

Table 1

## Descriptive Statistics for the Early Childhood Measures

	N	Mean	SD
<u>Family Characteristics</u>			
Mother's Education (years)	830	14.6	2.4
Partner in household: prop 6-54m	830	0.87	0.28
Income to need ratio: mean 6-54m	830	3.9	2.92
Maternal Depressive Symptoms 6-54m: intercept	830	9.1	5.38
Maternal Depressive Symptoms 6-54m: linear slope	830	0.2	0.63
Parenting quality standardized score: 6-54m: intercept	830	0.1	0.60
Parenting quality standardized score: 6-54m: linear slope	830	-0.0	0.07
<u>Child Care Experiences</u>			
Proportion of epochs in center care: 1-54m	830	0.24	0.27
Proportion of epochs in child-care home care: 1-54m	830	0.20	0.28
Child care hours 3-54m: intercept (centered at 27m)	830	27.1	15.55
Child care hours 3-54m: linear change per year	830	0.24	0.30
Observed quality rating 6-54m: intercept (centered at 27m)	830	2.8	0.23

Table 2 Descriptive Statistics for Academic and Social Outcomes and for Concurrent Family and School Characteristics

	Assessment Age or Grade														
	54 months			Kindergarten			Grade 1			Grade 2			Grade 3		
	N	Mean	Std	N	Mean	Std	N	Mean	Std	N	Mean	Std	N	Mean	Std
<u>Academic Outcomes</u>															
WJ Letter Word	817	99.8	13.1	.	.	809	112.3	15.7	.	.	764	110.2	14.4		
WJ Applied Problems	815	104.2	15.31	.	.	809	111.8	17.1	.	.	764	115.7	14.5		
WJ Picture Vocabulary	821	101.1	14.90	.	.	805	106.2	15.4	.	.	764	105.9	14.5		
WJ Memory for sentences	815	92.7	18.02	.	.	804	99.2	14.9	.	.	764	102.6	15.4		
Teacher rating: work habits	0	.	.	.	.	803	3.6	1.0	774	3.7	1.1	752	3.6	1.0	
<u>Social Outcomes: Mother Report</u>															
Eternalizing behaviors	815	51.3	9.2	872	49.9	9.7	813	48.7	9.8	.	.	781	47.3	9.8	
Social skills	811	98.9	13.2	870	103.0	14.7	813	105.6	14.7	.	.	781	106.4	15.5	
Parent/Child Conflict	830	27.2	7.5	872	16.5	6.0	813	15.2	5.9	.	.	781	16.2	6.1	
<u>Social Outcomes: Teacher Report</u>															
Externalizing behaviors	682	49.9	9.4	834	49.7	8.9	804	50.6	8.7	775	50.3	8.7	753	51.3	9.1
Social skills	718	105.1	13.4	824	103.8	13.9	800	103.6	13.6	768	105.4	14.2	746	102.2	14.1
Teacher-child conflict	685	18.6	6.5	836	10.7	5.4	803	10.9	5.1	778	10.7	5.1	753	11.5	5.8
Social-emotional functioning						.	803	3.5	0.8	773	3.6	0.9	753	3.6	0.9
<u>Family Characteristics</u>															
Income to needs ratio	830	3.9	3.4	872	3.8	2.7	813	4.1	3.1	.	.	781	4.5	3.6	
Maternal depressive symptoms	830	9.3	8.1	.	.	813	8.3	8.4	.	.	781	8.8	8.5		
Parenting quality	830	0.08	0.79	872	0.05	0.76	813	0.05	0.8	.	.	781	0.05	0.8	
Partner in home	830	0.86	0.35	872	0.83	0.37	813	0.82	0.38	779	0.83	0.36	781	0.82	0.42
<u>School &amp; After-school Characteristics</u>															
Observed Classroom quality	830	3.0	0.6	.	.	813	3.4	0.5	.	.	781	3.2	0.5		
Before/After-school hours	830	0.0	0.0	872	9.8	9.6	813	6.7	5.9	779	6.6	5.8	781	5.9	5.4

Table 3  
Correlations among child care predictors and between child care predictors and covariates

