
Internal Review

Project Director

Technical Reviewer

Management Reviewer

EXHIBIT 4.2			
(CONTINUED)			
OUTCOME MEASURE	TYPE OF ANALYSIS	SIGNIFICANCE OF TREATMENT EFFECT ON:	
		LEVEL OF PERFORMANCE	RATE OF GROWTH (SLOPE)
Dependence on Public Assistance			
Family on AFDC	longitudinal analysis: ^a nonlinear growth curve	p=.887	p=.975
Level of family reliance on AFDC (low score = greater reliance)	longitudinal analysis: ^b growth curve	p=.622	p=.928
Family on AFDC continuously (life of study)	cross-sectional analysis: ^c OLS regression	p=.308	N/A
Family receiving food stamps	longitudinal analysis: ^a nonlinear growth curve	p=.531	p=.037
% time family received food stamps (life of study)	cross-sectional analysis: ^c OLS regression	p=.478	N/A
Steps to Employment			
Mother enrolled in academic, vocational or job training program	longitudinal analysis: ^a nonlinear growth curve	p=.100	p=.0001
Mothers had a high school diploma, vocational certificate, or GED	cross-sectional analysis: ^c OLS regression	p=.065	N/A
Mother had some college	cross-sectional analysis: ^c OLS regression	p=.148	N/A
Mother had a college degree	cross-sectional analysis: ^c OLS regression	p=.782	N/A

^a Longitudinal analysis for this variable used hierarchical nonlinear models to test for the difference between group logits (outcome **level** at 60 months) and between group slopes (**rate of growth** over multiple time points); these differences were adjusted for a set of baseline covariates used in all impact analyses.

^b Longitudinal analysis for this variable used hierarchical linear models to test for the difference between group means (outcome **level** at 60 months) and between group slopes (**rate of growth** over multiple time points); these differences were adjusted for a set of baseline covariates used in all impact analyses.

^c Cross-sectional analysis for this variable used two-tailed large-sample z-tests of the difference between estimated group means for continuous variables and between estimated group logits for binary variables.

EXHIBIT 4.3						
ECONOMIC SELF-SUFFICIENCY DESCRIPTIVE STATISTICS, AT LAST INTERVIEW						
FOR CCDP AND CONTROL GROUP FAMILIES						
OUTCOME MEASURE	CCDP			CONTROL		
	N	MEAN^A	SD	N	MEAN^A	SD
Employment						
Mother employed	1979	40%	48	1977	41%	48
Family in which husband/partner employed	1973	34%	44	1971	33%	44
Family in which mother or husband/partner was employd	1971	57%	47	1968	58%	47
Months mother worked in prior quarter	1913	41%	43	1928	42%	43
Nature of jobs worked by mother	1915	.95	1.26	1929	.95	1.27
# hours/wk worked (all mothers)	1915	14.23	18.34	1929	14.37	18.16
# hours/wk worked (working mothers)	779	34.97	11.33	794	34.91	11.02
Time mother employed (over life of study)	1333	33%	31	1519	31%	31
Time husband/partner employed (over life of study)	1235	30%	31	1449	28%	31
Time mother or husb/part emplyd (over life of study)	1229	50%	33	1441	48%	34
Mother continuously employed (over life of study)	1333	6%	22	1519	6%	23
Income						
Total household income	1812	\$12,005	\$9,495	1810	\$11,614	\$9,168
Mother's weekly wage (all mothers)	1915	\$93	\$140	1919	\$94	\$138
Mother's weekly wage (working mothers)	730	\$245	\$122	756	\$239	\$120
Dependence on Public Assistance						
Family on AFDC	1963	53%	48	1969	50%	48
Level of family reliance on AFDC (lo score = great rel)	1960	1.92	.96	1963	1.94	.97
Family on AFDC continuously (life of study)	1341	26%	40	1525	24%	39
Family receiving food stamps	1912	68%	45	1929	68%	46
% time family received food stamps (over life of study)	1332	68%	33	1513	68%	34
Steps to Employment						
Mother enrolled in academic, voc or job training prog	1911	26%	43	1929	22%	41
Mother had a hs diploma, voc certificate, or GED	1916	71%	44	1930	69%	44
Mother had some college	1916	22%	40	1932	20%	39
Mother had a college degree	1698	7%	24	1695	6%	24

^a Estimated means were based on data collected at the last interview for each family.

EXHIBIT 4.22			
SUMMARY OF CCDP'S EFFECTS ON PARENTING			
OUTCOME MEASURE	TYPE OF ANALYSIS	SIGNIFICANCE OF TREATMENT EFFECT ON:	
		LEVEL OF PERFORMANCE	RATE OF GROWTH (SLOPE)
Parenting Attitudes and Beliefs (AAPI) (2-5 years)			
Inappropriate expectations for child (raw score)	longitudinal analysis: ^a growth curve	p=.805	p=.790
Lack of empathy for child's needs (raw score)	longitudinal analysis: ^a growth curve	p=.743	p=.090
Belief in value of corporal punishment (raw score)	longitudinal analysis: ^a growth curve	p=.050	p=.431
Role reversal (raw score)	longitudinal analysis: ^a growth curve	p=.833	p=.306
Home Environment (raw score) (4 years)	cross-sectional analysis: ^b OLS regression	p=.145	NA
Parent-Child Interaction (NCATS Teaching Scale) (3 years)			
Mother's sensitivity to child's cues (raw score)	cross-sectional analysis: ^b OLS regression	p=.926	NA
Mother's response to child's distress (raw score)	cross-sectional analysis: ^b OLS regression	p=.599	NA
Mother fosters child's social-emotional growth (raw score)	cross-sectional analysis: ^b OLS regression	p=.885	NA
Mother fosters child's of cognitive growth (raw score)	cross-sectional analysis: ^b OLS regression	p=.331	NA
Total for mother (raw score)	cross-sectional analysis: ^b OLS regression	p=.642	NA
Total for child (combined raw scores for two subscales)	cross-sectional analysis: ^b OLS regression	p=.917	NA
Mother's Pregnancy Behaviors For All Children Born Subsequent to Focus Child			
Mother received late prenatal care	cross-sectional analysis: ^b logistic regression	p=.765	NA
Mother smoked cigarettes	cross-sectional analysis: ^b logistic regression	p=.744	NA
Mother used alcohol	cross-sectional analysis: ^b logistic regression	p=.205	NA
Mother used illegal drugs	cross-sectional analysis: ^b logistic regression	p=.755	NA

