

# Identifying Areas in need of Mobile Medical Services in Southern Appalachia

Mckenna Adams, Cara Divney, Isabelle Gladson, Emma Thomas, and Riley Yates

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**Appalachian  
STEM  
Academy**  
at Oak Ridge



# People Need Healthcare





<https://picryl.com/media/states-map-united-states-1dfb3c>

# Study Area



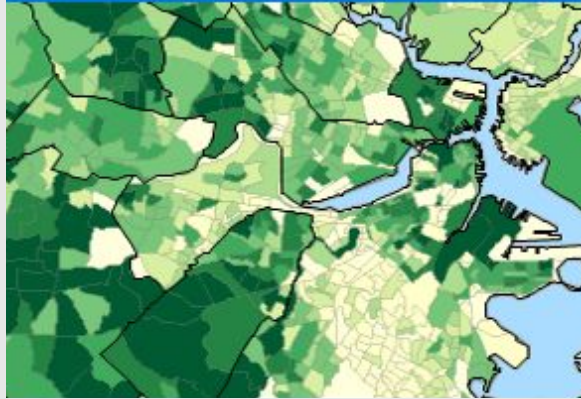
# Data Requirements

- What kind of data do we need?
  - Where do we get our data?
  - What geography level to choose?
-

# Age and Income Data



**Block Group:** are statistical divisions of census tracts, are generally defined to contain between 600 and 3,000 people, and are used to present data and control block numbering.





