

SUPPLEMENT A TO BRIEF No. 51

**Out-of-School Suspension Outcomes:
Examining Child Protection Involvement and BIPOC Identity**

Full sample linear and logistic regression models with interaction terms

	Middle School MCA Math Scores				Middle School MCA Reading Scores				Juvenile Justice System Involvement			
	β	SE	<i>t</i>	<i>p</i>	β	SE	<i>t</i>	<i>p</i>	β	OR (CI)	<i>Z</i>	<i>p</i>
OSS (Grade 3-5)	-1.20	2.18	-0.55	.58	1.65	2.50	0.66	.51	-1.26	0.28 (0.03, 1.59)	-1.28	.20
Indigenous	-3.77	1.13	-3.33	<.01	-4.41	1.27	-3.47	<.01	1.26	3.52 (1.58, 7.83)	3.11	<.01
Black	-4.95	0.97	-5.10	<.01	-4.80	1.09	-4.42	<.01	1.31	3.71 (1.85, 7.67)	3.64	<.01
Latinx	-3.78	1.40	-2.71	<.01	-5.25	1.56	-3.37	<.01	0.23	1.26 (0.28, 3.98)	0.35	.73
Asian	-3.41	2.09	-1.63	.10	-6.33	2.39	-2.66	<.01	0.21	1.24 (0.07, 6.56)	0.20	.84
Female	0.54	0.72	0.74	.46	2.54	0.81	3.15	<.01	-0.82	0.44 (0.26, 0.75)	-2.99	<.01
Congregate care	-2.19	0.88	-2.49	0.01	-1.60	1.00	-1.61	.11	0.15	1.16 (0.60, 2.13)	0.45	.65
3+ CPS records before grade 3	1.39	1.38	1.01	0.31	-0.09	1.53	-0.06	.95	0.25	1.29 (.47, 2.97)	0.55	.58
FRL	-1.54	0.44	-3.51	<.01	-1.82	0.49	-3.71	<.01	0.31	1.36 (0.96, 2.02)	1.66	.10
EBD	-0.36	0.09	-4.03	<.01	-0.41	0.10	-4.04	<.01	-0.02	0.98 (0.90, 1.05)	-0.45	.65
Attendance Rate	5.59	0.97	5.76	<.01	6.31	1.10	5.76	<.01	-0.20	0.82 (0.44, 1.57)	-0.61	.54
OSS * CPS records	2.93	3.45	0.85	.40	2.02	3.71	0.54	.59	-0.28	0.76 (0.12, 4.14)	-0.32	.75
OSS * Indigenous	-8.62	3.33	-2.59	.01	-8.81	3.72	-2.37	.02	0.22	1.24 (0.12, 13.39)	0.19	.85
OSS * Black	-3.08	2.50	-1.23	.22	-4.85	2.77	-1.75	.08	1.71	5.52 (1.13, 43.37)	1.90	.06
OSS * Congregate	-4.39	2.54	-1.73	.08	-1.79	2.81	-0.64	.52	0.87	2.38 (0.72, 7.99)	1.42	.16
OSS * EBD	0.05	0.26	0.20	.84	-0.32	0.30	-1.08	.28	0.16	1.17 (1.02, 1.36)	2.10	.04
Model Diagnostics	RSE = 11.75 on 16 and 1,118 df R ² = .14				RSE = 11.27 on 16 and 1,111 df R ² = .14				Residual Deviance = 504.72 on 1,242 df AIC = 538.72			

Note: MCA = Minnesota Comprehensive Assessment; OSS = out-of-school suspension (yes/no), CPS = child protective services cases (number), FRL = receipt of free or reduced-priced lunch (yes/no), EBD = emotional and behavioral disabilities (yes/no)

The Center for Advanced Studies in Child Welfare (CASCW) is a resource for child welfare professionals, students, faculty, policy-makers, and other key stakeholders concerned about child welfare in Minnesota. Minn-LinK is a unique collaborative, university-based research environment with the express purpose of studying child and family well being in Minnesota using state administrative data from multiple agencies.

For more information, contact **Kristine Piescher (Editor)** at **612-624-4231** or email at casw@umn.edu

SUPPLEMENT B TO BRIEF No. 51

**Out-of-School Suspension Outcomes:
Examining Child Protection Involvement and BIPOC Identity**

**Linear and logistic regression models with subsample of students
who experienced OSS in 3rd through 5th grade**

	Middle School MCA Math Scores				Middle School MCA Reading Scores				Juvenile Justice System Involvement			
	β	SE	<i>t</i>	<i>p</i>	β	SE	<i>t</i>	<i>p</i>	β	OR (CI)	Z	<i>p</i>
Severity of disciplinary incident	-0.19	0.18	-1.03	.30	-0.11	0.22	-0.49	.62	0.14	1.15 (1.03, 1.29)	2.50	.01
Indigenous	-10.87	3.44	-3.15	<.01	-10.56	4.02	-2.63	.01	1.90	6.67 (0.53, 164)	1.43	.15
Black	-7.00	2.55	-2.74	<.01	-7.79	2.97	-2.62	.01	3.72	41.24 (6.47, 843)	3.26	<.01
Latinx	0.34	7.48	0.05	.96	-4.65	7.49	-0.62	.53	2.52	12.42 (0.36, 439)	1.53	.13
Asian	-2.53	6.32	-0.40	.69	-2.98	7.30	-0.41	.68	-11.39	<.01 (<.01, >1,000)	-0.10	.99
Female	-0.03	2.57	-0.01	.99	-0.09	2.82	-0.03	.97	-0.82	0.44 (0.10, 1.58)	-1.19	.23
Congregate care	-6.56	2.49	-2.64	<.01	-2.56	2.80	-0.91	.36	0.91	2.49 (0.84, 7.72)	0.56	.10
3+ CPS records before grade 3	4.56	3.24	1.41	.16	2.53	3.53	0.72	.48	-0.35	0.70 (0.12, 3.22)	0.82	.67
FRL	-2.62	1.39	-1.88	.06	-3.38	1.62	-2.09	.04	0.02	1.02 (0.47, 2.49)	0.41	.96
EBD	-0.33	0.27	-1.21	.23	-0.72	0.31	-2.29	.02	0.13	1.14 (1.00, 1.31)	0.07	.06
Attendance Rate	5.59	0.97	5.76	.05	10.83	3.25	3.33	<.01	-0.12	0.89 (0.23, 3.41)	0.68	.86

Note: MCA = Minnesota Comprehensive Assessment; OSS = out-of-school suspension (yes/no), CPS = child protective services cases, FRL = receipt of free or reduced-priced lunch (yes/no), EBD = emotional and behavioral disabilities (yes/no)

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