^a Longitudinal analysis for this variable used hierarchical linear models to test for the difference between group means (outcome **level** at 60 months) and between group slopes (**rate of growth** over multiple time points); these differences were adjusted for a set of baseline covariates used in all impact analyses.

^b Cross-sectional analysis for this variable used two-tailed large-sample z-tests of the difference between estimated group means for continuous variables and between estimated group logits for binary variables.

EXHIBIT 4.23						
PARENTING DESCRIPTIVE STATISTICS, FOR CCDP AND CONTROL GROUP FAMILIES						
OUTCOME MEASURE	AGE 3 YEARS		AGE 4 YEARS		AGE 5 YEARS	
	CCDP	CONTROL	CCDP	CONTROL	CCDP	CONTROL
Parenting Attitudes and Beliefs (AAPI, 36-60 months)^a	n=1443	n=1432	n=1291	n=1287	n=1507	n=1544
Inappropriate expectations for child						
Mean raw score	22.45	22.47	23.12	23.08	23.54	23.36
Standard deviation	2.93	2.97	3.06	3.02	2.92	2.86
Lack of empathy for child's needs						
Mean raw score	30.18	29.92	30.39	30.33	30.94	30.48
Standard deviation	4.84	4.88	4.86	4.79	4.59	4.63
Belief in value of corporal punishment						
Mean raw score	34.62	34.12	34.72	34.17	34.88	34.23
Standard deviation	5.42	5.36	5.36	5.41	5.39	5.36
Role reversal						
Mean raw score	29.30	29.27	29.69	29.86	30.55	30.27
Standard deviation	5.46	5.66	5.69	5.49	5.18	5.32
Home Environment (HOME, 48 months)^b			n=1321	n=1423		
Mean score	NA	NA	32.55	33.03	NA	NA
Standard deviation			9.46	9.45		
Parent-Child Interaction (NCAST Teaching Scale, 36 months)^c	n=1369	n=1430				
Mother's sensitivity to child's cues						
Mean raw score	9.22	9.22	NA	NA	NA	NA
Standard deviation	1.30	1.37				
Mother's response to child's distress						
Mean raw score	10.37	10.34	NA	NA	NA	NA
Standard deviation	1.54	1.58				
Mother fosters child's social-emotional growth						
Mean raw score	8.36	8.35	NA	NA	NA	NA
Standard deviation	1.79	1.86				
Mother fosters child's cognitive growth						
Mean raw score	12.23	12.33	NA	NA	NA	NA
Standard deviation	2.93	3.04				
Total for mother						
Mean raw score	40.20	40.30	NA	NA	NA	NA
Standard deviation	5.59	6.05				
Total for child						
Mean raw score	14.66	14.65	NA	NA	NA	NA
Standard deviation	3.33	3.53				

^a For the AAPI, high scores indicate less abusive attitudes.

^b For the HOME, high scores indicate a more supportive home environment.

^c For the NCAST, high scores indicate more appropriate parent-child behaviors.

EXHIBIT 4.24		
SUMMARY OF CCDP'S EFFECTS ON MOTHER'S PREGNANCY BEHAVIORS FOR ALL CHILDREN BORN SUBSEQUENT TO THE FOCUS CHILD		
OUTCOME MEASURE	CCDP	CONTROL
Mother received late prenatal care		
N	1084	1106
Mean	25%	25%
Standard Deviation	43	42
Mother smoked cigarettes		
N	1080	1112
Mean	28%	29%
Standard Deviation	43	43
Mother used alcohol		
N	861	887
Mean	13%	15%
Standard Deviation	32	33
Mother used illegal drugs		
N	839	858
Mean	3%	3%
Standard Deviation	13	10

EXHIBIT 4.25												
MEAN SCORES ON THE ADULT ADOLESCENT PARENTING INVENTORY FOR POOLED CCDP AND CONTROL GROUP MOTHERS AND NORMING SAMPLES, BY ETHNICITY ^a												
AAPI SUBSCALE	WHITE CCDP AND CONTROL GROUP MOTHERS (N=1015)		NORMING SAMPLE				BLACK CCDP AND CONTROL GROUP MOTHERS (N=1636)		NORMING SAMPLE			
			NON-ABUSIVE WHITE FEMALES		ABUSIVE WHITE FEMALES				NON-ABUSIVE BLACK FEMALES		ABUSIVE BLACK FEMALES	
		S.D.		S.D.		S.D.		S.D.		S.D.		S.D.
Inappropriate expectations for child	24.50	3.15	24.07	3.73	23.56	3.43	23.14	2.97	23.25	3.80	22.91	4.17
Lack of empathy for child's needs	33.04	4.68	33.72	4.36	30.43	5.56	30.19	4.91	32.78	4.53	28.36	5.43
Belief in value of corporal punishment	36.77	5.62	36.68	6.67	35.59	5.87	33.17	5.69	34.59	6.73	33.40	6.47
Role reversal	33.23	5.06	30.60	5.58	28.76	6.02	29.61	5.43	28.89	5.86	25.08	7.08

^a AAPI scores are based on the last interview for each family in the analytic sample, and data were pooled across CCDP and control families. Means for Hispanic mothers are not given since they were not represented in the norming samples.

