

Home Interview with Child
Grade 2/Year 3
Fast Track Project Technical Report
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SAS Scoring Program

Citations

Instrument

Conduct Problems Prevention Research Group (CPPRG). (1991). *Home Interview with Child* [On-line]. Available: <http://www.fasttrackproject.org/>

Report

Rains, C. (2002). *Home Interview with Child* (Technical Report) [On-line]. Available: <http://www.fasttrackproject.org/>

Valente, E. (1994). *Home Interview with Child Technical Report*. Technical Report. Vanderbilt University, Nashville, TN.

Data Sources

Raw: C3B

Scored: HIC3

I. Scale Description

The Home Interview with Child (HIWC) has been administered as part of the summer child interview during the first four years of the Fast Track project. The interviewer shows the child a series of eight drawings that depict two types of social situations and reads a brief description of the situations. The pictures and descriptions concern two types of social situations: 1) **Ambiguous Minor Harm** situations where the respondent is asked to pretend he/she has been bumped or hit with a ball and 2) **Unsuccessful Peer Entry** situations ask the respondent to pretend he/she has approached a group, has attempted to join it, and is either explicitly told he/she cannot join the group, or is ignored by the children in the group.

After the interviewer reads each description, he/she asks the child two questions. The first question asks the respondent why he/she thinks the offenders bumped or ignored him/her, and the second question asks what the respondent would do in response to the offense. The eight first ("ask why") questions measure the respondent's interpretation of the offenders' intentions, while the second eight ("what would you do") questions measure the child's behavioral response contingent on the interpretation. Interviewers code responses to questions 1 and 2 into several categories which will be discussed in the scaling section of this report.

II. Report Sample

These exploratory analyses were conducted with the first cohort on the high-risk control sample (n=155) and on the normative sample (n=387, 463 with overlap) from the third year of administration of the study; the treatment subjects were not included in these analyses. 38 students were missing responses for the entire scale. 13 students from the control sample (4 from Durham, 2 from Nashville, 3 from Pennsylvania, and 4 from Washington) were missing responses. In addition, 31 students from the normative sample (6 from Durham, 10

from Nashville, 7 from Pennsylvania, and 8 from Washington) were missing responses. Several of the missing responses were from subjects in both the normative and control groups.

III. **Scaling**

The HIWC generates two open verbal responses about each of eight situations. In total, there are eight responses where the child interprets an offender's intentions and eight responses where the child describes how he would behave in response to the offense. The interviewer codes responses to the **interpretation** questions into one of three categories: hostile, nonhostile, and don't know. Responses to the eight **behavior** questions were coded into one of six categories: don't know, do nothing, ask why/ask again, make a command, threaten adult punishment or make a threat, or retaliate/be aggressive.

The total number of responses in each category is then calculated, yielding a separate count for each of the three interpretation categories and each of the six behavioral response categories. Each of the eight stories generates an interpretation response and a behavioral response, so the category counts have a possible range from one to eight. Eight **interpretation** responses are coded into three categories, and eight **behavioral** responses are coded into six categories.

The percentage of hostile interpretation responses to the eight stories is calculated by dividing the hostile category count by the total number of responses (the sum of all category counts). This score is called *Percent Hostile Attributions*.

The *Aggressive Behaviors Score* is calculated by adding the codes for the eight story behavioral responses. The score has a possible range of zero to forty, with larger scores indicating a tendency to give more aggressive behavioral responses. Note that, if a single response to any of the eight stories is missing, the Aggressive Behaviors Score is missing for the respondent.

The *Percent Aggressive and Threaten Behaviors* score is calculated by dividing the number of responses coded into either the aggressive or threaten categories by the total number of behavioral responses. Higher scores indicate that aggressive responses were given more frequently than other responses.

Inter-item reliability coefficients, or Cronbach's alphas, for the items that contribute to the *Percent Hostile Attributions*, *Aggressive Behaviors Score*, and *Percent Aggressive and Threaten Behaviors* scores are shown in the table below.

Scales	Cronbach's Alpha	
	Normative	Control
Percent Hostile Attributions (HIC3PHA)	.69	.74
Percent Aggressive and Threaten Behaviors (HIC3PRP)	.72	.59
Aggressive Behavior Score (HIC3RPS)	.71	.67

The reliability coefficient for *Percent Aggressive and Threaten Behaviors* for the control sample indicated a poor reliability of .59. The reliability coefficients for the other subscales indicated an acceptable reliability, ranging from .67 to .74.

IV. **Differences between Groups**

A series of t-tests did not indicate any significant differences between the control and normative samples at the .05 level for any of the three scales. The mean for the control sample for *Percent Aggressive and Threaten Behaviors* was greater than that for the normative sample. For the other scales, *Percent Hostile Attributions* and *Aggressive Behavior Score*, the normative sample had a greater mean than the control sample. For several of the individual items, the normative sample had a greater mean than the control sample: item 3 (why do you think Alan/Leah said no?), item 4 (what would you do (about Alan/Leah)?), item 7 (why do you think Carl/Carolyn said no?), item 8 (what would you do (about Carl/Carolyn)?), item 10 (what would you do (about the other kids not answering)?), item 11 (why do you think Brett/Wendy bumped you?), item 14 (what would you do (about the other kids not answering)?), and item 15 (why do you think he/she bumped you?). As noted elsewhere in this report, higher scores generally indicate a tendency for a child to use or rely upon aggression in dealing with conflicts.

