

Chicago Longitudinal Study
Summary Report on Employment and Income

February, 2005

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Employment and Income

Indicators of Employment and Income

The Chicago Longitudinal Study (CLS) has collected data regarding employment and income through administrative records and self-report. Employment information from the fourth quarter of 1995 to the first quarter of 2004 was obtained from State of Illinois Department of Employment Security. Self-report employment information was obtained through the age 22-24 adult survey. Indicators that combined both sources, administrative records and self-report information, are also reported. The indicators include quarterly incomes since age 21 and employment status. The sample sizes vary.

Descriptive Statistics

The descriptive statistics of employment and income indicators are shown in Table 1. Since age 22, 66.2% of the sample has reported income, 36.6% of the sample reported quarterly income greater than \$3,000. The overall mean of the maximum annual income using administrative records and self-report since age 22 is \$13,579. Table 1 also shows descriptive statistics by the following subgroups: gender, CPC preschool participation, school-age program participation, and extent of participation. The CPC preschool group has higher income than the comparison group, but the difference is not statistically significant.

Indicators Correlations

The correlations between major indicators and explanatory variables are listed in Table 2. Explanatory variables examined in this report include child demographics, family characteristics, neighborhood characteristics, family experiences, school performance, school life, social adjustment, and school commitment. Income and employment variables are significantly correlated with ITBS word analysis, first grade classroom adjustment, number of years classroom adjustment above average, number of years of parent involvement above average, ITBS reading scores at 8th grade, school commitment, and expectation of attending college at .05 level.

Major Indicators by Demographic/Achievement Variables and Subgroups

Of the indicators of employment and income, ever attended college by August 2003 or reported income for at least 4 quarters since age 22, and maximum quarterly income equal or greater than \$3,000 since age 22, are used as major indicators for subgroup analyses. The proportions of the sample who ever attended college by August 2003 or reported income for at least 4 quarters since age 22 are shown by demographic, socioeconomic, early achievement variables (race, parent education, free lunch status, neighborhood poverty) and by subgroups (preschool participation, gender, and extent of participation) in Table 3a. The proportions of the sample whose maximum quarterly income equal or greater than \$3,000 since age 22 are compared by the same variables and subgroups in Table 3b.

Comparisons to Selected Samples

Mean earning for 18-24 years old for selected comparison groups are shown in Figures 1. The average earning of the CLS sample is higher than the overall black. The average earning of the CLS male is lower than the overall black male, but the average earning of the CLS female is higher than the overall black female.

Reference

U.S. Census Bureau, Current population survey, 2004 Annual social and economic supplement.

Table 1 Employment and Income since Age 21 in the Chicago Longitudinal Study

	N	Total Sample	Males	Females	CPC Preschool		School-age program		CPC Extended Intervention		
		Mean			Any	None	Any	None	4-6 years	1-3 years	None
Administrative data only											
Any quarterly income > \$0 since age 21 (2001)	1288	72.4	62.6**	81.6	72.8	71.8	72.2	72.7	72.9	72.1	72.2
Any quarterly income > \$2,000 since age 21 (2001)	1288	51.3	43.6**	58.5	53.0	48.2	51.0	51.7	54.0	48.7	51.0
Any quarterly income > \$0 since age 22 (2002)	1288	66.2	56.1**	75.5	67.1	64.4	65.2	67.5	66.7	65.7	65.8
Any quarterly income > \$2,000 since age 22 (2002)	1288	45.7	38.2**	52.7	46.9	43.5	44.4	47.6	48.0	42.6	46.8
Any quarterly income > \$3,000 since age 22 (2002)	1288	36.6	31.3**	41.5	38.1	33.6	36.6	36.5	39.2	34.5	35.4
Any quarterly income > \$4,000 since age 22 (2002)	1288	29.2	25.0**	33.1	30.1	27.6	29.5	28.8	31.5	27.0	28.8
Number of quarters income >\$0 since age 21 (2001)	1288	4.6	3.6**	5.5	4.8	4.3	4.5	4.6	4.8	4.4	4.6
Number of quarters income > \$2,000 since age 21 (2001)	1288	2.8	2.3**	3.3	3.0	2.6	2.8	2.9	3.1	2.6	2.8
Number of quarters income >\$0 since age 22 (2002)	1288	3.1	2.4**	3.7	3.2	2.9	3.0	3.1	3.2	2.9	3.1
Number of quarters income > \$2,000 since age 22 (2002)	1288	2.0	1.6**	2.3	2.0	1.9	1.9	2.0	2.1	1.7	2.0
Number of quarters income > \$3,000 since age 22 (2002)	1288	1.5	1.3**	1.7	1.6	1.4	1.5	1.6	1.7	1.4	1.6
Number of quarters income > \$4,000 since age 22 (2002)	1288	1.1	1.0*	1.2	1.2	1.0	1.1	1.1	1.2	1.0	1.2
Average quarterly income since age 21 in \$2003	933	2600	2702	2528	2638	2529	2642	2545	2754	2435	2600
Maximum quarterly income since age 21 in \$2003	933	4052	4114	4007	4129	3904	4141	3933	4280	3840	3999
Average quarterly income since age 22 in \$2003	852	2749	2878	2660	2776	2697	2793	2693	2915	2541	2792
Maximum quarterly income since age 22 in \$2003	852	3955	4025	3907	4024	3820	4044	3842	4219	3669	3956
LN Average quarterly income since age 21	933	7.44	7.42	7.45	7.47	7.37	7.47	7.40	7.54	7.33	7.43
LN Maximum quarterly income since age 21	933	7.88	7.82	7.92	7.92	7.80	7.92	7.83	7.98	7.78	7.85
LN Average quarterly income since age 22	852	7.47	7.44	7.49	7.51	7.41	7.48	7.47	7.57*	7.35	7.50
LN Maximum quarterly income since age 22	852	7.84	7.78	7.88	7.88	7.76	7.85	7.83	7.95*	7.71	7.86

