

Appendix

Table A1: Odds ratios of child characteristics and individual risks related to kindergarten indicators using multilevel modelling

	Poor attendance ^d		Suspensions ^e	
	Odds ratio	Sig.	Odds ratio	Sig.
Fixed effects				
Child characteristics^a				
Male	1.05	ns	7.52	***
Race/Ethnicity				
Black	2.21	***	2.64	***
Hispanic	1.74	***	0.65	ns
Asian	2.17	***	0.94	ns
Multiple	1.42	***	1.88	***
Age at preschool	1.00	ns	1.00	ns
Family characteristics				
Parent immigration	1.14	ns	0.57	*
Number of siblings	1.03	ns	1.09	ns
Rural	0.90	ns	0.81	ns
Individual risks^b				
Poverty (Medicaid/WIC)	2.81	***	2.38	***
Preterm or low birth weight	1.14	ns	0.67	ns
Low maternal education	1.40	***	0.89	ns
Unmarried mother	1.30	***	1.07	ns
Inadequate prenatal care	1.21	*	1.24	ns
Teen mother	1.82	***	1.34	ns
Prenatal smoking	1.54	***	1.51	***
Any public preschool	0.80	***	1.18	ns
Intercept	0.03	***	0.00	***
Level 2 random effects				
Var (_cons) ^c	0.12		0.96	

Note: *p < 0.10, **p < 0.05, ***p < 0.001. ^aReference category is white, female. ^bReference category is a child without the noted risk. ^cCluster variable is school districts. ^dIntra Class Correlation (ICC) = 0.08. ^eIntra Class Correlation (ICC) = 0.29.



Table A2: Odds ratios of child characteristics and cumulative risks related to kindergarten indicators using multilevel modelling

	Poor attendance ^d		Suspensions ^e	
	Odds ratio	Sig.	Odds ratio	Sig.
Fixed effects				
Child characteristics^a				
Male	1.05	ns	7.50	***
Race/Ethnicity				
Black	2.26	***	2.55	***
Hispanic	1.77	***	0.61	ns
Asian	2.14	***	0.89	ns
Multiple	1.45	***	1.88	***
Age at preschool	1.00	ns	1.00	ns
Family characteristics				
Parent immigration	0.93	ns	0.53	*
Number of siblings	1.03	ns	1.08	ns
Rural	0.95	ns	0.93	ns
Cumulative risks^b				
1 Risk	2.64	***	1.61	ns
2 Risks	4.13	***	2.88	***
3 or more Risks	6.97	***	3.41	***
Any public preschool	0.80	***	1.17	ns
Intercept	0.03	***	0.00	***
Level 2 random effects				
Var (_cons) ^c	0.13		0.98	

Note: *p < 0.10, **p < 0.05, ***p < 0.001. ^a Reference category is white, female. ^b Cumulative risk index created using Poverty (WIC/Medicaid receipt), Preterm/Low birthweight, Low mother education, Unmarried mother, Inadequate prenatal care, Teen mother, and Smoking. ^c Cluster variable is school districts. ^d Intra Class Correlation (ICC) = 0.08. ^e Intra Class Correlation (ICC) = 0.29.

