Supervision Questionnaire - Child
Grade 11/Year 12
Fast Track Project Technical Report
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March 2004

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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+).*

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

Data Sources
Raw: C12O

Scored: SCH12

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 twelfth year of the study. Overall, 128 records were

missing the whole measure. Forty eight were missing from the control sample (6 from Durham, 18 from Nashville, 12 from Pennsylvania, and 12 from Washington) and 110 were missing from the normative sample (17 from Durham, 41 from Nashville, 23 from Pennsylvania, and 29 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
Y12 SCH Discussing Daily Activities Scale (SCH12day)	0.90	0.90
Y12 SCH Curfew Time Scale (SCH12cfw)	0.95	0.92
Y12 SCH Supervision/Involvement Scale (SCH12sup)	0.72	0.69

IV. Differences Between Groups

T-tests were used to examine group differences for the total sample (i.e., high-risk control versus normative youth). Analyses of the full sample revealed no significant differences between normative youth and their high-risk control counterparts for the Discussing Daily Activities Scale (SCH12day) or the Curfew Time Scale (SCH12cfw). Analysis revealed that for the Supervision/Involvement Scale (SCH12sup) for the normative and high-risk control groups, there are significant differences (p = 0.0238). The mean is higher for the normative group than the high-risk control group (4.02 versus 3.86), which indicates that the normative group has a higher caregiver supervision and involvement (according to the child) than does the high-risk control group.

Comparison of Scale Means for Normative and Control							
	Normative		Control				
Variable	Mean	Std Dev	Mean	Std Dev	DF	t Value	Pr > |t|
Y12 SCH Discussing Daily Activities Scale (SCH12day)	3.56	0.85	3.37	1.05	333	-1.81	0.0710
Y12 SCH Curfew Time Scale (SCH12cfw)	3.34	1.50	3.26	1.40	325	-0.49	0.6251
Y12 SCH Supervision/Involvement Scale (SCH12sup)	4.02	0.62	3.86	0.59	333	-2.27	0.0238

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|
C12O18 – How many of your friends does your [caregiver] know?	2.70	0.96	2.76	1.16	332	0.47	0.6404

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 (C12O14) among the control and normative samples was:

Table of C12O14 by group			
C12O14 (Where do you usually go right after school?)	**Group**		**Total**
Frequency **Percent** **Row Percent** **Column Percent**	**Control**	**Normative**	
1 **(home, supervised**	45 13.64 30.82 42.86	101 30.61 69.18 44.89	146 44.24
2 **(home, unsupervised)**	19 5.76 26.39 18.10	53 16.06 73.61 23.56	72 21.82
3 **(somewhere else – supervised)**	34 10.30 35.79 32.38	61 18.48 64.21 27.11	95 28.79
4 **(somewhere else – unsupervised)**	5 1.52 41.67 4.76	7 2.12 58.33 3.11	12 3.64
5 **(somewhere else – don't know if supervised)**	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00
6 **(other)**	2 0.61 40.00 1.90	3 0.91 60.00 1.33	5 1.52
Total	105 31.82	225 68.18	330 100.00
Frequency Missing = 133			

With χ^2 (4, N = 330) = 2.4265, p < 0.6578, 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 (C12O15) among the control and normative samples was:

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Table of C12O15 by group			
C12O15 (Where do you usually stay in the evening?)	Group		Total
Frequency Percent Row Percent Column Percent	Control	Normative	
1 (home, supervised	78 23.35 29.77 72.90	184 55.09 70.23 81.06	262 78.44
2 (home, unsupervised)	6 1.80 33.33 5.61	12 3.59 66.67 5.29	18 5.39
3 (somewhere else – supervised)	13 3.89 33.33 12.15	26 7.78 66.67 11.45	39 11.68
4 (somewhere else – unsupervised)	8 2.40 66.67 7.48	4 1.20 33.33 1.76	12 3.59
5 (somewhere else – don't know if supervised)	2 0.60 66.67 1.87	1 0.30 33.33 0.44	3 0.90
6 (other)	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00
Total	107 32.04	227 67.96	334 100.00
Frequency Missing = 129			

With χ^2 (4, N = 334) = 8.9236, p < 0.0630, 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 (C12O16) among the control and normative samples was:

