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## Social Vulnerability, Diabetes, and Obesity in Georgia

Danny Jang

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### Health Geography of Cholesterol, Physical Inactivity, and Diabetes in Georgia

This project examines intersections of health geography and population geography by examining the spatial correlation between high cholesterol prevalence and physical inactivity prevalence to diabetes among the population of Georgia. Poor diet and health activities can boost the likelihood of chronic diseases like obesity or type two diabetes later in life. Diabetes and obesity are closely linked together, however, they are still far apart in various aspects which can be from personal to environmental impacts like geographical locations. Diabetes prevents people from using their glucose intake which causes shock (even death in worst cases), and even more concerning is that an estimated 21% of the adult population (with diabetes) have no idea that they are diagnosed with diabetes. This project uses data from the Atlanta-based Centers for Disease Control and Prevention (CDC) and the U.S. Census Bureau, among others, and examines data through spatial analysis in ArcGIS Online and ArcPro. Finding yields applied results that help us better understand aspects of health geography in Georgia.