

Supplemental Online Content

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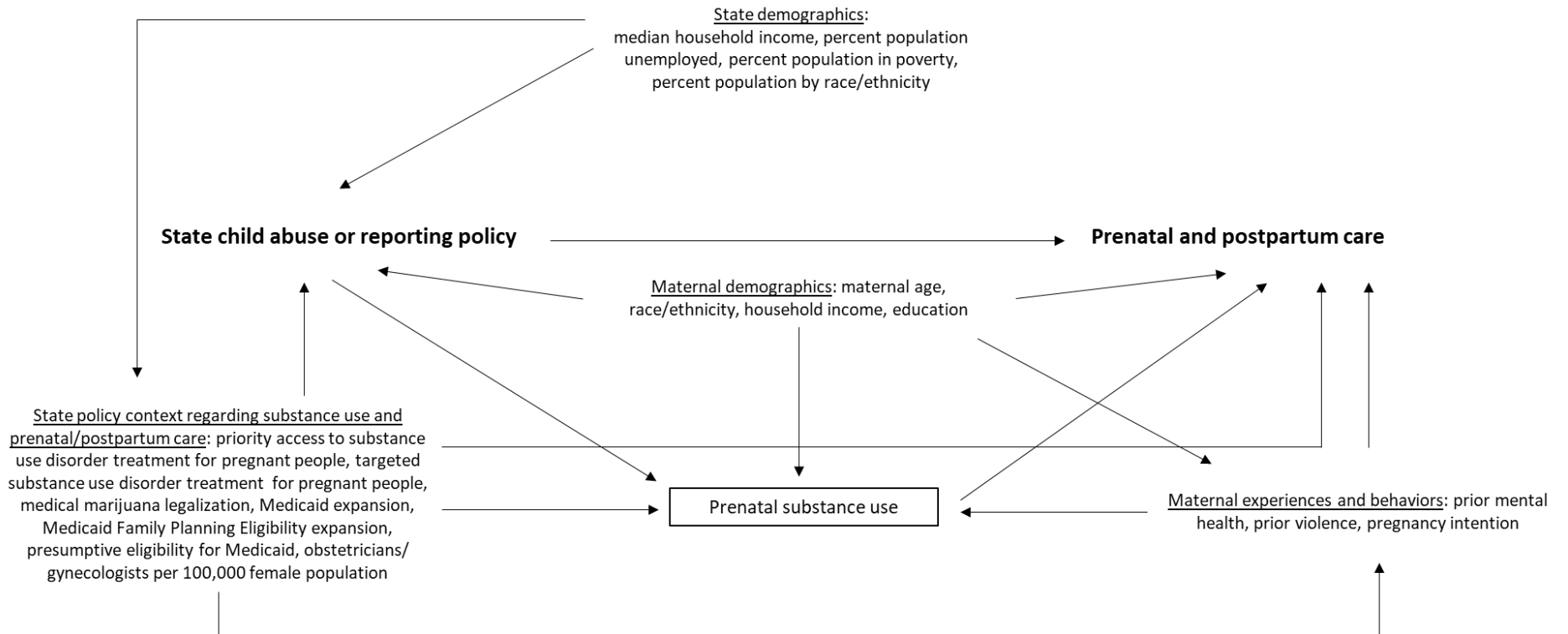
This supplemental material has been provided by the authors to give readers additional information about their work.

eTable 1. State Prenatal Substance Use Policy Categorization

State	Year	Child abuse policy year in relation to state-years in data	Mandated reporting policy year in relation to state-years in data	Policy categorization
Alaska	2016		Pre-2016	Mandated reporting policy only
Alaska	2017		Pre-2016	Mandated reporting policy only
Alaska	2018		Pre-2016	Mandated reporting policy only
Alaska	2019		Pre-2016	Mandated reporting policy only
Alabama	2019	Pre-2019		Child abuse policy only
Colorado	2019	Pre-2019		Child abuse policy only
Connecticut	2019	Pre-2019		Child abuse policy only
Georgia	2019	Pre-2019	Pre-2019	Both
Kansas	2017			Neither policy
Kansas	2018			Neither policy
Kansas	2019			Neither policy
Kentucky	2017		Pre-2017	Mandated reporting policy only
Kentucky	2018		Pre-2017	Mandated reporting policy only
Kentucky	2019	<i>End 2018</i>	Pre-2017	Both policies
Louisiana	2019	Pre-2019	Pre-2019	Both policies
Massachusetts	2019		Pre-2019	Mandated reporting policy only
Missouri	2016	Pre-2016		Child abuse policy only
Missouri	2017	Pre-2016		Child abuse policy only
Missouri	2018	Pre-2016		Child abuse policy only
Missouri	2019	Pre-2016		Child abuse policy only
Montana	2017		Pre-2017	Mandated reporting policy only
North Dakota	2017	Pre-2017	Pre-2017	Both policies
North Dakota	2018	Pre-2017	Pre-2017	Both policies
North Dakota	2019	Pre-2017	Pre-2017	Both policies
Oklahoma	2016	Pre-2016	Pre-2016	Both policies
Oklahoma	2017	Pre-2016	Pre-2016	Both policies
Oregon	2019			Neither policy
Pennsylvania	2019			Mandated reporting policy only
Rhode Island	2019		Pre-2019	Both policies
South Dakota	2017	Pre-2017		Child abuse policy only
South Dakota	2018	Pre-2017		Child abuse policy only
Utah	2019	Pre-2019	Pre-2019	Both policies
Vermont	2016			Neither policy
Vermont	2017			Neither policy
Vermont	2018			Neither policy

