Healthcare Access for Economic Level for Dallas County

Project #1 Summary:

Project was initially supposed to look at data to determine the access of quality healthcare to various income levels within Dallas County. We wanted to exam if economic level determined the access to a health facility.

Which Data We Used:
-Census Data to determine the Dallas County zip codes and income levels
-Medicare data, to determine registered hospitals within Dallas County
-Google Maps API, to locate "Urgent Care" facilities within Dallas County

Code:

DATA Information:

Pie Chart #1:
Overall count of hospitals (27) and urgent care clinics (26) in Dallas County.

--Let's look a little closer at the break down of where these facilities are concentrated--

Map #1(Hospitals):
Here's a Google Map of the plotted hospitals here in Dallas County, which consist of 86 zip codes.

Map #2(Urgent Care Clinics):
Map of Urgent Care Clinics (26) pulled for Google Maps.

Heat Map (Poverty Concentration):
Google Heat Map, where poverty level was set at the national level of $24,950 for a household of 4.

---Break down of facilities---

Hospital Concentration Chart
Chart shows concentration of hospitals by income brackets (low, middle, high)

Urgent Care Concentration Chart
Chart Shows Concentration of urgent care by income bracket (low, middle, high)

Final Map (All layers)
Final Map shows all hospitals, urgent cares, and poverty concentration, for close out.

Conclusion

Although the number of urgent cares and hospitals were nearly equal, we did notice that based on the findings higher income locations have more access to healthcare then lower income.