	% Child Care Centers	% Child-care homes	Child Care Hrs Intercept	Child care Hrs Slope	Child care Quality Intercept	54-m CC quality	Grade 1 Classroom quality	Grade 3 Classroom quality	Grade 1 after-school hrs	Grade 3 after-school hrs
Total N	1077	1077	1087	1087	990	830	813		813	
<u>Early child care</u>										
% Center		-.22***	.36***	.05	-.21***	-.04	-.04	-.08*	.18***	.09**
% child care home			.40***	-.13***	-.04	-.11**	-.07	-.02	.13***	.16***
Hs intercept				-.06	-.09**	-.19**	-.10**	-.07	.35***	.32***
Hrs slope					-.06	-.05	-.06	-.01	-.01	.05
Quality intercept						.05	.07*	.10**	-.06	-.11**
<u>School Age</u>										
Classroom quality									-.02	.00
<u>Early Childhood Covariates</u>										
Maternal ed.	.13***	.05	.12**	-.11**	.21***	.13***	.15***	.16***	.01	-.01
Partnered 6-54m	-.03	-.04	-.07	-.08*	.18***	.14***	.09*	.13***	-.19***	-.11***
Income 6-54	.16***	.02	.15***	-.13***	.22***	.12***	.14***	.14***	.09*	.03
Maternal depression intercept	.01	-.03	-.08*	.02*	-.09*	-.06	-.02	-.06	.01	-.00
Maternal depression slope	-.03	.07*	.08*	-.05	.05	-.02	-.01	-.01	-.02	.01
Parenting quality intercept	.06	.02	.00	-.11**	.29***	.15***	.18***	.17***	-.10**	-.08*
Parenting quality slope	.05	.05	.05	.01	.02	.05	-.01	-.04	-.04	-.01
<u>Grade 1 covariates</u>										
Income	.11***	.02	.11**	-.12***	.17***	.13***	.15***	.14***	.11**	.06
Maternal depression	.01	.01	-.01	.03	-.04	-.05	-.09**	-.06	-.03	.03
Parenting quality	.05	.06	.02	-.13***	.26***	.14***	.16***	.17***	-.09	-.07
Partnered	-.06	-.01	-.07*	-.08*	.12***	.14***	.12***	.11**	-.32***	-.12***

Key: \* p<.05; \*\*p<.01; \*\*\*p<.001



Table 5  
Correlations between child care, school, after-school, and family variables and child outcomes in Grade 1

	Woodcock-Johnson				Mother Reports				Teacher Reports			
	LW	AP	PV	MS	Ext	SSRS	Conflict	Ext	SSRS	Conflict	Socio-emotional	Work Habits
% Center	.07	.10	.05	.08	.02	.02	.01	.09	-.07	.08	-.06	-.06
% child care home	-.02	-.01	.01	.01	.05	-.03	.04	.09	-.04	.13	-.09	-.02
Child care hrs int	.03	.04	.03	.00	.06	-.00	-.02	.14	-.10	.15	-.11	-.09
Child care hrs slp	-.07	-.05	-.07	-.06	.01	-.08	-.01	.03	-.04	.03	-.05	-.06
Child care quality i	.13	.17	.22	.19	-.05	.08	.02	-.08	.13	-.10	.13	.12
School quality	.06	.06	.11	.07	-.06	.03	-.00	-.07	.05	-.09	.10	.04
After-school hrs	-.05	.00	-.04	-.04	.07	-.01	.05	.15	.01	.13	-.09	-.02
Maternal education	.26	.32	.42	.32	-.19	.20	-.02	-.18	.24	-.17	.25	.24
Partnered 6-54m	.15	.19	.19	.18	-.14	.12	-.04	-.23	.23	-.22	.19	.21
Income 6-54m	.19	.28	.32	.27	-.16	.17	-.04	.12	.13	-.12	.15	.19
Maternal depression 6-54m intercept	-.15	-.17	-.16	-.15	.32	-.27	.30	.15	-.14	.14	-.12	-.15
Maternal depression 6-54m slope	-.05	-.05	.02	-.09	.08	.01	.05	.05	-.01	.04	-.02	-.03
Parenting 6-54m intercept	.31	.38	.49	.39	-.23	.33	-.11	-.29	.27	-.24	.33	.34
Parenting 6-54m slope	.23	.20	.10	.16	-.15	.11	-.15	-.11	.13	-.09	.16	.12
Income Grade 1	.21	.29	.30	.27	-.19	.19	-.05	-.12	.14	-.12	.15	.17
Maternal Depression Grade 1	-.09	-.13	-.13	-.11	.31	-.23	.28	.10	-.13	.14	-.11	-.12
Parenting Grade 1	.30	.34	.42	.36	-.23	.32	-.13	-.26	.25	-.20	.30	.25
Partnered Grade 1	.14	.17	.19	.12	-.13	.10	-.05	-.19	.19	-.17	.18	.16

