

**Chicago Longitudinal Study:
Social Emotional Mediators**

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CLS Social-Emotional Overview: The following report reviews the social-emotional mediators in the Chicago Longitudinal Study (CLS). Data sources include teacher reports of the following: students' social-emotional maturity (grades 1-6; e.g., "takes responsibility for actions," "interacts well with others," "is self-confident"); assertive social skills (grades 6, 7; e.g., "expresses ideas willingly," "comfortable as a leader"); peer social skills (grades 6, 7; "makes friends easily"); acting out behaviors (grades 6, 7; e.g., "disruptive in class"); problem behaviors (grades 6, 7; e.g., "difficulty following directions"); and frustration tolerance (grades 6, 7; e.g., "copes well with failure," "accepts things not going his/her way"). Student self-report data were gathered during grade 10 in the areas of depression, peer relations, and future optimism.

Indicators: Table 1 reports descriptive statistics and reveals the following: Children who attended CPC (Child Parent Center) programs and school-age program were rated by their teachers as having significantly higher scores in the domain of social-emotional maturity (grades 1-3 and grades 4-6) than students in the control group. The same is also true for teacher rating's of students' peer social skills and frustration tolerance. There were no significant differences between CPC and control groups on teacher reports of the following: social-emotional maturity (grade 1), peer social skills, acting out behavior, shy/anxious behavior, and problem behavior. In regard to student self-report measures, in grade 10, CPC students endorsed significantly fewer indicators of depression than non-CPC students. Females scored significantly more favorably than males in all domains except for grade 1 social-emotional maturity and negative peer relations.

Correlates: Table 2 reports correlations between select explanatory variables and seven social-emotional mediators. Three of the explanatory measures: family risk index, maternal high school completion, and public aid are significantly correlated with six of the social-emotional outcomes: social-emotional maturity (grades 1-3); social emotional maturity (grades 4-6); peer social skills (grades 6, 7); acting out behavior (grades 6, 7); shy/anxious behavior (grade 6, 7); and problem behavior (grade 6, 7). In addition, two of the measures, maternal employment and free lunch status, correlate significantly with five of the social-emotional outcomes: social-emotional maturity (grades 1-3); social emotional maturity (grades 4-6); peer social skills (grades 6, 7); shy/anxious behavior (grade 6, 7); and problem behavior (grade 6, 7).

Subgroup Comparisons:

Table 3 shows the mean ratings (by teachers) of students' social emotional maturity in the CLS sample as they vary by important background characteristics. Patterns are consistent within the dichotomized risk and protective factors, with the disadvantaged group scoring lower on the reading test. The largest differences are seen across the following variables: reading scores in grade 6 and 8 and retention.

Table 1 Social Emotional Mediators

	Total Sample		Boys	Girls	CPC Preschool		School-age program		CPC Extended Intervention		
	N	Mean			Any	None	Any	None	4-6 years	1-3 years	None
<i>Teacher Reports</i>											
Grade 1 Social/Emotional Maturity	1239	19.45	17.93	20.90	20.12	18.21	19.9**	18.7	20.7	18.5	18.5
Social /Emotional Maturity Grade 1-3	1229	19.2	17.9**	20.4	19.6**	18.4	19.6**	18.6	20.2	18.4	18.6
Social/Emotional Maturity Grade 4-6	870	18.9	17.6**	20.2	19.3**	18.2	19.4**	18.2	19.8	18.4	18.2
Assertive Social Skills Grades 6,7	1046	15.5	15.0**	16.0	15.7	15.2	15.7	15.3	16.0	15.1	15.4
Peer Social Skills Grades 6, 7	1041	16.8	16.2**	17.4	17.0*	16.4	17.0	16.6	17.3	16.6	16.4
Acting Out Behavior Grades 6, 7	1049	12.5	14.2**	10.9	12.2	13.1	12.5	12.7	12.0	13.0	12.7
Shy/Anxious Behavior Grades 6, 7	1038	9.9	10.1*	9.6	9.9	9.9	9.8	9.9	9.7	10.1	9.7
Problem Behavior Grades 6, 7	1021	14.8	17.0**	12.6	14.6	15.4	14.5	15.3	14.2	15.6	14.8
Frustration Tolerance Grades 6, 7	1051	14.3	13.3**	15.2	14.5*	13.9	14.4	14.2	14.7	13.9	14.2
<i>Student Self-Reports</i>											
Depression Grade 10 (endorsed 1 or more items)	851	0.49	0.44**	0.53	0.46*	0.55	0.48	0.5	0.46	0.48	0.54
Negative Peer Relations Grade 10	823	0.7	0.7	0.8	0.7	0.7	0.8	0.7	0.7	0.8	0.6
Positive Peer Relations Grade 10	823	3.1	2.9**	3.3	3.1	3.0	20.2	19.7	3.1	3.2	3.0
Future Optimism Grade 10	822	20.0	19.6*	20.2	20.1	19.6	3.1	3.1	20.4	19.6	19.7

