

Child Problem Behavior Checklist

Kindergarten/Year 1

Fast Track Project Technical Report

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Citations

Instruments

Achenbach, T. M., & Edelbrock, C. S. (1981). Behavioral problems and competencies reported by parents of normal and disturbed children aged four through sixteen. *Monographs of the Society for Research in Child Development (Serial No. 188)*, 46, 1-82.

Lochman, J. E., & Conduct Problems Prevention Research Group. (1995). Screening of child behavior problems for prevention at school entry. *Journal of Consulting and Clinical Psychology*, 63, 549-559.

Quay, H. C., & Peterson, D. R. (1987). *Manual for the Revised Behavior Problem Checklist*. Coral Gables, FL: University of Miami.

Reports

Rains, C. (2006). *Child Problem Behavior Checklist Kindergarten/Year 1* (Fast Track Project Technical Report) [On-line]. Available: <http://www.fasttrackproject.org/>

Maumary, A. (1995). *Child Problem Behavior Checklist* (Fast Track Project Technical Report). Durham, NC: Duke University.

Data Sources

Unscored: P1A

Scored: CPB1

I. Scale Description

The Child Problem Behavior Checklist is a 24-item measure that was generated from the Child Behavior Checklist (Achenbach & Edelbrock, 1981), the Revised Behavior Problem Checklist (Quay & Peterson, 1987) and other behavior checklists. Items tap child externalizing behavior problems. This measure is part of the parent screen administered to all children in their first year (see Lochman & Conduct Problems Prevention Research Group, 1995, for more detailed information on the screening measures and procedures). The items are coded on a 4-point scale that rate frequency of specific behaviors ("never", "almost never", "some times", "often").

II. Report Sample

These analyses were conducted with the first cohort on the high-risk sample (n=310) and on the normative sample (n=387, N=463 with overlap) from the first year of administration of this study. Eight students were missing the complete measure. Four were from the high-risk sample (all from Washington) and 4 were from the normative sample (all from Washington).

III. Scaling

A total score was computed as the mean of all the items, *Mean Child Problem Behavior Score*. A t-score is calculated for the *Mean Child Problem Behavior Score*. Finally, a *Derived T-Score* is calculated that sums the *Child Problem Behavior T-Score* and the *TOCA T-Score* (from the TOCA also administered in year 1).

Cronbach's alpha coefficient for the *Mean Child Problem Behavior Score* for the normative sample was 0.88 and for the high-risk sample was 0.76, indicating a high reliability for both samples.

IV. Differences Between Groups

T-tests conducted on the high-risk and normative (excluding the overlap) samples indicated significant differences between the samples for the *Mean Child Problem Behaviors Score*, the *Derived T-Score*, and the *Child Problem Behavior T-Score*. In all cases, the respondents from the high risk sample scored higher than the respondents from the normative sample.

Comparison of Means for Normative and High Risk for CPB Y1								
Variable	Label	Normative		Control		DF	t Value	Pr > t
		Mean	Std Dev	Mean	Std Dev			
CPB1MSC	MEAN CHILD PROBLEM BEHAVIORS	2.01	0.40	2.58	0.33	608	19.20	<.0001
CPB1TLT	DERIVED T-SCORE:T1ATOCAT+P1ACPBT	96.25	11.95	125.70	10.90	607	31.78	<.0001
CPB1TSC	CHILD PROBLEM BEHAVIOR T-SCORE	48.16	9.68	62.18	8.45	608	19.06	<.0001

T-tests conducted on the control and intervention samples indicated no significant differences between the samples for the *Mean Child Problem Behaviors Score*, the *Derived T-Score*, and the *Child Problem Behavior T-Score*. However, the *Child Problem Behavior T-Score* approached significance ($p = 0.09$), with the respondents from the intervention sample scoring higher than the respondents from the control sample.

Comparison of Means for Intervention and Control for CPB Y1								
Variable	Label	Intervention		Control		DF	t Value	Pr > t
		Mean	Std Dev	Mean	Std Dev			
CPB1MSC	MEAN CHILD PROBLEM BEHAVIORS	2.61	0.34	2.55	0.32	304	-1.62	0.1058
CPB1TLT	DERIVED T-SCORE:T1ATOCAT+P1ACPBT	126.02	11.28	125.39	10.55	304	-0.51	0.6133
CPB1TSC	CHILD PROBLEM BEHAVIOR T-SCORE	63.00	8.77	61.38	8.07	304	-1.68	0.0939

V. Recommendations for Use

It is recommended that the items be used as a summed, mean scale to serve as the parent portion of a multiple-gating screening procedure for child behavior problems. The items demonstrated good reliability

and the parent screen added to the effectiveness of the teacher screening in predicting to first grade problem behavior.

