

Improving the availability of data and research by sub-populations to support better-informed policy decision-making

Special Thanks – Dr. Caswell Evans

Overview – Dr. Cherry Houston

Importance:

- Achieving Health Equity (recognizing, rectifying historical injustices/addressing contemporary injustices)
- Quality information
- Analyze and understand data

Gaps/Challenges:

- Data/tech platform to facilitate the fusing of multiple data sets
- Rethinking Data-Driven and Analytical Approaches
- Meaningful data use of data especially local clinical (dentist locations by specialty) and integrating those into tools and models for organizations to input into dashboards, story maps, policy briefs, and funding

Current work/Who/What

- **Oral Health Needs Index** - The Index is an Interactive geographic visualization of demographic data, Social Determinants of Health indicators, and community infrastructure *juxtaposed* with dental provider locations and other community assets.
Esri 2021 User's Conference: Oral health disparities in the U.S., a case study examining elderly access to oral health providers, using SDOH indicators to calculate a standardized index value for census tracts. The index values, transit layers, and dental provider locations were visualized on an ArcGIS Dashboard which served as the analytic platform for a StoryMap about oral health access for 65+ residents in two MA counties
- **Landscape of Liberation/The African American Geography of Tennessee:** Mapping the Destruction of Tennessee's African American Neighborhoods
- **Red Cross disaster relief sites in Nashville, TN:** Developing community scientist from Pearl Cohn HS-transference of disaster relief site data to excel spreadsheets
- **Metro Nashville Public Schools:** Develop content for geographic information systems (GIS) training workshop for Metro Nashville School faculty. Using ArcGIS Online-based learning activities and more (e.g. EJ SCREEN, ArcGIS Online, EnviroAtlas, etc).

Opportunities for Collaboration with the Pandemic Response Workgroup

- Support strategies to develop, replicate, implement community level projects
- Support a robust community geo-spatial platform that brings together: geospatial data, geospatial tools, learning about GIS, enhanced community engagement
- Pilot several community level projects using storymaps, dashboards, data storytelling

Wrap Up/Making a Difference - Dr. Caswell Evans