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RESEARCH ARTICLE: Classification of Public Health Centres in Accra Through a Web-Based Portal Integrated with Geographical Information System (GIS)

**DATASET: Pictorial-Representation-of-the-Various-Components-of-the-GEOHEALTH-System**

We utilized and interconnected various components of data set and feature classes namely: GeohealthOnline.csv, GeoHealthOnline.mxd, GeoHealth.diagram, GeohealthOnline.xml, which is available in Google Drive at:

https://drive.google.com/drive/folders/1iC17q_tbGlvKzKZ9nMVDeoO2RVSdGipu?usp=sharing

and the

Responses from respondents in Google form available at https://forms.gle/44rDwLGu4L5xuzwB8

In this section of the study some noteworthy points of importance which tends to differentiate the Geohealth system from the traditional google map of accessing information on public health centers in Accra. The first is that the method of data gathering for health centers employing the Geohealth system differs from that of the Google Maps data collecting procedure. A complicated link between the various entities, data collection, classification, data processing technique, and data components Second, there are both direct and indirect variables that influence the data gathered by different systems. The factors affecting direct providers are shown in the figures below.
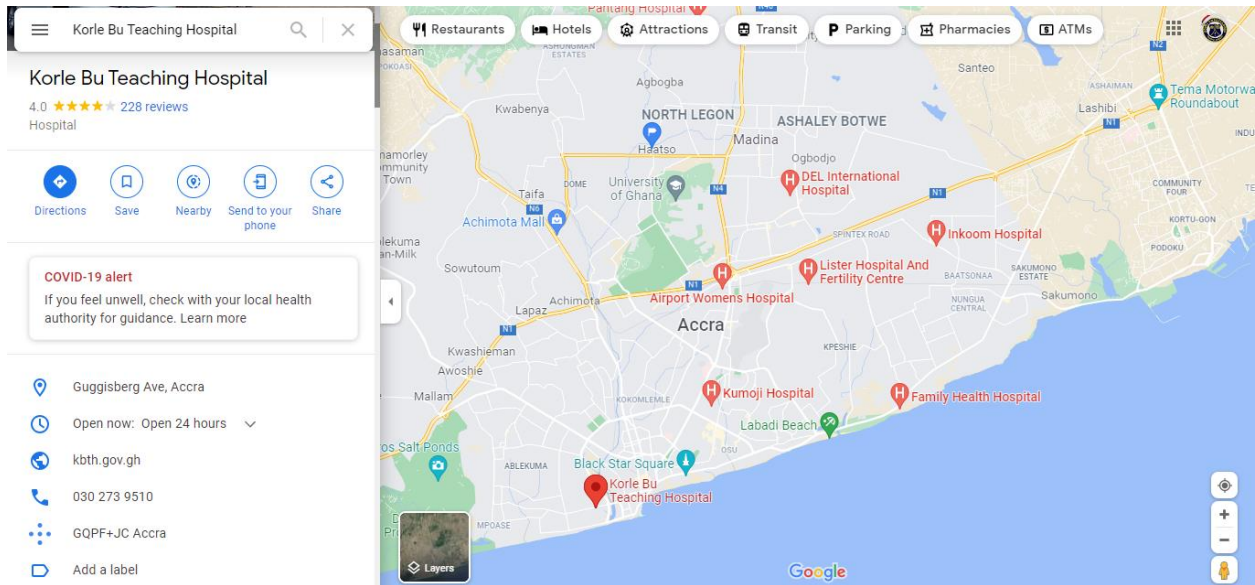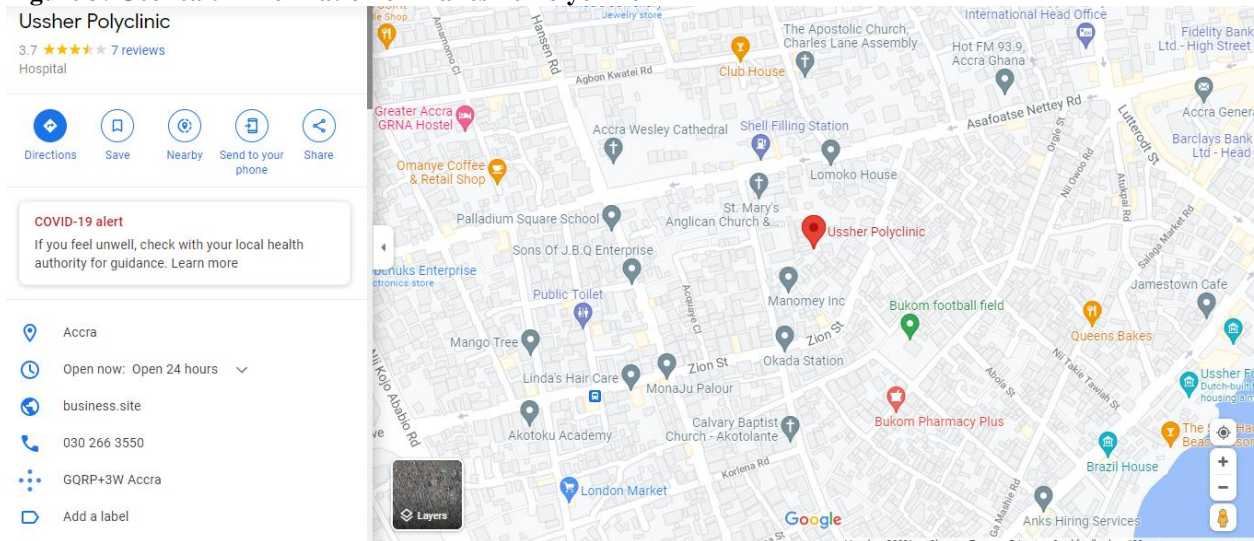

