Supervision Questionnaire - Child
Grade 10/Year 11
Fast Track Project Technical Report
Sharon Kersteter
March 2004

Table of Contents

Citation
Instrument
    Loeber, R. Farrington, D.R., Stouthamer-Loeber, M., and Van Kammen, W.B. (1998). *Antisocial behavior and mental health problems: Explanatory factors in childhood and adolescence.* Mahwah, NJ: Lawrence Erlbaum.

    Conduct Problems Prevention Research Group (CPPRG). (1995). *Supervision Questionnaire – Child (Grade 4+).*

    Kersteter, S. (2004). Supervision Questionnaire - Child (Fast Track Project Technical Report) [On-line]. Available: http://www.fasttrackproject.org/

Data Sources
Raw: C11O

Scored: SCH11

I.   Scale Description

The Supervision Questionnaire – Child (Grade 4+) is an 18-item measure developed for this project to assess facets of parenting supervision and involvement. The questionnaire is based on the Supervision/Involvement Scale of the Pittsburgh Youth Study (Loeber, Farrington, Stouthamer-Loeber, and Van Kammen, 1998), which is related to family factors associated with delinquency (Loeber and Stouthamer-Loeber, 1986) and is based on the Moos' Family Environment Scale (Moos and Moos, 1975) and the Skinner, Steinhauer, and Santa Barbara's (1983) Family Assessment Measure. The questions in this measure generally assess the child's perception of the primary caregiver's knowledge of his/her whereabouts, the amount of discussion and planning regarding communication of his/her whereabouts, the amount of time that the child is unsupervised, and the caregiver's knowledge of the youth's friends. The majority of the questions (12 questions) require the child to respond on a 1 to 5 scale, with 1 meaning almost never and 5 meaning almost always. Two questions ask for curfew times. Three questions about the child's whereabouts require the child to select among six options, with 1 representing home (supervised) and 6 representing other, and one question asks for the number of the child's friends that the caregiver knows.

II.   Report Sample

These analyses were conducted with the first cohort on the control sample (n=155) and on the normative sample (n=387, N = 463 with overlap) during the eleventh year of the study. Overall, 122 records were missing the whole measure. Forty seven were missing from the control sample (10 from Durham, 12

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from Nashville, 14 from Pennsylvania, and 11 from Washington) and 105 were missing from the normative sample (20 from Durham, 28 from Nashville, 31 from Pennsylvania, and 26 from Washington).

III. Scaling

Subscales

Twelve items in this measure (items 1, 2, 3, 4, 6, 8, 9, 10, 11, 12, 13, and 17) were used in the subscaling for this measure. The remaining six items were not used in the subscaling either because the response required the specific indication of the curfew time for school or weekend nights (items 5 and 7, respectively) or because the responses were coded as categorical (items 14, 15, 16, and 18). All items in these scales are coded on a five-point scale, where 1 represents "Almost Never" and 5 represents "Almost Always."

Three scales were created for these data. The Discussing Daily Activities scale measures the caregiver's interaction with child about the child's daily activities. It consists of items 1, 2, and 3. The Curfew Time scale measures the school and weekend curfews set by the child's caregiver and consists of items 4 and 6. The third scale, the Supervision/Involvement scales measures the caregiver's awareness of and involvement in the child's whereabouts.   It consists of seven items: items 8, 9, 10, 11, 12, 13, and 17. The scales were constructed by taking the mean responses to the items in each scale.

Cronbach's Alpha for Scales		
Variable	Normative	High Risk Control
Y11 SCH Discussing Daily Activities Scale (SCH11day)	0.90	0.88
Y11 SCH Curfew Time Scale (SCH11cfw)	0.93	0.94
Y11 SCH Supervision/Involvement Scale (SCH11sup)	0.77	0.73

IV. Differences Between Groups

T-tests were used to examine group differences for the total sample (i.e., high-risk control versus normative youth). Analysis of the full sample revealed no significant differences between normative youth and their high-risk control counterparts across scales.