Table 6  
Early Child Care Predictors of Child Achievement and Behavior in the Primary Grades

		Woodcock-Johnson				Mother Report			Teacher Report				
		Letter-Word	Applied Problems	Picture Vocabulary	Memory Sentences	Externalizing	Social Skills	Conflict	Externalizing	Social Skills	Conflict	Social/emotional	Work Habits
CC Quality	B (se)	3.21 (1.76)	<b>5.35**</b> ( <b>1.86</b> )	<b>4.98**</b> ( <b>1.71</b> )	<b>5.38**</b> ( <b>1.97</b> )	.63 (1.23)	-1.63 (1.85)	.68 (.80)	-.06 (.98)	2.03 (1.41)	-.36 (.60)	.01 (.12)	-.01 (.15)
CC Quality x Age	B (se)	-.72 (.53)	.11 (.53)	.14 (.50)	-.22 (.62)	.09 (.30)	-.95 (.49)	.15 (.23)	-.17 (.38)	.46 (.60)	-.23 (.26)	.08 (.07)	.08 (.07)
54m	ES	.08	.08	.07	.08	.01	.00	.01	.01	.02	.00		
G1	ES	.05	.07	.08	.08	.02	.03	.03	.00	.03	.02	.00	.00
G3	ES	.03	.09	.09	.08	.02	.05	.04	.01	.05	.03	.04	.03
CC Hours	B (se)	.03 (.03)	.02 (.03)	.02 (.03)	-.03 (.03)	.03 (.02)	-.03 (.03)	-.02 (.01)	<b>.045**</b> ( <b>.017</b> )	<b>-.055*</b> ( <b>.025</b> )	<b>.023*</b> ( <b>.01</b> )	-.003 (.002)	<b>-.007*</b> ( <b>.003</b> )
CC Hours x Age	B (se)	-.00 (.01)	.01 (.01)	-.00 (.01)	-.00 (.01)	-.00 (.01)	-.00 (.01)	-.008 (.004)	<b>-.014*</b> ( <b>.007</b> )	.01 (.01)	<b>-.01**</b> ( <b>.005</b> )	.000 (.001)	.001 (.001)
54m	ES	.04	.01	.03	.02	.05	.02	.01	.12	.10	.11		
G1	ES	.03	.01	.02	.03	.04	.03	.05	.08	.06	.07	.05	.10
G3	ES	.03	.04	.01	.02	.04	.04	.08	.03	.03	.01	.04	.05
Prop.Center Care	B (se)	1.12 (1.81)	2.50 (1.91)	1.10 (1.76)	<b>4.16*</b> ( <b>2.03</b> )	.70 (1.27)	.96 (1.90)	<b>1.69*</b> ( <b>.82</b> )	<b>2.66*</b> ( <b>1.01</b> )	.14 (1.46)	<b>1.72**</b> ( <b>.62</b> )	-.24 (.13)	-.15 (.16)
Prop.Center x Age	B (se)	.18 (.54)	-.23 (.53)	.42 (.51)	-.86 (.62)	-.46 (.31)	-.00 (.50)	-.31 (.24)	-.53 (.39)	.36 (.62)	<b>-.73**</b> ( <b>.27</b> )	.12 (.07)	.11 (.08)
54m	ES	.02	.05	.00	.09	.05	.02	.08	.11	.01	.13		
G1	ES	.02	.04	.02	.07	.02	.02	.08	.08	.00	.09	.08	.04
G3	ES	.03	.04	.03	.04	.01	.02	.05	.05	.02	.01	.00	.02
Prop. Child Care Home	B (se)	-.26 (1.65)	1.45 (1.74)	.43 (1.66)	2.99 (1.85)	.43 (1.15)	.07 (1.73)	1.44 (.75)	1.20 (.91)	1.62 (1.32)	<b>1.12*</b> ( <b>.56</b> )	-.24 (.12)	-.01 (.14)
Prop. CC Home x Age	B (se)	.22 (.50)	-.19 (.50)	.67 (.47)	.17 (.58)	-.11 (.29)	-.06 (.46)	.07 (.22)	.04 (.36)	-.56 (.57)	.08 (.24)	<b>.17*</b> ( <b>.07</b> )	.00 (.07)
54m	ES	.01	.03	.02	.04	.02	.00	.05	.03	.06	.04		
G1	ES	.00	.02	.01	.06	.01	.00	.07	.04	.03	.06	.08	.00
G3	ES	.00	.02	.03	.06	.01	.00	.07	.04	.01	.06	.03	.00

