

Parent Daily Report: PDR – Child Behavior Items

Grade 12/Year 13

Fast Track Project Technical Report

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SAS scoring program

Citation

Instrument

Chamberlain, P. & Reid, J. B. (1987). Parent observation and report of child symptoms. Behavioral Assessment, 9, 97-109.

Reports

Rains, C. (2002). *Parent Daily Report: PDR—Child Behavior Items* (Fast Track Project Technical Report). Available from the Fast Track Project website: <http://www.fasttrackproject.org>

Hurley, S.M. (2000). *Parent Daily Report – Child Behavior Items* (Fast Track Project Technical Report). Available from the Fast Track Project website: <http://www.fasttrackproject.org>

Karns, A. (1997). Psychometric Properties of the Parent Daily Report: PDR – Child Behavior Items.

Data Sources

Raw: P12K

Scored: PDR12

I. Scale Description

The PDR is a 30-item checklist of behavior problems developed at the Oregon Social Learning Center. Parents are asked to indicate the presence of each behavior problem (did or did not occur) during the past 24 hours. The first administration of the PDR took place during the summer interview with parents. Then, parents received several follow-up telephone calls from interview staff during the two weeks following the summer interview. During the first year of the project, four follow-up telephone calls were made to parents. After initial analyses suggested that it required only three reports to get a reliable estimate of child behavior problems, the number of follow-up telephone calls was reduced to two (in addition to one administration at the time of the interview). For all of the following analyses, parent's reports of their child's behavior were averaged across the first three administrations of the PDR.

Finally, for years 9, 10, and 11, this measure underwent some revisions and a number of the items were updated. From year 9 on, there were 37 items in the PDR. Items PxKP1-5 were dropped entirely from the measure. New items included whether the child ate a meal with the parent (PxK8), how many hours the child had spent at home without an adult present (PxK9), whether the parent had talked with the child's friends' parents (PxK13), whether the child had used tobacco (PxK33), alcohol (PxK34), or drugs (PxK35), whether the child had participated in any positive social activities (PxK43), and how accurate the interviewer thought that the information was (PxK44). Several items were similar to the original version of the measure, such as whether the child had eating problems (now item PxK41) or whether the child seemed hyperactive (now item PxK42).

In year 12, this measure was again modified to drop 8 items, 8 through 15. These items included whether the child ate a meal with the parent (PxK8), how many hours the child had spent at home without an adult present (PxK9), and whether the parent had talked with the child's friends' parents (PxK13).

II. Report Sample

These exploratory analyses were conducted with the first cohort on the control sample ($n=155$) and on the normative sample ($n=387$ including overlap, total $N=463$) from the thirteenth year of the study. In the this year, 128 records were missing responses for the entire measure. 57 were from the control sample (8 from Durham, 20 from Nashville, 12 from Pennsylvania, and 17 from Washington) and 111 were from the normative sample (16 from Durham, 42 from Nashville, 22 from Pennsylvania, and 31 from Washington). Some of these may represent overlap between samples.

III. Scaling

When this measure was computerized in year 9, the measure's response options as to whether a behavior had occurred changed such that 0 = no and 1 = yes. Thus, the reversal of the items in the scoring program, as done in previous years, was dropped, except for item 29 (purposefully destroys property). This item continued to be reverse-scored.

Due to the changes in the measure in year 9, the subscales were revised. For all of the subscales, a score approaching 1.0 would still be considered a high score. The *Oppositional and Aggressive* subscale was modified to include items MPxK16-MPxK18, MPxK20, MPxK22, and MPxK25-MPxK27. These items included talks back to an adult, screams, swears at someone, physically fights with anyone, teases anyone, lies, takes something that does not belong to them, and disobeys parent.

Three new subscales for years 9+ were *Prosocial*, *Internalizing*, and *Substance Abuse*. *Prosocial* includes 7 items: MPxK19 (talks respectfully to an adult), MPxK21 (completes a household chore), MPxK24 (shows respect for family), MPxK28 (follows family rules at home), MPxK29r (purposefully destroys property), MPxK31 (volunteers to help with family chore), and MPxK39 (talks about his/her activities). *Internalizing* includes 5 items: MPxK36 (shows signs of sadness/depression), MPxK37 (acts shy), MPxK38 (shows signs of anxiety), MPxK40 (has sleeping problems), and MPxK41 (has eating problems). *Substance Abuse* is made up of 3 items: MPxK33 (uses tobacco), MPxK34 (uses alcohol), and MPxK35 (uses drugs).

Cronbach's alphas were calculated for each subscale and are shown in the table below:

Cronbach's Alpha for Scales			
Variable	Label	Normative	High Risk Control
PDR13INT	Internalizing - PDR Y13	0.50	0.57
PDR13OAG	Oppositional+Aggressive - PDR Y13	0.67	0.73
PDR13PRO	Prosocial - PDR Y13	0.55	0.74
PDR13SUB	Substance Abuse - PDR Y13	0.33	0.26

The reliability coefficients for the *Oppositional and Aggressive* and *Prosocial*, subscales were adequate for the control and normative samples. However, the coefficients for the *Internalizing* and *Substance Abuse* subscale showed a low level of internal consistency for both samples.

IV. Differences Between Groups

A series of t-tests comparing the high-risk control sample and the normative sample (including the overlap) indicated significant differences for three of the subscales. These were the *Oppositional and Aggressive*, *Prosocial*, and the *Substance Abuse* subscales. The control sample has a higher average mean for the *Oppositional and Aggressive* and *Substance Abuse* subscales, but the normative sample has a higher average mean on the *Prosocial* subscale.

One item not included in any of the subscales also indicated a significant differences between the normative and control samples, whether the interviewer thought the information was accurate (MP12K44).