The TTEST Procedure

Variable	Normative Sample		Control Sample		DF	t Value	Pr > t
	Mean	Std Dev	Mean	Std Dev			
HIC3PRP	0.25	0.24	0.28	0.20	423	1.41	.1605
HIC3PHA	0.67	0.24	0.63	0.27	423	-1.53	.1259
HIC3RPS	19.73	5.78	19.56	5.44	422	-0.29	.7746

V. Recommendations for Use

All three scales had a fairly normal distribution; the *Percent Hostile Attribution* subscale was negatively skewed, while the other two were positively skewed for both the control and normative samples. Most of the individual items were also normally distributed for both samples. Several items in the normative sample were slightly and positively skewed: item 8 (what would you do [about Carl/Carolyn]), item 10 (what would you do [about the other kids not answering]), and item 14 (what would you do [about the other kids not answering]). Three items in the normative sample were slightly and negatively skewed: item 3 (why do you think Alan/Leah said no), item 7 (why do you think Carl/Carolyn said no), and item 11 (why do you think Brett/Wendy bumped you).

In addition, several items in the control sample were also slightly and positively skewed: item 4 (what would you do [about Alan/Leah), item 8 (what would you do [about Carl/Carolyn]), item 10 (what would you do [about the other kids not answering]), and item 14 (what would you do [about the other kids not answering]). Two items in the control sample were slightly and negatively skewed: item 7 (why do you think Carl/Carolyn said no) and item 11 (why do you think Brett/Wendy bumped you).

VI. Item and Scale Means and SD's

HIWC Individual Items Control Sample Year 3
The MEANS Procedure

Variable	Label	N	Mean	Std Dev	Minimum	Maximum
C3BHI1	Why Do You Think Todd/Jessica Hit You	142	1.4295775	0.5509230	1.000	3.000
C3BHI2	What Would You Do?	142	3.0633803	1.2389356	0	5.000
C3BHI3	Why Do You Think Alan/Leah Said No	142	1.7394366	0.4864049	1.000	3.000
C3BHI4	What Would You Do?	142	1.9647887	1.1934334	1.000	5.000
C3BHI5	Why Do You Think John/Lisa Bumped You	142	1.6971831	0.4762358	1.000	3.000
C3BHI6	What Would You Do?	142	3.2394366	1.4138604	0	5.000
C3BHI7	Why Do You Think Carl/Carolyn Said No	142	1.8732394	0.3924673	1.000	3.000
C3BHI8	What Would You Do?	142	1.6408451	1.0741419	0	5.000
C3BHI9	Why Didn't Other Kids Answer	142	1.5704225	0.5378957	1.000	3.000
C3BHI10	What Would You Do?	142	1.6619718	1.0167904	1.000	5.000
C3BHI11	Why Do You Think Brett/Wendy Bumped You	142	1.8169014	0.4230876	1.000	3.000
C3BHI12	What Would You Do?	142	3.3098592	1.3898472	1.000	5.000
C3BHI13	Why Didn't Other Kids Answer	142	1.5633803	0.5387770	1.000	3.000
C3BHI14	What Would You Do?	142	1.6197183	0.9655954	1.000	5.000
C3BHI15	Why Do You Think He/She Bumped You	142	1.6549296	0.5197623	1.000	3.000
C3BHI16	What Would You Do?	142	3.0633803	1.4499439	0	5.000

HIWC Individual Items Normative Sample Year 3
The MEANS Procedure

Variable	Label	N	Mean	Std Dev	Minimum	Maximum
C3BHI1	Why Do You Think Todd/Jessica Hit You	356	1.4016854	0.5022737	1.000	3.000

C3BHI2	What Would You Do?	356	2.9859551	1.2901903	0	5.000
C3BHI3	Why Do You Think Alan/Leah Said No	356	1.7949438	0.4180131	1.000	3.000
C3BHI4	What Would You Do?	356	2.0140449	1.1783610	1.000	5.000
C3BHI5	Why Do You Think John/Lisa Bumped You	356	1.6966292	0.4783656	1.000	3.000
C3BHI6	What Would You Do?	356	3.1264045	1.3995088	0	5.000
C3BHI7	Why Do You Think Carl/Carolyn Said No	356	1.9185393	0.3032112	1.000	3.000
C3BHI8	What Would You Do?	355	1.8084507	1.1607696	0	5.000
C3BHI9	Why Didn't Other Kids Answer	356	1.5505618	0.5093212	1.000	3.000
C3BHI10	What Would You Do?	356	1.7415730	0.9818418	1.000	5.000
C3BHI11	Why Do You Think Brett/Wendy Bumped You	356	1.8483146	0.3745758	1.000	3.000
C3BHI12	What Would You Do?	356	3.2415730	1.3832242	0	5.000
C3BHI13	Why Didn't Other Kids Answer	356	1.5561798	0.5031630	1.000	3.000
C3BHI14	What Would You Do?	356	1.6966292	0.9775450	1.000	5.000
C3BHI15	Why Do You Think He/She Bumped You	356	1.6657303	0.4841776	1.000	3.000
C3BHI16	What Would You Do?	356	3.0308989	1.4228122	0	5.000

HIWC Individual Scales Control Sample Year 3
The MEANS Procedure

Variable	Label	N	Mean	Std Dev	Minimum	Maximum
HIC3PRP	Pct Ret and Pun actions HIWC Y3	142	0.2825704	0.2034060	0	1.000
HIC3PHA	Pct Hostile attribs HIWC Y3	142	0.6294014	0.2746742	0	1.000
HIC3RPS	Ret and Pun actions score HIWC Y3	142	19.5633803	5.4427579	8.000	39.000