Figure 1. Teacher ratings of externalizing behaviors: Plotting child care hours x age interaction

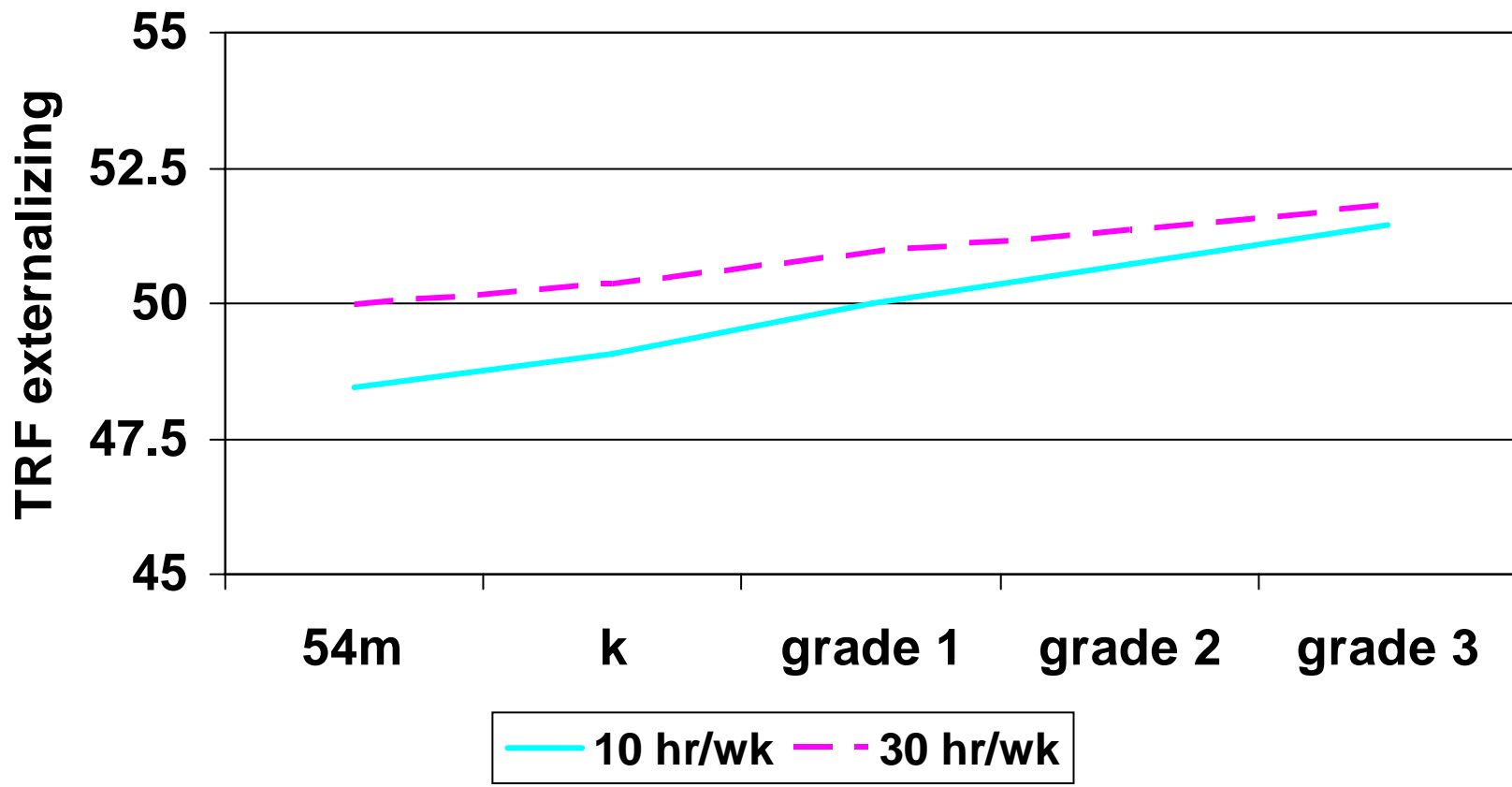
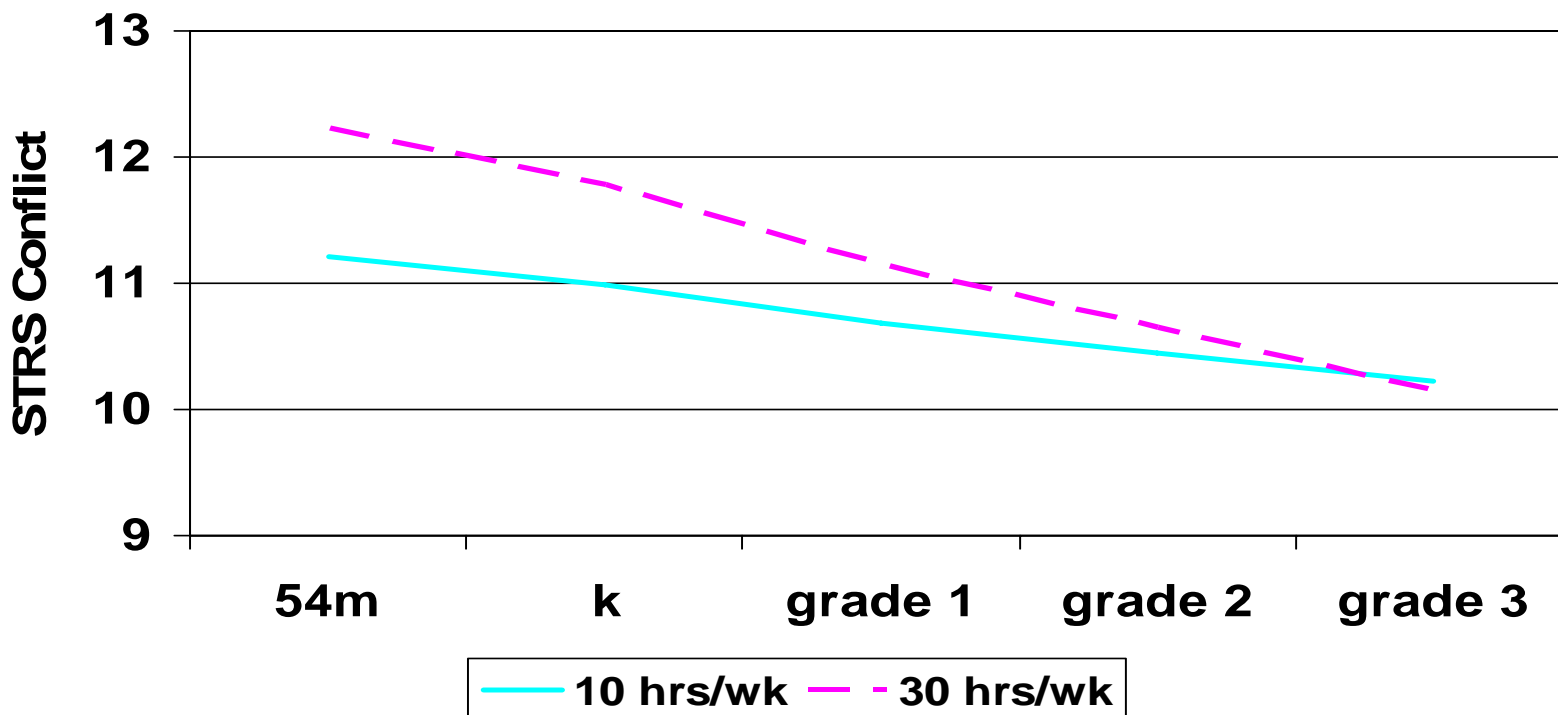