# Homeland Infrastructure Foundation-Level Data (HIFLD)

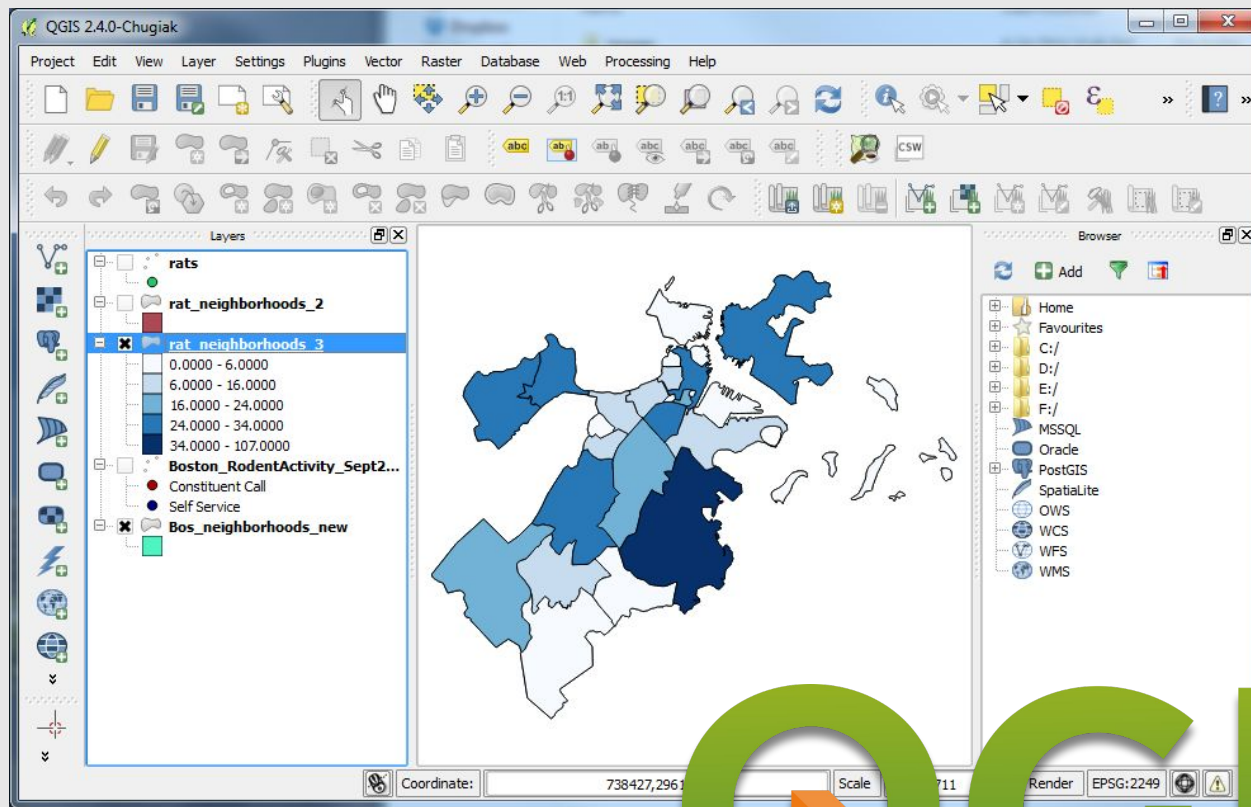


The Homeland Infrastructure Foundation-Level Data (HIFLD) Subcommittee was established in 2002 to address improvements in collection, processing, sharing and protection of National geospatial information across multiple levels of government in order to help provide a common foundation for data visualization and analysis.



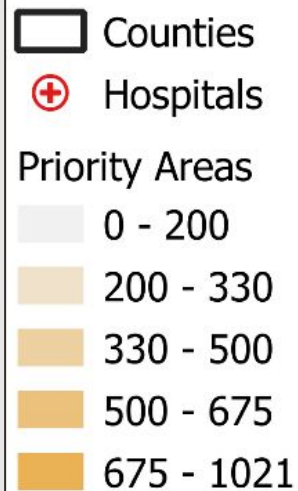
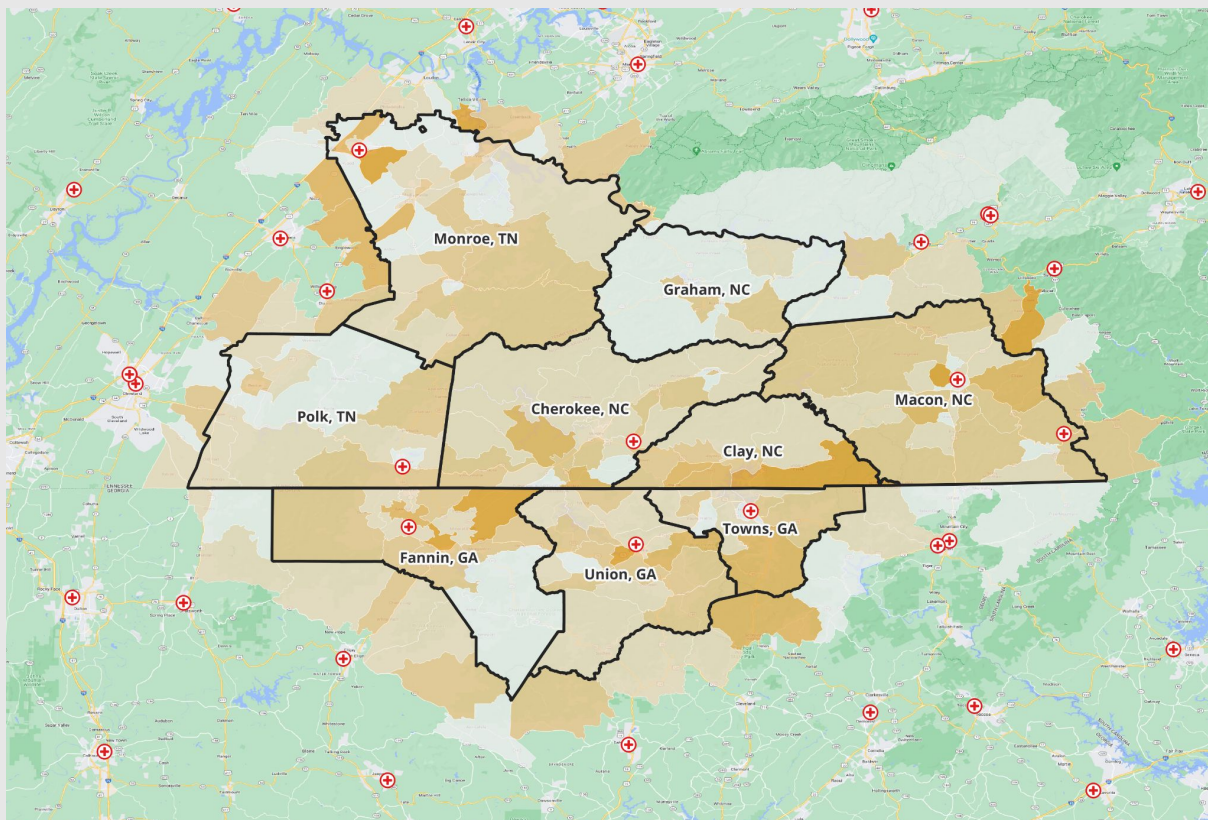
# United States<sup>TM</sup> **Census** Bureau