HIWC Individual Scales Normative Sample Year 3
The MEANS Procedure

Variable	Label	N	Mean	Std Dev	Minimum	Maximum
HIC3PRP	Pct Ret and Pun actions HIWC Y3	356	0.2532103	0.2329106	0	1.000
HIC3PHA	Pct Hostile attribs HIWC Y3	356	0.6671348	0.2494316	0	1.000
HIC3RPS	Ret and Pun actions score HIWC Y3	355	19.6507042	5.7092173	8.000	39.000

VII. Item and Scale Correlations

HIWC Item Correlation Control Sample Year 3
Pearson Correlation Coefficients, N = 142
Prob > |r| under H0: Rho=0

	C3BHI1	C3BHI2	C3BHI3	C3BHI4
C3BHI1	1.00000	0.19881	-0.00280	-0.04155

Why Do You Think Todd/Jessica Hit You		0.0177	0.9737	0.6234
C3BHI2	0.19881	1.00000	-0.10186	-0.06563
What Would You Do?	0.0177		0.2277	0.4377
C3BHI3	-0.00280	-0.10186	1.00000	0.16735
Why Do You Think Alan/Leah Said No	0.9737	0.2277		0.0465
C3BHI4	-0.04155	-0.06563	0.16735	1.00000
What Would You Do?	0.6234	0.4377	0.0465	
C3BHI5	0.17494	0.12892	0.26930	0.09341
Why Do You Think John/Lisa Bumped You	0.0373	0.1262	0.0012	0.2688
C3BHI6	0.16748	0.21396	0.02949	0.13533
What Would You Do?	0.0463	0.0106	0.7276	0.1083
C3BHI7	0.18803	0.08957	0.23442	0.03583
Why Do You Think Carl/Carolyn Said No	0.0250	0.2891	0.0050	0.6721
C3BHI8	0.14272	0.11315	0.02323	0.41053
What Would You Do?	0.0902	0.1800	0.7838	<.0001
C3BHI9	0.14848	0.07307	0.24683	0.03151
Why Didn't Other Kids Answer	0.0778	0.3875	0.0031	0.7097
C3BHI10	0.02051	0.06217	-0.02161	0.16546
What Would You Do?	0.8086	0.4624	0.7985	0.0491
C3BHI11	0.15728	-0.01829	0.11116	-0.02690
Why Do You Think Brett/Wendy Bumped You	0.0616	0.8289	0.1879	0.7506
C3BHI12	0.03796	0.32625	0.06782	0.05793
What Would You Do?	0.6538	<.0001	0.4226	0.4934
C3BHI13	0.15851	0.14800	0.23937	-0.00202
Why Didn't Other Kids Answer	0.0596	0.0788	0.0041	0.9810
C3BHI14	0.04262	0.03808	0.02914	0.34525
What Would You Do?	0.6145	0.6528	0.7307	<.0001
C3BHI15	0.17459	0.04522	0.28705	0.07174
Why Do You Think He/She Bumped You	0.0377	0.5931	0.0005	0.3962
C3BHI16	-0.04320	0.15567	0.03364	0.19393
What Would You Do?	0.6097	0.0643	0.6911	0.0207

HIWC Item Correlation Control Sample Year 3
 Pearson Correlation Coefficients, N = 142
 Prob > |r| under H0: Rho=0

	C3BHI5	C3BHI6	C3BHI7	C3BHI8
C3BHI1	0.17494	0.16748	0.18803	0.14272
Why Do You Think Todd/Jessica Hit You	0.0373	0.0463	0.0250	0.0902
C3BHI2	0.12892	0.21396	0.08957	0.11315
What Would You Do?	0.1262	0.0106	0.2891	0.1800
C3BHI3	0.26930	0.02949	0.23442	0.02323
Why Do You Think Alan/Leah Said No	0.0012	0.7276	0.0050	0.7838
C3BHI4	0.09341	0.13533	0.03583	0.41053
What Would You Do?	0.2688	0.1083	0.6721	<.0001
C3BHI5	1.00000	0.34017	0.17262	0.03544
Why Do You Think John/Lisa Bumped You		<.0001	0.0399	0.6754
C3BHI6	0.34017	1.00000	0.05509	0.26250
What Would You Do?	<.0001		0.5150	0.0016
C3BHI7	0.17262	0.05509	1.00000	0.07630
Why Do You Think Carl/Carolyn Said No	0.0399	0.5150		0.3668
C3BHI8	0.03544	0.26250	0.07630	1.00000
What Would You Do?	0.6754	0.0016	0.3668	
C3BHI9	0.23611	0.04295	0.34494	-0.04798
Why Didn't Other Kids Answer	0.0047	0.6118	<.0001	0.5707
C3BHI10	0.08004	0.13563	-0.14368	0.36858
What Would You Do?	0.3437	0.1075	0.0880	<.0001
C3BHI11	0.35645	0.06195	0.07279	-0.05209
Why Do You Think Brett/Wendy Bumped You	<.0001	0.4639	0.3893	0.5381
C3BHI12	0.21777	0.31207	0.03351	0.15108
What Would You Do?	0.0092	0.0002	0.6922	0.0727
C3BHI13	0.19971	0.11959	0.10535	-0.07681
Why Didn't Other Kids Answer	0.0172	0.1563	0.2121	0.3636
C3BHI14	0.00999	0.04639	0.04033	0.53066
What Would You Do?	0.9061	0.5836	0.6337	<.0001
C3BHI15	0.29116	0.04567	0.16649	-0.00760
Why Do You Think He/She Bumped You	0.0004	0.5894	0.0477	0.9284
C3BHI16	0.17178	0.31775	0.00176	0.32437
What Would You Do?	0.0409	0.0001	0.9835	<.0001

