

## **Post-Intervention Ratings of Child and Parent Change (Grade 4+)**

*Grade 6/Year 7 Update*

### **FAST Track Project Technical Report Cari McCarty & Suzanne Doyle December 2000**

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#### **Citation**

##### *Instrument*

Conduct Problems Prevention Research Group. (1994). Post-Intervention Ratings of Child and Parent Change (Gr. 4+). [On-line]. Available: <http://www.fasttrackproject.org>

##### *Report*

McCarty, C.A. & Doyle, S.R. (2000). Post-Intervention Ratings of Child and Parent Change (Gr. 4+). (Technical Report) [On-line]. Available: <http://www.fasttrackproject.org>

#### **Data Sources**

*Raw:* p7t

*Scored:* pir7

#### **I. Scale Description**

The Post-Intervention Ratings of Child and Parent Change (Grade 4+) is a 25-item instrument that measures parent's perceptions of change of their own behavior and of their child's behavior. In the first 9 items, the parent is asked to rate the degree of behavior change of the target child, using a -3 to +3 scale (much worse, somewhat worse, a little worse, no change, a little improved, somewhat improved, much improved). In the following 16 items, the parent is asked to rate the change of his/her own behavior towards the target child, using the same -3 to +3 scale.

#### **II. Report Sample**

This technical report is based upon Year 7, Cohort 1 data, including both High-Risk Control and Normative samples. With missing cases excluded, the total N (including overlap) was 402, with 334 Normative and 139 High-Risk Control youth.

Parents of 61 youth (13% of cohort) were missing observations for the entire measure, including parents of 53 Normative youth (14%) and parents of 16 High-Risk Control youth (10%). The missing cases included 12 parents from the Durham site, 13 parents from Nashville, 12 parents from Pennsylvania, and 24 parents from Seattle. Data were missing for 26 girls and 35 boys. Ethnic breakdown for missing data was: 1 Asian, 25 Black, 2 Hispanic, 29 White, and 4 Other. In addition, 7 cases were missing responses for individual ratings.

### III. Scaling

Scaling was derived from the Technical Report generated on Grade 4 data. Each scale score was calculated by taking an average of the items comprising the scale if 50% or more of the item responses were available. The resulting scales, items that compose them, and internal consistencies (Cronbach's coefficient Alpha) are provided below.

	<u>Normative (n=334)</u>	<u>HRC (n =139)</u>
Child Behavior Change (Child Items 1-9)	.89	.87
Parent Behavior Change (Parent Items 1, 2, 5 –16)	.94	.93
Parent Social Cognition (Parent Items 3 & 4)	.81	.80

### IV. Differences Between Groups

A series of independent t-tests were conducted to assess differences between the Low Risk respondents (Normative sample excluding the overlapping High Risk Subjects, n = 263) and the High Risk Control sample (including 71 overlapping Normative youth, n = 139). Results indicated that there was a nonsignificant trend ( $p < .10$ ) for the High Risk Control respondents to have higher scores on the Parent Behavior Change and Parent Social Cognition scales (indicating more positive change) than the Low Risk respondents.

<u>PIRC Scale</u>	<u>DF</u>	<u>t Value</u>	<u>Pr &gt;  t </u>	<u>Low-Risk Mean (n=263)</u>	<u>High-Risk Mean (n=139)</u>
Child Behavior Change	400	-0.48	0.63	1.02	1.06
Parent Behavior Change	400	-1.84	0.07	1.14	1.32
Parent Social Cognition	399	-1.69	0.09	0.83	1.04