EXHIBIT 4.26				
MEAN SCORES ON THE NURSING CHILD ASSESSMENT TEACHING SCALES FOR NORMING SAMPLES OF LOW EDUCATION AND HIGH EDUCATION MOTHERS^a				
NCATS SCALES	NORMING SAMPLE			
	LOW EDUCATION MOTHERS N = 160		HIGH EDUCATION MOTHERS N = 469	
	Mean	S.D.	Mean	S.D.
Mother				
Mother's sensitivity to child's cues	8.56	1.90	9.16	1.62
Mother's response to child's distress	9.96	1.88	10.04	1.78
Mother fosters child's social emotional growth	8.27	2.06	8.99	1.83
Mother fosters child's cognitive growth	10.95	3.68	12.51	3.39
Mother total score	37.74	7.43	40.69	6.85
Child				
Child total score	14.53	4.85	15.44	4.29

^a Mothers in the norming sample are 19 to 25 years of age; low-education mothers had less than 12 years of education; high-education mothers had 12 or more years of education.

EXHIBIT 5.9 CHILD BEHAVIOR CHECKLIST NORMALIZED T-SCORES AT 2, 3, 4, AND 5 YEARS OF AGE, FOR CCDDP AND CONTROL GROUP CHILDREN									
OUTCOME MEASURE	AGE 2 YEARS		AGE 3 YEARS		AGE 4 YEARS		AGE 5 YEARS		CONTROL (N=1530)
	CCDDP (N=1456)	CONTROL (N=1566)	CCDDP (N=1440)	CONTROL (N=1415)	CCDDP (N=1282)	CONTROL (N=1252)	CCDDP (N=1489)	CONTROL (N=1530)	
Total Score^a									
Average score ^b	55.94	55.82	53.66	53.69	52.51	52.94	50.55	50.84	
Standard deviation	9.91	9.68	10.66	10.49	10.45	10.20	10.87	10.50	
% children in clinical range ^c	24.7%	23.2%	20.0%	19.8 %	17.6%	19.2%	15.4%	16.7%	
Externalizing Score									
Average score ^b	53.05	53.39	53.05	53.39	53.32	53.89	51.44	51.54	
Standard deviation	10.22	10.20	10.22	10.20	10.16	9.80	10.60	10.16	
% children in clinical range ^c	14.9%	15.5%	14.9%	15.5%	18.3%	18.8%	16.3%	15.9%	
Internalizing Score									
Average score ^b	53.57	53.02	53.57	53.02	48.66	48.68	47.54	47.98	
Standard deviation	10.75	10.35	10.75	10.35	9.70	9.52	9.67	9.49	
% children in clinical range ^c	21.5%	19.3%	21.5%	19.3%	8.2%	8.1%	7.5%	8.2%	

a Total Score includes items that are not part of either the Externalizing or the Internalizing subscales.

b Normalized T-score based on the cumulative frequency distribution of raw scores in the norming sample; mean=50 and standard deviation=10.

c The clinical range identifies children who exhibit more problems than the 90th percentile of scores in a nonclinical sample.

EXHIBIT 5.12		
BIRTH OUTCOMES FOR YOUNGER SIBLINGS IN CCDP AND CONTROL FAMILIES		
BIRTH OUTCOMES	CCDP (N=1076)	CONTROL (N=1108)
Low Birth Weight (< 2,500 grams)		
% children with low birth weight	10.2%	10.3%
Premature Birth (< 37 weeks)		
% children born premature	9.8%	11.1%
Use of Special Care Nursery		
% children receiving any care in special care nursery	16.9%	20.4%
Time in Special Care Nursery		
Mean number nights in special care	2.29	2.42
Standard deviation	7.39	8.43

EXHIBIT 6.1									
DESCRIPTIVE STATISTICS ON SELECTED BASELINE VARIABLES, BY PROJECT									
SITE ID	% AFRICAN-AMER. FAMILY	% HISPANIC FAMILIES	% PARTNER IN HOME	% MOTHERS W/HIGH SCHOOL DEGREE	% MOTHERS WORKING	% TEENS AT BIRTH OF FIRST CHILD	% LOW BIRTH WGT.	ANNUAL PP INCOME (\$)	% MOTHERS DEPRESSED
01	69	24	15	50	8	32	12	1,891	49
02	3	0	59	50	11	26	6	2,390	45
03	85	15	29	41	5	36	10	1,072	49
05	99	0	17	41	8	45	11	1,752	44
06	70	0	26	71	9	38	13	1,559	35
07	64	0	22	48	16	40	14	1,278	49
08	73	0	30	59	24	39	11	1,331	42
09	67	6	35	51	8	46	13	1,802	47
10	0	2	63	62	29	23	5	2,257	47
11	97	0	13	48	20	58	17	1,358	54
12	11	69	50	63	34	29	4	1,648	36
13	2	84	78	47	27	22	8	2,673	44
14	0	100	54	25	6	43	10	1,110	44
15	48	32	37	38	18	48	11	1,415	42
16	1	1	71	71	27	19	4	2,569	27
17	63	8	33	59	19	37	6	1,706	47
18	65	27	12	43	4	42	14	1,408	42
19	0	8	74	62	28	22	4	2,158	49
20	16	60	31	21	7	41	9	1,614	49
21	16	71	57	36	20	21	5	2,293	36
22	11	3	39	54	11	30	7	2,105	39
Total	43	26	38	49	15	36	10	1,780	43