Table of C12O16 by group			
C12O16 (Where do you usually stay on weekends?)	Group		Total
Frequency Percent Row Percent Column Percent	Control	Normative	
1 (home, supervised	59 17.72 29.21 55.14	143 42.94 70.79 63.27	202 60.66
2 (home, unsupervised)	3 0.90 42.86 2.80	4 1.20 57.14 1.77	7 2.10
3 (somewhere else – supervised)	33 9.91 32.04 30.84	70 21.02 67.96 30.97	103 30.93
4 (somewhere else – unsupervised)	8 2.40 53.33 7.48	7 2.10 46.67 3.10	15 4.50
5 (somewhere else – don't know if supervised)	2 0.60 100.00 1.87	0 0.00 0.00 0.00	2 0.60
6 (other)	2 0.60 50.00 1.87	2 0.60 50.00 0.88	4 1.20
Total	107 32.13	226 67.87	333 100.00
Frequency Missing = 130			

With χ^2 (5, N = 333) = 9.0634, p < 0.1066, 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 C12O5a (the school night time), C12O5b (A.M. or P.M.), C12O7a (the weekend night time), and C12O7b (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 about 23 percent of the respondents listed 12:00 P.M. (i.e., noon) as their weekend night curfew. In fact, almost 30 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 only the Supervision Scale distinguishes the normative group from the high-risk control group.

V1. Item and Scale Means and SD's

	Descriptive Statistics for High Risk Control Sample					
Variable	**Label**	**N**	**Mean**	**Std Dev**	**Minimum**	**Maximum**
C12O1	In the past six months, how often did your [caregiver] talk to you about what you were going to do for the coming day?	107	3.17	1.25	1.00	5.00
C12O2	In the past six months, how often did your [caregiver] talk to you about what you had actually done during the day?	107	3.38	1.25	1.00	5.00
C12O3	How often did your [caregiver] talk to you about how things were going at school?	106	3.58	1.21	1.00	5.00
C12O4	Do you have a set time to be home on school nights?	105	3.68	1.40	1.00	5.00
C12O6	Do you have a set time to be home on weekend nights?	104	2.85	1.70	1.00	5.00
C12O8	If you did not come home by the time that you were supposed to be in, would your [caregiver] know?	92	4.21	0.98	1.00	5.00
C12O9	If your [caregiver] is not at home, are you allowed to leave the house?	107	3.89	1.36	1.00	5.00
C12O10	Do you leave a note for him/her or call him/her about where you are going?	94	3.48	1.34	1.00	5.00
C12O11	Does your [caregiver] know who you are with when you are away from home?	107	3.89	1.09	1.00	5.00
C12O12	When you are out, does your [caregiver] know what time you will be home?	107	3.63	1.14	1.00	5.00
C12O13	When your [caregiver] is not home, do you know how to get in touch with him/her?	107	4.11	1.05	1.00	5.00
C12O14	Where do you usually go right after school?	105	2.07	1.12	1.00	6.00
C12O15	Where do you usually stay in the evening?	107	1.60	1.08	1.00	5.00
C12O16	Where do you usually stay on the weekends?	107	2.04	1.28	1.00	6.00
C12O17	When you and your [caregiver] are both at home, does she/he know what you are doing?	107	3.90	0.93	1.00	5.00
C12O18	How many of your friends does your [caregiver] know?	107	2.76	1.16	0.00	4.00
SCH12day	Y12 SCH Discussing Daily Activities Scale	107	3.37	1.05	1.00	5.00
SCH12cfw	Y12 SCH Curfew Times Scale	105	3.26	1.40	1.00	5.00
SCH12sup	Y12 SCH Supervision/Involvement Scale	107	3.86	0.59	2.14	5.00

