

# Mapping TGCP data set

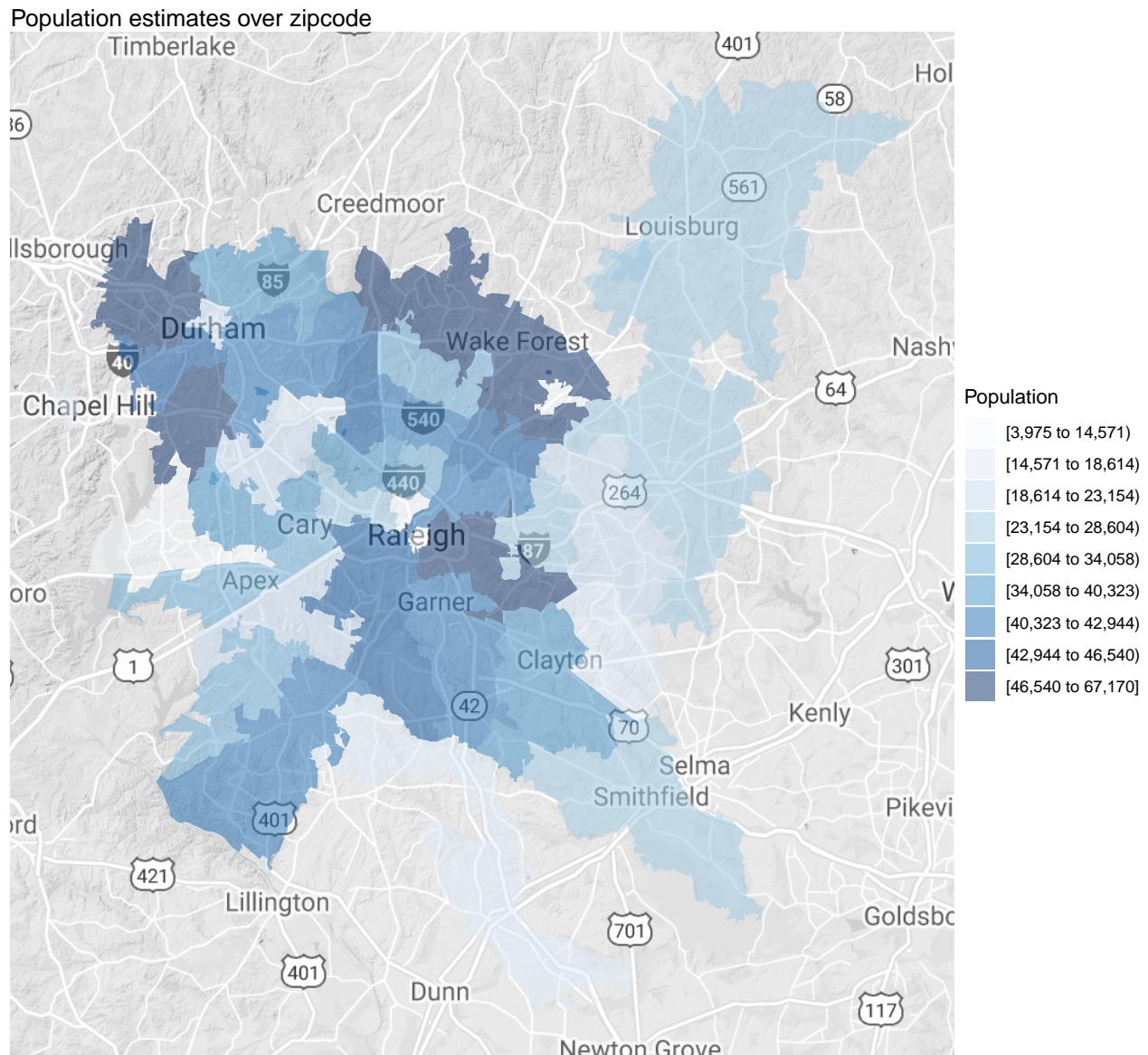
Yinqiao Wang

12/07/2021

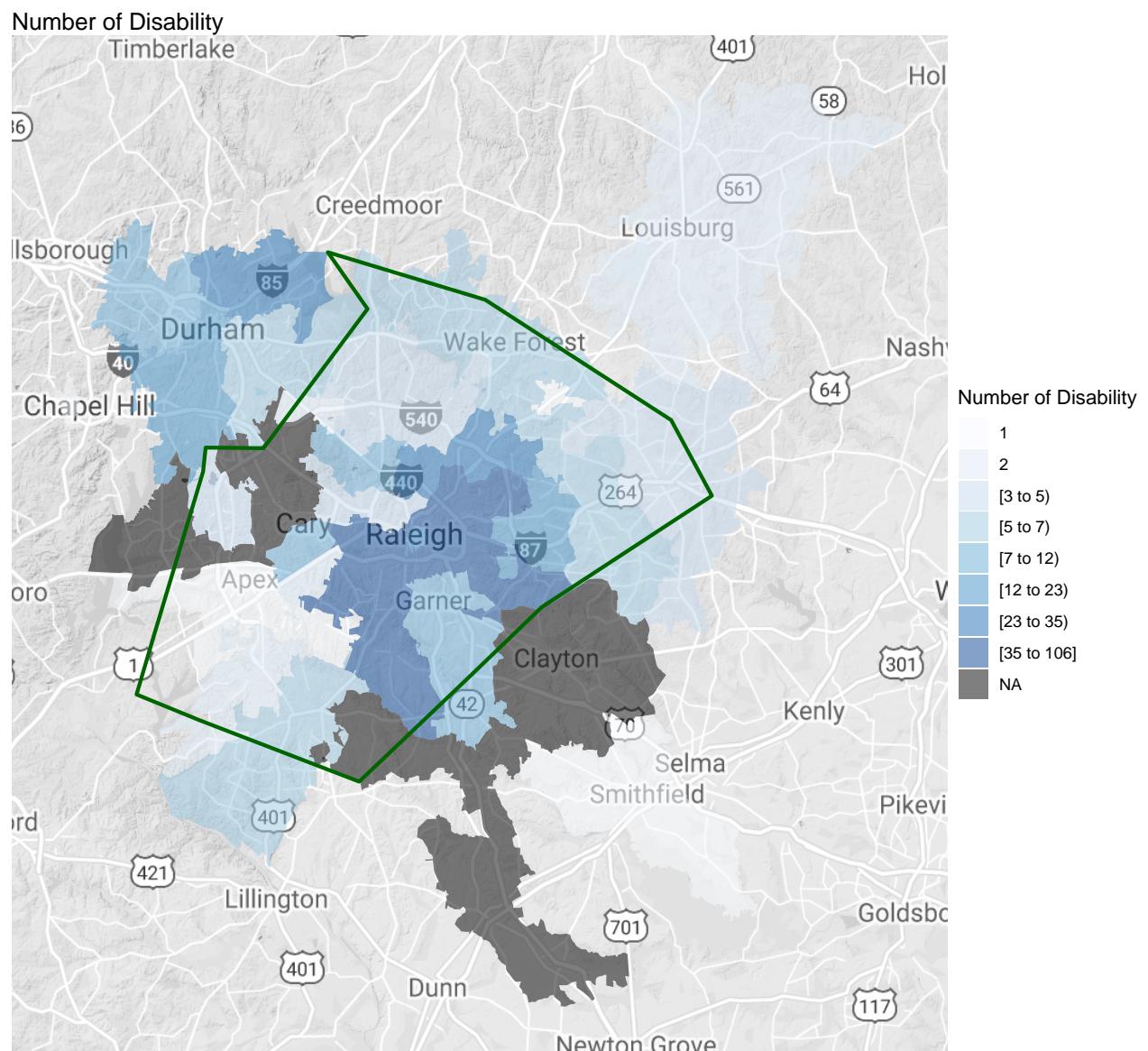
## Mapping TGCP variables

The five variables from the green chair data set were chosen, and the Wake county area was circled by green lines. The mapping zone was selected based on the zip codes in which the green chair project served at least five clients. Missing data were excluded before mapping. For disability status, the number of disabilities and the proportion of disabilities for a certain zip code zone were mapped. The same plotting method was used for the veteran and Covid (positive status) variables. The median number of total household members for families is 4. Thus, homes with five or more total household members were classified as large households. Finally, the household income status was mapped based on the classification described previously. The geographic information could help deeply understand the clients' status, determine current services uncovered zone, and explore the possible additional services. Meanwhile, the areas that might develop more services can be found by comparing the plots with the population plots in the selected zone.