Figure 1: Google Map information on Korle-Bu Teaching Hospital
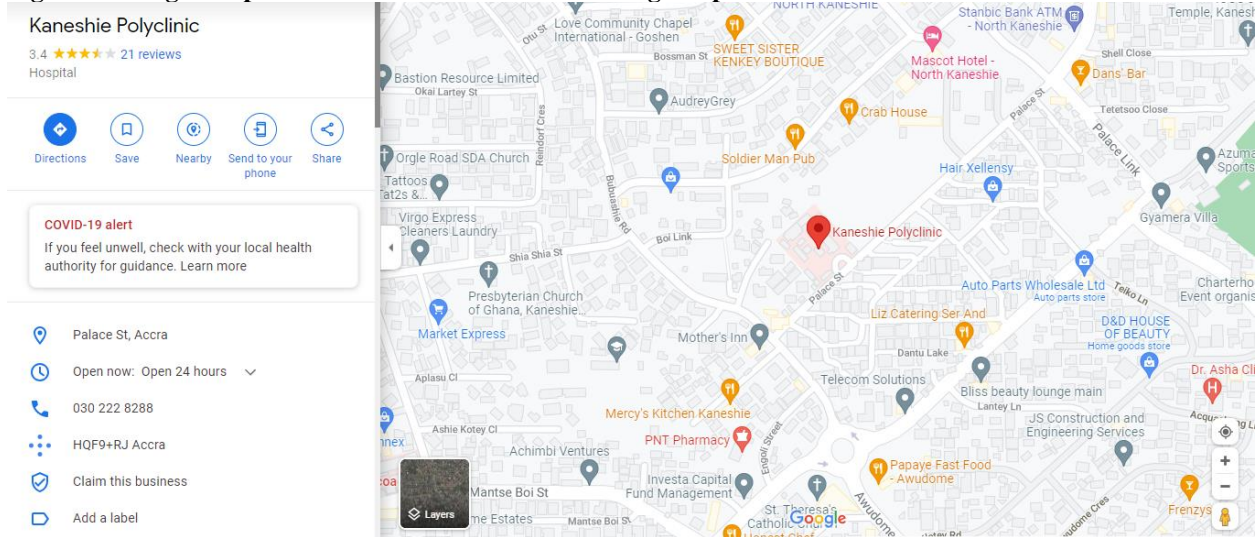
Figure 2: Google map information Kaneshie Polyclinic
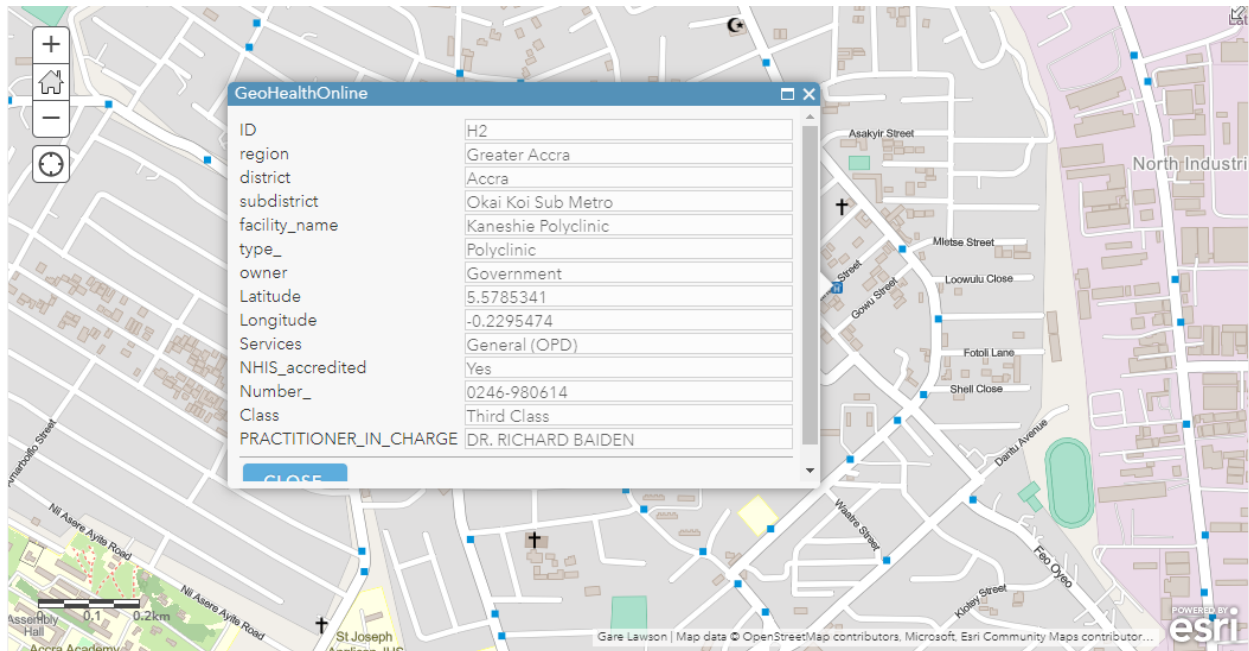
Figure 3: Geohealth information on Kaneshie Polyclinic

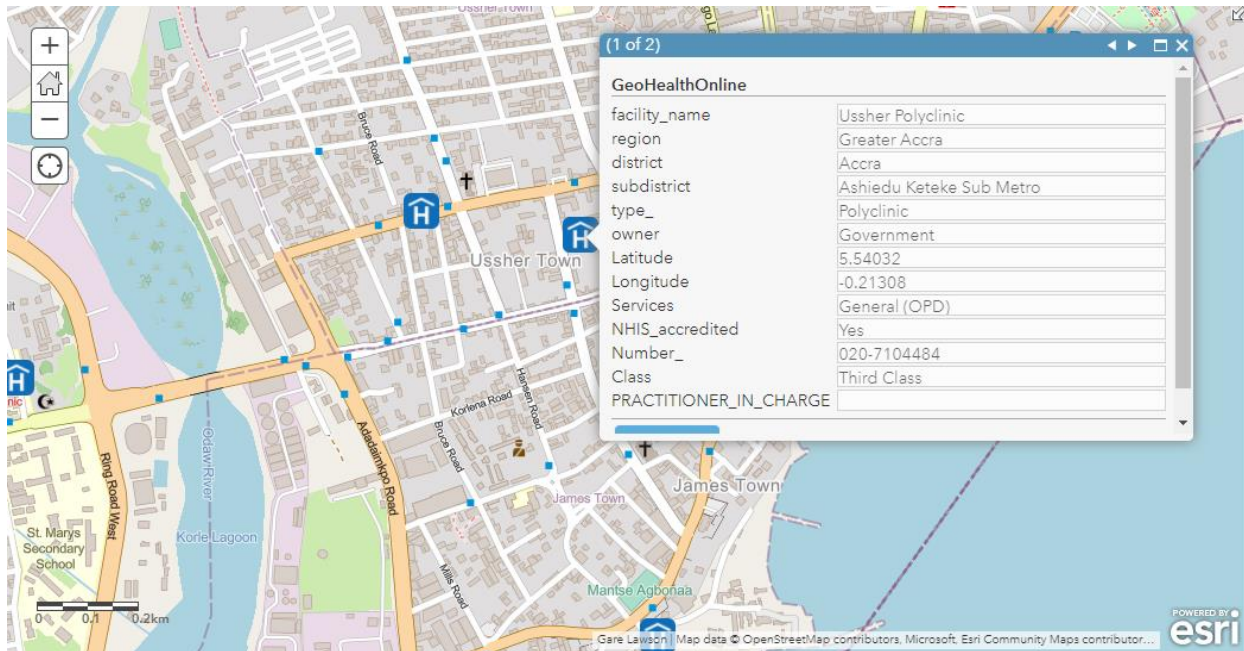**Figure 4: Google map information on Ussher Polyclinic**