Comparison of Means for Normative and Control for Continuous Scales and Items								
Variable	Label	Normative		Control		DF	t Value	Pr > t
		Mean	Std Dev	Mean	Std Dev			
PDR13INT	Internalizing - PDR Y13	0.02	0.07	0.03	0.06	319	0.07	0.9480
PDR13OAG	Oppositional+Aggressive - PDR Y13	0.06	0.09	0.10	0.13	133	2.75	0.0068
PDR13PRO	Prosocial - PDR Y13	0.85	0.13	0.80	0.18	132	-2.58	0.0109
PDR13SUB	Substance Abuse - PDR Y13	0.06	0.13	0.13	0.18	138	3.79	0.0002
MP13K23	Mean of Did tc hit brothers or sisters?	0.05	0.16	0.06	0.18	311	0.39	0.6978
MP13K23	Mean of Did tc hit brothers or sisters?	0.05	0.16	0.06	0.18	311	0.39	0.6978
MP13K30	Mean of Did tc act jealous or demand attention?	0.01	0.09	0.03	0.10	319	0.93	0.3531
MP13K42	Mean of Did tc seem hyperactive/easily distracte	0.04	0.16	0.06	0.19	145	0.91	0.3623
MP13K43	Mean of Did tc participate in positive social ac	0.52	0.39	0.43	0.37	320	-1.92	0.0554
MP13K44	Mean of How accurate is information?	4.20	0.60	4.01	0.67	332	-2.63	0.0088

V. Recommendations for Use

Analysts should note that analyses were not run for two of the items, MP13K6 and MP13K7. Item

MP13K6 refers to the number or occasion of the Parent Daily Report (i.e. 1st, 2nd, 3rd) and item MP13K7 refers to the date of the interview.

Analysts should note that one subscale, *Prosocial*, was fairly normally distributed for the normative sample only. The *Prosocial* subscale was negatively skewed for the control sample. In addition, the other three subscales showed floor effects. The *Oppositional and Aggressive* subscale for the normative sample had 81% of the responses ranged between 0 and 0.08, while 68% of the control sample fell in this range. For the *Internalizing* subscale, 82% of the normative sample and 78% of the control sample had responses of zero. Finally, for the *Substance Abuse* subscale, 82% of the normative sample and 58% of the control sample had responses of zero. For all of these subscales, a score of zero was the lowest possible score.

The low internal consistency coefficients for certain subscales are not necessarily worrisome. A scale based on a checklist format does not have the same psychometric qualities as a scale based on a common factor model, and a low coefficient alpha is especially likely for measures of low-frequency events (such as substance use).

VI. Item and Scale Means and SD's

Descriptive Statistics - Normative Sample						
Variable	Label	N	Mean	Std Dev	Minimum	Maximum
PDR13INT	Internalizing - PDR Y13	266	0.02	0.06	0.00	0.40
PDR13OAG	Oppositional+Aggressive - PDR Y13	267	0.06	0.10	0.00	0.67
PDR13PRO	Prosocial - PDR Y13	266	0.85	0.13	0.29	1.00
PDR13SUB	Substance Abuse - PDR Y13	266	0.06	0.14	0.00	0.67
MP13K16	Mean of Did tc argue or talk back to an adult?	267	0.08	0.21	0.00	1.00
MP13K17	Mean of Did tc scream/yell/or shout at anyone?	267	0.08	0.21	0.00	1.00
MP13K18	Mean of Did tc swear at anyone?	267	0.06	0.20	0.00	1.00
MP13K19	Mean of Did tc talk respectfully to an adult?	267	0.96	0.15	0.00	1.00
MP13K20	Mean of Did tc physically fight with anyone?	267	0.01	0.05	0.00	0.50
MP13K21	Mean of Did tc complete a household chore?	265	0.77	0.31	0.00	1.00
MP13K22	Mean of Did tc tease anyone?	266	0.18	0.30	0.00	1.00
MP13K23	Mean of Did tc hit brothers or sisters?	259	0.05	0.16	0.00	1.00
MP13K24	Mean of Did tc show respect for family members?	266	0.96	0.14	0.00	1.00
MP13K25	Mean of Did tc tell a lie?	266	0.02	0.09	0.00	0.67
MP13K26	Mean of Did tc take anything that didnt belong t	266	0.01	0.05	0.00	0.67
MP13K27	Mean of Did tc disobey a parent?	266	0.05	0.15	0.00	1.00
MP13K28	Mean of Did tc follow family rules at home?	266	0.95	0.16	0.00	1.00
MP13K29r	Mean of Reversed -Did tc purposely destroy property?	266	1.00	0.04	0.67	1.00
MP13K30	Mean of Did tc act jealous or demand attention?	266	0.02	0.09	0.00	1.00
MP13K31	Mean of Did tc volunteer to help w/a family chor	266	0.52	0.41	0.00	1.00
MP13K32	Mean of Did tc spend unsupervised time w/peers?	267	0.63	0.38	0.00	1.00
MP13K33	Mean of Did tc use tobacco?	266	0.16	0.36	0.00	1.00
MP13K34	Mean of Did tc use alcohol?	266	0.01	0.06	0.00	0.50
MP13K35	Mean of Did tc use drugs?	266	0.02	0.09	0.00	0.67
MP13K36	Mean of Did tc show signs of sadness/depression?	266	0.03	0.12	0.00	1.00
MP13K37	Mean of Did tc act shy or withdrawn?	266	0.02	0.11	0.00	1.00
MP13K38	Mean of Did tc show signs of fearfulness/anxiety	266	0.02	0.09	0.00	1.00
MP13K39	Mean of Did tc talk about his/her activities?	267	0.78	0.32	0.00	1.00
MP13K40	Mean of Did tc have sleeping problems?	266	0.04	0.14	0.00	1.00
MP13K41	Mean of Did tc have eating problems?	266	0.01	0.07	0.00	0.67
MP13K42	Mean of Did tc seem hyperactive/easily distracte	266	0.04	0.15	0.00	1.00
MP13K43	Mean of Did tc participate in positive social ac	266	0.52	0.39	0.00	1.00
MP13K44	Mean of How accurate is information?	275	4.18	0.60	2.00	5.00