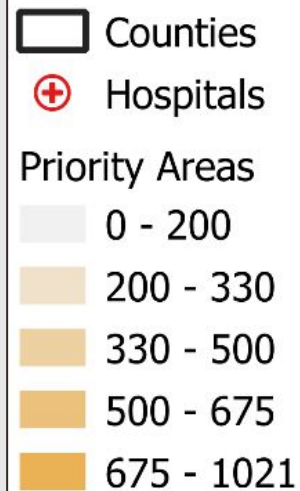
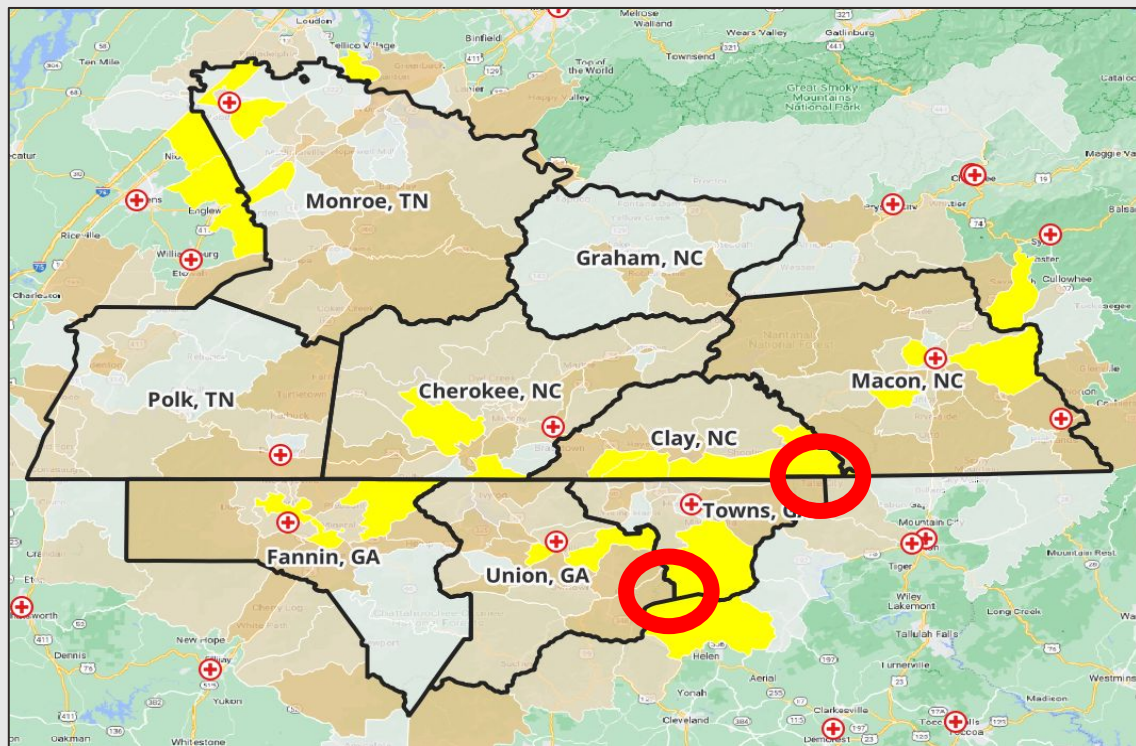