VI. Item and Scale Means and SD's

CPB Year 1, Items, Normative Sample

Variable	Label	N	Mean	Std Dev	Minimum	Maximum
P1A1	ARGUES	383	3.037	0.855	1.000	4.000
P1A2	DISOBEDIENT	383	2.645	0.859	1.000	4.000
P1A3	EASILY UPSET, ANNOYED, IRRITATED	383	2.906	0.872	1.000	4.000
P1A4	FIGHTS	383	1.945	0.915	1.000	4.000
P1A5	STUBBORN	383	2.990	0.927	1.000	4.000
P1A6	SETS FIRES	383	1.063	0.301	1.000	4.000
P1A7	BREAKS RULES	383	2.439	0.875	1.000	4.000
P1A8	TEASES OTHER CHILDREN	383	2.172	0.980	1.000	4.000
P1A9	WHINES & NAGS	383	2.804	0.987	1.000	4.000
P1A10	SWEARS	383	1.439	0.738	1.000	4.000
P1A11	DEMANDS EXCESS ATTENTION	382	2.487	1.064	1.000	4.000
P1A12	BULLY OTHER CHILDREN	382	1.537	0.789	1.000	4.000
P1A13	SNEAKY	383	2.449	0.964	1.000	4.000
P1A14	CRUEL TO ANIMALS	383	1.115	0.419	1.000	4.000
P1A15	YELLS AT OTHERS	383	2.520	0.903	1.000	4.000
P1A16	PHYSICALLY HARMS OTHER CHILDREN	383	1.392	0.677	1.000	4.000
P1A17	TALKS BACK, SASSES	383	2.559	0.955	1.000	4.000
P1A18	PURPOSELY BREAKS THINGS	383	1.379	0.727	1.000	4.000
P1A19	AGGRESSIVE TO ADULTS	383	1.619	0.907	1.000	4.000
P1A20	LIES	383	2.285	0.912	1.000	4.000
P1A21	TAKES OTHER'S THINGS	383	1.671	0.878	1.000	4.000
P1A22	DEFIANT TOWARDS ADULTS	383	1.799	0.897	1.000	4.000
P1A23	BLAMES OTHERS FOR MISBEHAVIOR	383	2.405	0.995	1.000	4.000
P1A24	TEMPER TANTRUMS	381	2.294	1.053	1.000	4.000

CPB Year 1, Scales, Normative Sample

Variable	Label	N	Mean	Std Dev	Minimum	Maximum
CPB1MSC	MEAN CHILD PROBLEM BEHAVIORS	383	2.123	0.448	1.000	3.458
CPB1TSC	CHILD PROBLEM BEHAVIOR T-SCORE	383	50.746	10.623	23.938	77.754
CPB1TLT	DERIVED T-SCORE:T1ATOCAT+P1ACPB	382	101.835	15.720	67.547	145.991

CPB Year 1, Items, Control Sample

Variable	Label	N	Mean	Std Dev	Minimum	Maximum
P1A1	ARGUES	155	3.387	0.751	1.000	4.000
P1A2	DISOBEDIENT	155	3.181	0.649	1.000	4.000
P1A3	EASILY UPSET, ANNOYED, IRRITATED	155	3.271	0.724	1.000	4.000
P1A4	FIGHTS	155	2.548	0.906	1.000	4.000
P1A5	STUBBORN	155	3.490	0.715	1.000	4.000
P1A6	SETS FIRES	155	1.077	0.370	1.000	4.000
P1A7	BREAKS RULES	155	2.910	0.706	1.000	4.000
P1A8	TEASES OTHER CHILDREN	155	2.606	0.922	1.000	4.000
P1A9	WHINES & NAGS	155	3.168	0.889	1.000	4.000
P1A10	SWEARS	155	1.684	0.836	1.000	4.000
P1A11	DEMANDS EXCESS ATTENTION	155	2.961	0.939	1.000	4.000
P1A12	BULLY OTHER CHILDREN	154	1.987	0.936	1.000	4.000
P1A13	SNEAKY	155	2.981	0.856	1.000	4.000
P1A14	CRUEL TO ANIMALS	155	1.219	0.550	1.000	4.000
P1A15	YELLS AT OTHERS	155	3.013	0.773	1.000	4.000
P1A16	PHYSICALLY HARMS OTHER CHILDREN	155	1.742	0.821	1.000	4.000
P1A17	TALKS BACK, SASSES	155	2.961	0.925	1.000	4.000
P1A18	PURPOSELY BREAKS THINGS	155	1.839	0.943	1.000	4.000
P1A19	AGGRESSIVE TO ADULTS	155	2.174	0.988	1.000	4.000
P1A20	LIES	155	2.761	0.806	1.000	4.000
P1A21	TAKES OTHER'S THINGS	155	2.116	0.918	1.000	4.000
P1A22	DEFIANT TOWARDS ADULTS	155	2.381	0.989	1.000	4.000
P1A23	BLAMES OTHERS FOR MISBEHAVIOR	155	3.006	0.826	1.000	4.000
P1A24	TEMPER TANTRUMS	155	2.658	1.016	1.000	4.000