	N	Total Sample	Males	Females	CPC Preschool		School-age program		CPC Extended Intervention		
		Mean			Any	None	Any	None	4-6 years	1-3 years	None
Self-report (adult survey)											
Annual income, in \$2003	1098	10742	10796	10697	11255*	9756	11015	10383	11582	10482	9782
Quarterly income, in \$2003	1098	2686	2699	2674	2814*	2439	2754	2596	2895	2621	2445
LN annual income	1098	8.84	8.79	8.88	8.90**	8.74	8.87	8.81	8.94*	8.80	8.75
If employed full-time, %	1142	39.1	36.8	41.1	40.5	36.5	40.2	37.8	43.2	35.5	38.3
If employed full or part-time, %	1142	55.7	50.0**	60.5	57.6	52.0	56.1	55.2	58.7	54.0	53.7
If currently in school or working, %	1142	58.8	53.1**	63.7	60.9*	54.9	59.2	58.4	61.8	57.5	56.2
Combined administrative and self-report											
Maximum annual income since age 22 (included adult survey), in \$2003	1249	13579	12866	14174	13770	13219	13873	13207	14584*	12494	13676
Maximum quarterly income since age 22 (included adult survey), in \$2003	1249	3395	3217	3544	3442	3305	3468	3302	3646*	3124	3419
If maximum quarterly income since age 22 ≥ \$3,000	1249	44.7	41.0*	47.7	45.8	42.6	44.9	44.4	47.4	42.2	44.3
If maximum quarterly income since age 22 ≥ \$4,000	1249	36.0	32.9*	38.5	36.6	34.7	36.8	34.9	39.0	33.0	35.8
LN maximum annual income since age 22 (included adult survey)	1249	9.02	8.90**	9.13	9.06	8.95	9.03	9.01	9.12*	8.91	9.04
LN Maximum quarterly income since age 22 (included adult survey)	1249	7.64	7.51**	7.74	7.68	7.56	7.65	7.63	7.74*	7.53	7.65
Ever attended college by August 2003 or reported at least 4 quarters income since age 22, %	1416	51.1	40.2**	61.7	53.4*	46.7	51.2	50.9	55.9*	47.0	50.0
Never attended college by August 2003 and never reported income since age 22, %	1416	23.1	30.7**	15.7	22.5	24.3	23.7	22.3	23.2	22.7	23.5