	Descriptive Statistics for Normative Sample					
Variable	Label	N	Mean	Std Dev	Minimum	Maximum
C12O1	In the past six months, how often did your [caregiver] talk to you about what you were going to do for the coming day?	277	3.43	1.09	1.00	5.00
C12O2	In the past six months, how often did your [caregiver] talk to you about what you had actually done during the day?	277	3.52	1.01	1.00	5.00
C12O3	How often did your [caregiver] talk to you about how things were going at school?	272	3.78	1.00	1.00	5.00
C12O4	Do you have a set time to be home on school nights?	268	3.68	1.47	1.00	5.00
C12O6	Do you have a set time to be home on weekend nights?	266	3.05	1.65	1.00	5.00
C12O8	If you did not come home by the time that you were supposed to be in, would your [caregiver] know?	228	4.26	1.01	1.00	5.00
C12O9	If your [caregiver] is not at home, are you allowed to leave the house?	277	3.84	1.29	1.00	5.00
C12O10	Do you leave a note for him/her or call him/her about where you are going?	252	3.94	1.19	1.00	5.00
C12O11	Does your [caregiver] know who you are with when you are away from home?	277	4.04	1.06	1.00	5.00
C12O12	When you are out, does your [caregiver] know what time you will be home?	277	3.86	1.11	1.00	5.00
C12O13	When your [caregiver] is not home, do you know how to get in touch with him/her?	277	4.24	0.94	1.00	5.00
C12O14	Where do you usually go right after school?	273	1.94	1.05	1.00	6.00
C12O15	Where do you usually stay in the evening?	276	1.37	0.81	1.00	5.00
C12O16	Where do you usually stay on weekends?	275	1.78	1.11	1.00	6.00
C12O17	When you and your [caregiver] are both at home, does she/he know what you are doing?	276	3.98	0.94	1.00	5.00
C12O18	How many of your friends does your [caregiver] know?	276	2.73	0.99	0.00	4.00
SCH121day	Y121 SCH Discussing Daily Activities Scale	277	3.57	0.88	1.00	5.00
SCH121cfw	Y121 SCH Curfew Times Scale	270	3.37	1.46	1.00	5.00
SCH121sup	Y121 SCH Supervision/Involvement Scale	282	4.01	0.61	1.40	5.00

VII. Scale Correlations

Correlation for Full Sample

Pearson Correlation Coefficients Prob > |r| under H0: Rho=0 Number of Observations								
	C12O1	C12O2	C12O3	C12O4	C12O6	C12O8	C12O9	C12O10
C12O1 – In the past six months, how often did your [caregiver] talk to you about what you were going to do the coming day?	1.000 335	0.642 0.000 335	0.488 0.000 330	0.257 0.000 325	0.183 0.001 323	0.177 0.003 276	-0.099 0.070 335	0.319 0.000 305
C12O2 – In the past six months, how often did your [caregiver] talk to your about what you had actually done during the day?	0.642 0.000 335	1.000 335	0.536 0.000 330	0.278 0.001 325	0.223 0.008 323	0.187 0.002 276	-0.062 0.256 335	0.328 0.000 305
C12O3 – How often did your [caregiver] talk to you about how things were going at school?	0.488 0.000 330	0.536 0.000 330	1.000 330	0.292 0.000 322	0.230 0.000 319	0.305 0.000 276	-0.086 0.118 330	0.317 0.000 301
C12O4 – Do you have a set time to be home on school nights?	0.257 0.000 336	0.278 0.000 325	0.292 0.000 322	1.000 325	0.735 0.000 321	0.288 0.000 275	-0.209 0.000 325	0.305 0.000 296
C12O6 – Do you have a set time to be home on weekend nights?	0.183 0.001 323	0.223 0.000 323	0.230 0.000 319	0.735 0.000 321	1.000 323	0.211 0.001 272	-0.182 0.001 323	0.274 0.000 296
C12O8 – If you did not come home by the time that you were supposed to be in, would your [caregiver] know?	0.177 0.003 276	0.187 0.002 276	0.305 0.000 276	0.288 0.000 275	0.211 0.001 272	1.000 276	-0.161 0.008 276	0.209 0.001 251
C12O9 – If your [caregiver] is not at home, are you allowed to leave the house?	-0.099 0.070 335	-0.062 0.256 335	-0.086 0.118 330	-0.209 0.000 325	-0.182 0.001 323	-0.161 0.008 276	1.000 335	-0.098 0.089 305
C12O10 – Do you leave a note for him/her or call him/her about where you are going?	0.319 0.000 305	0.328 0.000 305	0.317 0.000 301	0.305 0.000 296	0.274 0.000 296	0.209 0.001 251	-0.098 0.089 305	1.00000 305
C12O11 – Does your [caregiver] know who you are with when you are away from home?	0.312 0.000 335	0.317 0.000 335	0.334 0.000 330	0.290 0.000 325	0.213 0.000 323	0.432 0.000 276	-0.180 0.001 335	0.454 0.000 305
C12O12 – When you are out, does your [caregiver] know what time you will be home?	0.301 0.000 335	0.296 0.000 335	0.322 0.000 330	0.457 0.000 325	0.449 0.000 323	0.360 0.000 276	-0.243 0.000 335	0.388 0.000 305
C12O13 – When your [caregiver] is not home, do you know how to get in touch with him/her?	0.309 0.000 335	0.320 0.000 335	0.320 0.000 330	0.125 0.024 325	0.146 0.009 323	0.249 0.000 276	-0.033 0.546 335	0.204 0.000 305
C12O17 – When you and your [caregiver] are both at home, does she/he know what you are doing?	0.350 0.000 334	0.336 0.000 334	0.309 0.000 329	0.199 0.000 324	0.171 0.002 322	0.239 0.000 275	-0.087 0.114 334	0.230 0.000 304
C12O18 – How many of your friends does your [caregiver] know?	0.329 0.000 334	0.285 0.000 334	0.333 0.000 329	0.161 0.004 324	0.087 0.121 322	0.250 0.001 275	-0.041 0.456 334	0.246 0.000 304

