

Table 5.2 1986, 1988 and 1990 Child Assessment Scores Available

	RAW SCORE			STANDARD SCORE			PERCENTILE SCORE		
	1990	1988	1986	1990	1988	1986	1990	1988	1986
Total HOME Score¹				E 9919	E 7919	E 5715	E 9916	E 7916	E 5712
0-2 Years	E 9900	E 7900	E 5700						
3-5 Years	E 9904	E 7904	E 5704						
6-9 Years	E 9908	E 7908	E 5708*						
10 & Over Years	E 9912	E 7912	E 5708*						
HOME Cognitive Stim. Score¹				E 9920	E 7920	E 5716	E 9917	E 7917	E 5713
0-2 Years	E 9902	E 7902	E 5702						
3-5 Years	E 9906	E 7906	E 5706						
6-9 Years	E 9910	E 7910	E 5710*						
10 & Over Years	E 9914	E 7914	E 5710*						
HOME Emotional Support Scale¹				E 9921	E 7921	E 5717	E 9918	E 7918	E 5714
0-2 Years	E 9903	E 7903	E 5703						
3-5 Years	E 9907	E 7907	E 5707						
6-9 Years	E 9911	E 7911	E 5711*						
10 & Over Years	E 9915	E 7915	E 5711*						
Temperament									
Activity	E 9922	E 7922	E 5718						
Predictability	E 9923	E 7923	E 5719						
Fearfulness	E 9924	E 7924	E 5720						
Positive Affect	E 9925	E 7925	E 5721						
Compliance	E 9926	E 7926	E 5722						
Insecure Attachment	E 9927	E 7927	E 5723						
Sociability	E 9928	E 7928	E 5724						
Difficulty Composite		E 7929	E 5725						
Difficulty Composite- Abbrev.	E 9929.10	E 7929.10	E 5725.10						
Neg. Hedonic Tone Composite	E 9930	E 7930	E 5726						
Friendliness Composite		E 7931	E 5727						
Friendliness - Abbrev.	E 9931.10	E 7931.10	E 5727.10						
Motor & Social Development	E 9932	E 7932	E 5728	E 9934	E 7934	E 5730	E 9933	E 7933	E 5729
Same Gender				E 9936	E 7936	E 5732	E 9935	E 7935	E 5731

Table 5.2 1986, 1988 and 1990 Assessment Scores Available (continued)

	RAW SCORE			STANDARD SCORE			PERCENTILE SCORE		
	1990	1988	1986	1990	1988	1986	1990	1988	1986
Behavior Problems	E 9937	E 7937	E 5733	E 9951	E 7951	E 5747	E 9944	E 7944	E 5740
Antisocial	E 9938	E 7938	E 5734	E 9952	E 7952	E 5748	E 9945	E 7945	E 5741
Anxious/Depressed	E 9939	E 7939	E 5735	E 9953	E 7953	E 5749	E 9946	E 7946	E 5742
Headstrong	E 9940	E 7940	E 5736	E 9954	E 7954	E 5750	E 9947	E 7947	E 5743
Hyperactive	E 9941	E 7941	E 5737	E 9955	E 7955	E 5751	E 9948	E 7948	E 5744
Dependent	E 9942	E 7942	E 5738	E 9956	E 7956	E 5752	E 9949	E 7949	E 5745
Peer Conflict	E 9943	E 7943	E 5739	E 9957	E 7957	E 5753	E 9950	E 7950	E 5746
Behavior Problems Same Gender				E 9965	E 7965	E 5761	E 9958	E 7958	E 5754
Antisocial				E 9966	E 7966	E 5762	E 9959	E 7959	E 5755
Anxious/Depressed				E 9967	E 7967	E 5763	E 9960	E 7960	E 5756
Headstrong				E 9968	E 7968	E 5764	E 9961	E 7961	E 5757
Hyperactive				E 9969	E 7969	E 5765	E 9962	E 7962	E 5758
Dependent				E 9970	E 7970	E 5766	E 9963	E 7963	E 5759
Peer Conflict				E 9971	E 7971	E 5767	E 9964	E 7964	E 5760
Body Parts¹		E 7972	E 5779		E 7975			E 7974	
Memory for Location¹		E 7976	E 5781		E 7979	E 5784		E 7978	E 5783
Verbal Memory									
A + B	E 9972	E 7980	E 5785	E 9974	E 7982	E 5787	E 9973	E 7981	E 5786
C	E 9975	E 7983	E 5788	E 9977	E 7985	E 5790	E 9976	E 7984	E 5789
Self Perception									
Scholastic	E 9978	E 7986	E 5791						
Self Worth	E 9980	E 7988	E 5793						
Digit Span	E 9982	E 7990	E 5795	E 9985	E 7993	E 5798			
Forward	E 9983	E 7991	E 5796						
Backward	E 9984	E 7992	E 5797						
PIAT Math	E 9986	E 7994	E 5799	E 9988	E 7996	E 5801	E 9987	E 7995	E 5800
PIAT Reading Recognition	E 9989	E 7997	E 5802	E 9991	E 7999	E 5804	E 9990	E 7998	E 5803
PIAT Reading Comprehension	E 9992	E 8000	E 5805	E 9994	E 8002	E 5807	E 9993	E 8001	E 5806
PPVT	E 9996	E 8004	E 5809	E 9997	E 8005	E 5810	E 9998	E 8006	E 5811

¹ Internal Norms provided

* 1986 HOME does not separate those over age 6 years into 6-9 and 10 and over categories

Table 5.3 1990 Child Assessment: Administration Pattern

	Mother Supplement (MS) or Child Supplement (CS) 1990
1. Assessments administered to All Age-Appropriate Children	
a) Motor and Social Development (under age 4)	MS
b) Temperament or "How My Child Acts" (under age 7)	MS
c) PIAT (all children age 5 and over)	CS
d) Self-Perception Profile for Children (SPPC) "What I Am Like" (age 8 and over)	CS
e) HOME (all children)	MS
f) Behavior Problems (age 4 and over)	MS
2. Assessments <u>ONLY</u> Given to Children who have become age eligible for the first time (i.e., no repeats) ¹	
a) Verbal Memory (age 4 thru 6)	CS
b) Digit Span (age 7 and over)	CS
c) PPVT (age 4 and over)	CS
3. Assessments Given to all Ten and Eleven-Year Olds (other than above)	
a) PPVT	CS
b) Digit Span	CS

¹ Includes age eligible non-completers in 1986 or 1988

Table 5.4 Race/Ethnicity of Children Assessed in 1986, 1988 and 1990 by Single Year of Age: Percents and Frequencies

Age of Child at 1990 Child Assessment Date	PERCENT DISTRIBUTION				FREQUENCIES			
	Hispanic	Black	White	Total	Hispanic	Black	White	Total
4 Years	17.5	33.2	49.3	100.0	37	70	104	211
5 Years	20.0	30.6	49.4	100.0	97	148	239	484
6 Years	21.4	32.9	45.6	100.0	91	140	194	425
7 Years	22.6	36.7	40.6	100.0	98	159	176	433
8 Years	28.5	33.8	37.7	100.0	123	146	163	432
9 Years	21.1	36.7	42.2	100.0	80	139	160	379
10 Years	18.9	41.3	39.8	100.0	66	144	139	349
11 Years	21.3	43.5	35.2	100.0	54	110	89	253
12 Years	21.8	46.1	32.1	100.0	42	89	62	193
13 Years	17.9	49.7	32.5	100.0	27	75	49	151
14 Years +	18.7	53.9	27.4	100.0	45	130	66	241
Total	21.4	38.0	40.6	100.0	760	1350	1441	3551

Table 5.5.1 The HOME: Components of Total HOME Score and Subscores, 1990

UNDER 3 YEARS			3 - 5 YEARS			6 - 9 YEARS			10 AND OVER		
Total	Cognitive Stimulation Subscore	Emotional Support Subscore	Total	Cognitive Stimulation Subscore	Emotional Support Subscore	Total	Cognitive Stimulation Subscore	Emotional Support Subscore	Total	Cognitive Stimulation Subscore	Emotional Support Subscore
MS900243	MS900243		MS900323	MS900323		MS900427	MS900427		MS900569	MS900569	
MS900245	MS900245		MS900325	MS900325		MS900429	MS900429		MS-Q2a,b,d,e (Rec)		MS-Q2a,b,d,e (Rec)
MS900247	MS900247		MS900327	MS900327		MS-Q3 a-d (Rec)		MS-Q3 a-d (Rec)	MS900615		MS900615
MS900249	MS900249		MS900329	MS900329		MS900439		MS900439	MS900621		MS900621
MS900251	MS900251		MS900331	MS900331		MS900441	MS900441		MS900623	MS900623	
MS900253	MS900253		MS900333	MS900333		MS900443	MS900443		MS900625	MS900625	
MS900255	MS900255		MS900335	MS900335		MS900445	MS900445		MS900627	MS900627	
MS900317		MS900317	MS900337	MS900337		MS900447	MS900447		MS900629	MS900629	
MS900319		MS900319	MS900341		MS900341	MS900449	MS900449		MS900631	MS900631	
MS900321		MS900321	MS900343		MS900343	MS900451	MS900451		MS900633	MS900633	
CS906113		CS906113	MS-Q8 (Rec)		MS-Q8 (Rec)	MS900453	MS900453		MS900635	MS900635	
CS906115		CS906115	MS900363	MS900363		MS900455		MS900455	MS900637		MS900637
CS906117		CS906117	MS900365	MS900365		MS900467		MS900467	MS900649		MS900649
CS906119		CS906119	MS900423		MS900423	MS900511		MS900511	MS900651		MS900651
CS906121		CS906121	MS900425		MS900425	MS900513		MS900513	MS900653		MS900653
CS906123	CS906123		CS906137		CS906137	MS900515	MS900515		MS900655	MS900655	
CS906125		CS906125	CS906139		CS906139	MS-Q21 (Rec)		MS-Q21 (Rec)	MS900659		MS900659
CS906127	CS906127		CS906141		CS906141	MS900553		MS900553	MS900729		MS900729
			CS906143		CS906143	CS906213		CS906213	CS906213		CS906213
			CS906145		CS906145	CS906215		CS906215	CS906215		CS906215
			CS906147		CS906147	CS906217		CS906217	CS906217		CS906217
			CS906149		CS906149	CS906219		CS906219	CS906219		CS906219
			CS906151	CS906151		CS906221		CS906221	CS906221		CS906221
			CS906153	CS906153		CS906223	CS906223		CS906223	CS906223	
			CS906155	CS906155		CS906225	CS906225		CS906225	CS906225	
			CS906157	CS906157		CS906227	CS906227		CS906227	CS906227	
			CS906229	CS906229		CS906229	CS906229				

Table 5.5.2 The HOME: Raw Scores by Child Age and Race/Ethnicity (1990 Sample Cases)

		0-9.9	10-12.9	13-15.9	16-18.9	19+	Valid	Total	% Valid
Age of Child									
Under 3 Years		78	219	536	348		1181	1328	88.9
3-5 Years		25	38	114	244	874	1295	1410	91.8
6-9 Years		25	92	208	371	974	1670	1769	94.4
10+ Years		12	75	158	309	659	1213	1296	93.6
Total		140	424	1016	1272	2507	5359	5803	92.3
Race of Child	Age of Child								
Hispanic	Under 3 Years	16	53	119	53		241	278	86.7
	3-5 Years	9	10	31	60	183	293	321	91.3
	6-9 Years	6	27	58	101	212	404	426	94.8
	10+ Years	4	16	30	72	132	254	279	91.0
	Total	35	106	238	286	527	1192	1304	91.4
Black	Under 3 Years	45	100	157	49		351	379	92.6
	3-5 Years	14	23	59	104	170	370	413	89.6
	6-9 Years	14	55	107	150	251	577	614	94.0
	10+ Years	8	49	109	165	223	554	588	94.2
	Total	81	227	432	468	644	1852	1994	92.9
White	Under 3 Years	17	66	260	246		589	671	87.8
	3-5 Years	2	5	24	80	521	632	676	93.5
	6-9 Years	5	10	43	120	511	689	729	94.5
	10+ Years		10	19	72	304	405	429	94.4
	Total	24	91	346	518	1336	2315	2505	92.4

Table 5.5.3 The HOME: Percentile Scores by Child Age and Race/Ethnicity (1990 Sample Cases)

		0	1-19	20-39	40-59	60-79	80-89	90-99	Valid	Total	% Valid
Age of Child											
Under 3 Years		40	216	301	203	219	145	59	1183	1331	88.9
3-5 Years		47	322	238	173	303	162	56	1301	1415	91.9
6-9 Years		37	387	352	212	389	164	119	1660	1759	94.4
10+ Years		21	312	216	211	243	131	74	1208	1291	93.6
Total		145	1237	1107	799	1154	602	308	5352	5796	92.3
Race of Child											
Hispanic	Age of Child										
	Under 3 Years	6	53	67	48	37	23	6	240	277	86.6
	3-5 Years	16	73	64	42	71	24	7	297	325	91.4
	6-9 Years	10	111	92	49	78	35	28	403	425	94.8
	10+ Years	6	61	51	41	52	23	17	251	276	90.9
	Total	38	298	274	180	238	105	58	1191	1303	91.4
Black	Under 3 Years	27	108	97	59	31	21	9	352	381	92.4
	3-5 Years	27	159	79	46	43	13	7	374	416	89.9
	6-9 Years	20	192	144	74	98	29	17	574	611	93.9
	10+ Years	14	209	107	94	88	29	11	552	586	94.2
	Total	88	668	427	273	260	92	44	1852	1994	92.9
White	Under 3 Years	7	55	137	96	151	101	44	591	673	87.8
	3-5 Years	4	90	95	85	189	125	42	630	674	93.5
	6-9 Years	7	84	116	89	213	100	74	683	723	94.5
	10+ Years	1	42	58	76	103	79	46	405	429	94.4
	Total	19	271	406	346	656	405	206	2309	2499	92.4

Table 5.5.4 The HOME: Standard Scores by Child Age and Race/Ethnicity (1990 Sample Cases)

		0-84	85-99	100-114	115+	Valid	Total	% Valid
Age of Child								
Under 3 Years		241	329	471	140	1181	1328	88.9
3 Years		279	364	563	89	1295	1410	91.8
6-9 Years		393	517	543	217	1670	1769	94.4
10+ Years		324	331	426	132	1213	1296	93.6
Total		1237	1541	2003	578	5359	5803	92.3
Race of Child	Age of Child							
Hispanic	Under 3 Years	58	69	92	22	241	278	86.7
	3-5 Years	72	90	115	16	293	321	91.3
	6-9 Years	110	135	111	48	404	426	94.8
	10+ Years	66	72	90	26	254	279	91.0
	Total	306	366	408	112	1192	1304	91.4
Black	Under 3 Years	128	111	92	20	351	379	92.6
	3-5 Years	138	134	91	7	370	413	89.6
	6-9 Years	201	200	142	34	577	614	94.0
	10+ Years	214	163	148	29	554	588	94.2
	Total	681	608	473	90	1852	1994	92.9
White	Under 3 Years	55	149	287	98	589	671	87.8
	3-5 Years	69	140	357	66	632	676	93.5
	6-9 Years	82	182	290	135	689	729	94.5
	10+ Years	44	96	188	77	405	429	94.4
	Total	250	567	1122	376	2315	2505	92.4

Table 5.5.5 The HOME: Cognitive Stimulation Percentile Scores by Child Age and Race/Ethnicity (1990 Sample Cases)

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		0	1-19	20-39	40-59	60-79	80-89	90-99	Valid	Total	% Valid
Age of Child											
Under 3 Years		11	259	199	129	344	57	126	1125	1141	98.6
3-5 Years		21	250	192	210	271	247		1191	1248	95.4
6-9 Years		14	336	361	236	365	167	92	1571	1633	96.2
10+ Years		15	320	151	192	196	154	127	1155	1192	96.9
Total		61	1165	903	767	1176	625	345	5042	5214	96.7
Race of Child	Age of Child										
Hispanic	Under 3 Years	5	73	50	20	63	5	16	232	235	98.7
	3-5 Years	7	72	55	40	51	38		263	277	94.9
	6-9 Years	3	109	81	58	71	32	19	373	394	94.7
	10+ Years	2	79	32	36	43	27	17	236	248	95.2
	Total	17	333	218	154	228	102	52	1104	1154	95.7
Black	Under 3 Years	6	103	67	37	70	6	29	318	324	98.1
	3-5 Years	12	107	59	56	60	33		327	343	95.3
	6-9 Years	8	149	140	74	111	38	18	538	557	96.6
	10+ Years	7	171	74	97	82	52	37	520	540	96.3
	Total	33	530	340	264	323	129	84	1703	1764	96.5
White	Under 3 Years		83	82	72	211	46	81	575	582	98.8
	3-5 Years	2	71	78	114	160	176		601	628	95.7
	6-9 Years	3	78	140	104	183	97	55	660	682	96.8
	10+ Years	6	70	45	59	71	75	73	399	404	98.8
	Total	11	302	345	349	625	394	209	2235	2296	97.3

Table 5.5.6 The HOME: Emotional Support Percentile Scores by Child Age and Race/Ethnicity (1990 Sample Cases)

		0	1-19	20-39	40-59	60-79	80-89	90-99	Valid	Total	% Valid
Age of Child											
Under 3 Years		12	219	167	85	300	142	46	971	1141	85.1
3-5 Years		11	277	206	219	243	137	52	1145	1248	91.7
6-9 Years		30	338	244	238	288	244	104	1486	1633	91.0
10+ Years		18	192	313	158	184	126	42	1033	1192	86.7
Total		71	1026	930	700	1015	649	244	4635	5214	88.9
Race of Child	Age of Child										
Hispanic	Under 3 Years	2	39	32	21	62	30	11	197	235	83.8
	3-5 Years	2	55	57	46	57	29	11	257	277	92.8
	6-9 Years	4	81	55	56	68	65	27	356	394	90.4
	10+ Years	2	33	61	33	44	26	17	216	248	87.1
	Total	10	208	205	156	231	150	66	1026	1154	88.9
Black	Under 3 Years	9	103	53	26	60	23	6	280	324	86.4
	3-5 Years	6	128	72	58	30	15	3	312	343	91.0
	6-9 Years	23	172	99	65	70	58	11	498	557	89.4
	10+ Years	14	139	153	63	50	33	5	457	540	84.6
	Total	52	542	377	212	210	129	25	1547	1764	87.7
White	Under 3 Years	1	77	82	38	178	89	29	494	582	84.9
	3-5 Years	3	94	77	115	156	93	38	576	628	91.7
	6-9 Years	3	85	90	117	150	121	66	632	682	92.7
	10+ Years	2	20	99	62	90	67	20	360	404	89.1
	Total	9	276	348	332	574	370	153	2062	2296	89.8

Table 5.5.7 The HOME: Standard Scores by Child Age and Race/Ethnicity (1990 Weighted Distribution)

		0-84	85-99	100-114	115+	Total	Mean	Std. Dev.
Age of Child								
Under 3 Years		14.5	26.5	44.8	14.2	100.0	100.0	15.0
3-5 Years		15.2	24.9	51.0	8.9	100.0	100.0	15.0
6-9 Years		17.2	28.7	37.8	16.3	100.0	100.0	15.0
10+ Years		18.9	26.1	40.5	14.4	100.0	100.0	15.0
Total		16.5	26.7	43.3	13.6	100.0	100.0	15.0
B								
Race of Child	Age of Child							
Hispanic	Under 3 Years	27.6	25.4	37.4	9.6	100.0	94.6	16.2
	3-5 Years	25.8	29.2	39.1	6.0	100.0	93.6	17.8
	6-9 Years	26.4	32.9	29.1	11.6	100.0	95.4	15.7
	10+ Years	23.5	28.2	37.8	10.5	100.0	96.9	15.9
	Total	25.8	29.4	35.2	9.7	100.0	95.2	16.4
Black	Under 3 Years	36.9	31.5	26.2	5.3	100.0	88.9	17.4
	3-5 Years	36.3	37.8	24.5	1.3	100.0	87.4	16.7
	6-9 Years	35.2	34.4	24.2	6.2	100.0	91.1	16.1
	10+ Years	38.0	29.3	27.4	5.3	100.0	91.6	15.2
	Total	36.6	32.9	25.6	4.8	100.0	90.1	16.3
White	Under 3 Years	9.3	25.7	48.8	16.2	100.0	102.5	13.3
	3-5 Years	10.3	22.1	57.0	10.6	100.0	102.9	12.8
	6-9 Years	11.6	26.7	42.3	19.4	100.0	102.8	13.6
	10+ Years	10.6	24.5	46.2	18.7	100.0	103.8	13.2
	Total	10.5	24.8	48.5	16.2	100.0	103.0	13.2

Table 5.5.8 The HOME: Percentile Scores by Child Age and Race/Ethnicity (1990 Weighted Distribution)

		1-19	20-39	40-59	60-79	80-89	90-99	Total	Mean	Std. Dev.
Age of Child										
Under 3 Years		13.8	25.1	17.0	22.7	15.3	6.1	100.0	53.2	27.7
3-5 Years		18.8	16.7	14.0	27.3	17.1	6.1	100.0	53.6	27.7
6-9 Years		17.8	19.5	12.9	28.3	12.4	9.0	100.0	52.7	28.5
10+ Years		18.8	16.6	18.3	23.0	14.6	8.8	100.0	52.1	29.0
Total		17.4	19.4	15.3	25.6	14.7	7.6	100.0	52.9	28.2
Race of Child	Age of Child									
Hispanic	Under 3 Years	26.6	25.2	20.8	15.1	8.8	3.5	100.0	43.0	28.8
	3-5 Years	26.5	22.9	13.8	25.2	8.3	3.4	100.0	44.3	27.7
	6-9 Years	27.1	24.1	11.5	22.0	8.5	6.9	100.0	43.6	29.4
	10+ Years	22.2	21.0	16.5	23.9	9.1	7.3	100.0	47.4	29.0
	Total	25.6	23.3	15.1	21.7	8.7	5.6	100.0	44.6	28.9
Black	Under 3 Years	33.7	29.9	18.6	8.6	6.5	2.6	100.0	35.0	27.2
	3-5 Years	43.7	25.0	14.2	12.6	3.0	1.4	100.0	32.0	24.5
	6-9 Years	35.0	26.2	12.4	18.0	4.9	3.4	100.0	36.7	27.8
	10+ Years	38.6	19.3	17.3	16.8	5.9	2.1	100.0	36.2	27.5
	Total	37.7	24.3	15.4	14.9	5.2	2.5	100.0	35.3	27.0
White	Under 3 Years	9.3	24.3	16.4	25.8	17.3	6.9	100.0	57.2	26.2
	3-5 Years	13.8	14.7	13.9	30.1	20.2	7.2	100.0	58.2	26.2
	6-9 Years	12.5	17.3	13.2	31.6	14.7	10.6	100.0	57.7	26.8
	10+ Years	10.5	14.9	18.9	25.3	18.8	11.6	100.0	59.0	26.9
	Total	11.7	17.8	15.3	28.6	17.6	9.0	100.0	57.9	26.5

Table 5.5.9 The HOME: Cognitive Stimulation Standard Scores by Child Age and Race/Ethnicity (1990 Weighted Distribution)

		0-84	85-99	100-114	115+	Total	Mean	Std. Dev.
Age of Child								
Under 3 Years		16.7	31.0	34.4	17.9	100.0	100.0	15.0
3-5 Years		14.0	18.8	60.4	6.9	100.0	100.0	15.0
6-9 Years		17.4	22.9	46.1	13.6	100.0	100.0	15.0
10+ Years		15.1	37.6	33.0	14.2	100.0	100.0	15.0
Total		15.9	27.1	44.0	13.1	100.0	100.0	15.0
Race of Child	Age of Child							
Hispanic	Under 3 Years	30.6	35.7	24.1	9.7	100.0	93.0	16.7
	3-5 Years	30.0	25.2	41.4	3.4	100.0	91.4	19.3
	6-9 Years	30.6	24.8	37.9	6.8	100.0	94.5	16.0
	10+ Years	21.7	41.2	29.6	7.5	100.0	95.9	15.0
	Total	28.2	31.2	33.7	6.8	100.0	93.9	16.8
Black	Under 3 Years	33.6	35.4	21.1	9.9	100.0	91.7	17.7
	3-5 Years	31.1	26.4	41.3	1.2	100.0	89.9	18.8
	6-9 Years	30.8	25.4	36.5	7.3	100.0	94.0	15.8
	10+ Years	22.1	44.5	26.5	6.8	100.0	95.1	15.3
	Total	28.6	33.5	31.5	6.4	100.0	93.1	16.7
White	Under 3 Years	12.4	29.8	37.7	20.1	100.0	102.1	13.5
	3-5 Years	9.3	16.8	65.6	8.2	100.0	102.7	12.5
	6-9 Years	12.5	22.0	49.5	16.0	100.0	102.2	14.1
	10+ Years	11.5	34.4	36.0	18.1	100.0	102.5	14.3
	Total	11.5	25.0	48.1	15.4	100.0	102.3	13.6

Table 5.5.10 The HOME: Cognitive Stimulation Percentile Scores by Child Age and Race/Ethnicity (1990 Weighted Distribution)

		0	1-19	20-39	40-59	60-79	80-89	90-99	Total	Mean	Std. Dev.
Age of Child											
Under 3 Years		0.4	18.8	15.1	12.3	33.6	6.7	13.2	100.0	53.0	28.6
3-5 Years		0.9	15.4	13.8	18.5	25.2	26.2		100.0	54.5	26.6
6-9 Years		0.7	15.9	22.2	15.5	25.5	13.0	7.3	100.0	52.5	28.6
10+ Years		1.3	22.3	12.4	16.3	17.4	16.1	14.3	100.0	52.3	29.2
Total		0.8	17.9	16.3	15.7	25.4	15.5	8.4	100.0	53.0	28.3
Race of Child	Age of Child										
Hispanic	Under 3 Years	1.9	34.5	19.3	9.7	23.5	2.1	8.9	100.0	39.7	29.7
	3-5 Years	2.9	27.6	21.1	14.0	19.5	14.9		100.0	41.9	28.7
	6-9 Years	0.6	29.4	22.4	14.8	19.2	9.4	4.2	100.0	42.0	29.5
	10+ Years	0.6	30.7	13.9	16.6	17.7	12.7	7.7	100.0	45.2	28.5
	Total	1.4	30.4	19.4	14.0	19.8	9.9	5.2	100.0	42.3	29.2
Black	Under 3 Years	1.8	32.8	20.0	11.7	22.4	2.1	9.2	100.0	39.9	29.5
	3-5 Years	3.2	31.7	17.7	19.2	19.2	9.0		100.0	38.9	27.4
	6-9 Years	1.7	27.2	25.4	14.1	20.8	6.8	4.0	100.0	41.7	28.6
	10+ Years	1.3	31.5	13.4	19.7	16.5	10.6	7.0	100.0	43.4	28.2
	Total	1.9	30.5	19.0	16.5	19.4	7.7	5.1	100.0	41.4	28.5
White	Under 3 Years		15.0	13.9	12.7	36.4	7.9	14.2	100.0	56.3	27.3
	3-5 Years	0.3	11.5	12.5	18.8	26.7	30.1		100.0	58.3	24.9
	6-9 Years	0.4	11.5	21.4	16.0	27.4	14.9	8.4	100.0	56.3	27.4
	10+ Years	1.3	17.6	11.8	15.0	17.6	18.6	18.0	100.0	56.6	28.7
	Total	0.5	13.6	15.4	15.7	27.4	17.9	9.5	100.0	56.9	27.0

Table 5.5.11 The HOME: Emotional Support Standard Scores by Child Age and Race/Ethnicity (1990 Weighted Distribution)

		0-84	85-99	100-114	115+	Total	Mean	Std. Dev.
Age of Child								
Under 3 Years		14.2	32.0	33.2	20.6	100.0	100.0	15.0
3-5 Years		14.4	23.5	42.7	19.4	100.0	100.0	15.0
6-9 Years		15.5	29.5	43.3	11.7	100.0	100.0	15.0
10+ Years		14.7	29.3	36.2	19.9	100.0	100.0	15.0
Total		14.8	28.4	39.4	17.4	100.0	100.0	15.0
Race of Child	Age of Child							
Hispanic	Under 3 Years	18.0	31.7	30.1	20.2	100.0	99.0	15.7
	3-5 Years	16.9	30.3	38.5	14.3	100.0	97.3	15.9
	6-9 Years	18.8	27.7	43.1	10.4	100.0	98.6	15.9
	10+ Years	16.0	28.6	35.4	20.0	100.0	99.7	15.8
	Total	17.5	29.3	37.7	15.5	100.0	98.6	15.8
Black	Under 3 Years	34.2	37.5	19.3	9.0	100.0	89.4	18.2
	3-5 Years	34.5	34.9	25.8	4.8	100.0	89.1	15.2
	6-9 Years	33.0	34.4	28.1	4.4	100.0	91.1	16.9
	10+ Years	35.7	32.4	23.5	8.4	100.0	90.8	16.2
	Total	34.4	34.4	24.7	6.5	100.0	90.3	16.6
White	Under 3 Years	10.2	31.0	36.0	22.7	100.0	102.1	13.4
	3-5 Years	10.6	20.8	46.1	22.5	100.0	102.2	14.0
	6-9 Years	10.8	28.5	47.1	13.7	100.0	102.3	13.5
	10+ Years	6.4	28.2	41.1	24.2	100.0	103.6	12.8
	Total	9.8	26.9	43.1	20.2	100.0	102.5	13.5

Table 5.5.12 The HOME: Emotional Support Percentile Scores by Child Age and Race/Ethnicity (1990 Weighted Distribution)

		0	1-19	20-39	40-59	60-79	80-89	90-99	Total	Mean	Std. Dev.
Age of Child											
Under 3 Years		0.7	18.9	17.6	7.8	33.9	15.8	5.2	100.0	53.2	28.1
3-5 Years		0.7	19.8	15.6	19.7	24.4	14.3	5.5	100.0	52.4	28.1
6-9 Years		1.2	18.0	15.3	17.4	21.7	17.8	8.4	100.0	52.6	28.4
10+ Years		1.3	12.9	29.3	15.8	20.7	15.6	4.5	100.0	52.2	29.0
Total		1.0	17.5	19.0	15.6	24.8	16.0	6.1	100.0	52.6	28.4
Race of Child	Age of Child										
Hispanic	Under 3 Years	1.3	21.5	15.6	10.5	30.6	15.5	5.1	100.0	51.0	29.3
	3-5 Years	0.6	21.2	22.5	17.3	23.5	10.6	4.3	100.0	48.5	27.5
	6-9 Years	1.3	22.4	13.9	18.0	18.1	19.1	7.2	100.0	50.2	29.5
	10+ Years	1.4	12.7	28.9	15.0	21.4	13.2	7.4	100.0	52.7	29.4
	Total	1.2	19.6	19.9	15.7	22.5	15.0	6.2	100.0	50.6	29.0
Black	Under 3 Years	3.4	37.3	19.8	8.5	21.0	7.7	2.2	100.0	36.8	28.3
	3-5 Years	1.9	41.1	23.8	18.1	9.9	4.3	0.8	100.0	32.7	24.8
	6-9 Years	4.4	34.7	20.0	13.1	14.1	11.5	2.1	100.0	37.1	28.6
	10+ Years	2.9	31.8	32.8	12.8	11.2	7.4	1.2	100.0	35.2	28.8
	Total	3.3	35.5	24.8	13.2	13.5	8.1	1.6	100.0	35.6	27.9
White	Under 3 Years	0.2	15.5	17.4	7.4	36.4	17.2	5.7	100.0	56.1	27.0
	3-5 Years	0.6	16.0	13.6	20.2	26.9	16.3	6.4	100.0	56.1	27.3
	6-9 Years	0.4	13.6	14.4	18.4	23.9	19.2	10.1	100.0	56.6	26.9
	10+ Years	0.7	5.8	28.1	17.0	24.2	19.0	5.3	100.0	58.6	26.4
	Total	0.5	13.2	17.5	16.1	27.6	17.9	7.2	100.0	56.7	26.9

Table 5.5.13 Reliability of the HOME, BPI and SPPC Assessment Scores, 1990

Assessment	Sample Size	No. of Items	Cronbach's Alpha
Home Observation for Measurement of the Environment (HOME)			
Age 1 month to 2 years, 11 months			
Total HOME	921	18	.55
Cognitive Stimulation	953	9	.50
Emotional Support	974	9	.35
Age 3 years to 5 years, 11 months			
Total HOME	904	26	.73
Cognitive Stimulation	1022	14	.72
Emotional Support	1124	12	.54
Age 6 years to 9 years, 11 months			
Total HOME	1403	27	.73
Cognitive Stimulation	1531	14	.67
Emotional Support	1487	13	.61
Age 10+ years			
Total HOME	983	27	.68
Cognitive Stimulation	1132	13	.62
Emotional Support	1026	14	.58
Behavioral Problems Index (BPI)			
Total - Never in school	497	26	.88
Total - Ever in school	3302	28	.88
Antisocial - Never in school	497	4	.57
Antisocial - Ever in school	3302	6	.67
Anxious	3970	5	.65
Headstrong	3975	5	.71
Hyperactive	3973	5	.69
Dependent	3990	4	.62
Peer Conflict	3993	3	.57
Self-Perception Profile for Children (SPPC)			
Global Self-Worth	1987	6	.67
Scholastic Competence	1999	6	.69

Table 5.5.14 The HOME: Within-Year Correlations with Other Assessments, 1990

	PIAT Mathematics	PIAT Reading Recognition	PIAT Reading Comprehension	Digit Span	S.P.P.C. Scholastic Competence	S.P.P.C. Global Self-Worth	PPVT	Verbal Memory
Total HOME Score								
All Children	.29	.30	.31	.21	.18	.19		
5-7 years ³	.32	.27	.25				.47	.21
8-9 years ²	.28	.36	.39	.19	.14	.22		
10-12 years ¹	.28	.29	.28	.23	.24	.22	.37	
13 years and Over	.25	.22	.23		.21	.08 ^a		
Cognitive Stimulation Subscore								
All Children	.25	.27	.29	.20	.18	.15		
5-7 years ³	.31	.27	.28				.40	.18
8-9 years ²	.22	.29	.33	.17	.11	.15		
10-12 years ¹	.23	.26	.27	.23	.27	.21	.29	
13 years and Over	.23	.21	.23		.18	.02 ^a		
Emotional Support Subscore								
All Children	.21	.20	.18	.15	.12	.17		
5-7 years ³	.17	.12	.08				.38	.17
8-9 years ²	.25	.29	.30	.12	.12	.22		
10-12 years ¹	.19	.19	.14	.14	.10	.16	.32	
13 years and Over	.19	.16	.18		.17	.11		

Note: ¹ Age 10-11 for Digit Span and PPVT

² Age 7-9 for Digit Span

³ Age 4 for PPVT and Verbal Memory

Table 5.5.15 The HOME: Within-Year Correlations, 1990

	Total HOME Score	Cognitive Stimulation Subscore	Emotional Support Subscore
Total HOME Score			
All Children	---	.83	.78
0-2 Years	---	.80	.77
3-5 Years	---	.84	.82
6-9 Years	---	.85	.76
10 Years and Over	---	.83	.77
Cognitive Stimulation Subscore			
All Children	.83	---	.33
0-2 Years	.80	---	.27
3-5 Years	.84	---	.41
6-9 Years	.85	---	.33
10 Years and Over	.83	---	.32
Emotional Support Subscore			
All Children	.78	.33	---
0-2 Years	.77	.27	---
3-5 Years	.82	.41	---
6-9 Years	.76	.33	---
10 Years and Over	.77	.32	---

Table 5.5.16 The HOME: Cross-Year Correlations

1986 HOME Scores	<u>TOTAL HOME SCORE</u>		<u>COGNITIVE STIMULATION SUBSCORE</u>		<u>EMOTIONAL SUPPORT SUBSCORE</u>	
	1988	1990	1988	1990	1988	1990
Total HOME Score						
All Children	.54	.45	.48	.41	.41	.32
0-2 Years	.45	.40	.41	.32	.34	.33
3-5 Years	.62	.51	.54	.49	.49	.32
6-9 Years	.59	.44	.52	.41	.43	.29
10 Years and Over	.59	.50	.46	.44	.51	.36
Cognitive Stimulation Subscore						
All Children	.46	.41	.46	.42	.29	.23
0-2 Years	.37	.37	.36	.22	.25	.26
3-5 Years	.54	.48	.54	.51	.36	.25
6-9 Years	.49	.39	.53	.45	.25	.16
10 Years and Over	.55	.40	.49	.37	.38	.27
Emotional Support Subscore						
All Children	.39	.30	.27	.21	.38	.28
0-2 Years	.35	.28	.27	.20	.31	.29
3-5 Years	.44	.32	.31	.25	.43	.26
6-9 Years	.42	.27	.25	.17	.44	.29
10 Years and Over	.33	.39	.17	.26	.39	.36

Table 5.5.17 HOME Cognitive Stimulation: Cross-Year Correlations with PIAT Assessments

Age in 1986	<u>PIAT MATHEMATICS</u>		<u>PIAT READING RECOGNITION</u>		<u>PIAT READING COMPREHENSION</u>	
	1988	1990	1988	1990	1988	1990
HOME Cognitive Stimulation 1986						
All Children	.24	.28	.22	.30	.22	.28
3-5 Years	.30	.36	.26	.38	.26	.37
6-9 Years	.16	.16	.14	.15	.14	.14
10 Years and Over	.29	.28	.27	.40	.30	.32

Table 5.5.18 HOME Emotional Support: Cross-Year Correlations with Behavior Problems Index

Age in 1986	<u>TOTAL BEHAVIOR PROBLEMS</u>		<u>ANTI- SOCIAL</u>		<u>ANXIOUS/ DEPRESSED</u>		<u>DEPENDENT</u>		<u>HEADSTRONG</u>		<u>HYPERACTIVE</u>		<u>PEER CONFLICT</u>	
	1988	1990	1988	1990	1988	1990	1988	1990	1988	1990	1988	1990	1988	1990
HOME Emotional Support 1986														
All Children	-.12	-.09	-.15	-.12	-.09	-.05	-.08	-.04 ^a	-.08	-.05	-.06	-.07	-.07	-.08
2-4 Years	-.14	-.13	-.15	-.16	-.09	-.07	-.08	-.09	-.11	-.09	-.05 ^a	-.12	-.08	-.06
5-7 Years	-.13	-.08	-.18	-.16	-.13	-.06 ^a	-.06	-.03 ^a	-.08	-.05 ^a	-.08	-.06 ^a	-.09	-.12
8-9 Years	-.11	-.07 ^a	-.13 ^a	-.01 ^a	-.02	-.05 ^a	-.12	---	-.04 ^a	-.05 ^a	-.12	-.08 ^a	-.04 ^a	-.11 ^a
10 Years and Over	.01 ^a	---	-.04 ^a	---	.02 ^a	---	---	---	.01 ^a	---	.02 ^a	---	-.04 ^a	---

Note: a = not significant at $p < .05$.

Table 5.6.1 Motor and Social Development: Percentile Scores by Child Age and Race/Ethnicity (1990 Sample Cases)

		0-19	20-39	40-59	60-79	80-89	90-99	Valid	Total	% Valid
Age of Child										
Under 1 Year		65	73	82	71	34	35	360	409	88.0
1 Year		64	57	92	87	51	47	398	457	87.1
2 Years		74	86	70	94	41	76	441	462	95.5
3 Years		97	88	105	49	55	8	402	435	92.4
Total		300	304	349	301	181	166	1601	1763	90.8
Race of Child	Age of Child									
Hispanic	Under 1 Year	13	18	15	13	6	7	72	80	90.0
	1 Year	15	13	24	17	3	7	79	94	84.0
	2 Years	30	20	11	18	3	16	98	104	94.2
	3 Years	35	24	18	9	12	2	100	105	95.2
	Total	93	75	68	57	24	32	349	383	91.1
Black	Under 1 Year	18	15	30	19	11	8	101	112	90.2
	1 Year	24	13	19	30	17	13	116	139	83.5
	2 Years	20	18	22	37	12	13	122	128	95.3
	3 Years	27	23	35	10	7	1	103	118	87.3
	Total	89	69	106	96	47	35	442	497	88.9
White	Under 1 Year	34	40	37	39	17	20	187	217	86.2
	1 Year	25	31	49	40	31	27	203	224	90.6
	2 Years	24	48	37	39	26	47	221	230	96.1
	3 Years	35	41	52	30	36	5	199	212	93.9
	Total	118	160	175	148	110	99	810	883	91.7

Table 5.6.2 Motor and Social Development: Percentile Scores for Female Children by Child Age and Race/Ethnicity (1990 Sample Cases)

		0-19	20-39	40-59	60-79	80-89	90-99	Valid	Total	% Valid
Age of Child										
Under 1 Year		33	33	26	29	23	20	164	183	89.6
1 Year		32	26	38	35	29	26	186	219	84.9
2 Years		42	36	37	37	30	20	202	214	94.4
3 Years		44	42	43	18	45		192	205	93.7
Total		151	137	144	119	127	66	744	821	90.6
Race of Child	Age of Child									
Hispanic	Under 1 Year	8	7	7	5	5	3	35	38	92.1
	1 Year	7	5	12	4	1	5	34	42	81.0
	2 Years	14	7	5	10	5	4	45	47	95.7
	3 Years	16	16	3	2	8		45	46	97.8
	Total	45	35	27	21	19	12	159	173	91.9
Black	Under 1 Year	9	4	7	10	7	3	40	44	90.9
	1 Year	13	8	7	16	13	6	63	76	82.9
	2 Years	14	6	15	15	6	4	60	64	93.8
	3 Years	12	10	19	3	6		50	56	89.3
	Total	48	28	48	44	32	13	213	240	88.8
White	Under 1 Year	16	22	12	14	11	14	89	101	88.1
	1 Year	12	13	19	15	15	15	89	101	88.1
	2 Years	14	23	17	12	19	12	97	103	94.2
	3 Years	16	16	21	13	31		97	103	94.2
	Total	58	74	69	54	76	41	372	408	91.2

Table 5.6.3 Motor and Social Development: Percentile Scores for Male Children by Child Age and Race/Ethnicity (1990 Sample Cases)

		0-19	20-39	40-59	60-79	80-89	90-99	Valid	Total	% Valid
Age of Child										
Under 1 Year		37	39	46	44	11	19	196	226	86.7
1 Year		26	40	46	55	26	19	212	238	89.1
2 Years		44	40	39	35	37	35	230	248	92.7
3 Years		55	36	50	32	18	9	200	230	87.0
Total		162	155	181	166	92	82	838	942	89.0
Race of child	Age of child									
Hispanic	Under 1 Year	6	10	7	8	2	4	37	42	88.1
	1 Year	5	12	11	13	2	2	45	52	86.5
	2 Years	19	12	4	5	4	6	50	57	87.7
	3 Years	19	9	10	8	5	3	54	59	91.5
	Total	49	43	32	34	13	15	186	210	88.6
Black	Under 1 Year	10	12	17	12	3	7	61	68	89.7
	1 Year	9	8	10	14	5	7	53	63	84.1
	2 Years	7	12	11	15	8	6	59	64	92.2
	3 Years	16	9	11	8	4	1	49	62	79.0
	Total	42	41	49	49	20	21	222	257	86.4
White	Under 1 Year	21	17	22	24	6	8	98	116	84.5
	1 Year	12	20	25	28	19	10	114	123	92.7
	2 Years	18	16	24	15	25	23	121	127	95.3
	3 Years	20	18	29	16	9	5	97	109	89.0
	Total	71	71	100	83	59	46	430	475	90.5

Table 5.6.4 Motor and Social Development: Percentile Scores by Child Age and Race/Ethnicity (1990 Weighted Distribution)

		0-19	20-39	40-59	60-79	80-89	90-99	Total	Mean	Std. Dev.
Age of Child										
Under 1 Year		19.0	19.3	21.2	20.8	9.5	10.1	100.0	51.2	28.1
1 Year		13.9	14.1	24.0	20.3	14.6	13.2	100.0	56.5	28.3
2 Years		13.1	20.6	17.1	19.5	10.5	19.2	100.0	56.0	28.8
3 Years		20.0	20.5	26.2	14.1	17.0	2.2	100.0	48.1	27.7
Total		16.4	18.6	22.0	18.7	12.9	11.4	100.0	53.0	28.5
Race of Child	Age of Child									
Hispanic	Under 1 Year	18.7	23.5	21.7	16.9	11.1	8.1	100.0	49.0	28.6
	1 Year	18.7	16.8	27.9	22.7	3.5	10.4	100.0	48.5	26.5
	2 Years	31.5	18.9	12.4	17.3	2.9	17.0	100.0	45.2	31.7
	3 Years	34.6	23.2	18.4	7.9	14.2	1.7	100.0	38.9	28.6
	Total	26.8	20.7	19.4	15.8	8.0	9.4	100.0	45.0	29.4
Black	Under 1 Year	19.0	12.2	29.7	21.2	11.1	6.9	100.0	51.4	27.3
	1 Year	19.4	13.2	15.1	25.0	15.6	11.7	100.0	55.7	30.1
	2 Years	17.0	13.1	20.0	29.7	9.5	10.7	100.0	53.8	27.4
	3 Years	26.0	20.3	33.0	10.2	9.5	1.0	100.0	41.1	26.6
	Total	20.3	14.7	24.1	21.8	11.4	7.7	100.0	50.7	28.5
White	Under 1 Year	19.1	20.1	19.8	21.1	9.1	10.8	100.0	51.3	28.2
	1 Year	12.5	14.0	25.2	19.3	15.3	13.7	100.0	57.3	28.1
	2 Years	10.7	22.0	17.1	18.1	11.4	20.8	100.0	57.4	28.5
	3 Years	17.5	20.2	25.9	15.4	18.5	2.4	100.0	50.2	27.4
	Total	14.8	19.1	22.0	18.4	13.6	12.2	100.0	54.2	28.2

Table 5.6.5 Motor and Social Development: Percentile Scores for Female Children by Child Age and Race/Ethnicity (1990 Weighted Distribution)

		0-19	20-39	40-59	60-79	80-89	90-99	Total	Mean	Std. Dev.
Age of Child										
Under 1 Year		19.8	20.6	14.7	17.2	13.2	14.5	100.0	53.5	29.4
1 Year		15.0	13.7	21.3	17.6	15.9	16.4	100.0	57.8	29.2
2 Years		16.7	21.6	17.8	15.4	17.4	11.1	100.0	54.2	30.0
3 Years		20.1	16.5	23.0	11.5	28.9		100.0	48.2	28.7
Total		17.9	18.1	19.3	15.4	19.0	10.3	100.0	53.4	29.5
Race of Child	Age of Child									
Hispanic	Under 1 Year	23.0	17.4	19.5	13.0	17.6	9.6	100.0	50.4	31.5
	1 Year	18.4	13.8	38.6	11.3	1.9	15.9	100.0	49.0	27.4
	2 Years	33.6	11.3	9.6	21.0	10.4	14.1	100.0	48.9	32.8
	3 Years	35.3	29.8	8.4	4.5	22.0		100.0	35.6	28.3
	Total	28.6	18.5	17.1	12.6	13.9	9.4	100.0	45.5	30.9
Black	Under 1 Year	22.3	8.8	15.7	27.8	18.4	7.0	100.0	56.8	27.7
	1 Year	20.1	14.1	11.0	23.3	20.0	11.5	100.0	56.1	30.0
	2 Years	23.4	11.5	23.3	25.5	10.0	6.4	100.0	50.0	29.2
	3 Years	26.0	20.8	35.7	6.0	11.6		100.0	37.7	24.1
	Total	22.8	13.8	20.9	20.9	15.0	6.6	100.0	50.4	29.0
White	Under 1 Year	19.1	22.6	14.2	16.1	12.0	16.0	100.0	53.4	29.4
	1 Year	13.7	13.6	22.3	16.9	16.0	17.5	100.0	58.7	29.0
	2 Years	13.7	24.5	17.6	13.0	19.5	11.7	100.0	55.5	29.7
	3 Years	17.7	14.5	22.5	13.1	32.2		100.0	51.0	28.7
	Total	16.0	18.8	19.2	14.7	20.2	11.1	100.0	54.6	29.4

Table 5.6.6 Motor and Social Development: Percentile Scores for Male Children by Child Age and Race/Ethnicity (1990 Weighted Distribution)

		0-19	20-39	40-59	60-79	80-89	90-99	Total	Mean	Std. Dev.
Age of Child										
Under 1 Year		21.3	17.5	23.4	23.6	6.1	8.1	100.0	49.1	27.5
1 Year		11.6	16.8	21.8	25.0	15.4	9.4	100.0	56.1	27.6
2 Years		16.0	15.4	19.3	13.4	18.3	17.6	100.0	58.4	28.4
3 Years		22.0	18.8	27.3	16.3	9.8	5.7	100.0	47.6	26.6
Total		17.5	17.0	22.8	19.4	12.8	10.5	100.0	53.2	27.9
Race of Child	Age of Child									
Hispanic	Under 1 Year	17.8	24.0	22.3	22.5	6.7	6.6	100.0	47.2	26.1
	1 Year	13.5	25.2	22.3	27.7	4.4	6.9	100.0	49.0	25.8
	2 Years	34.9	25.1	10.9	11.9	7.4	9.9	100.0	42.1	29.7
	3 Years	34.4	15.7	22.7	12.6	8.0	6.6	100.0	42.0	28.9
	Total	26.1	22.3	19.2	18.1	6.7	7.6	100.0	44.8	28.0
Black	Under 1 Year	17.6	17.9	29.7	20.7	4.0	10.1	100.0	48.3	27.5
	1 Year	15.3	17.2	17.1	26.0	10.7	13.7	100.0	55.0	30.0
	2 Years	11.6	19.3	19.1	25.3	14.6	10.3	100.0	56.5	26.1
	3 Years	29.3	17.3	18.5	18.4	8.5	8.0	100.0	45.1	28.9
	Total	18.3	18.0	21.2	22.6	9.4	10.5	100.0	51.2	28.5
White	Under 1 Year	22.3	16.9	22.3	24.2	6.4	7.9	100.0	49.4	27.6
	1 Year	10.9	16.0	22.4	24.6	17.0	9.1	100.0	56.8	27.3
	2 Years	14.9	13.9	20.2	11.9	19.9	19.3	100.0	60.3	28.1
	3 Years	19.4	19.5	29.3	16.4	10.2	5.3	100.0	48.7	25.8
	Total	16.5	16.4	23.3	19.0	13.9	10.8	100.0	54.3	27.7

Table 5.6.7 Motor and Social Development: Standard Scores by Child Age and Race/Ethnicity (1990 Weighted Distribution)

		0-84	85-99	100-114	115+	Total	Mean	Std. Dev.
Age of Child								
Under 1 Year		13.7	33.1	38.1	15.0	100.0	100.6	13.9
1 Year		10.7	26.9	38.0	24.4	100.0	103.3	14.5
2 Years		7.4	35.6	30.9	26.1	100.0	103.4	14.5
3 Years		16.2	29.7	35.3	18.8	100.0	98.5	13.7
Total		11.8	31.4	35.4	21.4	100.0	101.6	14.3
Race of Child	Age of Child							
Hispanic	Under 1 Year	15.7	29.6	44.2	10.6	100.0	99.2	15.0
	1 Year	14.5	42.9	29.6	12.9	100.0	99.2	13.9
	2 Years	21.8	32.5	28.1	17.5	100.0	98.0	15.9
	3 Years	27.6	35.3	21.3	15.9	100.0	94.3	14.1
	Total	20.5	34.8	30.1	14.6	100.0	97.5	14.9
Black	Under 1 Year	12.3	29.7	49.2	8.8	100.0	100.4	13.6
	1 Year	13.3	27.2	34.4	25.2	100.0	102.8	15.2
	2 Years	10.7	32.5	43.5	13.3	100.0	101.4	13.9
	3 Years	23.0	30.2	36.1	10.8	100.0	95.1	13.7
	Total	14.7	29.9	40.6	14.8	100.0	100.1	14.4
White	Under 1 Year	13.8	34.0	35.8	16.5	100.0	100.7	13.9
	1 Year	10.0	25.6	39.3	25.1	100.0	103.7	14.4
	2 Years	5.4	36.4	29.1	29.1	100.0	104.3	14.3
	3 Years	13.9	29.0	36.6	20.5	100.0	99.5	13.4
	Total	10.6	31.3	35.1	23.1	100.0	102.2	14.2

Table 5.6.8 Motor and Social Development: Standard Scores by Maternal Characteristics and Age of Child (1990 Weighted Distribution)