Vermont	2019			Neither policy
Washington	2019	Pre-2019		Child abuse policy only
Wisconsin	2016	Pre-2016	Pre-2016	Both policies
Wisconsin	2017	Pre-2016	Pre-2016	Both policies
Wisconsin	2018	Pre-2016	Pre-2016	Both policies
Wisconsin	2019	Pre-2016	Pre-2016	Both policies
West Virginia	2016			Neither policy
West Virginia	2017			Neither policy
West Virginia	2018			Neither policy
Wyoming	2019			Neither policy
Of 45 state-years included in analyses, 10 state-years had a child abuse policy only (N=987 births), 9 state-years had a mandated reporting policy only (N=610 births), 14 state-years had both policies (N=1,276 births), and 12 state-years had neither policy (N=1,282 births).				

eFigure. Conceptual Diagram



eTable 2. Data Sources for State-Level Covariates	
Covariate	Data source
Priority access to substance use disorder treatment for pregnant people	State policy texts obtained from the Guttmacher Institute
Targeted substance use disorder treatment programs for pregnant people	State policy texts obtained from the Guttmacher Institute
Medical marijuana legalization	National Conference of State Legislatures. State Medical Marijuana Laws. Available from https://www.ncsl.org/research/health/state-medical-marijuana-laws.aspx .
Medicaid expansion	Kaiser Family Foundation. Statuses of State Medicaid Expansion Decisions. Available from https://www.kff.org/medicaid/issue-brief/status-of-state-medicaid-expansion-decisions-interactive-map .
Medicaid Family Planning expansion	Kaiser Family Foundation. Expanding Postpartum Medicaid Coverage. Available from https://www.kff.org/womens-health-policy/issue-brief/expanding-postpartum-medicaid-coverage . The Guttmacher Institute. Medicaid Family Planning Eligibility Expansion. Available from https://www.guttmacher.org/print/state-policy/explore/medicaid-family-planning-eligibility-expansions .
Presumptive eligibility for Medicaid	The Commonwealth Fund. State Policies to Improve Maternal Health Outcomes. Available from https://www.guttmacher.org/print/state-policy/explore/medicaid-family-planning-eligibility-expansions .
Number of obstetrician/gynecologists per 100,000 female population	Health Resources & Services Administration. Area Health Resources Files. Available from https://data.hrsa.gov/topics/health-workforce/ahrf .

eTable 3. Mean Difference in Month of Gestation at Prenatal Care Initiation by State Prenatal Substance Use Policies^b				
	Unadjusted β	95% confidence interval (CI)	Adjusted ^a β	95% confidence interval (CI)
Month of prenatal care initiation				
Neither policy	0.00		0.00	
Child abuse policy only	0.49	0.31, 0.67	0.44	0.10, 0.78
Mandated reporting policy only	0.28	-0.19, 0.75	0.32	0.04, 0.59
Both policies	0.08	-0.19, 0.35	0.40	0.09, 0.72
^a Adjusted for maternal age, education, race/ethnicity, per capita household income, pregnancy intention, mental health prior to pregnancy, and experiences of violence prior to pregnancy and state-level Presumptive Eligibility and Expanded Family Planning under Medicaid, Medicaid expansion, priority access to substance use disorder treatment and targeted substance use disorder treatment programs for pregnant people, priority access for substance use disorder treatment for pregnant people, medical marijuana legalization, and number of obstetricians/gynecologists per 100,000 female population. ^b Among 4,155 births to women who reported substance use during pregnancy				

eTable 4. Risk Ratios Comparing Adequacy of Prenatal Care and Receipt of a Postpartum Health Care Visit by State Prenatal Substance Use Policies				
	Unadjusted risk ratio (RR)	95% confidence interval (CI)	Adjusted ^a risk ratio (RR)	95% confidence interval (CI)
Adequacy of prenatal care (adequate vs. not adequate)				
Neither policy	1.00		1.00	
Child abuse policy only	0.85	0.75, 0.98	0.85	0.79, 0.91
Mandated reporting policy only	0.89	0.70, 1.11	0.94	0.87, 1.01
Both policies	1.00	0.89, 1.12	0.95	0.89, 1.03
Postpartum healthcare visit (received vs. not received)				
Neither policy	1.00		1.00	
Child abuse policy only	0.95	0.89, 1.00	0.89	0.82, 0.96
Mandated reporting policy only	0.97	0.88, 1.06	0.89	0.80, 0.98
Both policies	1.02	0.94, 1.12	0.92	0.83, 1.02
^a Adjusted for maternal age, education, race/ethnicity, per capita household income, pregnancy intention, mental health prior to pregnancy, and experiences of violence prior to pregnancy and state-level Presumptive Eligibility and Expanded Family Planning under Medicaid, Medicaid expansion, priority access to substance use disorder treatment and targeted substance use disorder treatment programs for pregnant people, medical marijuana legalization, and number of obstetricians/gynecologists per 100,000 female population. ^b Among 4,155 births to women who reported substance use during pregnancy				

eTable 5. E-Values for Observed Associations	
Month of prenatal care initiation	E-value
Child abuse policy only	1.78
Reporting policy only	1.55
Both policies	1.67
Adequacy of prenatal care	E-value
Child abuse policy only	1.63
Reporting policy only	1.32
Both policies	1.29
Postpartum visit	E-value
Child abuse policy only	1.56
Reporting policy only	1.50
Both policies	1.39