Pearson Correlation Coefficients Prob > |r| under H0: Rho=0 Number of Observations					
	C12O11	C12O12	C12O13	C12O17	C12O18
C12O1 – In the past six months, how often did your [caregiver] talk to you about what you were going to do the coming day?	0.312 0.000 335	0.301 0.000 335	0.310 0.000 335	0.350 0.000 334	0.329 0.000 334
C12O2 – In the past six months, how often did your [caregiver] talk to your about what you had actually done during the day?	0.317 0.000 335	0.296 0.000 335	0.320 0.000 335	0.336 0.000 334	0.285 0.000 334
C12O3 – How often did your [caregiver] talk to you about how things were going at school?	0.334 0.000 330	0.322 0.000 330	0.320 0.000 330	0.309 0.000 329	0.333 0.000 329
C12O4 – Do you have a set time to be home on school nights?	0.290 0.000 325	0.457 0.000 325	0.125 0.024 325	0.199 0.000 324	0.161 0.004 324
C12O6 – Do you have a set time to be home on weekend nights?	0.213 0.000 323	0.449 0.000 323	0.146 0.009 323	0.171 0.002 322	0.087 0.121 322
C12O8 – If you did not come home by the time that you were supposed to be in, would your [caregiver] know?	0.432 0.000 276	0.360 0.000 276	0.249 0.000 276	0.239 0.000 275	0.250 0.001 275
C12O9 – If your [caregiver] is not at home, are you allowed to leave the house?	-0.180 0.001 335	-0.243 0.000 335	-0.033 0.546 335	-0.087 0.114 334	0.041 0.456 334
C12O10 – Do you leave a note for him/her or call him/her about where you are going?	0.454 0.000 305	0.388 0.000 305	0.204 0.000 305	0.230 0.000 304	0.246 0.000 304
C12O11 – Does your [caregiver] know who you are with when you are away from home?	1.000 335	0.533 0.000 335	0.293 0.000 335	0.416 0.000 334	0.395 0.000 334
C12O12 – When you are out, does your [caregiver] know what time you will be home?	0.533 0.000 335	1.000 335	0.263 0.000 335	0.335 0.000 334	0.206 0.000 334
C12O13 – When your [caregiver] is not home, do you know how to get in touch with him/her?	0.293 0.000 335	0.263 0.000 335	1.000 335	0.351 0.000 334	0.256 0.000 334
C12O17 – When you and your [caregiver] are both at home, does she/he know what you are doing?	0.416 0.000 334	0.335 0.000 334	0.351 0.000 334	1.000 334	0.386 0.000 334
C12O18 – How many of your friends does your [caregiver] know?	0.395 0.000 334	0.206 0.000 334	0.256 0.000 334	0.386 0.000 334	1.000 334

Pearson Correlation Coefficients Prob > |r| under H0: Rho=0 Number of Observations			
	SCH12DAY	**SCH12CFW**	**SCH12SUP**
SCH12DAY – Discussing Daily Activities Scale	1.000 335	0.316 0.000 327	0.516 0.000 335
SCH12CFW – Curfew Times Scale	0.316 0.000 327	1.000 327	0.371 0.000 327
SCH12SUP – Supervision/Involvement Scale	0.516 0.000 335	0.371 0.000 327	1.000 335