Figure 2. Teacher Ratings of Conflict: Plotting Child Care Hours X Age Interaction

# Teacher ratings of conflict: Plotting child care hours x age interaction





## Teacher ratings of conflict: Plotting proportion of time in center care x age interaction

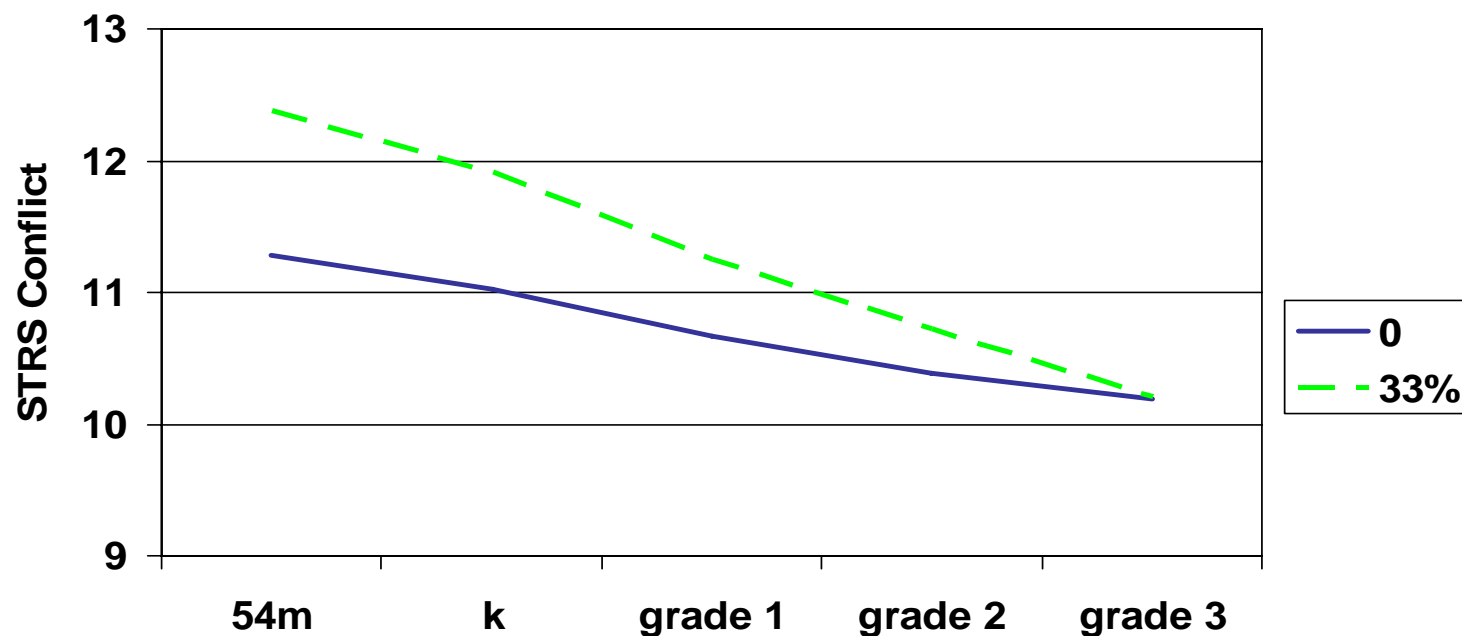


Figure 3. Teacher Ratings of Conflict: Plotting Proportion of Time in Center Care X Age Interaction

Figure 4. Teacher ratings of social/emotional skills: Plotting time in child care home by age interaction

## Teacher ratings of social/emotional skills: Plotting proportion time in child care home x age interaction