		0-84	85-99	100-114	115+	Total	Mean	Std. Dev.
Maternal Education	Age of Child							
< 12 Years	Under 1 Year	21.2	31.4	35.5	11.9	100.0	97.6	15.1
	1 Year	14.9	23.9	41.4	19.9	100.0	102.0	15.7
	2 Years	13.9	38.9	29.7	17.5	100.0	99.4	14.4
	3 Years	31.5	24.0	33.6	10.9	100.0	93.4	14.3
	Total	20.2	29.3	35.2	15.3	100.0	98.2	15.2
12 Years	Under 1 Year	15.0	25.3	43.2	16.5	100.0	102.1	13.7
	1 Year	8.9	31.3	36.4	23.4	100.0	102.9	15.1
	2 Years	6.8	30.9	36.4	25.9	100.0	103.2	16.3
	3 Years	16.1	29.0	38.3	16.6	100.0	98.3	13.8
	Total	11.4	29.5	38.1	21.0	100.0	101.6	15.0
13+ Years	Under 1 Year	11.2	37.7	36.0	15.1	100.0	100.5	13.7
	1 Year	12.0	24.8	36.1	27.1	100.0	102.8	17.7
	2 Years	6.5	38.1	26.6	28.8	100.0	104.2	14.9
	3 Years	9.6	33.1	32.6	24.7	100.0	101.1	12.8
	Total	9.8	33.7	32.8	23.6	100.0	102.2	15.0
Mother's Age at Birth of Child	Age of Child							
20-24 Years	1 Year	9.1	24.5	42.4	23.9	100.0	103.5	13.7
	2 Years	7.1	31.8	29.1	32.0	100.0	104.5	14.0
	3 Years	14.1	29.3	41.7	14.9	100.0	97.7	13.5
	Total	11.1	29.5	37.6	21.8	100.0	100.7	14.1
25-29 Years	Under 1 Year	13.6	33.1	39.6	13.7	100.0	100.1	14.1
	1 Year	11.4	28.6	36.8	23.2	100.0	102.1	17.0
	2 Years	7.3	36.3	29.8	26.6	100.0	103.2	16.4
	3 Years	15.9	29.1	32.5	22.6	100.0	99.7	13.6
	Total	11.8	31.9	34.4	21.9	100.0	101.4	15.5
Over 30 Years	Under 1 Year	14.8	32.0	36.0	17.2	100.0	101.3	13.8
	1 Year	11.5	24.9	36.2	27.3	100.0	104.0	15.3
	2 Years	10.6	35.9	42.1	11.4	100.0	100.1	12.3
	3 Years	37.0	46.6	16.4		100.0	89.6	14.3
	Total	13.8	30.8	36.3	19.0	100.0	101.6	14.4

Table 5.6.9 Motor and Social Development: Standard Scores for Female Children by Child Age and Race/Ethnicity (1990 Weighted Distribution)

		0-84	85-99	100-114	115+	Total	Mean	Std. Dev.
Age of Child								
Under 1 Year		12.3	32.7	34.4	20.5	100.0	101.9	13.9
1 Year		9.0	23.4	36.6	31.0	100.0	105.7	14.6
2 Years		5.5	32.9	30.3	31.4	100.0	105.2	14.9
3 Years		15.0	21.5	35.6	27.9	100.0	100.7	14.5
Total		10.4	27.6	34.2	27.9	100.0	103.4	14.7
Race of Child	Age of Child							
Hispanic	Under 1 Year	19.5	26.8	39.2	14.4	100.0	99.0	17.0
	1 Year	14.2	39.7	27.7	18.4	100.0	101.2	15.0
	2 Years	15.0	27.1	33.3	24.7	100.0	101.9	16.4
	3 Years	23.6	41.5	12.9	22.0	100.0	95.0	13.9
	Total	18.3	33.3	28.1	20.3	100.0	99.2	15.9
Black	Under 1 Year	7.3	26.4	59.3	7.0	100.0	102.2	12.4
	1 Year	10.5	25.0	35.4	29.0	100.0	104.6	14.5
	2 Years	14.2	26.7	41.7	17.4	100.0	102.3	14.5
	3 Years	18.7	27.3	42.3	11.7	100.0	96.6	13.0
	Total	12.7	26.3	43.5	17.5	100.0	101.6	14.1
White	Under 1 Year	12.4	34.2	30.3	23.1	100.0	102.1	13.7
	1 Year	8.3	22.0	37.5	32.2	100.0	106.2	14.6
	2 Years	2.8	34.6	27.8	34.7	100.0	106.1	14.7
	3 Years	13.5	18.6	36.8	31.0	100.0	102.0	14.6
	Total	9.2	27.3	33.1	30.4	100.0	104.1	14.5

Table 5.6.10 Motor and Social Development: Standard Scores for Female Children by Maternal Characteristics and Age of Child
(1990 Weighted Distribution)

		0-84	85-99	100-114	115+	Total	Mean	Std. Dev.
Maternal Education	Age of Child							
< 12 Years	Under 1 Year	11.8	23.4	36.5	28.3	100.0	103.7	16.0
	1 Year	10.8	17.0	38.2	34.0	100.0	103.9	19.4
	2 Years	12.3	45.2	19.4	23.1	100.0	98.4	18.0
	3 Years	36.6	45.0	18.4		100.0	88.4	24.4
	Total	18.3	33.2	27.6	20.9	100.0	98.3	21.0
12 Years	Under 1 Year	10.6	34.5	34.9	20.0	100.0	102.6	13.2
	1 Year	10.6	19.1	39.8	30.4	100.0	105.6	15.1
	2 Years	10.5	31.5	34.9	23.1	100.0	101.1	18.4
	3 Years	21.5	41.7	16.7	20.0	100.0	97.3	17.3
	Total	13.6	32.0	31.0	23.4	100.0	101.4	16.7
13+ Years	Under 1 Year	13.5	33.7	33.5	19.2	100.0	101.2	15.3
	1 Year	15.3	22.1	39.6	23.0	100.0	101.7	17.1
	2 Years	6.8	36.3	19.7	37.2	100.0	103.8	16.0
	3 Years	8.4	39.5	40.6	11.5	100.0	101.0	14.3
	Total	11.2	32.9	33.4	22.6	100.0	101.9	15.7
Mother's Age at Birth of Child	Age of Child							
20-24 Years	1 Year	14.3	17.4	39.6	28.8	100.0	102.9	14.1
	2 Years	9.9	34.2	31.0	24.9	100.0	102.0	15.8
	3 Years	23.3	44.5	17.1	15.1	100.0	94.7	21.9
	Total	16.9	36.5	25.7	20.8	100.0	98.7	19.1
25-29 Years	Under 1 Year	11.9	31.6	37.7	18.8	100.0	101.8	15.0
	1 Year	12.2	19.4	39.0	29.4	100.0	104.5	16.7
	2 Years	10.3	33.4	24.9	31.4	100.0	101.7	19.2
	3 Years	13.7	39.9	33.2	13.2	100.0	99.9	15.1
	Total	12.1	31.3	33.5	23.1	100.0	101.9	16.7
Over 30 Years	Under 1 Year	14.5	33.6	29.2	22.7	100.0	101.7	14.6
	1 Year	13.1	22.6	40.4	23.9	100.0	102.1	18.0
	2 Years	3.3	50.1	23.8	22.7	100.0	100.7	12.3
	3 Years	66.2	28.4	5.4		100.0	79.8	12.6
	Total	14.1	32.7	30.9	22.2	100.0	100.8	15.9

Table 5.6.11 Motor and Social Development: Standard Scores by for Male Children by Child Age and Race/Ethnicity
(1990 Weighted Distribution)

		0-84	85-99	100-114	115+	Total	Mean	Std. Dev.
Age of Child								
Under 1 Year		13.7	33.1	38.1	15.0	100.0	100.6	13.9
1 Year		10.7	26.9	38.0	24.4	100.0	103.3	14.5
2 Years		7.4	35.6	30.9	26.1	100.0	103.4	14.5
3 Years		16.2	29.7	35.3	18.8	100.0	98.5	13.7
Total		11.8	31.4	35.4	21.4	100.0	101.6	14.3
Race of Child	Age of Child							
Hispanic	Under 1 Year	15.7	29.6	44.2	10.6	100.0	99.2	15.0
	1 Year	14.5	42.9	29.6	12.9	100.0	99.2	13.9
	2 Years	21.8	32.5	28.1	17.5	100.0	98.0	15.9
	3 Years	27.6	35.3	21.3	15.9	100.0	94.3	14.1
	Total	20.5	34.8	30.1	14.6	100.0	97.5	14.9
Black	Under 1 Year	12.3	29.7	49.2	8.8	100.0	100.4	13.6
	1 Year	13.3	27.2	34.4	25.2	100.0	102.8	15.2
	2 Years	10.7	32.5	43.5	13.3	100.0	101.4	13.9
	3 Years	23.0	30.2	36.1	10.8	100.0	95.1	13.7
	Total	14.7	29.9	40.6	14.8	100.0	100.1	14.4
White	Under 1 Year	13.8	34.0	35.8	16.5	100.0	100.7	13.9
	1 Year	10.0	25.6	39.3	25.1	100.0	103.7	14.4
	2 Years	5.4	36.4	29.1	29.1	100.0	104.3	14.3
	3 Years	13.9	29.0	36.6	20.5	100.0	99.5	13.4
	Total	10.6	31.3	35.1	23.1	100.0	102.2	14.2

Table 5.6.12 Motor and Social Development: Standard Scores for Male Children by Maternal Characteristics and Age of Child
(1990 Weighted Distribution)

		0-84	85-99	100-114	115+	Total	Mean	Std. Dev.
Maternal Education	Age of Child							
< 12 Years	Under 1 Year	30.0	36.4	32.1	1.6	100.0	93.2	13.0
	1 Year	14.1	31.6	45.1	9.2	100.0	99.5	15.3
	2 Years	15.5	25.6	45.5	13.4	100.0	99.9	13.1
	3 Years	22.1	39.7	30.6	7.6	100.0	94.0	18.3
	Total	19.9	33.2	38.8	8.2	100.0	96.9	15.4
12 Years	Under 1 Year	19.1	16.7	51.4	12.7	100.0	101.6	14.8
	1 Year	12.3	31.4	38.2	18.1	100.0	101.2	14.1
	2 Years	7.5	23.8	36.6	32.1	100.0	105.4	14.4
	3 Years	16.5	39.0	32.5	12.0	100.0	98.1	12.5
	Total	13.2	28.8	38.4	19.6	100.0	101.6	14.2
13+ Years	Under 1 Year	12.4	32.8	45.8	9.0	100.0	99.9	13.4
	1 Year	9.3	18.3	43.2	29.2	100.0	103.7	19.7
	2 Years	1.5	34.0	34.7	29.9	100.0	105.5	14.4
	3 Years	9.2	44.6	23.2	23.1	100.0	100.7	12.6
	Total	8.0	32.0	37.6	22.4	100.0	102.5	15.4
Mother's Age at Birth of Child	Age of Child							
20-24 Years	1 Year	17.2	12.4	53.7	16.8	100.0	103.7	13.2
	2 Years	6.5	23.8	28.4	41.3	100.0	107.1	14.4
	3 Years	11.1	39.4	36.8	12.7	100.0	98.7	12.1
	Total	10.4	31.8	36.2	21.5	100.0	101.7	13.5
25-29 Years	Under 1 Year	17.7	29.1	43.6	9.6	100.0	98.9	14.1
	1 Year	11.3	29.3	42.5	16.9	100.0	100.4	17.8
	2 Years	5.1	30.0	35.5	29.4	100.0	105.1	14.4
	3 Years	17.0	41.3	25.0	16.7	100.0	98.7	13.1
	Total	12.0	31.9	37.0	19.0	100.0	101.1	15.3
Over 30 Years	Under 1 Year	14.9	27.3	50.4	7.4	100.0	100.7	13.6
	1 Year	10.2	20.5	35.8	33.5	100.0	105.6	14.6
	2 Years	11.0	25.6	60.7	2.7	100.0	98.1	11.6
	3 Years	9.6	63.6		26.8	100.0	91.3	31.1
	Total	12.2	26.0	44.3	17.5	100.0	101.7	15.3

**Table 5.6.13 Motor and Social Development: Within-Year Correlations
with HOME Scores, 1990**

	Total HOME Score	Cognitive Stimulation Subscore	Emotional Support Subscore
Motor/Social Score			
All Children	.22	.21	.13
Under 1 Year	.24	.26	.10
1 Year	.20	.17	.13
2 Years	.19	.14	.14
3 Years	.26	.29	.16

Table 5.6.14 Motor and Social Development: Cross-Year Correlations

	Motor and Social Development 1986
Motor and Social Development, 1988	.29
Behavior Problems, 1988	
Total	-.17
Antisocial	-.15
Anxious/Depressed	-.09
Dependent	-.08
Headstrong	-.13
Hyperactive	-.10
Peer Conflict	-.16
Behavior Problems, 1990	
Total	-.12
Antisocial	-.10
Anxious/Depressed	-.05 ^a
Dependent	-.09
Headstrong	-.12
Hyperactive	-.12
Peer Conflict	-.09
PIAT Math, 1990	.21
PIAT Reading Recognition, 1990	.22
PIAT Reading Comprehension, 1990	.22

Note: a = not significant at $p < .05$.

Table 5.7.1 Temperament: Components of Subscores, 1990

Activity (0-11 Months)	Predictability (0-11 Months)	Fearfulness (0-11 Months) (12-23 Months)		Positive Affect (0-11 Months) (12-23 Months)		Compliance (2-6 Years)	Insecure Attachment (2-6 Years)
MS900745	MS900751	MS900757	MS900817	MS900765	MS900825	MS900839	MS900863
MS900747	MS900753	MS900759	MS900819	MS900767	MS900827	MS900841	MS900865
MS900749	MS900755	MS900761	MS900821	MS900769	MS900829	MS900843(R)	MS900911
		MS900763	MS900823			MS900845	MS900913
						MS900847	MS900915
						MS900849	MS900917
							MS900919

Sociability (4 Years - 6 Years)	Difficulty Composite - Abbrev.* (0-11 Months) (12-23 Months)		Negative Hedonic Tone* (0-11 Months) (12-23 Months)		Friendliness - Abbrev.** (0-11 Months) (12-23 Months)	
CS906021	MS900751(R)	MS900817	MS900757	MS900817	MS900771(R)	MS900831(R)
CS906023	MS900753(R)	MS900819	MS900759	MS900819	MS900811(R)	MS900833(R)
CS906027	MS900755(R)	MS900821	MS900761	MS900821	MS900813(R)	MS900835(R)
	MS900757	MS900823	MS900763	MS900823	MS900815(R)	MS900837(R)
	MS900759	MS900825(R)	MS900765(R)	MS900825(R)		
	MS900761	MS900827(R)	MS900767(R)	MS900827(R)		
	MS900763	MS900829(R)	MS900769(R)	MS900829(R)		
	MS900765(R)	MS900831	MS900771	MS900831		
	MS900767(R)	MS900833	MS900811	MS900833		
	MS900769(R)	MS900835	MS900813	MS900835		
	MS900771	MS900837	MS900815	MS900837		
	MS900811					
	MS900813					
	MS900815					

* Note that for children 12-23 months, the Negative Hedonic Tone and Difficulty Composite-Abbreviated subscales have identical components.

** Since children under the age of 4 years did not complete any of the assessments in the Child Supplement in 1990, the CS interviewer report items that were included in the 1986 and 1988 versions of these variables were frequently not completed by the interviewer and thus are excluded from the construction of the 1990 abbreviated subscores. Revised public use versions of these variables for 1986 and 1988 are included in the 1990 public release.

Table 5.7.2 Temperament: Composition of Subscales, 1990

Age	Subscale	Components	Ref No.
0-11 Months	Activity	Squirms & kicks during feeding	E9922.
		Waves arms during feeding	E9670.
		Moves during sleep	E9671.
	Predictability		E9672.
		Gets sleepy at same time	E9923.
		Gets hungry at same time	E9673.
	Fearfulness	Wakes in the same mood	E9674.
			E9675.
		Turns away & cries at stranger	E9924.
	Positive Affect	Turns away & cries at animal	E9676.
		Cries when left alone	E9677.
		Turns away & cries at Dr.	E9678.
	Friendliness (Abbreviated)		E9679.
		Smiles/laughs when playing with mother	E9925.
		Smiles/laughs when playing alone	E9680.
12-23 Months	Fearfulness	Smiles/laughs when in the bath	E9681.
			E9682.
		Cries when hears sudden noise (R)	E9931.10
	Positive Affect	Trouble soothing or calming (R)	E9683.
		On average, gets fussy/irritable (R)	E9684.
		Compared with others, gets fussy/irritable (R)	E9685.
	Friendliness (Abbreviated)		E9686.
		Predictability (R), Fearfulness, Positive Affect (R), Friendliness (R)	E9929.10
	Negative Hedonic Tone Composite		
		Fearfulness, Affect (R), Friendliness (R)	E9930.
	Fearfulness	Turns away & cries at stranger	E9924.
		Turns away & cries at animal	E9687.
		Cries when left alone	E9688.
	Positive Affect	Turns away & cries at Dr.	E9689.
			E9690.
		Smiles/laughs when playing with mother	E9925.
	Friendliness (Abbreviated)	Smiles/laughs when playing alone	E9691.
		Smiles/laughs when in the bath	E9692.
			E9693.
	Friendliness (Abbreviated)	Cries when hears sudden noise (R)	E9931.10
		Trouble soothing or calming (R)	E9694.
		On average, gets fussy and irritable (R)	E9695.
	Friendliness (Abbreviated)	Compared w/others, gets fussy/irritable (R)	E9696.
			E9697.

Table 5.7.2 Temperament: Composition of Subscales, 1990 (continued)

Age	Subscale	Components	Ref No.
	Difficulty Composite (Abbreviated)	Fearfulness, Positive Affect (R), Friendliness (R)	E9929.10
	Negative Hedonic Tone Composite	Same as difficulty composite (ABB.)	E9930.
2-6 Years	Compliance	Eats food given	E9926.
		If does not eat, complies when told to eat	E9698.
		Protests going to bed (R)	E9699.
		Protests, goes to bed when told again	E9700.
		Turns off TV when told without protest	E9701.
		Protests, turns off TV when told again	E9702.
			E9703.
	Insecure Attachment		E9927.
		Trouble soothing or calming	E9710.
		Stays close to mother during play	E9711.
		Copies mother's behavior	E9712.
		Cries when left alone	E9713.
		Demanding & impatient when mother is busy	E9714.
		Gets worried when mother is upset	E9715.
		Wants help	E9716.
4-6 Years	Sociability		E9928.
		Int rating of attitude to testing	E9260.
		Int rating of rapport w/interviewer	E9261.
		Int rating of cooperation	E9263.

Note: (R) denotes that items were reversed in scoring, i.e. "1 to 5" was recoded "5 to 1."

Table 5.7.3 Temperament: Activity Raw Scores for Children Under One Year of Age (1990 Sample Cases)

	1-4	5-9	10-14	15-19	Valid	Total	% Valid
Total	38	206	119	30	393	409	96.1
Race of Child							
Hispanic	9	44	18	6	77	80	96.3
Black	12	44	39	14	109	112	97.3
White	17	118	62	10	207	217	95.4

Table 5.7.4 Temperament: Predictability Raw Scores for Children Under One Year of Age (1990 Sample Cases)

	1-4	5-9	10-14	15-19	Valid	Total	% Valid
Total	2	48	216	126	392	409	95.8
Race of Child							
Hispanic		12	47	18	77	80	96.3
Black	2	21	60	26	109	112	97.3
White		15	109	82	206	217	94.9

Table 5.7.5 Temperament: Fearfulness Raw Scores by Child Age and Race/Ethnicity (1990 Sample Cases)

		1-4	5-9	10-14	15-19	20	Valid	Total	% Valid
Age of Child									
Under 1 Year		60	219	82	14	3	378	409	92.4
1 Year		44	218	121	60	3	446	457	97.6
Total		104	437	203	74	6	824	866	95.2
Race of Child	Age of Child								
Hispanic	Under 1 Year	11	45	16	2		74	80	92.5
	1 Year	9	41	27	13	1	91	94	96.8
	Total	20	86	43	15	1	165	174	94.8
Black	Under 1 Year	18	48	29	7	1	103	112	92.0
	1 Year	13	54	40	29	1	137	139	98.6
	Total	31	102	69	36	2	240	251	95.6
White	Under 1 Year	31	126	37	5	2	201	217	92.6
	1 Year	22	123	54	18	1	218	224	97.3
	Total	53	249	91	23	3	419	441	95.0

Table 5.7.6 Temperament: Positive Affect Raw Scores by Child Age and Race/Ethnicity (1990 Sample Cases)

		1-4	5-9	10-14	15-19	Valid	Total	% Valid
Age of Child								
Under 1 Year		12	46	223	103	384	409	93.9
1 Year		1	8	259	180	448	457	98.0
Total		13	54	482	283	832	866	96.1
Race of Child	Age of Child							
Hispanic	Under 1 Year	5	10	36	26	77	80	96.3
	1 Year		2	49	40	91	94	96.8
	Total	5	12	85	66	168	174	96.6
Black	Under 1 Year	2	10	58	34	104	112	92.9
	1 Year	1	3	73	60	137	139	98.6
	Total	3	13	131	94	241	251	96.0
White	Under 1 Year	5	26	129	43	203	217	93.5
	1 Year		3	137	80	220	224	98.2
	Total	5	29	266	123	423	441	95.9

Table 5.7.7 Temperament: Friendliness Composite Raw Scores by Child Age and Race/Ethnicity (1990 Sample Cases)

		5-9	10-14	15-19	20-24	Valid	Total	% Valid
Age of Child								
Under 1 Year		7	113	255	15	390	409	95.4
1 Year		7	117	296	25	445	457	97.4
Total		14	230	551	40	835	866	96.4
Race of Child	Age of Child							
Hispanic	Under 1 Year		25	47	5	77	80	96.3
	1 Year	2	18	65	6	91	94	96.8
	Total	2	43	112	11	168	174	96.6
Black	Under 1 Year	4	41	59	4	108	112	96.4
	1 Year	4	52	75	5	136	139	97.8
	Total	8	93	134	9	244	251	97.2
White	Under 1 Year	3	47	149	6	205	217	94.5
	1 Year	1	47	156	14	218	224	97.3
	Total	4	94	305	20	423	441	95.9

Table 5.7.8 Temperament: Difficulty Composite-Abbreviated Raw Scores by Child Age and Race/Ethnicity (1990 Sample Cases)

		10-19	20-29	30-39	40-49	Valid	Total	% Valid
Age of Child								
Under 1 Year		49	196	105	24	374	409	91.4
1 Year		169	228	45	1	443	457	96.9
Total		218	424	150	25	817	866	94.3
Race of Child	Age of Child							
Hispanic	Under 1 Year	7	41	20	6	74	80	92.5
	1 Year	35	47	9		91	94	96.8
	Total	42	88	29	6	165	174	94.8
Black	Under 1 Year	7	45	35	13	100	112	89.3
	1 Year	41	70	25		136	139	97.8
	Total	48	115	60	13	236	251	94.0
White	Under 1 Year	35	110	50	5	200	217	92.2
	1 Year	93	111	11	1	216	224	96.4
	Total	128	221	61	6	416	441	94.3

Table 5.7.9 Temperament: Negative Hedonic Tone Composite Raw Scores by Child Age and Race/Ethnicity (1990 Sample Cases)

		10-14	15-19	20-24	25-29	30+	Valid	Total	% Valid
Age of Child									
Under 1 Year		31	109	123	71	40	374	409	91.4
1 Year		48	121	138	90	46	443	457	96.9
Total		79	230	261	161	86	817	866	94.3
Race of Child	Age of Child								
Hispanic	Under 1 Year	5	19	30	13	7	74	80	92.5
	1 Year	11	24	28	19	9	91	94	96.8
	Total	16	43	58	32	16	165	174	94.8
Black	Under 1 Year	6	25	33	19	17	100	112	89.3
	1 Year	9	32	39	31	25	136	139	97.8
	Total	15	57	72	50	42	236	251	94.0
White	Under 1 Year	20	65	60	39	16	200	217	92.2
	1 Year	28	65	71	40	12	216	224	96.4
	Total	48	130	131	79	28	416	441	94.3

Table 5.7.10 Temperament: Compliance Raw Scores by Child Age and Race/Ethnicity (1990 Sample Cases)

		5-9	10-14	15-19	20-24	25-29	30+	Valid	Total	% Valid
Age of Child										
2 Years		1	29	66	155	155	20	426	462	92.2
3 Years		1	24	87	154	132	19	417	435	95.9
4 Years			17	89	159	158	26	449	458	98.0
5 Years			16	80	178	184	46	504	517	97.5
6 Years		2	14	66	132	191	36	441	453	97.4
Total		4	100	388	778	820	147	2237	2325	96.2
Race of Child										
Hispanic	Age of Child									
	2 Years		5	18	31	33	5	92	104	88.5
	3 Years		9	25	31	29	8	102	105	97.1
	4 Years		5	17	29	36	12	99	104	95.2
	5 Years		3	15	50	30	10	108	112	96.4
	6 Years	1	6	17	33	32	8	97	100	97.0
	Total	1	28	92	174	160	43	498	525	94.9
Black	2 Years		11	23	40	41	5	120	128	93.8
	3 Years		8	26	47	31	3	115	118	97.5
	4 Years		7	37	50	35	5	134	137	97.8
	5 Years		11	35	46	53	9	154	158	97.5
	6 Years	1	7	27	38	54	17	144	148	97.3
	Total	1	44	148	221	214	39	667	689	96.8
White	2 Years	1	13	25	84	81	10	214	230	93.0
	3 Years	1	7	36	76	72	8	200	212	94.3
	4 Years		5	35	80	87	9	216	217	99.5
	5 Years		2	30	82	101	27	242	247	98.0
	6 Years		1	22	61	105	11	200	205	97.6
	Total	2	28	148	383	446	65	1072	1111	96.5

Table 5.7.11 Temperament: Sociability Raw Scores by Child Age and Race/Ethnicity (1990 Sample Cases)

		1-4	5-9	10-14	15-19	Valid	Total	% Valid
Age of Child								
4 Years		15	113	167	133	428	458	93.4
5 Years		3	96	198	184	481	517	93.0
6 Years		1	73	179	164	417	453	92.1
Total		19	282	544	481	1326	1428	92.9
Race of Child	Age of Child							
Hispanic	4 Years	2	23	43	30	98	104	94.2
	5 Years	2	25	44	34	105	112	93.8
	6 Years		15	45	30	90	100	90.0
	Total	4	63	132	94	293	316	92.7
Black	4 Years	5	41	41	41	128	137	93.4
	5 Years		38	52	57	147	158	93.0
	6 Years	1	30	58	48	137	148	92.6
	Total	6	109	151	146	412	443	93.0
White	4 Years	8	49	83	62	202	217	93.1
	5 Years	1	33	102	93	229	247	92.7
	6 Years		28	76	86	190	205	92.7
	Total	9	110	261	241	621	669	92.8

Table 5.7.13 Reliability of Temperament Assessment Scores, 1990

Age	Subscale	No. of Items	Sample Size	Cronbach's Alpha
0-11 months	Activity	3	393	.70
	Predictability	3	402	.62
	Fearfulness	4	388	.64
	Positive Affect	3	394	.77
	Difficulty Composite--			
	Abbreviated	14	383	.67
	Negative Hedonic			
	Tone Composite	11	383	.64
12-23 months	Friendliness--			
	Abbreviated	4	400	.56
	Fearfulness	4	446	.65
	Positive Affect	3	463	.49
	Difficulty Composite--			
	Abbreviated*	11	457	.65
	Negative Hedonic			
24-83 months	Tone Composite*	11	457	.65
	Friendliness--			
	Abbreviated	4	460	.54
24-83 months	Compliance	6	2237	.59
	Insecure Attachment	7	2284	.52
48-83 months	Sociability	3	1326	.93

* Note that for children 12-23 months, the Negative Hedonic Tone and Difficulty Composite-Abbreviated subscales have identical components.

Table 5.7.14 Reliability of Revised Temperament Assessment Scores, 1986 and 1988

Age	Subscale	No. of Items	Sample Size	Cronbach's Alpha
1986				
0-11 months	Difficulty Composite-- Abbreviated	14	535	.63
	Friendliness-- Abbreviated	4	558	.47
12-23 months	Difficulty Composite-- Abbreviated	11	604	.69
	Friendliness-- Abbreviated	4	610	.54
1988				
0-11 months	Difficulty Composite-- Abbreviated	14	519	.62
	Friendliness-- Abbreviated	4	549	.55
12-23 months	Difficulty Composite-- Abbreviated	11	506	.61
	Friendliness-- Abbreviated	4	512	.50

Table 5.7.15 Temperament: Activity Raw Scores for Children Under One Year of Age (1990 Weighted Distribution)

	1-4	5-9	10-14	15-19	Total	Mean	Std. Dev.
Total	9.1	54.4	30.2	6.3	100.0	8.5	3.3
Race of Child							
Hispanic	13.1	54.7	23.5	8.7	100.0	8.5	3.4
Black	11.6	40.6	34.8	13.0	100.0	9.4	3.6
White	8.3	56.6	30.1	5.0	100.0	8.4	3.2

Table 5.7.16 Temperament: Predictability Raw Scores for Children Under One Year of Age (1990 Weighted Distribution)

	1-4	5-9	10-14	15-19	Total	Mean	Std. Dev.
Total	0.2	9.5	54.6	35.7	100.0	12.9	2.2
Race of Child							
Hispanic		17.8	60.6	21.6	100.0	12.2	2.4
Black	1.6	17.1	58.4	22.9	100.0	11.8	2.7
White		7.6	53.5	38.9	100.0	13.2	2.1

Table 5.7.17 Temperament: Fearfulness Raw Scores by Child Age and Race/Ethnicity (1990 Weighted Distribution)

		1-4	5-9	10-14	15-19	20	Total	Mean	Std. Dev.
Age of Child									
Under 1 Year		15.4	59.7	20.2	3.5	1.1	100.0	7.7	3.4
1 Year		9.9	52.9	25.8	10.7	0.7	100.0	9.0	3.9
Total		12.5	56.1	23.2	7.3	0.9	100.0	8.4	3.7
Race of Child	Age of Child								
Hispanic	Under 1 Year	14.3	54.7	27.8	3.2		100.0	8.1	3.3
	1 Year	10.7	42.6	30.5	15.0	1.1	100.0	9.5	4.1
	Total	12.4	48.3	29.3	9.4	0.6	100.0	8.9	3.8
Black	Under 1 Year	18.1	45.3	26.8	8.9	0.8	100.0	8.6	3.9
	1 Year	8.7	42.3	28.5	19.6	0.8	100.0	10.1	4.2
	Total	12.7	43.5	27.8	15.1	0.8	100.0	9.4	4.2
White	Under 1 Year	15.1	62.4	18.6	2.7	1.3	100.0	7.5	3.3
	1 Year	10.1	55.9	24.9	8.6	0.6	100.0	8.7	3.8
	Total	12.5	59.0	21.9	5.7	0.9	100.0	8.1	3.6

Table 5.7.18 Temperament: Positive Affect Raw Scores by Child Age and Race/Ethnicity (1990 Weighted Distribution)

		1-4	5-9	10-14	15-19	Total	Mean	Std. Dev.
Age of Child								
Under 1 Year		2.5	12.5	61.1	23.9	100.0	12.3	2.9
1 Year		0.1	1.6	59.9	38.3	100.0	13.6	1.6
Total		1.2	6.8	60.5	31.5	100.0	13.0	2.4
Race of Child	Age of Child							
Hispanic	Under 1 Year	6.0	14.8	46.2	33.0	100.0	12.0	3.3
	1 Year		2.8	53.5	43.7	100.0	13.6	1.6
	Total	2.9	8.6	49.9	38.5	100.0	12.8	2.7
Black	Under 1 Year	2.4	10.3	54.9	32.4	100.0	12.4	2.8
	1 Year	0.7	2.2	52.4	44.7	100.0	13.6	1.9
	Total	1.4	5.6	53.5	39.5	100.0	13.1	2.4
White	Under 1 Year	2.2	12.7	63.3	21.8	100.0	12.3	2.9
	1 Year		1.4	61.9	36.7	100.0	13.6	1.5
	Total	1.1	6.8	62.6	29.5	100.0	13.0	2.4

Table 5.7.19 Temperament: Friendliness Composite Raw Scores by Child Age and Race/Ethnicity (1990 Weighted Distribution)

		5-9	10-14	15-19	20-24	Total	Mean	Std. Dev.
Age of Child								
Under 1 Year		1.8	25.0	69.8	3.4	100.0	15.8	2.5
1 Year		1.1	24.9	68.1	5.9	100.0	16.0	2.4
Total		1.4	25.0	68.9	4.7	100.0	15.9	2.4
Race of Child	Age of Child							
Hispanic	Under 1 Year		31.4	58.9	9.7	100.0	15.8	2.5
	1 Year	2.2	21.8	69.2	6.8	100.0	15.8	2.7
	Total	1.1	26.5	64.2	8.2	100.0	15.8	2.6
Black	Under 1 Year	3.5	36.1	56.1	4.3	100.0	15.0	2.9
	1 Year	3.2	37.2	56.2	3.4	100.0	15.0	2.9
	Total	3.4	36.7	56.1	3.8	100.0	15.0	2.9
White	Under 1 Year	1.6	22.7	72.9	2.7	100.0	16.0	2.4
	1 Year	0.6	22.8	70.3	6.3	100.0	16.2	2.3
	Total	1.1	22.8	71.6	4.6	100.0	16.1	2.3

Table 5.7.20 Temperament: Difficulty Composite Raw Scores by Child Age and Race/Ethnicity (1990 Weighted Distribution)

		10-19	20-29	30-39	40-49	Total	Mean	Std. Dev.
Age of Child								
Under 1 Year		15.7	53.1	26.6	4.6	100.0	26.6	6.6
1 Year		40.1	51.9	7.5	0.5	100.0	21.3	5.6
Total		28.7	52.5	16.5	2.4	100.0	23.8	6.7
Race of Child	Age of Child							
Hispanic	Under 1 Year	8.5	54.0	26.8	10.6	100.0	28.3	6.7
	1 Year	35.5	53.7	10.7		100.0	22.0	5.7
	Total	22.7	53.9	18.4	5.0	100.0	25.0	6.9
Black	Under 1 Year	7.7	44.1	35.5	12.7	100.0	29.5	7.4
	1 Year	30.7	52.3	17.0		100.0	23.5	6.3
	Total	21.1	48.9	24.7	5.3	100.0	26.0	7.4
White	Under 1 Year	17.5	54.4	25.2	2.8	100.0	26.0	6.3
	1 Year	42.3	51.7	5.4	0.6	100.0	20.8	5.4
	Total	30.5	53.0	14.9	1.7	100.0	23.3	6.4

Table 5.7.21 Temperament: Negative Hedonic Tone Composite Raw Scores by Child Age and Race/Ethnicity (1990 Weighted Distribution)

		10-14	15-19	20-24	25-29	30+	Total	Mean	Std. Dev.
Age of child									
Under 1 Year		9.5	30.5	30.7	19.7	9.5	100.0	21.5	5.6
1 Year		11.6	28.5	32.9	19.1	8.0	100.0	21.3	5.6
Total		10.6	29.4	31.9	19.4	8.7	100.0	21.4	5.6
Race of Child	Age of Child								
Hispanic	Under 1 Year	6.3	23.0	42.5	16.5	11.8	100.0	22.4	5.7
	1 Year	11.5	24.0	31.7	22.0	10.7	100.0	22.0	5.7
	Total	9.0	23.5	36.8	19.4	11.2	100.0	22.2	5.7
Black	Under 1 Year	6.2	25.1	32.6	18.9	17.3	100.0	23.2	6.3
	1 Year	6.1	24.6	30.7	21.7	17.0	100.0	23.5	6.3
	Total	6.1	24.8	31.5	20.5	17.1	100.0	23.4	6.3
White	Under 1 Year	10.3	32.0	29.5	20.2	8.2	100.0	21.2	5.5
	1 Year	12.7	29.6	33.4	18.3	6.0	100.0	20.8	5.4
	Total	11.5	30.7	31.5	19.2	7.0	100.0	21.0	5.4

Table 5.7.23 Temperament: Sociability Raw Scores by Child Age and Race/Ethnicity (1990 Weighted Distribution)

		1-4	5-9	10-14	15-19	Total	Mean	Std. Dev.
Age of Child								
4 Years		4.0	25.0	40.4	30.7	100.0	11.6	3.4
5 Years		0.3	16.3	43.2	40.2	100.0	12.7	2.6
6 Years		0.1	16.0	41.0	42.8	100.0	12.8	2.4
Total		1.5	19.0	41.6	37.9	100.0	12.3	2.9
Race of Child	Age of Child							
Hispanic	4 Years	2.4	20.2	48.8	28.7	100.0	11.7	3.0
	5 Years	1.3	22.0	43.6	33.2	100.0	12.1	2.8
	6 Years		14.9	46.9	38.2	100.0	12.7	2.3
	Total	1.2	19.1	46.4	33.3	100.0	12.2	2.8
Black	4 Years	4.1	29.3	33.9	32.7	100.0	11.5	3.4
	5 Years		23.4	37.3	39.2	100.0	12.3	2.7
	6 Years	0.8	23.4	40.8	34.9	100.0	12.1	2.6
	Total	1.6	25.3	37.4	35.7	100.0	12.0	2.9
White	4 Years	4.1	24.6	40.8	30.5	100.0	11.6	3.4
	5 Years	0.3	14.3	44.3	41.0	100.0	12.8	2.5
	6 Years		14.4	40.4	45.1	100.0	12.9	2.4
	Total	1.5	17.7	42.0	38.8	100.0	12.4	2.9

Table 5.7.24 Temperament: Insecure Attachment Raw Scores by Child Age and Race/Ethnicity (1990 Weighted Distribution)

		5-9	10-14	15-19	20-24	25-29	30+	Total	Mean	Std. Dev.
Age of Child										
2 Years		0.2	11.3	40.3	31.8	14.9	1.5	100.0	19.8	4.3
3 Years		0.5	14.2	43.1	32.8	7.0	2.5	100.0	18.9	4.3
4 Years		1.1	15.9	47.1	29.5	6.1	0.3	100.0	18.2	4.0
5 Years		1.5	23.8	42.1	25.9	5.6	1.1	100.0	17.8	4.4
6 Years		1.1	25.2	44.8	26.1	1.9	0.9	100.0	17.3	4.0
Total		0.9	18.2	43.4	29.1	7.1	1.3	100.0	18.4	4.3
Race of Child										
Hispanic	2 Years	1.8	12.6	29.7	28.7	23.7	3.5	100.0	20.4	5.0
	3 Years	0.7	15.4	26.8	39.4	13.0	4.7	100.0	20.3	5.0
	4 Years	1.1	9.8	38.7	40.4	10.0		100.0	19.2	4.0
	5 Years	0.8	18.6	37.8	33.4	7.6	1.8	100.0	18.7	4.6
	6 Years		25.9	33.1	27.5	10.6	2.9	100.0	18.7	5.2
	Total	0.9	16.5	33.2	33.9	13.0	2.6	100.0	19.5	4.9
Black	2 Years	0.8	4.5	39.5	33.9	19.3	2.0	100.0	20.7	4.6
	3 Years	0.8	15.4	34.8	37.5	8.0	3.4	100.0	19.4	4.6
	4 Years	2.2	11.1	44.5	30.2	9.9	2.0	100.0	18.9	4.8
	5 Years	2.9	17.1	36.4	31.9	8.9	2.8	100.0	18.6	4.9
	6 Years	2.6	17.8	42.0	33.9	2.4	1.3	100.0	18.1	4.4
	Total	2.0	13.5	39.5	33.3	9.4	2.3	100.0	19.1	4.7
White	2 Years		12.3	41.4	31.7	13.3	1.3	100.0	19.6	4.2
	3 Years	0.4	13.8	46.1	31.3	6.2	2.2	100.0	18.7	4.1
	4 Years	0.9	17.4	48.4	28.4	5.0		100.0	18.0	3.8
	5 Years	1.3	25.6	43.6	24.1	4.8	0.7	100.0	17.5	4.2
	6 Years	0.9	26.8	46.6	24.2	0.9	0.6	100.0	17.0	3.7
	Total	0.7	19.2	45.1	27.9	6.1	0.9	100.0	18.2	4.1

Table 5.7.25 Temperament: Within-Year Correlations, 1990

Age in 1990	Activity	Positive Affect	Difficulty Abbrev.	Fearful- ness Abbrev.	Friendli- ness	Negative Hedonic Tone	Predict- ability	Compli- ance	Insecure Attach.	Socia- bility	Total Behavior Problems	Total HOME	HOME Emot. Support	HOME Cogn. Stim.	PIAT ¹ Math	PIAT ¹ Reading Recog.
UNDER AGE ONE																
ACTIVITY	---	.04 ^a	.15	.21	-.20	.19	.04 ^a									
POSITIVE AFFECT	.04 ^a	---	-.54	.15	.22	-.52	-.32									
DIFFICULTY ABB.	.15	-.54	---	.58	-.73	.95	-.58									
FEARFULNESS	.21	.15	.58	---	-.33	.67	-.02 ^a									
FRIENDLINESS ABB.	-.20	.22	-.73	-.33	---	-.75	.27									
NEGATIVE HEDONIC TONE COMP.	.19	-.52	.95	.67	-.76	---	-.29									
PREDICTABILITY	.04 ^a	.32	-.58	-.02 ^a	.27	-.29	---									
AGE ONE																
POSITIVE AFFECT		---	-.40	-.05 ^a	.16	-.38										
DIFFICULTY ABB.		-.40	---	.81	-.71	.97										
FEARFULNESS		-.05 ^a	.81	---	-.37	.85										
FRIENDLINESS ABB.		.16	-.71	-.37	---	-.73										
NEGATIVE HEDONIC TONE COMP.		-.38	.97	.85	-.73	---										
AGE 2-3																
COMPLIANCE								---								
INSECURE ATTACH.								-.11		-.11						
AGE 4-6																
COMPLIANCE								---		-.15	.11					
SOCIALITY								.11		-.05 ^a	---	-.08	.14	.16	.09	.20
INSECURE ATTACH.								-.15		---	-.05 ^a					.23

Note: ¹ Five and six year-olds only. a = no significant at $p < .05$.

Table 5.7.26 Temperament: Cross-Year Correlations

Age of Child	Insecure Attachment 1988	Insecure Attachment 1990	Total Behavior Problems 1988	Total Behavior Problems 1990
Under One Year in 1986				
Fearfulness	.11	.12		
4-6 Years in 1986				
Compliance			-.12	-.10
Insecure Attachment			.17	.16
Sociability			-.11	-.11

Table 5.8.1 Behavior Problems Index Questionnaire Items: Their Location and Distribution among the BPI Subscales

CHILD REFNUM	QUEX TYPE	YR	QUEX LOCATION	SUBSCALE	ITEM DESCRIPTION
E 5640.	MOMSUP	86	MS860518	ANXIOUS/DEPRESSED	BEHAVIOR PROBLEMS INDEX: HAS SUDDEN CHANGES IN MOOD/FEELING
E 5641.	MOMSUP	86	MS860519	ANXIOUS/DEPRESSED	BEHAVIOR PROBLEMS INDEX: FEELS/COMPLAINS NO ONE LOVES HIM/HER
E 5642.	MOMSUP	86	MS860520	HEADSTRONG	BEHAVIOR PROBLEMS INDEX: IS RATHER HIGH STRUNG, TENSE, NERVOUS
E 5643.	MOMSUP	86	MS860521	ANTISOCIAL	BEHAVIOR PROBLEMS INDEX: CHEATS OR TELLS LIES
E 5644.	MOMSUP	86	MS860522	ANXIOUS/DEPRESSED	BEHAVIOR PROBLEMS INDEX: IS TOO FEARFUL OR ANXIOUS
E 5645.	MOMSUP	86	MS860523	HEADSTRONG	BEHAVIOR PROBLEMS INDEX: ARGUES TOO MUCH
E 5646.	MOMSUP	86	MS860524	HYPERACTIVE	BEHAVIOR PROBLEMS INDEX: HAS DIFFICULTY CONCENTRATING/PAYING ATTENTION
E 5647.	MOMSUP	86	MS860525	HYPERACTIVE	BEHAVIOR PROBLEMS INDEX: IS EASILY CONFUSED/IN A FOG
E 5648.	MOMSUP	86	MS860526	ANTISOCIAL	BEHAVIOR PROBLEMS INDEX: BULLIES OR IS CRUEL/MEAN TO OTHERS
E 5649.	MOMSUP	86	MS860527	HEADSTRONG	BEHAVIOR PROBLEMS INDEX: IS DISOBEDIENT AT HOME
E 5650.	MOMSUP	86	MS860528	ANTISOCIAL	BEHAVIOR PROBLEMS INDEX: DOES NOT FEEL SORRY AFTER MISBEHAVNG
E 5651.	MOMSUP	86	MS860529	PEER PROBLEMS	BEHAVIOR PROBLEMS INDEX: HAS TROUBLE GETTING ALONG W/OTHERS
E 5652.	MOMSUP	86	MS860530	HYPERACTIVE	BEHAVIOR PROBLEMS INDEX: IS IMPULSIVE - ACTS W/OUT THINKING
E 5653.	MOMSUP	86	MS860531	ANXIOUS/DEPRESSED	BEHAVIOR PROBLEMS INDEX: FEELS WORTHLESS OR INFERIOR
E 5654.	MOMSUP	86	MS860532	PEER PROBLEMS	BEHAVIOR PROBLEMS INDEX: IS NOT LIKED BY OTHER CHLDREN
E 5655.	MOMSUP	86	MS860533	HYPERACTIVE	BEHAVIOR PROBLEMS INDEX: HAS TROUBLE WITH OBSESSIONS, ETC
E 5656.	MOMSUP	86	MS860534	HYPERACTIVE	BEHAVIOR PROBLEMS INDEX: IS RESTLESS, OVERLY ACTIVE, ETC
E 5657.	MOMSUP	86	MS860535	HEADSTRONG	BEHAVIOR PROBLEMS INDEX: IS STUBBORN, SULLEN, OR IRRITABLE
E 5658.	MOMSUP	86	MS860536	HEADSTRONG	BEHAVIOR PROBLEMS INDEX: HAS STRONG TEMPER, LOSES IT EASILY
E 5659.	MOMSUP	86	MS860537	ANXIOUS/DEPRESSED	BEHAVIOR PROBLEMS INDEX: IS UNHAPPY, SAD, OR DEPRESSED
E 5660.	MOMSUP	86	MS860538	PEER PROBLEMS	BEHAVIOR PROBLEMS INDEX: IS WITHDRAWN, NOT INVOLVED W/OTHERS
E 5661.	MOMSUP	86	MS860539	ANTISOCIAL	BEHAVIOR PROBLEMS INDEX: BREAKS THINGS DELIBERATELY
E 5662.	MOMSUP	86	MS860540	DEPENDENT	BEHAVIOR PROBLEMS INDEX: CLINGS TO ADULTS
E 5663.	MOMSUP	86	MS860541	DEPENDENT	BEHAVIOR PROBLEMS INDEX: CRIES TOO MUCH
E 5664.	MOMSUP	86	MS860542	DEPENDENT	BEHAVIOR PROBLEMS INDEX: DEMANDS A LOT OF ATTENTION
E 5665.	MOMSUP	86	MS860543	DEPENDENT	BEHAVIOR PROBLEMS INDEX: IS TOO DEPENDENT ON OTHERS
E 5666.	MOMSUP	86	MS860544	ANTISOCIAL	BEHAVIOR PROBLEMS INDEX: IS DISOBEDIENT AT SCHOOL
E 5667.	MOMSUP	86	MS860545	ANTISOCIAL	BEHAVIOR PROBLEMS INDEX: HAS TROUBLE GETTING ALONG W/TEACHERS
E 7808.	MOMSUP	88	MS880772	ANXIOUS/DEPRESSED	BEHAVIOR PROBLEMS INDEX: HAS SUDDEN CHANGES IN MOOD/FEELING
E 7809.	MOMSUP	88	MS880773	ANXIOUS/DEPRESSED	BEHAVIOR PROBLEMS INDEX: FEELS/COMPLAINS NO ONE LOVES HIM/HER
E 7810.	MOMSUP	88	MS880774	HEADSTRONG	BEHAVIOR PROBLEMS INDEX: IS RATHER HIGH STRUNG, TENSE, NERVOUS
E 7811.	MOMSUP	88	MS880775	ANTISOCIAL	BEHAVIOR PROBLEMS INDEX: CHEATS OR TELLS LIES
E 7812.	MOMSUP	88	MS880776	ANXIOUS/DEPRESSED	BEHAVIOR PROBLEMS INDEX: IS TOO FEARFUL OR ANXIOUS
E 7813.	MOMSUP	88	MS880777	HEADSTRONG	BEHAVIOR PROBLEMS INDEX: ARGUES TOO MUCH
E 7814.	MOMSUP	88	MS880778	HYPERACTIVE	BEHAVIOR PROBLEMS INDEX: HAS DIFFICULTY CONCENTRATING/PAYING ATTENTION
E 7815.	MOMSUP	88	MS880812	HYPERACTIVE	BEHAVIOR PROBLEMS INDEX: IS EASILY CONFUSED/IN A FOG
E 7816.	MOMSUP	88	MS880813	ANTISOCIAL	BEHAVIOR PROBLEMS INDEX: BULLIES OR IS CRUEL/MEAN TO OTHERS
E 7817.	MOMSUP	88	MS880814	HEADSTRONG	BEHAVIOR PROBLEMS INDEX: IS DISOBEDIENT AT HOME
E 7818.	MOMSUP	88	MS880815	ANTISOCIAL	BEHAVIOR PROBLEMS INDEX: DOES NOT FEEL SORRY AFTER MISBEHAVING
E 7819.	MOMSUP	88	MS880816	PEER PROBLEMS	BEHAVIOR PROBLEMS INDEX: HAS TROUBLE GETTING ALONG W/OTHERS
E 7820.	MOMSUP	88	MS880817	HYPERACTIVE	BEHAVIOR PROBLEMS INDEX: IS IMPULSIVE - ACTS W/OUT THINKING
E 7821.	MOMSUP	88	MS880818	ANXIOUS/DEPRESSED	BEHAVIOR PROBLEMS INDEX: FEELS WORTHLESS OR INFERIOR
E 7822.	MOMSUP	88	MS880819	PEER PROBLEMS	BEHAVIOR PROBLEMS INDEX: IS NOT LIKED BY OTHER CHLDREN
E 7823.	MOMSUP	88	MS880820	HYPERACTIVE	BEHAVIOR PROBLEMS INDEX: HAS TROUBLE WITH OBSESSIONS, ETC
E 7824.	MOMSUP	88	MS880821	HYPERACTIVE	BEHAVIOR PROBLEMS INDEX: IS RESTLESS, OVERLY ACTIVE, ETC
E 7825.	MOMSUP	88	MS880822	HEADSTRONG	BEHAVIOR PROBLEMS INDEX: IS STUBBORN, SULLEN, OR IRRITABLE
E 7826.	MOMSUP	88	MS880823	HEADSTRONG	BEHAVIOR PROBLEMS INDEX: HAS STRONG TEMPER, LOSES IT EASILY

Table 5.8.1 Behavior Problems Index Questionnaire Items: Their Location and Distribution among the BPI Subscales (continued)

CHILD REFNUM	QUEX TYPE	YR	QUEX LOCATION	SUBSCALE	ITEM DESCRIPTION
E 7827.	MOMSUP	88	MS880824	ANXIOUS/DEPRESSED	BEHAVIOR PROBLEMS INDEX: IS UNHAPPY, SAD, OR DEPRESSED
E 7828.	MOMSUP	88	MS880825	PEER PROBLEMS	BEHAVIOR PROBLEMS INDEX: IS WITHDRAWN, NOT INVOLVED W/ OTHERS
E 7829.	MOMSUP	88	MS880826	ANTISOCIAL	BEHAVIOR PROBLEMS INDEX: BREAKS THINGS DELIBERATELY
E 7830.	MOMSUP	88	MS880827	DEPENDENT	BEHAVIOR PROBLEMS INDEX: CLINGS TO ADULTS
E 7831.	MOMSUP	88	MS880828	DEPENDENT	BEHAVIOR PROBLEMS INDEX: CRIES TOO MUCH
E 7832.	MOMSUP	88	MS880829	DEPENDENT	BEHAVIOR PROBLEMS INDEX: DEMANDS A LOT OF ATTENTION
E 7833.	MOMSUP	88	MS880830	DEPENDENT	BEHAVIOR PROBLEMS INDEX: IS TOO DEPENDENT ON OTHERS
E 7834.	MOMSUP	88	MS880831	**	BEHAVIOR PROBLEMS INDEX: FEELS OTHERS OUT TO GET HIM/HER
E 7835.	MOMSUP	88	MS880832	**	BEHAVIOR PROBLEMS INDEX: HANGS AROUND WITH TROUBLE-MAKERS
E 7836.	MOMSUP	88	MS880833	**	BEHAVIOR PROBLEMS INDEX: IS SECRETIVE/KEEPS THINGS TO SELF
E 7837.	MOMSUP	88	MS880834	**	BEHAVIOR PROBLEMS INDEX: WORRIES TOO MUCH
E 7838.	MOMSUP	88	MS880835	ANTISOCIAL	BEHAVIOR PROBLEMS INDEX: IS DISOBEDIENT AT SCHOOL
E 7839.	MOMSUP	88	MS880836	ANTISOCIAL	BEHAVIOR PROBLEMS INDEX: HAS TROUBLE GETTING ALONG W/TEACHERS
E 9838.	MOMSUP	90	MS901323	ANXIOUS/DEPRESSED	BEHAVIOR PROBLEMS INDEX: HAS SUDDEN CHANGES IN MOOD/FEELING
E 9839.	MOMSUP	90	MS901325	ANXIOUS/DEPRESSED	BEHAVIOR PROBLEMS INDEX: FEELS/COMPLAINS NO ONE LOVES HIM/HER
E 9840.	MOMSUP	90	MS901327	HEADSTRONG	BEHAVIOR PROBLEMS INDEX: IS RATHER HIGH STRUNG, TENSE, NERVOUS
E 9841.	MOMSUP	90	MS901329	ANTISOCIAL	BEHAVIOR PROBLEMS INDEX: CHEATS OR TELLS LIES
E 9842.	MOMSUP	90	MS901331	ANXIOUS/DEPRESSED	BEHAVIOR PROBLEMS INDEX: IS TOO FEARFUL OR ANXIOUS
E 9843.	MOMSUP	90	MS901333	HEADSTRONG	BEHAVIOR PROBLEMS INDEX: ARGUES TOO MUCH
E 9844.	MOMSUP	90	MS901335	HYPERACTIVE	BEHAVIOR PROBLEMS INDEX: HAS DIFFICULTY CONCENTRATING/PAYING ATTENTION
E 9845.	MOMSUP	90	MS901337	HYPERACTIVE	BEHAVIOR PROBLEMS INDEX: IS EASILY CONFUSED/IN A FOG
E 9846.	MOMSUP	90	MS901339	ANTISOCIAL	BEHAVIOR PROBLEMS INDEX: BULLIES OR IS CRUEL/MEAN TO OTHERS
E 9847.	MOMSUP	90	MS901341	HEADSTRONG	BEHAVIOR PROBLEMS INDEX: IS DISOBEDIENT AT HOME
E 9848.	MOMSUP	90	MS901343	ANTISOCIAL	BEHAVIOR PROBLEMS INDEX: DOES NOT FEEL SORRY AFTER MISBEHAVING
E 9849.	MOMSUP	90	MS901345	PEER PROBLEMS	BEHAVIOR PROBLEMS INDEX: HAS TROUBLE GETTING ALONG W/ OTHERS
E 9850.	MOMSUP	90	MS901347	HYPERACTIVE	BEHAVIOR PROBLEMS INDEX: IS IMPULSIVE - ACTS W/OUT THINKING
E 9851.	MOMSUP	90	MS901349	ANXIOUS/DEPRESSED	BEHAVIOR PROBLEMS INDEX: FEELS WORTHLESS OR INFERIOR
E 9852.	MOMSUP	90	MS901351	PEER PROBLEMS	BEHAVIOR PROBLEMS INDEX: IS NOT LIKED BY OTHER CHILDREN
E 9853.	MOMSUP	90	MS901353	HYPERACTIVE	BEHAVIOR PROBLEMS INDEX: HAS TROUBLE WITH OBSESSIONS, ETC
E 9854.	MOMSUP	90	MS901355	HYPERACTIVE	BEHAVIOR PROBLEMS INDEX: IS RESTLESS, OVERLY ACTIVE, ETC
E 9855.	MOMSUP	90	MS901357	HEADSTRONG	BEHAVIOR PROBLEMS INDEX: IS STUBBORN, SULLEN, OR IRRITABLE
E 9856.	MOMSUP	90	MS901359	HEADSTRONG	BEHAVIOR PROBLEMS INDEX: HAS STRONG TEMPER, LOSES IT EASILY
E 9857.	MOMSUP	90	MS901361	ANXIOUS/DEPRESSED	BEHAVIOR PROBLEMS INDEX: IS UNHAPPY, SAD, OR DEPRESSED
E 9858.	MOMSUP	90	MS901363	PEER PROBLEMS	BEHAVIOR PROBLEMS INDEX: IS WITHDRAWN, NOT INVOLVED W/ OTHERS
E 9859.	MOMSUP	90	MS901365	ANTISOCIAL	BEHAVIOR PROBLEMS INDEX: BREAKS THINGS DELIBERATELY
E 9860.	MOMSUP	90	MS901367	DEPENDENT	BEHAVIOR PROBLEMS INDEX: CLINGS TO ADULTS
E 9861.	MOMSUP	90	MS901369	DEPENDENT	BEHAVIOR PROBLEMS INDEX: CRIES TOO MUCH
E 9862.	MOMSUP	90	MS901371	DEPENDENT	BEHAVIOR PROBLEMS INDEX: DEMANDS A LOT OF ATTENTION
E 9863.	MOMSUP	90	MS901373	DEPENDENT	BEHAVIOR PROBLEMS INDEX: IS TOO DEPENDENT ON OTHERS
E 9864.	MOMSUP	90	MS901411	**	BEHAVIOR PROBLEMS INDEX: FEELS OTHERS OUT TO GET HIM/HER
E 9865.	MOMSUP	90	MS901413	**	BEHAVIOR PROBLEMS INDEX: HANGS AROUND WITH TROUBLE-MAKERS
E 9866.	MOMSUP	90	MS901415	**	BEHAVIOR PROBLEMS INDEX: IS SECRETIVE/KEEPS THINGS TO SELF
E 9867.	MOMSUP	90	MS901417	**	BEHAVIOR PROBLEMS INDEX: WORRIES TOO MUCH
E 9868.	MOMSUP	90	MS901419	ANTISOCIAL	BEHAVIOR PROBLEMS INDEX: IS DISOBEDIENT AT SCHOOL
E 9869.	MOMSUP	90	MS901421	ANTISOCIAL	BEHAVIOR PROBLEMS INDEX: HAS TROUBLE GETTING ALONG W/TEACHERS

** Used in 1981 NHIS Child Health Supplement but not included in the 1986 NLSY Child instrument, and therefore, not part of the CHRR BPI scales.

