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 | 66.798 | 74.501 | 7.704\*\*\* | 66.447 | 74.172 | 7.725\*\*\* | 66.010 | 73.780 | 7.770\*\*\* |
|  | (8.764) | (6.984) |  | (8.701) | (6.964) |  | (8.692) | (6.906) |  |
| Infant Mortality Rate | 2.426 | 2.074 | -0.352\*\*\* | 2.571 | 2.202 | -0.369\*\*\* | 2.833 | 2.430 | -0.403\*\*\* |
|  | (2.353) | (1.944) |  | (2.359) | (1.948) |  | (2.353) | (1.940) |  |
| Log Number of Housing Units | 11.332 | 11.443 | 0.111\*\*\* | 11.234 | 11.359 | 0.125\*\*\* | 11.071 | 11.206 | 0.135\*\*\* |
|  | (1.278) | (1.240) |  | (1.234) | (1.208) |  | (1.163) | (1.144) |  |
| Log Number of Multi-Unit Housing | 8.690 | 8.877 | 0.187\*\*\* | 8.543 | 8.752 | 0.209\*\*\* | 8.298 | 8.521 | 0.223\*\*\* |
|  | (2.019) | (1.955) |  | (1.963) | (1.913) |  | (1.871) | (1.829) |  |
| Log Number of Mobile Homes | 8.204 | 8.244 | 0.039 | 8.167 | 8.216 | 0.049+ | 8.136 | 8.180 | 0.044 |
|  | (1.150) | (1.155) |  | (1.114) | (1.136) |  | (1.064) | (1.078) |  |
| Log Number of Crowded Housing | 7.408 | 7.560 | 0.151\*\*\* | 7.281 | 7.450 | 0.170\*\*\* | 7.073 | 7.251 | 0.178\*\*\* |
|  | (1.602) | (1.569) |  | (1.531) | (1.511) |  | (1.414) | (1.404) |  |
| Log Number of No Vehicle Households | 8.511 | 8.589 | 0.079\* | 8.397 | 8.493 | 0.096\*\* | 8.206 | 8.313 | 0.107\*\* |
|  | (1.513) | (1.474) |  | (1.454) | (1.431) |  | (1.349) | (1.336) |  |
| Log Number of Limited English Speakers | 8.130 | 8.213 | 0.083 | 7.964 | 8.069 | 0.105+ | 7.681 | 7.796 | 0.115\* |
|  | (2.219) | (2.229) |  | (2.151) | (2.180) |  | (2.032) | (2.082) |  |
| African American (%) | 0.127 | 0.128 | 0.002 | 0.123 | 0.125 | 0.002 | 0.119 | 0.121 | 0.002 |
|  | (0.140) | (0.138) |  | (0.139) | (0.137) |  | (0.139) | (0.138) |  |
| American Indian and Alaskan Native | 0.014 | 0.013 | -0.001 | 0.014 | 0.013 | -0.001 | 0.015 | 0.013 | -0.001 |
|  | (0.051) | (0.038) |  | (0.052) | (0.039) |  | (0.054) | (0.041) |  |
| Hispanic American (%) | 0.109 | 0.122 | 0.013\*\*\* | 0.104 | 0.118 | 0.014\*\*\* | 0.097 | 0.109 | 0.012\*\*\* |
|  | (0.136) | (0.143) |  | (0.132) | (0.139) |  | (0.126) | (0.130) |  |
| Asian American (%) | 0.028 | 0.033 | 0.005\*\*\* | 0.026 | 0.032 | 0.006\*\*\* | 0.023 | 0.029 | 0.005\*\*\* |
|  | (0.033) | (0.038) |  | (0.031) | (0.036) |  | (0.028) | (0.033) |  |
| Median Household Income (Logged) | 10.802 | 10.913 | 0.111\*\*\* | 10.796 | 10.907 | 0.111\*\*\* | 10.782 | 10.894 | 0.111\*\*\* |
|  | (0.251) | (0.256) |  | (0.250) | (0.254) |  | (0.243) | (0.248) |  |
| Children in Poverty (%) | 0.219 | 0.200 | -0.019\*\*\* | 0.219 | 0.201 | -0.019\*\*\* | 0.221 | 0.202 | -0.019\*\*\* |
|  | (0.086) | (0.083) |  | (0.086) | (0.082) |  | (0.085) | (0.081) |  |
| Rural Population (%) | 0.273 | 0.252 | -0.021\*\*\* | 0.285 | 0.263 | -0.022\*\*\* | 0.307 | 0.283 | -0.024\*\*\* |
|  | (0.239) | (0.232) |  | (0.238) | (0.233) |  | (0.237) | (0.233) |  |
| High School Graduation | 0.803 | 0.849 | 0.046\*\*\* | 0.805 | 0.850 | 0.045\*\*\* | 0.807 | 0.851 | 0.045\*\*\* |
|  | (0.093) | (0.073) |  | (0.092) | (0.073) |  | (0.091) | (0.073) |  |
| Some College Edu (%) | 0.603 | 0.631 | 0.028\*\*\* | 0.600 | 0.628 | 0.028\*\*\* | 0.596 | 0.625 | 0.029\*\*\* |
|  | (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) | (0.032) |  | (0.049) | (0.032) |  | (0.049) | (0.032) |  |
| Unemployment Rate | 0.081 | 0.049 | -0.032\*\*\* | 0.081 | 0.049 | -0.032\*\*\* | 0.081 | 0.050 | -0.032\*\*\* |
|  | (0.025) | (0.013) |  | (0.025) | (0.013) |  | (0.025) | (0.014) |  |
| 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) | (0.016) |  |
| 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 | 1.652 | -0.073 | 1.784 | 1.693 | -0.091 | 1.900 | 1.798 | -0.103 |
|  | (3.340) | (2.840) |  | (3.413) | (2.891) |  | (3.559) | (3.020) |  |
| Per Capita Sexually Transmitted Infections | 4.149 | 4.029 | -0.120 | 4.336 | 4.210 | -0.126 | 4.680 | 4.565 | -0.114 |
|  | (7.014) | (6.759) |  | (7.160) | (6.926) |  | (7.398) | (7.207) |  |
| 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. | | | | | | | | | |