HIWC Item Correlation Control Sample Year 3
 Pearson Correlation Coefficients, N = 142
 Prob > |r| under H0: Rho=0

	C3BHI9	C3BHI10	C3BHI11	C3BHI12
C3BHI1	0.14848	0.02051	0.15728	0.03796
Why Do You Think Todd/Jessica Hit You	0.0778	0.8086	0.0616	0.6538
C3BHI2	0.07307	0.06217	-0.01829	0.32625
What Would You Do?	0.3875	0.4624	0.8289	<.0001
C3BHI3	0.24683	-0.02161	0.11116	0.06782
Why Do You Think Alan/Leah Said No	0.0031	0.7985	0.1879	0.4226
C3BHI4	0.03151	0.16546	-0.02690	0.05793
What Would You Do?	0.7097	0.0491	0.7506	0.4934
C3BHI5	0.23611	0.08004	0.35645	0.21777
Why Do You Think John/Lisa Bumped You	0.0047	0.3437	<.0001	0.0092
C3BHI6	0.04295	0.13563	0.06195	0.31207
What Would You Do?	0.6118	0.1075	0.4639	0.0002
C3BHI7	0.34494	-0.14368	0.07279	0.03351
Why Do You Think Carl/Carolyn Said No	<.0001	0.0880	0.3893	0.6922
C3BHI8	-0.04798	0.36858	-0.05209	0.15108
What Would You Do?	0.5707	<.0001	0.5381	0.0727
C3BHI9	1.00000	-0.03397	0.15055	0.17931
Why Didn't Other Kids Answer		0.6882	0.0737	0.0327
C3BHI10	-0.03397	1.00000	-0.02949	0.23022
What Would You Do?	0.6882		0.7276	0.0058
C3BHI11	0.15055	-0.02949	1.00000	0.26602
Why Do You Think Brett/Wendy Bumped You	0.0737	0.7276		0.0014
C3BHI12	0.17931	0.23022	0.26602	1.00000
What Would You Do?	0.0327	0.0058	0.0014	
C3BHI13	0.35157	-0.01240	0.30017	0.22931
Why Didn't Other Kids Answer	<.0001	0.8836	0.0003	0.0060
C3BHI14	-0.04366	0.34490	0.03668	0.10956
What Would You Do?	0.6059	<.0001	0.6648	0.1943
C3BHI15	0.35389	-0.08808	0.29117	0.13925
Why Do You Think He/She Bumped You	<.0001	0.2973	0.0004	0.0984
C3BHI16	0.15337	0.18301	0.09998	0.32452
What Would You Do?	0.0684	0.0293	0.2365	<.0001

HIWC Item Correlation Control Sample Year 3
 Pearson Correlation Coefficients, N = 142
 Prob > |r| under H0: Rho=0

	C3BHI13	C3BHI14	C3BHI15	C3BHI16
C3BHI1	0.15851	0.04262	0.17459	-0.04320
Why Do You Think Todd/Jessica Hit You	0.0596	0.6145	0.0377	0.6097
C3BHI2	0.14800	0.03808	0.04522	0.15567
What Would You Do?	0.0788	0.6528	0.5931	0.0643
C3BHI3	0.23937	0.02914	0.28705	0.03364
Why Do You Think Alan/Leah Said No	0.0041	0.7307	0.0005	0.6911
C3BHI4	-0.00202	0.34525	0.07174	0.19393
What Would You Do?	0.9810	<.0001	0.3962	0.0207
C3BHI5	0.19971	0.00999	0.29116	0.17178
Why Do You Think John/Lisa Bumped You	0.0172	0.9061	0.0004	0.0409
C3BHI6	0.11959	0.04639	0.04567	0.31775
What Would You Do?	0.1563	0.5836	0.5894	0.0001
C3BHI7	0.10535	0.04033	0.16649	0.00176
Why Do You Think Carl/Carolyn Said No	0.2121	0.6337	0.0477	0.9835
C3BHI8	-0.07681	0.53066	-0.00760	0.32437
What Would You Do?	0.3636	<.0001	0.9284	<.0001
C3BHI9	0.35157	-0.04366	0.35389	0.15337
Why Didn't Other Kids Answer	<.0001	0.6059	<.0001	0.0684
C3BHI10	-0.01240	0.34490	-0.08808	0.18301
What Would You Do?	0.8836	<.0001	0.2973	0.0293
C3BHI11	0.30017	0.03668	0.29117	0.09998
Why Do You Think Brett/Wendy Bumped You	0.0003	0.6648	0.0004	0.2365
C3BHI12	0.22931	0.10956	0.13925	0.32452
What Would You Do?	0.0060	0.1943	0.0984	<.0001
C3BHI13	1.00000	-0.10330	0.42055	0.19001
Why Didn't Other Kids Answer		0.2212	<.0001	0.0235
C3BHI14	-0.10330	1.00000	-0.05135	0.16931
What Would You Do?	0.2212		0.5439	0.0440
C3BHI15	0.42055	-0.05135	1.00000	0.33978
Why Do You Think He/She Bumped You	<.0001	0.5439		<.0001
C3BHI16	0.19001	0.16931	0.33978	1.00000
What Would You Do?	0.0235	0.0440	<.0001	

HIWC Item Correlation Normative Sample Year 3
 Pearson Correlation Coefficients, N = 355
 Prob > |r| under H0: Rho=0