** p< .01 * p<.05

Table 2 Correlation Matrix for Measures of Employment and Income

Variable	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1. Family risk index (child's age 0-3)	--																			
2. Single parent status	.467*	--																		
3. Mother is less than 18	.395*	.234*	--																	
4. Mother did not completed HS	.560*	.118*	.331*	--																
5. Mother not employed	.698*	.188*	.073*	.189*	--															
6. 4 or more children in household	.116*	-	-	.041	-.003	--														
7. TANF/AFDC participation	.727*	.254*	.108*	.192*	.675*	-	--													
8. Eligible for free lunch	.555*	.136*	.063*	.158*	.352*	.008	.410*	--												
9. 60% or greater poverty in school attendance area	.322*	.045	-.017	.035	.085*	.015	.073*	.056*	--											
10. ITBS word analysis at kindergarten	-	-.027	-	-	-	-.020	-	-	-	--										
11. Classroom adjustment at first grade	.155*	.095*	.062*	.159*	.078*	-.021	-.089*	-.087*	.063*	-.014	--									
12. Number of years classroom adjustment above average	-.099*	-.034	-.019	-.095*	-.050	-.007	-.059*	.015	-.050*	.283*	.620*	--								
13. Number of years parent involvement above average	-.176*	.107*	-.051	.151*	.084*	.001	-.128*	-.025	-.091*	.246*	.359*	.606*	--							
14. ITBS reading scores at 8 th grade	-.229*	.087*	.058*	.178*	.145*	.060*	.144*	.175*	-.032	.438*	.525*	.514*	.386*	--						
15. School commitment	-.061*	-.042	.026	-.018	-.042	-.013	-.053	-.032	-.046	.174*	.298*	.335*	.214*	.326*	--					
16. If expected to go to college	-.068*	-.012	-.016	-.082*	-.046	-.012	-.048	-.057	.011	.158*	.181*	.169*	.129*	.238*	.141*	--				
17. Any quarterly income > \$3000 since age 22	-.137*	.087*	-.010	.075*	.104*	-.020	-.121*	-.049	-.035	.090*	.172*	.214*	.172*	.211*	.120*	.041	--			
18. Number of quarters income > \$3000 since age 22	-.108*	.090*	-.019	.082*	.058*	-.007	-.086*	-.017	-.036	.050	.132*	.201*	.123*	.186*	.097*	.031	.792*	--		
19. Log maximum quarterly income since age 22	-.126*	.091*	-.003	.107*	.069*	-.068*	.100*	.000	-.033	.098*	.167*	.209*	.187*	.255*	.122*	.031	.697*	.612*		
20. If Maximum quarterly income since age 22 > \$3,000	-.131*	.064*	-.029	.154*	-.046	-.015	.104*	.053*	-.027	.135*	.208*	.273*	.247*	.299*	.155*	.100*	.561*	.512*	.383*	
21. Ever attended college by August 2003 or reported at least 4 quarters income since age 22	-.128*	.077*	-.014	.089*	.093*	-.059*	.111*	-.016	-.027	.092*	.133*	.175*	.145*	.199*	.127*	.043	.898*	.699*	.742*	.438*