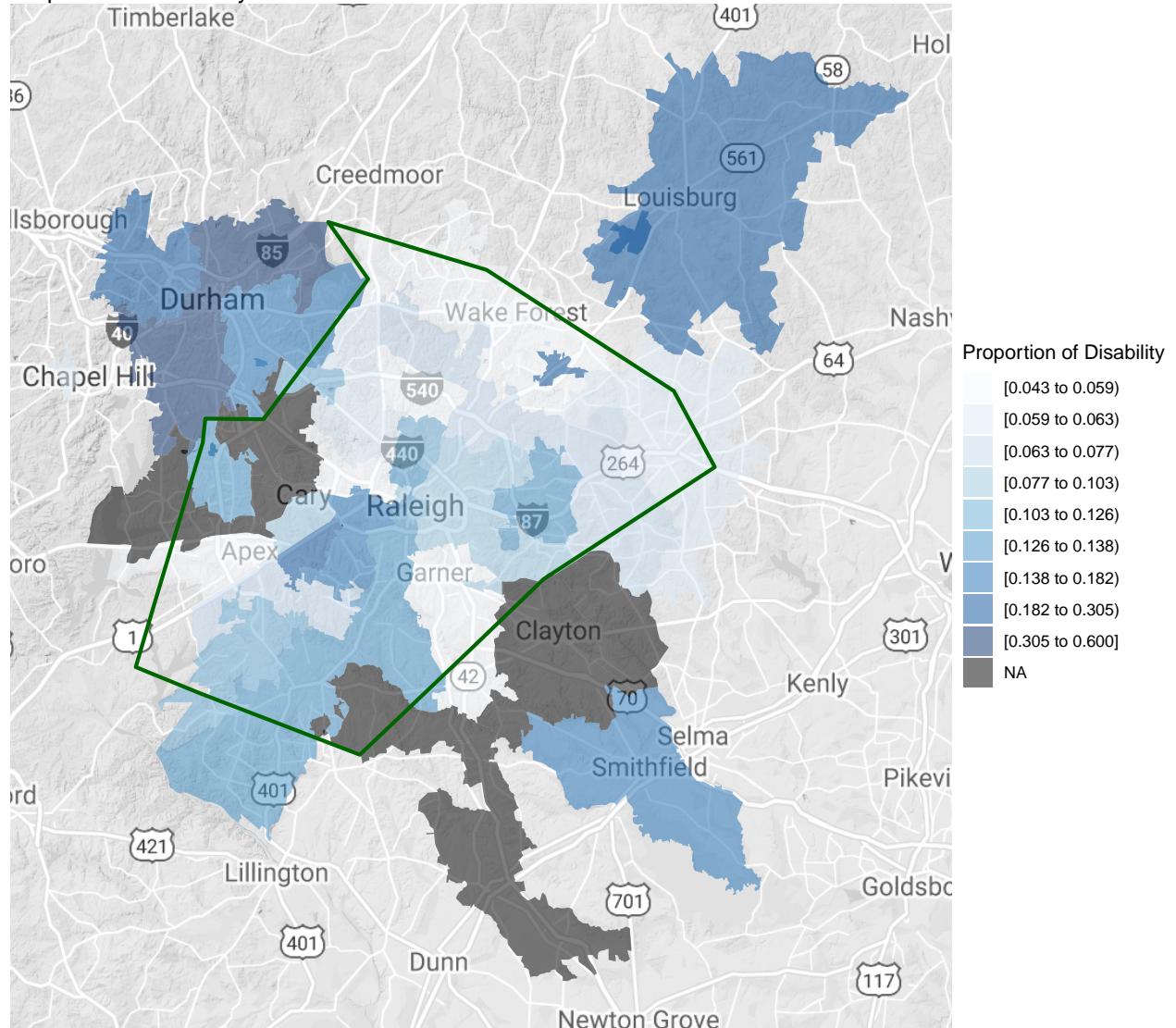
### Mapping population for the selected area