EXHIBIT 6.2 ^a											
P-LEVELS FOR SITE-LEVEL IMPACT ESTIMATES, BY OUTCOME DOMAIN AND MEASURE											
OUTCOME DOMAIN/MEASURE	SITE										
	DO SITES VARY?	1	2	3	5	6	7	8	10	11	12
CHILD COGNITIVE DEVELOPMENT											
PPVT Total	p=.01	-0.013	0.009	-0.209	-0.473	0.902	0.780	-0.139	-0.404	-0.397	-0.710
K-ABC Achievement	p=.07	-0.056	0.029	-0.178	-0.497	0.412	0.924	-0.898	0.836	-0.370	0.289
K-ABC Mental Processing	p=.04	-0.250	0.219	-0.712	-0.169	0.620	0.315	-0.144	-0.526	-0.069	0.324
CHILD SOCIO-EMOTIONAL DEVELOPMENT											
CBCL Externalizing	p=.80	-0.189	0.830	-0.348	-0.386	-0.973	-0.931	-0.788	0.233	-0.734	0.631
CBCL Internalizing	p=.18	-0.026	-0.791	0.485	-0.432	0.531	0.735	-0.845	-0.953	0.448	0.701
Adaptive Social Behavior Total	p=.03	-0.602	0.232	-0.109	-0.529	0.600	0.306	-0.314	-0.862	-0.366	0.973
Developmental Checklist	p=.25	-0.606	0.256	0.767	-0.059	0.099	0.554	0.704	0.589	-0.116	0.592
CHILD HEALTH											
Low Birth Weight	p=.15	-0.852	0.458	-0.448	0.801	-0.101	0.546	-0.673	-0.282	0.039	-0.070
Premature Delivery	p=.09	0.443	0.226	0.448	-0.800	0.699	0.299	-0.632	-0.155	0.009	-0.171
Nights of Special Care	p=.22	0.517	0.252	0.801	0.088	0.503	-0.093	-0.442	-0.326	0.049	-0.312
Preventive Dental Care	p=.78	0.151	0.683	-0.621	0.523	0.769	0.391	0.610	-0.109	0.807	0.757
Preventive Health Care	p=.0004	0.568	0.204	-0.078	-0.225	-0.685	-0.585	0.004	-0.559	0.879	0.569
EMPLOYMENT											
Mother or Partner Employed	p=.78	0.975	0.195	-0.250	-0.230	0.253	-0.551	-0.065	0.185	-0.787	-0.217
% Time Mother Worked Last Quarter	p=.98	0.810	-0.879	-0.697	-0.090	0.421	-0.881	-0.378	0.821	-0.386	0.864
N of Jobs Mother Worked	p=.81	0.491	0.968	-0.516	-0.068	0.557	-0.642	-0.534	-0.730	-0.330	0.682
N of Hours Mother Worked Per Week	p=.81	0.727	-0.784	-0.510	-0.111	0.414	-0.898	-0.602	-0.949	-0.169	0.652
% Time Mother or Partner Employed	p=.001	0.191	0.002	-0.007	-0.711	0.443	-0.290	-0.047	-0.808	-0.740	-0.436
% Mothers Employed Continuously	p=.47	0.919	0.478	-0.158	-0.510	-0.217	-0.142	-0.645	0.910	-0.492	0.227
INCOME											
Household Income	p=.05	0.007	0.055	-0.097	-0.003	0.484	0.112	-0.698	-0.392	-0.895	0.227
Mother's Weekly Wages	p=.64	0.718	0.360	-0.594	-0.040	0.518	-0.340	-0.808	-0.469	-0.175	0.880
Mother on AFDC at End of Study	p=.49	0.741	0.021	-0.141	-0.070	0.125	-0.407	-0.309	-0.684	-0.204	-0.200
% Time Family on Food Stamps	p=.04	-0.969	0.009	-0.028	-0.013	0.604	-0.072	-0.253	-0.874	-0.454	0.185
EDUCATION & TRAINING											
% Mothers in Academic, Voc, Job Train	p=.10	0.727	0.852	0.817	0.379	0.371	0.225	-0.629	0.065	-0.283	0.654
% Mothers w/GED, High Sch, Voc	p=.42	0.062	0.306	0.509	0.144	-0.891	-0.678	0.897	0.558	-0.124	0.047
% Mothers w/Some College	p=.71	0.028	0.318	-0.500	-0.339	0.385	-0.365	-0.154	0.358	-0.959	0.687
PARENTING											
NCAST Child Total	p=.79	0.441	0.921	0.438	-0.180	0.924	-0.035	-0.980	-0.707	-0.700	-0.527
NCAST Parent Total	p=.49	-0.132	0.180	-0.622	0.989	-0.250	-0.170	-0.032	0.871	-0.304	0.858
AAPI Empathetic Awareness	p=.07	0.673	0.046	-0.928	-0.443	-0.322	0.254	-0.102	0.865	-0.144	0.108
AAPI Appropriate Punishment	p=.28	0.414	0.646	0.517	-0.399	-0.228	0.052	-0.050	0.128	-0.272	0.035
AAPI Appropriate Expectations	p=.26	-0.450	0.026	-0.182	0.762	0.394	-0.043	0.787	0.639	-0.056	0.579
AAPI Appropriate Roles	p=.81	-0.922	0.080	-0.941	0.876	-0.608	-0.530	0.796	0.800	-0.169	0.725
HOME Scale Total	p=.001	0.415	0.797	0.374	-0.475	0.755	0.117	0.770	0.447	-0.013	-0.136
BIRTH OUTCOMES											
Late Prenatal Care	p=.01	0.041	0.608	0.267	-0.615	-0.601	0.007	0.167	0.529	0.946	-0.163
N of Birth Risk Indicators	p=.21	0.296	0.514	0.691	0.185	-0.414	0.225	0.931	-0.227	0.330	0.652
N of Births After Focus Child	p=.87	-0.655	0.604	0.959	-0.794	0.477	-0.331	-0.386	0.100	-0.339	-0.953
Birth Spacing	p=.92	-0.414	0.393	-0.582	0.962	0.509	-0.348	0.502	0.563	-0.653	-0.787