Descriptive Statistics - High Risk Control Sample						
Variable	Label	N	Mean	Std Dev	Minimum	Maximum
PDR13INT	Internalizing - PDR Y13	93	0.03	0.06	0.00	0.40
PDR13OAG	Oppositional+Aggressive - PDR Y13	93	0.10	0.13	0.00	0.58
PDR13PRO	Prosocial - PDR Y13	93	0.80	0.18	0.14	1.00
PDR13SUB	Substance Abuse - PDR Y13	94	0.13	0.18	0.00	0.67
MP13K16	Mean of Did tc argue or talk back to an adult?	93	0.13	0.25	0.00	1.00
MP13K17	Mean of Did tc scream/yell/or shout at anyone?	93	0.13	0.27	0.00	1.00
MP13K18	Mean of Did tc swear at anyone?	93	0.16	0.29	0.00	1.00
MP13K19	Mean of Did tc talk respectfully to an adult?	93	0.92	0.22	0.00	1.00
MP13K20	Mean of Did tc physically fight with anyone?	93	0.01	0.07	0.00	0.33
MP13K21	Mean of Did tc complete a household chore?	94	0.71	0.32	0.00	1.00
MP13K22	Mean of Did tc tease anyone?	93	0.19	0.31	0.00	1.00
MP13K23	Mean of Did tc hit brothers or sisters?	91	0.06	0.18	0.00	1.00
MP13K24	Mean of Did tc show respect for family members?	93	0.90	0.23	0.00	1.00
MP13K25	Mean of Did tc tell a lie?	93	0.05	0.15	0.00	1.00
MP13K26	Mean of Did tc take anything that didnt belong t	94	0.00	0.03	0.00	0.33
MP13K27	Mean of Did tc disobey a parent?	95	0.11	0.23	0.00	1.00
MP13K28	Mean of Did tc follow family rules at home?	94	0.89	0.23	0.00	1.00
MP13K29r	Mean of Reversed -Did tc purposely destroy property?	94	1.00	0.03	0.67	1.00
MP13K30	Mean of Did tc act jealous or demand attention?	93	0.03	0.10	0.00	0.67
MP13K31	Mean of Did tc volunteer to help w/a family chor	93	0.44	0.40	0.00	1.00
MP13K32	Mean of Did tc spend unsupervised time w/peers?	94	0.61	0.39	0.00	1.00
MP13K33	Mean of Did tc use tobacco?	94	0.35	0.46	0.00	1.00
MP13K34	Mean of Did tc use alcohol?	94	0.02	0.08	0.00	0.33
MP13K35	Mean of Did tc use drugs?	94	0.03	0.12	0.00	0.67
MP13K36	Mean of Did tc show signs of sadness/depression?	93	0.04	0.14	0.00	0.67
MP13K37	Mean of Did tc act shy or withdrawn?	93	0.01	0.07	0.00	0.33
MP13K38	Mean of Did tc show signs of fearfulness/anxiety	93	0.03	0.10	0.00	0.67
MP13K39	Mean of Did tc talk about his/her activities?	93	0.72	0.36	0.00	1.00
MP13K40	Mean of Did tc have sleeping problems?	95	0.04	0.13	0.00	0.67
MP13K41	Mean of Did tc have eating problems?	95	0.00	0.03	0.00	0.33
MP13K42	Mean of Did tc seem hyperactive/easily distracte	93	0.06	0.19	0.00	1.00
MP13K43	Mean of Did tc participate in positive social ac	94	0.43	0.37	0.00	1.00
MP13K44	Mean of How accurate is information?	98	4.01	0.67	2.00	5.00

VII. Item and Scale Correlations

Pearson Correlation Coefficients Prob > r under H0: Rho=0 Number of Observations				
	PDR13INT	PDR13OAG	PDR13PRO	PDR13SUB
PDR13INT Internalizing - PDR Y13	1.000 321	0.157 0.005 321	-0.172 0.002 321	0.068 0.222 321
PDR13OAG Oppositional+Aggressive - PDR Y13	0.157 0.005 321	1.000 322	-0.416 0.000 321	0.311 0.000 321
PDR13PRO Prosocial - PDR Y13	-0.172 0.002 321	-0.416 0.000 321	1.000 321	-0.264 0.000 321
PDR13SUB Substance Abuse - PDR Y13	0.068 0.222 321	0.311 0.000 321	-0.264 0.000 321	1.000 322