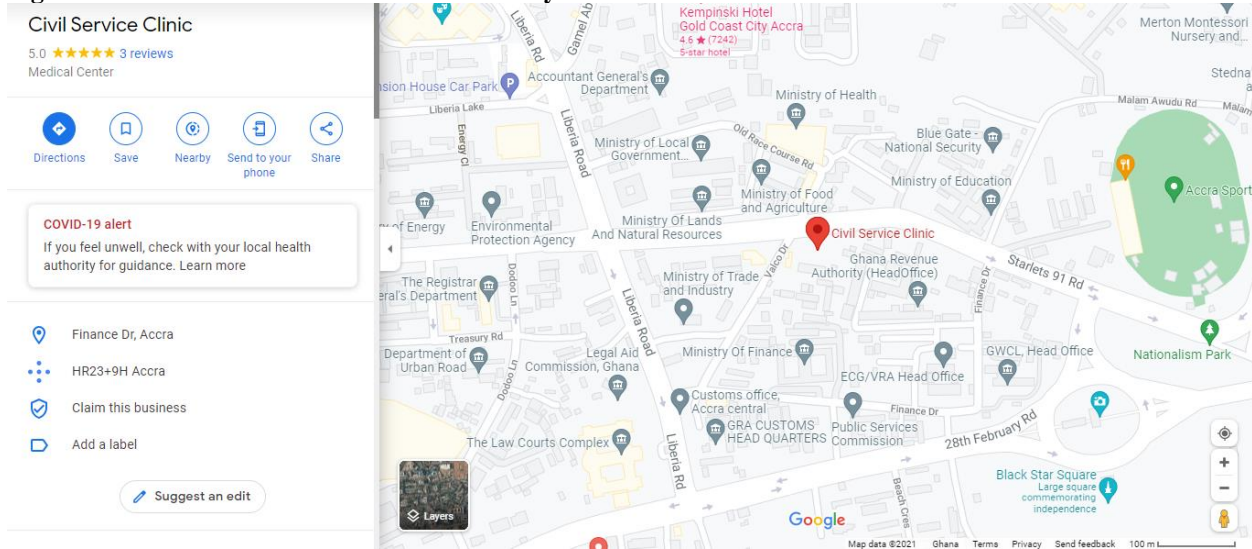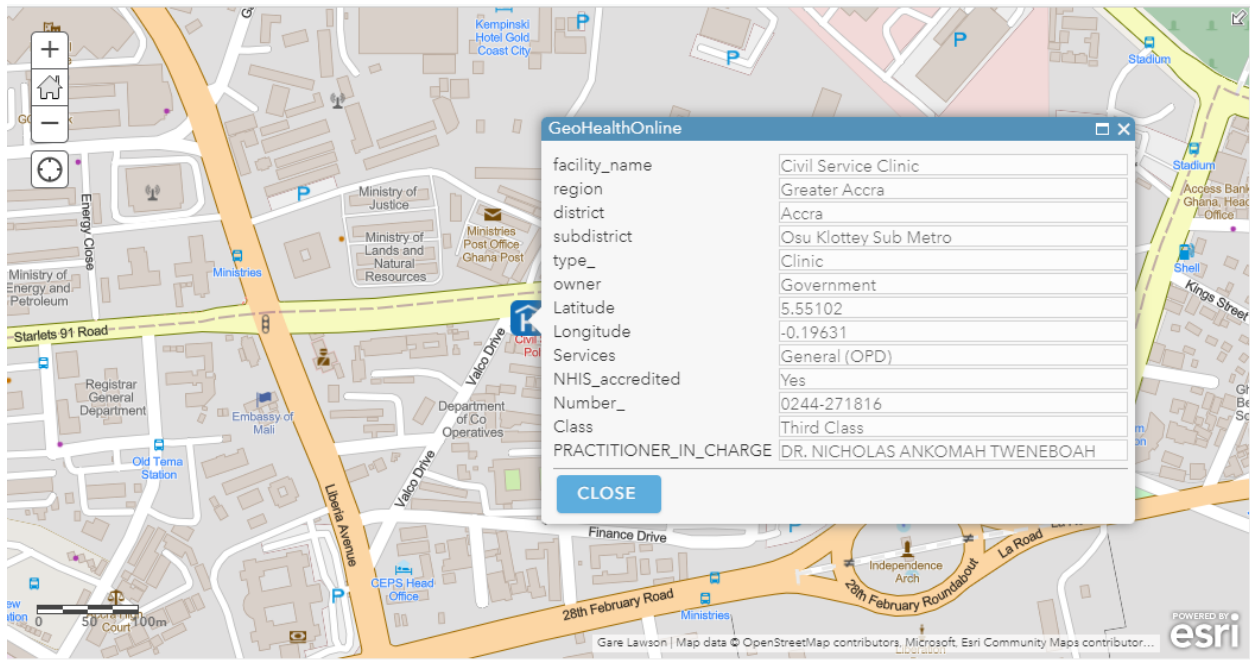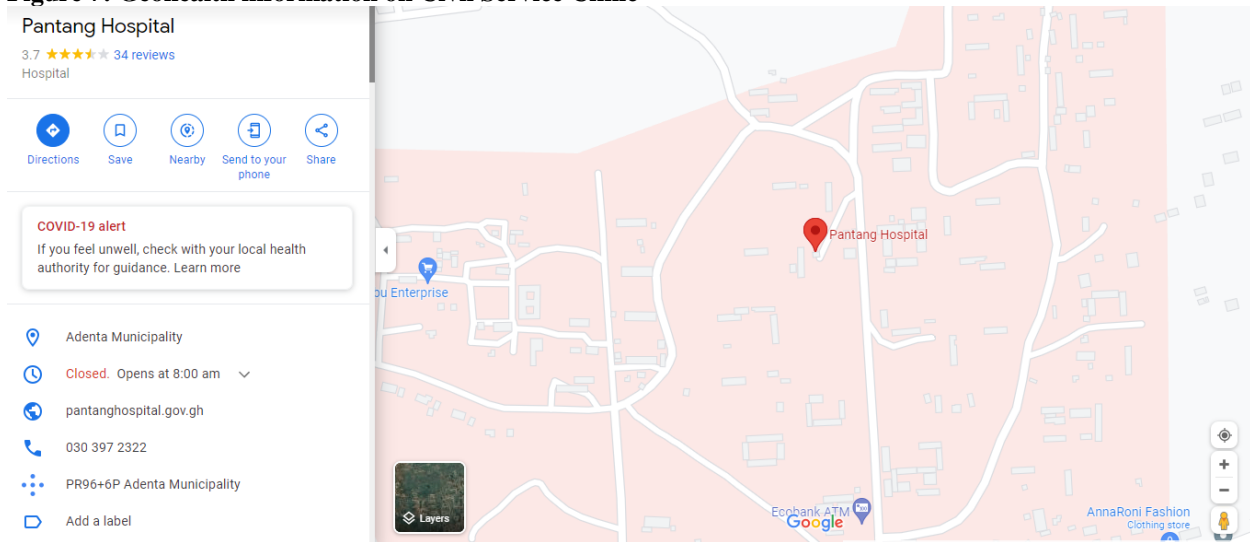**Figure 5: Geohealth Information on Ussher Polyclinic**