EXHIBIT 6.2 P-LEVELS FOR SITE-LEVEL IMPACT ESTIMATES, BY OUTCOME DOMAIN AND MEASURE										
OUTCOME DOMAIN/MEASURE	SITE									
	13	14	15	16	17	18	19	20	21	22
CHILD COGNITIVE DEVELOPMENT										
PPVT Total	0.655	0.999	0.891	0.107	0.396	0.842	0.176	0.049	0.991	0.001
K-ABC Achievement	0.021	-0.847	0.365	0.277	0.432	0.787	0.287	0.093	0.540	0.020
K-ABC Mental Processing	0.04	0.626	0.147	0.723	-0.434	0.775	0.019	0.280	0.999	0.016
CHILD SOCIO-EMOTIONAL DEVELOPMENT										
CBCL Externalizing	0.331	0.216	0.220	0.107	-0.377	0.665	0.389	0.815	-0.765	0.394
CBCL Internalizing	0.028	0.022	0.907	0.017	-0.470	0.367	0.545	-0.893	-0.248	0.579
Adaptive Social Behavior Total	0.348	0.267	0.007	0.002	-0.383	-0.872	-0.227	0.414	0.671	0.271
Developmental Checklist	0.032	0.858	0.107	0.120	0.230	0.473	-0.596	0.253	0.253	0.250
CHILD HEALTH										
Low Birth Weight	-0.091	0.411	0.430	-0.726	0.550	-0.340	-0.200	0.686	0.092	-0.434
Premature Delivery	-0.052	0.12	-0.695	0.195	0.393	-0.387	-0.088	-0.929	0.484	-0.670
Nights of Special Care	-0.284	0.357	0.168	-0.684	0.320	0.507	-0.598	-0.346	0.082	-0.997
Preventive Dental Care	0.983	-0.528	0.093	-0.713	-0.037	0.187	-0.904	-0.526	-0.886	-0.381
Preventive Health Care	0.007	-0.16	-0.601	0.954	0.020	0.710	0.974	-0.229	-0.749	0.183
EMPLOYMENT										
Mother or Partner Employed	0.385	0.574	-0.550	-0.082	-0.429	-0.849	-0.518	0.184	0.449	0.824
% Time Mother Worked Last Quarter	-0.554	0.497	-0.783	-0.539	-0.938	-0.955	0.317	0.633	0.214	-0.618
N of Jobs Mother Worked	0.739	0.726	0.949	-0.677	-0.504	-0.537	0.056	0.317	0.108	0.402
N of Hours Mother Worked Per Week	0.996	0.604	-0.759	-0.325	-0.293	-0.686	0.197	0.433	0.054	0.227
% Time Mother or Partner Employed	0.14	0.037	0.058	0.806	-0.259	-0.159	-0.563	0.017	0.592	0.424
% Mothers Employed Continuously	0.206	0.282	0.378	0.948	0.846	0.378	0.929	0.539	0.389	-0.247
INCOME										
Household Income	0.294	0.392	0.990	0.621	0.842	0.433	0.646	0.676	0.010	-0.449
Mother's Weekly Wages	0.357	-0.483	-0.428	-0.648	-0.352	0.711	0.167	0.515	0.037	0.171
Mother on AFDC at End of Study	0.683	-0.626	-0.180	0.964	0.779	-0.560	-0.454	0.167	-0.800	-0.656
% Time Family on Food Stamps	0.47	-0.591	0.433	0.474	-0.404	-0.158	-0.579	0.157	0.711	-0.229
EDUCATION & TRAINING										
% Mothers in Academic, Voc, Job Train	0.214	0.001	0.661	0.020	0.310	0.921	0.759	-0.865	0.884	0.794
% Mothers w/GED, High Sch, Voc	0.487	0.795	0.678	0.782	-0.990	0.890	0.528	-0.945	0.612	-0.879
% Mothers w/Some College	0.168	0.153	-0.644	0.578	0.055	0.532	0.368	0.673	0.467	0.280
PARENTING										
NCAST Child Total	-0.291	-0.853	0.808	0.840	0.075	0.658	0.151	0.377	0.967	-0.847
NCAST Parent Total	-0.954	-0.355	0.205	-0.312	0.223	-0.404	0.663	0.293	0.585	0.972
AAPI Empathetic Awareness	0.291	0.06	0.506	0.491	0.456	-0.598	-0.024	0.081	-0.593	0.047
AAPI Appropriate Punishment	0.043	0.052	-0.294	0.364	-0.823	0.519	0.465	0.339	-0.985	0.007
AAPI Appropriate Expectations	0.969	0.437	-0.645	0.280	0.749	0.361	-0.116	0.057	0.663	0.000
AAPI Appropriate Roles	0.601	-0.608	0.596	0.530	0.366	-0.807	-0.088	0.183	-0.993	0.001
HOME Scale Total	-0.031	0.014	0.436	0.138	-0.857	-0.810	-0.267	0.373	0.012	-0.025
BIRTH OUTCOMES										
Late Prenatal Care	0.177	-0.246	0.195	-0.892	-0.049	-0.571	-0.358	-0.104	-0.087	-0.684
N of Birth Risk Indicators	0.314	0.233	-0.448	0.893	-0.172	-0.010	0.418	0.358	-0.122	0.406
N of Births After Focus Child	-0.391	0.241	0.560	0.683	-0.748	-0.785	-0.869	0.116	0.673	-0.925
Birth Spacing	-0.351	0.658	0.478	0.563	-0.854	0.964	-0.263	0.373	0.779	0.851