Comparison of Scale Means for Normative and Control							
	Normative		Control				
Variable	Mean	Std Dev	Mean	Std Dev	DF	t Value	Pr > |t|
Y11 SCH Discussing Daily Activities Scale (SCH11day)	3.57	0.87	3.44	0.94	339	-1.22	0.2243
Y11 SCH Curfew Time Scale (SCH11cfw)	3.51	1.35	3.48	1.36	335	-0.16	0.8740
Y11 SCH Supervision/Involvement Scale (SCH11sup)	4.03	0.63	3.90	0.61	339	-1.79	0.0750

A t-test was also used to examine group differences for item 18 (How many of your friends does your [caregiver] know?). Analysis revealed no significant differences between the normative youth and their high-risk control counterparts for this item.

Comparison of Variable Means for Normative and Control							
	Normative		Control				
Variable	Mean	Std Dev	Mean	Std Dev	DF	t Value	Pr > |t|
C11O18 – How many of your friends does your [caregiver] know?	2.64	0.94	2.60	1.00	339	-0.37	0.7082

Chi square tests were performed on item 14 (Where do you usually go right after school?), item 15 (Where do you usually stay in the evening?), and item 16 (Where do you usually stay on the weekends?). There were six possible responses: 1 = home - supervised, 2 = home – unsupervised, 3 = somewhere else – supervised, 4 = somewhere else – unsupervised, 5 = somewhere else – don't know if supervised, and 6 = other.

The frequency distribution of item 14 (C11O14) among the control and normative samples was:

Table of C11O14 by group			
C11O14 (Where do you usually go right after school?)	**Group**		**Total**
Frequency **Percent** **Row Percent** **Column Percent**	**Control**	**Normative**	
1 **(home, supervised**	38 11.14 27.54 35.19	100 29.33 72.46 42.92	138 40.47
2 **(home, unsupervised)**	36 10.56 35.64 33.33	65 19.06 64.36 27.90	101 29.62
3 **(somewhere else – supervised)**	26 7.62 32.10 24.07	55 16.13 67.90 23.61	81 23.75
4 **(somewhere else – unsupervised)**	6 1.76 37.50 5.56	10 2.93 62.50 4.29	16 4.69
5 **(somewhere else – don't know if supervised)**	0 0.00 0.00 0.00	2 0.59 100.00 0.86	2 0.59
6 **(other)**	2 0.59 66.67 1.85	1 0.29 33.33 0.43	3 0.88
Total	108 31.67	233 68.33	341 100.00
Frequency Missing = 122			

With χ^2 (5, N = 341) = 4.7096, p < 0.4523, the hypothesis of independence between risk category (normative or control) and item 14 was not rejected for these data.

The frequency distribution of item 15 (C11O15) among the control and normative samples was:

Table of C11O15 by group			
C11O15 (Where do you usually stay in the evening?)	**Group**		**Total**
Frequency **Percent** **Row Percent** **Column Percent**	**Control**	**Normative**	
1 (home, supervised	80 23.46 30.65 74.07	181 53.08 69.35 77.68	261 76.54
2 (home, unsupervised)	8 2.35 47.06 7.41	9 2.64 52.94 3.86	17 4.99
3 (somewhere else – supervised)	15 4.40 34.88 13.89	28 8.21 65.12 12.02	43 12.61
4 (somewhere else – unsupervised)	3 0.88 20.00 2.78	12 3.52 80.00 5.15	15 4.40
5 (somewhere else – don't know if supervised)	1 0.29 33.33 0.93	2 0.59 66.67 0.86	3 0.88
6 (other)	1 0.29 50.00 0.93	1 0.29 50.00 0.43	2 0.59
Total	108 31.67	233 68.33	341 100.00
Frequency Missing = 122			

With χ^2 (5, N = 341) = 3.4490, p < 0.6311, the hypothesis of independence between risk category (normative or control) and item 15 was not rejected for these data.