# QGIS

# Results

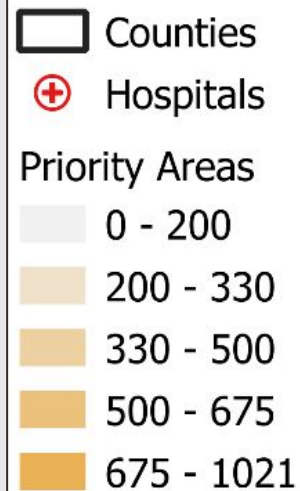
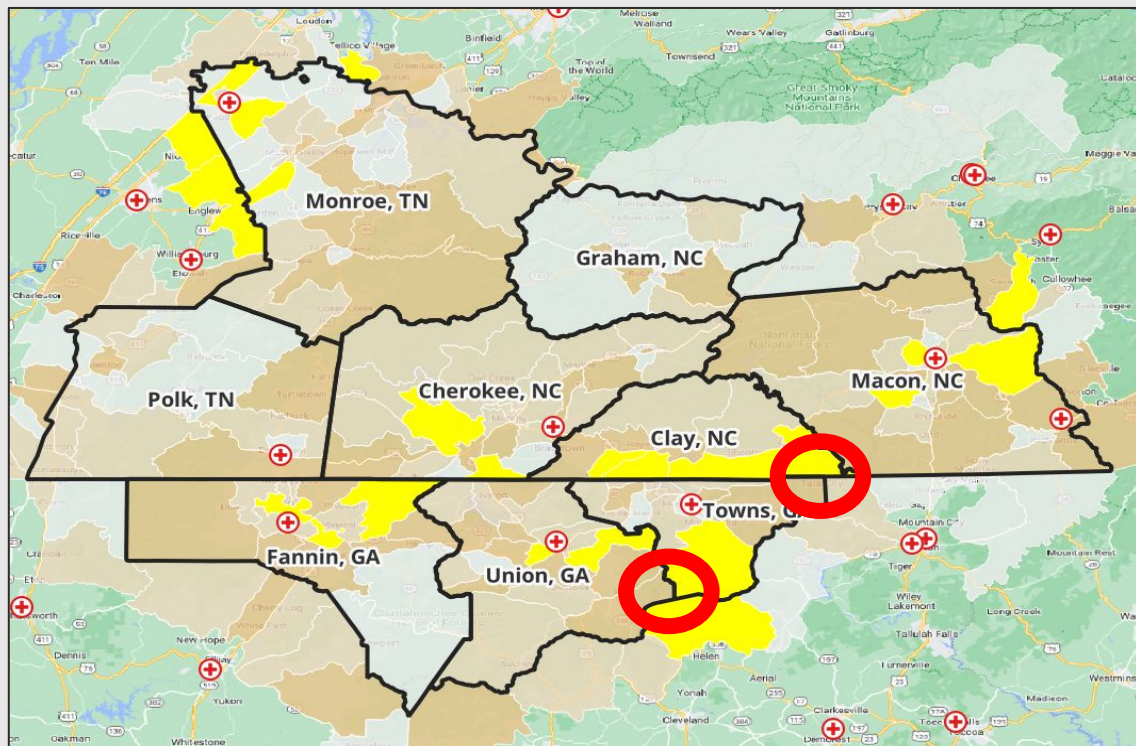