^a Explanatory notes to Exhibit 6.2

1. Each number in the body of the exhibit is the p-level associated with the significance test for the effect of CCDP in a given site on a given outcome variable.
2. Each p-level has been given a sign, indicating whether the tested difference favored CCDP (+) or the control group (-). All variables were coded so that a “+” represents a desirable effect and a “-” represents an undesirable effect.
3. Shaded rows identify outcome variables which exhibited a significant amount ($p < .10$) of between-site variation in effects. We are justified in considering significant effects only if they appear in the shaded rows. This is standard statistical procedure and is analogous to performing an overall F-test prior to searching for pairwise differences in an analysis of variance.
4. Statistically significant effects ($p < .01$) are enclosed in a rectangle. Solid rectangles indicate positive effects (favoring CCDP) while dashed rectangles indicate negative effects (favoring the control group).

EXHIBIT 6.3			
DETAILED DATA ON SITE #2'S EFFECTS			
OUTCOME	CCDP MEAN	CONTROL MEAN	CCDP - CONTROL
PPVT standard score (end of study)	93.4	84.0	9.4
K-ABC achievement standard score (end of study)	92.1	88.2	3.9
% time either mother or partner was employed (life of study)	69%	47%	22%
Household income (end of study)	\$17,029	\$13,407	\$3,622
Mother on AFDC (end of study)	46%	65%	-20%
% time family received food stamps (end of study)	55%	74%	-19%
AAPI empathetic awareness (raw score at end of study)	33.8	32.2	1.6
AAPI appropriate expectations (raw score at end of study)	25.0	23.7	1.3