Figure 6: Google map information on Civil Service Clinic

Figure 7: Geohealth information on Civil Service Clinic

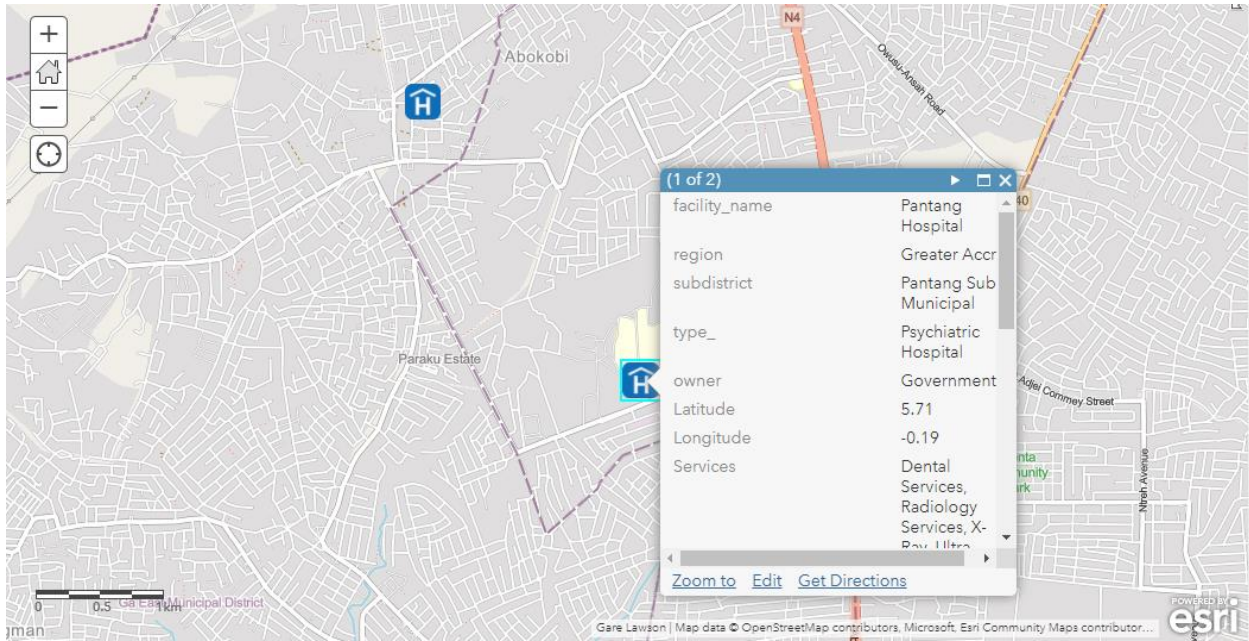**Figure 8: Google Map Information on Pantang Hospital**

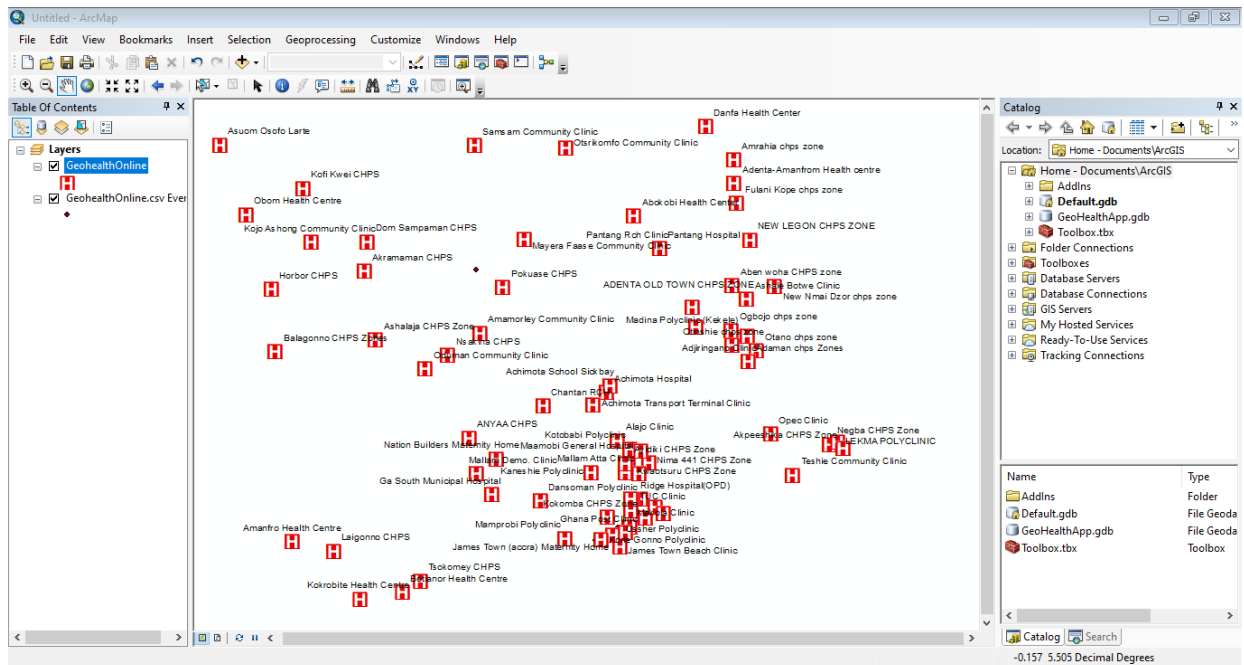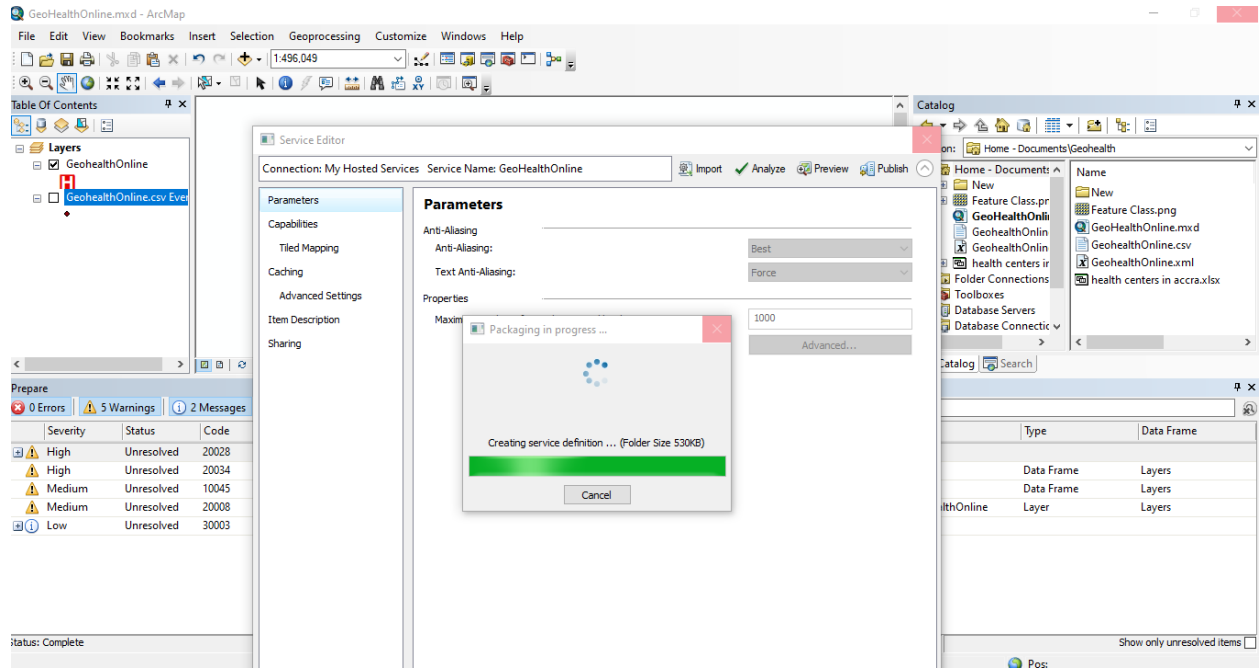**Figure 9: Geohealth Information on Pantang Hospital**