The frequency distribution of item 16 (C11O16) among the control and normative samples was:

Table of C11O16 by group			
C11O16 (Where do you usually stay on weekends?)	**Group**		**Total**
Frequency **Percent** **Row Percent** **Column Percent**	**Control**	**Normative**	
1 **(home, supervised**	69 20.23 34.67 63.89	130 38.12 65.33 55.79	199 58.36
2 **(home, unsupervised)**	3 0.88 42.86 2.78	4 1.17 57.14 1.72	7 2.05
3 **(somewhere else – supervised)**	31 9.09 27.19 28.70	83 24.34 72.81 35.62	114 33.43
4 **(somewhere else – unsupervised)**	5 1.47 27.78 4.63	13 3.81 72.22 5.58	18 5.28
5 **(somewhere else – don't know if supervised)**	0 0.00 0.00 0.00	2 0.59 100.00 0.86	2 0.59
6 **(other)**	0 0.00 0.00 0.00	1 0.29 100.00 0.43	1 0.29
Total	108 31.67	233 68.33	341 100.00
Frequency Missing = 122			

With χ^2 (5, N = 341) = 3.8066, p < 0.5776, the hypothesis of independence between risk category (normative or control) and item 16 was not rejected for these data.

V. Recommendations for Use

Analysts should be aware that the instructions given to the children for answering items 5 and 7 (the curfew time for school nights and weekend nights, respectively) were to enter the time as four digits. They then were asked to enter an "a" for A.M. or a "p" for P.M. Their responses were recorded in the data set as variables C11O5a (the school night time), C11O5b (A.M. or P.M.), C11O7a (the weekend night time), and C11O7b (A.M. or P.M.). To analyze these times for this report, two new variables were created: schnight (representing school night curfew) and wkdnight (representing weekend night curfew). These variables were created by converting the times entered by the respondents to military time.

Analysts should also be aware that the children appeared to have difficulty determining A.M. and P.M. for the weekend night curfew, as almost 16 percent of the respondents listed 12:00 P.M. (i.e., noon) as their weekend night curfew. In fact, almost 25 percent of respondents listed weekend night curfew times between noon and six P.M. Use of even the created variables schnight and wkdnight may lead to erroneous conclusions.

In addition, analysts should note that all three scales for this measure, the Discussing Daily Activities Scale (SCH11day), the Curfew Time Scale (SCH11cfw), and the Supervision/Involvement Scale (SCH11sup), were normally distributed for both the normative and high-risk control samples.

Finally, analysts should note that analyses of these data show the failure of any of the items or scales to distinguish between the normative group and the high-risk control group.