EXHIBIT 6.4*											
P-LEVELS FOR SITE-LEVEL IMPACT ESTIMATES, BY OUTCOME DOMAIN AND MEASURE											
OUTCOME DOMAIN/MEASURE	Do SITES VARY?	SITE									
		1	2	3	5	6	7	8	10	11	12
CHILD COGNITIVE DEVELOPMENT											
PPVT Total	p=.01	-0.013	0.009	-0.209	-0.473	0.902	0.780	-0.139	-0.404	-0.397	-0.710
K-ABC Achievement	p=.07	-0.056	0.029	-0.178	-0.497	0.412	0.924	-0.898	0.836	-0.370	0.289
K-ABC Mental Processing	p=.04	-0.250	0.219	-0.712	-0.169	0.620	0.315	-0.144	-0.526	-0.069	0.324
CHILD SOCIO-EMOTIONAL DEVELOPMENT											
CBCL Externalizing	p=.80	-0.189	0.830	-0.348	-0.386	-0.973	-0.931	-0.788	0.233	-0.734	0.631
CBCL Internalizing	p=.18	-0.026	-0.791	0.485	-0.432	0.531	0.735	-0.845	-0.953	0.448	0.701
Adaptive Social Behavior Total	p=.03	-0.602	0.232	-0.109	-0.529	0.600	0.306	-0.314	-0.862	-0.366	0.973
Developmental Checklist	p=.25	-0.606	0.256	0.767	-0.059	0.099	0.554	0.704	0.589	-0.116	0.592
CHILD HEALTH											
Low Birth Weight	p=.15	-0.852	0.458	-0.448	0.801	-0.101	0.546	-0.673	-0.282	0.039	-0.070
Premature Delivery	p=.09	0.443	0.226	0.448	-0.800	0.699	0.299	-0.632	-0.155	0.009	-0.171
Nights of Special Care	p=.22	0.517	0.252	0.801	0.088	0.503	-0.093	-0.442	-0.326	0.049	-0.312
Preventive Dental Care	p=.78	0.151	0.683	-0.621	0.523	0.769	0.391	0.610	-0.109	0.807	0.757
Preventive Health Care	p=.0004	0.568	0.204	-0.078	-0.225	-0.685	-0.585	0.004	-0.559	0.879	0.569
EMPLOYMENT											
Mother or Partner Employed	p=.78	0.975	0.195	-0.250	-0.230	0.253	-0.551	-0.065	0.185	-0.787	-0.217
% Time Mother Worked Last Quarter	p=.98	0.810	-0.879	-0.697	-0.090	0.421	-0.881	-0.378	0.821	-0.386	0.864
N of Jobs Mother Worked	p=.81	0.491	0.968	-0.516	-0.068	0.557	-0.642	-0.534	-0.730	-0.330	0.682
N of Hours Mother Worked Per Week	p=.81	0.727	-0.784	-0.510	-0.111	0.414	-0.898	-0.602	-0.949	-0.169	0.652
% Time Mother or Partner Employed	p=.001	0.191	0.002	-0.007	-0.711	0.443	-0.290	-0.047	-0.808	-0.740	-0.436
% Mothers Employed Continuously	p=.47	0.919	0.478	-0.158	-0.510	-0.217	-0.142	-0.645	0.910	-0.492	0.227
INCOME											
Household Income	p=.05	0.007	0.055	-0.097	-0.003	0.484	0.112	-0.698	-0.392	-0.895	0.227
Mother's Weekly Wages	p=.64	0.718	0.360	-0.594	-0.040	0.518	-0.340	-0.808	-0.469	-0.175	0.880
Mother on AFDC at End of Study	p=.49	0.741	0.021	-0.141	-0.070	0.125	-0.407	-0.309	-0.684	-0.204	-0.200
% Time Family on Food Stamps	p=.04	-0.969	0.009	-0.028	-0.013	0.604	-0.072	-0.253	-0.874	-0.454	0.185
EDUCATION & TRAINING											
% Mothers in Academic, Voc, Job Train	p=.10	0.727	0.852	0.817	0.379	0.371	0.225	-0.629	0.065	-0.283	0.654
% Mothers w/GED, High Sch, Voc	p=.42	0.062	0.306	0.509	0.144	-0.891	-0.678	0.897	0.558	-0.124	0.047
% Mothers w/Some College	p=.71	0.028	0.318	-0.500	-0.339	0.385	-0.365	-0.154	0.358	-0.959	0.687
PARENTING											
NCAST Child Total	p=.79	0.441	0.921	0.438	-0.180	0.924	-0.035	-0.980	-0.707	-0.700	-0.527
NCAST Parent Total	p=.49	-0.132	0.180	-0.622	0.989	-0.250	-0.170	-0.032	0.871	-0.304	0.858
AAPI Empathetic Awareness	p=.07	0.673	0.046	-0.928	-0.443	-0.322	0.254	-0.102	0.865	-0.144	0.108
AAPI Appropriate Punishment	p=.28	0.414	0.646	0.517	-0.399	-0.228	0.052	-0.050	0.128	-0.272	0.035
AAPI Appropriate Expectations	p=.26	-0.450	0.026	-0.182	0.762	0.394	-0.043	0.787	0.639	-0.056	0.579
AAPI Appropriate Roles	p=.81	-0.922	0.080	-0.941	0.876	-0.608	-0.530	0.796	0.800	-0.169	0.725
HOME Scale Total	p=.001	0.415	0.797	0.374	-0.475	0.755	0.117	0.770	0.447	-0.013	-0.136
BIRTH OUTCOMES											
Late Prenatal Care	p=.01	0.041	0.608	0.267	-0.615	-0.601	0.007	0.167	0.529	0.946	-0.163
N of Birth Risk Indicators	p=.21	0.296	0.514	0.691	0.185	-0.414	0.225	0.931	-0.227	0.330	0.652
N of Births After Focus Child	p=.87	-0.655	0.604	0.959	-0.794	0.477	-0.331	-0.386	0.100	-0.339	-0.953
Birth Spacing	p=.92	-0.414	0.393	-0.582	0.962	0.509	-0.348	0.502	0.563	-0.653	-0.787