Table 5.8.2 Behavior Problems Index: Components of Total Score & Subscores, 1990

Total BPI Score		Antisocial Subscore		Anxious/ Depressed Subscore	Headstrong Subscore	Hyperactive Subscore	Dependent Subscore	Peer Conflict/ Withdrawal Subscore
In School	Not In School	In School	Not In School					
MS901323	MS901323	MS901329	MS901329	MS901323	MS901327	MS901335	MS901367	MS901345
MS901325	MS901325	MS901339	MS901339	MS901325	MS901333	MS901337	MS901369	MS901351
MS901327	MS901327	MS901343	MS901343	MS901331	MS901341	MS901347	MS901371	MS901363
MS901329	MS901329	MS901365	MS901365	MS901349	MS901357	MS901353	MS901373	
MS901331	MS901331	MS901419		MS901361	MS901359	MS901355		
MS901333	MS901333	MS901421						
MS901335	MS901335							
MS901337	MS901337							
MS901339	MS901339							
MS901341	MS901341							
MS901343	MS901343							
MS901345	MS901345							
MS901347	MS901347							
MS901349	MS901349							
MS901351	MS901351							
MS901353	MS901353							
MS901355	MS901355							
MS901357	MS901357							
MS901359	MS901359							
MS901361	MS901361							
MS901363	MS901363							
MS901365	MS901365							
MS901367	MS901367							
MS901369	MS901369							
MS901371	MS901371							
MS901373	MS901373							
MS901419								
MS901421								

Table 5.8.3 Behavior Problems Index: Raw Scores by Child Age and Race/Ethnicity (1990 Sample Cases)

		0-4	5-9	10-14	15-19	20+	Valid	Total	% Valid
Age of Child									
4-5 Years		248	295	240	116	42	941	975	96.5
6-7 Years		219	265	207	117	57	865	909	95.2
8-9 Years		192	258	189	124	52	815	860	94.8
10+ Years		296	369	287	150	109	1211	1296	93.4
Total		955	1187	923	507	260	3832	4040	94.9
Race of Child	Age of Child								
Hispanic	4-5 Years	58	64	50	30	4	206	216	95.4
	6-7 Years	52	55	48	24	16	195	204	95.6
	8-9 Years	53	66	50	27	11	207	222	93.2
	10+ Years	70	79	53	39	16	257	279	92.1
	Total	233	264	201	120	47	865	921	93.9
Black	4-5 Years	70	73	68	47	26	284	295	96.3
	6-7 Years	59	100	78	37	22	296	312	94.9
	8-9 Years	73	84	65	49	13	284	302	94.0
	10+ Years	127	163	138	55	57	540	588	91.8
	Total	329	420	349	188	118	1404	1497	93.8
White	4-5 Years	120	158	122	39	12	451	464	97.2
	6-7 Years	108	110	81	56	19	374	393	95.2
	8-9 Years	66	108	74	48	28	324	336	96.4
	10+ Years	99	127	96	56	36	414	429	96.5
	Total	393	503	373	199	95	1563	1622	96.4

Table 5.8.4 Behavior Problems Index: Percentile Scores by Child Age and Race/Ethnicity (1990 Sample Cases)

		1-19	20-39	40-59	60-79	80-89	90+	Valid	Total	% Valid
Age of Child										
4-5 Years		103	151	213	211	113	150	941	975	96.5
6-7 Years		72	147	150	234	107	153	863	907	95.1
8-9 Years		59	104	185	178	146	142	814	859	94.8
10+ Years		79	126	240	342	172	252	1211	1296	93.4
Total		313	528	788	965	538	697	3829	4037	94.8
Race of Child	Age of Child									
Hispanic	4-5 Years	22	38	36	50	28	32	206	216	95.4
	6-7 Years	14	38	34	47	24	37	194	203	95.6
	8-9 Years	20	25	48	48	33	32	206	221	93.2
	10+ Years	12	36	55	69	31	54	257	279	92.1
	Total	68	137	173	214	116	155	863	919	93.9
Black	4-5 Years	26	45	55	60	29	69	284	295	96.3
	6-7 Years	15	44	53	93	38	53	296	312	94.9
	8-9 Years	22	42	57	66	49	48	284	302	94.0
	10+ Years	34	50	110	150	88	108	540	588	91.8
	Total	97	181	275	369	204	278	1404	1497	93.8
White	4-5 Years	55	68	122	101	56	49	451	464	97.2
	6-7 Years	43	65	63	94	45	63	373	392	95.2
	8-9 Years	17	37	80	64	64	62	324	336	96.4
	10+ Years	33	40	75	123	53	90	414	429	96.5
	Total	148	210	340	382	218	264	1562	1621	96.4

Table 5.8.5 Behavior Problems Index: Standard Scores by Child Age and Race/Ethnicity (1990 Sample Cases)

		65-84	85-99	100-114	115-129	130+	Valid	Total	% Valid
Age of Child									
4-5 Years		76	281	361	170	53	941	975	96.5
6-7 Years		72	220	331	193	47	863	907	95.1
8-9 Years		41	205	320	197	51	814	859	94.8
10+ Years		58	253	533	272	95	1211	1296	93.4
Total		247	959	1545	832	246	3829	4037	94.8
Race of Child	Age of Child								
Hispanic	4-5 Years	15	61	75	48	7	206	216	95.4
	6-7 Years	14	50	73	45	12	194	203	95.6
	8-9 Years	14	57	80	45	10	206	221	93.2
	10+ Years	7	69	108	55	18	257	279	92.1
	Total	50	237	336	193	47	863	919	93.9
Black	4-5 Years	18	79	100	58	29	284	295	96.3
	6-7 Years	15	70	130	63	18	296	312	94.9
	8-9 Years	13	78	106	74	13	284	302	94.0
	10+ Years	27	103	236	130	44	540	588	91.8
	Total	73	330	572	325	104	1404	1497	93.8
White	4-5 Years	43	141	186	64	17	451	464	97.2
	6-7 Years	43	100	128	85	17	373	392	95.2
	8-9 Years	14	70	134	78	28	324	336	96.4
	10+ Years	24	81	189	87	33	414	429	96.5
	Total	124	392	637	314	95	1562	1621	96.4

Table 5.8.6 Behavior Problems Index: Percentile Scores by Child Age and Race/Ethnicity (1990 Weighted Distribution)

		1-19	20-39	40-59	60-79	80-89	90+	Total	Mean	Std. Dev.
Age of Child										
4-5 Years		11.9	15.5	25.4	22.4	12.0	12.9	100.0	55.9	27.0
6-7 Years		9.8	16.8	16.8	27.3	12.4	17.0	100.0	59.7	27.6
8-9 Years		6.0	11.8	24.0	20.6	19.0	18.5	100.0	64.6	25.6
10+ Years		6.8	9.6	19.5	28.8	13.5	21.7	100.0	65.8	25.9
Total		8.6	13.2	21.3	25.1	14.0	17.7	100.0	61.7	26.8
Race of Child	Age of Child									
Hispanic	4-5 Years	11.6	17.5	17.3	24.4	14.7	14.5	100.0	57.5	28.1
	6-7 Years	7.3	17.1	16.5	27.4	12.4	19.2	100.0	62.4	26.7
	8-9 Years	9.9	12.5	24.1	21.9	15.3	16.3	100.0	60.8	26.4
	10+ Years	4.3	13.6	20.6	28.5	12.0	21.0	100.0	64.7	25.0
	Total	7.8	14.9	19.9	25.9	13.4	18.1	100.0	61.8	26.5
Black	4-5 Years	9.0	15.8	19.9	22.3	9.9	23.1	100.0	61.4	28.3
	6-7 Years	4.5	14.5	18.0	32.8	12.8	17.4	100.0	63.7	24.9
	8-9 Years	7.6	14.9	18.8	22.7	18.0	18.1	100.0	63.2	26.7
	10+ Years	6.2	9.0	21.1	26.4	16.2	21.1	100.0	66.5	25.6
	Total	6.7	12.6	19.8	26.2	14.6	20.2	100.0	64.2	26.3
White	4-5 Years	12.5	15.2	27.2	22.2	12.2	10.7	100.0	54.7	26.5
	6-7 Years	11.3	17.4	16.6	25.9	12.2	16.6	100.0	58.5	28.3
	8-9 Years	5.1	11.0	25.4	19.9	19.7	18.9	100.0	65.4	25.1
	10+ Years	7.5	9.3	18.8	29.7	12.7	22.1	100.0	65.7	26.1
	Total	9.2	13.1	21.9	24.7	13.9	17.0	100.0	60.9	27.0

Table 5.8.7 Behavior Problems Index: Percentile Scores by Maternal Characteristics and Age of Child (1990 Weighted Distribution)

		1-19	20-39	40-59	60-79	80-89	90-99	Total	Mean	Std. Dev.
Maternal Education Age of Child										
< 12 Years	4-5 Years	5.9	10.2	26.3	17.3	17.2	23.2	100.0	65.0	26.6
	6-7 Years	11.4	12.6	16.6	22.7	14.6	22.0	100.0	62.1	28.9
	8-9 Years	3.9	8.9	22.7	19.0	22.0	23.4	100.0	69.0	24.2
	10+ Years	7.1	8.2	19.8	25.7	12.7	26.5	100.0	67.0	26.5
	Total	7.0	9.5	20.8	22.5	15.7	24.5	100.0	66.2	26.6
12 Years	4-5 Years	13.7	14.3	24.3	24.8	11.9	10.9	100.0	55.0	26.9
	6-7 Years	8.5	21.9	16.2	26.3	9.8	17.3	100.0	58.3	27.5
	8-9 Years	6.2	12.8	23.0	26.0	15.5	16.4	100.0	63.1	25.5
	10+ Years	6.3	11.0	19.5	27.9	13.1	22.2	100.0	65.8	26.0
	Total	8.8	14.9	20.8	26.3	12.5	16.8	100.0	60.6	26.9
13+ Years	4-5 Years	12.5	19.6	26.3	21.6	9.5	10.4	100.0	52.6	26.4
	6-7 Years	10.5	12.2	18.1	32.5	14.1	12.5	100.0	59.8	26.7
	8-9 Years	8.6	13.8	28.3	10.3	22.5	16.6	100.0	61.6	26.8
	10+ Years	7.6	10.1	19.3	36.4	16.7	10.0	100.0	62.8	24.2
	Total	10.2	14.5	23.0	25.8	14.6	11.9	100.0	58.3	26.4
Mother's Age at Birth of Child										
Under 20 Years		6.4	10.7	20.1	27.8	14.4	20.6	100.0	65.1	25.7
20-24 Years		8.1	12.9	20.4	25.7	14.8	18.2	100.0	62.6	26.7
25-29 Years		13.4	17.8	25.7	19.5	11.4	12.2	100.0	53.8	27.4

Table 5.8.8 Behavior Problems Index: Standard Scores by Child Age and Race/Ethnicity (1990 Weighted Distribution)

		65-84	85-99	100-114	115-129	130+	Total	Mean	Std. Dev.
Age of Child									
4-5 Years		9.2	30.6	40.3	15.2	4.8	100.0	103.4	14.2
6-7 Years		9.8	25.8	37.1	22.7	4.6	100.0	105.0	14.3
8-9 Years		4.6	23.0	40.3	24.6	7.5	100.0	107.8	14.2
10+ Years		5.0	20.4	44.5	21.7	8.4	100.0	108.6	14.6
Total		7.0	24.7	40.9	20.9	6.5	100.0	106.3	14.5
Race of Child	Age of Child								
Hispanic	4-5 Years	8.4	29.1	36.1	23.5	2.9	100.0	103.8	14.0
	6-7 Years	7.3	24.1	39.4	23.4	5.8	100.0	106.6	13.8
	8-9 Years	6.7	29.9	36.0	22.8	4.6	100.0	105.7	14.0
	10+ Years	2.9	25.5	43.3	21.4	6.8	100.0	107.7	13.4
	Total	5.9	27.0	39.3	22.6	5.3	100.0	106.2	13.8
Black	4-5 Years	6.4	27.7	37.2	18.7	10.0	100.0	106.8	15.9
	6-7 Years	4.5	24.2	44.6	21.1	5.6	100.0	107.1	13.3
	8-9 Years	4.8	26.3	36.4	27.7	4.8	100.0	106.8	13.9
	10+ Years	4.9	19.3	42.8	24.8	8.2	100.0	109.1	14.8
	Total	5.1	23.3	40.9	23.4	7.4	100.0	107.8	14.6
White	4-5 Years	9.8	31.3	41.3	13.7	3.9	100.0	102.6	13.7
	6-7 Years	11.3	26.3	35.1	23.0	4.3	100.0	104.3	14.5
	8-9 Years	4.2	21.3	41.9	24.1	8.5	100.0	108.4	14.3
	10+ Years	5.4	20.1	45.2	20.6	8.7	100.0	108.5	14.7
	Total	7.7	24.8	41.1	20.0	6.3	100.0	105.9	14.5

Table 5.8.9 Behavior Problems Index: Standard Scores by Maternal Characteristics and Age of Child (1990 Weighted Distribution)

		65-84	85-99	100-114	115-129	130+	Total	Mean	Std. Dev.
Maternal Education Age of Child									
< 12 Years	4-5 Years	4.5	22.3	38.7	24.4	10.2	100.0	108.6	15.3
	6-7 Years	11.4	21.5	31.8	26.6	8.6	100.0	106.6	15.6
	8-9 Years	2.6	19.2	38.8	29.9	9.4	100.0	110.5	14.4
	10+ Years	5.5	21.3	37.2	26.0	10.0	100.0	109.6	15.4
	Total	5.8	21.0	36.8	26.7	9.7	100.0	109.1	15.3
12 Years	4-5 Years	10.4	30.5	41.6	13.0	4.6	100.0	102.8	14.0
	6-7 Years	8.5	30.9	36.0	20.3	4.3	100.0	104.4	14.2
	8-9 Years	4.9	23.3	43.4	22.3	6.0	100.0	106.9	13.9
	10+ Years	5.2	19.2	46.2	19.7	9.7	100.0	108.7	14.8
	Total	7.3	25.9	42.0	18.6	6.2	100.0	105.7	14.4
13+ Years	4-5 Years	9.8	34.9	39.3	13.6	2.3	100.0	101.5	13.3
	6-7 Years	10.5	21.1	43.2	23.0	2.1	100.0	104.5	13.2
	8-9 Years	6.6	27.8	34.9	22.7	8.1	100.0	106.4	14.2
	10+ Years	3.7	21.2	56.2	16.4	2.5	100.0	106.0	11.9
	Total	8.0	27.0	43.4	18.2	3.3	100.0	104.2	13.3
Age of Mother at Birth of Child									
Under 20 Years		5.3	22.1	42.3	23.1	7.3	100.0	108.2	14.3
20-24 Years		6.9	22.8	41.7	21.7	6.9	100.0	106.7	14.5
25-29 Years		10.2	33.9	36.7	15.3	3.9	100.0	102.3	14.1

Note: Table constructed using "same gender" scores.

Table 5.8.10 Behavior Problems Index: Standard Scores for Male Children by Child Age and Race/Ethnicity
(1990 Weighted Distribution)

		65-84	85-99	100-114	115-129	130+	Total	Mean	Std. Dev.
Age of Child									
4-5 Years		10.6	34.3	33.6	15.5	6.0	100.0	102.6	15.0
6-7 Years		11.3	24.3	41.9	19.9	2.6	100.0	103.6	14.8
8-9 Years		5.8	24.5	37.3	24.3	8.1	100.0	107.9	14.4
10+ Years		6.3	22.6	41.9	20.4	8.8	100.0	107.9	14.9
Total		8.3	26.2	38.9	19.9	6.6	100.0	105.7	15.0
Race of Child	Age of Child								
Hispanic	4-5 Years	9.8	29.6	36.6	20.4	3.6	100.0	103.0	15.0
	6-7 Years	5.3	21.8	43.6	26.0	3.3	100.0	107.9	13.4
	8-9 Years	7.0	24.1	39.7	23.2	6.1	100.0	107.5	13.7
	10+ Years	3.9	25.6	42.9	21.8	5.7	100.0	107.2	13.2
	Total	6.1	25.5	41.0	22.6	4.9	100.0	106.4	13.9
Black	4-5 Years	5.7	27.8	38.4	16.7	11.4	100.0	106.6	16.2
	6-7 Years	4.0	20.4	48.8	21.8	5.0	100.0	107.4	13.9
	8-9 Years	8.4	28.0	33.7	27.3	2.5	100.0	105.7	13.8
	10+ Years	7.6	20.7	40.6	23.9	7.2	100.0	107.9	15.0
	Total	6.7	23.4	40.3	22.8	6.7	100.0	107.1	14.9
White	4-5 Years	11.6	36.1	32.3	14.8	5.2	100.0	101.7	14.6
	6-7 Years	13.3	25.4	40.3	19.0	2.1	100.0	102.5	14.9
	8-9 Years	5.0	23.6	37.9	23.7	9.8	100.0	108.5	14.6
	10+ Years	6.1	22.8	42.2	18.8	10.0	100.0	108.1	15.1
	Total	9.0	27.0	38.3	18.8	6.8	100.0	105.2	15.1

Note: Table constructed using "same gender" scores.

Table 5.8.11 Behavior Problems Index: Standard Scores for Male Children by Maternal Characteristics and Age of Child
(1990 Weighted Distribution)

		65-84	85-99	100-114	115-129	130+	Total	Mean	Std. Dev.
Maternal Education Age of Child									
< 12 Years	4-5 Years	3.8	29.0	32.9	21.3	13.0	100.0	108.4	15.1
	6-7 Years	12.6	21.3	38.0	23.4	4.7	100.0	105.2	16.7
	8-9 Years	5.2	20.1	34.9	27.4	12.3	100.0	110.7	15.2
	10+ Years	4.6	22.0	33.3	27.2	12.9	100.0	110.8	15.7
	Total	6.2	22.6	34.5	25.6	11.1	100.0	109.3	15.9
12 Years	4-5 Years	11.1	36.7	34.3	14.0	4.0	100.0	101.4	14.1
	6-7 Years	11.2	26.0	42.8	16.9	3.1	100.0	103.6	14.5
	8-9 Years	5.6	22.7	43.9	22.6	5.3	100.0	106.7	13.3
	10+ Years	7.5	24.0	43.3	17.0	8.3	100.0	106.7	15.0
	Total	8.7	27.3	41.1	17.6	5.4	100.0	104.7	14.4
13+ Years	4-5 Years	13.4	33.9	33.1	14.5	5.1	100.0	101.1	15.3
	6-7 Years	10.2	24.5	44.0	21.3		100.0	102.4	13.2
	8-9 Years	7.3	35.4	23.4	24.5	9.5	100.0	107.1	15.7
	10+ Years	7.2	21.0	56.2	13.3	2.3	100.0	104.7	11.9
	Total	10.0	28.4	40.2	17.5	3.8	100.0	103.3	14.2
Mother's Age at Birth of Child									
Under 20 Years		6.5	23.1	41.2	21.0	8.2	100.0	107.6	14.5
20-24 Years		7.7	25.5	39.1	21.4	6.3	100.0	106.2	14.9
25-29 Years		13.1	33.2	34.7	14.0	4.9	100.0	101.1	15.1

Note: Table constructed using "same gender" scores.

Table 5.8.12 Behavior Problems Index: Standard Scores for Female Children by Child Age and Race/Ethnicity
(1990 Weighted Distribution)

		65-84	85-99	100-114	115-129	130+	Total	Mean	Std. Dev.
Age of Child									
4-5 Years		5.0	33.2	41.8	17.2	2.8	100.0	103.7	13.3
6-7 Years		5.8	26.0	38.7	23.3	6.2	100.0	106.5	13.9
8-9 Years		3.4	22.0	45.6	21.0	8.0	100.0	107.7	13.7
10+ Years		5.1	18.8	43.2	26.5	6.4	100.0	109.2	14.1
Total		4.9	24.9	42.3	22.2	5.8	100.0	106.8	13.9
Race of Child	Age of Child								
Hispanic	4-5 Years	4.9	32.6	33.4	26.2	2.8	100.0	104.3	13.7
	6-7 Years	5.4	31.6	38.0	19.3	5.7	100.0	105.6	14.0
	8-9 Years	7.3	31.1	39.5	18.9	3.2	100.0	103.8	13.5
	10+ Years	2.9	27.5	40.4	24.5	4.7	100.0	108.2	13.6
	Total	5.0	30.4	38.2	22.3	4.2	100.0	105.7	13.8
Black	4-5 Years	4.7	29.3	35.8	21.4	8.9	100.0	106.5	15.2
	6-7 Years	2.3	21.9	47.1	21.8	6.9	100.0	107.9	12.7
	8-9 Years	3.2	23.9	40.3	23.7	9.0	100.0	108.1	14.3
	10+ Years	3.7	18.1	44.4	25.2	8.6	100.0	110.1	14.1
	Total	3.5	22.3	42.5	23.4	8.3	100.0	108.5	14.2
White	4-5 Years	5.1	34.0	43.7	15.6	1.6	100.0	103.2	12.7
	6-7 Years	6.9	26.5	36.4	24.2	6.1	100.0	106.2	14.2
	8-9 Years	2.9	20.2	47.8	20.6	8.4	100.0	108.1	13.5
	10+ Years	5.9	18.0	43.1	27.2	5.8	100.0	109.0	14.1
	Total	5.3	24.9	42.7	21.8	5.2	100.0	106.5	13.8

Note: Table constructed using "same gender" scores.

Table 5.8.13 Behavior Problems Index: Standard Scores for Female Children by Maternal Characteristics and Age of Child
(1990 Weighted Distribution)

		65-84	85-99	100-114	115-129	130+	Total	Mean	Std. Dev.
Maternal Education Age of Child									
< 12 Years	4-5 Years	4.4	27.0	31.9	30.4	6.3	100.0	107.4	14.3
	6-7 Years	5.6	23.2	31.9	31.0	8.4	100.0	108.5	14.6
	8-9 Years	2.1	17.2	43.5	27.0	10.2	100.0	110.2	13.5
	10+ Years	7.7	19.1	40.9	26.7	5.7	100.0	108.7	14.6
	Total	5.6	20.5	38.7	28.0	7.2	100.0	108.8	14.3
12 Years	4-5 Years	6.0	31.1	44.5	15.3	3.2	100.0	103.8	13.8
	6-7 Years	4.1	34.1	36.0	18.0	7.7	100.0	105.6	13.9
	8-9 Years	5.0	23.5	46.4	15.9	9.2	100.0	106.8	14.4
	10+ Years	3.3	17.0	41.3	29.3	9.1	100.0	110.7	14.3
	Total	4.6	26.6	41.9	19.8	7.1	100.0	106.7	14.3
13+ Years	4-5 Years	4.0	38.7	43.0	13.6	0.7	100.0	102.0	11.6
	6-7 Years	8.8	15.1	47.8	25.9	2.4	100.0	106.5	13.4
	8-9 Years	2.4	25.8	45.5	22.7	3.6	100.0	105.9	12.4
	10+ Years	2.8	22.7	51.2	20.5	2.7	100.0	107.2	11.9
	Total	4.7	27.0	46.3	19.9	2.1	100.0	105.0	12.5
Mother's Age at Birth of Child									
Under 20 Years		4.3	21.4	42.2	24.9	7.2	100.0	108.8	13.9
20-24 Years		4.8	23.5	42.8	22.7	6.2	100.0	107.2	14.0
25-29 Years		6.0	33.5	41.3	16.8	2.4	100.0	103.0	13.0

Note: Table constructed using "same gender" scores.

Table 5.8.14 Behavior Problems Index: Percentile Score for Male Children by Maternal Characteristics and Age of Child
(1990 Weighted Distribution)

		1-19	20-39	40-59	60-79	80-89	90-99	Total	Mean	Std. Dev.
Maternal Education Age of Child										
< 12 Years	4-5 Years	5.9	8.7	33.2	12.4	20.4	19.5	100.0	64.7	26.0
	6-7 Years	14.4	12.3	19.9	18.1	12.9	22.4	100.0	59.5	30.3
	8-9 Years	5.2	3.7	25.2	22.3	15.3	28.4	100.0	68.9	24.8
	10+ Years	5.3	10.7	18.2	20.5	15.1	30.2	100.0	68.6	26.4
	Total	7.2	9.3	22.2	19.1	15.5	26.6	100.0	66.2	27.1
12 Years	4-5 Years	13.3	17.6	27.8	19.1	12.7	9.5	100.0	52.5	27.0
	6-7 Years	12.9	17.3	15.3	28.6	11.6	14.3	100.0	57.2	27.8
	8-9 Years	5.6	15.4	19.2	27.4	14.3	18.1	100.0	63.2	25.1
	10+ Years	7.5	14.4	17.9	31.4	11.4	17.5	100.0	62.3	26.9
	Total	9.7	16.1	20.1	26.8	12.5	14.9	100.0	59.0	27.1
13+ Years	4-5 Years	16.5	21.1	21.2	20.3	9.6	11.3	100.0	51.5	28.6
	6-7 Years	16.1	15.4	19.7	25.2	14.4	9.1	100.0	55.3	26.7
	8-9 Years	7.3	15.6	20.8	17.1	15.6	23.6	100.0	62.3	29.1
	10+ Years	8.2	11.3	22.2	37.5	11.0	9.8	100.0	60.6	24.4
	Total	12.8	16.3	21.0	25.5	12.1	12.3	100.0	56.5	27.5
Mother's Age at Birth of Child										
Under 20 Years		7.1	11.3	22.1	25.5	13.3	20.7	100.0	64.0	26.0
20-24 Years		8.5	14.0	19.1	26.3	13.3	18.7	100.0	61.6	27.3
25-29 Years		17.5	19.2	24.2	16.4	13.0	9.9	100.0	51.4	28.3

Note: Table constructed using "same gender" scores.

Table 5.8.15 Behavior Problems Index: Percentile Score for Female Children by Maternal Characteristics and Age of Child
(1990 Weighted Distribution)

		1-19	20-39	40-59	60-79	80-89	90-99	Total	Mean	Std. Dev.
Maternal Education Age of Child										
< 12 Years	4-5 Years	5.4	16.9	20.8	18.8	16.6	21.5	100.0	63.8	27.0
	6-7 Years	9.7	11.5	20.9	17.0	17.4	23.6	100.0	65.4	27.3
	8-9 Years	2.1	8.6	23.3	22.6	19.4	24.0	100.0	69.2	23.6
	10+ Years	8.0	9.1	18.0	29.9	10.6	24.5	100.0	66.2	26.7
	Total	6.5	10.6	20.1	24.5	14.6	23.8	100.0	66.4	26.2
12 Years	4-5 Years	12.0	18.2	15.7	30.6	12.6	10.9	100.0	57.3	27.0
	6-7 Years	5.3	22.5	21.9	19.0	11.6	19.7	100.0	59.9	26.6
	8-9 Years	5.9	15.1	23.8	23.7	14.5	17.0	100.0	62.3	26.0
	10+ Years	4.1	11.2	15.6	25.8	18.5	24.8	100.0	69.5	24.7
	Total	7.0	16.8	18.8	25.0	14.3	18.0	100.0	62.2	26.5
13+ Years	4-5 Years	8.2	25.3	21.6	29.3	8.1	7.5	100.0	54.0	24.5
	6-7 Years	11.1	9.2	13.5	30.2	20.2	15.8	100.0	63.8	26.7
	8-9 Years	6.7	11.5	26.7	20.9	15.8	18.4	100.0	61.9	24.8
	10+ Years	5.8	13.9	9.8	39.9	15.1	15.5	100.0	64.9	24.2
	Total	8.2	16.3	18.1	30.0	14.1	13.3	100.0	60.2	25.5
Mother's Age at Birth of Child										
Under 20 Years		5.4	10.9	19.1	28.0	13.7	22.9	100.0	66.5	25.4
20-24 Years		7.2	14.0	18.3	26.0	16.4	18.1	100.0	63.7	26.1
25-29 Years		9.4	22.6	20.2	24.5	10.6	12.7	100.0	55.8	26.4

Note: Table constructed using "same gender" scores.

Table 5.8.16 Behavior Problems Index: Peer Conflict Percentile Scores by Child Age and Race/Ethnicity
(1990 Weighted Distribution)

		40-59	80-89	90-99	Total	Mean	Std. Dev.
Age of Child							
4-5 Years		70.2		29.8	100.0	57.4	23.1
6-7 Years		68.1	19.5	12.5	100.0	57.8	23.9
8-9 Years		66.1	20.5	13.4	100.0	57.1	23.8
10+ Years		64.9	18.4	16.7	100.0	58.9	24.3
Total		67.2	14.6	18.2	100.0	57.9	23.8
Race of Child	Age of Child						
Hispanic	4-5 Years	69.5		30.5	100.0	57.6	23.0
	6-7 Years	66.2	23.4	10.4	100.0	58.6	24.0
	8-9 Years	69.9	16.0	14.2	100.0	55.5	23.5
	10+ Years	68.0	17.3	14.7	100.0	57.3	23.7
	Total	68.4	14.3	17.3	100.0	57.2	23.6
Black	4-5 Years	64.7		35.3	100.0	60.5	24.6
	6-7 Years	68.1	18.4	13.5	100.0	57.9	24.1
	8-9 Years	66.3	19.9	13.8	100.0	57.1	23.9
	10+ Years	63.3	19.3	17.4	100.0	59.8	24.5
	Total	65.2	15.4	19.4	100.0	59.0	24.3
White	4-5 Years	74.0		26.0	100.0	55.4	21.9
	6-7 Years	69.1	18.3	12.6	100.0	57.4	23.7
	8-9 Years	63.4	24.0	12.6	100.0	58.3	24.1
	10+ Years	65.3	17.8	16.9	100.0	58.7	24.3
	Total	68.3	14.1	17.6	100.0	57.4	23.5

Table 5.8.17 Behavior Problems Index: Peer Conflict Standard Scores by Child Age and Race/Ethnicity
(1990 Weighted Distribution)

		85-99	115-129	130+	Total	Mean	Std. Dev.
Age of Child							
4-5 Years		72.5	20.5	7.0	100.0	104.4	12.5
6-7 Years		68.4	28.7	2.9	100.0	105.5	13.1
8-9 Years		64.6	32.4	3.0	100.0	104.7	12.4
10+ Years		65.1	28.8	6.1	100.0	105.9	13.2
Total		67.6	27.5	5.0	100.0	105.2	12.9
Race of Child	Age of Child						
Hispanic	4-5 Years	71.4	21.8	6.8	100.0	104.5	12.4
	6-7 Years	66.5	29.0	4.5	100.0	105.9	13.2
	8-9 Years	69.9	26.9	3.2	100.0	103.7	12.4
	10+ Years	67.8	27.0	5.3	100.0	104.9	12.6
	Total	68.8	26.3	5.0	100.0	104.7	12.7
Black	4-5 Years	66.7	20.7	12.7	100.0	106.7	14.7
	6-7 Years	69.2	27.7	3.1	100.0	105.3	13.2
	8-9 Years	64.2	33.0	2.7	100.0	104.9	12.5
	10+ Years	63.1	30.3	6.5	100.0	106.4	13.4
	Total	65.3	28.4	6.3	100.0	106.0	13.5
White	4-5 Years	73.7	20.3	5.9	100.0	103.9	12.0
	6-7 Years	68.5	28.9	2.6	100.0	105.4	13.1
	8-9 Years	63.9	33.1	3.0	100.0	104.8	12.3
	10+ Years	65.4	28.5	6.0	100.0	105.8	13.2
	Total	68.1	27.3	4.6	100.0	105.0	12.7

Table 5.8.18 Behavior Problems Index: Hyperactive Percentile Scores by Child Age and Race/Ethnicity
(1990 Weighted Distribution)

		1-19	20-39	40-59	60-79	80-89	90-99	Total	Mean	Std. Dev.
Age of Child										
4-5 Years		27.3		21.4	20.9	19.0	11.4	100.0	56.1	28.0
6-7 Years		23.6		20.8	20.2	17.4	18.0	100.0	58.8	28.0
8-9 Years		21.9		19.4	21.4	17.4	20.0	100.0	59.7	27.5
10+ Years		11.8	10.9	24.4	16.7	17.4	18.7	100.0	60.9	27.1
Total		20.4	3.5	21.8	19.5	17.8	17.0	100.0	59.0	27.7
Race of Child	Age of Child									
Hispanic	4-5 Years	22.9		21.6	20.0	19.0	16.5	100.0	59.6	28.0
	6-7 Years	19.4		25.0	14.6	17.0	23.9	100.0	61.5	27.9
	8-9 Years	27.2		19.2	18.9	13.6	21.0	100.0	56.9	28.9
	10+ Years	9.5	15.7	25.8	14.2	15.1	19.7	100.0	59.3	27.6
	Total	18.6	5.4	23.2	16.6	15.9	20.2	100.0	59.2	28.1
Black	4-5 Years	21.9		19.1	17.8	23.2	18.0	100.0	61.9	28.6
	6-7 Years	19.7		18.0	20.9	17.8	23.6	100.0	63.0	27.9
	8-9 Years	22.4		21.8	16.7	17.4	21.6	100.0	59.5	28.2
	10+ Years	9.8	15.6	21.3	17.3	15.6	20.3	100.0	60.5	27.9
	Total	16.5	6.5	20.3	18.0	17.9	20.8	100.0	61.1	28.1
White	4-5 Years	28.8		21.8	21.6	18.2	9.7	100.0	54.6	27.7
	6-7 Years	25.0		21.1	20.6	17.4	16.0	100.0	57.5	27.9
	8-9 Years	21.0		18.8	22.9	17.9	19.4	100.0	60.1	27.1
	10+ Years	13.0	8.4	25.4	16.9	18.4	17.9	100.0	61.2	26.7
	Total	21.7	2.4	22.1	20.2	18.0	15.5	100.0	58.3	27.5

Table 5.8.19 Behavior Problems Index: Hyperactive Standard Scores by Child Age and Race/Ethnicity
(1990 Weighted Distribution)

		85-99	100-114	115-129	130+	Total	Mean	Std. Dev.
Age of Child								
4-5 Years		48.7	30.6	16.8	4.0	100.0	103.6	13.8
6-7 Years		44.4	37.6	11.6	6.4	100.0	104.7	13.9
8-9 Years		41.3	38.7	11.2	8.8	100.0	105.5	13.9
10+ Years		26.1	46.6	21.3	6.1	100.0	105.9	13.4
Total		39.0	39.0	15.9	6.2	100.0	105.0	13.7
Race of Child	Age of Child							
Hispanic	4-5 Years	44.5	30.3	21.1	4.2	100.0	105.4	14.1
	6-7 Years	44.5	31.6	16.3	7.7	100.0	106.2	14.1
	8-9 Years	46.4	32.6	12.6	8.5	100.0	104.3	14.5
	10+ Years	28.2	44.8	21.1	5.9	100.0	105.3	13.6
	Total	39.3	36.1	18.0	6.5	100.0	105.2	14.0
Black	4-5 Years	41.0	29.1	21.6	8.4	100.0	107.0	15.2
	6-7 Years	37.7	38.7	13.7	9.9	100.0	106.9	14.3
	8-9 Years	44.3	34.1	11.3	10.3	100.0	105.6	14.4
	10+ Years	29.3	42.4	20.9	7.5	100.0	106.0	14.0
	Total	36.1	37.5	17.8	8.7	100.0	106.3	14.4
White	4-5 Years	50.6	30.9	15.4	3.1	100.0	102.7	13.3
	6-7 Years	46.1	37.9	10.6	5.5	100.0	103.9	13.7
	8-9 Years	39.8	40.8	10.9	8.4	100.0	105.6	13.6
	10+ Years	24.5	48.5	21.5	5.5	100.0	106.0	13.1
	Total	39.7	39.7	15.1	5.4	100.0	104.6	13.5

Table 5.8.20 Behavior Problems Index: Headstrong Percentile Scores by Child Age and Race/Ethnicity
(1990 Weighted Distribution)

		1-19	20-39	40-59	60-79	80-89	90-99	Total	Mean	Std. Dev.
Age of Child										
4-5 Years		16.0	18.3	19.9	25.3	8.1	12.3	100.0	53.7	26.8
6-7 Years		17.8	17.6	18.3	16.7	16.9	12.8	100.0	54.3	27.9
8-9 Years		14.5	13.9	20.4	18.0	18.4	14.7	100.0	60.4	26.6
10+ Years		14.9	10.3	21.0	17.9	17.2	18.6	100.0	62.4	27.5
Total		15.8	14.7	20.0	19.5	15.1	14.9	100.0	58.0	27.5
Race of Child	Age of Child									
Hispanic	4-5 Years	20.4	17.4	17.6	22.6	12.6	9.6	100.0	52.0	27.7
	6-7 Years	17.0	18.6	15.8	14.6	18.8	15.2	100.0	55.6	28.6
	8-9 Years	20.5	18.8	16.9	16.6	13.8	13.3	100.0	54.9	28.2
	10+ Years	13.9	9.9	24.7	19.9	16.3	15.2	100.0	61.7	26.3
	Total	17.5	15.4	19.5	18.6	15.4	13.6	100.0	56.8	27.8
Black	4-5 Years	17.2	19.7	22.7	20.4	8.1	11.9	100.0	51.9	26.8
	6-7 Years	18.8	20.4	19.2	18.4	16.0	7.1	100.0	50.9	26.5
	8-9 Years	21.0	16.3	19.8	14.9	16.8	11.3	100.0	55.0	28.0
	10+ Years	17.0	8.9	25.1	20.4	15.6	12.9	100.0	59.1	26.8
	Total	18.2	14.8	22.4	19.0	14.5	11.2	100.0	55.3	27.2
White	4-5 Years	15.4	18.1	19.6	26.5	7.7	12.7	100.0	54.2	26.6
	6-7 Years	17.6	16.8	18.3	16.4	17.0	13.9	100.0	54.9	28.0
	8-9 Years	12.0	12.7	21.1	19.0	19.5	15.8	100.0	62.6	25.7
	10+ Years	14.3	10.9	18.9	16.7	17.9	21.3	100.0	63.8	27.9
	Total	14.9	14.6	19.4	19.8	15.2	16.1	100.0	58.9	27.5

Table 5.8.21 Behavior Problems Index: Headstrong Standard Scores by Child Age and Race/Ethnicity (1990 Weighted Distribution)

		70-84	85-99	100-114	115-129	130+	Total	Mean	Std. Dev.
Age of Child									
4-5 Years		16.0	28.3	43.4	12.3		100.0	102.0	12.7
6-7 Years		17.8	26.1	43.4	12.8		100.0	102.2	13.1
8-9 Years		14.5	13.9	38.4	33.1		100.0	105.2	12.7
10+ Years		9.5	24.5	30.2	35.7	0.1	100.0	106.3	13.6
Total		14.0	23.6	38.1	24.1	0.0	100.0	104.1	13.2
Race of Child	Age of Child								
Hispanic	4-5 Years	20.4	27.8	42.2	9.6		100.0	101.1	12.9
	6-7 Years	17.0	26.9	40.8	15.2		100.0	102.9	13.5
	8-9 Years	20.5	18.8	33.5	27.1		100.0	102.7	13.4
	10+ Years	7.4	25.8	35.3	31.5		100.0	105.8	12.9
	Total	15.2	24.8	37.5	22.6		100.0	103.5	13.3
Black	4-5 Years	17.2	31.8	39.1	11.9		100.0	101.2	12.8
	6-7 Years	18.8	29.6	44.4	7.1		100.0	100.5	12.2
	8-9 Years	21.0	16.3	34.7	28.1		100.0	102.7	13.2
	10+ Years	10.3	26.2	34.9	28.2	0.3	100.0	104.6	13.0
	Total	15.4	26.2	37.6	20.7	0.1	100.0	102.7	12.9
White	4-5 Years	15.4	27.6	44.3	12.7		100.0	102.2	12.7
	6-7 Years	17.6	25.1	43.4	13.9		100.0	102.5	13.3
	8-9 Years	12.0	12.7	40.0	35.3		100.0	106.2	12.4
	10+ Years	9.6	23.6	27.6	39.2		100.0	107.1	13.9
	Total	13.5	22.8	38.4	25.3		100.0	104.5	13.3

Table 5.8.22 Behavior Problems Index: Dependent Percentile Scores by Child Age and Race/Ethnicity
(1990 Weighted Distribution)

		1-19	20-39	40-59	60-79	80-89	90-99	Total	Mean	Std. Dev.
Age of Child										
4-5 Years		25.5		27.9	22.0		24.5	100.0	58.4	27.9
6-7 Years			33.1	26.6	20.4		19.8	100.0	57.5	27.4
8-9 Years			33.3		29.5	21.4	15.8	100.0	60.4	26.6
10+ Years			38.3	6.2	27.2	15.7	12.6	100.0	58.4	25.9
Total		7.5	24.4	16.5	24.4	8.3	18.8	100.0	58.6	27.1
Race of Child	Age of Child									
Hispanic	4-5 Years	26.7		29.9	18.4		24.9	100.0	57.3	28.0
	6-7 Years		24.7	32.5	19.3		23.5	100.0	61.5	25.9
	8-9 Years		36.9		25.0	28.0	10.2	100.0	58.7	26.9
	10+ Years		40.9	5.8	19.5	20.5	13.3	100.0	58.3	26.9
	Total	6.7	25.5	16.7	20.8	12.5	17.8	100.0	58.9	27.0
Black	4-5 Years	21.7		20.5	19.2		38.6	100.0	64.9	28.9
	6-7 Years		22.9	23.8	26.1		27.2	100.0	65.2	26.6
	8-9 Years		31.6		27.1	22.6	18.8	100.0	62.2	26.9
	10+ Years		28.2	7.9	28.7	15.7	19.5	100.0	63.8	25.8
	Total	5.4	20.7	13.2	25.3	9.4	26.0	100.0	64.1	27.1
White	4-5 Years	26.2		29.2	22.9		21.7	100.0	57.2	27.5
	6-7 Years		36.5	26.7	19.1		17.7	100.0	55.2	27.4
	8-9 Years		33.2		30.8	20.2	15.8	100.0	60.2	26.4
	10+ Years		41.5	5.6	27.7	15.1	10.1	100.0	56.5	25.6
	Total	8.2	25.3	17.3	24.6	7.6	17.1	100.0	57.3	26.9

Table 5.8.23 Behavior Problems Index: Dependent Standard Scores by Child Age and Race/Ethnicity (1990 Weighted Distribution)

		85-99	100-114	115-129	130+	Total	Mean	Std. Dev.
Age of Child								
4-5 Years		25.5	49.9	15.4	9.2	100.0	104.7	13.7
6-7 Years		33.1	47.0	14.4	5.4	100.0	104.0	13.1
8-9 Years		33.3	29.5	32.3	4.9	100.0	105.5	12.8
10+ Years		44.5	27.2	23.8	4.6	100.0	105.0	12.6
Total		33.2	39.7	20.9	6.2	100.0	104.7	13.1
Race of Child	Age of Child							
Hispanic	4-5 Years	26.7	48.3	16.7	8.2	100.0	104.2	13.7
	6-7 Years	24.7	51.8	16.7	6.8	100.0	105.9	12.7
	8-9 Years	36.9	25.0	32.2	6.0	100.0	104.7	12.9
	10+ Years	46.7	19.5	31.3	2.5	100.0	104.9	12.7
	Total	33.5	36.2	24.3	6.0	100.0	104.9	13.0
Black	4-5 Years	21.7	39.7	24.4	14.2	100.0	108.2	14.6
	6-7 Years	22.9	50.0	16.0	11.1	100.0	107.8	13.4
	8-9 Years	31.6	27.1	35.5	5.9	100.0	106.5	13.2
	10+ Years	36.1	28.7	28.7	6.6	100.0	107.8	13.1
	Total	28.0	36.5	26.0	9.5	100.0	107.6	13.6
White	4-5 Years	26.2	52.1	13.4	8.3	100.0	104.0	13.4
	6-7 Years	36.5	45.8	13.8	3.9	100.0	102.8	12.8
	8-9 Years	33.2	30.8	31.6	4.4	100.0	105.4	12.7
	10+ Years	47.1	27.7	21.1	4.2	100.0	104.0	12.3
	Total	34.5	40.9	19.2	5.4	100.0	104.0	12.9

Table 5.8.24 Behavior Problems Index: Anxious/Depressed Percentile Scores by Child Age and Race/Ethnicity
(1990 Weighted Distribution)

		1-19	20-39	40-59	60-79	80-89	90-99	Total	Mean	Std. Dev.
Age of Child										
4-5 Years		15.7	16.7	30.2	21.5	5.6	10.3	100.0	53.3	27.7
6-7 Years		24.7		29.4	21.9	12.3	11.7	100.0	56.4	27.0
8-9 Years		20.3		26.8	21.4	13.0	18.5	100.0	60.4	26.9
10+ Years		15.2	3.1	28.9	19.2	13.8	19.8	100.0	61.4	26.5
Total		18.5	5.1	28.9	20.8	11.3	15.3	100.0	58.0	27.2
Race of Child	Age of Child									
Hispanic	4-5 Years	11.7	16.7	32.8	22.6	7.4	8.8	100.0	54.7	26.4
	6-7 Years	21.3		29.3	22.0	14.0	13.4	100.0	58.9	26.8
	8-9 Years	23.6		27.4	19.3	17.2	12.5	100.0	57.6	27.0
	10+ Years	14.8	3.9	35.5	17.2	14.6	14.0	100.0	58.5	25.2
	Total	17.6	4.8	31.7	19.8	13.6	12.4	100.0	57.6	26.3
Black	4-5 Years	14.1	11.0	29.5	25.6	5.2	14.6	100.0	58.4	27.5
	6-7 Years	19.9		30.8	27.3	14.1	7.9	100.0	58.1	25.1
	8-9 Years	22.6		29.5	25.4	10.5	12.0	100.0	56.5	25.6
	10+ Years	11.1	4.1	30.9	24.2	14.1	15.7	100.0	61.9	24.6
	Total	15.6	3.8	30.4	25.3	11.7	13.2	100.0	59.4	25.6
White	4-5 Years	16.4	17.9	30.1	20.6	5.6	9.6	100.0	52.2	27.8
	6-7 Years	26.2		29.1	20.6	11.6	12.5	100.0	55.7	27.5
	8-9 Years	19.3		26.0	20.6	13.1	21.0	100.0	61.8	27.1
	10+ Years	16.9	2.5	27.2	17.5	13.7	22.2	100.0	61.6	27.3
	Total	19.4	5.6	28.2	19.7	10.9	16.3	100.0	57.7	27.8