Pearson Correlation Coefficients Prob > r under H0: Rho=0 Number of Observations								
	MP13K16	MP13K17	MP13K18	MP13K19	MP13K20	MP13K21	MP13K22	MP13K23
MP13K16 Mean of Did tc argue or talk back to an adult?	1.000 322	0.501 0.000 322	0.462 0.000 322	-0.040 0.475 322	0.252 0.000 322	-0.189 0.001 320	0.159 0.004 321	0.027 0.630 313
MP13K17 Mean of Did tc scream/yell/or shout at anyone?	0.501 0.000 322	1.000 322	0.548 0.000 322	-0.122 0.028 322	0.368 0.000 322	-0.113 0.044 320	0.292 0.000 321	0.407 0.000 313
MP13K18 Mean of Did tc swear at anyone?	0.462 0.000 322	0.548 0.000 322	1.000 322	-0.152 0.006 322	0.281 0.000 322	-0.121 0.031 320	0.240 0.000 321	0.274 0.000 313
MP13K19 Mean of Did tc talk respectfully to an adult?	-0.040 0.475 322	-0.122 0.028 322	-0.152 0.006 322	1.000 322	-0.031 0.575 322	0.174 0.002 320	0.009 0.878 321	-0.143 0.011 313
MP13K20 Mean of Did tc physically fight with anyone?	0.252 0.000 322	0.368 0.000 322	0.281 0.000 322	-0.031 0.575 322	1.000 322	-0.068 0.225 320	0.188 0.001 321	0.367 0.000 313
MP13K21 Mean of Did tc complete a household chore?	-0.189 0.001 320	-0.113 0.044 320	-0.121 0.031 320	0.174 0.002 320	-0.068 0.225 320	1.000 321	-0.038 0.499 320	0.055 0.334 312
MP13K22 Mean of Did tc tease anyone?	0.159 0.004 321	0.292 0.000 321	0.240 0.000 321	0.009 0.878 321	0.188 0.001 321	-0.038 0.499 320	1.000 321	0.358 0.000 313
MP13K23 Mean of Did tc hit brothers or sisters?	0.027 0.630 313	0.407 0.000 313	0.274 0.000 313	-0.143 0.011 313	0.367 0.000 313	0.055 0.334 312	0.358 0.000 313	1.000 313
MP13K24 Mean of Did tc show respect for family members?	-0.325 0.000 321	-0.241 0.000 321	-0.323 0.000 321	0.381 0.000 321	-0.143 0.011 321	0.192 0.001 320	-0.053 0.347 321	-0.042 0.463 313
MP13K25 Mean of Did tc tell a lie?	0.141 0.012 321	0.140 0.012 321	0.204 0.000 321	-0.016 0.769 321	-0.036 0.524 321	-0.077 0.169 320	0.196 0.000 321	0.134 0.017 313
MP13K26 Mean of Did tc take anything that didnt belong t	-0.011 0.838 321	0.085 0.131 321	0.088 0.116 321	0.032 0.563 321	-0.016 0.780 321	-0.033 0.561 321	0.050 0.369 321	0.141 0.013 313
MP13K27 Mean of Did tc disobey a parent?	0.465 0.000 321	0.416 0.000 321	0.452 0.000 321	-0.091 0.105 321	0.156 0.005 321	-0.207 0.000 321	0.143 0.010 321	0.027 0.632 313
MP13K28 Mean of Did tc follow family rules at home?	-0.444 0.000 321	-0.457 0.000 321	-0.557 0.000 321	0.233 0.000 321	-0.250 0.000 321	0.234 0.000 320	-0.132 0.018 321	-0.095 0.093 313
MP13K29r Mean of Reversed -Did tc purposely destroy property?	0.004 0.949 321	-0.039 0.486 321	-0.085 0.129 321	-0.034 0.541 321	0.017 0.768 321	0.035 0.538 321	-0.023 0.686 321	-0.169 0.003 313
MP13K30 Mean of Did tc act jealous or demand attention?	0.317 0.000 321	0.434 0.000 321	0.318 0.000 321	0.059 0.292 321	0.473 0.000 321	-0.172 0.002 320	0.141 0.011 321	0.219 0.000 313

Pearson Correlation Coefficients Prob > r under H0: Rho=0 Number of Observations								
	MP13K16	MP13K17	MP13K18	MP13K19	MP13K20	MP13K21	MP13K22	MP13K23
MP13K31 Mean of Did tc volunteer to help w/a family chor	-0.224 0.000 321	-0.136 0.015 321	-0.188 0.001 321	-0.006 0.920 321	-0.118 0.035 321	0.529 0.000 320	-0.167 0.003 321	0.002 0.977 313
MP13K32 Mean of Did tc spend unsupervised time w/peers?	0.147 0.008 322	0.026 0.645 322	0.173 0.002 322	0.063 0.262 322	-0.007 0.895 322	-0.158 0.005 320	0.127 0.022 321	0.050 0.379 313
MP13K33 Mean of Did tc use tobacco?	0.140 0.012 321	0.121 0.030 321	0.340 0.000 321	0.021 0.712 321	0.066 0.241 321	-0.159 0.004 320	0.031 0.581 321	0.010 0.864 313
MP13K34 Mean of Did tc use alcohol?	0.071 0.205 321	0.120 0.032 321	0.198 0.000 321	0.025 0.649 321	-0.027 0.624 321	-0.112 0.046 320	0.053 0.343 321	0.041 0.468 313
MP13K35 Mean of Did tc use drugs?	0.166 0.003 321	0.277 0.000 321	0.312 0.000 321	-0.047 0.406 321	0.073 0.189 321	-0.128 0.022 320	0.007 0.900 321	0.062 0.276 313
MP13K36 Mean of Did tc show signs of sadness/depression?	0.264 0.000 321	0.219 0.000 321	0.166 0.003 321	-0.067 0.233 321	0.015 0.791 321	-0.042 0.454 320	0.150 0.007 321	0.039 0.490 313
MP13K37 Mean of Did tc act shy or withdrawn?	0.001 0.992 321	0.016 0.772 321	0.011 0.839 321	-0.219 0.000 321	-0.032 0.571 321	-0.121 0.030 320	-0.058 0.299 321	-0.048 0.400 313
MP13K38 Mean of Did tc show signs of fearfulness/anxiety	0.025 0.656 321	0.026 0.648 321	0.019 0.729 321	-0.037 0.504 321	0.035 0.533 321	-0.044 0.435 320	0.121 0.030 321	-0.044 0.436 313
MP13K39 Mean of Did tc talk about his/her activities?	-0.087 0.119 322	-0.127 0.023 322	-0.163 0.003 322	0.288 0.000 322	-0.108 0.052 322	0.209 0.000 320	0.072 0.199 321	-0.066 0.245 313
MP13K40 Mean of Did tc have sleeping problems?	0.063 0.264 321	0.096 0.087 321	0.000 1.000 321	-0.099 0.078 321	0.142 0.011 321	-0.038 0.495 321	0.028 0.620 321	0.020 0.727 313
MP13K41 Mean of Did tc have eating problems?	0.145 0.009 321	0.040 0.476 321	-0.000 0.996 321	-0.290 0.000 321	-0.019 0.730 321	-0.036 0.517 321	-0.014 0.808 321	-0.041 0.465 313
MP13K42 Mean of Did tc seem hyperactive/easily distracte	0.277 0.000 321	0.311 0.000 321	0.218 0.000 321	-0.030 0.590 321	0.194 0.000 321	-0.152 0.007 320	0.125 0.025 321	0.059 0.298 313
MP13K43 Mean of Did tc participate in positive social ac	-0.143 0.010 321	-0.087 0.119 321	-0.165 0.003 321	0.097 0.084 321	-0.038 0.502 321	0.222 0.000 321	0.019 0.729 321	0.005 0.928 313
MP13K44 Mean of How accurate is information?	-0.037 0.506 322	-0.126 0.024 322	-0.114 0.040 322	0.341 0.000 322	-0.206 0.000 322	0.142 0.011 321	-0.010 0.852 321	-0.148 0.009 313

