Table S2: Falsification test for neonatal mortality using hypothetical policy imposed in year 2014

|  | Age: 0-3 Days Old | | | Age: 0-2 Days Old | | | Age: 0-1 Days Old | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| 2014 Hypothetical Policy Dummy | -0.001 | -0.002 | -0.008 | -0.017 | -0.016 | -0.080 | -0.030 | -0.049 | -0.107 |
|  | (0.057) | (0.040) | (0.082) | (0.059) | (0.041) | (0.082) | (0.063) | (0.044) | (0.085) |
| African American (%) |  |  | 3.307 |  |  | 5.557 |  |  | 5.014 |
|  |  |  | (3.666) |  |  | (4.100) |  |  | (4.617) |
| American Indian and Alaskan Native |  |  | 1.345 |  |  | 3.720 |  |  | 1.987 |
|  |  |  | (23.773) |  |  | (24.513) |  |  | (25.520) |
| Hispanic American (%) |  |  | -8.845 |  |  | -6.607 |  |  | -7.164 |
|  |  |  | (4.662) |  |  | (5.006) |  |  | (5.627) |
| Asian American (%) |  |  | 1.547 |  |  | 4.150 |  |  | -2.556 |
|  |  |  | (6.256) |  |  | (6.597) |  |  | (7.338) |
| Median Household Income (Logged) |  |  | 1.802\* |  |  | 1.723 |  |  | 1.735 |
|  |  |  | (0.899) |  |  | (0.931) |  |  | (0.954) |
| Children in Poverty (%) |  |  | 3.213\* |  |  | 2.969 |  |  | 3.368\* |
|  |  |  | (1.504) |  |  | (1.603) |  |  | (1.616) |
| Rural Population (%) |  |  | 0.122 |  |  | 0.043 |  |  | -0.083 |
|  |  |  | (1.194) |  |  | (1.228) |  |  | (1.303) |
| High School Graduation |  |  | -0.073 |  |  | 0.054 |  |  | -0.140 |
|  |  |  | (0.640) |  |  | (0.673) |  |  | (0.707) |
| Some College Edu (%) |  |  | -0.488 |  |  | -0.234 |  |  | -0.607 |
|  |  |  | (2.833) |  |  | (2.897) |  |  | (2.993) |
| Adult Smoking (%) |  |  | 1.367 |  |  | 0.925 |  |  | 1.692 |
|  |  |  | (2.944) |  |  | (3.003) |  |  | (3.189) |
| Unemployment Rate |  |  | -1.917 |  |  | -3.061 |  |  | -3.850 |
|  |  |  | (2.812) |  |  | (2.872) |  |  | (3.119) |
| Low Birthweight (%) |  |  | -12.495 |  |  | -10.687 |  |  | -11.942 |
|  |  |  | (14.618) |  |  | (14.610) |  |  | (15.302) |
| Female (%) |  |  | -8.625 |  |  | -8.595 |  |  | -7.244 |
|  |  |  | (10.513) |  |  | (10.809) |  |  | (11.390) |
| HIV Prevalence |  |  | -0.298 |  |  | -0.320 |  |  | -0.314 |
|  |  |  | (0.233) |  |  | (0.237) |  |  | (0.235) |
| Per Capita Sexually Transmitted Infections |  |  | 0.075 |  |  | 0.079 |  |  | 0.082 |
|  |  |  | (0.054) |  |  | (0.054) |  |  | (0.054) |
| N Obs. | 4440 | 4440 | 3573 | 4159 | 4159 | 3367 | 3713 | 3713 | 3035 |
| Adjusted R Squared | 0.000 | 0.621 | 0.501 | 0.000 | 0.636 | 0.520 | 0.000 | 0.730 | 0.639 |
| State FE | N | Y | Y | N | Y | Y | N | Y | Y |
| Age FE | N | Y | Y | N | Y | Y | N | Y | Y |
| \* p < 0.05, \*\* p < 0.01, \*\*\* p < 0.001 | | | | | | | | | |
| Note: This table conducts a falsification/sensitivity test to examine the effect of a hypothetical policy imposed in 2014, rather than 2018 (the true policy), on the county-level neonatal mortality rate, where we expect an insignificant effect, rather than a significant result. We estimated Eq (1), where the dependent variable is the neonatal mortality rate, while the independent variable of interest is the 2014 hypothetical HBV policy dummy (referred to as the 2014 Hypothetical Policy Dummy in the table). It takes a binary value of one if the year is after 2013 and zero otherwise. The results show that the hypothetical HBV policy in 2014 had no effect on the mortality rate. This means our results in Table 5 are most likely due to the true HBV policy in 2018 and not other unobserved policies or factors. Details about these variables are available from the data source County Health Rankings. Age 0-2 days include 0-1 and 0-2 days. Age 0-3 days include 0-1, 0-2, and 0-3 days. \* p < 0.05, \*\* p < 0.01, \*\*\* p < 0.001 | | | | | | | | | |