Figure 10: Feature Classes of the Health Centers imported onto ArcMap

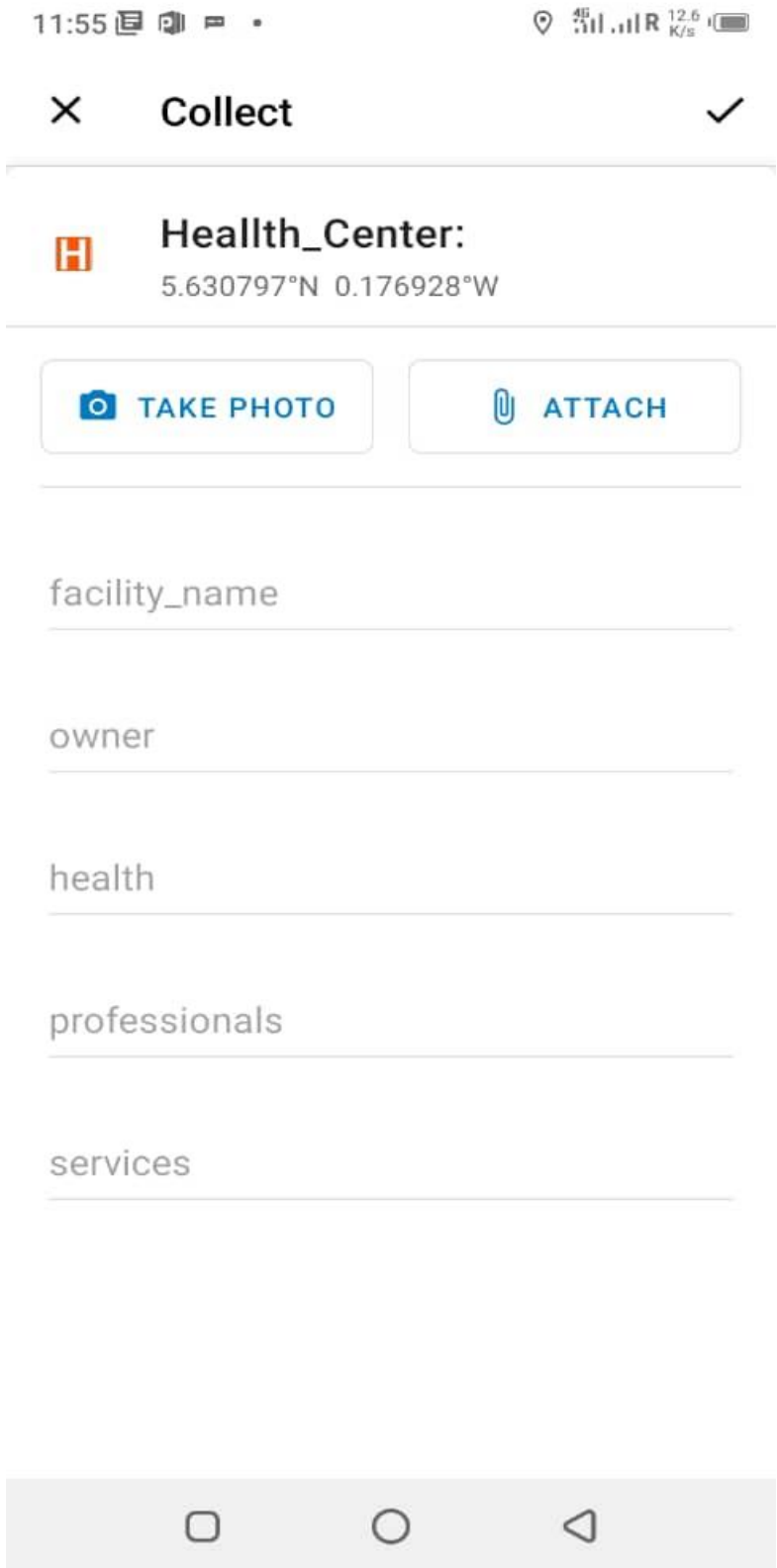**Figure 11: Published Service of the Health Centers onto ArcGIS Online**

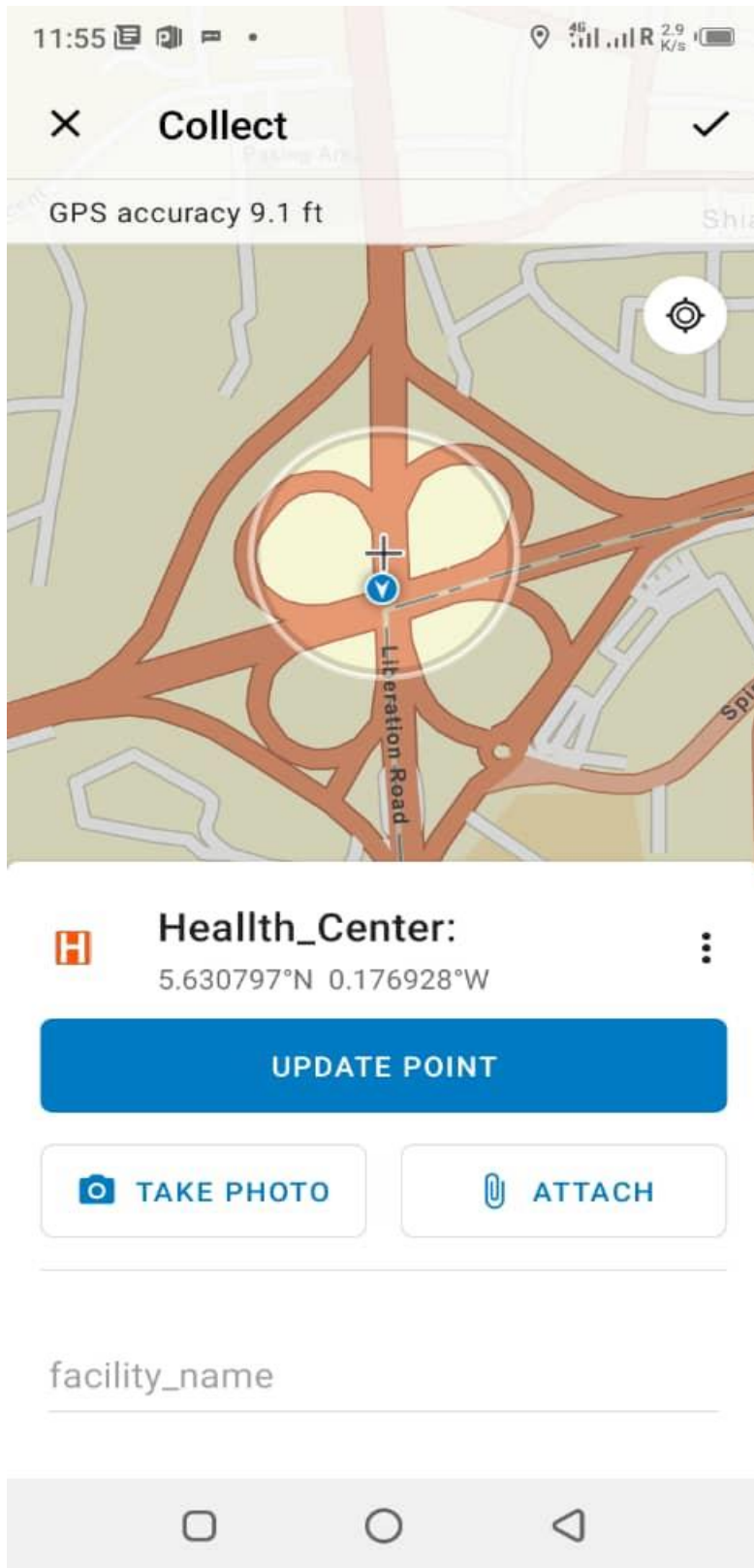**Figure 12: ArcGIS Mobile Collector App for Geohealth**