Pearson Correlation Coefficients Prob > r under H0: Rho=0 Number of Observations								
	MP13K24	MP13K25	MP13K26	MP13K27	MP13K28	MP13K29r	MP13K30	MP13K31
MP13K16 Mean of Did tc argue or talk back to an adult?	-0.325 0.000 321	0.141 0.012 321	-0.011 0.838 321	0.465 0.000 321	-0.444 0.000 321	0.004 0.949 321	0.317 0.000 321	-0.224 0.000 321
MP13K17 Mean of Did tc scream/yell/or shout at anyone?	-0.241 0.000 321	0.140 0.012 321	0.085 0.131 321	0.416 0.000 321	-0.457 0.000 321	-0.039 0.486 321	0.434 0.000 321	-0.136 0.015 321
MP13K18 Mean of Did tc swear at anyone?	-0.323 0.000 321	0.204 0.000 321	0.088 0.116 321	0.452 0.000 321	-0.557 0.000 321	-0.085 0.129 321	0.318 0.000 321	-0.188 0.001 321
MP13K19 Mean of Did tc talk respectfully to an adult?	0.381 0.000 321	-0.016 0.769 321	0.032 0.563 321	-0.091 0.105 321	0.233 0.000 321	-0.034 0.541 321	0.059 0.292 321	-0.006 0.920 321
MP13K20 Mean of Did tc physically fight with anyone?	-0.143 0.011 321	-0.036 0.524 321	-0.016 0.780 321	0.156 0.005 321	-0.250 0.000 321	0.017 0.768 321	0.473 0.000 321	-0.118 0.035 321
MP13K21 Mean of Did tc complete a household chore?	0.192 0.001 320	-0.077 0.169 320	-0.033 0.561 321	-0.207 0.000 321	0.234 0.000 320	0.035 0.538 321	-0.172 0.002 320	0.529 0.000 320
MP13K22 Mean of Did tc tease anyone?	-0.053 0.347 321	0.196 0.000 321	0.050 0.369 321	0.143 0.010 321	-0.132 0.018 321	-0.023 0.686 321	0.141 0.011 321	-0.167 0.003 321
MP13K23 Mean of Did tc hit brothers or sisters?	-0.042 0.463 313	0.134 0.017 313	0.141 0.013 313	0.027 0.632 313	-0.095 0.093 313	-0.169 0.003 313	0.219 0.000 313	0.002 0.977 313
MP13K24 Mean of Did tc show respect for family members?	1.000 321	-0.103 0.066 321	-0.048 0.391 321	-0.351 0.000 321	0.430 0.000 321	0.127 0.023 321	-0.224 0.000 321	0.242 0.000 321
MP13K25 Mean of Did tc tell a lie?	-0.103 0.066 321	1.000 321	0.292 0.000 321	0.292 0.000 321	-0.251 0.000 321	-0.141 0.012 321	0.157 0.005 321	-0.117 0.035 321
MP13K26 Mean of Did tc take anything that didnt belong t	-0.048 0.391 321	0.292 0.000 321	1.000 322	0.167 0.003 322	-0.154 0.006 321	-0.371 0.000 322	0.134 0.016 321	-0.114 0.042 321
MP13K27 Mean of Did tc disobey a parent?	-0.351 0.000 321	0.292 0.000 321	0.167 0.003 322	1.000 323	-0.668 0.000 322	-0.123 0.027 322	0.282 0.000 321	-0.209 0.000 321
MP13K28 Mean of Did tc follow family rules at home?	0.430 0.000 321	-0.251 0.000 321	-0.154 0.006 321	-0.668 0.000 322	1.000 322	0.112 0.044 321	-0.302 0.000 321	0.195 0.000 321
MP13K29r Mean of Reversed -Did tc purposely destroy property?	0.127 0.023 321	-0.141 0.012 321	-0.371 0.000 322	-0.123 0.027 322	0.112 0.044 321	1.000 322	-0.081 0.149 321	0.070 0.210 321
MP13K30 Mean of Did tc act jealous or demand attention?	-0.224 0.000 321	0.157 0.005 321	0.134 0.016 321	0.282 0.000 321	-0.302 0.000 321	-0.081 0.149 321	1.000 321	-0.146 0.009 321

