

Supplemental File 1

Predictors of Disability Prevalence and Incidence Across Grades (Odds Ratios)

	Prevalence (logistic regression models)			Incidence (discrete time models)		
	SLI	SLD	Other	SLI	SLD	Other
Race (ref: White)						
Black	0.65**	0.64*	0.74*	0.73*	0.71*	0.86
Hispanic	0.8	0.92	0.63***	0.84	0.9	0.74*
Other	0.96	0.79	0.98	0.98	0.79	0.97
Sociodemographic characteristics						
Child of immigrant	1.12	1.58*	1.2	1.05	1.29	1.18
Socioeconomic status	1.11	0.89	1.24**	1.05	0.94	1.16
Parents unmarried	1.66***	1.43***	1.65***	1.67***	1.42***	1.81***
Developmental/health characteristics						
Male	1.13	1.18	0.98	1.11	1.01	1.04
Low birth weight	1.16	1.1	1.14	1.17	1.11	1.11
Premature birth	0.63	0.6	0.55*	0.7	0.64	0.59*
Age of mother at birth \leq 18 (ref: age 19-37)	1.42**	0.97	1.62**	1.3*	0.99	1.44*
Age of mother at birth \geq 38 (ref: age 19-37)	0.74	1.14	0.55*	0.87	1.15	0.74
No health insurance	0.79**	0.96	0.83	0.78***	0.92	0.83
Academic achievement						
Reading	0.98***	0.94***	0.99	0.97***	0.96***	0.99
Math	0.94***	0.95***	0.92***	0.95***	0.94***	0.93***
Behavioral functioning						
Self-regulation	0.69***	0.8**	0.46***	0.65***	0.69***	0.53***
Externalizing problem behaviors	0.79***	0.89	0.97	0.83**	0.89	1.01
Internalizing problem behaviors	1.29***	1.39***	1.27***	1.17**	1.29***	1.35***
Working memory	0.97***	0.97***	0.97***	0.97***	0.97***	0.97***
Age at school entry	1.06***	1.08***	1.1***	1.05***	1.08***	1.07***
School-level variables						
Free/reduced lunch 25-50% (ref: 0-25%)	1.2	0.89	1.34*	1.14	0.9	1.21
Free/reduced lunch 50-75% (ref: 0-25%)	1.15	0.93	1.1	1.21	0.9	0.95
Free/reduced lunch 75-100% (ref: 0-25%)	0.96	0.75	0.91	0.99	0.68*	0.79
Minority students 25-50% (ref: 0-25%)	1.16	0.82	1.25	1.09	1.03	1.19
Minority students 50-75% (ref: 0-25%)	0.84	0.64*	0.96	0.8	0.85	0.96
Minority students 75-100% (ref: 0-25%)	0.77	0.64*	0.86	0.69*	0.8	0.93
Region Midwest (ref: Northeast)	0.95	0.76	1.09	1	0.69	1.06
Region South (ref: Northeast)	0.73	0.51**	0.67	0.74	0.52***	0.65
Region West (ref: Northeast)	0.66	0.83	0.68	0.75	0.82	0.7

Note. Models include interactions between language background and grade (not shown). SLI = speech or language impairments; SLD = specific learning disability; Other = other disability categories; ref = Reference groups for categorical variables with more than two levels.

* p < .05, ** p < .01, *** p < .001