Figure 13: ArcGIS Mobile Collector App depicting how to pick Geolocation (Latitude and Longitude)
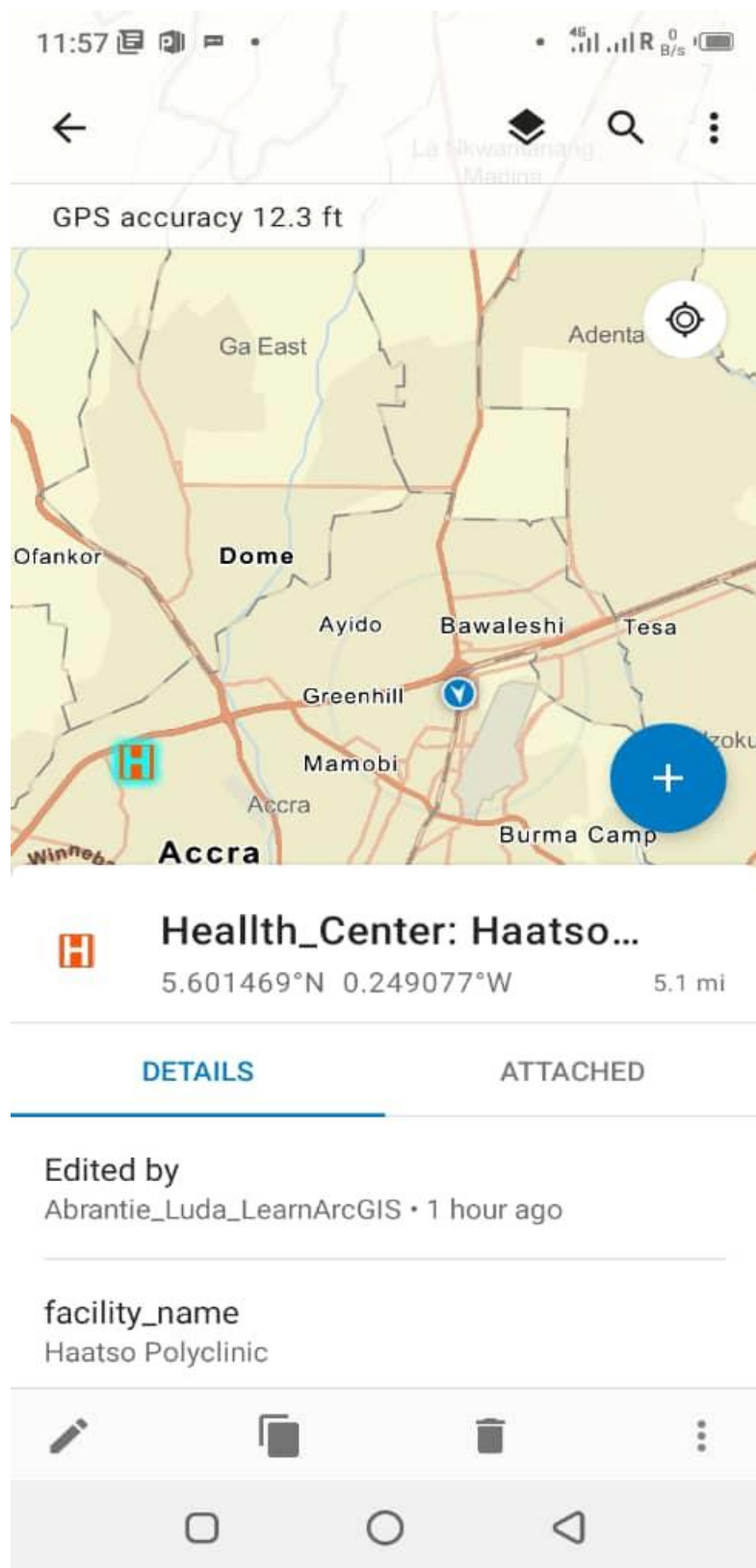
Figure 14: Sample Data of an Health Center Collected Using the ArcGIS Mobile Collector