### V. Item and Scale Means and SD's

#### Post-Intervention Ratings of Change Items - Normative Sample

<u>Variable</u>	<u>Label</u>	<u>N</u>	<u>Mean</u>	<u>Std Dev</u>
P7TCH1	Your Child's Self-Esteem	334	1.275	1.248
P7TCH2	TC's Ability to Get Along w/oth Children	334	1.099	1.225
P7TCH3	TC's Ability to Get Along w/ Adults	334	1.012	1.333
P7TCH4	Your Child's Ability to Follow Rules	334	0.832	1.320
P7TCH5	Your Child's Self-Reliance	334	1.338	1.241
P7TCH6	Your Child's Ability to Read	332	1.482	1.220
P7TCH7	TC's Willingness to Follow Instructions	332	0.994	1.353
P7TCH8	TC's Ability to Stop or Calm Down	333	0.766	1.298
P7TCH9	How Much TC Fights w/ Other Children	334	0.524	1.200
P7TPA1	Your Ability to Increase TC's Pos/Behav.	334	1.347	1.093
P7TPA2	Your Ability to Decrease TC's Neg/Behav.	334	1.096	1.153
P7TPA3	Your Satisfaction w/being Parent to TC	334	1.228	1.314
P7TPA4	Difficulty in Parenting Your Child	334	0.578	1.296
P7TPA5	Your Ability to Stop/Calm Down wh. Upset	334	0.973	1.216
P7TPA6	Amount of Yelling at Your Child	334	0.895	1.227
P7TPA7	Amount of Praise You Give Your Child	334	1.452	1.221
P7TPA8	Your Ability to Clearly State Yr. Wishes	334	1.249	1.240
P7TPA9	Your Ability to Follow Through w/Inst'ns	334	1.096	1.214
P7TPA10	Your Ability to Punish Child Effectively	334	0.907	1.238

P7TPA11	How Well You & TC Get Along w/Each Other	332	1.286	1.344
P7TPA12	Abil to Communicate Generally w/Child	334	1.284	1.247
P7TPA13	Abil to Communicate abt Child's Friends	334	1.234	1.215
P7TPA14	Abil to Communicate abt School w/Child	334	1.407	1.279
P7TPA15	Abil to Communicate abt Sensitive Issues	334	1.482	1.266
P7TPA16	Abil to Effectively Supervise Child	334	1.177	1.446

Post-Intervention Ratings of Change Items - High-Risk Control Sample

Variable	Label	N	Mean	Std Dev
P7TCH1	Your Child's Self-Esteem	139	1.245	1.267
P7TCH2	TC's Ability to Get Along w/oth Children	139	1.223	1.186
P7TCH3	TC's Ability to Get Along w/ Adults	139	1.115	1.409
P7TCH4	Your Child's Ability to Follow Rules	139	0.856	1.457
P7TCH5	Your Child's Self-Reliance	139	1.273	1.334
P7TCH6	Your Child's Ability to Read	139	1.439	1.180
P7TCH7	TC's Willingness to Follow Instructions	139	1.000	1.489
P7TCH8	TC's Ability to Stop or Calm Down	138	0.725	1.387
P7TCH9	How Much TC Fights w/ Other Children	139	0.683	1.319
P7TPA1	Your Ability to Increase TC's Pos/Behav.	139	1.432	1.110
P7TPA2	Your Ability to Decrease TC's Neg/Behav.	139	1.101	1.157
P7TPA3	Your Satisfaction w/being Parent to TC	138	1.399	1.401
P7TPA4	Difficulty in Parenting Your Child	139	0.683	1.440
P7TPA5	Your Ability to Stop/Calm Down wh. Upset	139	1.129	1.256
P7TPA6	Amount of Yelling at Your Child	139	1.007	1.338
P7TPA7	Amount of Praise You Give Your Child	139	1.612	1.195
P7TPA8	Your Ability to Clearly State Yr. Wishes	139	1.489	1.206
P7TPA9	Your Ability to Follow Through w/Inst'ns	139	1.345	1.196
P7TPA10	Your Ability to Punish Child Effectively	139	1.050	1.293
P7TPA11	How Well You & TC Get Along w/Each Other	139	1.475	1.369
P7TPA12	Abil to Communicate Generally w/Child	139	1.403	1.220
P7TPA13	Abil to Communicate abt Child's Friends	139	1.266	1.305
P7TPA14	Abil to Communicate abt School w/Child	139	1.345	1.306
P7TPA15	Abil to Communicate abt Sensitive Issues	139	1.511	1.218
P7TPA16	Abil to Effectively Supervise Child	139	1.295	1.442

Scale Means

Scale	Normative Sample (n=334)		High Risk Control (n=139)	
	Mean	SD	Mean	SD
Child Behavior Change	1.04	0.923	1.06	.943
Parent Behavior Change	1.21	0.948	1.32	.910
Parent Social Cognition	0.90	1.175	1.04	1.30

## **VI. Scale Correlations**

Pearson Correlation Coefficients, Normative Sample above Diagonal (n=334), High Risk Controls below diagonal (n=139).

	<b>CBC</b>	<b>PBC</b>	<b>PSC</b>
<b>Child Behavior Change</b>	1.00	0.73	0.71
<b>Parent Behavior Change</b>	0.69	1.00	0.79
<b>Parent Social Cognition</b>	0.76	0.76	1.00