Table 1 (Panel A): County-level first-dose HBV vaccination rate, mortality rate, and socioeconomic and demographic characteristics of neonates

|  | Age: 0-3 Days Old | | | Age: 0-2 Days Old | | | Age: 0-1 Days Old | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Pre-Policy | Post-Policy | Difference | Pre-Policy | Post-Policy | Difference | Pre-Policy | Post-Policy | Difference |
|  | 2011-2016 | 2018-2019 |  | 2011-2016 | 2018-2019 |  | 2011-2016 | 2018-2019 |  |
| HBV Vaccination Rate | 66.798 | 76.012 | 9.214\*\*\* | 66.447 | 75.709 | 9.262\*\*\* | 66.010 | 75.379 | 9.370\*\*\* |
|  | (8.764) | (6.280) |  | (8.701) | (6.257) |  | (8.692) | (6.170) |  |
| Infant Mortality Rate | 2.426 | 2.021 | -0.406\*\*\* | 2.571 | 2.150 | -0.420\*\*\* | 2.833 | 2.387 | -0.447\*\*\* |
|  | (2.353) | (1.901) |  | (2.359) | (1.904) |  | (2.353) | (1.896) |  |
| Log Number of Housing Units | 11.332 | 11.473 | 0.141\*\*\* | 11.234 | 11.386 | 0.152\*\*\* | 11.071 | 11.227 | 0.156\*\*\* |
|  | (1.278) | (1.250) |  | (1.234) | (1.217) |  | (1.163) | (1.154) |  |
| Log Number of Multi-Unit Housing | 8.690 | 8.929 | 0.239\*\*\* | 8.543 | 8.805 | 0.261\*\*\* | 8.298 | 8.565 | 0.267\*\*\* |
|  | (2.019) | (1.951) |  | (1.963) | (1.910) |  | (1.871) | (1.825) |  |
| Log Number of Mobile Homes | 8.204 | 8.257 | 0.053 | 8.167 | 8.223 | 0.056+ | 8.136 | 8.182 | 0.046 |
|  | (1.150) | (1.161) |  | (1.114) | (1.139) |  | (1.064) | (1.082) |  |
| Log Number of Crowded Housing | 7.408 | 7.603 | 0.194\*\*\* | 7.281 | 7.489 | 0.208\*\*\* | 7.073 | 7.278 | 0.205\*\*\* |
|  | (1.602) | (1.577) |  | (1.531) | (1.520) |  | (1.414) | (1.412) |  |
| Log Number of No Vehicle Households | 8.511 | 8.607 | 0.097\* | 8.397 | 8.511 | 0.113\*\* | 8.206 | 8.324 | 0.118\*\* |
|  | (1.513) | (1.483) |  | (1.454) | (1.443) |  | (1.349) | (1.348) |  |
| Log Number of Limited English Speakers | 8.130 | 8.259 | 0.129\* | 7.964 | 8.109 | 0.145\* | 7.681 | 7.822 | 0.141\* |
|  | (2.219) | (2.264) |  | (2.151) | (2.218) |  | (2.032) | (2.124) |  |
| African American (%) | 0.127 | 0.127 | 0.001 | 0.123 | 0.125 | 0.002 | 0.119 | 0.120 | 0.001 |
|  | (0.140) | (0.137) |  | (0.139) | (0.136) |  | (0.139) | (0.136) |  |
| American Indian and Alaskan Native (%) | 0.014 | 0.012 | -0.001 | 0.014 | 0.012 | -0.002 | 0.015 | 0.013 | -0.002 |
|  | (0.051) | (0.034) |  | (0.052) | (0.035) |  | (0.054) | (0.037) |  |
| Hispanic American (%) | 0.109 | 0.127 | 0.018\*\*\* | 0.104 | 0.122 | 0.018\*\*\* | 0.097 | 0.113 | 0.016\*\*\* |
|  | (0.136) | (0.147) |  | (0.132) | (0.141) |  | (0.126) | (0.131) |  |
| Asian American (%) | 0.028 | 0.034 | 0.006\*\*\* | 0.026 | 0.032 | 0.006\*\*\* | 0.023 | 0.029 | 0.006\*\*\* |