	C3BHI1	C3BHI2	C3BHI3	C3BHI4
C3BHI1 Why Do You Think Todd/Jessica Hit You	1.00000	0.35537 <.0001	0.15321 0.0038	0.00662 0.9011
C3BHI2 What Would You Do?	0.35537 <.0001	1.00000	0.14735 0.0054	0.10218 0.0544
C3BHI3 Why Do You Think Alan/Leah Said No	0.15321 0.0038	0.14735 0.0054	1.00000	0.13069 0.0137
C3BHI4 What Would You Do?	0.00662 0.9011	0.10218 0.0544	0.13069 0.0137	1.00000
C3BHI5 Why Do You Think John/Lisa Bumped You	0.22900 <.0001	0.18640 0.0004	0.19446 0.0002	0.02111 0.6919
C3BHI6 What Would You Do?	0.17598 0.0009	0.30838 <.0001	0.11201 0.0349	0.20602 <.0001
C3BHI7 Why Do You Think Carl/Carolyn Said No	0.14223 0.0073	0.15621 0.0032	0.26763 <.0001	0.03415 0.5213
C3BHI8 What Would You Do?	0.09391 0.0772	0.12486 0.0186	0.12223 0.0213	0.40826 <.0001
C3BHI9 Why Didn't Other Kids Answer	0.25874 <.0001	0.24566 <.0001	0.23981 <.0001	0.00378 0.9435
C3BHI10 What Would You Do?	0.04953 0.3521	0.04672 0.3802	-0.03925 0.4610	0.19031 0.0003
C3BHI11 Why Do You Think Brett/Wendy Bumped You	0.16117 0.0023	0.13065 0.0138	0.12413 0.0193	0.04223 0.4277
C3BHI12 What Would You Do?	0.11455 0.0309	0.27067 <.0001	0.09414 0.0765	0.17695 0.0008
C3BHI13 Why Didn't Other Kids Answer	0.19707 0.0002	0.19660 0.0002	0.18120 0.0006	0.04180 0.4323
C3BHI14 What Would You Do?	0.06954 0.1911	0.09573 0.0716	0.02758 0.6045	0.22342 <.0001
C3BHI15 Why Do You Think He/She Bumped You	0.15731 0.0030	0.13426 0.0113	0.13590 0.0104	0.03632 0.4951
C3BHI16 What Would You Do?	0.13755 0.0095	0.25436 <.0001	0.11248 0.0341	0.13300 0.0121

HIWC Item Correlation Normative Sample Year 3
 Pearson Correlation Coefficients, N = 355
 Prob > |r| under H0: Rho=0

	C3BHI5	C3BHI6	C3BHI7	C3BHI8
C3BHI1	0.22900	0.17598	0.14223	0.09391
Why Do You Think Todd/Jessica Hit You	<.0001	0.0009	0.0073	0.0772
C3BHI2	0.18640	0.30838	0.15621	0.12486
What Would You Do?	0.0004	<.0001	0.0032	0.0186
C3BHI3	0.19446	0.11201	0.26763	0.12223
Why Do You Think Alan/Leah Said No	0.0002	0.0349	<.0001	0.0213
C3BHI4	0.02111	0.20602	0.03415	0.40826
What Would You Do?	0.6919	<.0001	0.5213	<.0001
C3BHI5	1.00000	0.26814	0.17835	0.04734
Why Do You Think John/Lisa Bumped You		<.0001	0.0007	0.3739
C3BHI6	0.26814	1.00000	0.12399	0.28412
What Would You Do?	<.0001		0.0194	<.0001
C3BHI7	0.17835	0.12399	1.00000	0.09174
Why Do You Think Carl/Carolyn Said No	0.0007	0.0194		0.0843
C3BHI8	0.04734	0.28412	0.09174	1.00000
What Would You Do?	0.3739	<.0001	0.0843	
C3BHI9	0.28169	0.17915	0.27265	-0.03175
Why Didn't Other Kids Answer	<.0001	0.0007	<.0001	0.5509
C3BHI10	0.01991	0.13446	0.04324	0.28628
What Would You Do?	0.7085	0.0112	0.4166	<.0001
C3BHI11	0.19780	0.04754	0.08904	0.04968
Why Do You Think Brett/Wendy Bumped You	0.0002	0.3718	0.0939	0.3506
C3BHI12	0.15180	0.42639	0.11352	0.23260
What Would You Do?	0.0041	<.0001	0.0325	<.0001
C3BHI13	0.21022	0.14829	0.16809	-0.02062
Why Didn't Other Kids Answer	<.0001	0.0051	0.0015	0.6986
C3BHI14	0.04492	0.15776	0.01198	0.47393
What Would You Do?	0.3988	0.0029	0.8221	<.0001
C3BHI15	0.28187	0.13738	0.10314	0.01206
Why Do You Think He/She Bumped You	<.0001	0.0096	0.0522	0.8208
C3BHI16	0.21992	0.38356	0.10519	0.30746
What Would You Do?	<.0001	<.0001	0.0477	<.0001

HIWC Item Correlation Normative Sample Year 3
 Pearson Correlation Coefficients, N = 355
 Prob > |r| under H0: Rho=0

