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| **Table 1**. Covariates and their data sources. | |
| Covariatea | Source |
| * Population Density * Females (%) * Black (%) * Native-American (%) * Hispanic (%) * Asian-American (%) * Non-Hispanic white (%) * Unemployment Rate (%) * Poverty Rate (%) * No Access to Vehicle (%) * Disability (%) * No Health Insurance (%) * Gini Index * Median Age | *American Community Survey, United States Census Bureau, 2020* (10,11) |
| * Average Household Size, 2015-2019 (Persons) * Persons with a 4-year college degree or more, adults 25 and over, 2015-2019 (%) * Persons with no high school diploma or GED, adults 25 and over, 2015-2019 (%) * Civilian labor force 16 and over employed in wholesale and retail trade, 2015-19 (%) * Civilian labor force 16 and over employed in transportation, warehousing and utilities, 2015-2019 (%) | *Atlas of Rural and Small Town America, Economic Resource Service, United States Department of Agriculture (USDA)* (12) |
| * Obesity Prevalenceb, 2017 (%) * Diabetes Prevalenceb, 2013 (%) | *USDA Food Environment Atlas* (13) |
| * Ratio of Total County Non-Federal Emergency Physicians (MD & DO) to County Population, 2019 | *American Medical Association Physician Masterfile* (14) |
| * Cardiovascular Disease Mortality Rateb, 2014 * Cancer Mortality Rateb, 2014 * Respiratory Disease Mortality Rateb, 2014 | *The University of Washington Institute for Health Metrics and Evaluation* (15) |
| * Smoking Prevalenceb, 2019 (%) | *Behavioral Risk Factor Surveillance System* (16) |
| * COVID-19 Case Incidence Count, March 17, 2020-December 17, 2021 (Expressed as a standardized incidence ratio (SIR) using the national or region-specific mean incidence rate to compute the expected case count) † | *The Johns Hopkins Centers for Civic Impact for the Coronavirus Resource Center* (3–5,17), *Centers for Disease Control and Prevention (CDC)* |
| * COVID-19 Vaccination Percentage, as of December 25, 2021 † (%) | *CDC* c(18) |
| * 2020 General Election Vote Differentiald † (%) | *The Guardian, townhall.com, Fox News, Politico, and the New York Times (19)* |
| * Urban-Rural Classification Scheme, 2013 (Metropolitan—*large central metropolitan, large fringe metropolitan, medium metropolitan, and small metropolitan*— and Non-Metropolitan—*micropolitan and noncore*) | *The National Center for Health Statistics* (20) |
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