V1. __Item and Scale Means and SD's__

<table>
<tr><td colspan="7" align="center">Descriptive Statistics for High Risk Control Sample</td></tr>
<tr><td>Variable</td><td>Label</td><td>N</td><td>Mean</td><td>Std Dev</td><td>Minimum</td><td>Maximum</td></tr>
<tr><td>C11O1</td><td>In the past six months, how often did your [caregiver] talk to you about what you were going to do for the coming day?</td><td>108</td><td>3.20</td><td>1.19</td><td>1.00</td><td>5.00</td></tr>
<tr><td>C11O2</td><td>In the past six months, how often did your [caregiver] talk to you about what you had actually done during the day?</td><td>108</td><td>3.40</td><td>1.14</td><td>1.00</td><td>5.00</td></tr>
<tr><td>C11O3</td><td>How often did your [caregiver] talk to you about how things were going at school?</td><td>107</td><td>3.73</td><td>1.08</td><td>1.00</td><td>5.00</td></tr>
<tr><td>C11O4</td><td>Do you have a set time to be home on school nights?</td><td>107</td><td>3.81</td><td>1.37</td><td>1.00</td><td>5.00</td></tr>
<tr><td>C11O6</td><td>Do you have a set time to be home on weekend nights?</td><td>107</td><td>3.15</td><td>1.61</td><td>1.00</td><td>5.00</td></tr>
<tr><td>C11O8</td><td>If you did not come home by the time that you were supposed to be in, would your [caregiver] know?</td><td>96</td><td>4.06</td><td>1.07</td><td>1.00</td><td>5.00</td></tr>
<tr><td>C11O9</td><td>If your [caregiver] is not at home, are you allowed to leave the house?</td><td>108</td><td>3.75</td><td>1.24</td><td>1.00</td><td>5.00</td></tr>
<tr><td>C11O10</td><td>Do you leave a note for him/her or call him/her about where you are going?</td><td>101</td><td>3.75</td><td>1.18</td><td>1.00</td><td>5.00</td></tr>
<tr><td>C11O11</td><td>Does your [caregiver] know who you are with when you are away from home?</td><td>108</td><td>4.03</td><td>1.05</td><td>1.00</td><td>5.00</td></tr>
<tr><td>C11O12</td><td>When you are out, does your [caregiver] know what time you will be home?</td><td>108</td><td>3.79</td><td>1.10</td><td>1.00</td><td>5.00</td></tr>
<tr><td>C11O13</td><td>When your [caregiver] is not home, do you know how to get in touch with him/her?</td><td>108</td><td>4.08</td><td>1.09</td><td>1.00</td><td>5.00</td></tr>
<tr><td>C11O14</td><td>Where do you usually go right after school?</td><td>108</td><td>2.07</td><td>1.06</td><td>1.00</td><td>6.00</td></tr>
<tr><td>C11O15</td><td>Where do you usually stay in the evening?</td><td>108</td><td>1.52</td><td>1.00</td><td>1.00</td><td>6.00</td></tr>
<tr><td>C11O16</td><td>Where do you usually stay on the weekends?</td><td>108</td><td>1.74</td><td>1.03</td><td>1.00</td><td>4.00</td></tr>
<tr><td>C11O17</td><td>When you and your [caregiver] are both at home, does she/he know what you are doing?</td><td>108</td><td>3.89</td><td>0.98</td><td>1.00</td><td>5.00</td></tr>
<tr><td>C11O18</td><td>How many of your friends does your [caregiver] know?</td><td>108</td><td>2.60</td><td>1.00</td><td>1.00</td><td>4.00</td></tr>
<tr><td>SCH11day</td><td>Y11 SCH Discussing Daily Activities Scale</td><td>108</td><td>3.44</td><td>0.94</td><td>1.00</td><td>5.00</td></tr>
<tr><td>SCH11cfw</td><td>Y11 SCH Curfew Times Scale</td><td>107</td><td>3.48</td><td>1.36</td><td>1.00</td><td>5.00</td></tr>
<tr><td>SCH11sup</td><td>Y11 SCH Supervision/Involvement Scale</td><td>108</td><td>3.90</td><td>0.61</td><td>2.29</td><td>5.00</td></tr>
</table>

	Descriptive Statistics for Normative Sample					
Variable	**Label**	**N**	**Mean**	**Std Dev**	**Minimum**	**Maximum**
C11O1	In the past six months, how often did your [caregiver] talk to you about what you were going to do for the coming day?	282	3.43	1.06	1.00	5.00
C11O2	In the past six months, how often did your [caregiver] talk to you about what you had actually done during the day?	282	3.54	1.06	1.00	5.00
C11O3	How often did your [caregiver] talk to you about how things were going at school?	281	3.77	0.96	1.00	5.00
C11O4	Do you have a set time to be home on school nights?	277	3.88	1.32	1.00	5.00
C11O6	Do you have a set time to be home on weekend nights?	276	3.18	1.62	1.00	5.00
C11O8	If you did not come home by the time that you were supposed to be in, would your [caregiver] know?	257	4.28	1.04	1.00	5.00
C11O9	If your [caregiver] is not at home, are you allowed to leave the house?	281	3.64	1.21	1.00	5.00
C11O10	Do you leave a note for him/her or call him/her about where you are going?	256	4.01	1.18	1.00	5.00
C11O11	Does your [caregiver] know who you are with when you are away from home?	282	4.10	1.07	1.00	5.00
C11O12	When you are out, does your [caregiver] know what time you will be home?	282	3.91	1.13	1.00	5.00
C11O13	When your [caregiver] is not home, do you know how to get in touch with him/her?	282	4.17	0.98	1.00	5.00
C11O14	Where do you usually go right after school?	282	1.93	1.01	1.00	6.00
C11O15	Where do you usually stay in the evening?	282	1.47	0.97	1.00	6.00
C11O16	Where do you usually stay on the weekends?	282	1.91	1.12	1.00	6.00
C11O17	When you and your [caregiver] are both at home, does she/he know what you are doing?	282	4.00	0.91	1.00	5.00
C11O18	How many of your friends does your [caregiver] know?	282	2.63	0.95	0.00	4.00
SCH11day	Y11 SCH Discussing Daily Activities Scale	282	3.58	0.87	1.00	5.00
SCH11cfw	Y11 SCH Curfew Times Scale	278	3.53	1.35	1.00	5.00
SCH11sup	Y11 SCH Supervision/Involvement Scale	282	4.01	0.63	1.57	5.00