CPB Year 1, Subscales, Control Sample

Variable	Label	N	Mean	Std Dev	Minimum	Maximum
CPB1MSC	MEAN CHILD PROBLEM BEHAVIORS	155	2.547	0.321	1.667	3.208
CPB1TSC	CHILD PROBLEM BEHAVIOR T-SCORE	155	61.383	8.074	38.847	82.794
CPB1TLT	DERIVED T-SCORE:T1ATOCAT+P1ACPBT	155	125.391	10.550	93.191	173.377

CPB Year 1, Items, Intervention Sample

Variable	Label	N	Mean	Std Dev	Minimum	Maximum
P1A1	ARGUES	151	3.384	0.747	1.000	4.000
P1A2	DISOBEDIENT	151	3.219	0.652	1.000	4.000
P1A3	EASILY UPSET, ANNOYED, IRRITATED	151	3.311	0.645	1.000	4.000
P1A4	FIGHTS	151	2.623	0.985	1.000	4.000
P1A5	STUBBORN	151	3.530	0.691	1.000	4.000
P1A6	SETS FIRES	151	1.146	0.453	1.000	4.000
P1A7	BREAKS RULES	151	3.185	0.687	1.000	4.000
P1A8	TEASES OTHER CHILDREN	151	2.629	0.963	1.000	4.000
P1A9	WHINES & NAGS	151	3.126	0.882	1.000	4.000
P1A10	SWEARS	151	1.960	0.965	1.000	4.000
P1A11	DEMANDS EXCESS ATTENTION	150	3.033	0.951	1.000	4.000
P1A12	BULLY OTHER CHILDREN	151	2.066	0.984	1.000	4.000
P1A13	SNEAKY	151	3.033	0.844	1.000	4.000
P1A14	CRUEL TO ANIMALS	150	1.320	0.617	1.000	3.000
P1A15	YELLS AT OTHERS	151	2.940	0.866	1.000	4.000
P1A16	PHYSICALLY HARMS OTHER CHILDREN	151	1.748	0.834	1.000	4.000
P1A17	TALKS BACK, SASSES	151	3.093	0.890	1.000	4.000
P1A18	PURPOSELY BREAKS THINGS	151	1.834	0.989	1.000	4.000
P1A19	AGGRESSIVE TO ADULTS	151	2.265	1.018	1.000	4.000
P1A20	LIES	151	2.868	0.754	1.000	4.000
P1A21	TAKES OTHER'S THINGS	151	2.205	0.961	1.000	4.000
P1A22	DEFIANT TOWARDS ADULTS	151	2.397	0.980	1.000	4.000
P1A23	BLAMES OTHERS FOR MISBEHAVIOR	151	2.940	0.933	1.000	4.000
P1A24	TEMPER TANTRUMS	151	2.728	1.089	1.000	4.000

CPB Year 1, Subscales, Intervention Sample

Variable	Label	N	Mean	Std Dev	Minimum	Maximum
CPB1MSC	MEAN CHILD PROBLEM BEHAVIORS	151	2.608	0.338	1.458	3.500
CPB1TSC	CHILD PROBLEM BEHAVIOR T-SCORE	151	63.001	8.766	36.074	84.002
CPB1TLT	DERIVED T-SCORE:T1ATOCAT+P1ACPBT	151	126.023	11.277	104.145	163.791

VII. Subscale Correlations

CPB Year 1, Subscales, Report Sample

Pearson Correlation Coefficients Prob > r under H0: Rho=0 Number of Observations			
	CPB1MSC	CPB1TSC	CPB1TLT
CPB1MSC MEAN CHILD PROBLEM BEHAVIORS	1.000 610	0.982 0.000 610	0.809 0.000 609
CPB1TSC CHILD PROBLEM BEHAVIOR T-SCORE	0.982 0.000 610	1.000 610	0.828 0.000 609
CPB1TLT DERIVED T-SCORE:T1ATOCAT+P1ACPBT	0.809 0.000 609	0.828 0.000 609	1.000 609