**Supplemental Table 1:** The association between state-issued mask mandates and county level changes in numbers of COVID-19 hospitalizations per 100,000 people and percent of beds occupied with COVID-19 patients, April 1, 2020 – December 31, 2020: Difference-in-difference (DID) and Event studies results

|  |  |  |
| --- | --- | --- |
|   | Dependent Variable: COVID-19 Hospitalizations per 100,000 Population | Dependent Variable: % of County Beds Occupied with COVID-19 Patients |
|   |
|   | **DID Results** | **Event Study Results** | **DID Results** | **Event Study Results** |
|   |   |   |   |   |
| DID Policy Variable | **-3.6 (-5.9, -1.2)** | N/A | **-1.2 (-2.0, -0.3)** | N/A |
|   |   |   |   |   |
| Event Study Variables |   |   |   |   |
|  29-42 days before | - | **-4.2 (-6.7, -1.8)** | - | **-1.7 (-2.6, -1.0)** |
|  15-28 days before | - | **-3.1 (-4.9, -1.2)** | - | **-1.1 (-1.7, -0.4)** |
|  1-14 days before | - | Reference | - | Reference |
|  0-14 days after | - | 0.5 (-0.9, 1.8) | - | 0.3 (-0.2, 0.9) |
|  15-28 days after | - | **-3.4 (-5.6, -1.2)** | - | **-1.1 (-2, -0.3)** |
|  29-42 days after | - | **-7.2 (-10.4, -4.0)** | - | **-2.5 (-3.6, -1.3)** |
|  43-56 days after | - | **-10.4 (-14.2, -6.6)** | - | **-3.6 (-5.0, -2.3)** |
|  57-70 days after | - | **-12.9 (-17.3, -8.6)** | - | **-4.6 (-6.1, -3.2)** |
|   |   |   |   |   |

Data Source: Policy data were collected from state government websites containing executive or administrative orders. County hospitalization data were collected by the Department of Health and Human Services. Notes: All models controlled for other state-issued community prevention policies (i.e., stay-at-home orders, gathering bans, restaurant closures, and bar closures) and included county and day fixed effects. Results are displayed as coefficient estimates, and 95% confidence intervals are reported in parentheses. Bolded estimates indicate p<0.05. All analyses were weighted by county population and estimated with robust standard errors clustered at the county-level.