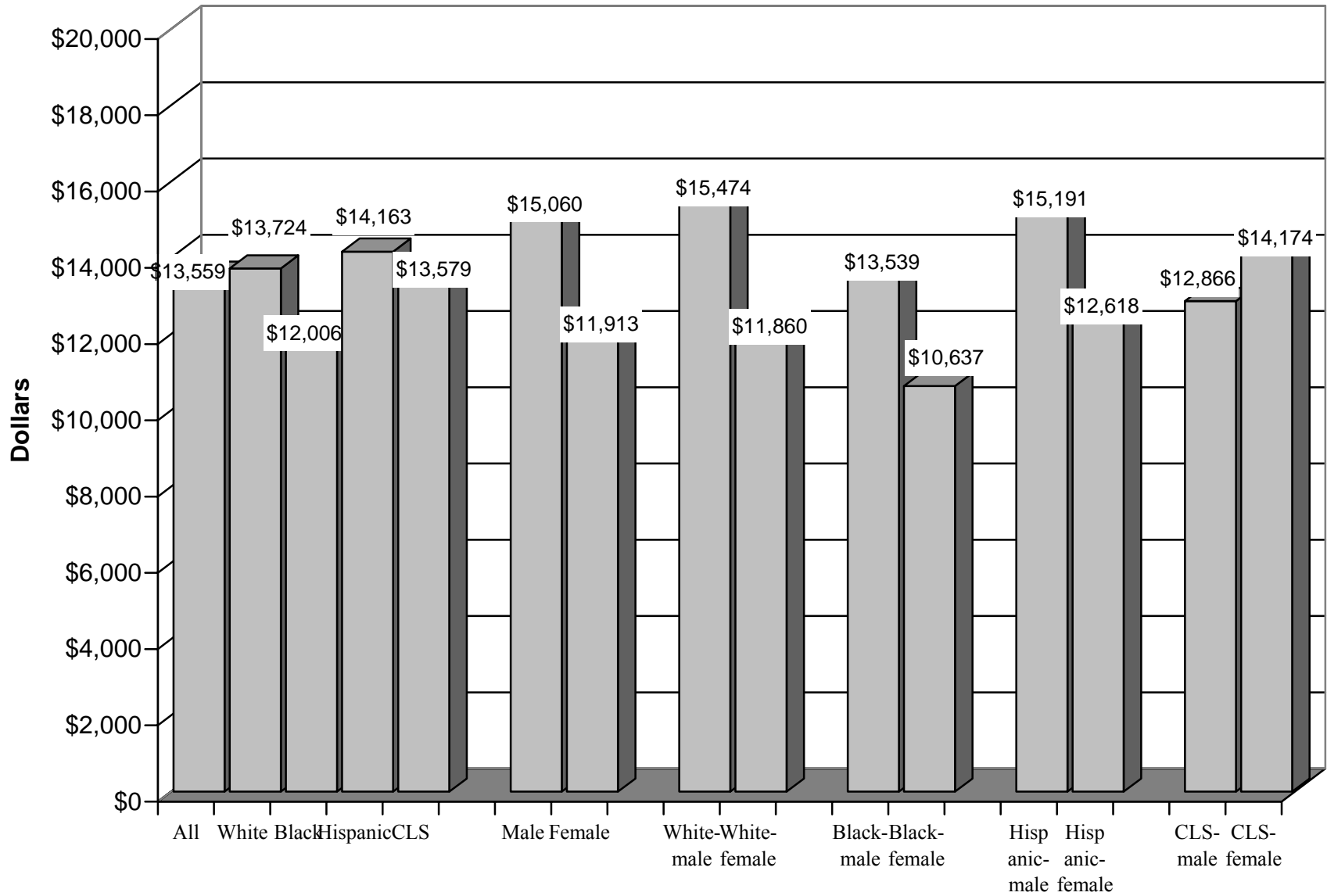
Table 3a. Proportions of CLS Sample who Attended College by August 2003 or Reported Income for at least 4 Quarters since Age 22

