

All variables and **selected variables** after feature selection:

Dependent variable: COVID-19 incidence	Total number of specialists
Median Household Income	Total number of nurse practitioners
Income Inequality	Total number of physician assistants
Uninsured	Total number of hospitals
Unemployment rate	Cardiovascular disease
Food Insecurity	Cerebrovascular disease
Fair or poor health	Hypertensive heart disease
Adult Smoking	Cardiomyopathy and myocarditis
Road Density	Atrial fibrillation
Particulate matter 2.5 (Min, Max, mean)	Peripheral vascular disease
Air quality index (AQI) (Min, Max, mean)	Pancreatic
Temperature (Min, Max, mean)	Mesothelioma
Precipitation	Hodgkin lymphoma
Elevation (Min, Max, Mean)	Leukemia
Maximum terrain slope	Tracheal, bronchus, and lung
Percent of 65 years and over	Drug use disorder
Percent of Asian	Alcohol use disorder
Percent of Hispanic	COPD
The proportion of African American	Asthma
Percent of black males	Interstitial lung disease & pulmonary sarcoidosis
Percent of black females	Tuberculosis
Percent of white males	HIV/AIDS
Percent of white females	Hepatitis
Net International migration rate	Lower respiratory infection
Total number of primary care physicians	Ischemia