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 |
|  | 2011-2017 | 2018-2019 |  | 2011-2017 | 2018-2019 |  | 2011-2017 | 2018-2019 |  |
| HBV Vaccination Rate | 67.447 | 76.012 | 8.564\*\*\* | 67.096 | 75.709 | 8.613\*\*\* | 66.663 | 75.379 | 8.716\*\*\* |
|  | (8.739) | (6.280) |  | (8.679) | (6.257) |  | (8.661) | (6.170) |  |
| Infant Mortality Rate | 2.393 | 2.021 | -0.372\*\*\* | 2.534 | 2.150 | -0.384\*\*\* | 2.789 | 2.387 | -0.402\*\*\* |
|  | (2.312) | (1.901) |  | (2.318) | (1.904) |  | (2.312) | (1.896) |  |
| African American (%) | 0.127 | 0.127 | 0.000 | 0.124 | 0.125 | 0.001 | 0.120 | 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 | -0.001 | 0.015 | 0.013 | -0.002 |
|  | (0.050) | (0.034) |  | (0.051) | (0.035) |  | (0.053) | (0.037) |  |
| Hispanic American (%) | 0.110 | 0.127 | 0.018\*\*\* | 0.105 | 0.122 | 0.017\*\*\* | 0.098 | 0.113 | 0.015\*\*\* |
|  | (0.136) | (0.147) |  | (0.133) | (0.141) |  | (0.126) | (0.131) |  |
| Asian American (%) | 0.029 | 0.034 | 0.005\*\*\* | 0.027 | 0.032 | 0.005\*\*\* | 0.024 | 0.029 | 0.005\*\*\* |
|  | (0.034) | (0.038) |  | (0.032) | (0.036) |  | (0.028) | (0.033) |  |
| Median Household Income (Logged) | 10.812 | 10.934 | 0.122\*\*\* | 10.806 | 10.928 | 0.122\*\*\* | 10.792 | 10.914 | 0.122\*\*\* |
|  | (0.252) | (0.256) |  | (0.251) | (0.255) |  | (0.244) | (0.249) |  |
| Children in Poverty (%) | 0.218 | 0.194 | -0.024\*\*\* | 0.218 | 0.195 | -0.024\*\*\* | 0.220 | 0.196 | -0.024\*\*\* |
|  | (0.086) | (0.082) |  | (0.086) | (0.081) |  | (0.085) | (0.081) |  |
| Rural Population (%) | 0.272 | 0.246 | -0.026\*\*\* | 0.284 | 0.257 | -0.027\*\*\* | 0.305 | 0.278 | -0.028\*\*\* |
|  | (0.239) | (0.228) |  | (0.239) | (0.229) |  | (0.238) | (0.229) |  |
| High School Graduation | 0.808 | 0.854 | 0.046\*\*\* | 0.810 | 0.854 | 0.045\*\*\* | 0.812 | 0.856 | 0.045\*\*\* |
|  | (0.092) | (0.070) |  | (0.091) | (0.070) |  | (0.090) | (0.070) |  |
| Some College Edu (%) | 0.606 | 0.633 | 0.027\*\*\* | 0.604 | 0.631 | 0.028\*\*\* | 0.599 | 0.627 | 0.028\*\*\* |
|  | (0.106) | (0.100) |  | (0.106) | (0.100) |  | (0.106) | (0.100) |  |
| Adult Smoking (%) | 0.191 | 0.169 | -0.022\*\*\* | 0.193 | 0.170 | -0.023\*\*\* | 0.195 | 0.172 | -0.023\*\*\* |
|  | (0.048) | (0.033) |  | (0.048) | (0.033) |  | (0.048) | (0.032) |  |
| Unemployment Rate | 0.078 | 0.047 | -0.030\*\*\* | 0.077 | 0.047 | -0.030\*\*\* | 0.077 | 0.047 | -0.030\*\*\* |
|  | (0.025) | (0.013) |  | (0.025) | (0.013) |  | (0.026) | (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 | 1.725 | 1.616 | -0.109 | 1.780 | 1.663 | -0.116 | 1.893 | 1.771 | -0.122 |
|  | (3.297) | (2.740) |  | (3.367) | (2.796) |  | (3.508) | (2.929) |  |
| Per Capita Sexually Transmitted Infections | 4.155 | 3.944 | -0.211 | 4.339 | 4.133 | -0.206 | 4.681 | 4.499 | -0.182 |
|  | (7.144) | (6.069) |  | (7.295) | (6.218) |  | (7.543) | (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. | | | | | | | | | |