Supporting Information for "Spatial and temporal trends in social vulnerability and COVID-19 incidence and death rates in the United States"

Figure S1. Per capita incidence (A) and death rates (B) for Brooks County, Texas (population = 7,093; overall SVI score = 1.00)

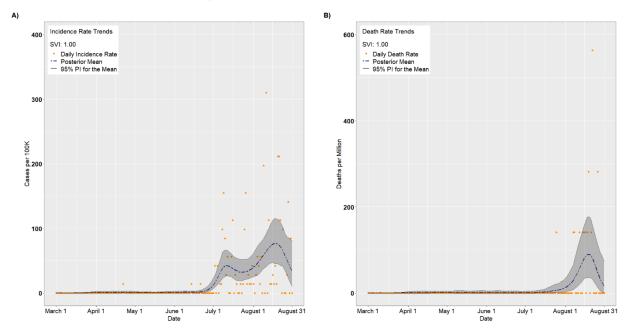


Figure S2. Per capita incidence (A) and death rates (B) for Elbert County, Colorado (population = 26,729; overall SVI score = 0.00)

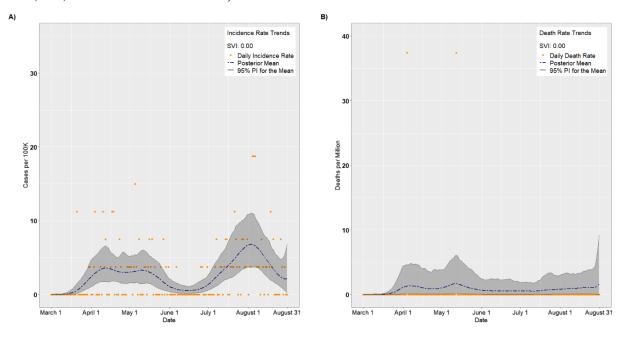


Figure S3. Per capita incidence (A) and death rates (B) for Nassau County, New York (population = 1,356,924; overall SVI score = 0.24)

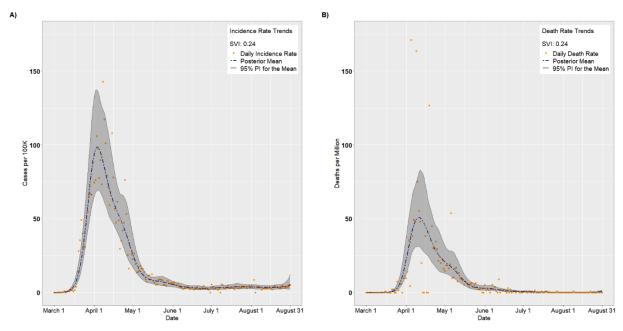


Figure S4. Per capita incidence (A) and death rates (B) for Taylor County, Florida (population = 21,569; overall SVI score = 0.90)

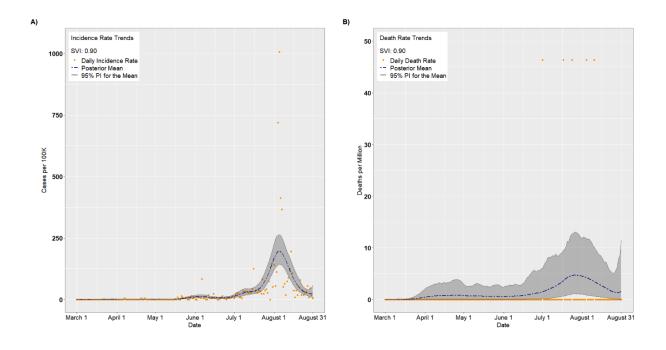


Figure S5. Per capita incidence (A) and risk ratios (B) comparing the upper and lower quartiles of overall SVI using Johns Hopkins data