Figure 15: Sample of Image of the sampled Health Center Collected
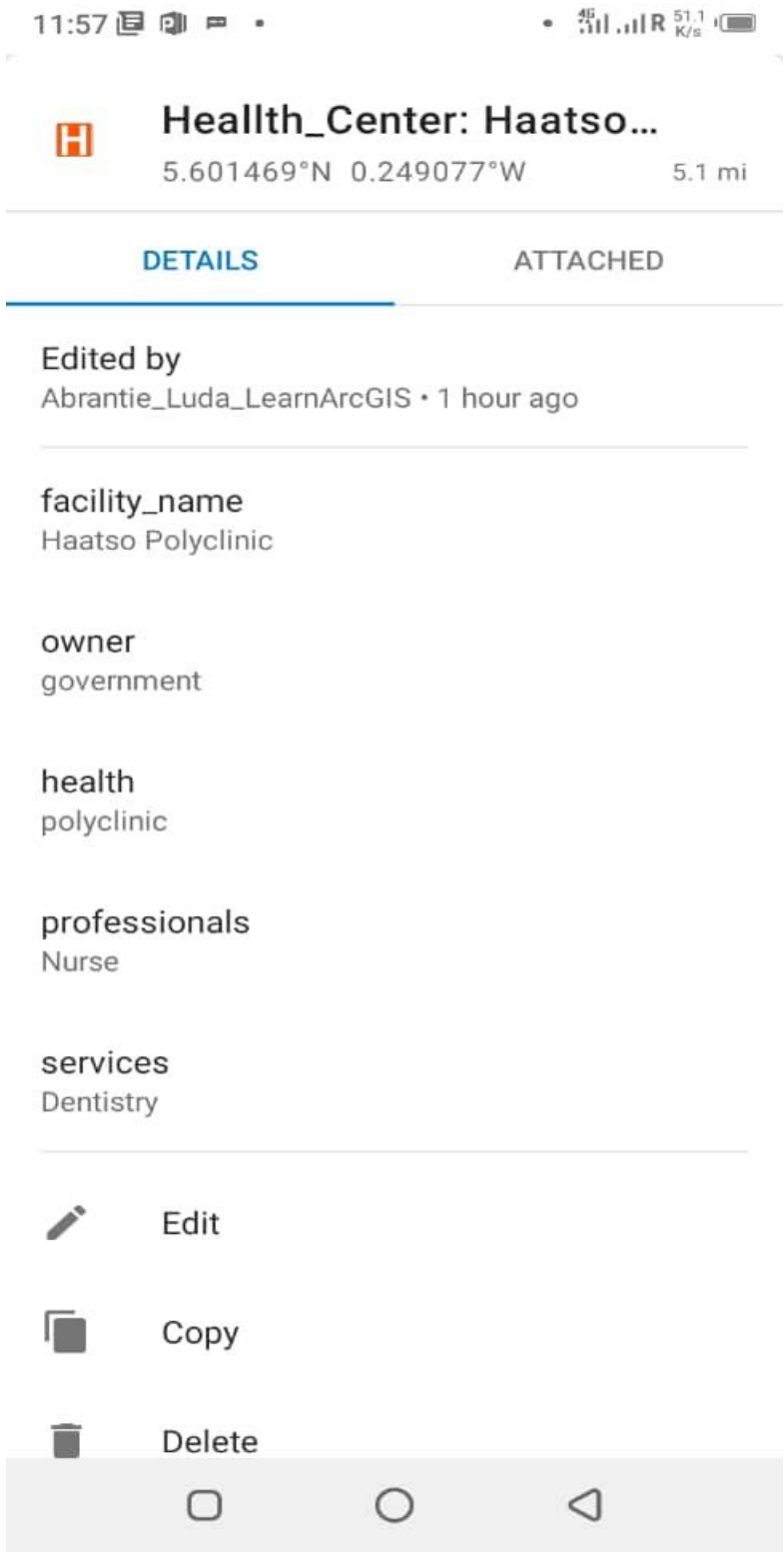
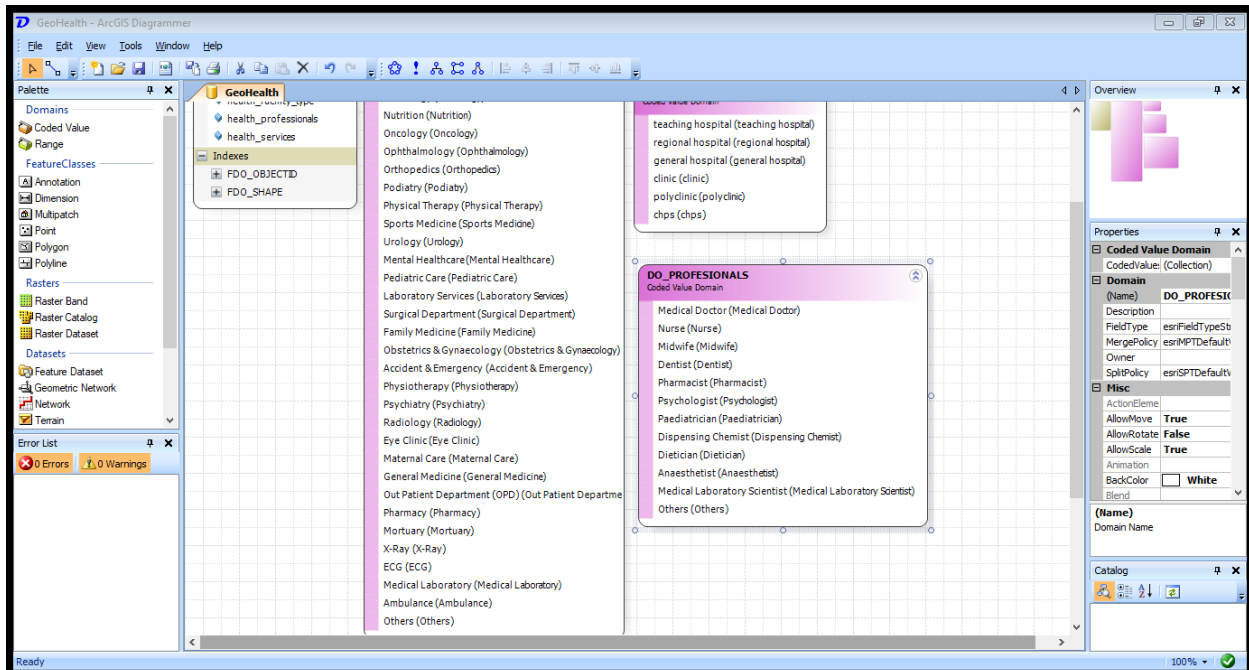**Figure 16: Visual Presentation of the Sample Data of Health Center Collected.**
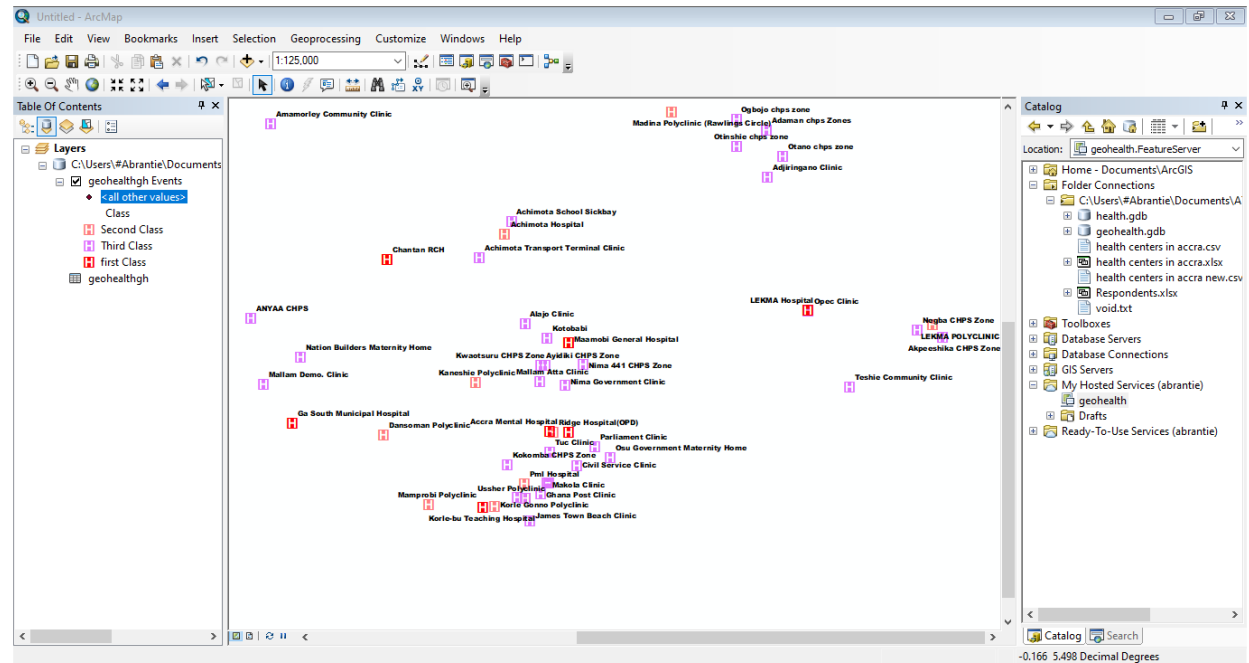
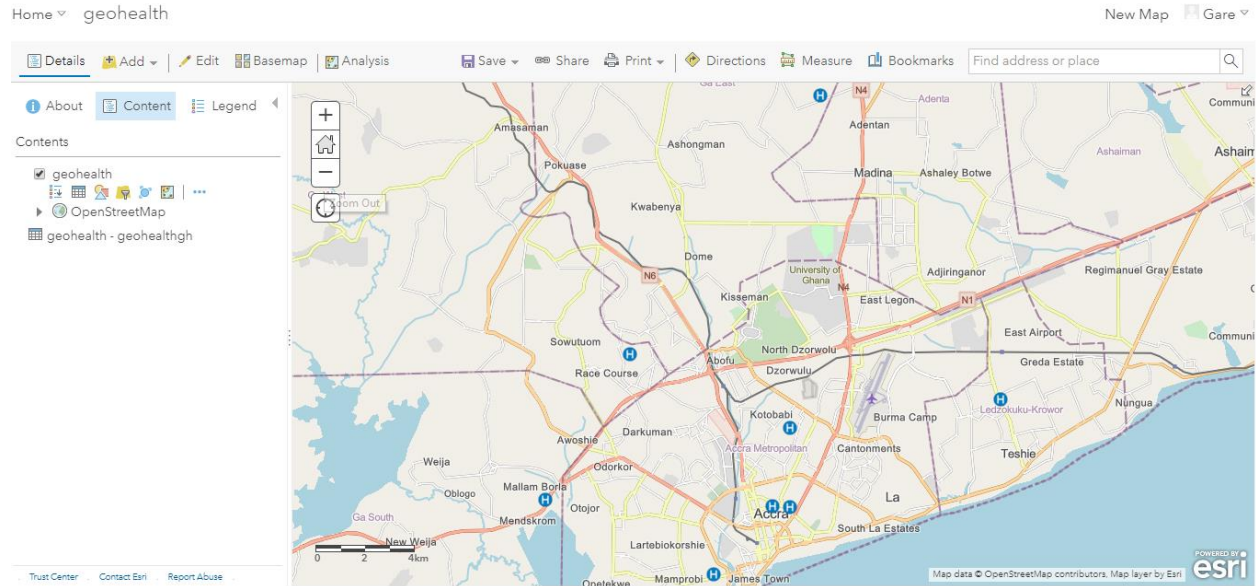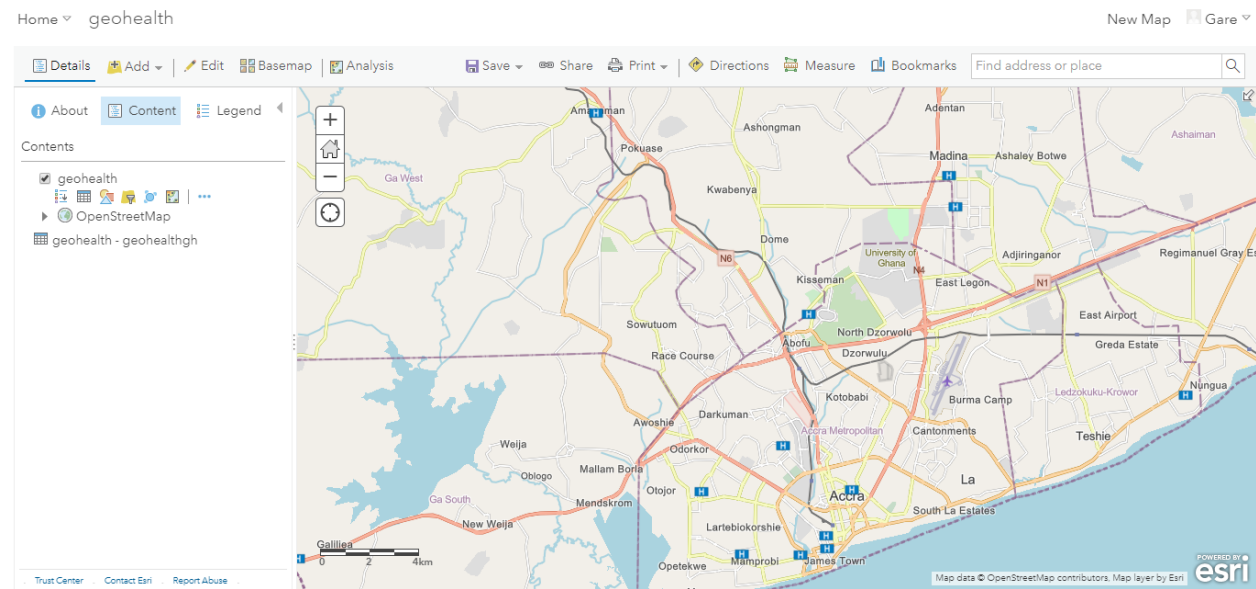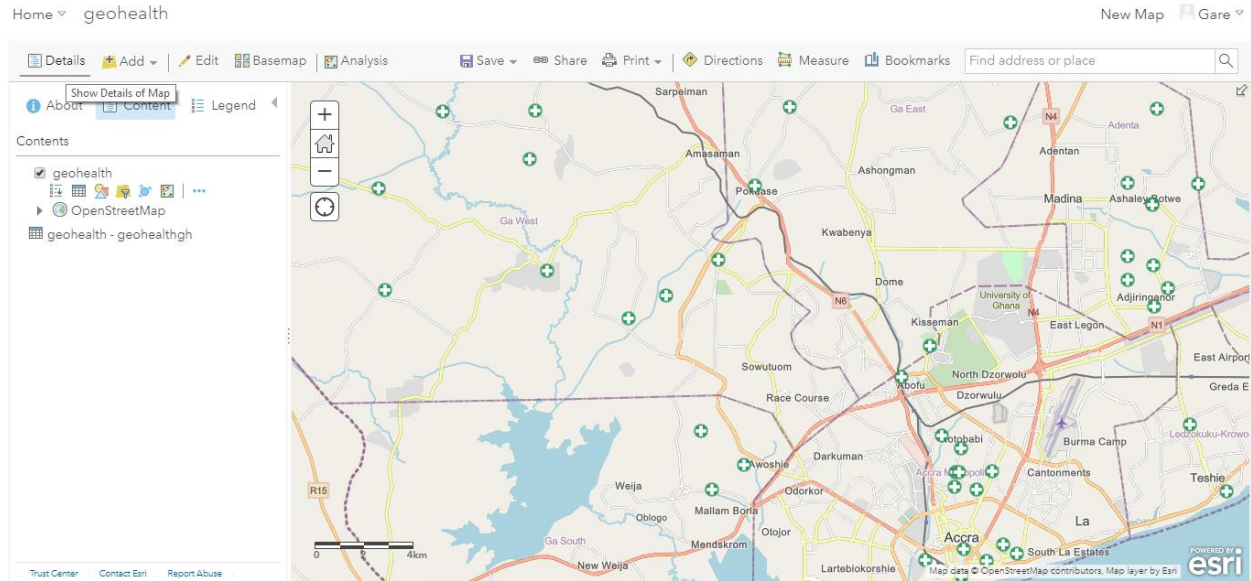**Figure 17: Geohealth ArcGIS Diagrammer XML File**

Figure 18: Geohealth File Geodatabase With all Attributes

Figure 19: Spatial Analysis of First-Class Health Centers

Figure 20: Spatial Analysis of Second-Class Health Centers

Figure 21: Spatial Analysis of Third-Class Health Centers

LINKS TO ATTACHED FILES OF GEOHEALTH

1. https://forms.gle/44rDwLGu4L5xuzwB8
2. https://drive.google.com/drive/folders/1iC17q_tbGlvKzKZ9nMVDeoO2RVSdGipu?usp=sharing