Pearson Correlation Coefficients Prob > r under H0: Rho=0 Number of Observations								
	MP13K24	MP13K25	MP13K26	MP13K27	MP13K28	MP13K29r	MP13K30	MP13K31
MP13K31 Mean of Did tc volunteer to help w/a family chor	0.242 0.000 321	-0.117 0.035 321	-0.114 0.042 321	-0.209 0.000 321	0.195 0.000 321	0.070 0.210 321	-0.146 0.009 321	1.000 321
MP13K32 Mean of Did tc spend unsupervised time w/peers?	0.022 0.689 321	-0.002 0.977 321	0.014 0.807 321	0.107 0.054 322	-0.050 0.371 322	-0.014 0.796 321	0.045 0.422 321	-0.072 0.197 321
MP13K33 Mean of Did tc use tobacco?	-0.100 0.072 321	0.176 0.002 321	0.126 0.024 321	0.233 0.000 322	-0.228 0.000 322	-0.061 0.273 321	0.054 0.332 321	-0.131 0.019 321
MP13K34 Mean of Did tc use alcohol?	-0.066 0.240 321	0.149 0.008 321	0.201 0.000 321	0.216 0.000 322	-0.257 0.000 322	-0.125 0.025 321	0.171 0.002 321	-0.099 0.078 321
MP13K35 Mean of Did tc use drugs?	-0.188 0.001 321	0.274 0.000 321	0.417 0.000 321	0.325 0.000 322	-0.301 0.000 322	-0.172 0.002 321	0.178 0.001 321	-0.109 0.050 321
MP13K36 Mean of Did tc show signs of sadness/depression?	-0.094 0.092 321	0.062 0.268 321	-0.027 0.636 321	0.054 0.332 321	-0.074 0.187 321	0.028 0.616 321	0.101 0.070 321	-0.121 0.031 321
MP13K37 Mean of Did tc act shy or withdrawn?	-0.045 0.425 321	0.065 0.246 321	0.111 0.048 321	0.038 0.503 321	0.006 0.911 321	0.024 0.666 321	-0.006 0.916 321	0.012 0.830 321
MP13K38 Mean of Did tc show signs of fearfulness/anxiety	-0.014 0.803 321	-0.019 0.731 321	-0.022 0.693 321	-0.033 0.556 321	-0.001 0.988 321	0.023 0.676 321	0.074 0.188 321	-0.113 0.043 321
MP13K39 Mean of Did tc talk about his/her activities?	0.331 0.000 321	-0.274 0.000 321	-0.115 0.039 321	-0.216 0.000 321	0.299 0.000 321	0.003 0.959 321	-0.100 0.074 321	0.186 0.001 321
MP13K40 Mean of Did tc have sleeping problems?	-0.052 0.353 321	0.020 0.722 321	-0.029 0.603 322	0.043 0.437 323	0.006 0.908 322	0.031 0.582 322	0.158 0.005 321	-0.022 0.689 321
MP13K41 Mean of Did tc have eating problems?	-0.077 0.166 321	0.199 0.000 321	-0.014 0.804 322	0.073 0.189 323	-0.093 0.095 322	0.015 0.792 322	0.031 0.580 321	0.079 0.157 321
MP13K42 Mean of Did tc seem hyperactive/easily distracte	-0.097 0.083 321	0.213 0.000 321	-0.027 0.636 321	0.159 0.004 321	-0.231 0.000 321	-0.027 0.631 321	0.330 0.000 321	-0.096 0.087 321
MP13K43 Mean of Did tc participate in positive social ac	0.219 0.000 321	-0.096 0.087 321	-0.027 0.635 322	-0.108 0.052 322	0.151 0.007 321	0.023 0.677 322	-0.073 0.193 321	0.234 0.000 321
MP13K44 Mean of How accurate is information?	0.173 0.002 321	-0.133 0.017 321	-0.014 0.799 322	-0.047 0.398 323	0.167 0.003 322	-0.003 0.951 322	-0.074 0.187 321	-0.017 0.761 321

Pearson Correlation Coefficients Prob > r under H0: Rho=0 Number of Observations								
	MP13K32	MP13K33	MP13K34	MP13K35	MP13K36	MP13K37	MP13K38	MP13K39
MP13K16 Mean of Did tc argue or talk back to an adult?	0.147 0.008 322	0.140 0.012 321	0.071 0.205 321	0.166 0.003 321	0.264 0.000 321	0.001 0.992 321	0.025 0.656 321	-0.087 0.119 322
MP13K17 Mean of Did tc scream/yell/or shout at anyone?	0.026 0.645 322	0.121 0.030 321	0.120 0.032 321	0.277 0.000 321	0.219 0.000 321	0.016 0.772 321	0.026 0.648 321	-0.127 0.023 322
MP13K18 Mean of Did tc swear at anyone?	0.173 0.002 322	0.340 0.000 321	0.198 0.000 321	0.312 0.000 321	0.166 0.003 321	0.011 0.839 321	0.019 0.729 321	-0.163 0.003 322
MP13K19 Mean of Did tc talk respectfully to an adult?	0.063 0.262 322	0.021 0.712 321	0.025 0.649 321	-0.047 0.406 321	-0.067 0.233 321	-0.219 0.000 321	-0.037 0.504 321	0.288 0.000 322
MP13K20 Mean of Did tc physically fight with anyone?	-0.007 0.895 322	0.066 0.241 321	-0.027 0.624 321	0.073 0.189 321	0.015 0.791 321	-0.032 0.571 321	0.035 0.533 321	-0.108 0.052 322
MP13K21 Mean of Did tc complete a household chore?	-0.158 0.005 320	-0.159 0.004 320	-0.112 0.046 320	-0.128 0.022 320	-0.042 0.454 320	-0.121 0.030 320	-0.044 0.435 320	0.209 0.000 320
MP13K22 Mean of Did tc tease anyone?	0.127 0.022 321	0.031 0.581 321	0.053 0.343 321	0.007 0.900 321	0.150 0.007 321	-0.058 0.299 321	0.121 0.030 321	0.072 0.199 321
MP13K23 Mean of Did tc hit brothers or sisters?	0.050 0.379 313	0.010 0.864 313	0.041 0.468 313	0.062 0.276 313	0.039 0.490 313	-0.048 0.400 313	-0.044 0.436 313	-0.066 0.245 313
MP13K24 Mean of Did tc show respect for family members?	0.022 0.689 321	-0.100 0.072 321	-0.066 0.240 321	-0.188 0.001 321	-0.094 0.092 321	-0.045 0.425 321	-0.014 0.803 321	0.331 0.000 321
MP13K25 Mean of Did tc tell a lie?	-0.002 0.977 321	0.176 0.002 321	0.149 0.008 321	0.274 0.000 321	0.062 0.268 321	0.065 0.246 321	-0.019 0.731 321	-0.274 0.000 321
MP13K26 Mean of Did tc take anything that didnt belong t	0.014 0.807 321	0.126 0.024 321	0.201 0.000 321	0.417 0.000 321	-0.027 0.636 321	0.111 0.048 321	-0.022 0.693 321	-0.115 0.039 321
MP13K27 Mean of Did tc disobey a parent?	0.107 0.054 322	0.233 0.000 322	0.216 0.000 322	0.325 0.000 322	0.054 0.332 321	0.038 0.503 321	-0.033 0.556 321	-0.216 0.000 321
MP13K28 Mean of Did tc follow family rules at home?	-0.050 0.371 322	-0.228 0.000 322	-0.257 0.000 322	-0.301 0.000 322	-0.074 0.187 321	0.006 0.911 321	-0.001 0.988 321	0.299 0.000 321
MP13K29r Mean of Reversed -Did tc purposely destroy property?	-0.014 0.796 321	-0.061 0.273 321	-0.125 0.025 321	-0.172 0.002 321	0.028 0.616 321	0.024 0.666 321	0.023 0.676 321	0.003 0.959 321
MP13K30 Mean of Did tc act jealous or demand attention?	0.045 0.422 321	0.054 0.332 321	0.171 0.002 321	0.178 0.001 321	0.101 0.070 321	-0.006 0.916 321	0.074 0.188 321	-0.100 0.074 321