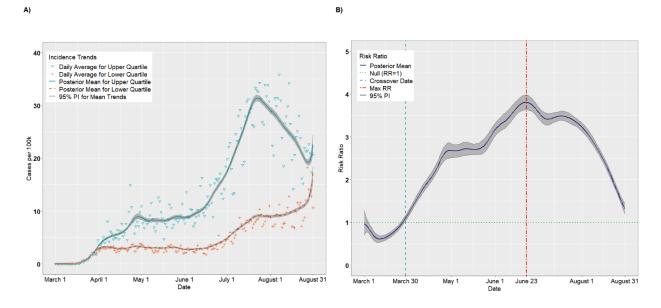


Figure S6. Per capita death rates (A) and risk ratios (B) comparing the upper and lower quartiles of overall SVI using Johns Hopkins data

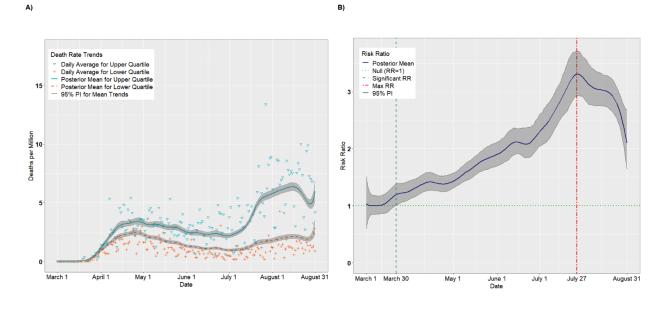


Figure S7. Per capita incidence (A) and risk ratios (B) comparing the upper and lower quartiles of overall SVI in the adjusted analysis

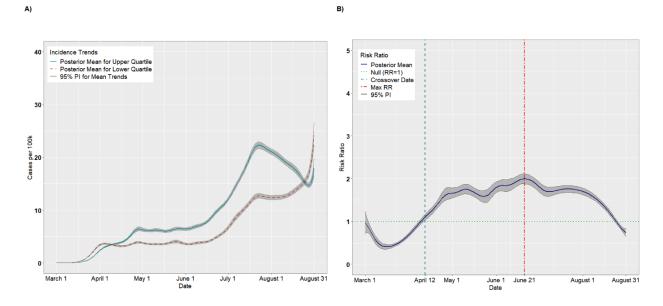


Figure S8. Per capita death rates (A) and risk ratios (B) comparing the upper and lower quartiles of overall SVI in the adjusted analysis

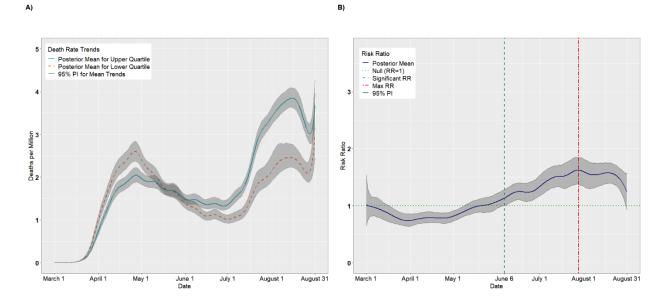


Figure S9. Per capita incidence (A) and risk ratios (B) comparing the upper to lower quartiles of the SVI Socioeconomic Status theme for the reference group in the adjusted analysis

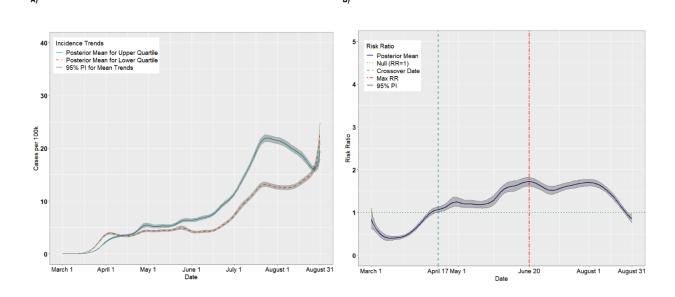


Figure S10. Per capita death rates (A) and risk ratios (B) comparing the upper to lower quartiles of the SVI Socioeconomic Status theme in the adjusted analysis