Table 5.8.25 Behavior Problems Index: Anxious/Depressed Standard Scores by Child Age and Race/Ethnicity
(1990 Weighted Distribution)

		85-99	100-114	115-129	130+	Total	Mean	Std. Dev.
Age of Child								
4-5 Years		32.4	51.7	10.4	5.5	100.0	102.3	13.8
6-7 Years		41.6	34.4	19.7	4.3	100.0	103.5	13.0
8-9 Years		33.8	34.6	23.5	8.1	100.0	105.6	13.4
10+ Years		33.4	39.6	19.0	8.0	100.0	106.1	13.3
Total		35.1	40.4	17.9	6.6	100.0	104.5	13.5
Race of Child	Age of Child							
Hispanic	4-5 Years	28.4	55.4	14.3	1.9	100.0	102.5	12.4
	6-7 Years	38.5	34.0	22.0	5.5	100.0	104.7	13.1
	8-9 Years	39.1	31.2	24.9	4.9	100.0	104.0	12.8
	10+ Years	35.8	41.8	17.5	4.8	100.0	104.4	12.2
	Total	35.6	40.5	19.5	4.4	100.0	104.0	12.6
Black	4-5 Years	25.1	55.1	14.4	5.4	100.0	104.7	13.8
	6-7 Years	37.2	40.8	17.4	4.5	100.0	104.0	12.0
	8-9 Years	38.4	39.1	19.5	3.1	100.0	103.4	12.0
	10+ Years	30.2	47.2	16.4	6.2	100.0	106.1	12.2
	Total	32.2	45.9	16.8	5.1	100.0	104.9	12.5
White	4-5 Years	34.2	50.7	9.3	5.8	100.0	101.8	13.8
	6-7 Years	43.0	32.9	20.0	4.1	100.0	103.3	13.2
	8-9 Years	32.0	34.0	24.3	9.8	100.0	106.4	13.7
	10+ Years	34.3	36.3	20.2	9.2	100.0	106.4	13.8
	Total	35.8	38.9	18.0	7.2	100.0	104.4	13.8

Table 5.8.26 Behavior Problems Index: Antisocial Percentile Scores by Child Age and Race/Ethnicity
(1990 Weighted Distribution)

		20-39	40-59	60-79	80-89	90-99	Total	Mean	Std. Dev.
Age of child									
4-5 Years		34.9	16.7	13.8	19.7	14.9	100.0	57.2	27.0
6-7 Years		35.6		27.1	18.4	18.9	100.0	58.4	26.9
8-9 Years		33.0		24.5	19.2	23.2	100.0	63.4	27.1
10+ Years		31.5	3.3	22.8	16.8	25.7	100.0	65.6	26.7
Total		33.6	5.3	21.8	18.4	20.9	100.0	61.4	27.1
Race of Child	Age of Child								
Hispanic	4-5 Years	28.5	18.6	12.9	22.1	17.9	100.0	61.1	26.5
	6-7 Years	29.7		26.8	19.3	24.2	100.0	62.3	26.7
	8-9 Years	32.9		31.0	15.6	20.5	100.0	61.6	26.0
	10+ Years	28.8	2.6	23.9	16.1	28.5	100.0	67.2	26.2
	Total	29.9	4.9	23.8	17.9	23.5	100.0	63.6	26.4
Black	4-5 Years	28.0	14.0	11.4	19.6	27.0	100.0	64.1	27.9
	6-7 Years	26.6		28.4	24.0	20.9	100.0	63.6	25.7
	8-9 Years	23.7		24.5	22.3	29.5	100.0	69.2	25.5
	10+ Years	21.9	3.7	21.9	20.7	31.8	100.0	71.6	25.0
	Total	24.4	4.3	21.7	21.5	28.2	100.0	68.0	26.1
White	4-5 Years	36.9	17.1	14.4	19.5	12.2	100.0	55.5	26.6
	6-7 Years	38.4		26.9	16.9	17.8	100.0	56.8	27.0
	8-9 Years	35.4		23.6	18.9	22.0	100.0	62.2	27.5
	10+ Years	35.7	3.2	22.9	15.3	22.9	100.0	63.0	27.0
	Total	36.6	5.6	21.6	17.6	18.6	100.0	59.3	27.2

Table 5.8.27 Behavior Problems Index: Antisocial Standard Scores by Child Age and Race/Ethnicity (1990 Weighted Distribution)

		85-99	100-114	115-129	130+	Total	Mean	Std. Dev.
Age of Child								
4-5 Years		34.9	49.5	12.2	3.4	100.0	104.1	13.2
6-7 Years		35.6	45.6	14.9	4.0	100.0	104.6	13.0
8-9 Years		33.0	33.2	24.4	9.4	100.0	107.8	14.1
10+ Years		34.7	22.8	34.8	7.7	100.0	108.9	14.1
Total		34.6	36.8	22.5	6.1	100.0	106.5	13.8
Race of Child	Age of Child							
Hispanic	4-5 Years	28.5	51.4	16.5	3.6	100.0	105.9	13.1
	6-7 Years	29.7	46.0	21.5	2.7	100.0	106.3	12.7
	8-9 Years	32.9	40.3	20.5	6.3	100.0	106.3	12.8
	10+ Years	31.4	23.9	37.3	7.4	100.0	109.6	13.9
	Total	30.8	38.1	25.8	5.4	100.0	107.4	13.4
Black	4-5 Years	28.0	43.6	20.0	8.4	100.0	108.1	14.9
	6-7 Years	26.6	52.5	14.4	6.4	100.0	107.1	13.0
	8-9 Years	23.7	36.4	29.6	10.4	100.0	110.5	13.7
	10+ Years	25.6	21.9	41.9	10.6	100.0	112.0	13.9
	Total	25.9	35.1	29.7	9.3	100.0	110.0	14.0
White	4-5 Years	36.9	50.5	10.3	2.3	100.0	103.2	12.7
	6-7 Years	38.4	43.8	14.3	3.5	100.0	103.8	12.9
	8-9 Years	35.4	31.4	23.5	9.6	100.0	107.3	14.3
	10+ Years	38.9	22.9	31.6	6.6	100.0	107.5	14.0
	Total	37.5	37.1	20.1	5.3	100.0	105.4	13.6

Table 5.8.28 Behavior Problems Index: Within-Year Correlations, 1990

	Total Behavior Problems	Anti-social	Anxious/ Depressed	Headstrong	Hyperactive	Peer Conflict	Dependent
Total Behavior Problems Score	---	.70	.76	.84	.78	.58	.62
Anti-Social Subscore	.70	---	.40	.54	.48	.48	.30
Anxious/Depressed Subscore	.76	.40	---	.58	.49	.46	.40
Headstrong Subscore	.84	.54	.58	---	.55	.40	.42
Hyperactive Subscore	.78	.48	.49	.55	---	.42	.38
Peer Conflict Subscore	.58	.48	.46	.40	.42	---	.29
Dependent Subscore	.62	.30	.40	.42	.38	.29	---

Table 5.8.29 Behavior Problems Index: Cross-Year Correlations

BEHAVIOR PROBLEMS 1988 OR 1990								
Age of Child In 1986								
	All Children		4-6 Years		7-9 Years		10 Years and over	
	1988	1990	1988	1990	1988	1990	1988	1990
BEHAVIOR PROBLEMS 1986	.59	.49	.57	.53	.61	.46	.63	.35
Antisocial Subscore	.44	.40	.41	.41	.47	.41	.44	.27
Anxious/Depressed Subscore	.44	.33	.45	.38	.45	.26	.40	.24
Headstrong Subscore	.46	.41	.44	.44	.47	.37	.56	.33
Hyperactive Subscore	.49	.41	.47	.43	.54	.46	.49	.20
Peer Conflict Subscore	.33	.32	.28	.29	.43	.39	.40	.33
Dependent Subscore	.43	.37	.41	.36	.55	.44	---	---
SAMPLE SIZE	2115	1659	1237	1011	646	487	232	161

**Table 5.8.30 Behavior Problems Index: Cross-Year Correlations
with PIAT Assessments**

	Behavior Problems Total Score 1986
PIAT Mathematics, 1988	
All Children	-.16
4-6 Years in 1986	-.15
7-9 Years in 1986	-.12
10+ Years in 1986	-.16
PIAT Mathematics, 1990	
All Children	-.22
4-6 Years in 1986	-.19
7-9 Years in 1986	-.20
10+ Years in 1986	-.25
PIAT Reading Recognition, 1988	
All Children	-.16
4-6 Years in 1986	-.17
7-9 Years in 1986	-.09
10+ Years in 1986	-.22
PIAT Reading Recognition, 1990	
All Children	-.19
4-6 Years in 1986	-.15
7-9 Years in 1986	-.15
10+ Years in 1986	-.22
PIAT Reading Comprehension, 1988	
All Children	-.20
4-6 Years in 1986	-.21
7-9 Years in 1986	-.12
10+ Years in 1986	-.30
PIAT Reading Comprehension, 1990	
All Children	-.18
4-6 Years in 1986	-.12
7-9 Years in 1986	-.16
10+ Years in 1986	-.27

Table 5.8.31 Behavior Problems Index: Within-Year Correlations with Other Assessments, 1990

[illegible]

**Table 5.8.32 Behavior Problems Index: Mean Percentile Scores
by Child Age in 1988 and 1990**

	Age of Child			
	4-5 Yrs	6-7 Yrs	8-9 Yrs	10 Yrs and over
Total Score				
1988	67.0	66.2	68.3	70.6
1990	55.9	59.7	64.6	65.8
Antisocial				
1988	60.8	62.4	65.1	69.4
1990	57.2	58.4	63.4	65.6
Anxious/Depressed				
1988	56.6	59.7	63.2	64.9
1990	53.3	56.4	60.4	61.4
Headstrong				
1988	56.2	57.8	60.7	64.5
1990	53.7	54.3	60.4	62.4
Hyperactive				
1988	64.7	65.3	63.8	65.2
1990	56.1	58.8	59.7	60.9
Dependent				
1988	62.7	64.0	63.0	64.5
1990	58.4	57.5	60.4	58.4
Peer Conflict				
1988	58.3	58.0	57.7	58.7
1990	57.4	57.8	57.1	58.9

**Table 5.9.1 Body Parts: Standard Scores by Child Age and Race/Ethnicity
(1988 Sample Cases)**

		<85	85-99	100-114	115+	INVALID	VALID	TOTAL	% VALID
AGE OF CHILD									
	1 Year	98	170	142	57	67	467	534	87.4
	2 Years	81	193	224	23	57	521	578	90.1
	Total	179	363	366	80	124	988	1112	88.8
RACE OF CHILD	AGE OF CHILD								
HISPANIC	1 Year	26	36	16	7	15	85	100	85.0
	2 Years	26	45	29	0	13	100	113	88.5
	Total	52	81	45	7	28	185	213	86.9
BLACK	1 Year	32	44	36	5	14	117	131	89.3
	2 Years	32	63	36	4	14	135	149	90.6
	Total	64	107	72	9	28	252	280	90.0
WHITE	1 Year	40	90	90	45	38	265	303	87.5
	2 Years	23	85	159	19	30	286	316	90.5
	Total	63	175	249	64	68	551	619	89.0

Table 5.9.2 Body Parts: Standard Scores by Child Age and Race/Ethnicity
(1988 Weighted Distribution)

		<85	85-99	100-144	115+	Total	Mean	Std Dev
Age of Child								
1 Year		15.8	34.7	33.3	16.2	100.0	100.0	15.0
2 Years		10.2	32.8	50.5	6.6	100.0	100.0	15.0
Total		12.8	33.7	42.4	11.1	100.0	100.0	15.0
RACE OF CHILD	AGE OF CHILD							
HISPANIC	1 Year	33.2	40.2	17.7	8.9	100.0	92.5	14.3
	2 Years	26.1	48.8	25.1		100.0	88.2	19.5
	Total	29.2	45.0	21.8	4.0	100.0	90.1	17.5
BLACK	1 Year	28.8	34.5	31.8	4.9	100.0	93.9	13.7
	2 Years	24.0	47.6	25.5	2.8	100.0	91.9	16.3
	Total	26.2	41.8	28.3	3.7	100.0	92.8	15.2
WHITE	1 Year	11.8	34.2	35.1	19.0	100.0	101.8	14.8
	2 Years	5.7	28.0	58.3	8.1	100.0	102.0	12.8
	Total	8.6	31.0	47.2	13.3	100.0	102.4	13.8

Table 5.9.3 Body Parts: Correlations with Other Assessment Scores by Child Age, 1988

Age of Child	HOME	HOME	MOTOR	MEMORY
	COGNITIVE STIMULATION	EMOTIONAL SUPPORT	AND SOCIAL DEVELOPMENT	FOR LOCATION
Body Parts				
1 Year	.37*	.23*	.24*	.24*
2 Years	.28*	.22*	.25*	.17*

Note: * = significant at $p < .01$

Table 5.9.4 1986-1988 Cross-year Correlations:
Memory for Location and Body Parts (1986) Correlated with Verbal Memory and PPVT (1988)

	VERBAL MEMORY (A&B)-88	VERBAL MEMORY (C)-88	PPVT-88
MEMORY FOR LOCATION-86	.06**	.03	.13*
BODY PARTS-86	.10*	.07**	.21*

Note: * = Significant at $p < .01$; ** = Significant at $p < .05$; *** = significant at $p < .1$

Table 5.10.2 Memory for Location: Percentile Scores by Child Age and Race/Ethnicity
(1988 Weighted Distribution)

		0-19	20-39	40-59	60-79	80-89	90-99	Total	Mean	Std Dev
AGE OF CHILD										
	Under 2 Years	21.7	26.8	10.9	15.9	9.8	14.9	100.0	49.4	30.2
	2 Years	17.2	15.0	17.6	42.0	8.2		100.0	51.3	27.1
	3 Years	11.5	12.0	8.6	67.9			100.0	56.1	22.2
	Total	18.2	19.6	13.2	34.9	7.6	6.5	100.0	51.3	27.8
RACE OF CHILD	AGE OF CHILD									
HISPANIC	Under 2	20.4	27.2	11.7	14.6	11.7	14.6	100.0	50.8	29.6
	2 Years	11.8	23.7	20.4	38.7	5.4		100.0	50.3	24.5
	3 Years	2.2	15.6	8.9	73.3			100.0	60.6	16.9
	Total	13.7	23.7	14.5	3.9	7.1	6.2	100.0	52.4	25.3
BLACK	Under 2	21.9	27.3	10.9	11.7	10.2	18.0	100.0	49.6	31.5
	2 Years	28.0	12.8	19.2	34.4	5.6		100.0	44.4	29.4
	3 Years	11.1	18.5	9.3	61.1			100.0	53.7	22.3
	Total	22.5	19.9	14.0	29.6	6.5	7.5	100.0	48.2	29.0
WHITE	Under 2	22.0	26.4	10.7	17.9	9.1	13.8	100.0	48.9	29.9
	2 Years	14.2	13.1	16.0	46.5	10.3		100.0	54.8	26.3
	3 Years	15.5	7.3	8.2	69.1			100.0	55.4	23.9
	Total	17.9	18.2	12.4	37.2	8.2	6.2	100.0	52.2	27.5

Table 5.10.3 Memory for Location: Correlations with Other Assessment Scores
by Child Age, 1988

Age	HOME COGNITIVE STIMULATION	HOME EMOTIONAL SUPPORT	MOTOR AND SOCIAL DEVELOPMENT	BODY PARTS	PPVT-R	VERBAL MEMORY (A & B)	VERBAL MEMORY (C)
Memory for Location							
8-11 Months	-.04	.06	-.03	----	----	----	----
1 Year	-.02	-.02	.15*	.24*	----	----	----
2 Years	.22*	.07	.12*	.17*	----	----	----
3 Years	.11	.02	.10	----	.07	.13***	.11***

Note: * = significant at $p < .01$; ** = significant at $p < .05$; *** = significant at $p < .10$.

Table 5.10.4 Memory for Location: Cross-Year Correlations
(Children with Valid Score in Base Year)

	Verbal Memory (A&B) 1988 (1990)	Verbal Memory (C) 1988 (1990)	PIAT Math 1990	PIAT Reading Recognition 1990	PIAT Reading Comprehension 1990	PPVT 1990
Memory for Location, 1986	.10	.03 ^a	.02 ^a	-.02 ^a	-.00 ^a	
Memory for Location, 1988	(.11)	(.07) ^a				.11

Note: a = not significant at $p < .05$; () are correlations between Memory for Location in 1988 and Verbal Memory in 1990

Table 5.11 Unweighted Sample Distribution of Children with Early Childhood Assessments in 1986 and Outcomes in 1990

1986 Assessment	PIAT Math	PIAT Reading Recognition	PIAT Reading Comprehension	BPI	SPPC
Body Parts					
12-23 mos	336	325	145	343	
24-35 mos	381	375	283	392	
Memory for Locations					
8-11 mos	120	113	15	122	
12-23 mos	341	329	140	343	
24-35 mos	333	330	250	346	
36-47 mos	379	375	356	374	180
Motor & Social Development					
0-11 mos	219	210	32	405	
12-23 mos	404	388	161	410	
24-35 mos	387	382	289	400	
36-47 mos	392	388	369	393	179

Table 5.12.1 Verbal Memory Parts A & B: Raw Scores by Child Age and Race/Ethnicity (1990 Sample Cases)

		0-4	5-9	10-14	15-19	20-24	25-29	30	Valid	Total	% Valid
Age of Child											
4 Years		23	23	67	116	119	59	1	408	451	90.5
5-6 Years		3	5	12	31	51	38	4	144	175	82.3
Total		26	28	79	147	170	97	5	552	626	88.2
Race of Child	Age of Child										
Hispanic	4 Years	4	7	19	25	26	5		86	104	82.7
	5-6 Years	3	3	4	13	14	3	1	41	52	78.8
	Total	7	10	23	38	40	8	1	127	156	81.4
Black	4 Years	5	8	19	41	32	20		125	136	91.9
	5-6 Years		2	4	9	20	6		48	53	90.6
	Total	5	10	23	50	52	32	1	173	189	91.5
White	4 Years	14	8	29	50	61	34	1	197	211	93.4
	5-6 Years			4	9	17	23	2	55	70	78.6
	Total	14	8	33	59	78	57	3	252	281	89.7

Table 5.12.2 Verbal Memory Part C: Raw Scores by Child Age and Race/Ethnicity (1990 Sample Cases)

		0-4	5-9	10-14	Valid	Total	% Valid
Age of Child							
4 Years		240	139	5	384	451	85.1
5-6 Years		54	75	6	135	175	77.1
Total		294	214	11	519	626	82.9
Race of Child	Age of Child						
Hispanic	4 Years	48	29	1	78	104	75.0
	5 Years	18	18	2	38	52	73.1
	Total	66	47	3	116	156	74.4
Black	4 Years	80	39	1	120	136	88.2
	5-6 Years	18	27		45	53	84.9
	Total	98	66	1	165	189	87.3
White	4 Years	112	71	3	186	211	88.2
	5-6 Years	18	30	4	52	70	74.3
	Total	130	101	7	238	281	84.7

Table 5.12.3 Verbal Memory Parts A & B: Percentile Scores by Child Age and Race/Ethnicity (1990 Sample Cases)

		0	1-19	20-39	40-59	60-79	80-89	90-99	Valid	Total	% Valid
Age of Child											
4 Years		12	90	93	85	83	40	5	408	451	90.5
5-6 Years		7	40	35	23	31	6	2	144	175	82.3
Total		19	130	128	108	114	46	7	552	626	88.2
Race of Child	Age of Child										
Hispanic	4 Years	3	21	25	17	17	3		86	104	82.7
	5-6 Years	5	16	11	2	5	2		41	52	78.8
	Total	8	37	36	19	22	5		127	156	81.4
Black	4 Years	2	28	30	31	20	11	3	125	136	91.9
	5-6 Years	1	14	12	10	8	3		48	53	90.6
	Total	3	42	42	41	28	14	3	173	189	91.5
White	4 Years	7	41	38	37	46	26	2	197	211	93.4
	5-6 Years	1	10	12	11	18	1	2	55	70	78.6
	Total	8	51	50	48	64	27	4	252	281	89.7

Table 5.12.4 Verbal Memory Part C: Percentile Scores by Child Age and Race/Ethnicity (1990 Sample Cases)

		0	1-19	20-39	40-59	60-79	80-89	90-99	Valid	Total	% Valid
Age of Child											
4 Years			124	60	61	72	43	24	384	451	85.1
5-6 Years			33	22	13	15	7	3	93	121	76.9
6 Years		1	11	8	14	4	4		42	54	77.8
Total		1	168	90	88	91	54	27	519	626	82.9
Race of Child Age of Child											
Hispanic	4 Years		28	7	13	18	7	5	78	104	75.0
	5-6 Years		18	5	8	4	3		38	52	73.1
	Total		46	12	21	22	10	5	116	156	74.4
Black	4 Years		34	27	21	21	13	4	120	136	88.2
	5-6 Years		13	13	10	6	3		45	53	84.9
	Total		47	40	31	27	16	4	165	189	87.3
White	4 Years		62	26	27	33	23	15	186	211	88.2
	5-6 Years	1	13	12	9	9	5	3	52	70	74.3
	Total	1	75	38	36	42	28	18	238	281	84.7

Table 5.12.5 Verbal Memory Parts A & B: Standard Scores by Child Age and Race/Ethnicity (1990 Weighted Distribution)

		1-69	70-84	85-99	100-114	115-129	Total	Mean	Std. Dev.
Age of Child									
4 Years		5.7	12.9	32.7	42.2	6.4	100.0	96.1	14.7
5-6 Years		6.6	16.2	30.8	42.5	3.8	100.0	94.9	16.6
Total		5.9	13.7	32.3	42.3	5.8	100.0	95.8	14.9
Race of Child	Age of Child								
Hispanic	4 Years	3.0	22.3	37.1	36.7	0.9	100.0	93.0	13.6
	5-6 Years	27.3	16.5	33.3	21.3	1.6	100.0	82.6	19.2
	Total	10.8	20.5	35.9	31.8	1.1	100.0	89.7	16.2
Black	4 Years	4.2	13.6	42.2	30.4	9.7	100.0	95.6	13.6
	5-6 Years	6.3	21.5	37.8	28.1	6.4	100.0	92.4	14.4
	Total	4.7	15.7	41.0	29.7	8.8	100.0	94.7	13.9
White	4 Years	6.2	12.0	30.4	45.1	6.2	100.0	96.4	15.2
	5-6 Years	3.7	14.8	28.7	49.3	3.5	100.0	97.3	13.5
	Total	5.7	12.6	30.0	46.1	5.6	100.0	96.6	14.8

Table 5.12.6 Verbal Memory Parts A & B: Standard Scores by Maternal Characteristics and Age of Child (1990 Weighted Distribution)

		1-69	70-84	85-99	100-114	115-129	Total	Mean	Std. Dev.
Maternal Education	Age of Child								
< 12 Years	4 Years	8.4	17.8	40.3	32.0	1.5	100.0	92.3	15.8
	5-6 Years	11.5	8.2	47.2	26.4	6.7	100.0	91.4	20.9
	Total	9.3	15.2	42.2	30.4	2.9	100.0	92.1	16.3
12 Years	4 Years	3.9	11.3	34.6	42.8	7.3	100.0	97.0	13.8
	5-6 Years	5.4	17.9	32.2	42.5	2.0	100.0	95.1	14.8
	Total	4.3	12.8	34.1	42.8	6.1	100.0	96.5	13.9
13+ Years	4 Years	6.5	12.8	27.4	45.8	7.5	100.0	96.6	15.0
	5-6 Years	5.3	18.6	20.3	51.3	4.4	100.0	96.5	15.2
	Total	6.3	14.1	25.8	47.0	6.8	100.0	96.6	15.1
Age of Mother at Birth of Child	Age of Child								
Under 20 Years	6 Years			90.6	9.4		100.0	95.2	6.4
	Total			90.6	9.4		100.0	95.2	6.4
20-24 Years	4 Years	1.9	13.9	35.3	44.8	4.1	100.0	97.1	12.7
	5-6 Years	4.2	20.6	34.7	36.9	3.7	100.0	93.5	15.5
	Total	2.6	15.9	35.1	42.4	4.0	100.0	96.0	13.3
25-29 Years	4 Years	8.1	12.3	31.1	40.6	7.9	100.0	95.4	15.9
	5-6 Years	10.1	11.5	22.8	51.4	4.2	100.0	96.7	17.0
	Total	8.5	12.2	29.6	42.5	7.2	100.0	95.6	16.0

Table 5.12.7 Verbal Memory Part C: Standard Scores by Child Age and Race/Ethnicity (1990 Weighted Distribution)

		1-69	70-84	85-99	100-114	115-129	130+	Total	Mean	Std. Dev.
Age of Child										
4 Years			20.8	34.6	33.8	10.4	0.4	100.0	97.1	14.6
5-6 Years		7.2	20.6	34.6	25.6	12.0		100.0	94.4	15.9
Total		1.7	20.8	34.6	31.8	10.8	0.3	100.0	96.5	14.9
Race of Child	Age of Child									
Hispanic	4 Years		28.0	24.9	36.8	10.3		100.0	95.6	14.8
	5-6 Years	7.3	38.5	27.6	14.1	12.5		100.0	89.7	14.7
	Total	2.3	31.4	25.8	29.5	11.0		100.0	93.7	15.3
Black	4 Years		16.2	43.4	35.9	4.5		100.0	96.5	12.4
	5-6 Years	7.1	22.7	38.1	27.6	4.4		100.0	92.0	14.3
	Total	1.9	17.9	42.0	33.7	4.5		100.0	95.3	13.0
White	4 Years		21.2	33.6	33.1	11.7	0.5	100.0	97.4	15.0
	5-6 Years	7.2	17.5	34.8	26.7	13.8		100.0	95.7	15.8
	Total	1.6	20.4	33.8	31.7	12.1	0.4	100.0	97.0	15.2

Table 5.12.8 Verbal Memory Part C: Standard Scores by Maternal Characteristics and Age of Child (1990 Weighted Distribution)

		1-69	70-84	85-99	100-114	115-129	130+	Total	Mean	Std. Dev.
Maternal Education	Age of Child									
< 12 Years	4 Years		23.1	36.3	34.8	5.8		100.0	95.2	13.7
	5-6 Years	14.9	19.8	37.6	24.5	3.2		100.0	90.3	14.5
	Total	4.6	22.1	36.7	31.6	5.0		100.0	93.7	14.5
12 Years	4 Years		22.5	33.7	31.5	12.3		100.0	96.9	14.4
	5-6 Years	6.6	26.2	28.8	33.4	5.5		100.0	93.5	15.2
	Total	1.3	23.3	32.6	31.9	10.8		100.0	96.2	14.6
13+ Years	4 Years		18.0	34.9	36.0	10.0	1.0	100.0	98.0	15.0
	5-6 Years	4.1	14.7	39.6	17.5	24.1		100.0	97.9	16.0
	Total	0.9	17.3	36.0	31.8	13.2	0.8	100.0	98.0	15.1

Table 5.12.9 Verbal Memory Parts A & B: Percentile Scores by Child Age and Race/Ethnicity (1990 Weighted Distribution)

		0	1-19	20-39	40-59	60-79	80-89	90-99	Total	Mean	Std. Dev.
Age of Child											
4 Years		2.9	21.2	20.9	19.6	22.6	11.6	1.2	100.0	44.5	27.3
5-6 Years		3.6	23.4	20.9	18.2	28.9	3.0	2.5	100.0	42.7	27.9
Total		3.1	21.7	20.9	19.3	24.1	9.5	1.5	100.0	44.1	27.3
Race of Child	Age of Child										
Hispanic	4 Years	2.4	23.9	29.1	21.7	19.5	3.4		100.0	37.1	24.5
	5-6 Years	17.3	36.4	22.1	4.1	16.2	4.0		100.0	25.7	25.0
	Total	7.2	27.9	26.9	16.1	18.4	3.6		100.0	33.5	25.4
Black	4 Years	1.4	24.0	25.9	21.4	16.4	8.8	2.2	100.0	41.8	25.9
	5-6 Years	2.4	28.6	25.4	21.6	15.6	6.4		100.0	36.9	25.8
	Total	1.6	25.2	25.7	21.5	16.2	8.1	1.6	100.0	40.5	25.9
White	4 Years	3.3	20.4	19.2	19.1	24.1	12.9	1.0	100.0	45.7	27.7
	5-6 Years	2.0	20.1	19.5	19.3	34.2	1.4	3.5	100.0	46.6	27.1
	Total	3.0	20.3	19.2	19.1	26.4	10.4	1.6	100.0	45.9	27.4

Table 5.12.10 Verbal Memory Parts A & B: Percentile Scores by Maternal Characteristics and Age of Child (1990 Weighted Distribution)

		0	1-19	20-39	40-59	60-79	80-89	90-99	Total	Mean	Std. Dev.
Maternal Education	Age of Child										
< 12 Years	4 Years	4.9	25.5	22.2	20.1	16.9	10.5		100.0	37.9	27.1
	5-6 Years	8.9	15.5	40.9	11.5	16.7		6.7	100.0	36.6	29.1
	Total	6.0	22.7	27.3	17.7	16.8	7.6	1.8	100.0	37.5	26.8
12 Years	4 Years	2.1	19.3	24.4	19.1	22.8	11.1	1.0	100.0	45.7	26.5
	5-6 Years	1.0	26.2	23.4	19.0	26.0	4.3		100.0	42.2	26.9
	Total	1.9	20.9	24.2	19.1	23.6	9.6	0.8	100.0	44.9	26.4
13+ Years	4 Years	3.1	21.6	16.3	20.0	24.7	12.6	1.8	100.0	45.8	27.9
	5-6 Years	3.9	24.3	7.0	20.8	39.0	2.0	3.1	100.0	46.5	27.1
	Total	3.3	22.2	14.2	20.2	27.9	10.2	2.1	100.0	46.0	28.0

Table 5.12.11 Verbal Memory Part C: Percentile Scores by Child Age and Race/Ethnicity (1990 Weighted Distribution)

		0	1-19	20-39	40-59	60-79	80-89	90-99	Total	Mean	Std. Dev.
Age of Child											
4 Years			32.6	14.9	14.6	18.2	12.3	7.4	100.0	44.4	29.7
5-6 Years		1.0	27.4	24.0	17.9	16.2	7.7	9.0	100.0	41.2	29.8
Total		0.2	31.3	17.0	15.4	17.7	11.6	6.7	100.0	43.6	29.6
Race of Child	Age of Child										
Hispanic	4 Years		37.2	7.9	17.4	23.6	8.5	5.4	100.0	42.3	29.8
	5-6 Years		47.6	10.2	19.6	10.1	12.5		100.0	32.6	26.5
	Total		40.6	8.6	18.1	19.2	9.8	3.6	100.0	39.2	30.1
Black	4 Years		26.5	23.8	15.3	18.3	13.1	3.0	100.0	43.1	26.6
	5-6 Years		31.7	26.1	23.4	14.4	4.4		100.0	36.1	26.5
	Total		27.9	24.4	17.4	17.3	10.8	2.2	100.0	41.2	26.6
White	4 Years		33.5	13.6	14.3	17.7	12.5	8.5	100.0	44.8	30.3
	5-6 Years	1.4	23.4	25.4	16.2	17.5	9.7	6.4	100.0	43.7	29.9
	Total	0.3	31.2	16.2	14.7	17.6	11.9	8.0	100.0	44.6	30.1

Table 5.12.12 Verbal Memory Part C: Percentile Scores by Maternal Characteristics and Age of Child (1990 Weighted Distribution)

		0	1-19	20-39	40-59	60-79	80-89	90-99	Total	Mean	Std. Dev.
Maternal Education	Age of Child										
< 12 Years	4 Years		30.7	20.7	16.9	18.5	7.4	5.8	100.0	40.6	18.1
	5-6 Years	4.7	32.6	26.0	16.9	16.7	3.2		100.0	34.2	16.8
	Total	1.4	31.3	22.3	16.9	17.9	6.1	4.4	100.0	38.7	
12 Years	4 Years		33.2	13.0	17.8	16.6	12.1	7.4	100.0	44.2	29.6
	5-6 Years		32.3	20.6	15.8	25.8	1.9	3.6	100.0	39.2	28.2
	Total		33.0	14.7	17.3	18.6	9.9	6.6	100.0	43.1	29.4
13+ Years	4 Years		32.6	14.8	10.1	20.0	14.5	8.0	100.0	46.0	30.5
	5-6 Years		18.8	26.7	20.7	5.1	20.3	8.4	100.0	47.4	31.0
	Total		29.5	17.5	12.5	16.6	15.8	8.1	100.0	46.3	30.5

Table 5.12.13 Verbal Memory: Cross and Within-Year Correlations

	1990				
	Verbal (A&B)	Verbal (C)	PPVT	HOME Emotional Support	HOME Cognitive Stimulation
Within Year (4-5 year-olds in 1990)					
Verbal (A & B)	---	.49	.30	.14	.20
Verbal (C)	.49	---	.10	.05 ^a	.14
PIAT READING RECOGNITION			PIAT READING COMPREHENSION		
			1988	1990	19881990
Cross Year					
Verbal (A&B)					
3 Years and Over in 1986	.25	.29	.26	.30	
3-4 Years in 1986	.20	.28	.20	.34	
5-6 Years in 1986	.28	.28	.29	.29	
Verbal (C)					
3 Years and Over in 1986	.10	.16	.15	.17	
3-4 Years in 1986	.07 ^a	.14	.07 ^a	.14	
5-6 Years in 1986	.10	.17	.17	.18	

Note: a = not significant at $p < .05$.

Table 5.13.1 Digit Span: Total Raw Scores by Child Age and Race/Ethnicity (1990 Sample Cases)

		0-4	5-7	8-10	11-13	14-16	17-23	24	Valid	Total	% Valid
Age of Child											
7-9 Years		43	221	362	210	30	10		876	971	90.2
10+ Years		5	69	198	191	90	47	1	601	685	87.7
Total		48	290	560	401	120	57	1	1477	1656	89.2
Race of Child	Age of Child										
Hispanic	7-9 Years	17	65	97	41	5	1		226	252	89.7
	10+ Years	1	21	45	39	17	7		130	155	83.9
	Total	18	86	142	80	22	8		356	407	87.5
Black	7-9 Years	20	74	125	79	10	5		313	335	93.4
	10+ Years	3	27	96	70	41	19	1	257	278	92.4
	Total	23	101	221	149	51	24	1	570	613	93.0
White	7-9 Years	6	82	140	90	15	4		337	384	87.8
	10+ Years	1	21	57	82	32	21		214	252	84.9
	Total	7	103	197	172	47	25		551	636	86.6

Table 5.13.2 Digit Span: Forward Raw Scores by Child Age and Race/Ethnicity (1990 Sample Cases)

		0-3	4	5	6	7	8	9-14	Valid	Total	% Valid
Age of Child											
7-9 Years		125	210	168	143	98	82	54	880	971	90.6
10+ Years		35	78	95	96	98	89	111	602	685	87.9
Total		160	288	263	239	196	171	165	1482	1656	89.5
Race of Child	Age of Child										
Hispanic	7-9 Years	46	53	48	40	22	12	6	227	252	90.1
	10+ Years	10	23	27	18	19	15	18	130	155	83.9
	Total	56	76	75	58	41	27	24	357	407	87.7
Black	7-9 Years	40	61	63	55	34	34	26	313	335	93.4
	10+ Years	12	31	41	46	37	38	52	257	278	92.4
	Total	52	92	104	101	71	72	78	570	613	93.0
White	7-9 Years	39	96	57	48	42	36	22	340	384	88.5
	10+ Years	13	24	27	32	42	36	41	215	252	85.3
	Total	52	120	84	80	84	72	63	555	636	87.3

Table 5.13.3 Digit Span: Backward Raw Scores by Child Age and Race/Ethnicity (1990 Sample Cases)

		0-3	4	5	6	7	8	9-14	Valid	Total	% Valid
Age of Child											
7-9 Years		442	237	112	52	22	6	5	876	971	90.2
10+ Years		153	169	99	94	47	20	23	605	685	88.3
Total		595	406	211	146	69	26	28	1481	1656	89.4
Race of Child	Age of Child										
Hispanic	7-9 Years	114	63	33	13	2		1	226	252	89.7
	10+ Years	36	41	18	21	8	4	4	132	155	85.2
	Total	150	104	51	34	10	4	5	358	407	88.0
Black	7-9 Years	177	68	40	15	7	5	1	313	335	93.4
	10+ Years	76	70	35	43	17	8	9	258	278	92.8
	Total	253	138	75	58	24	13	10	571	613	93.1
White	7-9 Years	151	106	39	24	13	1	3	337	384	87.8
	10+ Years	41	58	46	30	22	8	10	215	252	85.3
	Total	192	164	85	54	35	9	13	552	636	86.8

Table 5.13.4 Digit Span: Standard Scores by Child Age and Race/Ethnicity (1990 Weighted Distribution)

		1-4	5-7	8-9	10-11	12-13	14-19	Total	Mean	Std. Dev.
Age of child										
7-9 Years		3.0	17.9	28.7	21.0	19.5	9.8	100.0	9.8	3.0
10+ Years		5.3	24.5	14.9	23.1	22.3	9.8	100.0	9.7	3.3
Total		4.0	20.6	23.1	21.9	20.6	9.8	100.0	9.8	3.1
Race of child	Age of child									
Hispanic	7-9 Years	6.4	22.4	31.5	22.7	11.5	5.4	100.0	8.8	2.9
	10+ Years	7.4	38.9	13.1	18.4	14.4	7.8	100.0	8.7	3.3
	Total	6.8	29.1	24.1	21.0	12.7	6.4	100.0	8.8	3.1
Black	7-9 Years	5.5	18.5	27.1	18.3	20.2	10.3	100.0	9.7	3.2
	10+ Years	5.2	27.4	20.1	18.9	19.9	8.4	100.0	9.5	3.3
	Total	5.3	22.5	24.0	18.6	20.1	9.5	100.0	9.6	3.3
White	7-9 Years	1.9	17.2	28.8	21.6	20.3	10.3	100.0	9.9	2.9
	10+ Years	5.1	21.6	13.3	25.2	24.2	10.6	100.0	10.0	3.2
	Total	3.2	18.9	22.7	23.0	21.8	10.4	100.0	9.9	3.0

Table 5.13.5 Digit Span: Standard Scores by Maternal Characteristics and Child Age (1990 Weighted Distribution)

		1-4	5-7	8-9	10-11	12-13	14-19	Total	Mean	Std. Dev.
Maternal Education	Age of Child									
< 12 Years	7-9 Years	3.4	27.6	28.7	18.8	15.3	6.3	100.0	9.0	2.8
	10+ Years	4.9	31.7	17.8	19.3	18.4	7.9	100.0	9.2	3.2
	Total	4.1	29.5	23.7	19.0	16.7	7.0	100.0	9.1	3.0
12 Years	7-9 Years	2.2	16.7	27.3	22.8	21.2	9.9	100.0	10.0	2.9
	10+ Years	5.3	21.9	13.4	23.2	25.0	11.2	100.0	9.9	3.2
	Total	3.4	18.7	21.9	23.0	22.6	10.4	100.0	10.0	3.1
13+ Years	7-9 Years	4.3	10.0	31.7	20.3	20.3	13.5	100.0	10.2	3.1
	10+ Years	6.2	19.3	13.8	28.4	22.2	10.1	100.0	10.1	3.4
	Total	5.0	13.6	24.7	23.5	21.0	12.2	100.0	10.1	3.2
Mother's Age at Birth of Child	Age of Child									
Under 20 Years	7-9 Years	4.0	27.2	28.0	19.4	14.4	6.9	100.0	9.1	3.0
	10+ Years	7.3	24.8	18.8	19.0	21.1	9.0	100.0	9.4	3.3
	Total	5.9	25.8	22.6	19.2	18.4	8.2	100.0	9.3	3.2
20-24 Years	7-9 Years	3.2	15.6	28.6	20.8	22.0	9.8	100.0	9.9	3.0
	10+ Years	3.7	24.3	11.6	26.5	23.3	10.5	100.0	10.0	3.2
	Total	3.4	18.8	22.5	22.8	22.5	10.0	100.0	10.0	3.1
25-29 Years	7-9 Years		13.5	30.9	25.5	14.3	15.7	100.0	10.4	2.5

Table 5.13.6 Digit Span: Forward Raw Scores by Child Age and Race/Ethnicity (1990 Sample Cases)

		0-3	4	5	6	7	8	9-14	Total	Mean	Std. Dev.
Age of Child											
7-9 Years		12.7	26.0	17.6	15.5	11.6	10.3	6.1	100.0	5.4	1.9
10+ Years		5.4	11.9	14.7	14.7	17.5	16.5	19.3	100.0	6.7	2.2
Total		9.7	20.3	16.4	15.2	14.0	12.9	11.5	100.0	5.9	2.1
Race of Child	Age of Child										
Hispanic	7-9 Years	21.0	24.3	20.3	17.4	9.1	5.3	2.7	100.0	4.9	1.8
	10+ Years	7.6	17.6	23.0	13.1	13.9	10.0	14.7	100.0	6.1	2.1
	Total	15.6	21.6	21.4	15.7	11.0	7.2	7.6	100.0	5.3	2.0
Black	7-9 Years	13.5	19.7	19.6	17.4	10.0	12.1	7.7	100.0	5.6	2.0
	10+ Years	4.2	11.5	15.9	17.1	14.6	15.4	21.3	100.0	6.8	2.3
	Total	9.3	16.0	17.9	17.2	12.1	13.6	13.9	100.0	6.1	2.2
White	7-9 Years	11.4	28.0	16.8	14.8	12.4	10.5	6.2	100.0	5.5	1.9
	10+ Years	5.5	11.2	13.2	14.1	19.0	17.8	19.2	100.0	6.7	2.1
	Total	9.1	21.4	15.3	14.5	15.0	13.4	11.3	100.0	6.0	2.1

Table 5.13.7 Digit Span: Forward Raw Scores by Maternal Characteristics and Child Age (1990 Weighted Distribution)

		0-3	4	5	6	7	8	9-14	Total	Mean	Std. Dev.
Maternal Education	Age of Child										
< 12 Years	7-9 Years	17.7	29.4	18.5	13.5	11.7	6.2	3.1	100.0	5.0	1.8
	10+ Years	6.1	12.6	21.9	11.1	20.4	12.0	15.9	100.0	6.4	2.1
	Total	12.4	21.8	20.0	12.4	15.6	8.9	8.9	100.0	5.6	2.1
12 Years	7-9 Years	11.2	24.9	16.9	17.1	11.0	10.6	8.4	100.0	5.6	1.9
	10+ Years	6.0	11.4	9.9	15.9	18.9	16.8	21.1	100.0	6.8	2.2
	Total	9.2	19.7	14.2	16.6	14.0	13.0	13.3	100.0	6.1	2.1
13+ Years	7-9 Years	10.1	24.5	18.3	15.0	12.9	13.9	5.3	100.0	5.6	1.9
	10+ Years	3.5	11.9	13.5	17.8	10.9	22.6	19.7	100.0	6.9	2.1
	Total	7.5	19.6	16.4	16.1	12.1	17.3	10.9	100.0	6.1	2.1
Mother's Age at Birth of Child	Age of Child										
Under 20 Years	7-9 Years	18.7	28.2	17.0	14.8	9.4	6.6	5.3	100.0	5.1	1.9
	10+ Years	8.8	11.4	17.0	14.3	15.3	13.7	19.4	100.0	6.5	2.2
	Total	12.9	18.3	17.0	14.5	12.9	10.8	13.6	100.0	5.9	2.2
20-24 Years	7-9 Years	11.0	26.0	17.5	15.1	12.1	11.6	6.7	100.0	5.5	2.0
	10+ Years	2.5	12.3	12.8	15.0	19.3	19.0	19.1	100.0	6.9	2.1
	Total	7.9	21.1	15.8	15.1	14.7	14.3	11.2	100.0	6.0	2.1
25-29 Years	7-9 Years	11.5	21.8	19.6	19.6	13.4	9.7	4.3	100.0	5.5	1.7

Table 5.13.8 Digit Span: Backward Raw Scores by Child Age and Race/Ethnicity (1990 Weighted Distribution)

		0-2	3	4	5	6	7-11	Total	Mean	Std. Dev.
Age of Child										
7-9 Years		19.0	28.9	29.2	12.0	6.2	4.8	100.0	3.7	1.5
10+ Years		9.2	12.7	26.9	18.8	14.7	17.7	100.0	4.8	1.8
Total		15.0	22.3	28.2	14.8	9.7	10.1	100.0	4.2	1.8
Race of Child	Age of Child									
Hispanic	7-9 Years	25.2	24.4	27.6	15.4	6.4	1.0	100.0	3.5	1.5
	10+ Years	9.3	19.6	30.7	12.7	15.5	12.3	100.0	4.5	1.8
	Total	18.7	22.4	28.9	14.3	10.1	5.7	100.0	3.9	1.7
Black	7-9 Years	27.2	29.7	22.6	12.0	4.1	4.4	100.0	3.4	1.6
	10+ Years	11.8	18.0	26.8	12.3	17.6	13.4	100.0	4.6	1.9
	Total	20.2	24.4	24.5	12.1	10.2	8.5	100.0	3.9	1.8
White	7-9 Years	15.8	29.3	31.2	11.6	6.7	5.4	100.0	3.8	1.5
	10+ Years	8.3	9.9	26.4	22.0	13.6	19.9	100.0	5.0	1.8
	Total	12.8	21.6	29.3	15.7	9.4	11.1	100.0	4.3	1.7

Table 5.13.9 Digit Span: Backward Raw Scores by Maternal Characteristics and Child Age (1990 Weighted Distribution)

		0-2	3	4	5	6	7-11	Total	Mean	Std. Dev.
Maternal Education	Age of Child									
< 12 Years	7-9 Years	27.4	31.0	23.7	9.7	4.8	3.4	100.0	3.4	1.4
	10+ Years	8.7	19.2	28.7	16.6	15.9	11.0	100.0	4.6	1.7
	Total	18.9	25.6	26.0	12.8	9.9	6.8	100.0	3.9	1.7
12 Years	7-9 Years	16.3	30.4	30.3	11.2	7.5	4.3	100.0	3.7	1.4
	10+ Years	8.9	11.0	26.7	19.7	12.2	21.5	100.0	4.9	1.8
	Total	13.4	22.9	28.9	14.5	9.3	11.0	100.0	4.2	1.7
13+ Years	7-9 Years	14.8	24.0	32.6	16.1	5.2	7.3	100.0	3.9	1.7
	10+ Years	10.6	6.8	25.0	20.6	16.8	20.2	100.0	5.1	1.9
	Total	13.2	17.3	29.6	17.8	9.7	12.3	100.0	4.4	1.9
Mother's Age at Birth of Child	Age of Child									
Under 20 Years	7-9 Years	25.3	30.0	25.8	9.7	6.7	2.6	100.0	3.4	1.4
	10+ Years	9.2	12.7	30.7	18.5	13.9	15.0	100.0	4.7	1.8
	Total	15.8	19.8	28.7	14.9	10.9	9.9	100.0	4.2	1.8
20-24 Years	7-9 Years	18.0	25.8	31.0	13.2	6.7	5.2	100.0	3.8	1.6
	10+ Years	9.2	12.7	23.7	19.1	15.4	19.9	100.0	4.9	1.8
	Total	14.8	21.1	28.4	15.4	9.9	10.5	100.0	4.2	1.8
25-29 Years	7-9 Years	12.3	45.3	25.0	9.2	1.7	6.5	100.0	3.6	1.3

Table 5.13.10 Digit Span: Within-Year Correlations with Peabody Assessments, 1990

Age of Child	PIAT Mathematics	PIAT Reading Recognition	PIAT Reading Comprehension	PPVT ¹
Digit Span				.33
7-8 Years	.37	.41	.38	
10-11 Years	.41	.50	.39	
"Forward" (Raw)				.25
7-8 Years	.24	.30	.30	
10-11 Years	.30	.39	.30	
"Backward" (Raw)				.26
7-8 Years	.33	.38	.33	
10-11 Years	.40	.44	.35	

¹ For all children with scores on Digit Span and PPVT. This includes primarily 10 and 11 year-olds.

Table 5.13.11 Digit Span: Cross-Year Correlations

Age of Child	<u>PIAT MATHEMATICS</u>			<u>PIAT READING RECOGNITION</u>			<u>PIAT READING COMPREHENSION</u>			<u>DIGIT SPAN 1988¹</u>		
	1986	1988	1990	1986	1988	1990	1986	1988	1990	Total	Forward	Backward
Digit Span 1986										.49	.48	.30
7-8 Years	.36	.35	.32	.42	.37	.32	.36	.35	.29			
10-11 Years	.42	.39	.43	.44	.46	.43	.41	.40	.40			
Digit Forward 1986										.46	.54	.19
7-8 Years	.23	.21	.22	.30	.25	.22	.23	.21	.17			
10-11 Years	.25	.23	.26	.32	.35	.33	.27	.24	.30			
Digit Backward 1986										.30	.18	.35
7-8 Years	.33	.37	.30	.37	.29	.31	.31	.32	.25			
10-11 Years	.40	.40	.42	.34	.34	.31	.37	.34	.31			

¹ Mostly children who are 10 or 11 in 1988.

