

Supplementary Table 1. Adjusted difference-in-differences (DID) estimators of RGGI impact on infant deaths

Variable	Change in NMRs, per 1,000 live births (SE)			Change in IMRs, per 1,000 live births (SE)		
	Total	Boys	Girls	Total	Boys	Girls
GDP	-1.88e-06 (1.25e-06)	-2.00e-06 (1.28e-06)	-1.97e-06 (1.39e-06)	-2.91e-06 (1.65e-06)	-2.79e-06 (1.99e-06)	-2.61e-06 (1.93e-06)
Population	-0.0000360 (0.0002067)	-0.0000299 (0.0002216)	-0.0000188 (0.0002071)	-0.0000263 (0.0002662)	-0.0002092 (0.0003427)	-0.0001206 (0.0002697)
Median household income	-5.85e-06 (0.0000141)	-8.64e-06 (0.0000172)	-4.58e-07 (0.0000157)	-1.35e-06 (0.0000214)	4.98e-07 (0.0000296)	9.99e-06 (0.0000238)
Number of birth	2.78e-06 (4.68e-06)	5.97e-06 (5.66e-06)	1.92e-07 (4.85e-06)	2.03e-06 (6.44e-06)	0.0000123 (0.0000103)	3.95e-06 (6.05e-06)
Birth Weight	-0.0076359 (0.0052305)	-0.0035722 (0.0045584)	-0.0116215 (0.0069459)	-0.0122315 (0.0078172)	-0.0113665 (0.0086324)	-0.0187593 (0.0109595)
Birth rate of black babies	0.0063794 (0.0238573)	-0.0096344 (0.0353815)	0.0077642 (0.0334679)	0.0716882* (0.0325216)*	0.0893118 (0.0574333)	0.1210886*** (0.0289431)***
Mother's education level	-0.0071810 (0.0103181)	-0.0132788 (0.0138172)	-0.0021547 (0.0087753)	-0.0195957 (0.0183909)	-0.0280922 (0.0239215)	-0.0132134 (0.0166749)
Number of hospital	-0.0219685* (0.0086807)*	-0.0244326* (0.0092209)*	-0.0183177 (0.0097582)	-0.0247253* (0.0113998)*	-0.0311929 (0.0160545)	-0.0283967 (0.0133996)
Average temperature	0.0174274 (0.0150550)	0.0272269 (0.0210809)	0.0194400 (0.0169550)	0.0266512 (0.0176760)	0.0386144 (0.0280729)	0.0509284 (0.0259600)
Interaction term^a	-0.4052746*** (0.0916352)***	-0.4250920* (0.1698959)*	-0.2150693 (0.1225956)	-0.3704602** (0.1179390)**	-0.6083323** (0.1696649)**	-0.2418583 (0.1294273)

RGGI: regional greenhouse gas initiative; NMRs: neonatal mortality rates; IMRs: infant mortality rates

* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

^a This interaction term between RGGI status and time captures the impacts of RGGI on mortality outcomes.

Supplementary Table 2. Impact of an air pollutant (CO₂) on infant deaths

Variable	Change in NMRs, per 1,000 live births (SE)			Change in IMRs, per 1,000 live births (SE)		
	Total	Boys	Girls	Total	Boys	Girls
<i>CO</i> ₂	0.0073101* (0.0029335)*	0.0097754** (0.0034832)**	0.0046792 (0.0033975)	0.0087438* (0.0037278)*	0.0110848* (0.0051819)*	0.0056487 (0.0044528)
GDP	-2.08e-06 (1.15e-06)	-2.13e-06 (1.10e-06)	-2.06e-06 (1.31e-06)	-3.02e-06* (1.50e-06)*	-3.08e-06 (1.77e-06)	-2.68e-06 (1.84e-06)
Population	0.0000573 (0.0002021)	0.0000755 (0.0002144)	0.0000336 (0.0002054)	0.0000658 (0.0002579)	-0.0000687 (0.0003335)	-0.0000607 (0.0002709)
Median household income	-6.94e-06 (0.0000144)	-0.0000106 (0.0000171)	-8.30e-07 (0.0000160)	-3.18e-06 (0.0000218)	-1.18e-06 (0.0000297)	9.09e-06 (0.0000243)
Number of birth	-4.27e-07 (5.15e-06)	1.57e-06 (6.69e-06)	-1.99e-06 (4.63e-06)	-1.87e-06 (7.61e-06)	7.40e-06 (0.0000120)	1.40e-06 (6.30e-06)
Birth weight	-0.0072781 (0.0051858)	-0.0032641 (0.0044564)	-0.0116317 (0.0069323)	-0.0120309 (0.0077799)	-0.0108363 (0.0085672)	-0.0186375 (0.0109247)
Birth rate of black babies	0.0087439 (0.0260100)	-0.0080372 (0.0391740)	0.0080809 (0.0327923)	0.0719989* (0.0335050)*	0.0927604 (0.0604250)	0.1210849*** (0.0285270)***
Mother's education level	-0.0081373 (0.0117144)	-0.0137028 (0.0152520)	-0.0023198 (0.0094808)	-0.0199148 (0.0196440)	-0.0294975 (0.0259741)	-0.0133894 (0.0173335)
Number of hospital	-0.0171739* (0.0084390)*	-0.0188265* (0.0088341)*	-0.0155750 (0.0094244)	-0.0198103 (0.0108497)	-0.0239671 (0.0153916)	-0.0251878 (0.0128164)
Average temperature	0.0125618 (0.0155256)	0.0234299 (0.0206881)	0.0176772 (0.0171763)	0.0229965 (0.0173919)	0.0313541 (0.0273600)	0.0489418 (0.0260103)

RGGI: regional greenhouse gas initiative; NMRs: neonatal mortality rates; IMRs: infant mortality rates

* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$