Factor Age 0-3	Total Sample N=1,416	Mean	Gender		CPC Preschool		School Age		CPC Extended Intervention		
			Males	Females	Any	None	Any	None	4 to 6	1 to 4	0
Black	1318	50.4	39.7	60.8	52.7	46.1	50.5	50.3	55.4	46.2	49.1
Other	98	60.2	47.2	75.6	63.5	52.3	62.0	58.3	62.9	59.4	58.1
Male	701	40.2	--	--	41.0	39.0	37.5	43.7	41.6	37.2	42.9
Female	715	61.7	--	--	64.8	55.3	64.3	58.2	68.4	57.4	57.0
Single-Parent Family	1045	49.4	37.7	60.6	52.1	44.4	49.5	49.2	54.5	45.3	47.6
Other Family Structure	327	56.9	48.8	64.9	58.4	54.2	57.7	55.9	61.5	52.5	56.6
Mother Not H.S. Complete	631	59.8	35.0	53.9	47.0	40.1	45.1	43.4	50.2	39.8	43.4
Mother H.S. Complete	735	44.4	46.7	72.0	60.9	57.1	58.9	61.0	62.9	55.9	60.1
Mother Not Employed FT/PT	477	54.9	38.3	60.7	53.3	43.9	50.7	49.4	54.9	47.1	47.5
Mother Employed FT/PT	819	50.2	45.2	64.8	55.9	53.3	53.4	56.9	58.5	49.4	56.4
Mother Teen Parent < 18	234	47.9	33.9	63.6	51.7	41.4	49.6	45.5	60.0	39.2	45.6
Mother Not Teen Parent < 18	1147	51.8	41.6	61.5	54.0	47.6	51.6	52.0	55.4	48.8	50.5
Four or More Children	238	49.6	40.2	57.3	48.3	51.7	45.4	54.6	50.6	43.2	57.1
Less Than Four Children	1134	51.5	40.4	62.7	54.6	45.6	52.6	50.0	57.3	47.8	48.2
Free/Reduced Lunch	1152	49.7	37.2	61.2	51.9	45.6	51.1	48.0	56.0	44.3	48.4
No Free/Reduced Lunch	238	56.7	51.2	63.3	60.8	50.0	51.2	63.6	55.0	59.7	55.7
60% K School Poverty	1070	50.3	39.6	60.2	53.5	43.9	51.9	48.2	55.4	48.9	44.4
< 60% K School Poverty	346	53.5	41.9	66.9	53.1	54.0	49.0	59.7	57.6	41.1	65.2
AFDC Receipt	863	46.9	34.4	58.6	49.9	41.3	48.3	45.0	52.1	44.5	42.3
No AFDC Receipt	524	57.6	48.3	67.1	59.3	54.7	55.9	59.8	62.1	50.6	60.1
Four or More Risks	1023	48.6	37.0	59.3	51.3	43.5	49.6	47.3	54.7	44.4	45.8
Less Than Four Risks	393	57.5	47.9	68.5	59.3	54.5	55.6	59.9	58.9	55.0	58.4
SEMAT16D < avg.	730	38.8	30.9	51.1	41.8	34.3	36.4	41.5	42.8	35.8	38.4
SEMAT16D ≥ avg.	653	64.5	57.2	68.6	64.8	63.8	65.6	62.6	66.4	61.8	64.3
ITBS6 Read < avg.	578	43.3	35.1	54.0	45.8	39.2	41.1	45.7	47.7	39.1	43.9
ITBS6 Read ≥ avg.	612	63.6	50.2	72.9	62.8	65.4	63.4	63.8	63.0	63.1	65.6
ITBS8 Read < avg.	651	37.5	29.4	47.9	39.5	34.5	36.1	69.1	42.8	33.1	37.9
ITBS8 Read ≥ avg.	659	65.4	53.6	73.9	65.1	66.2	64.6	66.8	64.6	64.7	68.4
School mobility (age 4-8), ≥ 3	124	34.7	21.1	52.8	37.0	32.9	30.8	37.5	38.1	30.6	37.0
School mobility (age 4-8), < 3	1202	53.3	42.1	63.7	54.8	50.3	53.2	53.5	56.8	49.2	53.6
Retained ≥ 1 grade	382	35.3	29.4	46.0	37.6	32.5	31.1	39.0	34.0	35.0	36.8
Not retained	1034	56.9	46.1	65.4	58.2	53.9	56.9	56.8	60.7	52.2	57.1
Child welfare case history	54	33.3	26.1	38.7	34.5	32.0	37.5	27.3	50.0	24.0	33.3
No child welfare case history	1308	52.0	40.2	63.6	54.3	47.7	52.0	52.0	56.1	48.2	51.1
Not expected to attend college	222	46.0	35.3	59.0	52.6	35.6	46.4	45.5	52.0	46.3	38.5
Expected to attend college	920	58.5	47.2	67.5	58.6	58.3	58.0	59.2	60.1	54.9	61.1
ITBS K Word analysis < avg.	732	46.2	35.8	57.6	49.4	41.9	46.3	46.1	53.6	40.9	45.4
ITBS K Word analysis ≥ avg.	679	56.7	46.0	65.9	56.9	56.1	55.4	59.0	57.5	54.2	59.8

Table 3b. Proportions of CLS Sample whose Maximum Quarterly Income Equal or Greater than \$3,000 since Age 22

