

APPENDIX

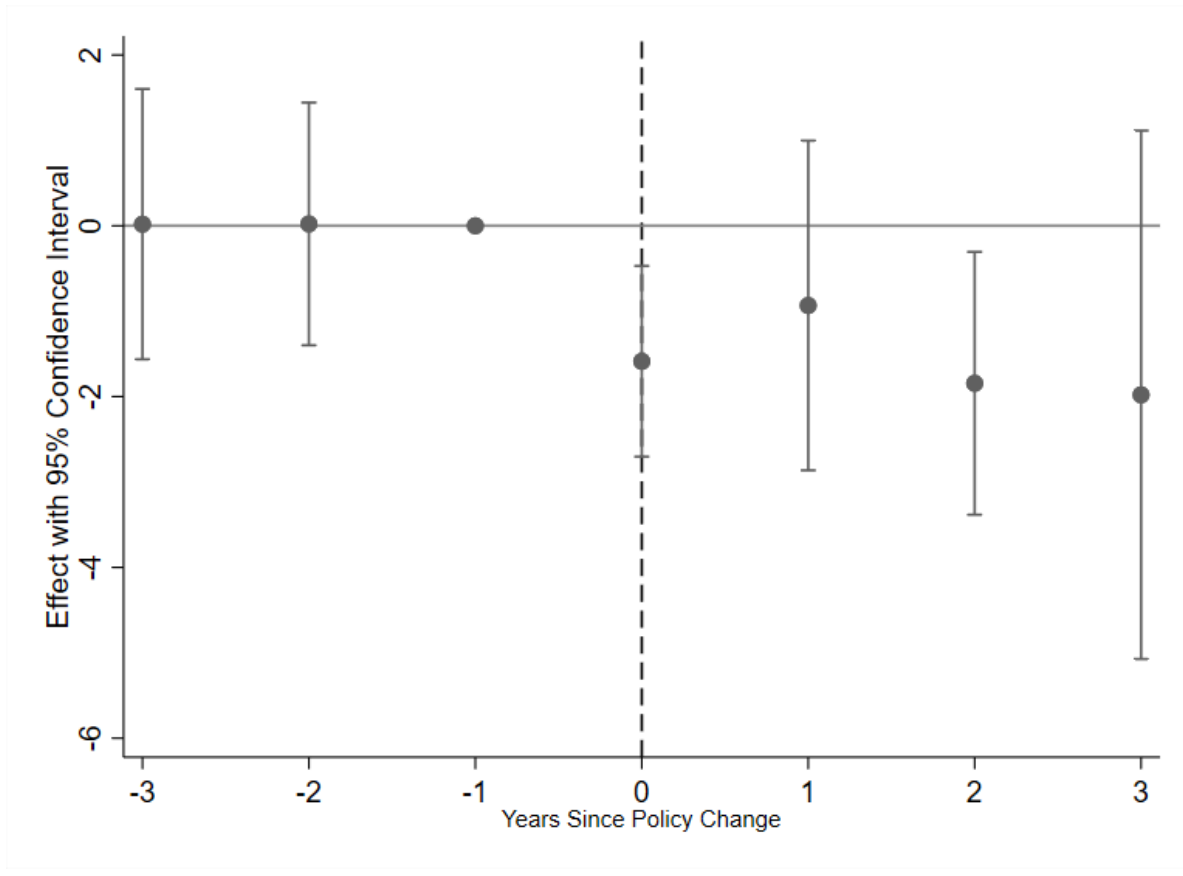
Appendix Exhibit A1. States and years of data available for analysis of pregnancy-associated homicide for the years 2011-2019 and year of firearm prohibition policy implementation for the years 2010-2018.