	C3BHI9	C3BHI10	C3BHI11	C3BHI12
C3BHI1	0.25874	0.04953	0.16117	0.11455
Why Do You Think Todd/Jessica Hit You	<.0001	0.3521	0.0023	0.0309
C3BHI2	0.24566	0.04672	0.13065	0.27067
What Would You Do?	<.0001	0.3802	0.0138	<.0001
C3BHI3	0.23981	-0.03925	0.12413	0.09414
Why Do You Think Alan/Leah Said No	<.0001	0.4610	0.0193	0.0765
C3BHI4	0.00378	0.19031	0.04223	0.17695
What Would You Do?	0.9435	0.0003	0.4277	0.0008
C3BHI5	0.28169	0.01991	0.19780	0.15180
Why Do You Think John/Lisa Bumped You	<.0001	0.7085	0.0002	0.0041
C3BHI6	0.17915	0.13446	0.04754	0.42639
What Would You Do?	0.0007	0.0112	0.3718	<.0001
C3BHI7	0.27265	0.04324	0.08904	0.11352
Why Do You Think Carl/Carolyn Said No	<.0001	0.4166	0.0939	0.0325
C3BHI8	-0.03175	0.28628	0.04968	0.23260
What Would You Do?	0.5509	<.0001	0.3506	<.0001
C3BHI9	1.00000	-0.15246	0.08371	0.16393
Why Didn't Other Kids Answer		0.0040	0.1154	0.0019
C3BHI10	-0.15246	1.00000	-0.06013	0.15923
What Would You Do?	0.0040		0.2585	0.0026
C3BHI11	0.08371	-0.06013	1.00000	0.23861
Why Do You Think Brett/Wendy Bumped You	0.1154	0.2585		<.0001
C3BHI12	0.16393	0.15923	0.23861	1.00000
What Would You Do?	0.0019	0.0026	<.0001	
C3BHI13	0.33917	-0.11712	0.19405	0.19244
Why Didn't Other Kids Answer	<.0001	0.0273	0.0002	0.0003
C3BHI14	-0.03529	0.34559	0.02868	0.19499
What Would You Do?	0.5075	<.0001	0.5902	0.0002
C3BHI15	0.28455	-0.02526	0.20329	0.11380
Why Do You Think He/She Bumped You	<.0001	0.6353	0.0001	0.0321
C3BHI16	0.16336	0.13627	0.14834	0.41424
What Would You Do?	0.0020	0.0102	0.0051	<.0001

HIWC Item Correlation Normative Sample Year 3
 Pearson Correlation Coefficients, N = 355
 Prob > |r| under H0: Rho=0

	C3BHI13	C3BHI14	C3BHI15	C3BHI16
C3BHI1	0.19707	0.06954	0.15731	0.13755
Why Do You Think Todd/Jessica Hit You	0.0002	0.1911	0.0030	0.0095
C3BHI2	0.19660	0.09573	0.13426	0.25436
What Would You Do?	0.0002	0.0716	0.0113	<.0001
C3BHI3	0.18120	0.02758	0.13590	0.11248
Why Do You Think Alan/Leah Said No	0.0006	0.6045	0.0104	0.0341
C3BHI4	0.04180	0.22342	0.03632	0.13300
What Would You Do?	0.4323	<.0001	0.4951	0.0121
C3BHI5	0.21022	0.04492	0.28187	0.21992
Why Do You Think John/Lisa Bumped You	<.0001	0.3988	<.0001	<.0001
C3BHI6	0.14829	0.15776	0.13738	0.38356
What Would You Do?	0.0051	0.0029	0.0096	<.0001
C3BHI7	0.16809	0.01198	0.10314	0.10519
Why Do You Think Carl/Carolyn Said No	0.0015	0.8221	0.0522	0.0477
C3BHI8	-0.02062	0.47393	0.01206	0.30746
What Would You Do?	0.6986	<.0001	0.8208	<.0001
C3BHI9	0.33917	-0.03529	0.28455	0.16336
Why Didn't Other Kids Answer	<.0001	0.5075	<.0001	0.0020
C3BHI10	-0.11712	0.34559	-0.02526	0.13627
What Would You Do?	0.0273	<.0001	0.6353	0.0102
C3BHI11	0.19405	0.02868	0.20329	0.14834
Why Do You Think Brett/Wendy Bumped You	0.0002	0.5902	0.0001	0.0051
C3BHI12	0.19244	0.19499	0.11380	0.41424
What Would You Do?	0.0003	0.0002	0.0321	<.0001
C3BHI13	1.00000	-0.10111	0.33057	0.21248
Why Didn't Other Kids Answer		0.0570	<.0001	<.0001
C3BHI14	-0.10111	1.00000	-0.05116	0.18480
What Would You Do?	0.0570		0.3365	0.0005
C3BHI15	0.33057	-0.05116	1.00000	0.31793
Why Do You Think He/She Bumped You	<.0001	0.3365		<.0001
C3BHI16	0.21248	0.18480	0.31793	1.00000
What Would You Do?	<.0001	0.0005	<.0001	

HIWC Scale HIC3PHA (Percent Hostile Attribution) Control Sample Year 3
 Pearson Correlation Coefficients, N = 142
 Prob > |r| under H0: Rho=0