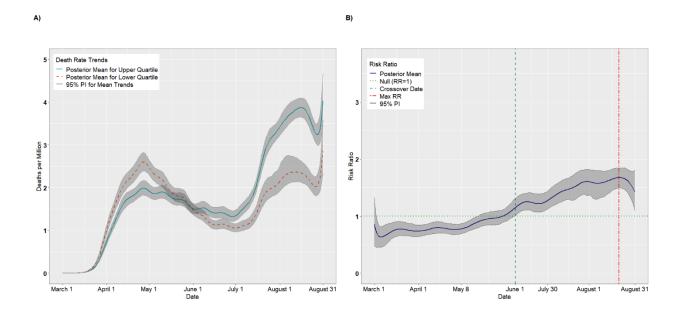


Figure S11. Per capita incidence (A) and risk ratios (B) comparing the upper to lower quartiles of the SVI Household Composition theme in the adjusted analysis

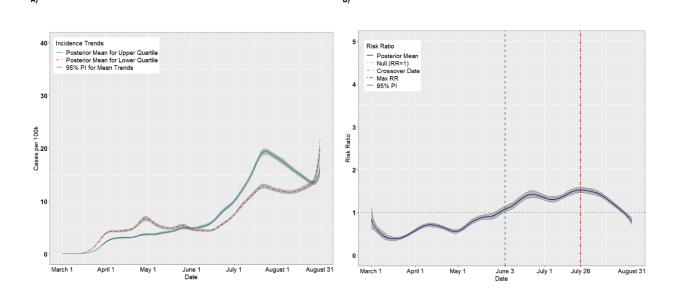


Figure S12. Per capita death rates (A) and risk ratios (B) comparing the upper to lower quartiles of the SVI Household Composition theme in the adjusted analysis

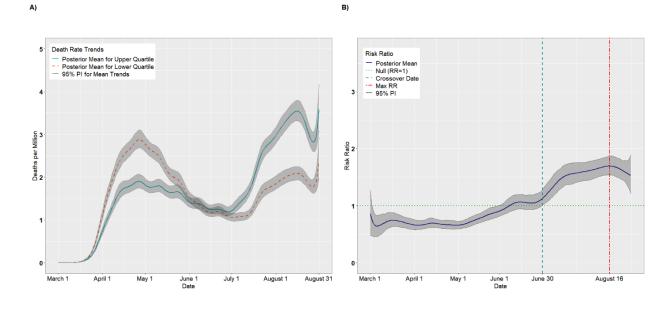


Figure S13. Per capita incidence (A) and risk ratios (B) comparing the upper to lower quartiles of the SVI Race/Ethnicity/Language theme in the adjusted analysis

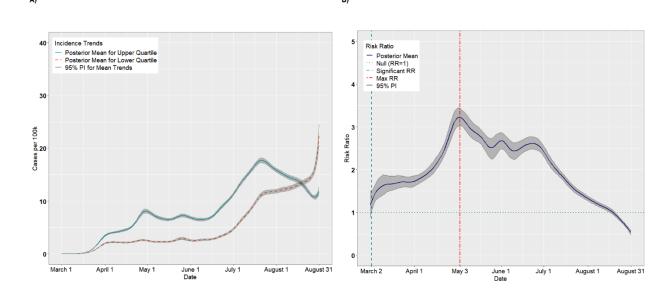


Figure S14. Per capita death rates (A) and risk ratios (B) comparing the upper to lower quartiles of the SVI Race/Ethnicity/Language theme in the adjusted analysis