Table 5.14.1 SPPC Scholastic Competence: Raw Scores by Child Age and Race/Ethnicity (1990 Sample Cases)

		5-9.9	10-14.9	15-19.9	20-24.9	Valid	Total	% Valid
Age of Child								
8 Years		18	110	182	123	433	462	93.7
9 Years		11	104	145	115	375	396	94.7
10 Years		15	100	143	95	353	379	93.1
11+ Years		31	220	358	237	846	917	92.3
Total		75	534	828	570	2007	2154	93.2
Race of Child	Age of Child							
Hispanic	8 Years	5	35	51	34	125	136	91.9
	9 Years	4	27	31	21	83	85	97.6
	10 Years	2	32	21	19	74	83	89.2
	11+ Years	3	59	67	42	171	196	87.2
	Total	14	153	170	116	453	500	90.6
Black	8 Years	4	36	68	42	150	156	96.2
	9 Years	2	33	63	41	139	145	95.9
	10 Years	8	38	65	33	144	150	96.0
	11+ Years	16	103	189	117	425	438	97.0
	Total	30	210	385	233	858	889	96.5
White	8 Years	9	39	63	47	158	170	92.9
	9 Years	5	44	51	53	153	166	92.2
	10 Years	5	30	57	43	135	146	92.5
	11+ Years	12	58	102	78	250	283	88.3
	Total	31	171	273	221	696	765	91.0

Table 5.14.2 SPPC Global Self-Worth: Raw Scores by Child Age and Race/Ethnicity (1990 Sample Cases)

		5-9.9	10-14.9	15-19.9	20-24.9	Valid	Total	% Valid
Age of Child								
8 Years		2	32	123	276	433	462	93.7
9 Years		2	22	105	246	375	396	94.7
10 Years		1	26	105	221	353	379	93.1
11+ Years		12	67	242	525	846	917	92.3
Total		17	147	575	1268	2007	2154	93.2
Race of Child								
Hispanic	Age of Child							
	8 Years		13	37	75	125	136	91.9
	9 Years		6	30	47	83	85	97.6
	10 Years	1	5	26	42	74	83	89.2
	11+ Years	2	13	51	105	171	196	87.2
	Total	3	37	144	269	453	500	90.6
Black	8 Years	1	8	52	89	150	156	96.2
	9 Years		10	44	85	139	145	95.9
	10 Years		11	47	86	144	150	96.0
	11+ Years	9	29	123	264	425	438	97.0
	Total	10	58	266	524	858	889	96.5
White	8 Years	1	11	34	112	158	170	92.9
	9 Years	2	6	31	114	153	166	92.2
	10 Years		10	32	93	135	146	92.5
	11+ Years	1	25	68	156	250	283	88.3
	Total	4	52	165	475	696	765	91.0

Table 5.14.3 SPPC Scholastic Competence: Raw Scores by Maternal Characteristics and Age of Child (1990 Weighted Distribution)

		5-9.9	10-14.9	15-19.9	20-24.9	Total	Mean	Std. Dev.
Maternal Education	Age of Child							
< 12 Years	8 Years	8.2	32.0	38.4	21.4	100.0	16.1	43.9
	9 Years	4.6	34.9	31.3	29.2	100.0	16.2	42.4
	10 Years	2.5	27.8	50.1	19.6	100.0	16.5	36.9
	11+ Years	4.3	29.8	38.7	27.2	100.0	16.6	42.1
	Total	4.7	30.7	39.1	25.5	100.0	16.4	41.8
12 Years	8 Years	3.8	26.7	37.3	32.2	100.0	17.0	42.7
	9 Years	3.4	26.4	40.7	29.5	100.0	17.0	40.1
	10 Years	4.1	24.8	39.8	31.4	100.0	17.2	44.0
	11+ Years	4.3	22.2	43.0	30.5	100.0	17.2	42.1
	Total	3.9	24.6	40.7	30.8	100.0	17.1	42.2
13+ Years	8 Years	2.4	14.8	47.8	35.0	100.0	17.9	37.4
	9 Years		22.4	30.8	46.8	100.0	18.2	37.4
	10 Years	2.9	18.4	36.3	42.4	100.0	17.9	40.0
	11+ Years	0.7	17.1	47.0	35.2	100.0	17.9	36.3
	Total	1.4	17.8	42.0	38.8	100.0	17.9	37.6
Mother's Age at Birth of Child	Age of Child							
Under 20 years	8 Years	5.6	30.4	36.9	27.2	100.0	16.7	43.3
	9 Years	3.5	24.4	37.0	35.1	100.0	17.4	41.5
	10 Years	3.5	25.3	42.1	29.1	100.0	17.0	40.4
	11+ Years	4.0	25.2	40.2	30.6	100.0	17.1	42.1
	Total	4.0	25.6	39.8	30.6	100.0	17.1	41.9
20-24 Years	8 Years	4.6	23.6	42.2	29.5	100.0	17.0	41.8
	9 Years	2.9	29.7	35.4	32.0	100.0	16.8	40.5
	10 Years	3.2	23.7	41.5	31.5	100.0	17.2	42.1
	11+ Years	2.7	22.7	47.8	26.8	100.0	16.9	39.0
	Total	3.4	25.2	41.3	30.1	100.0	17.0	41.0
25-29 Years	8 Years		17.8	35.0	47.3	100.0	18.9	35.5

Table 5.14.4 SPPC Scholastic Competence: Raw Scores by Child Age and Race/Ethnicity (1990 Weighted Distribution)

		5-9.9	10-14.9	15-19.9	20-24.9	Total	Mean	Std. Dev.
Age of Child								
8 Years		4.7	25.1	40.6	29.6	100.0	17.0	4.2
9 Years		3.1	28.1	35.9	33.0	100.0	17.0	4.1
10 Years		3.3	24.4	41.8	30.4	100.0	17.1	4.1
11+ Years		3.7	24.6	42.0	29.7	100.0	17.0	4.1
Total		3.7	25.3	40.5	30.5	100.0	17.0	4.2
Race of Child	Age of Child							
Hispanic	8 Years	4.9	24.5	41.5	29.0	100.0	16.9	4.1
	9 Years	7.0	32.3	36.6	24.1	100.0	16.1	4.3
	10 Years	2.6	39.4	29.7	28.3	100.0	16.3	4.0
	11+ Years	1.8	35.3	38.0	24.9	100.0	16.6	3.8
	Total	3.6	32.8	37.3	26.3	100.0	16.5	4.0
Black	8 Years	2.7	25.8	44.0	27.4	100.0	17.1	4.0
	9 Years	1.5	24.8	45.9	27.9	100.0	17.1	3.7
	10 Years	5.5	26.8	43.9	23.7	100.0	16.4	4.0
	11+ Years	2.9	24.6	44.8	27.7	100.0	17.1	3.9
	Total	3.1	25.2	44.7	27.0	100.0	17.0	3.9
White	8 Years	5.2	24.9	39.5	30.3	100.0	17.0	4.3
	9 Years	3.0	28.5	33.2	35.3	100.0	17.1	4.1
	10 Years	2.7	21.7	42.7	32.9	100.0	17.4	4.2
	11+ Years	4.3	23.0	41.2	31.5	100.0	17.1	4.3
	Total	3.9	24.3	39.4	32.3	100.0	17.1	4.3

Table 5.14.5 SPPC Global Self-Worth: Raw Scores by Child Age and Race/Ethnicity (1990 Weighted Distribution)

		5-9.9	10-14.9	15-19.9	20-24.9	Total	Mean	Std. Dev.
Age of Child								
8 Years		0.3	7.1	24.9	67.8	100.0	20.3	3.2
9 Years		0.9	4.6	23.1	71.5	100.0	20.7	3.2
10 Years		0.1	7.3	25.4	67.2	100.0	20.5	3.4
11+ Years		1.0	9.0	27.8	62.2	100.0	19.9	3.7
Total		0.7	7.5	25.9	66.0	100.0	20.3	3.5
Race of Child	Age of Child							
Hispanic	8 Years		13.1	26.6	60.3	100.0	19.5	3.5
	9 Years		8.4	33.4	58.2	100.0	19.8	3.4
	10 Years	1.0	5.6	34.0	59.4	100.0	20.0	3.5
	11+ Years	0.9	7.7	30.9	60.5	100.0	19.7	3.4
	Total	0.6	8.8	30.8	59.9	100.0	19.7	3.4
Black	8 Years	1.3	5.3	35.5	58.0	100.0	20.0	3.5
	9 Years		6.8	30.0	63.3	100.0	20.0	3.3
	10 Years		8.2	31.2	60.6	100.0	20.1	3.6
	11+ Years	2.1	6.4	28.9	62.6	100.0	19.9	3.7
	Total	1.3	6.6	30.5	61.6	100.0	20.0	3.6
White	8 Years	0.0	6.6	21.7	71.7	100.0	20.5	3.1
	9 Years	1.2	3.5	20.1	75.2	100.0	21.0	3.2
	10 Years		7.3	22.4	70.3	100.0	20.7	3.2
	11+ Years	0.4	10.5	26.8	62.3	100.0	20.0	3.8
	Total	0.4	7.6	23.5	68.5	100.0	20.4	3.4

Table 5.14.6 SPPC Global Self-Worth: Raw Scores by Maternal Characteristics and Age of Child (1990 Weighted Distribution)

		5-9.9	10-14.9	15-19.9	20-24.9	Total	Mean	Std. Dev.
Maternal Education	Age of Child							
< 12 Years	8 Years		8.2	24.4	67.4	100.0	20.1	31.4
	9 Years	1.3	4.6	28.3	65.8	100.0	20.2	35.1
	10 Years	0.3	9.6	30.1	60.0	100.0	20.1	34.7
	11+ Years	1.3	10.0	30.3	58.4	100.0	19.6	38.0
	Total	0.9	8.8	29.0	61.3	100.0	19.9	36.2
12 Years	8 Years		8.1	25.6	66.3	100.0	20.3	33.2
	9 Years	1.0	4.5	20.6	74.0	100.0	20.9	31.5
	10 Years		8.2	24.3	67.5	100.0	20.4	35.2
	11+ Years	0.7	8.8	25.8	64.6	100.0	20.1	37.8
	Total	0.5	7.6	24.4	67.6	100.0	20.4	35.1
13+ Years	8 Years	1.0	4.0	24.7	70.3	100.0	20.7	31.4
	9 Years		4.7	21.6	73.8	100.0	20.9	28.9
	10 Years		2.9	20.4	76.6	100.0	21.2	26.4
	11+ Years	0.8	5.2	26.2	67.8	100.0	20.5	33.0
	Total	0.5	4.3	23.8	71.3	100.0	20.8	30.7
Mother's Age at Birth of Child	Age of Child							
Under 20 Years	8 Years		10.2	32.3	57.5	100.0	19.7	33.5
	9 Years	1.3	3.5	18.2	77.0	100.0	21.1	32.5
	10 Years		5.4	31.2	63.4	100.0	20.5	31.8
	11+ Years	1.0	8.4	27.8	62.8	100.0	20.0	36.8
	Total	0.8	7.6	27.6	64.0	100.0	20.2	35.5
20-24 Years	8 Years	0.4	6.3	22.6	70.7	100.0	20.4	32.0
	9 Years	0.7	5.0	25.2	69.1	100.0	20.5	32.0
	10 Years	0.2	8.9	20.9	70.1	100.0	20.5	34.7
	11+ Years	0.8	11.2	27.8	60.2	100.0	19.8	39.1
	Total	0.5	7.5	24.1	67.9	100.0	20.3	34.3
25-29 Years	8 Years			19.8	80.2	100.0	22.0	18.2

Table 5.14.7 SPPC: Within and Cross-Year Correlations

	SCHOLASTIC COMPETENCE 1990	GLOBAL SELF-WORTH 1990	PIAT 1990			BEHAVIOR PROBLEMS 1990	HOME 1990		PPVT 1990
			Math	Recognition	Comprehension		COGNITIVE STIMULATION	EMOTIONAL SUPPORT	
Scholastic Competence 1990									
All Children	---	.36	.33	.27	.25	-.18	.17	.11	
8-9 Years	---	.31	.23	.22	.18	-.17	.09	.12	
10 Years and Over	---	.40	.39	.30	.30	-.18	.22	.11	.30
Global Self-Worth 1990									
All Children	.36	---	.17	.14	.14	-.21	.14	.16	
8-9 Years	.31	---	.17	.07	.12	-.18	.15	.22	
10 Years and Over	.40	---	.17	.17	.14	-.22	.14	.13	.27

	SCHOLASTIC COMPETENCE		GLOBAL SELF-WORTH		PIAT MATH		PIAT READING RECOGNITION		PIAT READING COMPREHENSION	
	1988	1990	1988	1990	1988	1990	1988	1990	1988	1990
Global Self-Worth 1988										
All Children	.16	.16	.31	.27	.09	.11	.02 ^a	.04 ^a	.05 ^a	.04 ^a
8-9 Years	.18	.17	.36	.26	.14	.14	.06 ^a	.10 ^a	.08 ^a	.05 ^a
10 Years and Over	.12 ^a	.15	.22	.29	-.00 ^a	.05 ^a	-.05 ^a	-.05 ^a	-.00	.02
Scholastic Competence 1988										
All Children	.40	.29	.18	.20	.18	.20	.13	.18	.16	.14
8-9 Years	.39	.26	.23	.20	.13	.10 ^a	.10	.10 ^a	.10	.06 ^a
10 Years and Over	.41	.36	.07 ^a	.19	.29	.38	.19	.32	.28	.29

Note: a = not significant at $p < .05$.

Table 5.15.1 PIAT Math: Raw Scores by Child Age and Race/Ethnicity (1990 Sample Cases)

		0-9	10-14	15-19	20-29	30-39	40-49	50+	Valid	Total	% Valid
Age of Child											
5 Years		95	259	96	29	1			480	516	93.0
6 Years		20	136	132	107	23	5		423	453	93.4
7 Years		5	36	79	179	102	23	2	426	456	93.4
8 Years		2	8	22	138	156	90	9	425	460	92.4
9 Years		2	4	9	55	114	140	50	374	398	94.0
10 Years				3	24	68	176	70	341	376	90.7
11+ Years		1	1		24	69	353	380	828	917	90.3
Total		125	444	341	556	533	787	511	3297	3576	92.2
Race of Child											
Hispanic	5 Years	25	61	8	6				100	112	89.3
	6 Years	10	38	22	17	3			90	100	90.0
	7 Years	3	14	14	40	23	3		97	105	92.4
	8 Years		2	5	49	43	20	2	121	136	89.0
	9 Years	1	2	2	11	31	29	7	83	86	96.5
	10 Years			1	4	18	34	10	67	81	82.7
	11+ Years				7	12	80	69	168	197	85.3
	Total	39	117	52	134	130	166	88	726	817	88.9
Black	5 Years	39	76	26	8	1			150	157	95.5
	6 Years	7	52	48	28	7	2		144	148	97.3
	7 Years	1	16	35	72	29	4		157	163	96.3
	8 Years	1	3	11	54	51	26	2	148	154	96.1
	9 Years	1	2	5	33	36	56	7	140	146	95.9
	10 Years			2	15	37	66	20	140	148	94.6
	11+ Years	1			14	48	191	163	417	438	95.2
	Total	50	149	127	224	209	345	192	1296	1354	95.7
White	5 Years	31	122	62	15				230	247	93.1
	6 Years	3	46	62	62	13	3		189	205	92.2
	7 Years	1	6	30	67	50	16	2	172	188	91.5
	8 Years	1	3	6	35	62	44	5	156	170	91.8
	9 Years			2	11	47	55	36	151	166	91.0
	10 Years				5	13	76	40	134	147	91.2
	11+ Years		1		3	9	82	148	243	282	86.2
	Total	36	178	162	198	194	276	231	1275	1405	90.7

Table 5.15.2 PIAT Math: Standard Scores by Child Age and Race/Ethnicity (1990 Sample Cases)

		1-69	70-84	85-99	100-114	115-129	130+	Valid	Total	% Valid
Age of Child										
5 Years		6	78	158	175	54	8	479	516	92.8
6 Years		8	42	162	169	41	1	423	453	93.4
7 Years		6	33	165	195	25	2	426	458	93.0
8 Years		4	47	181	156	32	4	424	460	92.2
9 Years		12	53	143	118	45	3	374	398	94.0
10 Years		7	55	131	121	24	3	341	377	90.5
11+ Years		36	124	361	247	48	9	825	915	90.2
Total		79	432	1301	1181	269	30	3292	3577	92.0
Race of Child										
Hispanic	5 Years		23	33	38	6		100	112	89.3
	6 Years	3	16	37	31	3		90	100	90.0
	7 Years	4	10	37	44	2		97	105	92.4
	8 Years		18	59	35	9		121	136	89.0
	9 Years	4	10	37	24	7	1	83	86	96.5
	10 Years	1	15	29	18	3	1	67	81	82.7
	11+ Years	7	26	76	50	7	2	168	197	85.3
	Total	19	118	308	240	37	4	726	817	88.9
Black	5 Years	5	29	51	47	15	2	149	157	94.9
	6 Years	4	15	62	48	15		144	148	97.3
	7 Years	1	14	75	60	7		157	165	95.2
	8 Years	2	20	69	52	4	1	148	155	95.5
	9 Years	6	32	53	43	6		140	146	95.9
	10 Years	6	31	55	43	5		140	149	94.0
	11+ Years	25	82	187	104	15	2	415	437	95.0
	Total	49	223	552	397	67	5	1293	1357	95.3
White	5 Years	1	26	74	90	33	6	230	247	93.1
	6 Years	1	11	63	90	23	1	189	205	92.2
	7 Years	1	9	53	91	16	2	172	188	91.5
	8 Years	2	9	53	69	19	3	155	169	91.7
	9 Years	2	11	53	51	32	2	151	166	91.0
	10 Years		9	47	60	16	2	134	147	91.2
	11+ Years	4	16	98	93	26	5	242	281	86.1
	Total	11	91	441	544	165	21	1273	1403	90.7

Table 5.15.3 PIAT Math: Percentile Scores by Child Age and Race/Ethnicity (1990 Sample Cases)

		1-19	20-39	40-59	60-79	80-89	90-99	Valid	Total	% Valid
Age of Child										
5 Years		109	106	79	116	39	30	479	516	92.8
6 Years		70	101	100	99	31	22	423	453	93.4
7 Years		58	104	115	109	31	9	426	458	93.0
8 Years		75	103	113	84	37	12	424	460	92.2
9 Years		87	94	67	60	40	26	374	398	94.0
10 Years		83	79	72	70	19	18	341	377	90.5
11+ Years		200	202	226	126	34	37	825	915	90.2
Total		682	789	772	664	231	154	3292	3577	92.0
Race of Child										
Hispanic										
5 Years		28	23	24	18	4	3	100	112	89.3
6 Years		24	27	14	21	1	3	90	100	90.0
7 Years		19	25	20	27	5	1	97	105	92.4
8 Years		31	36	25	16	8	5	121	136	89.0
9 Years		18	27	13	14	7	4	83	86	96.5
10 Years		20	21	10	11	2	3	67	81	82.7
11+ Years		44	45	43	25	4	7	168	197	85.3
Total		184	204	149	132	31	26	726	817	88.9
Black										
5 Years		44	32	25	29	9	10	149	157	94.9
6 Years		26	44	31	25	12	6	144	148	97.3
7 Years		26	47	46	30	7	1	157	165	95.2
8 Years		29	39	43	26	10	1	148	155	95.5
9 Years		49	31	27	21	10	2	140	146	95.9
10 Years		49	33	21	28	7	2	140	149	94.0
11+ Years		125	106	113	48	13	10	415	437	95.0
Total		348	332	306	207	68	32	1293	1357	95.3
White										
5 Years		37	51	30	69	26	17	230	247	93.1
6 Years		20	30	55	53	18	13	189	205	92.2
7 Years		13	32	49	52	19	7	172	188	91.5
8 Years		15	28	45	42	19	6	155	169	91.7
9 Years		20	36	27	25	23	20	151	166	91.0
10 Years		14	25	41	31	10	13	134	147	91.2
11+ Years		31	51	70	53	17	20	242	281	86.1
Total		150	253	317	325	132	96	1273	1403	90.7

Table 5.15.4 PIAT Math: Standard Scores by Child Age and Race/Ethnicity (1990 Weighted Distribution)

		1-69	70-84	85-99	100-114	115-129	130+	Total	Mean	Std. Dev.
Age of Child										
5 Years		0.8	13.0	32.7	38.4	12.8	2.4	100.0	100.2	14.1
6 Years		1.1	7.6	34.0	45.1	11.8	0.4	100.0	101.0	11.7
7 Years		0.9	6.3	34.5	49.7	7.7	1.0	100.0	100.8	10.9
8 Years		1.2	7.8	38.7	41.1	9.6	1.5	100.0	99.9	11.9
9 Years		2.3	9.9	36.0	33.5	17.4	1.0	100.0	100.5	14.1
10 Years		1.0	11.1	36.1	41.0	9.5	1.3	100.0	99.9	13.4
11+ Years		3.2	11.3	42.0	34.1	7.9	1.5	100.0	97.6	13.2
Total		1.7	9.8	36.9	39.7	10.6	1.4	100.0	99.7	12.9
Race of Child										
Hispanic	5 Years		21.3	33.8	38.5	6.4		100.0	95.1	13.2
	6 Years	2.9	16.5	40.4	37.1	3.1		100.0	94.9	12.3
	7 Years	4.0	12.4	39.3	43.2	1.2		100.0	96.0	12.0
	8 Years		14.4	50.8	28.5	6.3		100.0	95.8	11.4
	9 Years	4.7	9.8	45.6	30.7	8.1	1.1	100.0	96.8	13.4
	10 Years	1.1	20.6	41.9	28.7	4.5	3.2	100.0	95.8	14.3
	11+ Years	4.2	16.1	44.5	30.2	3.8	1.1	100.0	94.7	13.1
	Total	2.6	15.8	43.0	33.1	4.7	0.8	100.0	95.5	12.8
Black	5 Years	3.1	18.7	35.5	31.4	10.4	0.9	100.0	96.1	14.6
	6 Years	2.8	10.5	41.3	34.9	10.4		100.0	97.8	12.4
	7 Years	0.5	8.4	47.5	39.6	4.0		100.0	97.1	9.5
	8 Years	1.3	14.1	47.7	34.5	1.9	0.6	100.0	95.8	11.2
	9 Years	3.6	21.8	39.4	31.6	3.7		100.0	93.6	13.1
	10 Years	4.2	22.5	38.6	31.4	3.4		100.0	93.1	13.4
	11+ Years	5.7	19.6	44.7	25.6	4.0	0.5	100.0	92.9	12.9
	Total	3.6	17.1	42.8	31.1	5.1	0.3	100.0	94.7	12.7
White	5 Years	0.4	11.1	32.1	39.8	13.8	2.9	100.0	101.5	13.8
	6 Years	0.5	5.9	31.6	48.4	13.0	0.6	100.0	102.3	11.1
	7 Years	0.6	5.0	30.4	53.2	9.5	1.3	100.0	102.3	10.7
	8 Years	1.3	5.1	34.2	45.0	12.3	2.0	100.0	101.8	11.8
	9 Years	1.6	6.8	33.9	34.4	22.1	1.2	100.0	102.8	13.7
	10 Years		6.4	34.6	45.4	12.0	1.5	100.0	102.5	12.4
	11+ Years	1.7	6.5	40.3	38.9	10.5	2.1	100.0	100.4	12.7
	Total	1.0	6.9	34.3	43.1	13.0	1.7	100.0	101.8	12.4

Table 5.15.5 PIAT Math: Standard Scores by Maternal Education and Age of Child (1990 Weighted Distribution)

		1-69	70-84	85-99	100-114	115-129	130+	Total	Mean	Std. Dev.
Maternal Education	Age of Child									
< 12 Years	5 Years	1.1	24.1	39.5	31.3	3.7	0.3	100.0	93.5	12.9
	6 Years	2.4	15.6	39.9	37.5	2.4	2.1	100.0	96.5	12.4
	7 Years	1.1	5.4	47.1	44.8	1.6		100.0	98.0	9.8
	8 Years	3.4	13.6	45.8	29.6	7.6		100.0	96.1	12.8
	9 Years	3.6	16.0	37.8	32.2	10.4		100.0	96.4	13.6
	10 Years	2.8	18.2	42.4	34.4	2.2		100.0	93.8	12.4
	11+ Years	4.4	14.7	47.4	27.8	4.8	0.9	100.0	94.7	12.8
	Total	3.2	15.0	44.2	32.3	4.8	0.6	100.0	95.4	12.6
12 Years	5 Years	1.2	12.7	34.6	37.6	12.2	1.7	100.0	99.5	13.4
	6 Years	1.1	7.6	37.6	43.6	10.0		100.0	100.3	10.9
	7 Years		6.5	33.5	50.8	7.1	2.1	100.0	101.3	10.7
	8 Years	0.5	7.0	41.2	42.7	7.3	1.3	100.0	99.5	10.4
	9 Years	1.3	7.8	39.6	35.5	14.1	1.7	100.0	101.2	13.8
	10 Years		7.3	37.1	44.0	10.4	1.2	100.0	101.7	12.4
	11+ Years	2.5	9.7	37.6	38.6	9.6	2.1	100.0	99.3	13.2
	Total	1.1	8.7	37.2	41.4	10.1	1.5	100.0	100.3	12.3
13+ Years	5 Years		7.3	26.4	43.3	18.5	4.5	100.0	104.8	13.9
	6 Years	0.4	2.3	24.9	52.2	20.3		100.0	104.8	11.1
	7 Years	2.1	6.8	24.2	51.9	15.0		100.0	102.6	11.7
	8 Years		3.4	27.3	49.4	16.4	3.6	100.0	104.6	12.0
	9 Years	2.7	6.2	24.8	30.7	35.1	0.5	100.0	104.8	13.7
	10 Years	0.9	10.1	27.2	41.8	16.8	3.2	100.0	103.6	14.2
	11+ Years	1.5	6.5	36.8	40.8	12.3	2.0	100.0	101.3	13.1
	Total	1.0	5.9	27.7	45.0	18.4	2.1	100.0	103.7	12.9

Table 5.15.6 PIAT Math: Standard Scores by Mother's Age at Birth of Child and Age of Child
(1990 Weighted Distribution)

		1-69	70-84	85-99	100-114	115-129	130+	Total	Mean	Std. Dev.
Mother's Age at Birth of Child	Age of Child									
Under 20 Years	5 Years		18.4	81.6				100.0	84.3	3.5
	6 Years	2.0	4.7	23.8	57.3	12.1		100.0	101.9	11.2
	7 Years	0.4	4.8	48.0	42.7	4.1		100.0	98.7	9.6
	8 Years	4.2	6.2	46.0	37.2	6.1	0.4	100.0	97.5	12.0
	9 Years	1.5	10.7	36.0	41.8	8.8	1.3	100.0	99.5	13.3
	10 Years	1.1	10.8	42.6	33.1	12.5		100.0	99.2	13.1
	11+ Years	3.5	11.7	45.9	30.9	6.4	1.6	100.0	96.7	13.1
	Total	2.8	10.3	44.1	34.3	7.4	1.1	100.0	97.6	12.9
20-24 Years	5 Years	1.2	16.1	30.0	36.9	15.1	0.8	100.0	99.1	13.9
	6 Years	1.2	7.2	38.2	40.0	12.8	0.7	100.0	100.8	12.1
	7 Years	1.2	7.8	32.6	48.3	9.4	0.7	100.0	100.7	11.4
	8 Years	0.2	8.8	37.3	41.2	10.5	2.0	100.0	100.5	11.9
	9 Years	2.6	9.6	36.0	29.9	21.1	0.8	100.0	100.9	14.4
	10 Years	0.9	11.3	31.0	47.2	7.2	2.3	100.0	100.4	13.6
	11+ Years	2.2	10.1	29.5	44.2	12.8	1.2	100.0	100.6	13.1
	Total	1.3	10.1	33.8	40.7	12.9	1.2	100.0	100.4	12.9
25-29 Years	5 Years	0.3	9.2	35.6	40.6	10.1	4.3	100.0	101.6	14.1
	6 Years	0.8	8.8	27.4	53.3	9.6		100.0	101.2	10.9
	7 Years		2.5	28.1	61.1	5.6	2.7	100.0	103.1	9.7
	8 Years		2.4	15.9	65.4	16.4		100.0	106.1	7.8
	Total	0.4	7.7	31.2	48.7	9.4	2.6	100.0	101.9	12.4

Table 5.15.7 PIAT Math: Percentile Scores by Child Age and Race/Ethnicity (1990 Weighted Distribution)

		1-19	20-39	40-59	60-79	80-89	90-99	Total	Mean	Std. Dev.
Age of Child										
5 Years		18.3	22.6	14.6	27.8	9.9	6.9	100.0	50.6	28.2
6 Years		12.9	18.2	27.1	26.3	8.7	6.9	100.0	52.3	24.4
7 Years		10.0	21.5	27.9	27.8	9.6	3.2	100.0	51.9	23.2
8 Years		13.0	21.2	28.1	24.1	10.4	3.2	100.0	49.9	24.5
9 Years		16.6	24.5	18.2	16.6	13.9	10.2	100.0	51.0	28.5
10 Years		16.9	20.3	25.7	22.7	6.6	7.8	100.0	49.8	26.8
11+ Years		19.0	23.3	27.5	18.7	5.2	6.3	100.0	45.2	25.9
Total		15.7	21.9	24.4	23.1	8.7	6.3	100.0	49.5	26.1
Race of Child	Age of Child									
Hispanic	5 Years	25.1	25.2	26.1	15.2	5.8	2.5	100.0	40.6	26.2
	6 Years	24.7	27.6	16.8	27.0	0.8	3.1	100.0	40.2	24.9
	7 Years	21.6	25.7	20.5	26.7	4.8	0.6	100.0	42.8	24.5
	8 Years	26.0	30.9	19.0	13.7	7.0	3.2	100.0	40.8	24.4
	9 Years	19.5	31.9	16.0	18.9	9.4	4.3	100.0	43.7	26.2
	10 Years	28.1	29.8	13.1	20.0	2.2	6.8	100.0	40.8	27.4
	11+ Years	26.6	26.6	23.2	17.0	2.2	4.5	100.0	39.2	25.0
	Total	24.8	28.1	20.0	19.1	4.4	3.6	100.0	40.8	25.4
Black	5 Years	29.0	22.4	16.7	19.4	6.0	6.6	100.0	42.5	28.8
	6 Years	18.3	28.3	22.7	18.2	7.4	5.1	100.0	45.6	25.1
	7 Years	15.0	29.2	31.8	19.1	4.3	0.6	100.0	43.9	21.1
	8 Years	20.5	26.2	29.8	17.1	5.8	0.6	100.0	41.4	23.0
	9 Years	32.9	23.5	19.1	16.1	7.3	1.1	100.0	37.5	26.3
	10 Years	35.0	23.2	15.5	20.6	4.4	1.4	100.0	37.0	26.7
	11+ Years	29.7	25.1	27.5	11.9	3.1	2.7	100.0	36.1	24.3
	Total	26.5	25.4	24.4	16.2	4.9	2.6	100.0	39.6	25.2
White	5 Years	15.6	22.4	13.1	30.5	11.0	7.4	100.0	53.1	27.7
	6 Years	10.3	14.8	29.3	28.1	9.8	7.7	100.0	55.1	23.4
	7 Years	7.4	19.0	27.6	30.4	11.6	4.1	100.0	55.1	22.8
	8 Years	8.9	18.2	29.2	27.7	12.2	4.0	100.0	53.8	23.9
	9 Years	12.0	23.8	18.2	16.5	16.1	13.3	100.0	55.4	28.1
	10 Years	9.8	18.2	30.4	23.7	7.9	10.0	100.0	54.8	25.1
	11+ Years	12.5	21.9	28.3	22.3	6.7	8.4	100.0	50.7	25.3
	Total	11.3	20.0	24.9	25.7	10.4	7.8	100.0	53.7	25.4

Table 5.15.8 PIAT Math: Percentile Scores by Maternal Education and Age of Child (1990 Weighted Distribution)

		1-19	20-39	40-59	60-79	80-89	90-99	Total	Mean	Std. Dev.
Maternal Education	Age of Child									
< 12 Years	5 Years	33.2	24.6	18.6	19.5	2.5	1.5	100.0	37.5	26.1
	6 Years	22.7	21.7	32.1	16.8	4.1	2.5	100.0	42.7	24.0
	7 Years	9.9	35.4	27.1	18.8	7.2	1.6	100.0	45.7	21.6
	8 Years	21.1	26.9	21.0	20.2	9.0	1.8	100.0	42.6	25.8
	9 Years	28.5	21.4	18.5	17.6	9.3	4.8	100.0	43.0	28.0
	10 Years	26.8	25.1	26.8	16.5	3.7	1.0	100.0	38.2	24.4
	11+ Years	23.0	29.4	25.1	15.9	2.9	3.7	100.0	39.3	24.6
	Total	23.2	27.3	24.3	17.4	5.0	2.8	100.0	40.9	25.0
12 Years	5 Years	17.0	24.1	15.0	28.4	12.0	3.5	100.0	49.4	27.2
	6 Years	11.4	20.4	27.3	26.9	8.4	5.6	100.0	51.0	23.5
	7 Years	9.0	16.7	32.9	30.7	6.9	3.9	100.0	52.7	22.5
	8 Years	12.3	21.6	31.3	25.0	8.1	1.5	100.0	48.9	22.2
	9 Years	12.8	29.6	15.8	18.5	12.1	11.2	100.0	51.8	27.9
	10 Years	13.4	20.6	23.6	27.8	5.6	9.1	100.0	53.2	25.7
	11+ Years	16.7	19.8	29.5	19.3	6.8	7.7	100.0	48.8	26.1
	Total	13.6	21.7	25.2	24.8	8.6	6.1	100.0	50.6	25.3
13+ Years	5 Years	12.1	19.2	11.7	31.3	10.9	14.8	100.0	59.4	27.5
	6 Years	8.7	12.6	23.7	31.4	11.9	11.6	100.0	60.3	23.4
	7 Years	12.0	16.6	19.2	32.2	16.7	3.4	100.0	56.5	24.7
	8 Years	5.8	14.6	30.7	24.7	16.3	7.9	100.0	59.2	23.9
	9 Years	8.9	16.6	23.4	10.7	24.8	15.5	100.0	60.3	27.5
	10 Years	12.0	14.0	27.2	20.8	12.3	13.6	100.0	56.9	27.6
	11+ Years	14.1	14.2	29.8	24.7	7.4	9.8	100.0	52.6	25.8
	Total	10.8	15.5	22.8	26.5	13.4	11.0	100.0	57.8	25.9

Table 5.15.9 PIAT Math: Percentile Scores by Mother's Age at Birth of Child and Age of Child (1990 Weighted Distribution)

		1-19	20-39	40-59	60-79	80-89	90-99	Total	Mean	Std. Dev.
Mother's Age at Birth of Child	Age of Child									
Under 20 Years	5 Years	100.0						100.0	15.0	4.3
	6 Years	8.8	12.1	34.1	30.6	11.8	2.5	100.0	55.0	23.0
	7 Years	9.3	27.4	34.5	19.7	7.1	2.0	100.0	46.9	21.6
	8 Years	16.5	26.4	26.2	21.6	6.9	2.5	100.0	45.3	24.1
	9 Years	16.9	26.7	18.5	20.4	10.1	7.4	100.0	48.9	27.4
	10 Years	18.4	19.4	30.2	17.5	6.3	8.1	100.0	48.1	26.5
	11+ Years	20.0	26.8	26.2	16.8	4.5	5.6	100.0	43.2	25.5
	Total	18.3	25.4	26.6	18.2	5.9	5.5	100.0	45.1	25.6
20-24 Years	5 Years	22.1	18.9	17.1	25.3	11.7	4.9	100.0	48.9	28.4
	6 Years	14.3	19.9	28.1	19.9	9.6	8.1	100.0	51.4	25.1
	7 Years	11.4	21.9	25.1	26.6	11.5	3.6	100.0	51.8	23.9
	8 Years	12.4	20.5	28.7	23.6	11.4	3.6	100.0	50.8	24.6
	9 Years	16.5	23.5	18.1	15.0	15.5	11.4	100.0	51.8	28.9
	10 Years	15.7	20.9	22.1	26.8	6.9	7.6	100.0	51.1	27.0
	11+ Years	15.6	12.0	32.0	24.7	7.2	8.4	100.0	51.8	26.1
	Total	15.4	19.9	24.3	22.9	10.9	6.7	100.0	51.1	26.3
25-29 Years	5 Years	12.9	27.2	11.6	31.0	7.8	9.5	100.0	53.0	27.7
	6 Years	10.7	15.8	23.7	38.5	6.0	5.2	100.0	53.5	23.0
	7 Years	6.0	14.8	31.1	39.8	5.6	2.7	100.0	56.7	21.1
	8 Years	2.4		31.6	49.7	14.7	1.7	100.0	64.4	16.7
	Total	10.7	20.8	19.2	35.4	7.1	6.8	100.0	54.2	25.1

Table 5.15.10 PIAT Assessments: Within-Year Correlations, 1990

Age of Child	PIAT Math	PIAT Reading Recognition	PIAT Reading Comprehension
PIAT Mathematics			
All Children	---	.58	.56
5-7 Years	---	.46	.43
8-9 Years	---	.63	.57
10-12 Years	---	.58	.58
13 Years and Over	---	.62	.62
PIAT Reading Recognition			
All Children	.58	---	.81
5-7 Years	.46	---	.90
8-9 Years	.63	---	.80
10-12 Years	.58	---	.80
13 Years and Over	.62	---	.71
PIAT Reading Comprehension			
All Children	.56	.81	---
5-7 Years	.43	.90	---
8-9 Years	.57	.80	---
10-12 Years	.58	.80	---
13 Years and Over	.62	.71	---

Table 5.15.11 PIAT Assessments: Correlations with Other Assessments, 1990

	PIAT Mathematics	PIAT Reading Recognition	PIAT Reading Comprehension
SPPC Scholastic Competence	.33	.27	.25
SPPC Global Self-worth	.17	.14	.14
Behavior Problems	-.13	-.16	-.18
HOME (Total)	.29	.30	.31
HOME Cognitive Stimulation	.25	.27	.29
HOME Emotional Support	.21	.20	.18
Digit Span	.39	.45	.38
PPVT	.52	.55	.59

Note: More detailed age breaks for many of these correlations may be found in the correlation tables for the other assessments.

Table 5.15.12 PIAT Assessments: Within and Cross-Year Correlations

Age of Child	<u>PIAT MATHEMATICS</u>			<u>PIAT READING RECOGNITION</u>			<u>PIAT READING COMPREHENSION</u>		
	1986	1988	1990	1986	1988	1990	1986	1988	1990
PIAT Math 1986									
All Children	---	.59	.57	.57	.52	.50	.55	.51	.45
5-7 Years	---	.54	.52	.46	.45	.43	.45	.42	.42
8-9 Years	---	.61	.59	.59	.50	.48	.57	.50	.43
10 Years and Over	---	.65	.63	.63	.61	.59	.60	.59	.49
PIAT Reading Recognition 1986									
All Children	.57	.53	.52	---	.71	.70	.81	.63	.58
5-7 Years	.46	.43	.39	---	.57	.55	.82	.53	.52
8-9 Years	.59	.58	.61	---	.82	.77	.78	.70	.65
10 Years and Over	.63	.60	.60	---	.75	.85	.78	.64	.55
PIAT Reading Comprehension 1986									
All Children	.55	.49	.50	.81	.62	.62	---	.60	.52
5-7 Years	.45	.40	.37	.82	.56	.55	---	.52	.47
8-9 Years	.57	.55	.58	.78	.65	.61	---	.65	.54
10 Years and Over	.60	.53	.56	.78	.59	.72	---	.55	.52

Table 5.16.1 PIAT Reading Recognition: Total Raw Scores by Child Age and Race/Ethnicity (1990 Sample Cases)

		0-9	10-14	15-19	20-29	30-39	40-49	50+	Valid	Total	% Valid
Age of Child											
5 Years		115	118	210	13	3	1		460	516	89.1
6 Years		18	32	231	103	17	4	5	410	453	90.5
7 Years		1	5	62	214	98	37	9	426	456	93.4
8 Years				9	113	139	112	44	417	460	90.7
9 Years				3	66	93	103	106	371	398	93.2
10 Years					30	65	110	130	335	376	89.1
11+ Years				2	30	93	175	528	828	917	90.3
Total		134	155	517	569	508	542	822	3247	3576	90.8
Race of Child											
Hispanic											
5 Years		38	30	26	5				99	112	88.4
6 Years		6	13	46	19	3			87	100	87.0
7 Years		1	2	14	50	19	9	1	96	105	91.4
8 Years				6	42	36	23	11	118	136	86.8
9 Years				3	14	26	21	18	82	86	95.3
10 Years					5	15	19	26	65	81	80.2
11+ Years					5	18	38	103	164	197	83.2
Total		45	45	95	140	117	110	159	711	817	87.0
Black											
5 Years		35	32	71	1	2			141	157	89.8
6 Years		6	8	79	35	5	2	2	137	148	92.6
7 Years			2	21	88	33	8	2	154	163	94.5
8 Years				2	43	54	38	9	146	154	94.8
9 Years					36	37	33	33	139	146	95.2
10 Years					20	32	49	40	141	148	95.3
11+ Years					18	55	100	245	418	438	95.4
Total		41	42	173	241	218	230	331	1276	1354	94.2
White											
5 Years		42	56	113	7	1	1		220	247	89.1
6 Years		6	11	106	49	9	2	3	186	205	90.7
7 Years			1	27	76	46	20	6	176	188	93.6
8 Years				1	28	49	51	24	153	170	90.0
9 Years					16	30	49	55	150	166	90.4
10 Years					5	18	42	64	129	147	87.8
11+ Years				2	7	20	37	180	246	282	87.2
Total		48	68	249	188	173	202	332	1260	1405	89.7

Table 5.16.2 PIAT Reading Recognition: Standard Scores by Child Age and Race/Ethnicity (1990 Sample Cases)

		1-69	70-84	85-99	100-114	115-129	130+	Valid	Total	% Valid
Age of Child										
5 Years		4	45	104	178	120	9	460	517	89.0
6 Years		3	15	187	164	33	8	410	453	90.5
7 Years		1	35	138	188	59	5	426	458	93.0
8 Years		7	27	112	193	73	5	417	461	90.5
9 Years		14	47	96	132	70	12	371	398	93.2
10 Years		6	38	111	117	49	14	335	377	88.9
11+ Years		32	134	268	285	75	31	825	915	90.2
Total		67	341	1016	1257	479	84	3244	3579	90.6
Race of Child										
Hispanic	5 Years	4	13	27	36	18	1	99	112	88.4
	6 Years		5	54	24	4		87	100	87.0
	7 Years	1	10	33	38	14		96	105	91.4
	8 Years	4	10	41	45	18		118	136	86.8
	9 Years	4	10	30	26	12		82	86	95.3
	10 Years	1	8	26	22	5	3	65	81	80.2
	11+ Years	6	27	48	61	15	7	164	197	83.2
	Total	20	83	259	252	86	11	711	817	87.0
Black	5 Years		15	32	51	40	3	141	158	89.2
	6 Years	1	6	59	60	8	3	137	148	92.6
	7 Years		13	55	72	13	1	154	165	93.3
	8 Years	3	9	43	72	19		146	155	94.2
	9 Years	7	25	40	41	24	2	139	146	95.2
	10 Years	5	22	55	42	12	5	141	149	94.6
	11+ Years	18	80	163	117	29	9	416	437	95.2
	Total	34	170	447	455	145	23	1274	1358	93.8
White	5 Years		17	45	91	62	5	220	247	89.1
	6 Years	2	4	74	80	21	5	186	205	90.7
	7 Years		12	50	78	32	4	176	188	93.6
	8 Years		8	28	76	36	5	153	170	90.0
	9 Years	3	12	26	65	34	10	150	166	90.4
	10 Years		8	30	53	32	6	129	147	87.8
	11+ Years	8	27	57	107	31	15	245	281	87.2
	Total	13	88	310	550	248	50	1259	1404	89.7

Table 5.16.3 PIAT Reading Recognition: Percentile Scores by Child Age and Race/Ethnicity (1990 Sample Cases)

		1-19	20-39	40-59	60-79	80-89	90-99	Valid	Total	% Valid
Age of Child										
5 Years		57	77	61	101	73	91	460	517	89.0
6 Years		25	116	127	94	18	30	410	453	90.5
7 Years		58	91	93	95	54	35	426	458	93.0
8 Years		50	60	80	125	53	49	417	461	90.5
9 Years		66	70	56	79	48	52	371	398	93.2
10 Years		56	57	83	57	50	32	335	377	88.9
11+ Years		197	168	157	169	66	68	825	915	90.2
Total		509	639	657	720	362	357	3244	3579	90.6
Race of Child										
Hispanic										
5 Years		21	21	15	20	6	16	99	112	88.4
6 Years		10	32	24	15	2	4	87	100	87.0
7 Years		14	24	20	18	14	6	96	105	91.4
8 Years		17	21	28	30	10	12	118	136	86.8
9 Years		16	23	10	17	10	6	82	86	95.3
10 Years		12	15	14	13	5	6	65	81	80.2
11+ Years		38	29	35	33	15	14	164	197	83.2
Total		128	165	146	146	62	64	711	817	87.0
Black										
5 Years		17	22	19	31	23	29	141	158	89.2
6 Years		9	33	47	36	3	9	137	148	92.6
7 Years		21	37	39	34	14	9	154	165	93.3
8 Years		19	24	30	45	17	11	146	155	94.2
9 Years		33	31	20	24	16	15	139	146	95.2
10 Years		32	29	37	15	19	9	141	149	94.6
11+ Years		118	106	72	77	21	22	416	437	95.2
Total		249	282	264	262	113	104	274	1358	93.8
White										
5 Years		19	34	27	50	44	46	220	247	89.1
6 Years		6	51	56	43	13	17	186	205	90.7
7 Years		23	30	34	43	26	20	176	188	93.6
8 Years		14	15	22	50	26	26	153	170	90.0
9 Years		17	16	26	38	22	31	150	166	90.4
10 Years		12	13	32	29	26	17	129	147	87.8
11+ Years		41	33	50	59	30	32	245	281	87.2
Total		132	192	247	312	187	189	1259	1404	89.7

Table 5.16.4 PIAT Reading Recognition: Standard Scores by Child Age and Race/Ethnicity (1990 Weighted Distribution)

		1-69	70-84	85-99	100-114	115-129	130+	Total	Mean	Std. Dev.
Age of Child										
5 Years		0.4	8.3	20.5	40.7	28.0	2.2	100.0	106.4	13.4
6 Years		0.9	2.8	40.8	43.5	9.6	2.5	100.0	101.8	11.3
7 Years		0.1	7.1	30.0	44.9	16.4	1.6	100.0	102.6	12.6
8 Years		0.6	6.0	22.1	48.2	20.9	2.3	100.0	105.5	13.2
9 Years		2.6	9.7	20.7	40.1	21.9	5.0	100.0	104.9	15.1
10 Years		0.7	8.8	27.4	37.8	21.1	4.3	100.0	103.8	14.3
11+ Years		3.7	14.5	28.5	37.6	11.0	4.7	100.0	100.1	15.8
Total		1.6	9.0	27.3	41.3	17.5	3.3	100.0	103.1	14.2
Race of Child										
Hispanic	5 Years	5.3	14.0	26.3	35.0	18.7	0.7	100.0	99.7	15.9
	6 Years		4.9	59.0	31.1	4.9		100.0	98.3	9.2
	7 Years	1.1	11.3	32.9	40.9	13.8		100.0	99.6	13.1
	8 Years	2.6	8.6	33.7	40.8	14.3		100.0	101.2	13.4
	9 Years	4.5	12.6	37.1	30.5	15.4		100.0	98.5	14.9
	10 Years	1.2	10.9	39.9	35.8	8.8	3.5	100.0	100.3	13.8
	11+ Years	3.6	16.1	26.9	38.0	11.8	3.7	100.0	99.9	15.4
	Total	2.8	11.9	34.7	36.5	12.6	1.4	100.0	99.7	14.1
Black	5 Years		10.1	21.5	36.9	29.3	2.2	100.0	105.6	13.7
	6 Years	0.6	5.0	40.3	45.7	5.9	2.5	100.0	101.1	11.1
	7 Years		7.8	36.2	46.6	8.9	0.6	100.0	100.4	11.2
	8 Years	1.8	6.5	28.8	49.3	13.7		100.0	102.0	12.6
	9 Years	4.4	17.9	28.9	30.1	17.3	1.5	100.0	99.1	15.5
	10 Years	2.8	16.2	40.3	28.9	8.5	3.4	100.0	97.8	14.6
	11+ Years	3.9	19.6	38.7	28.3	7.0	2.4	100.0	95.4	14.8
	Total	2.4	13.7	34.8	35.7	11.4	1.9	100.0	99.0	14.2
White	5 Years		7.4	19.7	42.0	28.5	2.3	100.0	107.1	12.8
	6 Years	1.1	2.0	39.1	44.2	10.9	2.7	100.0	102.3	11.5
	7 Years		6.4	28.0	44.8	18.7	2.1	100.0	103.4	12.8
	8 Years		5.4	18.3	49.1	23.9	3.3	100.0	107.2	13.0
	9 Years	1.9	7.2	16.6	43.9	23.9	6.5	100.0	107.2	14.4
	10 Years		6.1	21.7	40.9	26.6	4.6	100.0	106.2	13.5
	11+ Years	3.6	11.8	23.8	42.1	12.8	5.9	100.0	102.4	15.8
	Total	1.2	7.1	24.1	43.7	19.9	4.0	100.0	104.8	13.8

Table 5.16.5 PIAT Reading Recognition: Standard Scores by Maternal Education and Age of Child (1990 Weighted Distribution)

		1-69	70-84	85-99	100-114	115-129	130+	Total	Mean	Std. Dev.
Maternal Education	Age of Child									
< 12 Years	5 Years	1.5	16.2	31.2	35.8	15.4		100.0	99.4	13.0
	6 Years		11.8	51.9	31.2	5.1		100.0	96.8	9.8
	7 Years	0.3	8.2	42.2	32.5	16.7		100.0	99.1	12.2
	8 Years	1.6	10.9	29.7	45.0	12.9		100.0	100.6	13.6
	9 Years	5.8	13.6	28.6	41.4	10.6		100.0	97.5	13.9
	10 Years	1.6	17.2	33.8	26.4	17.3	3.8	100.0	100.1	16.2
	11+ Years	6.6	18.8	32.5	31.2	8.8	2.2	100.0	96.0	16.0
	Total	3.6	15.0	34.7	34.0	11.5	1.2	100.0	97.8	14.5
12 Years	5 Years	0.1	7.9	21.6	43.5	26.2	0.7	100.0	105.9	12.7
	6 Years	1.7	0.2	42.2	46.3	8.1	1.4	100.0	101.6	10.7
	7 Years		5.9	25.9	50.0	17.5	0.7	100.0	103.4	12.0
	8 Years	0.2	5.1	23.4	51.2	16.9	3.1	100.0	105.1	12.7
	9 Years	1.5	9.1	20.5	39.9	23.3	5.6	100.0	106.2	14.6
	10 Years	0.6	6.5	27.4	40.7	20.2	4.6	100.0	104.5	13.3
	11+ Years	1.8	13.2	26.0	38.3	12.4	8.2	100.0	103.2	16.1
	Total	0.9	7.4	26.6	43.9	17.4	3.8	100.0	104.2	13.6
13+ Years	5 Years	0.1	4.5	12.8	39.4	37.7	5.5	100.0	111.1	12.6
	6 Years	0.3	0.5	31.4	47.4	14.8	5.6	100.0	105.4	11.8
	7 Years		8.0	23.5	49.1	14.5	4.8	100.0	104.9	13.3
	8 Years	0.3	2.4	11.7	44.8	37.4	3.4	100.0	111.5	11.5
	9 Years	0.5	5.5	9.9	38.5	35.0	10.6	100.0	112.4	12.9
	10 Years		3.3	20.2	44.5	27.7	4.3	100.0	107.2	12.5
	11+ Years	0.6	7.1	22.8	52.7	13.7	3.1	100.0	103.8	12.0
	Total	0.3	4.5	19.5	45.6	25.0	5.1	100.0	107.7	12.8

Table 5.16.6 PIAT Reading Recognition: Standard Scores by Mother's Age at Birth of Child and Age of Child
(1990 Weighted Distribution)

		1-69	70-84	85-99	100-114	115-129	130+	Total	Mean	Std. Dev.
Mother's Age at Birth of Child	Age of Child									
Under 20 Years	5 Years		18.4		81.6			100.0	104.0	10.5
	6 Years		1.7	50.2	28.9	19.2		100.0	103.1	11.4
	7 Years		4.6	30.1	54.1	11.2		100.0	102.1	11.5
	8 Years	0.9	13.9	26.2	49.6	8.0	1.4	100.0	100.3	13.4
	9 Years	1.9	14.3	18.4	43.4	17.1	4.9	100.0	102.5	14.8
	10 Years	1.7	9.7	29.5	33.1	20.6	5.5	100.0	103.5	15.0
	11+ Years	3.9	15.1	31.9	33.0	11.2	5.0	100.0	99.5	16.0
	Total	2.8	13.2	29.9	37.1	12.9	4.2	100.0	100.7	15.2
20-24 Years	5 Years	0.2	9.1	20.1	40.2	29.1	1.3	100.0	105.9	13.5
	6 Years	0.7	2.7	41.1	42.2	9.4	3.8	100.0	102.2	11.8
	7 Years	0.1	9.0	29.2	42.6	16.4	2.6	100.0	102.3	13.3
	8 Years	0.6	3.3	21.1	46.7	25.6	2.7	100.0	107.2	12.8
	9 Years	3.0	7.7	21.8	38.6	24.0	5.0	100.0	105.9	15.1
	10 Years		8.1	25.7	41.5	21.4	3.2	100.0	104.1	13.7
	11+ Years	2.9	12.6	17.8	52.5	10.4	3.7	100.0	102.1	15.0
	Total	1.1	7.2	25.6	43.3	19.7	3.2	100.0	104.3	13.7
25-29 Years	5 Years	0.5	7.2	21.1	40.9	26.9	3.3	100.0	107.0	13.1
	6 Years	1.4	3.2	38.3	49.1	8.0		100.0	100.7	10.0
	7 Years		3.0	32.3	43.3	21.5		100.0	103.9	11.1
	8 Years		2.4	12.7	64.6	20.4		100.0	110.0	10.7
	Total	0.7	5.1	27.9	44.6	20.2	1.6	100.0	104.7	12.2

Table 5.16.7 PIAT Reading Recognition: Percentile Scores by Child Age and Race/Ethnicity (1990 Weighted Distribution)

