

Mapping the Health Status of Prenatal Patients with Neighborhood Resources and Risks

Amarpreet Everest, DO

PGY 3 Resident, McGaw Family Medicine at Humboldt Park

Abstract

With this study we aim to explore the relationship between disease and location with an underserved, primarily Latino population. Furthermore, we will investigate where patients with similar prenatal/delivery complications are geographical clustered to improve community outreach, access to care and resources, and identify the environmental obstacles to care (e.g. access to transportation, neighborhood crime rates, etc.). We are particularly focused identifying geographic regions where there are high rates of common prenatal and delivery complications. We studied pregnant patients who have been seen at Erie Health Centers who have been seen between February 2017 - October 2019. We specifically pulled information regarding patient demographics, pregnancy complications, and delivery complications. By aggregating the data from the clinic's electronic medical records system, we hope to identify neighborhoods where there are high concentrations of prenatal patients with common pregnancy complications who are patients at this health center. This information will be helpful targeting specific community outreach, community resources, and increasing awareness of the relationship between health status and location.