# Results

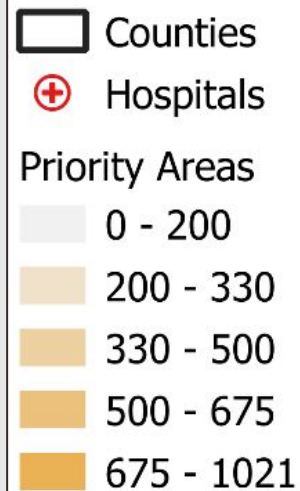
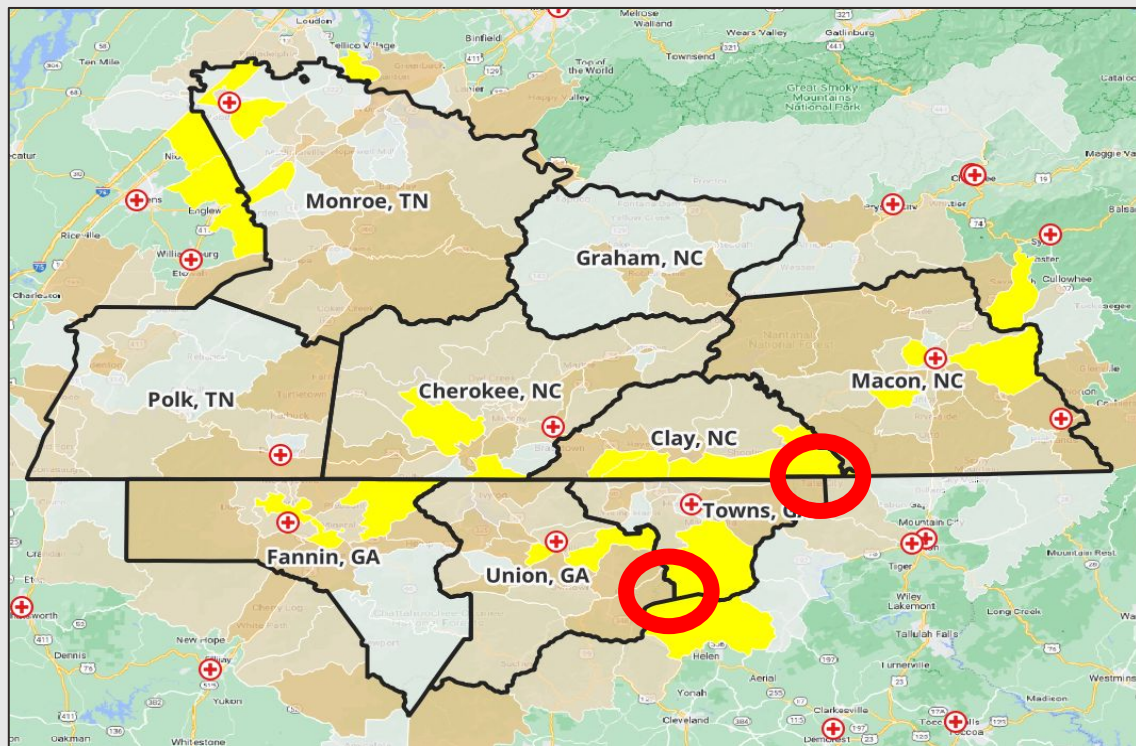




# Results



# Results



# Discussion & Conclusion





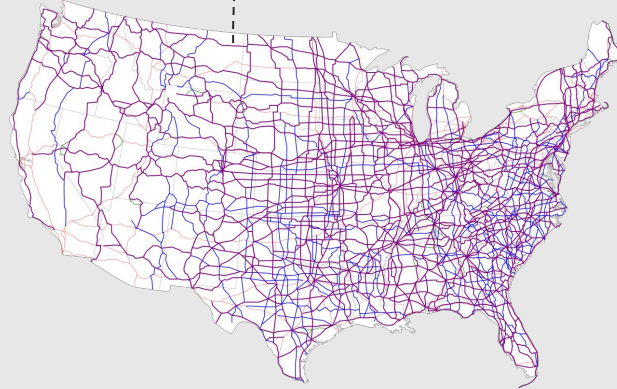
# Discussion & Conclusion



# Future studies

- ❖ Research
  - More socioeconomic factors

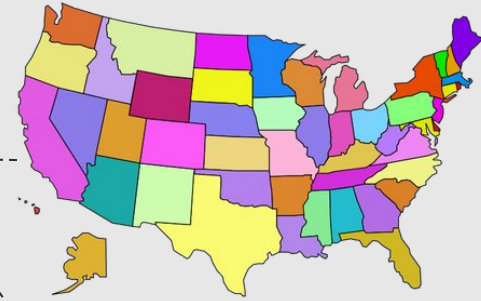
- ❖ Service Areas



# Future studies

✦ Expansion

✦ Medical Professionals



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