		1-19	20-39	40-59	60-79	80-89	90-99	Total	Mean	Std. Dev.
Age of Child										
5 Years		10.0	15.1	12.3	23.0	18.7	20.9	100.0	62.9	27.3
6 Years		4.4	26.6	31.1	23.7	5.7	8.5	100.0	53.3	22.0
7 Years		12.7	18.8	20.8	23.7	14.4	9.6	100.0	55.3	26.5
8 Years		10.8	11.5	17.2	31.3	14.7	14.6	100.0	61.7	26.4
9 Years		13.7	13.4	16.6	23.6	14.6	18.0	100.0	59.8	28.7
10 Years		12.7	12.9	24.5	20.2	17.8	11.9	100.0	57.6	27.8
11+ Years		21.2	17.4	19.5	21.4	9.8	10.7	100.0	50.3	29.5
Total		13.3	16.8	20.0	23.5	13.1	13.2	100.0	56.4	27.7
Race of Child										
Hispanic										
5 Years		23.9	20.1	13.2	20.5	5.4	17.1	100.0	49.7	31.0
6 Years		11.2	33.5	28.6	18.9	2.9	4.9	100.0	45.9	20.6
7 Years		14.5	26.2	19.0	19.2	16.5	4.6	100.0	50.0	27.4
8 Years		13.4	17.4	24.0	26.9	9.7	8.7	100.0	53.2	26.7
9 Years		20.6	25.2	13.4	21.6	11.1	8.2	100.0	47.8	28.8
10 Years		18.1	22.3	19.9	22.1	7.8	9.8	100.0	50.2	27.7
11+ Years		21.6	15.6	22.2	20.4	11.9	8.3	100.0	50.1	29.2
Total		18.1	21.5	20.5	21.4	9.8	8.7	100.0	49.8	27.9
Black										
5 Years		12.0	13.7	13.4	22.8	16.7	21.4	100.0	61.6	28.0
6 Years		6.9	23.2	33.0	27.3	2.8	6.8	100.0	51.9	21.4
7 Years		11.6	25.2	25.3	23.0	8.9	5.9	100.0	50.5	24.4
8 Years		12.8	15.9	21.3	31.6	10.1	8.4	100.0	54.9	26.2
9 Years		22.8	22.2	16.0	16.1	11.8	11.2	100.0	48.7	30.4
10 Years		22.4	21.9	25.2	11.3	13.0	6.2	100.0	45.3	28.4
11+ Years		28.5	24.9	17.3	18.9	4.6	5.8	100.0	40.8	28.0
Total		19.6	22.0	20.6	21.0	8.4	8.4	100.0	48.1	27.9
White										
5 Years		8.4	15.0	12.0	23.2	20.3	21.2	100.0	64.4	26.4
6 Years		3.1	26.7	31.0	23.4	6.6	9.2	100.0	54.3	22.2
7 Years		12.7	16.3	19.8	24.4	15.7	11.0	100.0	57.1	26.7
8 Years		9.8	9.3	14.9	31.9	16.8	17.3	100.0	65.0	25.8
9 Years		10.4	9.7	17.2	25.8	15.8	21.0	100.0	64.3	27.0
10 Years		8.8	8.8	24.9	22.9	20.5	14.1	100.0	62.5	26.2
11+ Years		17.5	14.0	20.2	22.8	12.1	13.4	100.0	54.9	29.2
Total		10.7	14.7	19.8	24.6	15.0	15.2	100.0	59.8	26.9

Table 5.16.8 PIAT Reading Recognition: Percentile Scores by Maternal Education and Age of Child
(1990 Weighted Distribution)

		1-19	20-39	40-59	60-79	80-89	90-99	Total	Mean	Std. Dev.
Maternal Education	Age of Child									
< 12 Years	5 Years			20.3	25.0	14.5	21.0	8.3	10.9	100.0 48.8 28.1
	6 Years			14.0	30.6	35.5	14.8	3.0	2.1	100.0 43.4 21.0
	7 Years			19.9	25.6	20.8	16.2	9.4	8.1	100.0 47.4 26.5
	8 Years			18.3	14.4	24.6	22.7	11.5	8.5	100.0 52.0 27.6
	9 Years			21.9	20.1	21.1	21.1	9.4	6.2	100.0 46.1 27.5
	10 Years			23.8	17.5	17.4	16.4	13.3	11.5	100.0 49.8 31.2
	11+ Years			29.8	19.7	18.7	16.5	7.7	7.6	100.0 42.8 29.7
	Total			23.5	21.1	20.9	17.9	8.7	7.8	100.0 46.0 28.3
12 Years	5 Years			9.7	16.1	11.1	25.9	20.5	16.8	100.0 62.1 26.7
	6 Years			2.2	28.9	28.1	27.3	7.4	6.2	100.0 53.2 21.0
	7 Years			11.0	16.4	20.4	27.5	17.3	7.4	100.0 57.5 25.5
	8 Years			10.2	12.9	16.9	33.0	16.7	10.4	100.0 60.9 25.6
	9 Years			11.8	12.3	15.9	25.2	16.0	18.8	100.0 62.3 27.8
	10 Years			10.4	10.5	27.9	21.5	18.4	11.3	100.0 59.0 26.2
	11+ Years			17.4	16.1	18.1	21.4	11.1	15.9	100.0 55.2 29.8
	Total			10.9	16.4	19.2	25.7	15.0	12.8	100.0 58.3 26.7
13+ Years	5 Years			4.6	8.2	12.8	19.8	22.0	32.6	100.0 72.2 23.8
	6 Years			1.2	20.6	32.8	24.4	4.9	16.1	100.0 59.8 21.8
	7 Years			8.3	14.9	21.9	25.1	14.9	14.9	100.0 60.0 26.3
	8 Years			3.8	6.0	10.0	35.7	14.8	29.6	100.0 73.6 21.8
	9 Years			6.0	6.3	11.6	23.6	18.9	33.4	100.0 74.0 23.4
	10 Years			3.9	12.0	25.3	22.7	22.2	13.9	100.0 64.3 24.6
	11+ Years			8.5	13.3	25.0	33.8	12.4	7.1	100.0 58.4 23.6
	Total			5.2	12.0	20.4	26.4	15.3	20.6	100.0 65.5 24.5

Table 5.16.9 PIAT Reading Recognition: Percentile Scores by Mother's Age at Birth of Child and Age of Child
(1990 Weighted Distribution)

		1-19	20-39	40-59	60-79	80-89	90-99	Total	Mean	Std. Dev.
Mother's Age at Birth of Child	Age of Child									
Under 20 Years	5 Years		18.4			81.6			100.0	60.8
	6 Years		4.0	33.9	27.4	3.1	17.5	14.2	100.0	55.8
	7 Years		9.1	23.8	22.6	25.0	12.8	6.8	100.0	54.6
	8 Years		21.1	12.1	20.5	28.5	14.8	3.0	100.0	51.9
	9 Years		17.7	13.3	18.6	24.8	12.6	12.9	100.0	55.3
	10 Years		14.3	14.4	23.1	17.0	18.1	12.9	100.0	56.7
	11+ Years		22.2	19.5	21.3	16.1	9.9	11.0	100.0	48.7
	Total		19.2	18.1	21.3	18.8	12.1	10.5	100.0	51.3
20-24 Years	5 Years		10.4	15.3	13.1	23.6	16.8	20.9	100.0	61.9
	6 Years		3.9	27.2	29.7	23.8	5.8	9.5	100.0	53.7
	7 Years		15.5	17.1	19.4	24.6	12.0	11.4	100.0	54.6
	8 Years		7.4	11.2	16.9	30.4	15.5	18.6	100.0	64.8
	9 Years		11.9	13.5	15.7	23.1	15.5	20.3	100.0	61.9
	10 Years		11.4	11.6	25.7	22.7	17.5	11.1	100.0	58.3
	11+ Years		18.0	10.9	14.0	38.1	9.6	9.5	100.0	55.4
	Total		10.9	15.6	19.1	26.4	13.1	14.8	100.0	58.8
25-29 Years	5 Years		9.4	15.1	11.5	21.5	21.3	21.2	100.0	64.2
	6 Years		5.5	23.9	34.9	27.7	2.9	5.1	100.0	51.7
	7 Years		6.6	19.5	24.1	19.5	24.4	5.9	100.0	58.4
	8 Years		2.4	12.7		64.6		20.4	100.0	71.3
	Total		7.5	18.4	20.2	24.5	15.8	13.7	100.0	59.8

Table 5.17.1 PIAT Reading Comprehension: Total Raw Scores by Child Age and Race/Ethnicity (1990 Sample Cases)

		0-9	10-14	15-19	20-29	30-39	40-49	50+	Valid	Total	% Valid
Age of Child											
5 Years		115	118	215	7	1	1		457	516	88.6
6 Years		18	32	267	56	10	9	2	394	453	87.0
7 Years		1	5	103	192	71	34	3	409	456	89.7
8 Years				16	137	105	125	25	408	460	88.7
9 Years				12	74	85	134	61	366	398	92.0
10 Years				4	44	66	134	88	336	376	89.4
11+ Years				5	57	87	256	411	816	917	89.0
Total		134	155	622	567	425	693	590	3186	3576	89.1
Race of Child											
Hispanic	5 Years	38	30	29	2				99	112	88.4
	6 Years	6	13	58	6		1		84	100	84.0
	7 Years	1	2	26	37	17	6	2	91	105	86.7
	8 Years			6	48	30	25	6	115	136	84.6
	9 Years			6	21	20	26	9	82	86	95.3
	10 Years			1	6	20	21	19	67	81	82.7
	11+ Years				8	16	49	87	160	197	81.2
	Total	45	45	126	128	103	128	123	698	817	85.4
Black	5 Years	35	32	69	2	1			139	157	88.5
	6 Years	6	8	93	17	4	3	1	132	148	89.2
	7 Years		2	39	76	24	7		148	163	90.8
	8 Years			6	58	37	38	5	144	154	93.5
	9 Years			5	36	35	40	18	134	146	91.8
	10 Years			2	28	29	55	24	138	148	93.2
	11+ Years			1	42	49	155	167	414	438	94.5
	Total	41	42	215	259	179	298	215	1249	1354	92.2
White	5 Years	42	56	117	3		1		219	247	88.7
	6 Years	6	11	116	33	6	5	1	178	205	86.8
	7 Years		1	38	79	30	21	1	170	188	90.4
	8 Years			4	31	38	62	14	149	170	87.6
	9 Years			1	17	30	68	34	150	166	90.4
	10 Years			1	10	17	58	45	131	147	89.1
	11+ Years			4	7	22	52	157	242	282	85.8
	Total	48	68	281	180	143	267	252	1239	1405	88.2

Table 5.17.2 PIAT Reading Comprehension: Standard Scores by Child Age and Race/Ethnicity (1990 Sample Cases)

312

		1-69	70-84	85-99	100-114	115-129	130+	Valid	Total	% Valid
Age of Child										
5 Years					42	54	4	100	160	62.5
6 Years				91	126	23	11	251	310	81.0
7 Years			33	129	171	54	2	389	438	88.8
8 Years		2	39	115	155	86	9	406	459	88.5
9 Years		20	37	111	134	57	7	366	398	92.0
10 Years		11	49	110	113	50	3	336	377	89.1
11+ Years		41	152	304	248	61	7	813	915	88.9
Total		74	310	860	989	385	43	2661	3057	87.0
Race of Child										
Hispanic										
5 Years					4	12		16	29	55.2
6 Years				21	18	1	1	41	57	71.9
7 Years			9	33	27	11	2	82	96	85.4
8 Years		2	14	34	48	15	2	115	136	84.6
9 Years		9	10	27	26	9	1	82	86	95.3
10 Years		2	9	23	22	10	1	67	81	82.7
11+ Years		4	27	59	56	11	3	160	197	81.2
Total		17	69	197	201	69	10	563	682	82.6
Black										
5 Years					12	17	1	30	49	61.2
6 Years				34	42	8	4	88	104	84.6
7 Years			13	53	63	14		143	160	89.4
8 Years			16	50	49	28		143	154	92.9
9 Years		8	18	48	42	15	3	134	146	91.8
10 Years		8	29	45	41	14	1	138	149	92.6
11+ Years		28	97	177	83	25	2	412	437	94.3
Total		44	173	407	332	121	11	1088	1199	90.7
White										
5 Years					26	25	3	54	82	65.9
6 Years				36	66	14	6	122	149	81.9
7 Years			11	43	81	29	18	164	182	90.1
8 Years			9	31	58	43	7	148	169	87.6
9 Years		3	9	36	66	33	3	150	166	90.4
10 Years		1	11	42	50	26	1	131	147	89.1
11+ Years		9	28	68	109	25	2	241	281	85.8
Total		13	68	256	456	195	22	1010	1176	85.9

Table 5.17.3 PIAT Reading Comprehension: Percentile Scores by Child Age and Race/Ethnicity (1990 Sample Cases)

		1-19	20-39	40-59	60-79	80-89	90-99	Valid	Total	% Valid
Age of Child										
5 Years					9	35	56	100	160	62.5
6 Years			50	77	81	17	26	251	310	81.0
7 Years		33	100	77	100	45	34	389	438	88.8
8 Years		54	67	72	93	60	60	406	459	88.5
9 Years		70	57	84	69	44	42	366	398	92.0
10 Years		70	75	57	77	21	36	336	377	89.1
11+ Years		236	193	132	166	45	41	813	915	88.9
Total		463	542	499	595	267	295	2661	3057	87.0
Race of Child										
Hispanic										
5 Years					2	2	12	16	29	55.2
6 Years			15	10	13	2	1	41	57	71.9
7 Years		9	24	13	16	13	7	82	96	85.4
8 Years		22	18	24	29	10	12	115	136	84.6
9 Years		21	15	20	14	7	5	82	86	95.3
10 Years		12	20	8	16	6	5	67	81	82.7
11+ Years		37	38	30	38	11	6	160	197	81.2
Total		101	130	105	128	51	48	563	682	82.6
Black										
5 Years					2	11	17	30	49	61.2
6 Years			16	31	27	4	10	88	104	84.6
7 Years		13	38	34	38	12	8	143	160	89.4
8 Years		20	28	32	29	18	16	143	154	92.9
9 Years		32	25	34	20	12	11	134	146	91.8
10 Years		42	30	26	24	7	9	138	149	92.6
11+ Years		153	112	64	52	14	17	412	437	94.3
Total		260	249	221	192	78	88	1088	1199	90.7
White										
5 Years					5	22	27	54	82	65.9
6 Years			19	36	41	11	15	122	149	81.9
7 Years		11	38	30	46	20	19	164	182	90.1
8 Years		12	21	16	35	32	32	148	169	87.6
9 Years		17	17	30	35	25	26	150	166	90.4
10 Years		16	25	23	37	8	22	131	147	89.1
11+ Years		46	43	38	76	20	18	241	281	85.8
Total		102	163	173	275	138	159	1010	1176	85.9

Table 5.17.4 PIAT Reading Comprehension: Standard Scores by Child Age and Race/Ethnicity (1990 Weighted Distribution)

314

		1-69	70-84	85-99	110-114	115-129	130+	Total	Mean	Std. Dev.
Age of Child										
5 Years					46.1	49.0	4.8	100.0	119.1	6.7
6 Years				32.1	52.6	10.4	4.9	100.0	106.0	10.1
7 Years			6.8	29.6	46.6	16.8	0.2	100.0	103.2	11.7
8 Years		0.1	7.8	24.8	37.8	26.0	3.4	100.0	105.8	14.1
9 Years		3.3	7.4	26.0	42.2	19.2	1.9	100.0	103.5	14.7
10 Years		2.1	11.1	31.2	36.5	18.4	0.7	100.0	101.2	14.2
11+ Years		4.9	15.4	33.6	36.4	9.0	0.8	100.0	97.0	14.5
Total		2.2	9.2	28.8	41.0	17.0	1.8	100.0	102.4	14.3
Race of Child										
Hispanic	5 Years				27.4	72.6		100.0	120.1	5.7
	6 Years			45.3	50.9	1.7	2.1	100.0	102.5	7.4
	7 Years		8.2	40.0	34.2	15.1	2.5	100.0	102.7	12.2
	8 Years	1.3	11.7	29.9	42.3	13.3	1.5	100.0	100.9	13.6
	9 Years	9.9	10.5	33.1	33.7	11.6	1.1	100.0	97.4	15.5
	10 Years	2.2	14.9	29.8	33.3	18.5	1.2	100.0	99.6	14.8
	11+ Years	2.4	14.8	37.5	35.5	8.1	1.8	100.0	97.5	13.4
	Total	2.7	11.4	34.4	37.0	12.8	1.6	100.0	99.9	13.9
Black	5 Years				39.0	58.2	2.7	100.0	119.4	6.1
	6 Years			37.4	48.1	9.7	4.7	100.0	105.4	10.0
	7 Years		8.3	40.5	40.8	10.5		100.0	100.5	10.5
	8 Years		10.4	34.9	34.4	20.3		100.0	102.1	13.3
	9 Years	5.8	11.7	36.5	33.3	10.6	2.1	100.0	98.1	15.0
	10 Years	6.4	20.3	32.7	30.2	9.6	0.9	100.0	95.3	14.9
	11+ Years	6.9	23.0	43.5	19.3	6.8	0.5	100.0	91.8	14.2
	Total	4.2	15.5	38.3	29.6	11.3	1.0	100.0	97.1	14.7
White	5 Years				48.4	46.1	5.5	100.0	119.0	6.9
	6 Years			29.9	53.7	11.3	5.2	100.0	106.4	10.2
	7 Years		6.2	25.8	49.3	18.6		100.0	103.9	11.8
	8 Years		6.4	21.2	38.0	29.8	4.6	100.0	107.7	14.0
	9 Years	1.9	5.9	22.4	45.5	22.3	2.0	100.0	105.6	14.0
	10 Years	0.7	7.7	30.9	38.9	21.2	0.6	100.0	103.3	13.3
	11+ Years	4.3	11.7	28.2	44.9	10.3	0.7	100.0	99.5	14.2
	Total	1.5	6.8	25.1	45.1	19.3	2.1	100.0	104.5	13.7

Table 5.17.5 PIAT Reading Comprehension: Standard Scores by Maternal Education and Age of Child (1990 Weighted Distribution)

		1-69	70-84	85-99	100-114	115-129	130+	Total	Mean	Std. Dev.
Maternal Education	Age of Child									
< 12 Years	5 Years				54.1	45.9		100.0	114.9	5.5
	6 Years			45.3	51.0	3.7		100.0	102.9	6.9
	7 Years		13.1	34.6	38.7	13.7		100.0	99.8	11.9
	8 Years		16.4	31.0	36.9	15.1	0.6	100.0	100.3	14.1
	9 Years	6.8	9.1	34.8	31.0	18.3		100.0	99.1	15.8
	10 Years	1.2	17.5	38.4	29.7	12.8	0.4	100.0	97.9	14.6
	11+ Years	8.5	20.6	38.2	28.3	4.3	0.1	100.0	92.5	14.3
	Total	4.8	16.0	36.4	32.5	10.1	0.2	100.0	96.6	14.5
12 Years	5 Years				51.7	45.4	2.8	100.0	118.2	6.6
	6 Years			34.9	54.6	9.3	1.2	100.0	104.8	8.8
	7 Years		4.4	29.4	50.8	15.0	0.4	100.0	103.8	11.3
	8 Years		5.5	28.9	35.6	26.2	3.9	100.0	105.7	13.8
	9 Years	2.5	7.7	24.7	46.8	16.2	2.1	100.0	103.7	13.9
	10 Years	2.5	10.3	28.6	40.8	17.0	0.9	100.0	101.4	13.6
	11+ Years	2.6	13.5	30.8	41.6	10.3	1.1	100.0	99.3	13.9
	Total	1.4	7.5	28.1	44.8	16.7	1.6	100.0	103.4	13.4
13+ Years	5 Years				38.3	53.8	8.0	100.0	120.9	6.5
	6 Years			22.9	50.3	14.7	12.1	100.0	108.9	11.9
	7 Years		4.6	24.3	48.1	23.0		100.0	105.4	11.4
	8 Years	0.6	3.2	9.4	43.6	38.0	5.4	100.0	111.8	12.4
	9 Years		4.0	15.9	47.9	27.8	4.4	100.0	109.6	12.6
	10 Years	2.5	5.0	26.4	36.9	28.4	0.8	100.0	105.1	13.8
	11+ Years	1.1	6.8	29.0	43.3	18.1	1.7	100.0	103.2	12.9
	Total	0.6	3.8	20.3	44.6	26.5	4.2	100.0	108.0	13.0

Table 5.17.6 PIAT Reading Comprehension: Standard Scores by Mother's Age at Birth of Child and Age of Child (1990 Weighted Distribution)

		1-69	70-84	85-99	100-114	115-129	130+	Total	Mean	Std. Dev.
Mother's Age at Birth of Child	Age of Child									
Under 20 Years	6 Years			37.3	42.1	20.6		100.0	106.9	11.1
	7 Years		6.6	30.7	50.7	11.0	0.9	100.0	102.4	11.1
	8 Years		13.4	28.0	43.4	13.7	1.5	100.0	101.8	13.9
	9 Years	3.0	7.8	31.6	41.2	14.7	1.7	100.0	102.0	14.7
	10 Years	3.4	9.8	31.9	36.3	17.0	1.6	100.0	101.1	14.5
	11+ Years	5.0	16.4	37.0	33.6	7.4	0.6	100.0	96.0	14.0
	Total	3.7	13.4	34.5	36.9	10.5	1.0	100.0	98.5	14.3
20-24 Years	5 Years				40.5	53.8	5.6	100.0	119.3	7.0
	6 Years			29.2	53.3	12.1	5.4	100.0	106.9	10.4
	7 Years		7.9	28.8	46.0	17.3		100.0	103.0	11.7
	8 Years	0.2	6.1	24.9	36.3	29.0	3.5	100.0	106.7	13.9
	9 Years	3.4	7.2	23.5	42.7	21.2	2.1	100.0	104.2	14.7
	10 Years	1.1	12.1	30.7	36.6	19.6		100.0	101.3	13.9
	11+ Years	4.5	12.1	22.9	45.2	14.0	1.2	100.0	100.3	15.6
	Total	1.5	7.2	25.2	42.8	21.2	2.2	100.0	104.6	13.9
25-29 Years	5 Years				53.4	42.8	3.8	100.0	118.8	6.3
	6 Years			36.6	53.4	5.0	5.0	100.0	104.0	8.8
	7 Years		3.1	31.3	45.0	20.6		100.0	104.4	11.8
	8 Years		2.4	5.1	29.3	50.2	12.9	100.0	115.2	12.8
	Total		1.2	24.6	48.9	21.6	3.6	100.0	108.2	11.6

Table 5.17.7 PIAT Reading Comprehension: Percentile Scores by Child Age and Race/Ethnicity (1990 Weighted Distribution)

		1-19	20-39	40-59	60-79	80-89	90-99	Total	Mean	Std. Dev.
Age of Child										
5 Years					8.6	39.8	51.6	100.0	87.5	8.5
6 Years			17.2	30.6	32.2	8.4	11.6	100.0	62.3	19.0
7 Years		6.8	24.3	19.3	26.8	12.4	10.5	100.0	56.5	25.2
8 Years		10.3	15.7	14.1	22.7	18.7	18.4	100.0	61.6	28.2
9 Years		14.1	12.6	22.3	21.9	14.8	14.3	100.0	57.9	28.2
10 Years		16.2	19.7	17.0	26.1	6.9	14.1	100.0	53.1	28.4
11+ Years		25.0	20.5	17.1	24.6	6.7	6.1	100.0	45.0	28.1
Total		14.0	18.0	18.3	24.6	12.0	13.1	100.0	55.4	28.0
Race of Child										
Hispanic										
5 Years					13.4	14.1	72.6	100.0	89.3	8.0
6 Years			31.2	26.5	34.2	6.0	2.1	100.0	55.8	16.3
7 Years		8.2	28.2	16.9	19.7	18.1	8.9	100.0	54.9	25.5
8 Years		17.4	15.2	20.1	28.0	10.1	9.2	100.0	52.2	27.6
9 Years		22.5	18.4	25.6	19.6	8.6	5.3	100.0	46.3	28.7
10 Years		18.3	26.2	12.0	23.8	11.5	8.2	100.0	49.5	30.0
11+ Years		20.3	22.4	23.6	22.5	7.7	3.5	100.0	45.2	26.4
Total		16.5	21.6	20.7	23.5	10.0	7.6	100.0	50.2	27.5
Black										
5 Years					5.6	39.5	54.8	100.0	88.3	7.6
6 Years			17.5	35.8	30.0	4.2	12.5	100.0	60.7	18.7
7 Years		8.3	28.0	24.7	24.9	8.0	6.2	100.0	50.7	23.6
8 Years		12.8	21.3	21.1	20.0	12.7	12.0	100.0	54.1	27.7
9 Years		21.9	18.2	27.4	16.1	9.7	6.6	100.0	47.1	28.4
10 Years		30.8	21.6	18.6	17.8	4.4	6.8	100.0	41.4	28.4
11+ Years		36.7	26.7	16.4	11.9	3.5	4.7	100.0	34.3	26.7
Total		23.9	23.2	20.7	17.0	7.0	8.2	100.0	44.6	28.4
White										
5 Years					8.9	41.3	49.8	100.0	87.3	8.6
6 Years			16.1	29.7	32.6	9.6	12.1	100.0	63.1	19.2
7 Years		6.2	23.0	18.1	27.9	13.1	11.8	100.0	58.2	25.3
8 Years		8.5	14.2	11.1	22.7	21.8	21.7	100.0	65.2	27.6
9 Years		11.1	10.5	20.5	23.7	16.8	17.4	100.0	62.1	27.0
10 Years		11.3	18.4	17.2	29.0	7.1	17.1	100.0	57.3	27.1
11+ Years		19.9	17.1	16.4	31.3	8.2	7.2	100.0	50.3	27.6
Total		10.5	15.8	17.3	27.2	13.8	15.4	100.0	59.5	26.9

Table 5.17.8 PIAT Reading Comprehension: Percentile Scores by Maternal Education and Age of Child
(1990 Weighted Distribution)

		1-19	20-39	40-59	60-79	80-89	90-99	Total	Mean	Std. Dev.
Maternal Education	Age of Child									
< 12 Years	5 Years				25.4	50.2	24.3	100.0	82.3	9.3
	6 Years		19.9	36.8	25.0	18.3		100.0	56.8	16.4
	7 Years	13.1	28.8	18.0	20.6	14.0	5.5	100.0	49.2	26.3
	8 Years	18.8	21.1	15.6	20.8	14.7	9.0	100.0	50.8	29.2
	9 Years	23.1	14.7	22.4	20.0	8.0	11.8	100.0	49.6	30.1
	10 Years	23.7	24.6	12.4	26.0	1.9	11.2	100.0	46.0	29.5
	11+ Years	33.4	24.0	16.5	19.9	4.1	2.2	100.0	36.7	26.7
	Total	24.6	22.7	17.7	21.1	8.0	5.9	100.0	44.3	28.3
12 Years	5 Years				12.3	41.2	46.6	100.0	86.3	9.1
	6 Years		18.0	34.0	34.1	4.0	10.0	100.0	60.4	17.8
	7 Years	4.4	24.5	17.3	29.7	12.9	11.1	100.0	58.1	24.6
	8 Years	8.9	18.3	14.2	22.5	18.0	18.0	100.0	61.3	27.8
	9 Years	12.7	14.0	19.1	26.2	16.4	11.6	100.0	58.3	27.1
	10 Years	14.7	17.0	22.2	24.2	10.8	11.0	100.0	53.7	27.4
	11+ Years	21.6	18.4	17.0	27.3	7.0	8.7	100.0	48.8	27.8
	Total	11.5	17.5	18.7	26.5	12.7	13.1	100.0	57.2	26.8
13+ Years	5 Years				1.8	36.5	61.7	100.0	89.8	6.8
	6 Years		15.1	23.2	32.3	11.0	18.3	100.0	67.1	20.6
	7 Years	4.6	20.0	22.8	28.1	10.2	14.4	100.0	61.0	23.6
	8 Years	4.2	5.8	10.3	25.7	24.7	29.4	100.0	73.9	22.5
	9 Years	4.0	6.2	29.7	14.5	21.0	24.7	100.0	69.5	23.2
	10 Years	10.1	17.5	12.8	30.3	5.3	23.9	100.0	61.0	27.3
	11+ Years	12.1	16.5	17.1	31.0	13.0	10.3	100.0	56.9	26.4
	Total	5.7	12.9	17.6	25.7	15.8	22.3	100.0	66.1	24.9

Table 5.17.9 PIAT Reading Comprehension: Percentile Scores by Mother's Age at Birth of Child and Age of Child
(1990 Weighted Distribution)

		1-19	20-39	40-59	60-79	80-89	90-99	Total	Mean	Std. Dev.
Mother's Age at Birth of Child	Age of Child									
Under 20 Years	6 Years		25.9	25.9	14.8	15.4	18.0	100.0	63.8	21.9
	7 Years	6.6	26.2	19.2	28.3	11.5	8.2	100.0	54.7	24.1
	8 Years	14.3	17.1	18.6	26.4	14.9	8.7	100.0	54.4	27.9
	9 Years	16.9	16.0	15.5	26.4	14.7	10.6	100.0	54.7	28.8
	10 Years	16.3	18.2	17.8	28.7	3.7	15.3	100.0	52.9	28.4
	11+ Years	26.2	23.3	16.9	23.3	5.2	5.1	100.0	42.7	27.2
	Total	21.1	21.5	17.3	24.8	7.5	7.8	100.0	47.6	28.0
20-24 Years	5 Years				12.5	32.1	55.4	100.0	87.6	9.2
	6 Years		16.2	25.7	35.6	9.6	12.9	100.0	64.0	19.4
	7 Years	7.9	22.4	19.7	27.4	13.0	9.6	100.0	56.4	25.5
	8 Years	9.4	15.8	13.2	21.2	20.1	20.2	100.0	63.2	27.9
	9 Years	12.8	11.1	25.3	20.0	14.8	16.0	100.0	59.4	27.9
	10 Years	16.0	20.9	16.5	24.0	9.4	13.2	100.0	53.2	28.5
	11+ Years	21.0	11.4	17.7	29.0	11.7	9.2	100.0	52.3	29.6
	Total	10.7	15.5	18.6	24.9	14.5	15.8	100.0	59.6	27.4
25-29 Years	5 Years				3.7	49.6	46.6	100.0	87.4	7.4
	6 Years		17.4	41.1	29.3	4.6	7.6	100.0	58.5	17.1
	7 Years	3.1	28.9	18.1	23.2	11.3	15.5	100.0	58.4	25.2
	8 Years	2.4	5.1	2.0	27.3	16.8	46.4	100.0	78.8	21.6
	Total	1.2	16.6	21.7	21.5	17.6	21.5	100.0	66.2	22.8

Table 5.18.1 PPVT: Total Raw Scores by Child Age and Race/Ethnicity (1990 Sample Cases)

		0	1-19	20-39	40-59	60-79	80-89	90-99	100+	Valid	Total	% Valid
Age of Child												
4 Years		1	75	137	145	29	6	2		395	444	89.0
10-11 Years				1	6	45	67	98	334	551	631	87.3
Total		1	75	138	151	74	73	100	334	946	1075	88.0
Race of Child												
Hispanic	Age of Child											
	4 Years		23	36	24	2	1			86	104	82.7
	10-11 Years			1	2	15	17	24	63	122	145	84.1
	Total		23	37	26	17	18	24	63	208	249	83.5
Black	4 Years		45	57	19	2				123	131	93.9
	10-11 Years				4	27	40	55	106	232	259	89.6
	Total		45	57	23	29	40	55	106	355	390	91.0
White	4 Years	1	7	44	102	25	5	2		186	209	89.0
	10-11 Years					3	10	19	165	197	227	86.8
	Total	1	7	44	102	28	15	21	165	383	436	87.8

Table 5.18.2 PPVT: Standard Scores by Child Age and Race/Ethnicity (1990 Sample Cases)

		0	1-69	70-84	85-99	100-114	115-129	130+	Valid	Total	% Valid
Age of Child											
4 Years		1	96	80	116	77	16	9	395	444	89.0
10-11 Years			81	123	221	120	19	5	569	649	87.7
Total		1	177	203	337	197	35	14	964	1093	88.2
Race of Child	Age of Child										
Hispanic	4 Years		29	20	24	10	2	1	86	104	82.7
	10-11 Years		21	31	47	23	1	1	124	147	84.4
	Total		50	51	71	33	3	2	210	251	83.7
Black	4 Years		56	41	20	6			123	131	93.9
	10-11 Years		54	70	77	30	2	1	234	261	89.7
	Total		110	111	97	36	2	1	357	392	91.1
White	4 Years	1	11	19	72	61	14	8	186	209	89.0
	10-11 Years		6	22	97	67	16	3	211	241	87.6
	Total	1	17	41	169	128	30	11	397	450	88.2

Table 5.18.3 PPVT: Percentile Scores by Child Age and Race/Ethnicity (1990 Sample Cases)

		0	1-69	70-84	85-99	Valid	Total	% Valid
Age of Child								
4 Years		57	291	27	20	395	444	89.0
10-11 Years		36	476	35	22	569	649	87.7
Total		93	767	62	42	964	1093	88.2
Race of Child	Age of Child							
Hispanic	4 Years	16	64	3	3	86	104	82.7
	10-11 Years	10	106	6	2	124	147	84.4
	Total	26	170	9	5	210	251	83.7
Black	4 Years	35	86	2		123	131	93.9
	10-11 Years	24	201	6	3	234	261	89.7
	Total	59	287	8	3	357	392	91.1
White	4 Years	6	141	22	17	186	209	89.0
	10-11 Years	2	169	23	17	211	241	87.6
	Total	8	310	45	34	397	450	88.2

Table 5.18.4 PPVT: Standard Scores by Child Age and Race/Ethnicity (1990 Weighted Distribution)

		0	1-69	70-84	85-99	100-114	115-129	130+	Total	Mean	Std. Dev.
Age of Child											
4 Years		0.0	13.9	15.2	34.0	27.5	5.9	3.5	100.0	91.8	20.1
10-11 Years			7.9	15.9	42.6	26.6	5.7	1.3	100.0	93.1	16.0
Total		0.0	10.5	15.6	38.9	27.0	5.8	2.3	100.0	92.5	17.9
Race of Child	Age of Child										
Hispanic	4 Years		33.4	21.3	27.6	13.4	3.2	1.2	100.0	79.0	22.8
	10-11 Years		16.1	22.1	38.2	20.8	1.0	1.7	100.0	86.3	18.4
	Total		22.4	21.8	34.3	18.1	1.8	1.5	100.0	83.6	20.4
Black	4 Years		44.5	33.0	17.3	5.2			100.0	71.0	17.2
	10-11 Years		22.0	29.9	33.5	13.2	0.9	0.5	100.0	81.9	16.6
	Total		30.0	31.0	27.8	10.4	0.6	0.3	100.0	78.0	17.6
White	4 Years	0.0	5.5	10.9	38.2	33.6	7.4	4.5	100.0	97.5	16.6
	10-11 Years		2.3	10.5	46.1	31.7	7.9	1.5	100.0	97.6	13.2
	Total	0.0	3.8	10.7	42.5	32.5	7.7	2.9	100.0	97.5	14.8

Table 5.18.5 PPVT: Percentile Scores by Child Age and Race/Ethnicity (1990 Weighted Distribution)

		0	1-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	Mean	Std. Dev.
Age of Child														
	4 Years	7.8	15.6	9.9	7.2	15.8	6.7	9.8	9.9	7.1	4.3	5.8	38.3	29.1
	10-11 Years	3.5	14.5	11.7	10.1	17.6	9.0	8.7	10.3	7.1	2.2	5.2	38.3	26.8
	Total	5.3	15.0	11.0	8.9	16.8	8.0	9.2	10.2	7.1	3.1	5.5	38.3	27.8
Race of Child	Age of Child													
Hispanic	4 Years	17.9	26.7	10.5	8.6	10.9	5.3	3.3	9.3	3.2	3.2	1.2	24.5	26.7
	10-11 Years	7.7	22.3	14.5	12.2	12.7	7.0	10.9	6.4	3.4		2.7	28.6	24.8
	Total	11.5	23.9	13.1	10.9	12.0	6.4	8.1	7.5	3.4	1.2	2.2	27.1	25.6
Black	4 Years	28.1	42.2	13.5	5.3	4.2	1.6	3.0		2.2			10.2	16.0
	10-11 Years	9.8	33.5	14.9	11.1	9.7	6.4	8.2	2.5	2.5	0.4	0.9	21.3	21.9
	Total	16.3	36.6	14.4	9.0	7.8	4.7	6.3	1.6	2.4	0.3	0.6	17.4	20.7
White	4 Years	2.5	8.9	9.1	7.5	18.7	7.9	11.9	12.1	8.5	5.4	7.5	45.6	27.3
	10-11 Years	0.9	7.3	10.4	9.5	20.8	10.1	8.6	13.4	9.1	3.1	6.9	45.2	25.6
	Total	1.6	8.0	9.8	8.6	19.8	9.1	10.1	12.8	8.9	4.1	7.2	45.3	26.4

Table 5.18.6 PPVT: Cross-Year and Within-Year Correlations

	<u>PIAT MATH</u>		<u>PIAT READING RECOGNITION</u>		<u>PIAT READING COMPREHENSION</u>		<u>PPVT 1990</u> (10 AND 11 IN 1990)
	1988	1990	1988	1990	1988	1990	
PPVT 1986							
All Children	.44	.41	.40	.44	.42	.44	
3-5 Years	.40	.37	.29	.38	.31	.40	
6-7 Years	.43	.39	.41	.46	.45	.47	.66 ¹
8-9 Years	.48	.51	.50	.45	.51	.51	
10 and Over	.59	.61	.62	.76	.62	.61	
	<u>PIAT MATH</u>		<u>PIAT READING RECOGNITION</u>		<u>PIAT READING COMPREHENSION</u>		
	1990		1990		1990		
PPVT 1990¹	.52		.55		.59		

¹ Children 10 and 11 in 1990.

6

NLSY CHILD DATA FILES & DOCUMENTATION

This section describes the NLSY Child Data files, documentation, and the primary components of the NLS main Youth documentation. The major characteristics of the data files are described and suggestions for their access and management are outlined. Details on hardware requirements and data formats are provided. The section concludes with a list of the various supplemental documentation and publications available to users and other persons interested in exploring the applicability of the data.

NLSY Child data are currently available on both magnetic tape and on CD-ROM. One set of hardcopy documentation has been prepared for data tape purchasers, and another for CD-ROM users. Select documentation items such as codebooks and numerics are also provided on the data tapes themselves. As of the 1990 release, CD-ROM users currently receive the 1986-1990 Child Data as well as the entire 1979-1991 NLS Youth longitudinal record for females on disc. The CD-ROM also contains variable descriptions and codebook information for the entire NLSY record, the child assessment items, and the constructed child variables.

Researchers who are considering the applicability of the NLSY Child Data for their research needs are encouraged to purchase, at a minimum, a set of assessment instruments. Documentation purchases made prior to a data order are subtracted from the cost of the final order. Extra sets of documentation and individual documentation items are available from the NLS User Services office. Ordering information for anyone interested in obtaining the NLSY Child Data or documentation is provided on the last page of text in this section.

Child Data on Tape

The NLSY Child Data on tape are available as two 9-track magnetic tape reels or as two IBM 3480 cartridges. The tapes are written in EBCDIC or ASCII format, either unlabeled or with IBM Standard or

ANSI labels. All NLSY Child tapes are 6250 bpi density and blocked at approximately 32K. The data are organized as follows:

Tape Volume/Reel 1 - 1990 NLSY Child Data File: data and documentation for all constructed child-specific variables from the mother's 1979-1990 longitudinal record, more than 1,700 variables picked up directly from the mother's record and attached to her children, and created scores from the 1986/1988/1990 assessments. The 8,513 records on this file represent all children known to have been born to NLSY women as of the 1990 survey.

Tape Volume/Reel II, Files 2-4 - NLSY Child "Raw Item" Files: data and documentation for the individual unedited questionnaire items from the 1986/1988/1990 *Mother Supplements, Child Supplements, and Child Self-Administered Supplements*. The number of observations on each of these files reflects the number of children assessed in each child interview year. The 1986 Raw Item file contains 4,971 child cases, the 1988 file contains 6,266, and the 1990 file contains 5,803 cases.

Linking Tape Files

The child sequential identification code (E1.) allows the user to link children with their siblings on the Child files or with their mothers on the main NLSY files. Tape users who need data items from the NLSY longitudinal record that do not appear among the items selected for the Child dataset may link this information with existing child files by means of the child or mother identification code (ID). The child ID (E1.) is composed of the first 5 digits of the mother's sequential ID plus a 2-digit code (01-08) generally indicating the child's order of birth. All children with the same first 5 digits in their ID are siblings. Since the child ID contains the first 5 digits of the mother ID, either the child ID or the mother ID (E2.) enables users wishing to create a mother-based file to extract maternal characteristics from the Child Data file and write them out only for mothers. Any NLSY Child file on tape can be linked with other child files by means of the child ID (E1.), located on columns 1-7 of each file.

File Management

Many researchers who acquire the tapes revise them by reformatting, subsetting, or creating new variables. Since CHRR can accept responsibility only for the tapes and documentation that it has supplied, users who intend to modify and/or copy the data should develop a set of procedures to guarantee the integrity of the tapes furnished by CHRR. CHRR suggests that users make a copy of each original tape upon receipt and never make changes to an original tape. The addition of locally created variables will

usually entail expansion of the logical record length. Since tape users may later wish to obtain future versions of the NLSY Child data files, which will contain both new variables and updates to existing variables, user-designed modifications should be planned with flexibility in mind. Any technical problems encountered in using a data tape should be reported to the NLS User Services office as soon as possible.

Child Data on CD-ROM

The NLSY Child CD-ROM contains all of the 1979-1991 NLS Youth data elements (about 35,000 variables), exclusive of the comprehensive NLSY workhistories and the NLSY geocode data, for females as well as the NLSY 1979-1990 Child Data (about 9,000 variables). The Child Data on compact disc have been grouped into record types that reflect the topical and instrument-related organization of the data set itself (see Table 6.1). The descriptions appearing after the record type names in Table 6.1 provide brief explanations of the types of variables present within each child record type. Users should note that the CD-ROM Child record types do not contain the more than 1,700 variables on the magnetic tape version that were drawn directly from the mother's record and converted to child-based variables. Rather, all of the NLSY variables can be easily accessed through software provided on the CD-ROM. CHRR recommends that disc users acquire or have ready access to copies of the data collection instruments and supplemental documentation items, discussed later in this section, that are relevant to the dataset(s) with which they will be working.

Child CD-ROM Software

The Child disc contains search and extraction software that enables users to perform the following five functions:

SEARCH the documentation files for categories of variables clustered by (1) topical record type (e.g., ASSESS90), (2) any word or combination of words found within the titles or variable descriptions (e.g., CHILD, AGE) and for specific variables chosen by (3) reference or questionnaire numbers.⁵

VIEW a screen image of each variable's codebook information, i.e., coding categories and frequencies for the entire universe of NLS female Youth (6,283) or children ever born as of 1990 (8,513) or view the data content for a given respondent or child by identification code (e.g., Female Case #3 or Child Case #301).

⁵ Users are cautioned that, since the titles used to describe the Child variables on the CD-ROM are not consistently linked to the KEY WORD IN CONTEXT function, use of this feature will not yield a comprehensive listing of all desired occurrences of a particular KEYWORD. Users interested in searching by word or topic are strongly encouraged to use the ANY WORD IN CONTEXT function or to scan the hardcopy codebook or numeric, both of which are arranged by topic. Users of the Youth data on CD-ROM will not encounter this limitation and will find that the KEYWORD function reliably generates a complete list of relevant titles.

SELECT up to 1,024 variables for inclusion in an extract specification file used to generate the data and documentation files described below.

EXTRACT data for the full universe of female respondents or children or for a sample restricted by race, sex, number of cases, or user-specified Boolean, and produce data files with SAS or SPSS control cards.

DOCUMENT the file by producing a listing of each extracted variable including its reference number, variable title, record type, number of valid cases, and minimum-maximum-mean values and a codebook file depicting the coding categories, full universe frequencies, verbatim and questionnaire number (where available), reference number and variable title.

Child CD-ROM Hardware

Minimum hardware requirements, at the time of the 1990 Child release, for the NLSY Child CD-ROM are outlined below:

- (1) an IBM compatible PC, running MS-DOS, with 640K memory,
- (2) a CD-ROM drive connected to the PC,
- (3) Microsoft CD-ROM extensions (V2.0 or above) installed on the PC, and
- (4) a writable disk connected to the PC. A hard disk is not required, but a 20 megabyte or larger hard disk is recommended.

Execution times will vary based on hardware configurations. Users should note that the number of variables being extracted has a negligible effect on processing times but that the access time of the CD reader is a critical factor. The relative "power" of the PC is not a critical factor in extracting times. However, subsequent analysis runs against the resultant file with such statistical packages as SAS or SPSSX are greatly affected by PC power.

Coding Conventions

In order to facilitate data processing, certain coding conventions have been generally followed. Where coding information is particularly complex and detailed, codebook entries refer the user to attachments and appendices that are compiled in the NLSY Main File Codebook Supplement, available from CHRR and discussed later in this Section.

The following list briefly describes the various conventions used in coding the NLS Youth and NLSY Child data. Special coding conventions, particularly those associated with missing values, are noted in the topical discussions in Section 4 of this handbook.

- (1) Nonresponse. With the exception of the NLSY Child Raw Supplement data and a few child data variables (specially noted in this Handbook and documented in the Child Codebook), nonresponse categories are routinely coded in the following fashion:
- | | |
|----|--------------|
| -5 | Noninterview |
| -4 | Valid skip |
| -3 | Invalid skip |
| -2 | Don't know |
| -1 | Refusal |
- (2) Unspecified Missing. Users of the Child Raw Supplement Item data files on tape will find only one nonresponse code of "-6" used to designate any case with missing data, regardless of reason. There are no "noninterviews" on these raw item tape files, since the universe of children has been restricted to only those children interviewed in a particular year. CD-ROM users, accessing these same items in the CHDSUP or MOMSUP record types, will find the "-6 Missing" category as well as a code of "-5" for noninterviews for each assessment year.
- (3) Imputation. In general, CHRR does not impute missing values or perform extensive consistency checks across the various years. Exceptions to this rule do occur when supporting evidence is available, as in the consistency edits performed on child characteristics. Data quality checks most often occur in the process of constructing: (1) key variables from the NLS main Youth file, (2) child date of birth, gender, and age, and (4) constructed child assessment scores.
- (4) Yes/No. Dichotomous variables indicating a "yes/no" response are coded "Yes"=1; "No"=0. Other dichotomous variables have frequently been reformulated to permit this convention to be followed.
- (5) Truncation. To insure respondent confidentiality, income variables with amounts that exceed particular limits are truncated so that values exceeding the upper limits are converted to a set of maximum value. For specific information on the yearly income levels, please consult the section on Accessing NLS Variables by Codebook in the current *NLS Users Guide*.

NLSY Child Documentation

Child Data Collection Instruments

Special interview, assessment, and self-report schedules are used during each child survey year to gather information on each child. The 1986 set includes a *Mother Supplement* and a *Child Supplement*. Starting in 1988 a *Child Self-Administered Supplement* for children ten years of age and older was added

to the data collection effort. Since there are variations in format and content across years, users are urged to obtain a complete set of Child instruments for each year (see Table 2.1 at the end of Section 2).

NLSY Child Assessment Data Users Guide

The *Child Assessment Data Users Guide* contains information on the contents of the current data release, characteristics of the child and mother samples, sampling constraint issues of which users should be aware, and a discussion of each child assessment administered during the current round of child interviews. Users of both the tape and CD-ROM versions of the Child Data are encouraged to review this document prior to accessing the data. Since this Guide is issued concurrently with the release of each round of Child Data, it represents the most timely set of instructions available for use with the data prior to the issue of an updated Child Handbook.

NLSY Child Codebooks

The *NLSY Child Codebook* documents the full range of Child variables, arranged in a loosely topical and instrument-related order following the schema in Table 6.2. Key linkage information, case identification information, and interview year-specific variables appear first. Topical modules drawn from the longitudinal record of the mothers are followed by direct "pick-up" variables and constructed scores from the 1986/1988/1990 child assessment instruments. The introductory pages of the 1990 Child Codebook present a detailed list of the variables grouped by reference number (see Table 1 at the beginning of the Codebook, "Sequential Order of the NLSY Child File by Subject Matter, 1990"). Separate versions of the codebook have been tailored for each type of Child data medium. These codebooks, one set for the Child Data and the Child Raw Item Data on tape, and another appropriate for the CD-ROM, are discussed below. After reading the discussion below, users may also wish to consult the section of the current *NLS Users Guide* titled "Accessing NLS Variables by Codebook" for additional details on NLS documentation.

Codebook Entries.

Each entry in the Child Codebook contains information about the nature of the variable (variable title), its unique identifying reference number ("E" # in 1990), its source (mother's record or child assessment), and the distribution of its values across all relevant cases. This documenting information is arranged in what is called a "codeblock," illustrated in Figures 6.1 and 6.2.

The questionnaire location for NLSY child entries drawn from the mother and child supplements is found in parentheses on the left-hand side of the codeblock after the reference number and preceding the descriptive variable title. The question number for child variables that are drawn directly from the

mother's main Youth files can be found in the hardcopy codebook immediately under the source number. For compact disc users, no question number category appears for child variables.

Questions from the specific assessment instruments are identified by "MS" for Mother Supplement or "CS" for Child Supplement or Child Self-Administered Supplement. The numbers that follow this prefix refer to the year of the survey, then to the deck number printed at the top of each page in the survey instrument, and finally to the column number(s) printed alongside each question in the assessment instrument.

Variables taken directly from the NLSY main file are identified in the hardcopy codebook by an "R" number in the source location (in parentheses to the right of the "E" number). These Youth cross reference numbers indicate the variable's reference number on the NLSY main file. On the compact disc, variables taken directly from the NLSY main file, while included in the CD-ROM Child Codebook and Numeric Index, must be accessed through the mother's variables in the Youth Record Types.

Variables that are constructed for the child data set contain an asterisk (*) in the source number location, next to the "E" reference number. Since these variables are created from two or more inputs, no particular question number is applicable.

Categorical Codes.

Many variables that are coded as discrete categories have their full range of values printed in the codeblock as in the following example:

```
E 470.40      (R340747.) MARITAL STATUS OF MOTHER *KEYVAR* 90 INT
              0 NEVER MARRIED
              1 MARRIED
              2 SEPARATED
              3 DIVORCED
              4 REUNITED
              6 WIDOWED
```

Continuous Codes.

Continuous values are often grouped into more manageable and hopefully useful frequency distributions as in the example below. In cases where grouped categories would not be useful, only the range of values is provided.

```
E 70.10 (*) AGE OF CHILD (IN MOS) AT CHILD ASSESSMENT DATE, 90 INT
              0-11 MONTHS
              12-23 MONTHS
              24-35 MONTHS
```

36-47	MONTHS
48-59	MONTHS
60-71	MONTHS
72-83	MONTHS
84-95	MONTHS
96-107	MONTHS
108-119	MONTHS
120 +	MONTHS

NLSY Child Numeric Indices

Each *NLSY Child Numeric Index* provides a sequential listing of all the variables included on the tape version of each Child data file. The numeric includes the following information: the child or "E" reference number, the variable description, the NLSY main file reference ("R") number where relevant, and the variable location (columns and format for tape, Record Type for CD-ROM). As with the Child Codebooks, each type of data file is accompanied by the appropriate numeric index.

NLSY Child Documentation for Magnetic Tape Users

One set of documentation accompanies the two-volume 1990 data tape release. A codebook and one or more numeric indices document each of the following four files:

1990 NLSY Child Data File - constructed child-based variables from the mother's 1979-1990 longitudinal record, select mother-based items and created scores from the 1986/1988/1990 assessments. Documentation for this file consists of:

- (1) The *1990 Child Index* which provides a numerically arranged listing of those variables appearing on the 1990 Child Data File. The numeric includes the following information: the child or "E" reference number, the variable description, the NLSY main file reference number where relevant, and the variable location on the tape.
- (2) The *1990 Child Codebook* which provides the following types of detailed information for each variable: the child reference number, the variable's title, coding categories, frequency distribution, variable location, as well as a reference to the source of the variable (whether a created variable or a direct pickup from one of the mother/child supplements or the main NLSY questionnaire). References to various NLSY main file attachments and appendices providing supplementary coding and variable creation procedures are also included.

Researchers who make extensive use of data derived from the mother's record should consider ordering the NLSY main file documentation that more fully explains these variables.

NLSY Child Raw Item Files - individual unedited questionnaire items from the 1986/1988/1990 *Mother Supplements*, *Child Supplements*, and *Child Self-Administered Supplements*. Documentation for these files consists of the following items:

- (1) Assessment year (1986, 1988, and 1990) *Child Indices* each providing a numerically arranged listing of the variables present on that file. Each index includes the following information: the child or "E" reference number, the variable description (title), and the variable location on the tape;
- (2) The *1986/1988/1990 Child Raw Supplement Codebook* that presents detailed documentation for each variable present on these three files. Codeblocks contain the following: the child reference number, the variable's title, coding information, frequency distribution, variable location, as well as a reference to the source of the variable.

NLSY Child Documentation for CD-ROM Users

The *NLSY Child Compact Disc Users Guide* provides installation, usage and maintenance instructions for the NLSY Child CD-ROM. The *Child CD-ROM Index* and *Codebook*, described below, are available for CD-ROM users who wish to obtain a paper copy of the documentation. The more than 1,700 direct pick-ups from the mother's record, documented in the paper version of the *Child CD-ROM Index* and *CD-ROM Codebook* as child-based variables, appear on the CD-ROM itself only as female-based variables. Please note that hardcopy versions of the *Child CD-ROM Index* and *CD-ROM Codebook* are not included in the purchase price of the CD-ROM.