State	Years of pregnancy-associated homicide data analyzed	Prohibition of firearm possession by persons convicted of an IPV-related misdemeanor	Relinquishment of firearm required for persons prohibited from possession due to an IPV-related misdemeanor	Prohibition of firearm possession by persons under IPV-related restraining order	Relinquishment of firearm required for persons prohibited from possession due to an IPV-related restraining order
Alabama	2016-2019	2015	-	2015	-
Alaska	2014-2019	-	-	-	-
Arizona	2011-2019	-	-	-	-
Arkansas	2011-2019	-	-	-	-
California	2011-2019	<2010	<2010	<2010	<2010
Colorado	2015-2019	2013	2013	2013	2013
Connecticut	2011-2019	<2010	<2010	<2010	<2010
Delaware	2011-2019	<2010	-	<2010	-
Florida	2011-2019	-	-	<2010	-
Georgia	2011-2019	-	-	-	-
Hawaii	2014-2019	<2010	<2010	<2010	<2010
Idaho	2011-2019	-	-	-	-
Illinois	2011-2019	<2010	2013	<2010	<2010
Indiana	2011-2019	<2010	-	-	-
Iowa	2011-2019	2010	2010	2010	2010
Kansas	2011-2019	-	-	2018	-
Kentucky	2011-2019	-	-	-	-
Louisiana	2013-2019	2014	2018	2014	2018
Maine	2011-2019	2015	-	<2010	-
Maryland	2011-2019	<2010	2018	<2010	<2010
Massachusetts	2015-2019	<2010	<2010	<2010	<2010
Michigan	2011-2019	-	-	-	-
Minnesota	2012-2019	<2010	<2010	2014	2014
Mississippi	2012-2019	-	-	-	-
Missouri	2012-2019	-	-	-	-
Montana	2011-2019	-	-	-	-
Nebraska	2011-2019	<2010	-	-	-
Nevada	2011-2019	2015	2017	2015	-
New Hampshire	2011-2019	-	-	<2010	<2010
New Jersey	2011-2019	<2010	2017	<2010	2017
New Mexico	2011-2019	-	-	-	-
New York	2011-2019	<2010	2014	<2010	<2010
North Carolina	2014-2019	-	-	<2010	<2010
North Dakota	2011-2019	-	-	-	-
Ohio	2011-2019	-	-	-	-
Oklahoma	2011-2019	-	-	-	-

Oregon	2011-2019	2016	-	2016	-
Pennsylvania	2012-2019	<2010	<2010	2018	2018
Rhode Island	2011-2019	2017	2017	2017	2017
South Carolina	2011-2019	-	-	-	-
South Dakota	2011-2019	<2010	-	-	-
Tennessee	2012-2019	<2010	<2010	<2010	<2010
Texas	2011-2019	<2010	-	<2010	-
Utah	2011-2019	2017	-	2017	-
Vermont	2011-2019	2015	-	-	-
Virginia	2015-2019	-	-	2016	-
Washington	2011-2019	<2010	-	<2010	<2010
West Virginia	2018-2019	<2010	-	<2010	-
Wisconsin	2014-2019	-	-	<2010	<2010
Wyoming	2011-2019	-	-	-	-

SOURCE: Dates of death record pregnancy checkbox implementation for pregnancy-associated homicide are from Hoyert DL, Uddin SFG, Miniño AM. Evaluation of the pregnancy status checkbox on the identification of maternal deaths. National Vital Statistics Reports; vol 69 no 1. Hyattsville, MD: National Center for Health Statistics. 2020. State legislation dates are from legal review.

Appendix Exhibit A2. Relative impacts of firearm prohibition laws on pregnancy-associated homicide (all cases), US 2011-2019.



SOURCE: Author's analysis of pregnancy-associated homicide mortality data from the National Center for Health Statistics and state legislation dates from legal review. NOTES: Figure shows relative time impacts of state laws that require relinquishment of firearms when convicted of a domestic violence-related misdemeanor on pregnancy-associated homicide (deaths per 100,000 live births). All data are from a single regression where the omitted category is the year before each state passes the legislation. Point estimates from a single regression are shown as dots and 95% confidence intervals based on Huber-White cluster-robust standard errors at the state level are shown as whiskers.

Appendix EXHIBIT A3. Placebo test for associations between state firearm prohibition policies (2010-2018) and pneumonia mortality (deaths per 100,000 live births).

Firearm law	Pneumonia mortality ^a	
	Beta (95% CI)	P
Prohibition of firearm possession by persons convicted of an IPV-related misdemeanor^b		
Relinquishment not required	-0.20 (-1.23, 0.83)	0.70
Relinquishment required	-0.06 (-1.61, 1.49)	0.94
Prohibition of firearm possession by persons subject to an IPV-related restraining order^b		
Relinquishment not required	-0.74 (-1.83, 0.34)	0.18
Relinquishment required	-0.63 (-1.92, 0.65)	0.33
Prohibition and surrender by persons convicted of a misdemeanor^c		
	-0.48 (-1.00, 0.04)	0.07
Prohibition and surrender by persons subject to a restraining order^c		
	1.05 (-0.05, 2.14)	0.06

SOURCE: Author’s analysis of pneumonia mortality data from the National Center for Health Statistics and state legislation dates from legal review. NOTES: a. Adjusted model includes state, year, gun homicide and stranger homicide rate, state Medicaid family planning waiver, median household income, income inequality, poverty, gun ownership, percentage of births by maternal race and age during policy implementation year. c. Reference group is state years without this law. d. Reference group is state years with the possession prohibition law but no relinquishment law.