|  | (0.033) | (0.038) |  | (0.031) | (0.036) |  | (0.028) | (0.033) |  |
| Median Household Income (Logged) | 10.802 | 10.934 | 0.131\*\*\* | 10.796 | 10.928 | 0.131\*\*\* | 10.782 | 10.914 | 0.132\*\*\* |
|  | (0.251) | (0.256) |  | (0.250) | (0.255) |  | (0.243) | (0.249) |  |
| Children in Poverty (%) | 0.219 | 0.194 | -0.025\*\*\* | 0.219 | 0.195 | -0.025\*\*\* | 0.221 | 0.196 | -0.025\*\*\* |
|  | (0.086) | (0.082) |  | (0.086) | (0.081) |  | (0.085) | (0.081) |  |
| Rural Population (%) | 0.273 | 0.246 | -0.027\*\*\* | 0.285 | 0.257 | -0.029\*\*\* | 0.307 | 0.278 | -0.030\*\*\* |
|  | (0.239) | (0.228) |  | (0.238) | (0.229) |  | (0.237) | (0.229) |  |
| High School Graduation | 0.803 | 0.854 | 0.051\*\*\* | 0.805 | 0.854 | 0.050\*\*\* | 0.807 | 0.856 | 0.050\*\*\* |
|  | (0.093) | (0.070) |  | (0.092) | (0.070) |  | (0.091) | (0.070) |  |
| Some College Edu (%) | 0.603 | 0.633 | 0.030\*\*\* | 0.600 | 0.631 | 0.031\*\*\* | 0.596 | 0.627 | 0.032\*\*\* |
|  | (0.107) | (0.100) |  | (0.107) | (0.100) |  | (0.106) | (0.100) |  |
| Adult Smoking (%) | 0.195 | 0.169 | -0.025\*\*\* | 0.196 | 0.170 | -0.026\*\*\* | 0.199 | 0.172 | -0.027\*\*\* |
|  | (0.049) | (0.033) |  | (0.049) | (0.033) |  | (0.049) | (0.032) |  |
| Unemployment Rate | 0.081 | 0.047 | -0.034\*\*\* | 0.081 | 0.047 | -0.034\*\*\* | 0.081 | 0.047 | -0.034\*\*\* |
|  | (0.025) | (0.013) |  | (0.025) | (0.013) |  | (0.025) | (0.013) |  |
| Low Birthweight (%) | 0.082 | 0.082 | 0.000 | 0.082 | 0.082 | 0.000 | 0.082 | 0.082 | 0.000 |
|  | (0.016) | (0.015) |  | (0.016) | (0.015) |  | (0.017) | (0.015) |  |
| Female (%) | 0.508 | 0.508 | 0.000 | 0.508 | 0.508 | 0.000 | 0.507 | 0.507 | 0.000 |
|  | (0.013) | (0.012) |  | (0.013) | (0.012) |  | (0.013) | (0.012) |  |
| HIV Prevalence | 1.726 | 1.616 | -0.110 | 1.784 | 1.663 | -0.121 | 1.900 | 1.771 | -0.129 |
|  | (3.340) | (2.740) |  | (3.413) | (2.796) |  | (3.559) | (2.929) |  |
| Per Capita Sexually Transmitted Infections | 4.149 | 3.944 | -0.205 | 4.336 | 4.133 | -0.203 | 4.680 | 4.499 | -0.181 |
|  | (7.014) | (6.069) |  | (7.160) | (6.218) |  | (7.398) | (6.470) |  |
| Note: The summary statistics table reports the means and standard deviations (in parentheses) of all variables in our final merged data, which consist of 8,397 total county-year observations from 2011 to 2019. Age 0-2 days include 0-1 and 0-2 days. Age 0-3 days include 0-1, 0-2, and 0-3 days. The policy is the CDC's changed recommendation of the first-dose HBV vaccination to neonates within 24 hours of birth on January 12, 2018. The asterisk in the third column of each panel denotes whether each pre and post-period difference is statistically significant at three levels: \* p < 0.1, \*\* p < 0.05, \*\*\* p < 0.01. | | | | | | | | | |