	C3BHI1x	C3BHI3x	C3BHI5x	C3BHI7x	C3BHI9x	C3BHI11x	C3BHI13x	C3BHI15x
C3BHI1x	1.00000	0.00156 0.9853	0.21267 0.0111	0.19262 0.0216	0.14604 0.0829	0.11404 0.1766	0.15682 0.0624	0.19512 0.0200
C3BHI3x	0.00156 0.9853	1.00000	0.27583 0.0009	0.39802 <.0001	0.32886 <.0001	0.18456 0.0279	0.25798 0.0019	0.26256 0.0016
C3BHI5x	0.21267 0.0111	0.27583 0.0009	1.00000	0.25825 0.0019	0.29615 0.0003	0.38907 <.0001	0.25605 0.0021	0.42165 <.0001
C3BHI7x	0.19262 0.0216	0.39802 <.0001	0.25825 0.0019	1.00000	0.32658 <.0001	0.18089 0.0312	0.20715 0.0134	0.22004 0.0085
C3BHI9x	0.14604 0.0829	0.32886 <.0001	0.29615 0.0003	0.32658 <.0001	1.00000	0.20199 0.0159	0.36472 <.0001	0.43581 <.0001
C3BHI11x	0.11404 0.1766	0.18456 0.0279	0.38907 <.0001	0.18089 0.0312	0.20199 0.0159	1.00000	0.22909 0.0061	0.36761 <.0001
C3BHI13x	0.15682 0.0624	0.25798 0.0019	0.25605 0.0021	0.20715 0.0134	0.36472 <.0001	0.22909 0.0061	1.00000	0.39536 <.0001
C3BHI15x	0.19512 0.0200	0.26256 0.0016	0.42165 <.0001	0.22004 0.0085	0.43581 <.0001	0.36761 <.0001	0.39536 <.0001	1.00000

HIWC Scale HIC3PHA (Percent Hostile Attribution) Normative Sample Year 3
 Pearson Correlation Coefficients, N = 356
 Prob > |r| under H0: Rho=0

	C3BHI1x	C3BHI3x	C3BHI5x	C3BHI7x	C3BHI9x	C3BHI11x	C3BHI13x	C3BHI15x
C3BHI1x	1.00000	0.16872 0.0014	0.25313 <.0001	0.14824 0.0051	0.24297 <.0001	0.15040 0.0045	0.21381 <.0001	0.16982 0.0013
C3BHI3x	0.16872 0.0014	1.00000	0.19511 0.0002	0.28483 <.0001	0.26729 <.0001	0.13773 0.0093	0.21113 <.0001	0.10611 0.0454
C3BHI5x	0.25313 <.0001	0.19511 0.0002	1.00000	0.25867 <.0001	0.31988 <.0001	0.23520 <.0001	0.25131 <.0001	0.27363 <.0001
C3BHI7x	0.14824 0.0051	0.28483 <.0001	0.25867 <.0001	1.00000	0.22479 <.0001	0.16089 0.0023	0.19477 0.0002	0.13704 0.0096
C3BHI9x	0.24297 <.0001	0.26729 <.0001	0.31988 <.0001	0.22479 <.0001	1.00000	0.08059 0.1291	0.36584 <.0001	0.30026 <.0001
C3BHI11x	0.15040 0.0045	0.13773 0.0093	0.23520 <.0001	0.16089 0.0023	0.08059 0.1291	1.00000	0.19775 0.0002	0.20731 <.0001
C3BHI13x	0.21381 <.0001	0.21113 <.0001	0.25131 <.0001	0.19477 0.0002	0.36584 <.0001	0.19775 0.0002	1.00000	0.32916 <.0001
C3BHI15x	0.16982 0.0013	0.10611 0.0454	0.27363 <.0001	0.13704 0.0096	0.30026 <.0001	0.20731 <.0001	0.32916 <.0001	1.00000

HIWC Scale HIC3PRP (Percent Aggressive and Threaten Behaviors) Control Sample Year 3
 Pearson Correlation Coefficients, N = 142
 Prob > |r| under H0: Rho=0

	C3BHI2x	C3BHI4x	C3BHI6x	C3BHI8x	C3BHI10x	C3BHI12x	C3BHI14x	C3BHI16x
C3BHI2x	1.00000	-0.03998 0.6367	0.22494 0.0071	0.07497 0.3752	0.04363 0.6062	0.20631 0.0138	0.13615 0.1062	0.10539 0.2120
C3BHI4x	-0.03998 0.6367	1.00000	0.10898 0.1967	0.26282 0.0016	0.15246 0.0701	-0.02937 0.7286	0.44225 <.0001	0.12445 0.1400
C3BHI6x	0.22494 0.0071	0.10898 0.1967	1.00000	0.12562 0.1363	0.20601 0.0139	0.30001 0.0003	0.06453 0.4455	0.32573 <.0001
C3BHI8x	0.07497 0.3752	0.26282 0.0016	0.12562 0.1363	1.00000	0.31251 0.0002	0.03036 0.7199	0.33769 <.0001	0.22381 0.0074
C3BHI10x	0.04363 0.6062	0.15246 0.0701	0.20601 0.0139	0.31251 0.0002	1.00000	0.11245 0.1827	0.31251 0.0002	0.12857 0.1273
C3BHI12x	0.20631 0.0138	-0.02937 0.7286	0.30001 0.0003	0.03036 0.7199	0.11245 0.1827	1.00000	0.09194 0.2765	0.29312 0.0004
C3BHI14x	0.13615 0.1062	0.44225 <.0001	0.06453 0.4455	0.33769 <.0001	0.31251 0.0002	0.09194 0.2765	1.00000	0.22381 0.0074
C3BHI16x	0.10539 0.2120	0.12445 0.1400	0.32573 <.0001	0.22381 0.0074	0.12857 0.1273	0.29312 0.0004	0.22381 0.0074	1.00000

HIWC Scale HIC3PRP (Percent Aggressive and Threaten Behaviors) Normative Sample Year 3
 Pearson Correlation Coefficients, N = 355
 Prob > |r| under H0: Rho=0