- (1) The *1990 Child CD-ROM Index* provides a numerically arranged listing of all variables selected for the tape version of the Child data, only a subset of which are stored as child-based variables in the Child Record Types on the CD-ROM. The numeric includes the following information: the child or "E" reference number, the corresponding variable title, the NLSY main file reference number ("R" #) where relevant, and the Child Record Type in which the constructed child-based variables can be found;
- (2) The *1990 Child Codebook* provides the following types of detailed information for each variable: the child reference number, the variable's title, coding categories, frequency distribution, the Child Record Type where relevant, as well as a reference to the source of the variable (whether a created variable or a direct pickup from one of the mother/child supplements or the main NLSY questionnaire or a created variable). References to various NLSY main file attachments and appendices that provide coding and variable creation procedures are also included. This document includes variables that do not appear as child-based variables on the CD-ROM.

As already mentioned, researchers who make extensive use of data derived from the mother's record should consider ordering relevant portions of the NLS Youth main file documentation that more fully explain these variables.

Supplemental NLS Youth Documentation

Hardcopy supplemental documentation specific to the NLS Youth data set is available as special purchase items from CHRR. These supplementary materials include attachments containing coding information and variable creation procedures as well as glossaries of terms and various technical and background reports. Ordering information is provided at the end of this section, before the tables.

NLSY Technical Sampling Report. This technical manual, published by NORC in 1983, describes the procedures utilized to select the civilian and military Youth samples, as well as the weights and standard errors for the initial survey years.

NLSY Technical Sampling Report Addendum. This supplement to the Technical Sampling Report presents in tabular form the standard errors and deft factors for the 1982-1990 survey years. Included is a description of the two survey administration methods (Computer Assisted Personal Interview or CAPI versus paper or PAPI) used during the 1990 fielding of the NLSY.

NLSY Survey Instruments. A set typically includes a copy of each NLSY survey year questionnaire, special data collection supplements (e.g., Drug Use), an interviewer's reference manual (QxQ's) for the most recent survey year, household interview forms, yearly income tables, employer supplements (source of Work History information), and job calendars.

NLSY Main File Codebook Supplement. This compilation contains special topical and technical reports, variable creation procedures, and coding information not present either in the hardcopy or electronic versions of the codebook. The following attachments, appendices, and reports are included:

Attachment 3: Industry and Occupation Codes - (1) 3-digit 1970 Census classifications used to code job and training information as well as occupational aspiration information and Employer Supplements; (2) 3-digit 1980 Census codes used in addition to the 1970 codes beginning with the 1982 survey, to classify the industry and occupation of respondent's CPS job; (3) 1977 military occupational codes used to classify 1980-1985 questions on military jobs and occupations.

Attachment 4: Fields of Study in College - coding classifications for the major fields of college study and subspecialties.

Attachment 5: Index of Labor Unions and Employee Associations - codes for the 1979 questions on name of union/employee association for jobs 1-5.

Attachment 6: Other Kinds of Training - categories of occupational training used to code the 1979 question on types of other training programs in which a respondent was enrolled.

Attachment 7: Other Certificate Codes - codes for types of certifications (i.e., practical nurse, welding, insurance, chef, etc.) received by a respondent as of the 1979 interview.

Attachment 8: Health Codes - modified version of the International Classification of Diseases (ICD-9) codes used to classify health problems reported by Youth respondents in 1979-1982 and 1988-1990.

Attachment 100: Geographic Regions - listing of states that comprise each of the four U.S. regions; used in coding region of residence.

Attachment 101: Country Codes - foreign country codes used to code respondent's country of residence, country of parents' birthplace, and country of citizenship at time of immigration.

Attachment 102: State FIPS (Federal Information Processing Standards) Codes - used to code respondent's state of birth and state of residence.

Attachment 103: Religion Codes - denomination categories used to code the 1979 religion of respondent.

Attachment 106: *Profiles of American Youth* - general and technical information on the 1980 administration of the ASVAB (Armed Services Vocational Aptitude Battery) to NLSY respondents. Included are technical notes on the ASVAB scale scores, an annotated bibliography, an example of the test score report, and brochures disseminated to participants. An *Addendum* provides information on the creation of the two AFQT (Armed Forces Qualification Test) scores, added to the NLSY data set with the release of the 1990 data.

Appendices 1-9: variable creation code used to create the following key NLS Youth variables (1) Employment Status Recode (ESR), (2) Total Net Family Income (TNFI), (3) Unemployment Rate, (4) SMSA, (5) Urban-Rural, (6) Highest Grade Completed. Also included is background information on Job Satisfaction Measures, the Job Characteristic Index, the Supplemental Fertility File, and the procedures for linking jobs through survey years.

High School & Transcript Surveys: Overview & Documentation - information on the sample design, field work, and types of variables collected during the three rounds of this special NLS Youth data collection effort. Included are a codebook, course coding instructions, course codes, and copies of the coding forms and school questionnaire, as well as addition references to other reports prepared by the sponsoring agency.

NLSY Geocode Data File Codebook Supplement. This document contains coding information and variable derivations for variables on the NLSY geocode data files. In addition to Attachments 100, 101, and 102 and Appendix 7 described above, this supplement also includes the following:

Appendix 10: Geocode Documentation - year by year descriptions of how the geocode files were constructed, important information on changes in SMSA designations and detailed explanations of the missing values for the geocode variables.

Attachment 104: SMSA Codes - coding information used to classify residence at each interview date.

Attachment 105: Addendum to FICE Codes - supplementary identification numbers for those colleges and universities not listed in the Education Directory Colleges and University (1981-82, 1982-1983 supplement).

NLS Publications & Services

NLS User Services distributes a variety of materials designed to keep the research community up-to-date on both the current status of the surveys and on-going NLS research. The following provides brief descriptions of the publications, technical manuals, and bibliographies that are available to the public user. Those wishing to order any of the following items should request a *Publication Request Form* from NLS User Services, address listed at the end of this section.

NLS Handbook

The Center annually prepares an *NLS Handbook* that provides an overview of each of the NLS cohorts. It contains information on sample characteristics, the numbers and time of interview, retention rates, and a summary of the major data elements available within each data set. The Handbook presents a bibliographic listing of recent research that uses data from the NLS Youth, the NLSY Children, and the four Original NLS Cohorts. It describes the various NLS CD-ROMs, magnetic tapes, and documentation items available to the public. Finally, the Handbook discusses additional publications, technical manual, and reports related to the NLS and provides ordering information for the datasets and their documentation. The document, routinely included with any NLS data order, is available at no charge to anyone interested in the data.

NLSUPDATE Newsletter

A quarterly newsletter is prepared and distributed at no cost to all purchasers of NLS data as well as other interested persons. The newsletter contains: updates on the status and availability of the various

NLS data tapes and CD-ROMs; notices to users of errors in data files or documentation; summaries of in-progress and completed NLS research; and other information of general interest to the NLS research community. Persons interested in subscribing to the newsletter should contact NLS User Services, address provided at the end of this Section.

NLS Users Guide

This detailed and comprehensive manual, published yearly, is designed as a how-to guide for those researchers working with one or more of the NLS data sets. The guide consists of three core sections: (1) A detailed discussion is provided of the sampling design, sampling methodology, and field procedures utilized during the surveys of each NLS cohort. Weighting, sample representativeness, and attrition are discussed and a series of tables depict the number of respondents who continued to be interviewed at each interview point as well as the number and reasons for noninterview of those who have attrited. (2) A topical guide to the NLS presents, for each cohort, a description of the primary variables available on select topics. NLS subject areas covered in the 1993 edition include:

Age	Household composition
Alcohol use	Job characteristics
Aptitude/achievement scores	Job satisfaction
Child care	Labor market status
Class of worker	Marital status and transitions
Crime/delinquency	Occupations & occupational prestige
Discrimination	Poverty status
Drug use	Public Assistance
Educational status and attainment	Race/ethnicity
Geographic residence	School discipline
Government jobs and training	Sex
High school and college surveys	Work histories

Each topic includes cautionary notes to users identifying problems and idiosyncrasies associated with certain variables, crosswalks to existing documentation and survey instruments and, for selected topics, descriptive tables of data. (3) A third section provides information on how to access NLS variables via the Center's extensive hardcopy and electronic documentation system with cautionary notes to users about selecting appropriate variables, and methods of extracting data from the NLS magnetic tapes and compact discs.

The *NLS Users Guide* is distributed at no charge to all persons acquiring any NLS data set, including the NLSY Child Data, and is available at no cost to other interested persons residing within the continental United States.

Report on Maternal-Child Health Data from the NLSY

This report uses data from the 1983-1988 rounds of the NLS main Youth surveys to describe prenatal, infant and child health information for NLSY mother and their children. The women in this sample represent a national cross-section of mothers age 23 to 30 years as of January 1, 1988. Several tables are included that present results by race/ethnicity, poverty status, and age of mother. The report also provides baseline information about the health status of the NLSY children and reports both weighted and unweighted statistics. *Maternal-Child Health Data from the NLSY: 1988 Tabulations and Summary Discussion* is available from CHRR at no charge.

NLSY Bibliographies on Fertility and Children

CHRR has developed a bibliographic database that contains reference to research on the fertility and child care related behavior of NLS Youth respondents as well as to research on the NLSY children. Updated periodically, the database contains entries that are retrievable by author, title, topic, and type of publication. The current comprehensive listing, titled *Research Using NLSY Data on Fertility, Child Care and Child Development*, includes more than 300 items of which more than half are published articles, theses, and reports. To date, the database has also been used to generate the following topical bibliographies:

Research Using NLSY Data on Adolescent Fertility & Sexual Activity

Research Using NLSY Child Care Data

Research Using NLSY Child Assessment Data

Research Using NLSY Data on Child Health

Research Using NLSY Data on Maternal Employment, Fertility & Children

Users should note that, unlike the NLS bibliographies discussed below, these citation listings are not annotated.

NLS Annotated Bibliographies

The Center actively maintains an up-to-date archive of NLS research and regularly publishes an annotated bibliography of this work. A two-volume printed set is currently available. The *NLS Annotated Bibliography 1968-1989* contains approximately 1,600 summaries of NLS-based journal articles, working papers, and dissertations that have been published over the 20 year period. An update to this initial publication, the *NLS Annotated Bibliography: 1990-1993*, contains an additional 300 entries of newly-found research. This two volume set is distributed at no charge to customers within the United States. Users interested in the NLSY Child data should note that, while the NLS bibliographies contain annotated references to works based on the Child data (inclusive of the items in the Child bibliographic database as

of the time of publication), the coding categories used to classify these items in the NLS bibliographies are broader than those used in the Child bibliographies mentioned above.

NLS Research Summaries

A bibliography database has been developed by the Center which allows retrieval of NLS research by specific authors, cohorts, or keywords. Designed to assist the NLS researcher in reviewing work conducted to date on selected topics and/or given cohorts, research summaries are provided at no cost to NLS public users. Persons interested in this service should contact NLS User Services at the address listed at the end of this Section.

NLS Research Report Publication List

The Center continues to distribute NLS research reports prepared over the past 25 years by the Center's research staff. These reports include: (1) the large major cohort research volumes based on single survey year data collections of the Older NLS cohorts and the NLSY cohort; and (2) other special reports prepared by Center investigators. Persons interested in obtaining the *NLS Research Report Publication List* should contact NLS User Services, address listed below.

Ordering Information

Current and potential users interested in ordering the NLSY Child data and accompanying documentation should contact the NLS User Services office for a Data/Documentation Request Form and current price information. Anyone interested in the publications discussed in this section or in the *NLS Handbook* that are listed as available from CHRR should request a Publication Request Form.

NLS User Services
Center for Human Resource Research
921 Chatham Lane - Suite 200
The Ohio State University
Columbus, OH 43221-2418 USA

PHONE: (614) 442-7366
FAX: 614-442-7329
BITNET: USERSVC@OHSTHR.BITNET
internet: usersvc@pewter.chrr.ohio-state.edu

Note: Customers requesting materials to be sent outside of the continental United States should specify on the order form the type of mail service requested and remit a handling fee to cover shipping costs. This charge applies to requests for materials available at no cost as well as to purchases.

Table 6.1 NLSY 1979-1990 Child Data: CD-ROM Child Record Types

ASSESS86	13 sets of raw & normed 1986 child assessment scores PPVT age Child sampling weight 1986	EMPINC	Amount of public assistance Maternal CPS history
ASSESS88	13 sets of raw & normed 1988 child assessment scores PPVT age Child sampling weight 1988	FAMBKGN	Maternal age at date of interview Maternal intelligence Maternal educational attainment at date of interview Maternal enrollment status at date of interview
ASSESS90	11 sets of raw & normed 1990 child assessment scores PPVT age Child sampling weight 1990	MHHCOMP	Household composition 1979-current date of interview Age, education, and work status of HH members
CHDBKGN	Child-mother & child-sibling linkage variables Child demographic characteristics Child's usual residence Father presence	MOMSUP86	1986 <i>Mother Supplement</i> questionnaire items
CHDCARE	Current childcare 1984, 1985, 1986, 1988 Retrospective childcare in first 3 years of life	MOMSUP88	1988 <i>Mother Supplement</i> questionnaire items Mother report of school and family background, 1988
CHDSUP86	1986 <i>Child Supplement</i> questionnaire items Child health, 1986 Child enrollment and grade level, 1986 Interviewer evaluation of testing conditions, 1986	MOMSUP90	1990 <i>Mother Supplement</i> questionnaire items Mother report of school and family background, 1990
CHDSUP88	1988 <i>Child Supplement</i> questionnaire items Child health, 1988 Child enrollment and grade level, 1988 Headstart experience, 1988 Interviewer evaluation of testing conditions, 1988 1988 <i>Child Self-Administered Supplement</i> questionnaire items	MOMWELL	Height of mother, 1981 Onset of maternal menses & sexual activity
CHDSUP90	1990 <i>Child Supplement</i> questionnaire items Child health, 1990 Child enrollment and grade level, 1990 Headstart experience, 1990 Interviewer evaluation of testing conditions, 1990 1990 <i>Child Self-Administered Supplement</i> questionnaire items	NATAL	Prenatal care of child Postnatal care of child Infant health in first year of life
		WORKHIST	Mother's quarterly employment history linked to child date of birth

Table 6.2 Content of NLSY Child Dataset by Reference Number

E 1. - E9999.	ALL RAW, CREATED AND RECONSTRUCTED VARIABLES
E 1. - E 37.40	Key mother/child identification variables and maternal interview dates
E 38. - E 459.	Child age and basic child/mother demographic information
E 460. - E2693.	Maternal marital record, maternal education history, household composition, maternal health, maternal delinquency/substance use, maternal/family income, and family employment history
E2700. - E3110.	Maternal Work History
E3200. - E3392.	Pre/postnatal Care and Infant Health Information
E3500. - E3748.	Child Care
E4021. - E5677.	1986 <i>Child Supplement & Mother Supplement</i> unedited items
E5700. - E5812.	1986 <i>Child Supplement & Mother Supplement</i> created raw and normed scores; 1986 child sampling weight
E5910. - E7864.	1988 <i>Child Supplement & Mother Supplement</i> unedited items including the 1988 <i>Child Self-Administered Supplement</i>
E7900. - E8007.	1988 <i>Child Supplement & Mother Supplement</i> created raw and normed scores; 1988 child sampling weight
E8100. - E9895.	1990 <i>Child Supplement & Mother Supplement</i> unedited items including the 1990 <i>Child Self-Administered Supplement</i>
E9900. - E9999.	1990 <i>Child Supplement & Mother Supplement</i> created raw and normed scores; 1990 child sampling weight

Figure 6.1 NLSY Child Codebook

Reference Number	E1337 (R21409) DOES HEALTH LIMIT AMOUNT OF WORK MOTHER CAN DO? 86 INT	COLA/FMT	Variable Location
Source Number	Q6526	2539-2540(2)	
Question Number	278 7123	1 YES 0 NO	
	REFUSALS (-1) VALID SKIPS (-4)	0 317	DON'T KNOW (-2) NONINTERVIEWS (-5) 2 788
	INVALID SKIPS (3)	5	
	MINIMUM: 0	MAXIMUM 1	

Figure 6.2 NLSY Child CD-ROM Codebook

Reference Number	E 5932 (CS88114) CHILD HEALTH: CHILD HAS CONDITION THAT LIMITS ACTIVITIES	
Source Number		
Record Type	Record Type: CHDSUP88	Survey Year: 88
	226 6905	1 YES 0 NO
	REFUSALS (-1) NONINTERVIEWS (-5)	0 2247
	DON'T KNOW (-2) MISSING (-4)	0 35
	MINIMUM: 0	MAXIMUM 1

Appendix A

THE HOME INSTRUMENT RECODES FROM THE MOTHER SUPPLEMENT

SECTION 1: THE HOME

PART A: FOR CHILDREN WHO ARE LESS THAN 3 YEARS OLD

For _____ who has not yet had (his/her) 3rd birthday.
CHILD'S NAME

INSTRUCTIONS TO MOTHER/GUARDIAN:

We are interested in your family's lifestyle and rules.

Some questions you answer with a YES or NO or other word or phrase. Please circle the number that goes with the answer you choose.

Other questions have boxes for you to write in an answer.

If any question is not clear, please circle the question number and ask the interviewer about it when you have finished the booklet.

1. About how often does your child have a chance to get out of the house (either by himself/herself, or with an older person)?

(CIRCLE ONE)

Not at all.....	01	} = 0
About once a month or less.....	02	
A few times a month.....	03	
About once a week.....	04	
A few times a week.....	05	} = 1
4 or more times a week.....	06	
Every day.....	07	

43-44/

2. About how many children's books does your child have of his/her own?

(CIRCLE ONE)

None.....	1	} = 0
1 or 2 books.....	2	
3 to 9 books.....	3	} = 1
10 or more books.....	4	

45-46/

PLEASE TURN TO NEXT PAGE

3. How often do you get a chance to read stories to your child?

(CIRCLE ONE)

Never.....	01	} = 0
Several times a year.....	02	
Several times a month.....	03	
Once a week.....	04	
About 3 times a week.....	05	} = 1
Every day.....	06	

47-48/

4. About how often do you take your child to the grocery store?

(CIRCLE ONE)

Twice a week or more.....1 = 1
Once a week.....2
Once a month.....3 = 0
Hardly ever.....4

49-50/

5. About how many, if any, cuddly, soft or role-playing toys (like a doll) does your child have? (May be shared with sister or brother.)

(WRITE IN NUMBER OF TOYS.)

NUMBER OF TOYS =

--	--

 $0 = 0$
 $>1 = 1$

51-52/

6. About how many, if any, push or pull toys does your child have?
(May be shared with sister or brother.)

(WRITE IN NUMBER OF TOYS.)

NUMBER OF TOYS = $\begin{vmatrix} & & \\ & & \\ \hline & & \end{vmatrix}$ $0 = 0$
 $\geq 1 = 1$

53-54/

PLEASE GO TO NEXT PAGE

7. Some parents spend time teaching their children new skills while other parents believe children learn best on their own. Which of the following best describes your attitude?

(CIRCLE ONE)

- | | |
|---|-------|
| "Parents should <u>always</u> spend
<u>time</u> teaching their children".....1 | } = 1 |
| "Parents should <u>usually</u> spend
<u>time</u> teaching their children".....2 | |
| "Parents should <u>usually</u> allow their
children to learn on their own".....3 | } = 0 |
| "Parents should <u>always</u> allow their
children to learn on their own".....4 | |

55-56/

8. Think for a moment about a typical weekday for your family. How much time would you say your child spends watching television on a typical weekday?

(WRITE IN HOURS PER WEEKDAY.)

--	--

57-58/

Less than 1 hour per weekday.....00

Do not have a TV.....95

9. Now, think about a typical weekend day for your family. How much time would you say your child spends watching television on a typical weekend day?

(WRITE IN HOURS PER WEEKEND DAY.)

--	--

59-60/

Less than 1 hour per weekend day.....00

Do not have a TV.....95

10. About how many hours is the TV on in your home each day?

(WRITE IN HOURS PER DAY.)

--	--

61-62/

Less than 1 hour per day.....00

Do not have a TV.....95

PLEASE TURN TO NEXT PAGE

DECKS 02-03

11. Does your child ever see his or her father, step father, or father-figure?

Yes.....1

No.....0

63-64/

12. Is this person his/her biological father, step father, or a father-figure?

(CIRCLE ONE)

Biological father.....1

Step father.....2

Father-figure.....3

BEGIN DECK 03

No father, step father, or father-figure....4

11-12/

13. What is his relationship to you?

(CIRCLE ONE)

Your spouse.....01

Your ex-spouse.....02

Your partner.....03

Your friend.....04

Your father.....05

Your grandfather.....06

Your brother.....07

Your uncle.....08

Other (please write who)

09

No father, step father, or father-figure...10

13-14/

14. Does your child see this person on a daily basis?

Yes.....1

No.....0

No father, step father, or father-figure....2

} = 0

15-16/

PLEASE GO TO NEXT PAGE

15. How often does your child eat a meal with both mother and father (or step father or father-figure)?

(CIRCLE ONE)

More than once a day.....01	} = 1
Once a day.....02	
Several times a week.....03	
Once a week.....04	} = 0
Once a month or less often.....05	
Never.....06	
No father, step father, or father-figure.....07	

17-18/

16. Children seem to demand attention when their parents are busy, doing housework, for example. How often do you talk to your child while you are working?

(CIRCLE ONE)

<u>Always</u> talk to child when I'm working.....1	} = 1
<u>Often</u> talk to child when I'm working.....2	
<u>Sometimes</u> talk to child when I'm working.....3	
<u>Rarely</u> talk to child when I'm working.....4	} = 0
<u>Never</u> talk to child when I'm working.....5	

19-20/

17. Sometimes kids mind pretty well and sometimes they don't. About how many times, if any, have you had to spank your child in the past week?

NUMBER OF TIMES: 1 1 1 $\geq 2 = 0$

21-22/

Did not spank child last week.....00 0 or 1 = 1

MOTHER/GUARDIAN:

- (1) IF YOUR CHILD IS LESS THAN 1 YEAR OLD, GO TO SECTION 2, PART A, PAGE 33.
- (2) IF YOUR CHILD HAS HAD A 1st BIRTHDAY BUT HAS NOT HAD HIS/HER 2nd BIRTHDAY, GO TO SECTION 2, PART B, PAGE 39.
- (3) IF YOUR CHILD HAS HAD A 2nd BIRTHDAY, GO TO SECTION 2, PART C, PAGE 43.

SECTION 1: THE HOME

PART B: FOR CHILDREN WHO ARE AT LEAST 3 YEARS, BUT LESS THAN 6 YEARS OLD

For _____ who has had his/her 3rd birthday but has
CHILD'S NAME not had his/her 6th birthday.

INSTRUCTIONS TO MOTHER/GUARDIAN:

We are interested in your family's lifestyle and rules.

Some questions you answer with a YES or NO or other word or phrase. Please circle the number that goes with the answer you choose.

Other questions have boxes for you to write in an answer.

If any question is not clear, please circle the question number and ask the interviewer about it when you have finished the booklet.

1. About how often do you read stories to your child?

(CIRCLE ONE)

Never.....01	}	= 0
Several times a year.....02		
Several times a month.....03		
Once a week.....04		
At least 3 times a week.....05	}	= 1
Every day.....06		

23-24/

2. About how many children's books does your child have of his/her own?

(CIRCLE ONE)

None.....1	}	= 0
1 or 2 books.....2		
3 to 9 books.....3		
10 or more books.....4		= 1

25-26/

DECK 03

3. About how many magazines does your family get regularly?

(CIRCLE ONE)

None.....1 = 0
 One.....2
 Two.....3
 Three.....4 } = 1
 Four or more.....5

27-28/

4. Does your child have the use of a record player, or tape deck, or CD player, or tape recorder here at home and at least 5 children's records or tapes? (May be shared with sister or brother.)

Yes.....1 = 1

No.....0 = 0

29-30/

5. Circle the things which you (or another adult or older child) are helping or have helped your child to learn here at home.

(CIRCLE ALL THAT APPLY)

a. Numbers.....1 = 1 Else 0 31-32/
 b. The alphabet.....2 = 1 Else 0 33-34/
 c. Colors.....3 = 1 Else 0 35-36/
 d. Shapes and sizes.....4 = 1 Else 0 37-38/
 e. None of the above5 Make 5a - 5d = 0 39-40/

6. How much choice is your child allowed in deciding what foods he/she eats at breakfast and lunch?

(CIRCLE ONE)

A great deal of choice.....1
Some choice.....2 } = 1
Little choice.....3
No choice.....4 } = 0

41-42/

7. About how many hours is the TV on in your home each day?

(WRITE IN HOURS PER DAY).

HOURS PER DAY: | | 0 - 4 = 1

43-44/

Less than 1 hour per day.....00 $\geq 5 = 0$

Do not have a TV.....95

----- GO TO NEXT PAGE

DECK 03

8. Most children get angry at their parents from time to time. If your child got so angry that he/she hit you, what would you do?

(CIRCLE ALL THAT APPLY)

If Q8 is coded 01	Hit him/her back.....01	45-46/
or 03 then Q8 (recode)		
= 0	Send him/her to his/her room.....02	47-48/
Else Q8 (recode) = 1	Spank him/her.....03	49-50/
Note: "Other"	Talk to him/her.....04	51-52/
responses recoded	Ignore it.....05	53-54/
into 01 or 03 where	Give him/her household chore.....06	55-56/
appropriate	Take away his/her allowance.....07	57-58/
	Hold child's hands until he/she was calm.....08	59-60/
	Other (PLEASE WRITE WHAT ELSE)	
	09	61-62/

9. How often does a family member get a chance to take your child on any kind of outing (shopping, park, picnic, drive-in, and so on)?

(CIRCLE ONE)

A few times a year or less.....1	} = 0	
About once a month.....2		
About 2 or 3 times a month.....3	} = 1	
Several times a week.....4		
About once a day.....5		63-64/

10. How often has a family member taken or arranged to take your child to any type of museum (children's, scientific, art, historical, etc.) within the past year?

(CIRCLE ONE)

Never.....1	= 0	
Once or twice.....2	} = 1	
Several times.....3		
About once a month.....4		
About once a week or more often.....5		65-66/

BEGIN DECK 04

11. Think for a moment about a typical weekday for your family. How much time would you say your child spends watching television on a typical weekday?

(WRITE IN HOURS PER WEEKDAY.) |__|__|

11-12/

Less than 1 hour per weekday day.....00

Do not have a TV.....95

12. Now, think about a typical weekend day for your family. How much time would you say your child spends watching television on a typical weekend day?

(WRITE IN HOURS PER WEEKEND DAY.) |__|__|

13-14/

Less than 1 hour per weekend day.....00

Do not have a TV.....95

13. Does your child ever see his or her father, step father, or father-figure?

Yes.....1

No.....0

15-16/

14. Is this person his/her biological father, step father, or a father-figure?

(CIRCLE ONE)

Biological father.....1

Step father.....2

Father-figure.....3

No father, step father, or father-figure...4

17-18/

15. What is his relationship to you?

(CIRCLE ONE)

Your spouse.....01

Your ex-spouse.....02

Your friend.....03

Your partner.....04

Your father.....05

Your grandfather.....06

Your brother.....07

Your uncle.....08

Other (Please write who)

09

No father, step father, or father-figure...10

19-20/

16. Does your child see this person on a daily basis?

Yes.....1

No.....0

No father, step father, or father-figure....2

} = 0

21-22/

17. How often does your child eat a meal with both mother and father (step father or father-figure)?

(CIRCLE ONE)

More than once a day.....01

About once a day.....02

Several times a week.....03

About once a week.....04

About once a month.....05

Never.....06

No father, step father, or father figure...07

} = 1

} = 0

23-24/

PLEASE TURN TO NEXT PAGE

DECK 04

18. Sometimes kids mind pretty well and sometimes they don't. About how many times, if any, have you had to spank your child in the past week?

NUMBER OF TIMES = | |

25-26/

Did not spank child last week.....00

If Q18 = 0 or Q18 = 1 then Q18 (recode) = 1

If Q18 $\geq$ 2 then Q18 (recode) = 0

PLEASE GO TO SECTION 2, PART C, PAGE 43.

SECTION 1: THE HOME

PART C: FOR CHILDREN WHO ARE AT LEAST 6 YEARS, BUT LESS THAN 10 YEARS OLD

For

CHILD'S NAMEwho has had his/her 6th birthday but has
not had his/her 10th birthday.**INSTRUCTIONS TO MOTHER/GUARDIAN:**

We are interested in your family's lifestyle and rules.

Some questions you answer with a YES or NO or other word or phrase. Please circle the number that goes with the answer you choose.

Other questions have boxes for you to write in an answer.

If any question is not clear, please circle the question number and ask the interviewer about it when you have finished the booklet.

1. About how many books does your child have?

(CIRCLE ONE)

None.....	1	} = 0
1 or 2.....	2	
3 to 9.....	3	
10 or more.....	4	= 1

27-28/

2. About how often do you read stories to your child?

(CIRCLE ONE)

Never.....	01	} = 0
Several times a year.....	02	
Several times a month.....	03	
About once a week.....	04	
At least 3 times a week.....	05	} = 1
Every day.....	06	

29-30/

If at least 3 of the 4 items (a thru d) are 1 then Q3 = 1

Else Q3 (recode) = 0

DECK 04

3. How often is your child expected to do each of the following?

(CIRCLE ONE NUMBER FOR EACH QUESTION)

	Almost Never	Less than 1/2 the time	1/2 the time	More than 1/2 the time	Almost Always	
a. Make his/her own bed?	1	2	3	4	5	31-32/
b. Clean his/her own room?	1	2	3	4	5	33-34/
c. Clean up after spills?	1	2	3	4	5	35-36/
d. Bathe himself/ herself?	1	2	3	4	5	37-38/
e. Pick up after himself/herself?	1	2	3	4	5	39-40/

If Q3e ≥ 2 then Q3e (recode) = 1 If Q3e = 1 then Q3e (recode) = 0

4. Is there a musical instrument (for example, piano, drum, guitar, etc.) that your child can use here at home?

Yes.....1 = 1

No.....0 = 0

41-42/

5. Does your family get a daily newspaper?

Yes.....1 = 1

No.....0 = 0

43-44/

6. About how often does your child read for enjoyment?

(CIRCLE ONE)

Every day.....	1	} = 1
Several times a week.....	2	
Several times a month.....	3	
Several times a year.....	4	} = 0
Never.....	5	

45-46/

7. Does your family encourage your child to start and keep doing hobbies?

Yes.....	1	= 1
No.....	0	= 0

47-48/

8. Does your child get special lessons or belong to any organization that encourages activities such as sports, music, art, dance, drama, etc.?

Yes.....	1	= 1
No.....	0	= 0

49-50/

9. How often has any family member taken or arranged to take your child to any type of museum (children's, scientific, art, historical, etc.) within the past year?

(CIRCLE ONE)

Never.....	1	= 0
Once or twice.....	2	} = 1
Several times.....	3	
About once a month.....	4	
About once a week or more often.....	5	

51-52/

PLEASE TURN TO NEXT PAGE

DECK 04

10. How often has a family member taken or arranged to take your child to any type of musical or theatrical performance within the past year?

(CIRCLE ONE)

Never.....1 = 0

Once or twice.....2

Several times.....3

About once a month.....4

About once a week or more.....5

= 1

53-54/

11. About how often does your whole family get together with relatives or friends?

(CIRCLE ONE)

Once a year or less.....1

A few times a year.....2

About once a month.....3

Two or three times a month.....4

About once a week or more.....5

= 0

= 1

55-56/

12. Think for a moment about a typical weekday for your family. How much time would you say your child spends watching television on a typical weekday ?

(WRITE IN HOURS PER WEEKDAY.)

|_|_|

57-58/

Less than 1 hour per weekday.....00

Do not have a TV.....95

13. Now, think for a moment about a typical weekend day for your family. How much time would you say your child spends watching television on a typical weekend day?

(WRITE IN HOURS PER WEEKEND DAY.)

|_|_|

59-60/

Less than 1 hour per weekend day.....00

Do not have a TV.....95

14. Does your child ever see his or her father, step father, or father-figure?

Yes.....1

No.....0

61-62/

15. Is this person his/her biological father, step father, or a father-figure?

(CIRCLE ONE)

Biological father.....1

Step father.....2

Father-figure.....3

No father, step father, or father-figure..4

63-64/

16. What is his relationship to you?

(CIRCLE ONE)

Your spouse.....01

Your ex-spouse.....02

Your partner.....03

Your friend.....04

Your father.....05

Your grandfather.....06

Your brother.....07

Your uncle.....08

Other (please write who)

09

No father, step father, or father-figure..10

65-66/

17. About how often does your child spend time with his/her father, step father, or father-figure?

(CIRCLE ONE)

Once a day or more often.....01

At least 4 times a week.....02

About once a week.....03

About once a month.....04

A few times a year or less.....05

Never.....06

No father, step father, or father-figure...07

= 1

= 0

67-68/

PLEASE TURN TO NEXT PAGE

BEGIN DECK 05

18. About how often does your child spend time with his/her father, step father, or father-figure in outdoor activities?

(CIRCLE ONE)

Once a day or more often.....01	} = 1
At least 4 times a week.....02	
About once a week.....03	
About once a month.....04	} = 0
A few times a year or less.....05	
Never.....06	
No father, step father, or father-figure..07	
Don't know.....98	

11-12/

19. How often does your child eat a meal with both mother and father (step father or father-figure)?

(CIRCLE ONE)

More than once a day.....01	} = 1
Once a day.....02	
Several times a week.....03	} = 0
About once a week.....04	
About once a month.....05	
Never.....06	
No father, step father, or father-figure..07	

13-14/

20. When your family watches TV together, do you or your child's father (or step father or father-figure) discuss TV programs with him/her?

Yes..... 1 = 1

No..... 0 = 0

Do not have a TV..... 2 = -4

15-16/

PLEASE GO TO NEXT PAGE

21. Sometimes children get so angry at their parents that they say things like "I hate you" or swear in a temper tantrum. Please check which actions you would take if this happened.

(CIRCLE ALL THAT APPLY)

If Q21b = 02

then Q21 (re-

code = 0

use Q21 (re-

code) = 1

a. Grounding.....01	17-18/
b. Spanking.....02	19-20/
c. Talk with child.....03	21-22/
d. Give him or her household chore.....04	23-24/
e. Ignore it.....05	25-26/
f. Send to room for more than 1 hour.....06	27-28/
g. Take away his/her allowance.....07	29-30/
h. Take away TV or other privileges.....08	31-32/
i. Other (PLEASE WRITE WHAT ELSE)	
09	33-34/

22. If your child brought home a report card with grades lower than expected, how likely would you be to ...

VERY
LIKELY

NOT AT
ALL LIKELY

(CIRCLE ONE NUMBER FOR EACH QUESTION)

a. contact his or her teacher or principal?	1	2	3	4	5	35-36/
b. lecture the child?	1	2	3	4	5	37-38/
c. keep a closer eye on child's activities?	1	2	3	4	5	39-40/
d. punish the child?	1	2	3	4	5	41-42/
e. talk with the child?	1	2	3	4	5	43-44/
f. wait and see if child improves on his/her own?	1	2	3	4	5	45-46/
g. tell child to spend more time on schoolwork?	1	2	3	4	5	47-48/
h. spend more time helping child with schoolwork?	1	2	3	4	5	49-50/
i. Other (PLEASE WRITE WHAT ELSE)						

23. Sometimes kids mind pretty well and sometimes they don't. Sometimes they do things that make you feel good.

PLEASE ANSWER EACH QUESTION

How many times in the past week have you ...

WRITE IN
TIMES IN
PAST WEEK

- | | | | |
|---|--------------------------|-------|--------|
| a. had to spank your child? | | __ __ | 53-54/ |
| | If 23a $\geq$ 2 then 23a | | |
| b. grounded him/her? | (recode) = 0 | __ __ | 55-56/ |
| | Else 23a = 1 | | |
| c. taken away TV or other privileges? | | __ __ | 57-58/ |
| d. sent child to his/her room? | | __ __ | 59-60/ |
| e. taken away his/her allowance? | | __ __ | 61-62/ |
| f. shown child physical affection
(kiss, hug, stroke hair, etc.)? | | __ __ | 63-64/ |
| g. praised child for doing something worthwhile? | | __ __ | 65-66/ |
| h. told another adult (spouse, friend, co-worker,
visitor, relative) something positive about child? | | __ __ | 67-68/ |

MOTHER/GUARDIAN:

- (1) IF YOUR CHILD HAS NOT HAD A 7th BIRTHDAY, GO TO SECTION 2 PART C, PAGE 43.
- (2) IF YOUR CHILD IS AT LEAST AGE 7 YEARS OR OLDER, GO TO SECTION 4, PAGE 67.

SECTION 1: THE HOME

PART D: FOR CHILDREN WHO ARE 10 YEARS AND OLDER

For _____ who has had his/her 10th birthday or higher.
CHILD'S NAME

INSTRUCTIONS TO MOTHER/GUARDIAN:

We are interested in your family's lifestyle and rules.

Some questions you answer with a YES or NO or other word or phrase. Please circle the number that goes with the answer you choose.

Other questions have boxes for you to write in an answer.

If any question is not clear, please circle the question number and ask the interviewer about it when you have finished the booklet.

1. About how many books does your child have of his/her own?

(CIRCLE ONE)

None.....	1	} = 0
1 to 9.....	2	
10 to 19.....	3	
20 or more.....	4	= 1

69-70/

PLEASE TURN TO NEXT PAGE

BEGIN DECK 06

If at least 3 of the 4 items (2a, 2b, 2d, 2e) are >1 then Q2 = 1
Else Q2 = 0

2. How often is your child expected to do each of the following?
(CIRCLE ONE NUMBER FOR EACH QUESTION)

	Almost Never	Less than 1/2 the time	1/2 the time	More than 1/2 the time	Almost Always	
a. Make his/her own bed?	1	2	3	4	5	11-12/
b. Clean his/her own room?	1	2	3	4	5	13-14/
If Q2c $\geq$ 2 then Q2c (recode) = 1 Else Q2c = 0						
c. Pick up after himself/herself?	1	2	3	4	5	15-16/
d. Help keep shared living areas clean and straight?	1	2	3	4	5	17-18/
e. Do routine chores such as mow the lawn, help with dinner, wash dishes, etc.?	1	2	3	4	5	19-20/
f. Help manage his/ her own time (get up on time, be ready for school etc.)?	1	2	3	4	5	21-22/
If Q2f $\geq$ 2 then Q2f (recode) = 1 Else Q2f = 0						
	Almost Never	Less than 1/2 the time	1/2 the time	More than 1/2 the time	Almost Always	

3. Is there a musical instrument (for example, piano, drum, guitar, etc.) that your child can use here at home?

Yes.....1 = 1

No.....0 = 0

23-24/

4. Does your family get a daily newspaper?

Yes.....1 = 1

No.....0 = 0

25-26/

PLEASE GO TO NEXT PAGE

5. About how often does your child read for enjoyment?

(CIRCLE ONE)

Every day.....	1	} = 1
Several times a week.....	2	
Several times a month.....	3	} = 0
Several times a year.....	4	
Never.....	5	
Don't know.....	8	

27-28/

6. Does your family encourage your child to start and keep doing hobbies?

Yes.....	1	= 1
No.....	0	= 0

29-30/

7. Does your child get special lessons or belong to any organization that encourages activities such as sports, music, art, dance, drama, etc.?

Yes.....	1	= 1
No.....	0	= 0

31-32/

8. How often has a family member taken or arranged to take your child to any type of museum (children's, scientific, art, historical, etc.) within the past year?

(CIRCLE ONE)

Never.....	1	= 0
Once or twice.....	2	} = 1
Several times.....	3	
About once a month.....	4	
About once a week or more often.....	5	

33-34/

9. How often has a family member taken or arranged to take your child to any type of musical or theatrical performance within the past year?

(CIRCLE ONE)

Never.....	1	= 0
Once or twice.....	2	} = 1
Several times.....	3	
About once a month.....	4	
About once a week or more often.....	5	

35-36/

DECK 06

10. About how often does your whole family get together with relatives or friends?

(CIRCLE ONE)

Once a year or less.....	1	} = 0
A few times a year.....	2	
About once a month.....	3	
Two or three times a month.....	4	} = 1
About once a week or more.....	5	

37-38/

11. Think for a moment about a typical weekday for your family. How much time would you say your child spends watching television on a typical weekday?

(WRITE IN HOURS PER WEEKDAY.)

|_|_|

39-40/

Less than 1 hour per day.....00

Do not have a TV.....95

12. Now, think for a moment about a typical weekend day for your family. How much time would you say your child spends watching television on a typical weekend day?

(WRITE IN HOURS PER WEEKEND DAY.)

|_|_|

41-42/

Less than 1 hour per day.....00

Do not have a TV.....95

13. Does your child ever see his or her father, step father, or father-figure?

Yes.....1

No.....0

43-44/

14. Is this person his/her biological father, step father, or a father-figure?

(CIRCLE ONE)

Biological father.....1

Step father.....2

Father-figure.....3

No father, step father, or father-figure.....4

45-46/

PLEASE GO TO NEXT PAGE

(CIRCLE ONE)

Your spouse.....01
Your ex-spouse.....02
Your partner.....03
Your friend.....04
Your father.....05
Your grandfather.....06
Your brother.....07
Your uncle.....08
Other (please write who)

09

No father, step father, or father-figure....10

47-48/

16. About how often does your child spend time with his/her father, step father, or father-figure?

(CIRCLE ONE)

Once a day or more often.....01
At least 4 times a week.....02
About once a week.....03
About once a month.....04
A few times a year or less.....05
Never.....06
No father, step father, or father-figure....07

= 1

= 0

49-50/

17. About how often does your child spend time with his/her father, step father, or father-figure in outdoor activities?

(CIRCLE ONE)

Once a day or more often.....01
At least 4 times a week.....02
About once a week.....03
About once a month.....04
A few times a year or less.....05
Never.....06
No father, step father, or father-figure...07
Don't know.....98

= 1

= 0

51-52/

PLEASE TURN TO NEXT PAGE

DECK 06

18. How often does your child eat a meal with both mother and father (step father or father-figure)?

(CIRCLE ONE)

More than once a day.....01	} = 1
Once a day.....02	
Several times a week.....03	} = 0
About once a week.....04	
About once a month.....05	
Never.....06	
No father, step father, or father-figure....07	

53-54/

19. When your family watches TV together, do you or your child's father (step father or father-figure) discuss TV programs with him/her?

Yes.....1	= 1
No.....0	= 0
Do not have a TV.....2	= -4

55-56/

20. Sometimes children get so angry at their parents that they say things like "I hate you" or swear in a temper tantrum. Please check which actions you would take if this happened.

(CIRCLE ALL THAT APPLY)

If Q12b = 2 then	Grounding.....01	57-58/
Q12b (recode) = 0		
Else Q12b (recode)	Spanking.....02	59-60/
= 1	Talk with child.....03	61-62/
	Give him or her household chore.....04	63-64/
	Ignore it.....05	65-66/
	Send to room for more than 1 hour.....06	67-68/
	Take away his/her allowance.....07	69-70/
	Take away TV, phone, or other privileges..08	71-72/
	Other (PLEASE WRITE OTHER ACTIONS)	

09

73-74/

BEGIN DECK 07

21. If your child brought home a report card with grades lower than expected, how likely would you be to ...

VERY
LIKELY

NOT
AT ALL
LIKELY

(CIRCLE ONE NUMBER FOR EACH QUESTION)

- | | | | | | | |
|---|---|---|---|---|---|--------|
| a. contact his or her teacher or principal? | 1 | 2 | 3 | 4 | 5 | 11-12/ |
| b. lecture the child? | 1 | 2 | 3 | 4 | 5 | 13-14/ |
| c. keep a closer eye on child's activities? | 1 | 2 | 3 | 4 | 5 | 15-16/ |
| d. punish the child? | 1 | 2 | 3 | 4 | 5 | 17-18/ |
| e. talk with the child? | 1 | 2 | 3 | 4 | 5 | 19-20/ |
| f. wait and see if child improves on his/her own? | 1 | 2 | 3 | 4 | 5 | 21-22/ |
| g. tell child to spend more time on schoolwork? | 1 | 2 | 3 | 4 | 5 | 23-24/ |
| h. spend more time helping child with schoolwork? | 1 | 2 | 3 | 4 | 5 | 25-26/ |
| i. Other (PLEASE WRITE WHAT ELSE) _____ | | | | | | |
| | | | | | 8 | 27-28/ |

22. Sometimes kids mind pretty well and sometimes they don't. Sometimes they do things that make you feel good.

(PLEASE ANSWER EACH ITEM)

How many times in the past week have you ...

WRITE IN
TIMES IN
PAST WEEK

- | | | |
|--|-------|--------|
| a. had to spank your child? | __ __ | 29-30/ |
| If Q22a ≥ 2 then Q22a (recode) = 0 | | |
| b. grounded him/her? | __ __ | 31-32/ |
| Else Q22a (recode) = 1 | | |
| c. taken away TV or other privileges? | __ __ | 33-34/ |
| d. sent child to his/her room? | __ __ | 35-36/ |
| e. taken away his/her allowance? | __ __ | 37-38/ |
| f. shown child physical affection (kiss, hug, stroke hair, etc.)? | __ __ | 39-40/ |
| g. praised child for doing something worthwhile? | __ __ | 41-42/ |
| h. told another adult (spouse, friend, co-worker, visitor, relative) something positive about child? | __ __ | 43-44/ |

GO TO SECTION 4, page 67.

Appendix B

THE HOME INSTRUMENT RECODES FROM THE CHILD SUPPLEMENT

SECTION 12: INTERVIEWER OBSERVATIONS OF HOME ENVIRONMENT

EACH CHILD

STEP ONE: ANSWER ON THE BASIS OF YOUR PERSONAL OBSERVATION OF THE HOME ENVIRONMENT OF EACH CHILD IN STUDY AT TIME OF YOUR VISIT.

STEP TWO: RECORD OBSERVATIONS AT CONCLUSION OF THE ENTIRE INTERVIEW FOR THIS CHILD.

STEP THREE: IS CHILD'S AGE...

LESS THAN 3 YRS OLD.....(GO TO PART A, CS-80)..... 1

3 YRS - 5 YRS, 11 MOS.....(SKIP TO PART B, CS-81)..... 2 69-70/

6 YRS AND OLDER.....(SKIP TO PART C, CS-82)..... 3

NOTE: FOR PURPOSES OF SECTION 12, CHILD'S "HOME" IS (HIS/HER) OFFICIAL PERMANENT RESIDENCE. IF CHILD LIVES IN INSTITUTION, IN GROUP HOME OR AT SCHOOL, CIRCLE CODE '2', NOT OBSERVED, FOR EACH ANSWER.

PART A: CHILD LESS THAN 3 YRS

1. DID YOU OBSERVE THIS CHILD AND MOTHER TOGETHER
- AT ANY TIME?

YES..... 1

11-12/

NO.... (SKIP TO Q.9)..... 0

YES	NO	NOT OBSERVED
-----	----	-----------------

2. (MOTHER/GUARDIAN) SPONTANEOUSLY SPOKE TO CHILD
-
- TWICE OR MORE (EXCLUDING SCOLDING).

1	0	2	13-14/
---	---	---	--------

3. (MOTHER/GUARDIAN) RESPONDED VERBALLY TO CHILD'S SPEECH.

1	0	2	15-16/
---	---	---	--------

4. (MOTHER/GUARDIAN) CARESSED, KISSED, OR HUGGED CHILD
-
- AT LEAST ONCE.

1	0	2	17-18/
---	---	---	--------

5. (MOTHER/GUARDIAN) SLAPPED OR SPANKED CHILD AT
-
- LEAST ONCE.

Recode 1 to 0 and 0 to 1

1	0	2	19-20/
---	---	---	--------

6. (MOTHER/GUARDIAN) INTERFERED WITH CHILD'S ACTIONS OR
-
- RESTRICTED CHILD FROM EXPLORING MORE THAN 3 TIMES.

Recode 1 to 0 and 0 to 1

1	0	2	21-22/
---	---	---	--------

7. (MOTHER/GUARDIAN) PROVIDED TOYS OR INTERESTING
-
- ACTIVITIES FOR CHILD.

1	0	2	23-24/
---	---	---	--------

8. (MOTHER/GUARDIAN) KEPT CHILD IN VIEW/COULD SEE
-
- CHILD/LOOKED AT (HIM/HER) OFTEN.

1	0	2	25-26/
---	---	---	--------

9. CHILD'S PLAY ENVIRONMENT IS SAFE (NO POTENTIALLY
-
- DANGEROUS HEALTH OR STRUCTURAL HAZARDS WITHIN A
-
- TODDLER'S OR INFANT'S RANGE).

Note: "2" recoded to -4

(E.G., FALLING PLASTER, PEELING PAINT, RODENTS, GLASS,
POISONS AND CLEANING MATERIALS, FLAMES & HEAT, FRAYED
ELECTRICAL WIRES).

1	0	2	27-28/
---	---	---	--------

TIME
ENDED:

--	--	--	--

AM
PM

HR	MIN
29-30/	31-32/

33-34/

10. INTERVIEWER: SKIP TO CS-83.

PART B: CHILD 3 YRS - 5 YRS, 11 MOS

DID YOU OBSERVE THIS CHILD AND MOTHER TOGETHER AT ANY TIME?

YES..... 1
 NO... (SKIP TO Q.8).... 0

35-36/

NOT
OBSERVED

YES NO 2 37-38/
 1 0

2. (MOTHER/GUARDIAN) CONVERSED WITH CHILD AT LEAST TWICE
 (EXCLUDING SCOLDING OR SUSPICIOUS COMMENTS).

3. (MOTHER/GUARDIAN) ANSWERED CHILD'S QUESTIONS OR
 REQUESTS VERBALLY. 1 0 2 39-40/

4. (MOTHER/GUARDIAN) CARESSED, KISSED, OR HUGGED CHILD
 AT LEAST ONCE. 1 0 2 41-42/

5. (MOTHER/GUARDIAN) INTRODUCED INTERVIEWER TO CHILD
 BY NAME. 1 0 2 43-44/

6. (MOTHER/GUARDIAN) PHYSICALLY RESTRICTED OR (SHOOK/
 GRABBED) CHILD. Recode 1 to 0 and 0 to 1
 1 0 2 45-46/

(MOTHER/GUARDIAN) SLAPPED OR SPANKED CHILD AT LEAST
 ONCE. Recode 1 to 0 and 0 to 1
 1 0 2 47-48/

8. (MOTHER/GUARDIAN)'S VOICE CONVEYED POSITIVE FEELING
 ABOUT THIS CHILD. 1 0 2 49-50/

9. CHILD'S PLAY ENVIRONMENT IS SAFE (NO POTENTIALLY
 DANGEROUS STRUCTURAL OR HEALTH HAZARDS
 WITHIN A PRESCHOOLER'S RANGE).
 1 0 2 51-52/

10. INTERIOR OF THE HOME IS DARK OR PERCEPTUALLY
 MONOTONOUS. Recode 1 to 0 and 0 to 1
 1 0 2 53-54/

11. ALL VISIBLE ROOMS OF HOUSE/APARTMENT ARE
 REASONABLY CLEAN. 1 0 2 55-56/

12. ALL VISIBLE ROOMS OF HOUSE/APARTMENT ARE
 MINIMALLY CLUTTERED. 1 0 2 57-58/

Note: "2" recoded to -4

INTERVIEWER: SKIP TO CS-83.

TIME
ENDED:

--	--

--	--

AM
PM

HR
59-60/

MIN
61-62/

63-64/

PART C: CHILD 6 YRS AND OLDER

1. DID YOU OBSERVE THIS CHILD AND MOTHER TOGETHER AT ANY TIME?

YES..... 1
 NO... (SKIP TO Q.6) 0

11-12/

- | | YES | NO | NOT
OBSERVED | |
|--|-----|----|-----------------|-------|
| 2. (MOTHER/GUARDIAN) ENCOURAGED CHILD TO CONTRIBUTE TO THE CONVERSATION. | 1 | 0 | 2 | 13-14 |
| 3. (MOTHER/GUARDIAN) ANSWERED CHILD'S QUESTIONS OR REQUESTS VERBALLY. | 1 | 0 | 2 | 15-16 |
| 4. (MOTHER/GUARDIAN) CONVERSED WITH CHILD EXCLUDING SCOLDING OR SUSPICIOUS COMMENTS. | 1 | 0 | 2 | 17-18 |
| 5. (MOTHER/GUARDIAN), INTRODUCED INTERVIEWER TO CHILD BY NAME. | 1 | 0 | 2 | 19-20 |
| 6. (MOTHER/GUARDIAN)'S VOICE CONVEYED POSITIVE FEELING ABOUT THIS CHILD. | 1 | 0 | 2 | 21-22 |
| 7. INTERIOR OF THE HOME IS DARK OR PERCEPTUALLY MONOTONOUS. | 1 | 0 | 2 | 23-24 |
| Recode 1 to 0 and 0 to 1 | | | | |
| 8. ALL VISIBLE ROOMS OF THE HOUSE/APARTMENT ARE REASONABLY CLEAN. | 1 | 0 | 2 | 25-26 |
| 9. ALL VISIBLE ROOMS OF THE HOUSE/APARTMENT ARE MINIMALLY CLUTTERED. | 1 | 0 | 2 | 27-28 |
| 10. BUILDING HAS NO POTENTIALLY DANGEROUS STRUCTURAL OR HEALTH HAZARDS WITHIN A SCHOOL-AGED CHILD'S RANGE.