Table 2 Correlation Matrix

Variable	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1. Family risk index															
2. Single parent status	.45**														
3. Mother is less than 18	.40**	.23**													
4. Mother did not completed HS	.55**	.12**	.34**												
5. Mother not employed	.69**	.18**	.07*	.18**											
6. 4 or more children in household	.12**	-.22**	-.20**	.06*	.00										
7. TANF/AFDC participation	.72**	.25**	.11**	.20**	.67**	-.05									
8. Eligible for free lunch	.54**	.12**	.06*	.16**	.33**	.02	.40**								
9. 60% or greater poverty in school attendance area	.32**	.07*	-.02	.04	.09**	.04	.08**	.06*							
10. Social/Emotional Maturity Grade 1-3	-.14**	-.03	-.06*	-.14**	-.08**	-.01	-.10**	-.07*	-.01						
11. Social/Emotional Maturity Grade 4-6	-.15**	-.05	-.02	-.14**	-.10**	-.03	-.11**	-.10**	-.02	.60**					
12. Peer Social Skills Grade 6, 7	-.12**	-.04	.03	-.13**	-.12**	-.03	-.13**	-.08*	.04	.37**	.53**				
13. Acting Out Behavior Grade 6, 7	.11**	.06*	.02	.11**	.05	-.01	.12**	.05	.01	-.34**	-.50**	-.52**			
14. Shy/Anxious Behavior Grade 6, 7	.10**	.04	-.01	.07*	.07*	.01	.09**	.11**	.00	-.24**	-.38**	-.46**	.33**		
15. Problem Behavior Grade 6, 7	.14**	-.05	.02	.12**	.07*	.02	.13**	.10**	.04	-.52**	-.66**	-.54**	.66**	.52**	
16. Depression Grade 10	.00	.05	.01	.03	-.06	-.02	.02	.01	.01	.02	-.05	-.10**	-.34**	.00	.00

Table 3. Proportions of CLS Sample with Social/Emotional Maturity Grade 1-6

Factor Age 0-3	Total Sample N=1454	Mean	Gender		CPC Preschool		School Age		CPC Extended Intervention		
			Males	Females	Any	None	Any	None	4 to 6	1 to 4	0
Black	1357	18.8	17.5	20.1	19.2	18.1	19.2	18.2	19.7	18.3	18.2
Other	97	20.8	19.1	22.7	22.2	18.4	22.0	19.2	22.7	20.8	18.5
Male	720	17.6	--	--	18.1	16.8	18.0	17.0	18.6	17.2	16.9
Female	734	20.3	--	--	20.6	19.6	20.8	19.5	21.1	19.7	19.6
Single-Parent Family	1073	18.8	17.6	20.0	19.2	18.1	19.3	18.2	19.8	18.2	18.2
Other Family Structure	309	19.2	17.8	20.6	19.7	18.3	19.7	18.6	20.2	18.8	18.3
Mother Not H.S. Graduate	761	18.3	16.9	19.6	18.7	17.5	18.7	17.6	19.1	18.0	17.6
Mother H.S. Graduate	606	19.7	18.4	20.9	19.9	19.1	20.0	19.1	20.7	18.7	19.2
Mother Not Employed FT/PT	835	18.7	17.3	19.8	19.0	17.9	19.0	18.2	19.5	18.1	18.2
Mother Employed FT/PT	464	19.5	18.2	20.9	20.1	18.5	20.2	18.4	20.8	18.9	18.2
Mother Teen Parent < 18	242	18.4	17.0	20.0	18.7	17.8	19.1	17.4	19.6	17.9	17.5
Mother Not Teen Parent < 18	1122	19.0	17.7	20.2	19.4	18.2	19.4	18.4	19.9	18.4	18.4
Four or More Children	242	18.7	17.4	19.8	18.9	18.3	19.0	18.3	19.4	18.1	18.4
Less Than Four Children	1118	18.9	17.6	20.2	19.4	18.1	19.4	18.2	19.9	18.3	18.1
Free/Reduced Lunch	1184	18.8	17.3	20.1	19.2	18.1	19.2	18.2	19.7	18.3	18.1
No Free/Reduced Lunch	223	19.7	18.9	20.6	20.4	18.3	20.1	19.0	20.9	19.0	18.6
60% K School Poverty	1101	18.9	17.5	20.2	19.4	18.0	19.5	18.1	19.9	18.5	17.9
< 60% K School Poverty	337	19.0	17.9	20.3	19.4	18.5	19.1	19.0	20.0	18.0	19.1
AFDC Receipt	887	18.6	17.1	19.9	18.9	17.9	18.9	18.1	19.3	18.1	18.1
No AFDC Receipt	511	19.6	18.4	20.9	20.2	18.5	20.3	18.6	20.9	19.0	18.3
Four or More Risks	1059	18.7	17.3	19.9	19.1	17.9	19.1	18.1	19.6	18.2	18.0
Less Than Four Risks	395	19.6	18.3	21.2	20.1	18.7	20.3	18.8	20.7	19.1	18.7
ITBS6 Read < 88 norms	588	16.7	16.0	17.7	16.9	16.4	16.9	16.5	17.1	16.6	16.4
ITBS6 Read ≥ 88 norms	617	21.2	20.1	22.0	21.4	20.9	21.5	20.8	21.7	20.6	21.0
ITBS8 Read < 88 norms	663	16.7	15.9	17.7	17.0	16.2	17.0	16.3	17.3	16.5	16.3
ITBS8 Read ≥ 88 norms	676	21.2	19.9	22.1	21.3	20.8	21.4	20.8	21.6	20.7	20.9
School mobility (age 4-8), ≥ 3	127	16.9	15.8	18.4	17.5	16.4	17.1	16.7	18.8	16.1	16.8
School mobility (age 4-8), < 3	1223	19.1	17.8	20.3	19.5	18.4	19.5	18.5	19.9	18.6	18.5
Retained ≥ 1 grade	389	16.0	15.3	17.2	16.2	15.7	15.9	16.0	15.8	16.1	16.0
Not retained	1065	20.0	18.8	21.0	20.4	19.4	20.4	19.4	20.9	19.4	19.5
Child welfare case history	57	18.5	16.9	19.8	20.0	16.6	18.9	17.9	19.9	18.9	16.4
No child welfare case history	1328	18.9	17.6	20.2	19.4	18.2	19.4	18.3	19.9	18.3	18.2