VII. Scale Correlations

Correlation for Full Sample

Pearson Correlation Coefficients Prob > |r| under H0: Rho=0 Number of Observations								
	C11O1	**C11O2**	**C11O3**	**C11O4**	**C11O6**	**C11O8**	**C11O9**	**C11O10**
C11O1 – In the past six months, how often did your [caregiver] talk to you about what you were going to do the coming day?	1.000 341	0.575 0.000 341	0.527 0.000 340	0.180 0.001 336	0.165 0.003 335	0.260 0.000 308	-0.015 0.781 340	0.252 0.000 311
C11O2 – In the past six months, how often did your [caregiver] talk to your about what you had actually done during the day?	0.575 0.000 341	1.000 341	0.521 0.000 340	0.186 0.001 336	0.146 0.008 335	0.201 0.000 308	-0.062 0.252 340	0.346 0.000 311
C11O3 – How often did your [caregiver] talk to you about how things were going at school?	0.527 0.000 340	0.521 0.000 340	1.000 340	0.244 0.000 336	0.189 0.001 335	0.203 0.000 308	-0.090 0.099 339	0.234 0.000 310
C11O4 – Do you have a set time to be home on school nights?	0.180 0.001 336	0.186 0.001 336	0.244 0.000 336	1.000 336	0.677 0.000 334	0.334 0.000 307	-0.175 0.001 336	0.358 0.000 308
C11O6 – Do you have a set time to be home on weekend nights?	0.165 0.003 335	0.146 0.008 335	0.189 0.001 335	0.677 0.000 334	1.000 335	0.310 0.000 305	-0.201 0.000 335	0.229 0.000 307
C11O8 – If you did not come home by the time that you were supposed to be in, would your [caregiver] know?	0.260 0.000 308	0.201 0.000 308	0.203 0.000 308	0.334 0.000 307	0.310 0.000 305	1.000 308	-0.171 0.003 308	0.254 0.000 282
C11O9 – If your [caregiver] is not at home, are you allowed to leave the house?	-0.015 0.781 340	-0.062 0.252 340	-0.090 0.099 339	-0.175 0.001 336	-0.201 0.000 335	-0.171 0.003 308	1.000 340	-0.108 0.056 311
C11O10 – Do you leave a note for him/her or call him/her about where you are going?	0.252 0.000 311	0.346 0.000 311	0.234 0.000 310	0.358 0.000 308	0.229 0.000 307	0.254 0.000 282	-0.108 0.056 311	1.00000 311
C11O11 – Does your [caregiver] know who you are with when you are away from home?	0.307 0.000 341	0.292 0.000 341	0.334 0.000 340	0.217 0.000 336	0.164 0.003 335	0.348 0.000 308	-0.192 0.000 340	0.486 0.000 311
C11O12 – When you are out, does your [caregiver] know what time you will be home?	0.347 0.000 341	0.354 0.000 341	0.335 0.000 340	0.475 0.000 336	0.403 0.000 335	0.436 0.000 308	-0.225 0.000 340	0.527 0.000 311
C11O13 – When your [caregiver] is not home, do you know how to get in touch with him/her?	0.276 0.000 341	0.247 0.000 341	0.261 0.000 340	0.062 0.258 336	0.101 0.064 335	0.281 0.000 308	-0.048 0.378 340	0.314 0.000 311
C11O17 – When you and your [caregiver] are both at home, does she/he know what you are doing?	0.257 0.000 341	0.285 0.000 341	0.309 0.000 340	0.183 0.001 336	0.156 0.004 335	0.350 0.000 308	-0.076 0.164 340	0.266 0.000 311
C11O18 – How many of your friends does your [caregiver] know?	0.200 0.000 341	0.282 0.000 341	0.238 0.000 340	0.099 0.070 336	0.098 0.073 335	0.183 0.001 308	0.003 0.952 340	0.252 0.000 311