Factor Age 0-3	Total Sample N=1,249	Mean	Gender		CPC Preschool		School Age		CPC Extended Intervention		
			Males	Females	Any	None	Any	None	4 to 6	1 to 4	0
Black	1161	42.8	38.6	46.3	43.9	40.8	43.0	42.6	45.2	41.2	41.6
Other	88	69.3	69.8	68.9	70.7	66.7	73.3	65.1	78.1	56.7	73.1
Male	569	41.0	--	--	41.9	39.4	40.1	42.0	44.3	36.4	43.4
Female	680	47.8	--	--	48.8	45.7	48.8	46.4	49.6	47.5	45.1
Single-Parent Family	915	42.4	38.1	45.9	43.6	40.3	42.3	42.6	45.0	39.7	42.4
Other Family Structure	302	51.3	49.3	53.2	52.3	49.5	52.7	49.6	55.8	47.0	51.4
Mother Not H.S. Complete	650	40.6	38.2	42.8	42.3	37.9	41.0	40.1	45.1	35.9	41.5
Mother H.S. Complete	563	49.6	44.2	53.8	49.4	50.0	49.4	49.8	50.2	48.8	49.6
Mother Not Employed FT/PT	708	40.8	36.3	44.1	43.7	34.8	41.9	39.3	44.8	39.3	36.2
Mother Employed FT/PT	421	50.6	46.5	54.3	49.6	52.3	50.6	50.5	51.5	48.2	52.1
Mother Teen Parent < 18	205	42.9	36.5	49.5	47.7	34.7	45.8	39.1	54.9	35.7	38.0
Mother Not Teen Parent < 18	1020	44.7	41.5	47.3	45.1	44.0	44.4	45.1	46.0	42.7	45.6
Four or More Children	219	39.3	34.0	43.2	43.0	33.3	42.2	35.9	48.7	33.8	34.4
Less Than Four Children	998	45.8	42.4	48.7	46.3	44.8	45.3	46.4	47.4	43.2	47.3
Free/Reduced Lunch	994	44.4	40.7	47.2	45.3	42.6	45.2	43.2	48.2	40.6	43.8
No Free/Reduced Lunch	209	46.4	44.4	48.5	49.3	41.3	44.0	49.5	43.2	51.4	44.8
60% K School Poverty	954	44.0	40.6	46.8	44.8	42.5	45.5	42.2	46.9	42.6	41.7
< 60% K School Poverty	295	46.8	42.0	51.3	49.2	43.0	43.1	51.6	49.1	40.7	51.9
AFDC Receipt	732	40.4	36.6	43.4	41.7	38.0	40.5	40.3	42.8	38.8	39.0
No AFDC Receipt	469	51.4	48.0	54.5	52.7	49.1	52.3	50.2	54.4	48.7	50.4
Four or More Risks	896	41.9	38.5	44.4	43.7	38.2	43.0	40.3	46.8	38.4	39.6
Less Than Four Risks	353	51.8	46.3	57.4	51.1	53.2	50.0	54.0	48.9	53.4	54.0
SEMAT16D < avg.	597	33.5	31.8	35.8	35.6	30.1	31.4	36.0	35.0	32.4	33.3
SEMAT16D ≥ avg.	606	55.5	56.3	55.0	55.0	56.5	56.8	53.3	56.3	54.6	54.8
ITBS6 Read < avg.	488	34.6	34.6	34.6	34.9	34.3	31.2	38.6	33.7	32.1	39.5
ITBS6 Read ≥ avg.	553	55.5	51.7	57.8	55.0	56.9	57.1	52.9	57.1	53.9	54.4
ITBS8 Read < avg.	528	35.2	34.4	36.1	34.7	36.1	32.5	38.3	34.9	32.4	39.9
ITBS8 Read ≥ avg.	605	53.6	50.2	55.7	54.6	51.1	54.3	52.3	55.3	52.8	50.7
School mobility (age 4-8), ≥ 3	89	29.2	23.9	34.9	29.3	29.2	25.0	32.1	33.3	22.2	34.2
School mobility (age 4-8), < 3	1058	46.3	43.2	48.8	47.1	44.7	46.4	46.1	48.1	44.2	46.2
Retained ≥ 1 grade	300	35.7	33.2	39.5	34.9	36.6	31.3	39.2	32.1	33.6	41.0
Not retained	949	47.5	44.6	49.6	48.6	45.2	48.1	46.6	50.4	45.2	45.9
Child welfare case history	48	27.1	33.3	23.3	34.6	18.2	31.0	21.1	42.9	19.1	22.1
No child welfare case history	1136	45.4	41.1	49.0	46.0	44.3	45.6	45.1	47.4	43.2	45.6
Not expected to attend college	191	41.9	43.3	40.4	42.4	40.9	38.4	45.7	40.9	43.1	41.7
Expected to attend college	821	47.9	42.8	51.5	47.9	47.8	48.9	46.4	50.2	44.2	49.2
ITBS K Word analysis < avg.	634	41.3	41.3	41.3	42.9	39.2	40.3	42.3	44.9	37.2	42.9
ITBS K Word analysis ≥ avg.	610	48.4	40.8	54.0	48.3	48.5	48.7	47.8	49.1	48.0	47.2

Figure 1. Mean Earning 18-24 Years old by Groups in 2003



Source: U.S. Census Bureau, Current population survey, 2004 Annual social and economic supplement.

Note. CLS's incomes are age 22-24, combined self-report and administrative record