(E.G. FALLING PLASTER, PEELING PAINT, RODENTS, GLASS, POISONS AND CLEANING MATERIALS, FLAMES AND HEAT, FRAYED ELECTRICAL WIRES). | 1 | 0 | 2 | 29-30 |

TIME
ENDED:

HR	MIN
----	-----

AM
PM

31-32/ 33-34/

35-36/

INTERVIEWER: GO TO CS-83. Note: "2" recoded to "-4"

Appendix C

MOTOR AND SOCIAL DEVELOPMENT

RAW SCORE - NORMED SCORE

LOOKUP TABLES

Appendix C. Motor & Social Development Assessment: Raw Scores, Percentile Scores, and Standard Scores by Age and Sex of Child

CHILD AGE IN MONTHS	BOYS			GIRLS		ALL CHILDREN	
	RAW SCORE	PERCENTILE SCORE	STANDARD SCORE	PERCENTILE SCORE	STANDARD SCORE	PERCENTILE SCORE	STANDARD SCORE
0-3	0	14	67	9	65	12	66
0-3	1	35	73	33	72	35	73
0-3	2	49	75	57	76	53	76
0-3	3	60	77	82	79	70	78
0-3	4	90	80	118	82	103	81
0-3	5	155	85	179	86	166	85
0-3	6	223	89	267	91	243	90
0-3	7	277	91	346	94	310	93
0-3	8	348	94	431	97	386	96
0-3	9	440	98	558	102	496	100
0-3	10	527	101	667	106	593	104
0-3	11	595	104	755	110	670	107
0-3	12	699	108	852	116	771	111
0-3	13	827	114	925	122	873	117
0-3	14	916	121	961	126	937	123
0-3	15	975	130	985	133	980	131
4-6	0	0	0	0	0	0	0
4-6	1	5	61	0	0	3	58
4-6	2	9	65	0	0	5	61
4-6	3	14	67	5	61	10	65
4-6	4	38	73	46	75	42	74
4-6	5	142	84	127	83	134	83
4-6	6	335	94	228	89	283	91
4-6	7	528	101	389	96	461	99
4-6	8	679	107	576	103	629	105
4-6	9	797	112	708	108	753	110
4-6	10	873	117	824	114	849	115
4-6	11	924	122	909	120	918	121
4-6	12	967	128	944	124	955	126
4-6	13	985	133	970	128	979	130
4-6	14	991	135	985	133	988	134
4-6	15	996	139	995	139	995	139

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CHILD AGE IN MONTHS	RAW SCORE	BOYS		GIRLS		ALL CHILDREN	
		PERCENTILE SCORE	STANDARD SCORE	PERCENTILE SCORE	STANDARD SCORE	PERCENTILE SCORE	STANDARD SCORE
7-9	0	5	61	0	0	3	58
7-9	1	9	65	9	65	10	65
7-9	2	9	65	18	69	14	67
7-9	3	9	65	27	71	19	69
7-9	4	28	71	41	74	35	73
7-9	5	51	75	59	76	55	76
7-9	6	84	79	104	81	94	80
7-9	7	134	83	171	86	153	85
7-9	8	245	90	252	90	249	90
7-9	9	356	94	365	95	361	95
7-9	10	440	98	477	99	459	98
7-9	11	584	103	609	104	596	104
7-9	12	718	109	744	110	730	109
7-9	13	820	114	838	115	829	114
7-9	14	917	121	924	121	921	121
7-9	15	982	131	982	131	982	131
10-12	0	0	0	0	0	0	0
10-12	1	3	60	4	60	3	60
10-12	2	17	68	8	64	13	66
10-12	3	33	72	8	64	22	70
10-12	4	53	76	12	66	35	73
10-12	5	76	79	28	71	55	76
10-12	6	113	82	62	77	90	80
10-12	7	166	85	102	81	137	84
10-12	8	235	89	163	85	203	88
10-12	9	354	94	264	91	315	93
10-12	10	493	100	390	96	447	98
10-12	11	609	104	553	102	584	103
10-12	12	722	109	715	109	719	109
10-12	13	818	114	829	114	823	114
10-12	14	911	120	923	121	916	121
10-12	15	984	132	984	132	984	132
13-15	0	4	60	0	0	2	57

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CHILD AGE IN MONTHS	RAW SCORE	BOYS		GIRLS		ALL CHILDREN	
		PERCENTILE SCORE	STANDARD SCORE	PERCENTILE SCORE	STANDARD SCORE	PERCENTILE SCORE	STANDARD SCORE
13-15	1	8	64	0	0	4	60
13-15	2	8	64	0	0	4	60
13-15	3	21	69	9	65	15	67
13-15	4	42	74	23	70	33	72
13-15	5	63	77	42	74	52	76
13-15	6	91	80	87	80	89	80
13-15	7	136	84	147	84	142	84
13-15	8	207	88	206	88	207	88
13-15	9	302	92	294	92	298	92
13-15	10	434	97	404	96	420	97
13-15	11	587	103	551	102	570	103
13-15	12	727	109	711	108	720	109
13-15	13	868	117	844	115	857	116
13-15	14	959	126	950	125	954	125
13-15	15	988	134	996	139	992	136
16-18	0	0	0	0	0	0	0
16-18	1	0	0	0	0	0	0
16-18	2	9	65	0	0	5	61
16-18	3	36	73	0	0	18	68
16-18	4	59	76	0	0	28	71
16-18	5	77	79	0	0	37	73
16-18	6	116	82	29	71	71	78
16-18	7	201	87	94	80	145	84
16-18	8	344	94	195	87	266	91
16-18	9	541	102	415	97	474	99
16-18	10	742	110	659	106	699	108
16-18	11	879	118	809	113	843	115
16-18	12	947	124	894	119	920	121
16-18	13	978	130	940	123	957	126
16-18	14	991	135	976	130	983	132
16-18	15	996	139	996	140	996	139
19-21	0	0	0	0	0	0	0
19-21	1	4	60	0	0	2	57

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CHILD AGE IN MONTHS	RAW SCORE	BOYS		GIRLS		ALL CHILDREN	
		PERCENTILE SCORE	STANDARD SCORE	PERCENTILE SCORE	STANDARD SCORE	PERCENTILE SCORE	STANDARD SCORE
19-21	2	8	64	0	0	4	60
19-21	3	8	64	0	0	4	60
19-21	4	41	74	0	0	21	69
19-21	5	107	81	17	68	63	77
19-21	6	223	89	120	82	174	86
19-21	7	418	97	298	92	359	95
19-21	8	608	104	496	100	553	102
19-21	9	739	110	655	106	699	108
19-21	10	826	114	772	111	799	113
19-21	11	897	119	879	118	888	118
19-21	12	951	125	935	123	943	124
19-21	13	971	128	957	126	965	127
19-21	14	984	132	974	129	979	130
19-21	15	996	140	992	136	994	137
22-24	0	16	68	14	67	15	67
22-24	1	80	79	47	75	65	77
22-24	2	187	87	135	83	164	85
22-24	3	318	93	286	92	302	92
22-24	4	425	97	397	96	413	97
22-24	5	516	101	491	100	504	100
22-24	6	639	105	579	103	612	104
22-24	7	765	111	663	106	719	109
22-24	8	857	116	776	111	820	114
22-24	9	921	121	860	116	893	119
22-24	10	964	127	907	120	938	123
22-24	11	984	132	935	123	962	127
22-24	12	996	140	968	128	983	132
22-24	13	999	146	991	135	996	140
22-24	14	999	146	991	135	996	140
22-24	15	999	146	996	139	998	143
25-27	0	14	67	5	61	9	65
25-27	1	45	74	19	69	32	72
25-27	2	93	80	57	76	76	78

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CHILD AGE IN MONTHS	RAW SCORE	BOYS		GIRLS		ALL CHILDREN	
		PERCENTILE SCORE	STANDARD SCORE	PERCENTILE SCORE	STANDARD SCORE	PERCENTILE SCORE	STANDARD SCORE
25-27	3	177	86	118	82	149	84
25-27	4	257	90	189	87	224	89
25-27	5	319	93	236	89	279	91
25-27	6	429	97	292	92	363	95
25-27	7	588	103	392	96	493	100
25-27	8	713	108	542	102	631	105
25-27	9	779	112	685	107	733	109
25-27	10	845	115	759	111	804	113
25-27	11	912	120	835	115	874	117
25-27	12	956	126	910	120	934	123
25-27	13	982	131	953	125	968	128
25-27	14	991	135	981	131	986	133
25-27	15	996	139	999	146	998	142
28-30	0	12	66	0	0	6	62
28-30	1	30	72	0	0	15	67
28-30	2	54	76	12	66	33	72
28-30	3	90	80	35	73	62	77
28-30	4	126	83	63	77	94	80
28-30	5	169	86	92	80	130	83
28-30	6	223	89	120	82	171	86
28-30	7	301	92	161	85	229	89
28-30	8	385	96	224	89	303	92
28-30	9	507	100	322	93	412	97
28-30	10	699	108	465	99	579	103
28-30	11	831	114	644	106	735	109
28-30	12	885	118	788	112	835	115
28-30	13	952	125	891	118	920	121
28-30	14	994	138	966	127	980	131
28-30	15	999	146	995	138	997	141
31-34	0	0	0	0	0	0	0
31-34	1	4	60	18	69	11	66
31-34	2	16	68	40	74	28	71
31-34	3	27	71	44	74	36	73

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CHILD AGE IN MONTHS	RAW SCORE	BOYS		GIRLS		ALL CHILDREN	
		PERCENTILE SCORE	STANDARD SCORE	PERCENTILE SCORE	STANDARD SCORE	PERCENTILE SCORE	STANDARD SCORE
31-34	4	39	73	44	74	41	74
31-34	5	62	77	48	75	55	76
31-34	6	95	80	59	76	76	79
31-34	7	131	83	81	79	105	81
31-34	8	191	87	124	83	157	85
31-34	9	275	91	193	87	233	89
31-34	10	355	94	289	92	321	93
31-34	11	504	100	408	97	455	98
31-34	12	684	107	562	102	621	105
31-34	13	817	114	734	109	774	111
31-34	14	920	121	888	118	903	119
31-34	15	981	131	978	130	980	131
35-38	0	0	0	4	60	2	57
35-38	1	0	0	8	64	4	60
35-38	2	0	0	12	66	6	62
35-38	3	0	0	17	68	7	63
35-38	4	3	60	17	68	9	65
35-38	5	10	65	17	68	13	67
35-38	6	21	69	17	68	19	69
35-38	7	44	74	17	68	32	72
35-38	8	71	78	30	72	52	76
35-38	9	105	81	71	78	89	80
35-38	10	182	86	117	82	154	85
35-38	11	307	92	175	86	248	90
35-38	12	459	98	267	91	373	95
35-38	13	649	106	430	97	550	102
35-38	14	845	115	667	106	765	111
35-38	15	966	127	896	119	935	123
39-42	0	0	0	0	0	0	0
39-42	1	5	61	0	0	2	57
39-42	2	14	67	0	0	6	62
39-42	3	23	70	0	0	10	65
39-42	4	32	72	0	0	15	67

Appendix C.
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CHILD AGE IN MONTHS	RAW SCORE	BOYS		GIRLS		ALL CHILDREN	
		PERCENTILE SCORE	STANDARD SCORE	PERCENTILE SCORE	STANDARD SCORE	PERCENTILE SCORE	STANDARD SCORE
39-42	5	41	74	0	0	19	69
39-42	6	45	75	0	0	21	69
39-42	7	45	75	8	64	25	71
39-42	8	45	75	20	69	31	72
39-42	9	59	76	31	72	44	74
39-42	10	99	81	66	77	81	79
39-42	11	180	86	120	82	148	84
39-42	12	297	92	213	88	253	90
39-42	13	482	99	396	96	436	98
39-42	14	712	108	640	105	673	107
39-42	15	910	120	884	118	896	119
43-47	0	0	0	0	0	0	0
43-47	1	0	0	0	0	0	0
43-47	2	3	59	0	0	2	55
43-47	3	6	62	0	0	3	59
43-47	4	6	62	0	0	3	59
43-47	5	9	65	0	0	5	61
43-47	6	13	67	3	60	8	64
43-47	7	16	68	7	63	12	66
43-47	8	32	72	14	67	23	70
43-47	9	54	76	27	71	40	74
43-47	10	73	78	53	76	63	77
43-47	11	117	82	85	79	101	81
43-47	12	195	87	126	83	160	85
43-47	13	318	93	224	89	272	91
43-47	14	594	104	448	98	522	101
43-47	15	896	119	800	113	849	115

Appendix D

BEHAVIOR PROBLEMS INDEX RAW SCORE - NORMED SCORE LOOKUP TABLES

APPENDIX D TABLES

- Appendix D1. Behavior Problems Index - Anxious/Depressed Subscale: Raw, Percentile, and Standard Scores by Age and Sex of Child**
- Appendix D2. Behavior Problems Index - Antisocial Subscale: Raw, Percentile, and Standard Scores by Age, Sex, and School Experience of Child**
- Appendix D3. Behavior Problems Index - Dependent Subscale: Raw, Percentile, and Standard Scores by Age and Sex of Child**
- Appendix D4. Behavior Problems Index - Headstrong Subscale: Raw, Percentile, and Standard Scores by Age and Sex of Child**
- Appendix D5. Behavior Problems Index - Hyperactive Subscale: Raw, Percentile, and Standard Scores by Age and Sex of Child**
- Appendix D6. Behavior Problems Index - Peer Conflicts/Withdrawn Subscale: Raw, Percentile, and Standard Scores by Age and Sex of Child**
- Appendix D7. Behavior Problems Index - Total Raw, Percentile, and Standard Scores by Age, Sex, and School Experience of Child**

Appendix D1. Behavioral Problems Index - Anxious/Depressed Subscale: Raw, Percentile, and Standard Scores by Age and Sex of Child

CHILD AGE	RAW SCORE	BOYS		GIRLS		TOTAL	
		PERCENTILE SCORE	STANDARD SCORE	PERCENTILE SCORE	STANDARD SCORE	PERCENTILE SCORE	STANDARD SCORE
4	0	210	88	194	87	202	87
4	1	562	102	545	102	554	102
4	2	791	112	799	113	795	112
4	3	923	121	932	122	927	122
4	4	980	131	982	131	982	131
4	5	996	139	982	131	998	142
5	0	181	86	167	86	174	86
5	1	499	100	490	100	494	100
5	2	735	109	750	110	743	110
5	3	882	118	893	119	888	118
5	4	955	125	953	125	954	125
5	5	990	135	987	133	989	134
6	0	178	86	164	85	171	86
6	1	475	99	477	99	476	99
6	2	711	108	712	108	711	108
6	3	871	117	859	116	865	117
6	4	948	124	943	124	946	124
6	5	990	135	982	131	985	133
7	0	165	85	206	88	185	87
7	1	479	99	533	101	506	100
7	2	722	109	739	110	730	109
7	3	857	116	868	117	863	116
7	4	929	122	944	124	936	123
7	5	980	131	988	134	984	132
8	0	170	86	167	85	169	86
8	1	475	99	480	99	478	99
8	2	695	108	713	108	704	108
8	3	840	115	854	116	847	115
8	4	931	122	938	123	935	123
8	5	981	131	983	132	982	131
9	0	191	87	199	87	195	87
9	1	489	100	502	100	495	100
9	2	693	108	704	108	699	108
9	3	842	115	852	116	847	115

CHILD AGE	RAW SCORE	BOYS		GIRLS		TOTAL	
		PERCENTILE SCORE	STANDARD SCORE	PERCENTILE SCORE	STANDARD SCORE	PERCENTILE SCORE	STANDARD SCORE
9	4	924	121	935	123	930	122
9	5	979	131	984	132	981	131
10	0	173	86	172	86	173	86
10	1	470	99	475	99	473	99
10	2	690	107	683	107	686	107
10	3	842	115	825	114	833	114
10	4	931	122	928	122	929	122
10	5	983	132	983	132	983	132
11	0	175	86	178	86	177	86
11	1	477	99	473	99	475	99
11	2	691	107	670	107	681	107
11	3	827	114	830	114	828	114
11	4	922	121	940	123	930	122
11	5	985	132	985	133	985	132
12	0	196	87	194	87	195	87
12	1	516	101	517	101	516	101
12	2	710	108	729	109	720	109
12	3	826	114	860	116	843	115
12	4	917	121	942	124	930	122
12	5	981	131	990	135	985	133
13	0	197	87	172	86	185	87
13	1	516	101	478	99	498	100
13	2	715	108	699	108	707	108
13	3	840	115	842	115	841	115
13	4	922	121	926	122	924	121
13	5	978	130	978	130	978	130
14	0	223	89	183	86	204	88
14	1	567	103	499	100	534	101
14	2	763	111	700	108	733	109
14	3	878	117	823	114	852	116
14	4	944	124	913	120	929	122
14	5	984	132	974	129	979	131
15	0	231	89	190	87	212	88
15	1	596	104	502	100	551	102
15	2	785	112	708	108	748	110
15	3	876	117	835	115	856	116
15	4	947	124	912	120	930	122
15	5	991	135	973	129	982	131

Appendix D2. Behavioral Problems Index - Antisocial Subscale: Raw, Percentile, and Standard Scores by Age, Sex, and School Experience of Child

CHILD AGE	RAW SCORE	BOYS				GIRLS				TOTAL			
		EVER IN SCHOOL		NEVER IN SCHOOL		EVER IN SCHOOL		NEVER IN SCHOOL		EVER IN SCHOOL		NEVER IN SCHOOL	
		PERCENTILE	STANDARD	PERCENTILE	STANDARD	PERCENTILE	STANDARD	PERCENTILE	STANDARD	PERCENTILE	STANDARD	PERCENTILE	STANDARD
4	0	233	89	167	85	307	92	279	91	269	91	223	89
4	1	585	103	500	100	732	109	680	107	655	106	591	103
4	2	796	112	759	111	899	119	877	117	846	115	818	114
4	3	935	123	917	121	972	129	968	128	953	125	943	124
4	4	990	135	992	136	998	143	992	136	994	138	992	136
4	5	990	135			998	143			994	138		
4	6	990	135			998	143			994	138		
5	0	240	89	207	88	281	91	229	89	261	90	217	88
5	1	588	103	563	102	680	107	583	103	636	105	572	103
5	2	777	111	813	113	851	116	819	114	816	113	817	114
5	3	898	119	951	125	934	123	965	127	917	121	957	126
5	4	962	127	995	138	977	130	965	127	969	128	997	140
5	5	988	134			993	136			991	135		
5	6	996	140			998	143			997	141		
6	0	212	88			290	92			250	90		
6	1	548	102			676	107			611	104		
6	2	761	111			848	115			803	113		
6	3	885	118			945	124			913	120		
6	4	942	124			977	130			960	126		
6	5	972	129			994	138			983	132		
6	6	990	135			994	138			995	138		
7	0	221	88			293	92			256	90		
7	1	565	102			704	108			634	105		
7	2	756	110			870	117			811	113		
7	3	855	116			948	124			900	119		
7	4	923	121			988	134			955	125		
7	5	973	129			996	139			984	132		
7	6	994	138			999	145			996	140		
8	0	251	90			288	92			270	91		
8	1	601	104			684	107			643	105		
8	2	767	111			846	115			807	113		
8	3	890	118			940	123			916	121		
8	4	966	127			984	132			976	130		
8	5	988	134			995	138			992	136		
8	6	996	139			995	138			998	143		
9	0	254	90			318	93			286	92		
9	1	613	104			746	110			680	107		
9	2	788	112			897	119			843	115		
9	3	899	119			954	125			927	122		

CHILD AGE	RAW SCORE	BOYS				GIRLS				TOTAL			
		EVER IN SCHOOL		NEVER IN SCHOOL		EVER IN SCHOOL		NEVER IN SCHOOL		EVER IN SCHOOL		NEVER IN SCHOOL	
		PERCENTILE	STANDARD	PERCENTILE	STANDARD	PERCENTILE	STANDARD	PERCENTILE	STANDARD	PERCENTILE	STANDARD	PERCENTILE	STANDARD
9	4	957	126			982	131			969	128		
9	5	984	132			996	139			990	135		
9	6	997	141			996	139			999	145		
10	0	257	90			339	94			299	92		
10	1	630	105			774	111			703	108		
10	2	804	113			901	119			853	116		
10	3	895	119			957	126			927	122		
10	4	948	124			988	134			968	128		
10	5	982	131			996	140			989	134		
10	6	999	145			999	146			999	146		
11	0	260	90			339	94			296	92		
11	1	625	105			763	111			689	107		
11	2	787	112			898	119			837	115		
11	3	881	118			964	127			918	121		
11	4	940	123			984	132			959	126		
11	5	978	130			994	138			985	133		
11	6	998	142			994	138			999	145		
12	0	282	91			338	94			311	93		
12	1	653	106			769	111			713	108		
12	2	799	113			912	120			858	116		
12	3	888	118			970	128			930	122		
12	4	943	124			987	133			966	127		
12	5	984	132			997	141			990	135		
13	0	268	91			335	94			299	92		
13	1	644	106			755	110			696	108		
13	2	804	113			884	118			841	115		
13	3	889	118			947	124			916	121		
13	4	951	125			983	132			966	127		
13	5	988	134			999	145			993	137		
14	0	287	92			324	93			305	92		
14	1	670	107			732	109			699	108		
14	2	825	114			867	117			844	115		
14	3	910	120			941	123			925	122		
14	4	960	126			973	129			966	127		
14	5	992	136			992	136			992	136		
15	0	313	93			336	94			324	93		
15	1	710	108			750	110			729	109		
15	2	833	114			870	117			850	116		
15	3	901	119			934	123			917	121		
15	4	955	125			972	129			963	127		
15	5	990	135			993	137			992	136		

Appendix D3. Behavioral Problems Index - Dependent Subscale: Raw, Percentile, and Standard Scores by Age and Sex of Child

CHILD AGE	RAW SCORE	BOYS		GIRLS		TOTAL	
		PERCENTILE	STANDARD	PERCENTILE	STANDARD	PERCENTILE	STANDARD
4	0	188	87	196	87	192	87
4	1	508	100	510	100	508	100
4	2	737	109	745	110	740	110
4	3	901	119	904	120	903	119
4	4	985	132	974	129	980	131
5	0	192	87	180	86	186	87
5	1	514	101	506	100	510	100
5	2	749	110	763	111	756	110
5	3	900	119	919	121	909	120
5	4	973	129	982	131	978	130
6	0	225	89	210	88	218	88
6	1	579	103	550	102	564	102
6	2	783	112	770	111	776	111
6	3	907	120	912	120	910	120
6	4	978	130	982	131	980	131
7	0	234	89	236	89	235	89
7	1	589	103	600	104	594	104
7	2	795	112	800	113	798	112
7	3	917	121	921	121	920	121
7	4	978	130	985	132	980	131
8	0	267	91	242	90	255	90
8	1	665	106	614	104	639	105
8	2	854	116	814	113	833	115
8	3	933	122	925	122	928	122
8	4	977	130	983	132	980	131
9	0	261	90	261	90	261	90
9	1	656	106	639	105	647	106
9	2	848	115	830	114	839	115
9	3	938	123	943	124	940	123
9	4	985	133	990	135	987	133
10	0	299	92	297	92	298	92
10	1	711	108	683	107	697	108
10	2	868	117	840	115	854	116
10	3	945	124	935	123	940	123
10	4	989	134	982	131	985	133
11	0	289	92	290	92	289	92
11	1	692	108	698	108	694	108
11	2	865	117	870	117	867	117
11	3	953	125	951	125	952	125
11	4	990	135	990	135	990	135

Appendix D4. Behavioral Problems Index - Headstrong Subscale: Raw, Percentile, and Standard Scores by Age and Sex of Child

CHILD AGE	RAW SCORE	BOYS		GIRLS		TOTAL	
		PERCENTILE	STANDARD	PERCENTILE	STANDARD	PERCENTILE	STANDARD
4	0	118	82	132	83	125	83
4	1	320	93	359	95	339	94
4	2	471	99	533	101	501	100
4	3	618	104	689	107	653	106
4	4	797	112	852	116	823	114
4	5	947	124	969	128	958	126
5	0	104	81	130	83	118	82
5	1	287	92	346	94	318	93
5	2	454	98	508	100	482	99
5	3	615	104	668	106	642	105
5	4	781	112	815	113	798	112
5	5	936	123	940	123	938	123
6	0	110	82	121	82	115	82
6	1	293	92	329	93	311	93
6	2	453	98	510	100	480	99
6	3	613	104	696	108	654	106
6	4	778	111	852	116	815	113
6	5	934	123	957	126	945	124
7	0	111	82	118	82	114	82
7	1	324	93	365	95	344	94
7	2	506	100	579	103	542	102
7	3	650	106	726	109	687	107
7	4	786	112	860	116	822	114
7	5	929	122	967	128	948	124
8	0	115	82	137	84	126	83
8	1	339	94	380	95	359	95
8	2	533	101	574	103	554	102
8	3	688	107	727	109	707	108
8	4	823	114	855	116	840	115
8	5	943	124	960	126	952	125
9	0	112	82	161	85	137	84
9	1	328	93	421	97	375	95
9	2	503	100	589	103	546	102
9	3	653	106	744	110	698	108
9	4	803	113	885	118	844	115
9	5	938	123	970	128	954	125
10	0	112	82	154	85	133	83

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CHILD AGE	RAW SCORE	BOYS		GIRLS		TOTAL	
		PERCENTILE	STANDARD	PERCENTILE	STANDARD	PERCENTILE	STANDARD
10	1	344	94	436	98	390	96
10	2	535	101	640	105	588	103
10	3	682	107	772	111	728	109
10	4	829	114	880	118	855	116
10	5	951	125	965	127	958	126
11	0	123	83	152	85	136	83
11	1	348	94	406	96	374	95
11	2	523	101	602	104	559	102
11	3	673	107	763	111	714	108
11	4	823	114	874	117	847	115
11	5	948	124	960	126	953	125
12	0	148	84	180	86	165	85
12	1	393	96	450	98	422	97
12	2	568	103	625	105	598	104
12	3	711	108	780	112	747	110
12	4	844	115	898	119	872	117
12	5	957	126	973	129	965	127
13	0	124	83	175	86	148	84
13	1	340	94	441	98	392	96
13	2	545	102	602	104	572	103
13	3	699	108	754	110	724	109
13	4	819	114	885	118	850	116
13	5	940	123	967	128	953	125
14	0	153	85	174	86	163	85
14	1	420	97	441	98	431	97
14	2	591	103	610	104	600	104
14	3	724	109	749	110	736	109
14	4	855	116	866	117	860	116
14	5	954	125	960	126	957	126
15	0	181	86	183	86	181	86
15	1	460	98	452	98	455	98
15	2	631	105	615	104	623	105
15	3	759	111	755	110	757	110
15	4	864	116	873	117	868	117
15	5	957	126	962	127	960	126

Appendix D5. Behavioral Problems Index - Hyperactive Subscale: Raw, Percentile, and Standard Scores by Age and Sex of Child

CHILD AGE	RAW SCORE	BOYS		GIRLS		TOTAL	
		PERCENTILE	STANDARD	PERCENTILE	STANDARD	PERCENTILE	STANDARD
4	0	177	86	192	87	185	87
4	1	455	98	513	100	484	99
4	2	651	106	740	110	694	108
4	3	833	115	884	118	859	116
4	4	958	126	960	126	959	126
4	5	997	141	994	137	995	139
5	0	154	85	190	87	172	86
5	1	407	96	503	100	456	98
5	2	609	104	709	108	660	106
5	3	809	113	843	115	827	114
5	4	938	123	943	124	940	123
5	5	984	132	996	139	990	135
6	0	156	85	212	88	183	86
6	1	421	97	533	101	476	99
6	2	618	104	733	109	674	107
6	3	790	112	872	117	830	114
6	4	919	121	953	125	935	123
6	5	981	131	993	136	987	133
7	0	126	83	209	88	167	85
7	1	366	95	549	102	455	98
7	2	583	103	745	110	663	106
7	3	775	111	873	117	823	114
7	4	902	119	953	125	927	122
7	5	970	128	986	133	978	130
8	0	145	84	198	87	172	86
8	1	393	96	527	101	461	99
8	2	583	103	722	109	653	106
8	3	759	111	843	115	801	113
8	4	904	120	940	123	922	121
8	5	980	131	990	135	985	133
9	0	151	85	204	88	178	86
9	1	413	97	509	100	461	99
9	2	598	104	709	108	654	106
9	3	756	110	861	116	808	113
9	4	902	119	943	124	922	121
9	5	984	132	984	132	984	132
10	0	160	85	216	88	189	87
10	1	421	97	553	102	488	100
10	2	608	104	740	110	675	107
10	3	782	112	868	117	826	114

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CHILD AGE	RAW SCORE	BOYS		GIRLS		TOTAL	
		PERCENTILE	STANDARD	PERCENTILE	STANDARD	PERCENTILE	STANDARD
10	4	912	120	951	125	932	122
10	5	978	130	987	133	982	131
11	0	160	85	230	89	192	87
11	1	423	97	570	103	490	100
11	2	622	105	757	110	684	107
11	3	782	112	883	118	828	114
11	4	890	118	947	124	916	121
11	5	968	128	980	131	974	129
12	0	181	86	245	90	214	88
12	1	455	98	585	103	523	101
12	2	624	105	768	111	699	108
12	3	789	112	900	119	847	115
12	4	913	120	969	128	942	124
12	5	973	129	997	141	985	133
13	0	190	87	248	90	217	88
13	1	472	99	608	104	537	101
13	2	649	106	789	112	715	109
13	3	795	112	893	119	841	115
13	4	901	119	956	126	927	122
13	5	972	129	990	135	980	131
14	0	180	86	253	90	215	88
14	1	472	99	611	104	539	101
14	2	673	107	771	111	720	109
14	3	819	114	871	117	845	115
14	4	918	121	939	123	928	122
14	5	979	130	981	131	980	131
15	0	209	88	266	91	237	89
15	1	525	101	627	105	575	103
15	2	713	108	767	111	738	110
15	3	837	115	855	116	846	115
15	4	923	121	928	122	926	122
15	5	982	131	979	130	980	131

Appendix D6. Behavioral Problems Index - Peer Conflicts/Withdrawn Subscale: Raw, Percentile, and Standard Scores by Age and Sex of Child

CHILD AGE	RAW SCORE	BOYS		GIRLS		TOTAL	
		PERCENTILE	STANDARD	PERCENTILE	STANDARD	PERCENTILE	STANDARD
4	0	420	97	424	97	422	97
4	1	901	119	908	120	904	120
4	2	979	130	984	132	981	131
4	3	997	141	984	132	999	145
5	0	427	97	425	97	427	97
5	1	911	120	898	119	905	120
5	2	981	131	973	129	977	130
5	3	997	141	973	129	999	145
6	0	409	97	429	97	419	97
6	1	879	118	909	120	894	119
6	2	969	128	979	130	973	129
6	3	999	145	999	145	999	145
7	0	408	97	417	97	412	97
7	1	879	118	896	119	887	118
7	2	966	127	977	130	971	128
7	3	994	138	997	141	996	139
8	0	400	96	403	96	402	96
8	1	859	116	860	116	860	116
8	2	946	124	955	125	950	125
8	3	987	133	997	141	992	136
9	0	388	96	415	97	402	96
9	1	838	115	890	118	864	116
9	2	941	123	971	128	956	126
9	3	991	135	997	141	994	138
10	0	403	96	405	96	404	96
10	1	858	116	870	117	864	116
10	2	948	124	959	126	954	125
10	3	994	137	994	138	994	138
11	0	407	96	411	97	409	97
11	1	867	117	877	117	872	117
11	2	950	125	957	126	953	125
11	3	990	135	991	135	990	135
12	0	393	96	432	97	413	97

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CHILD AGE	RAW SCORE	BOYS		GIRLS		TOTAL	
		PERCENTILE	STANDARD	PERCENTILE	STANDARD	PERCENTILE	STANDARD
12	1	849	115	912	120	882	118
12	2	946	124	977	130	962	127
12	3	989	134	997	141	993	137
13	0	414	97	429	97	421	97
13	1	878	117	900	119	889	118
13	2	956	126	965	127	960	126
13	3	992	136	994	137	993	136
14	0	418	97	429	97	423	97
14	1	884	118	909	120	896	119
14	2	953	125	972	129	962	127
14	3	986	133	992	136	989	134
15	0	421	97	427	97	424	97
15	1	893	119	907	120	900	119
15	2	960	126	971	128	966	127
15	3	988	134	992	136	990	135

Appendix D7. Behavioral Problems Index - Total Raw, Percentile, and Standard Scores by Age, Sex, and School Experience of Child

CHILD AGE	RAW SCORE	BOYS				GIRLS				TOTAL			
		EVER IN SCHOOL		NEVER IN SCHOOL		EVER IN SCHOOL		NEVER IN SCHOOL		EVER IN SCHOOL		NEVER IN SCHOOL	
		PERCENTILE	STANDARD	PERCENTILE	STANDARD	PERCENTILE	STANDARD	PERCENTILE	STANDARD	PERCENTILE	STANDARD	PERCENTILE	STANDARD
4	0	59	77	17	68	71	78	66	77	65	77	42	74
4	1	153	85	67	77	165	85	156	85	159	85	112	82
4	2	235	89	134	83	230	89	213	88	233	89	173	86
4	3	317	93	209	88	313	93	271	91	316	93	240	89
4	4	382	95	275	91	387	96	336	94	384	96	306	92
4	5	437	98	342	94	470	99	459	98	453	98	401	96
4	6	481	99	400	96	569	103	549	102	524	101	476	99
4	7	542	102	425	97	647	106	574	103	593	104	501	100
4	8	607	104	450	98	704	108	615	104	654	106	533	101
4	9	651	106	509	100	751	110	656	106	699	108	583	103
4	10	705	108	609	104	801	113	680	107	752	110	645	106
4	11	766	111	709	108	854	116	722	109	808	113	715	109
4	12	811	113	784	112	884	118	779	112	847	115	781	112
4	13	851	116	842	115	906	120	811	113	878	117	827	114
4	14	891	118	892	119	931	122	837	115	911	120	864	116
4	15	920	121	942	124	951	125	869	117	935	123	905	120
4	16	943	124	967	128	965	127	902	119	954	125	935	123
4	17	960	126	976	130	976	130	943	124	968	128	959	126
4	18	968	128	983	132	982	131	975	129	974	129	979	131
4	19	977	130	983	132	986	133	984	132	981	131	983	132
4	20	987	133	983	132	990	135	992	136	988	134	987	133
4	21	993	137	992	136	994	138	992	136	993	137	996	140
4	22	996	140	992	136	996	140	992	136	996	140	996	140
4	23	998	143	992	136	998	143	992	136	998	143	996	140
4	24	998	143	992	136	998	143	992	136	998	143	996	140
4	25	998	143	992	136	998	143	992	136	998	143	996	140
4	26	998	143	992	136	998	143	992	136	998	143	996	140
4	27	998	143			998	143			998	143		
4	28	998	143			998	143			998	143		
5	0	43	74	32	72	51	75	28	71	47	75	30	72
5	1	123	83	113	82	159	85	105	81	142	84	109	81
5	2	181	86	201	87	249	90	174	86	216	88	188	87
5	3	242	90	276	91	326	93	235	89	285	91	257	90
5	4	314	93	351	94	391	96	320	93	354	94	336	94
5	5	370	95	407	96	444	98	375	95	408	97	392	96

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CHILD AGE	RAW SCORE	BOYS				GIRLS				TOTAL			
		EVER IN SCHOOL		NEVER IN SCHOOL		EVER IN SCHOOL		NEVER IN SCHOOL		EVER IN SCHOOL		NEVER IN SCHOOL	
		PERCENTILE	STANDARD	PERCENTILE	STANDARD	PERCENTILE	STANDARD	PERCENTILE	STANDARD	PERCENTILE	STANDARD	PERCENTILE	STANDARD
5	6	426	97	438	98	516	101	438	98	473	99	438	98
5	7	498	100	475	99	585	103	528	101	543	102	500	100
5	8	561	102	525	101	644	106	590	103	604	104	556	102
5	9	616	104	588	103	691	107	646	106	655	106	615	104
5	10	684	107	675	107	733	109	702	108	709	108	687	107
5	11	747	110	750	110	773	111	750	110	761	111	751	110
5	12	790	112	794	112	816	114	792	112	803	113	793	112
5	13	833	114	826	114	855	116	840	115	844	115	832	114
5	14	869	117	851	116	878	117	889	118	873	117	868	117
5	15	895	119	876	117	899	119	917	121	897	119	895	119
5	16	920	121	895	119	926	122	938	123	923	121	915	121
5	17	942	124	925	122	951	125	958	126	947	124	940	123
5	18	959	126	957	126	964	127	979	131	962	127	968	128
5	19	973	129	976	130	975	129	993	137	974	129	984	132
5	20	981	131	988	134	984	132	993	137	982	131	993	137
5	21	986	133	995	138	989	135	993	137	988	134	997	140
5	22	990	135	995	138	993	137	993	137	992	136	997	140
5	23	996	140	995	138	997	140	993	137	997	140	997	140
5	24	996	140	995	138	997	140	993	137	997	140	997	140
5	25	996	140	995	138	997	140	993	137	997	140	997	140
5	26	996	140	995	138	997	140	993	137	997	140	997	140
5	27	996	140			997	140			997	140		
5	28	996	140			997	140			997	140		
6	0	43	74			53	76			48	75		
6	1	126	83			148	84			137	84		
6	2	193	87			222	89			207	88		
6	3	254	90			293	92			274	91		
6	4	323	93			381	95			351	94		
6	5	380	95			465	99			421	97		
6	6	436	98			528	101			482	99		
6	7	500	100			595	104			547	102		
6	8	555	102			650	106			602	104		
6	9	605	104			706	108			654	106		
6	10	652	106			764	111			707	108		
6	11	696	108			795	112			745	110		
6	12	758	110			822	114			788	112		

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CHILD AGE	RAW SCORE	BOYS				GIRLS				TOTAL			
		EVER IN SCHOOL		NEVER IN SCHOOL		EVER IN SCHOOL		NEVER IN SCHOOL		EVER IN SCHOOL		NEVER IN SCHOOL	
		PERCENTILE	STANDARD	PERCENTILE	STANDARD	PERCENTILE	STANDARD	PERCENTILE	STANDARD	PERCENTILE	STANDARD	PERCENTILE	STANDARD
6	13	818	114			852	116			835	115		
6	14	859	116			881	118			870	117		
6	15	890	118			913	120			902	119		
6	16	918	121			940	123			928	122		
6	17	943	124			954	125			949	124		
6	18	952	125			968	128			959	126		
6	19	960	126			975	129			968	128		
6	20	969	128			981	131			976	130		
6	21	975	129			988	134			981	131		
6	22	985	133			991	135			988	134		
6	23	994	138			997	141			996	139		
6	24	994	138			997	141			997	141		
6	25	996	139			997	141			998	143		
6	26	997	141			997	141			998	143		
6	27	999	145			997	141			999	146		
6	28	999	145			997	141			999	146		
7	0	41	74			65	77			53	76		
7	1	117	82			176	86			146	84		
7	2	192	87			267	91			229	89		
7	3	262	90			343	94			301	92		
7	4	330	93			420	97			374	95		
7	5	398	96			497	100			446	98		
7	6	461	99			561	102			510	100		
7	7	522	101			619	105			570	103		
7	8	588	103			669	107			627	105		
7	9	646	106			721	109			683	107		
7	10	688	107			770	111			728	109		
7	11	728	109			808	113			768	111		
7	12	764	111			846	115			805	113		
7	13	800	113			881	118			840	115		
7	14	833	114			909	120			870	117		
7	15	858	116			932	122			894	119		
7	16	882	118			955	125			917	121		
7	17	900	119			975	129			937	123		
7	18	917	121			980	131			948	124		
7	19	936	123			981	131			958	126		

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CHILD AGE	RAW SCORE	BOYS				GIRLS				TOTAL			
		EVER IN SCHOOL		NEVER IN SCHOOL		EVER IN SCHOOL		NEVER IN SCHOOL		EVER IN SCHOOL		NEVER IN SCHOOL	
		PERCENTILE	STANDARD	PERCENTILE	STANDARD	PERCENTILE	STANDARD	PERCENTILE	STANDARD	PERCENTILE	STANDARD	PERCENTILE	STANDARD
7	20	955	125			984	132			969	128		
7	21	967	128			987	133			977	130		
7	22	975	129			992	136			983	132		
7	23	980	131			997	141			988	134		
7	24	987	133			997	141			992	136		
7	25	990	135			999	145			994	137		
7	26	993	136			999	145			996	140		
7	27	996	139			999	145			998	143		
7	28	999	145			999	145			999	146		
8	0	49	75			60	77			54	76		
8	1	135	83			160	85			147	84		
8	2	213	88			245	90			229	89		
8	3	287	92			323	93			305	92		
8	4	357	94			403	96			380	95		
8	5	420	97			500	100			461	99		
8	6	483	99			567	103			526	101		
8	7	550	102			614	104			583	103		
8	8	614	104			663	106			639	105		
8	9	661	106			701	108			681	107		
8	10	701	108			740	110			720	109		
8	11	738	110			781	112			760	111		
8	12	779	112			823	114			801	113		
8	13	817	114			856	116			837	115		
8	14	846	115			878	117			862	116		
8	15	868	117			900	119			885	118		
8	16	901	119			927	122			913	120		
8	17	926	122			949	124			938	123		
8	18	936	123			967	128			952	125		
8	19	950	125			979	130			965	127		
8	20	962	127			989	134			976	130		
8	21	977	130			996	139			986	133		
8	22	988	134			999	145			993	137		
8	23	993	136			999	145			997	140		
8	24	996	139			999	145			998	142		
8	25	997	141			999	145			999	146		
8	26	999	145			999	145			1000	149		

CHILD AGE	RAW SCORE	BOYS				GIRLS				TOTAL			
		EVER IN SCHOOL		NEVER IN SCHOOL		EVER IN SCHOOL		NEVER IN SCHOOL		EVER IN SCHOOL		NEVER IN SCHOOL	
		PERCENTILE	STANDARD	PERCENTILE	STANDARD	PERCENTILE	STANDARD	PERCENTILE	STANDARD	PERCENTILE	STANDARD	PERCENTILE	STANDARD
8	27	999	145			999	145			1000	149		
8	28	999	145			999	145			1000	149		
9	0	46	75			96	80			71	78		
9	1	141	84			223	89			182	86		
9	2	230	89			284	91			257	90		
9	3	309	92			347	94			328	93		
9	4	382	95			427	97			405	96		
9	5	438	98			509	100			473	99		
9	6	477	99			579	103			529	101		
9	7	528	101			640	105			585	103		
9	8	588	103			688	107			638	105		
9	9	631	105			734	109			683	107		
9	10	674	107			777	111			726	109		
9	11	719	109			816	114			767	111		
9	12	772	111			850	116			810	113		
9	13	821	114			874	117			847	115		
9	14	846	115			900	119			873	117		
9	15	875	117			920	121			897	119		
9	16	903	119			933	122			919	121		
9	17	917	121			951	125			935	123		
9	18	932	122			972	129			951	125		
9	19	951	125			985	133			968	128		
9	20	969	128			991	135			980	131		
9	21	982	131			994	138			988	134		
9	22	987	133			997	141			992	136		
9	23	990	135			997	141			993	137		
9	24	993	136			997	141			995	139		
9	25	997	141			999	145			998	142		
9	26	997	141			999	145			998	142		
9	27	997	141			999	145			998	142		
9	28	997	141			999	145			998	142		
10	0	51	75			78	79			65	77		
10	1	147	84			206	88			177	86		
10	2	232	89			297	92			264	91		
10	3	309	92			383	96			346	94		
10	4	389	96			465	99			427	97		

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CHILD AGE	RAW SCORE	BOYS				GIRLS				TOTAL			
		EVER IN SCHOOL		NEVER IN SCHOOL		EVER IN SCHOOL		NEVER IN SCHOOL		EVER IN SCHOOL		NEVER IN SCHOOL	
		PERCENTILE	STANDARD	PERCENTILE	STANDARD	PERCENTILE	STANDARD	PERCENTILE	STANDARD	PERCENTILE	STANDARD	PERCENTILE	STANDARD
10	5	463	99			537	101			501	100		
10	6	524	101			602	104			563	102		
10	7	579	103			662	106			621	105		
10	8	628	105			720	109			674	107		
10	9	677	107			767	111			722	109		
10	10	721	109			799	113			760	111		
10	11	751	110			830	114			790	112		
10	12	783	112			862	116			823	114		
10	13	826	114			882	118			854	116		
10	14	861	116			897	119			879	118		
10	15	889	118			913	120			901	119		
10	16	907	120			932	122			919	121		
10	17	922	121			949	124			936	123		
10	18	933	122			960	126			948	124		
10	19	945	124			969	128			957	126		
10	20	961	126			978	130			970	128		
10	21	974	129			986	133			979	131		
10	22	982	131			991	135			987	133		
10	23	989	134			994	138			991	135		
10	24	993	136			996	140			995	139		
10	25	998	142			998	143			997	141		
10	26	998	142			999	146			1000	149		
10	27	998	142			999	146			1000	149		
10	28	998	142			999	146			1000	149		
11	0	50	75			76	78			62	77		
11	1	135	83			196	87			163	85		
11	2	209	88			289	92			246	90		
11	3	300	92			374	95			333	94		
11	4	387	96			452	98			417	97		
11	5	465	99			545	102			501	100		
11	6	534	101			615	104			571	103		
11	7	592	103			663	106			624	105		
11	8	639	105			700	108			667	106		
11	9	678	107			737	110			705	108		
11	10	717	109			784	112			747	110		
11	11	749	110			821	114			782	112		

CHILD AGE	RAW SCORE	BOYS				GIRLS				TOTAL			
		EVER IN SCHOOL		NEVER IN SCHOOL		EVER IN SCHOOL		NEVER IN SCHOOL		EVER IN SCHOOL		NEVER IN SCHOOL	
		PERCENTILE	STANDARD	PERCENTILE	STANDARD	PERCENTILE	STANDARD	PERCENTILE	STANDARD	PERCENTILE	STANDARD	PERCENTILE	STANDARD
11	12	785	112			860	116			818	114		
11	13	817	114			896	119			853	116		
11	14	847	115			919	121			879	118		
11	15	875	117			938	123			904	120		
11	16	890	118			958	126			921	121		
11	17	904	120			966	127			933	122		
11	18	921	121			969	128			943	124		
11	19	945	124			973	129			957	126		
11	20	964	127			979	131			971	128		
11	21	973	129			984	132			978	130		
11	22	981	131			988	134			984	132		
11	23	987	133			993	136			988	134		
11	24	993	136			997	141			995	138		
11	25	997	140			997	141			998	142		
11	26	998	143			997	141			999	146		
11	27	1000	149			997	141			1000	149		
11	28	1000	149			997	141			1000	149		
12	0	79	79			99	81			89	80		
12	1	210	88			253	90			232	89		
12	2	295	92			355	94			326	93		
12	3	358	95			439	98			400	96		
12	4	431	97			518	101			477	99		
12	5	516	101			603	104			561	102		
12	6	586	103			687	107			638	105		
12	7	643	105			748	110			697	108		
12	8	690	107			787	112			740	110		
12	9	727	109			827	114			779	112		
12	10	764	111			874	117			821	114		
12	11	810	113			915	121			864	116		
12	12	844	115			938	123			893	119		
12	13	871	117			949	125			912	120		
12	14	900	119			960	126			931	122		
12	15	916	121			972	129			945	124		
12	16	928	122			983	132			957	126		
12	17	943	124			992	136			968	128		
12	18	959	126			995	139			978	130		

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CHILD AGE	RAW SCORE	BOYS				GIRLS				TOTAL			
		EVER IN SCHOOL		NEVER IN SCHOOL		EVER IN SCHOOL		NEVER IN SCHOOL		EVER IN SCHOOL		NEVER IN SCHOOL	
		PERCENTILE	STANDARD	PERCENTILE	STANDARD	PERCENTILE	STANDARD	PERCENTILE	STANDARD	PERCENTILE	STANDARD	PERCENTILE	STANDARD
12	19	975	129			998	142			987	133		
12	20	990	135			998	142			995	138		
12	21	997	140			998	142			998	142		
12	22	999	145			998	142			1000	149		
12	23	999	145			998	142			1000	149		
13	0	63	77			102	81			82	79		
13	1	181	86			252	90			215	88		
13	2	267	91			348	94			306	92		
13	3	361	95			426	97			392	96		
13	4	459	98			508	100			482	99		
13	5	523	101			601	104			559	102		
13	6	591	103			668	107			628	105		
13	7	655	106			730	109			690	107		
13	8	697	108			786	112			739	110		
13	9	739	110			826	114			780	112		
13	10	783	112			857	116			819	114		
13	11	814	113			883	118			847	115		
13	12	837	115			903	119			867	117		
13	13	859	116			918	121			888	118		
13	14	882	118			935	123			906	120		
13	15	902	119			949	124			924	121		
13	16	920	121			961	126			939	123		
13	17	946	124			971	128			958	126		
13	18	966	127			982	131			974	129		
13	19	979	131			990	135			984	132		
13	20	987	133			997	140			992	136		
13	21	994	137			999	145			997	140		
13	22	998	143			999	145			999	146		
13	23	999	146			999	145			1000	149		
14	0	90	80			100	81			94	80		
14	1	228	89			247	90			237	89		
14	2	324	93			351	94			337	94		
14	3	404	96			460	98			431	97		
14	4	474	99			533	101			502	100		
14	5	549	102			582	103			565	102		
14	6	620	105			644	106			631	105		

CHILD AGE	RAW SCORE	BOYS				GIRLS				TOTAL			
		EVER IN SCHOOL		NEVER IN SCHOOL		EVER IN SCHOOL		NEVER IN SCHOOL		EVER IN SCHOOL		NEVER IN SCHOOL	
		PERCENTILE	STANDARD	PERCENTILE	STANDARD	PERCENTILE	STANDARD	PERCENTILE	STANDARD	PERCENTILE	STANDARD	PERCENTILE	STANDARD
14	7	676	107			715	108			694	108		
14	8	722	109			771	111			746	110		
14	9	773	111			809	113			791	112		
14	10	810	113			839	115			825	114		
14	11	840	115			865	117			852	116		
14	12	866	117			888	118			876	117		
14	13	891	118			904	120			897	119		
14	14	920	121			920	121			921	121		
14	15	941	123			939	123			939	123		
14	16	957	126			956	126			957	126		
14	17	969	128			968	128			968	128		
14	18	977	130			975	129			976	130		
14	19	982	131			985	133			984	132		
14	20	986	133			995	138			991	135		
14	21	989	134			999	146			994	137		
14	22	992	136			999	146			996	139		
14	23	997	140			999	146			999	145		
15	0	97	80			104	81			100	81		
15	1	248	90			274	91			260	90		
15	2	345	94			394	96			368	95		
15	3	443	98			483	99			463	99		
15	4	543	102			562	102			552	102		
15	5	618	104			630	105			624	105		
15	6	674	107			678	107			676	107		
15	7	720	109			717	109			719	109		
15	8	763	111			754	110			759	111		
15	9	801	113			794	112			798	112		
15	10	828	114			826	114			827	114		
15	11	853	116			853	116			853	116		
15	12	882	118			878	117			880	118		
15	13	904	120			899	119			901	119		
15	14	917	121			918	121			918	121		
15	15	934	123			933	122			934	123		
15	16	949	124			945	124			948	124		
15	17	967	127			959	126			963	127		
15	18	981	131			973	129			977	130		
15	19	985	133			981	131			983	132		
15	20	988	134			987	133			988	134		
15	21	994	137			993	136			994	137		
15	22	996	140			998	142			997	140		
15	23	999	146			998	142			1000	149		