Pearson Correlation Coefficients Prob > |r| under H0: Rho=0 Number of Observations					
	C11O11	**C11O12**	**C11O13**	**C11O17**	**C11O18**
C11O1 – In the past six months, how often did your [caregiver] talk to you about what you were going to do the coming day?	0.307 0.000 341	0.347 0.000 341	0.276 0.000 341	0.257 0.000 341	0.200 0.000 341
C11O2 – In the past six months, how often did your [caregiver] talk to your about what you had actually done during the day?	0.292 0.000 341	0.354 0.000 341	0.247 0.000 341	0.285 0.000 341	0.282 0.000 341
C11O3 – How often did your [caregiver] talk to you about how things were going at school?	0.331 0.000 340	0.335 0.000 340	0.261 0.000 340	0.309 0.000 340	0.238 0.000 340
C11O4 – Do you have a set time to be home on school nights?	0.217 0.000 336	0.475 0.000 336	0.062 0.258 336	0.183 0.001 336	0.099 0.070 336
C11O6 – Do you have a set time to be home on weekend nights?	0.164 0.003 335	0.403 0.000 335	0.101 0.064 335	0.156 0.004 335	0.098 0.073 335
C11O8 – If you did not come home by the time that you were supposed to be in, would your [caregiver] know?	0.348 0.000 308	0.436 0.000 308	0.281 0.000 308	0.350 0.000 308	0.183 0.001 308
C11O9 – If your [caregiver] is not at home, are you allowed to leave the house?	-0.192 0.000 340	-0.225 0.000 340	-0.048 0.378 340	-0.076 0.164 340	0.003 0.952 340
C11O10 – Do you leave a note for him/her or call him/her about where you are going?	0.486 0.000 311	0.527 0.000 311	0.314 0.000 311	0.266 0.000 311	0.252 0.000 311
C11O11 – Does your [caregiver] know who you are with when you are away from home?	1.000 341	0.577 0.000 341	0.363 0.000 341	0.472 0.000 341	0.395 0.000 341
C11O12 – When you are out, does your [caregiver] know what time you will be home?	0.577 0.000 341	1.000 341	0.334 0.000 341	0.329 0.000 341	0.246 0.000 341
C11O13 – When your [caregiver] is not home, do you know how to get in touch with him/her?	0.363 0.000 341	0.334 0.000 341	1.000 341	0.267 0.000 341	0.182 0.001 341
C11O17 – When you and your [caregiver] are both at home, does she/he know what you are doing?	0.472 0.000 341	0.329 0.000 341	0.267 0.000 341	1.000 341	0.329 0.000 341
C11O18 – How many of your friends does your [caregiver] know?	0.395 0.000 341	0.246 0.000 341	0.182 0.001 341	0.329 0.000 341	1.000 341

Pearson Correlation Coefficients Prob > |r| under H0: Rho=0 Number of Observations			
	SCH11DAY	**SCH11CFW**	**SCH11SUP**
SCH11DAY – Discussing Daily Activities Scale	1.000 341	0.238 0.000 337	0.480 0.000 341
SCH11CFW – Curfew Times Scale	0.238 0.000 337	1.000 337	0.343 0.000 337
SCH11SUP – Supervision/Involvement Scale	0.480 0.000 341	0.343 0.000 337	1.000 341