EXHIBIT 6.4 P-LEVELS FOR SITE-LEVEL IMPACT ESTIMATES, BY OUTCOME DOMAIN AND MEASURE										
OUTCOME DOMAIN/MEASURE	SITE									
	13	14	15	16	17	18	19	20	21	22
CHILD COGNITIVE DEVELOPMENT										
PPVT Total	0.655	0.999	0.891	0.107	0.396	0.842	0.176	0.049	0.991	0.001
K-ABC Achievement	0.021	-0.847	0.365	0.277	0.432	0.787	0.287	0.093	0.540	0.020
K-ABC Mental Processing	0.04	0.626	0.147	0.723	-0.434	0.775	0.019	0.280	0.999	0.016
CHILD SOCIO-EMOTIONAL DEVELOPMENT										
CBCL Externalizing	0.331	0.216	0.220	0.107	-0.377	0.665	0.389	0.815	-0.765	0.394
CBCL Internalizing	0.028	0.022	0.907	0.017	-0.470	0.367	0.545	-0.893	-0.248	0.579
Adaptive Social Behavior Total	0.348	0.267	0.007	0.002	-0.383	-0.872	-0.227	0.414	0.671	0.271
Developmental Checklist	0.032	0.858	0.107	0.120	0.230	0.473	-0.596	0.253	0.253	0.250
CHILD HEALTH										
Low Birth Weight	-0.091	0.411	0.430	-0.726	0.550	-0.340	-0.200	0.686	0.092	-0.434
Premature Delivery	-0.052	0.12	-0.695	0.195	0.393	-0.387	-0.088	-0.929	0.484	-0.670
Nights of Special Care	-0.284	0.357	0.168	-0.684	0.320	0.507	-0.598	-0.346	0.082	-0.997
Preventive Dental Care	0.983	-0.528	0.093	-0.713	-0.037	0.187	-0.904	-0.526	-0.886	-0.381
Preventive Health Care	0.007	-0.16	-0.601	0.954	0.020	0.710	0.974	-0.229	-0.749	0.183
EMPLOYMENT										
Mother or Partner Employed	0.385	0.574	-0.550	-0.082	-0.429	-0.849	-0.518	0.184	0.449	0.824
% Time Mother Worked Last Quarter	-0.554	0.497	-0.783	-0.539	-0.938	-0.955	0.317	0.633	0.214	-0.618
N of Jobs Mother Worked	0.739	0.726	0.949	-0.677	-0.504	-0.537	0.056	0.317	0.108	0.402
N of Hours Mother Worked Per Week	0.996	0.604	-0.759	-0.325	-0.293	-0.686	0.197	0.433	0.054	0.227
% Time Mother or Partner Employed	0.14	0.037	0.058	0.806	-0.259	-0.159	-0.563	0.017	0.592	0.424
% Mothers Employed Continuously	0.206	0.282	0.378	0.948	0.846	0.378	0.929	0.539	0.389	-0.247
INCOME										
Household Income	0.294	0.392	0.990	0.621	0.842	0.433	0.646	0.676	0.010	-0.449
Mother's Weekly Wages	0.357	-0.483	-0.428	-0.648	-0.352	0.711	0.167	0.515	0.037	0.171
Mother on AFDC at End of Study	0.683	-0.626	-0.180	0.964	0.779	-0.560	-0.454	0.167	-0.800	-0.656
% Time Family on Food Stamps	0.47	-0.591	0.433	0.474	-0.404	-0.158	-0.579	0.157	0.711	-0.229
EDUCATION & TRAINING										
% Mothers in Academic, Voc, Job Train	0.214	0.001	0.661	0.020	0.310	0.921	0.759	-0.865	0.884	0.794
% Mothers w/GED, High Sch, Voc	0.487	0.795	0.678	0.782	-0.990	0.890	0.528	-0.945	0.612	-0.879
% Mothers w/Some College	0.168	0.153	-0.644	0.578	0.055	0.532	0.368	0.673	0.467	0.280
PARENTING										
NCAST Child Total	-0.291	-0.853	0.808	0.840	0.075	0.658	0.151	0.377	0.967	-0.847
NCAST Parent Total	-0.954	-0.355	0.205	-0.312	0.223	-0.404	0.663	0.293	0.585	0.972
AAPI Empathetic Awareness	0.291	0.06	0.506	0.491	0.456	-0.598	-0.024	0.081	-0.593	0.047
AAPI Appropriate Punishment	0.043	0.052	-0.294	0.364	-0.823	0.519	0.465	0.339	-0.985	0.007
AAPI Appropriate Expectations	0.969	0.437	-0.645	0.280	0.749	0.361	-0.116	0.057	0.663	0.000
AAPI Appropriate Roles	0.601	-0.608	0.596	0.530	0.366	-0.807	-0.088	0.183	-0.993	0.001
HOME Scale Total	-0.031	0.014	0.436	0.138	-0.857	-0.810	-0.267	0.373	0.012	-0.025
BIRTH OUTCOMES										
Late Prenatal Care	0.177	-0.246	0.195	-0.892	-0.049	-0.571	-0.358	-0.104	-0.087	-0.684
N of Birth Risk Indicators	0.314	0.233	-0.448	0.893	-0.172	-0.010	0.418	0.358	-0.122	0.406
N of Births After Focus Child	-0.391	0.241	0.560	0.683	-0.748	-0.785	-0.869	0.116	0.673	-0.925
Birth Spacing	-0.351	0.658	0.478	0.563	-0.854	0.964	-0.263	0.373	0.779	0.851

^a Explanatory notes to Exhibit 6.4

1. Each number in the body of the exhibit is the p-level associated with the significance test for the effect of CCDP in a given site on a given outcome variable.
2. Each p-level has been given a sign, indicating whether the tested difference favored CCDP (+) or the control group (-). All variables were coded so that a “+” represents a desirable effect and a “-” represents an undesirable effect.
3. Statistically significant effects ($p < .05$) are enclosed in a rectangle. Solid rectangles indicate positive effects (favoring CCDP) while dashed rectangles indicate negative effects (favoring the control group).

SUMMARY OF FINDINGS

LENGTH OF ENROLLMENT AND OUTCOMES

- **The correlations between length of enrollment in CCDP and several maternal outcomes are quite close to zero**, ranging from -.06 to +.11. This means that there is essentially no linear relationship between the length of time that a family participated in CCDP and the outcomes for that family.
- **The length of time that a family was enrolled in CCDP was sometimes associated with a statistically significant difference in the outcomes achieved by that family, but those differences were not large enough to be educationally or practically meaningful.**

AMOUNT OF CENTER-BASED CARE AND OUTCOMES

- **CCDP children received many different types of early childhood education and care**. At the same time, families in the control group used many of the same set of care options for their children.
- We know very little about the quality of the care provided to children in this evaluation. However, **CCDP children received more center-based care than did control group children**-42.8 vs. 25.3 hours per month between birth and age 5. Further, there were large between-site differences in the amount of care received by CCDP and control group families in several of the sites.
- As expected in light of the lack of an overall CCDP impact on children, **there was no consistent relationship between CCDP's impact on amount of center-based care and CCDP's impact on child outcomes**. We found that CCDP's impact on K-ABC Mental Processing scores increased as CCDP's impact on number of hours per month of center-based care increased. But, the CCDP/control group difference in monthly hours would have to be about five times its actual size in order to generate a K-ABC increase of one-half of a standard deviation.