Pearson Correlation Coefficients								
Prob > r under H0: Rho=0								
Number of Observations								
	MP13K32	MP13K33	MP13K34	MP13K35	MP13K36	MP13K37	MP13K38	MP13K39
MP13K31 Mean of Did tc volunteer to help w/a family chor	-0.072 0.197 321	-0.131 0.019 321	-0.099 0.078 321	-0.109 0.050 321	-0.121 0.031 321	0.012 0.830 321	-0.113 0.043 321	0.186 0.001 321
MP13K32 Mean of Did tc spend unsupervised time w/peers?	1.000 323	0.141 0.011 322	0.088 0.117 322	0.160 0.004 322	0.058 0.304 321	-0.024 0.669 321	0.036 0.520 321	0.140 0.012 322
MP13K33 Mean of Did tc use tobacco?	0.141 0.011 322	1.000 322	0.215 0.000 322	0.310 0.000 322	-0.026 0.641 321	0.088 0.115 321	-0.029 0.602 321	-0.147 0.009 321
MP13K34 Mean of Did tc use alcohol?	0.088 0.117 322	0.215 0.000 322	1.000 322	0.424 0.000 322	0.017 0.756 321	0.087 0.119 321	0.097 0.084 321	-0.134 0.016 321
MP13K35 Mean of Did tc use drugs?	0.160 0.004 322	0.310 0.000 322	0.424 0.000 322	1.000 322	0.108 0.053 321	0.144 0.010 321	0.050 0.369 321	-0.268 0.000 321
MP13K36 Mean of Did tc show signs of sadness/depression?	0.058 0.304 321	-0.026 0.641 321	0.017 0.756 321	0.108 0.053 321	1.000 321	0.075 0.180 321	0.523 0.000 321	-0.024 0.667 321
MP13K37 Mean of Did tc act shy or withdrawn?	-0.024 0.669 321	0.088 0.115 321	0.087 0.119 321	0.144 0.010 321	0.075 0.180 321	1.000 321	-0.012 0.829 321	-0.238 0.000 321
MP13K38 Mean of Did tc show signs of fearfulness/anxiety	0.036 0.520 321	-0.029 0.602 321	0.097 0.084 321	0.050 0.369 321	0.523 0.000 321	-0.012 0.829 321	1.000 321	0.005 0.927 321
MP13K39 Mean of Did tc talk about his/her activities?	0.140 0.012 322	-0.147 0.009 321	-0.134 0.016 321	-0.268 0.000 321	-0.024 0.667 321	-0.238 0.000 321	0.005 0.927 321	1.000 322
MP13K40 Mean of Did tc have sleeping problems?	-0.023 0.685 322	0.073 0.192 322	0.062 0.268 322	-0.002 0.977 322	0.198 0.000 321	0.396 0.000 321	0.136 0.015 321	-0.113 0.043 321
MP13K41 Mean of Did tc have eating problems?	-0.086 0.126 322	-0.029 0.602 322	0.137 0.014 322	-0.024 0.661 322	0.059 0.294 321	0.215 0.000 321	-0.027 0.625 321	-0.154 0.006 321
MP13K42 Mean of Did tc seem hyperactive/easily distracte	0.054 0.337 321	0.078 0.165 321	0.287 0.000 321	0.173 0.002 321	0.323 0.000 321	0.138 0.013 321	0.131 0.019 321	-0.100 0.072 321
MP13K43 Mean of Did tc participate in positive social ac	0.004 0.940 321	-0.186 0.001 321	-0.122 0.029 321	-0.154 0.006 321	-0.111 0.048 321	-0.126 0.024 321	-0.044 0.431 321	0.351 0.000 321
MP13K44 Mean of How accurate is information?	0.031 0.575 323	-0.063 0.257 322	-0.136 0.014 322	-0.035 0.527 322	-0.004 0.944 321	-0.070 0.208 321	-0.006 0.910 321	0.336 0.000 322