	C3BHI2x	C3BHI4x	C3BHI6x	C3BHI8x	C3BHI10x	C3BHI12x	C3BHI14x	C3BHI16x
C3BHI2x	1.00000	0.18023 0.0006	0.34717 <.0001	0.22268 <.0001	0.15441 0.0035	0.28859 <.0001	0.21255 <.0001	0.27687 <.0001
C3BHI4x	0.18023 0.0006	1.00000	0.20203 0.0001	0.37906 <.0001	0.21912 <.0001	0.14240 0.0072	0.27879 <.0001	0.13914 0.0087
C3BHI6x	0.34717 <.0001	0.20203 0.0001	1.00000	0.22651 <.0001	0.23057 <.0001	0.40391 <.0001	0.21596 <.0001	0.42826 <.0001
C3BHI8x	0.22268 <.0001	0.37906 <.0001	0.22651 <.0001	1.00000	0.28102 <.0001	0.25164 <.0001	0.44493 <.0001	0.26591 <.0001
C3BHI10x	0.15441 0.0035	0.21912 <.0001	0.23057 <.0001	0.28102 <.0001	1.00000	0.17981 0.0007	0.43079 <.0001	0.14792 0.0052
C3BHI12x	0.28859 <.0001	0.14240 0.0072	0.40391 <.0001	0.25164 <.0001	0.17981 0.0007	1.00000	0.21102 <.0001	0.42580 <.0001
C3BHI14x	0.21255 <.0001	0.27879 <.0001	0.21596 <.0001	0.44493 <.0001	0.43079 <.0001	0.21102 <.0001	1.00000	0.25592 <.0001
C3BHI16x	0.27687 <.0001	0.13914 0.0087	0.42826 <.0001	0.26591 <.0001	0.14792 0.0052	0.42580 <.0001	0.25592 <.0001	1.00000

HIWC Scale HIC3RPS (Aggressive Behaviors Score) Control Sample Year 3
 Pearson Correlation Coefficients, N = 142
 Prob > |r| under H0: Rho=0

	C3BHI2	C3BHI4	C3BHI6	C3BHI8	C3BHI10	C3BHI12	C3BHI14	C3BHI16
C3BHI2	1.00000	-0.06563 0.4377	0.21396 0.0106	0.11315 0.1800	0.06217 0.4624	0.32625 <.0001	0.03808 0.6528	0.15567 0.0643
C3BHI4	-0.0656 0.4377	1.00000	0.13533 0.1083	0.41053 <.0001	0.16546 0.0491	0.05793 0.4934	0.34525 <.0001	0.19393 0.0207
C3BHI6	0.21396 0.0106	0.13533 0.1083	1.00000	0.26250 0.0016	0.13563 0.1075	0.31207 0.0002	0.04639 0.5836	0.31775 0.0001
C3BHI8	0.11315 0.1800	0.41053 <.0001	0.26250 0.0016	1.00000	0.36858 <.0001	0.15108 0.0727	0.53066 <.0001	0.32437 <.0001
C3BHI10	0.06217 0.4624	0.16546 0.0491	0.13563 0.1075	0.36858 <.0001	1.00000	0.23022 0.0058	0.34490 <.0001	0.18301 0.0293
C3BHI12	0.32625 <.0001	0.05793 0.4934	0.31207 0.0002	0.15108 0.0727	0.23022 0.0058	1.00000	0.10956 0.1943	0.32452 <.0001
C3BHI14	0.03808 0.6528	0.34525 <.0001	0.04639 0.5836	0.53066 <.0001	0.34490 <.0001	0.10956 0.1943	1.00000	0.16931 0.0440
C3BHI16	0.15567 0.0643	0.19393 0.0207	0.31775 0.0001	0.32437 <.0001	0.18301 0.0293	0.32452 <.0001	0.16931 0.0440	1.00000

HIWC Scale HIC3RPS (Aggressive Behaviors Score) Normative Sample Year 3
 Pearson Correlation Coefficients, N = 355
 Prob > |r| under H0: Rho=0

	C3BHI2	C3BHI4	C3BHI6	C3BHI8	C3BHI10	C3BHI12	C3BHI14	C3BHI16
C3BHI2	1.00000	0.10218 0.0544	0.30838 <.0001	0.12486 0.0186	0.04672 0.3802	0.27067 <.0001	0.09573 0.0716	0.25436 <.0001
C3BHI4	0.10218 0.0544	1.00000	0.20602 <.0001	0.40826 <.0001	0.19031 0.0003	0.17695 0.0008	0.22342 <.0001	0.13300 0.0121
C3BHI6	0.30838 <.0001	0.20602 <.0001	1.00000	0.28412 <.0001	0.13446 0.0112	0.42639 <.0001	0.15776 0.0029	0.38356 <.0001
C3BHI8	0.12486 0.0186	0.40826 <.0001	0.28412 <.0001	1.00000	0.28628 <.0001	0.23260 <.0001	0.47393 <.0001	0.30746 <.0001
C3BHI10	0.04672 0.3802	0.19031 0.0003	0.13446 0.0112	0.28628 <.0001	1.00000	0.15923 0.0026	0.34559 <.0001	0.13627 0.0102
C3BHI12	0.27067 <.0001	0.17695 0.0008	0.42639 <.0001	0.23260 <.0001	0.15923 0.0026	1.00000	0.19499 0.0002	0.41424 <.0001
C3BHI14	0.09573 0.0716	0.22342 <.0001	0.15776 0.0029	0.47393 <.0001	0.34559 <.0001	0.19499 0.0002	1.00000	0.18480 0.0005
C3BHI16	0.25436 <.0001	0.13300 0.0121	0.38356 <.0001	0.30746 <.0001	0.13627 0.0102	0.41424 <.0001	0.18480 0.0005	1.00000

Appendix – SAS Scoring Program
[\(See Instrument Summary\)](#)