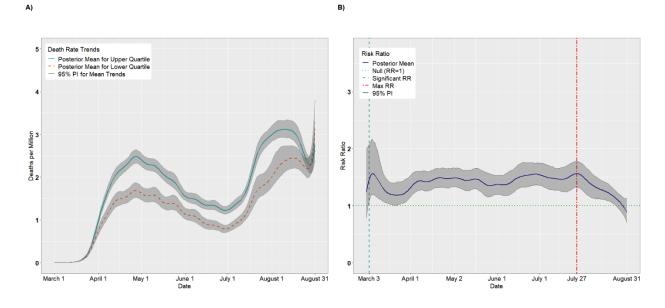


Figure S15. Per capita incidence (A) and risk ratios (B) comparing the upper to lower quartiles of the SVI Housing/Transportation theme in the adjusted analysis

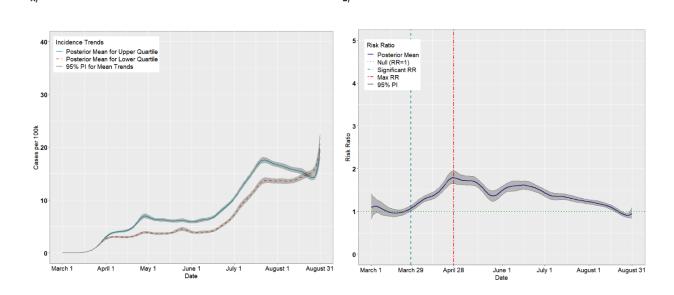


Figure S16. Per capita death rates (A) and risk ratios (B) comparing the upper to lower quartiles of the SVI Housing/Transportation theme in the adjusted analysis

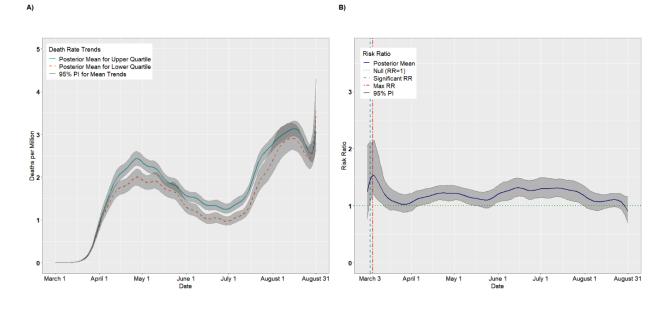


Table S1. Top 10 counties with the highest average incidence from the unadjusted analysis for the week of August 24 – August 31, 2020

County	State
Wayne	Tennessee
Webster	Iowa
Chattahoochee	Georgia
Lincoln	Arkansas
East Feliciana	Louisiana
Clay	South Dakota
Radford	Virginia
Rosebud	Montana
Issaquena	Mississippi
Lafayette	Florida

Table S2. Top 10 counties with the highest average incidence from the adjusted analysis for the week of August 24 – August 31, 2020

County	State
Rosebud	Montana
Wayne	Tennessee
Webster	Iowa
East Feliciana	Louisiana
Clay	South Dakota
Lafayette	Florida
Cluster	South Dakota
Lincoln	Arkansas
Potter	South Dakota
Van Buren	Iowa

Table S3. Top 10 counties with the highest average death rate from the unadjusted analysis for the week of August 24 – August 31, 2020

County	State
Crenshaw	Alabama
Tishomingo	Mississippi
Winnebago	Iowa
Brooks	Texas
Montgomery	Mississippi
Shoshone	Idaho
Starr	Texas
Laurens	Georgia
Val Verde	Texas
Wilkinson	Georgia

Table S4. Top 10 counties with the highest average death rate from the adjusted analysis for the week of August 24 – August 31, 2020

County	State
Winnebago	Iowa
Crenshaw	Alabama
Tishomingo	Mississippi
Shoshone	Idaho
Knox	Texas
Lewis	Kentucky
Monroe	Georgia
Montgomery	Mississippi
Lafayette	Florida
Wilkinson	Georgia