Pearson Correlation Coefficients					
Prob > r under H0: Rho=0					
Number of Observations					
	MP13K40	MP13K41	MP13K42	MP13K43	MP13K44
MP13K16 Mean of Did tc argue or talk back to an adult?	0.063 0.264 321	0.145 0.009 321	0.277 0.000 321	-0.143 0.010 321	-0.037 0.506 322
MP13K17 Mean of Did tc scream/yell/or shout at anyone?	0.096 0.087 321	0.040 0.476 321	0.311 0.000 321	-0.087 0.119 321	-0.126 0.024 322
MP13K18 Mean of Did tc swear at anyone?	0.000 1.000 321	-0.000 0.996 321	0.218 0.000 321	-0.165 0.003 321	-0.114 0.040 322
MP13K19 Mean of Did tc talk respectfully to an adult?	-0.099 0.078 321	-0.290 0.000 321	-0.030 0.590 321	0.097 0.084 321	0.341 0.000 322
MP13K20 Mean of Did tc physically fight with anyone?	0.142 0.011 321	-0.019 0.730 321	0.194 0.000 321	-0.038 0.502 321	-0.206 0.000 322
MP13K21 Mean of Did tc complete a household chore?	-0.038 0.495 321	-0.036 0.517 321	-0.152 0.007 320	0.222 0.000 321	0.142 0.011 321
MP13K22 Mean of Did tc tease anyone?	0.028 0.620 321	-0.014 0.808 321	0.125 0.025 321	0.019 0.729 321	-0.010 0.852 321
MP13K23 Mean of Did tc hit brothers or sisters?	0.020 0.727 313	-0.041 0.465 313	0.059 0.298 313	0.005 0.928 313	-0.148 0.009 313
MP13K24 Mean of Did tc show respect for family members?	-0.052 0.353 321	-0.077 0.166 321	-0.097 0.083 321	0.219 0.000 321	0.173 0.002 321
MP13K25 Mean of Did tc tell a lie?	0.020 0.722 321	0.199 0.000 321	0.213 0.000 321	-0.096 0.087 321	-0.133 0.017 321
MP13K26 Mean of Did tc take anything that didnt belong t	-0.029 0.603 322	-0.014 0.804 322	-0.027 0.636 321	-0.027 0.635 322	-0.014 0.799 322
MP13K27 Mean of Did tc disobey a parent?	0.043 0.437 323	0.073 0.189 323	0.159 0.004 321	-0.108 0.052 322	-0.047 0.398 323
MP13K28 Mean of Did tc follow family rules at home?	0.006 0.908 322	-0.093 0.095 322	-0.231 0.000 321	0.151 0.007 321	0.167 0.003 322
MP13K29r Mean of Reversed -Did tc purposely destroy property?	0.031 0.582 322	0.015 0.792 322	-0.027 0.631 321	0.023 0.677 322	-0.003 0.951 322
MP13K30 Mean of Did tc act jealous or demand attention?	0.158 0.005 321	0.031 0.580 321	0.330 0.000 321	-0.073 0.193 321	-0.074 0.187 321

Pearson Correlation Coefficients Prob > r under H0: Rho=0 Number of Observations					
	MP13K40	MP13K41	MP13K42	MP13K43	MP13K44
MP13K31 Mean of Did tc volunteer to help w/a family chor	-0.022 0.689 321	0.079 0.157 321	-0.096 0.087 321	0.234 0.000 321	-0.017 0.761 321
MP13K32 Mean of Did tc spend unsupervised time w/peers?	-0.023 0.685 322	-0.086 0.126 322	0.054 0.337 321	0.004 0.940 321	0.031 0.575 323
MP13K33 Mean of Did tc use tobacco?	0.073 0.192 322	-0.029 0.602 322	0.078 0.165 321	-0.186 0.001 321	-0.063 0.257 322
MP13K34 Mean of Did tc use alcohol?	0.062 0.268 322	0.137 0.014 322	0.287 0.000 321	-0.122 0.029 321	-0.136 0.014 322
MP13K35 Mean of Did tc use drugs?	-0.002 0.977 322	-0.024 0.661 322	0.173 0.002 321	-0.154 0.006 321	-0.035 0.527 322
MP13K36 Mean of Did tc show signs of sadness/depression?	0.198 0.000 321	0.059 0.294 321	0.323 0.000 321	-0.111 0.048 321	-0.004 0.944 321
MP13K37 Mean of Did tc act shy or withdrawn?	0.396 0.000 321	0.215 0.000 321	0.138 0.013 321	-0.126 0.024 321	-0.070 0.208 321
MP13K38 Mean of Did tc show signs of fearfulness/anxiety	0.136 0.015 321	-0.027 0.625 321	0.131 0.019 321	-0.044 0.431 321	-0.006 0.910 321
MP13K39 Mean of Did tc talk about his/her activities?	-0.113 0.043 321	-0.154 0.006 321	-0.100 0.072 321	0.351 0.000 321	0.336 0.000 322
MP13K40 Mean of Did tc have sleeping problems?	1.000 323	0.180 0.001 323	0.328 0.000 321	-0.085 0.128 322	-0.094 0.091 323
MP13K41 Mean of Did tc have eating problems?	0.180 0.001 323	1.000 323	0.088 0.115 321	-0.036 0.524 322	-0.264 0.000 323
MP13K42 Mean of Did tc seem hyperactive/easily distracte	0.328 0.000 321	0.088 0.115 321	1.000 321	-0.054 0.332 321	-0.195 0.000 321
MP13K43 Mean of Did tc participate in positive social ac	-0.085 0.128 322	-0.036 0.524 322	-0.054 0.332 321	1.000 322	0.146 0.009 322
MP13K44 Mean of How accurate is information?	-0.094 0.091 323	-0.264 0.000 323	-0.195 0.000 321	0.146 0.009 322	1.000 334

Appendix: Scoring Program
(Scoring program removed)