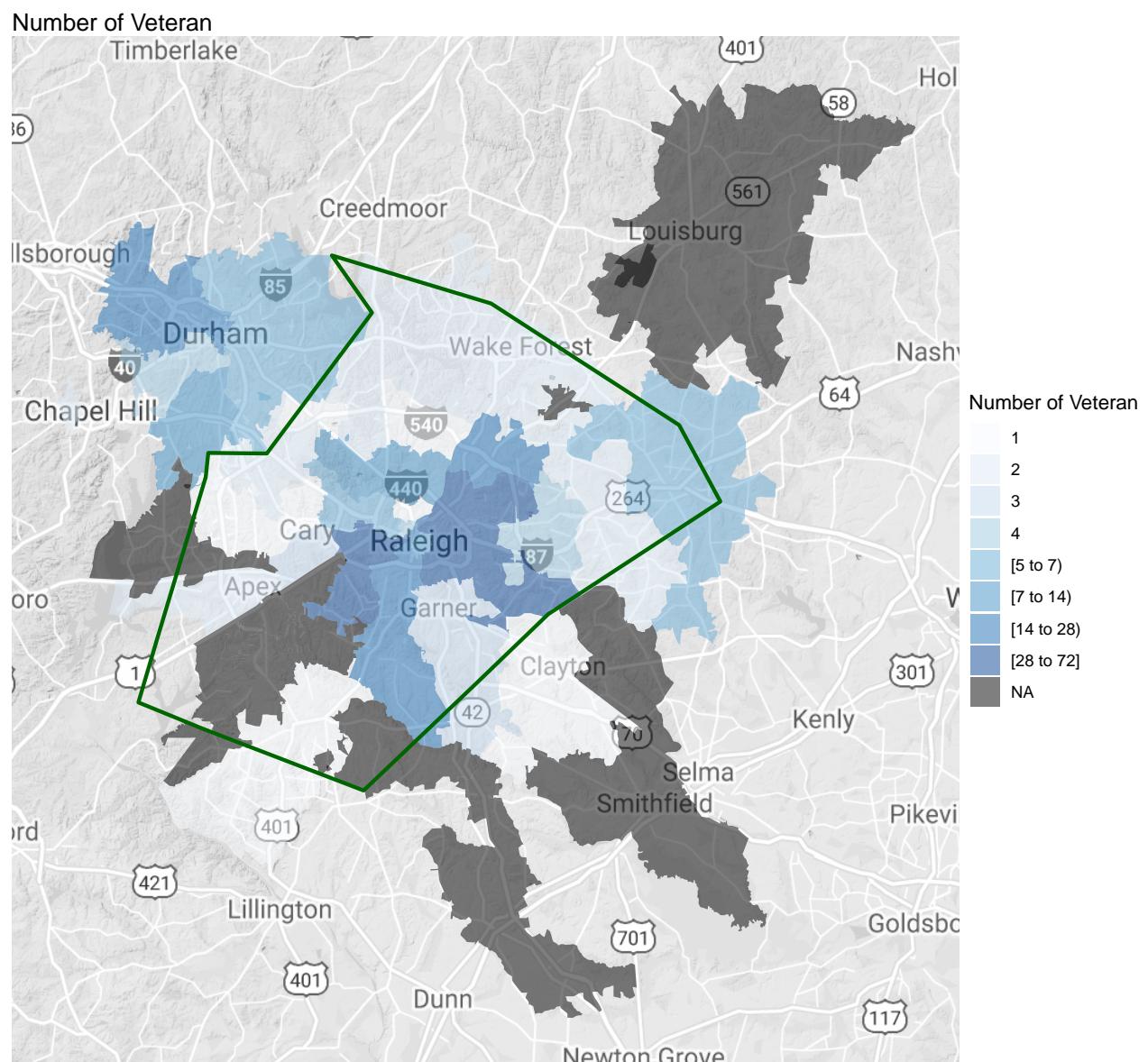
## Mapping Disability

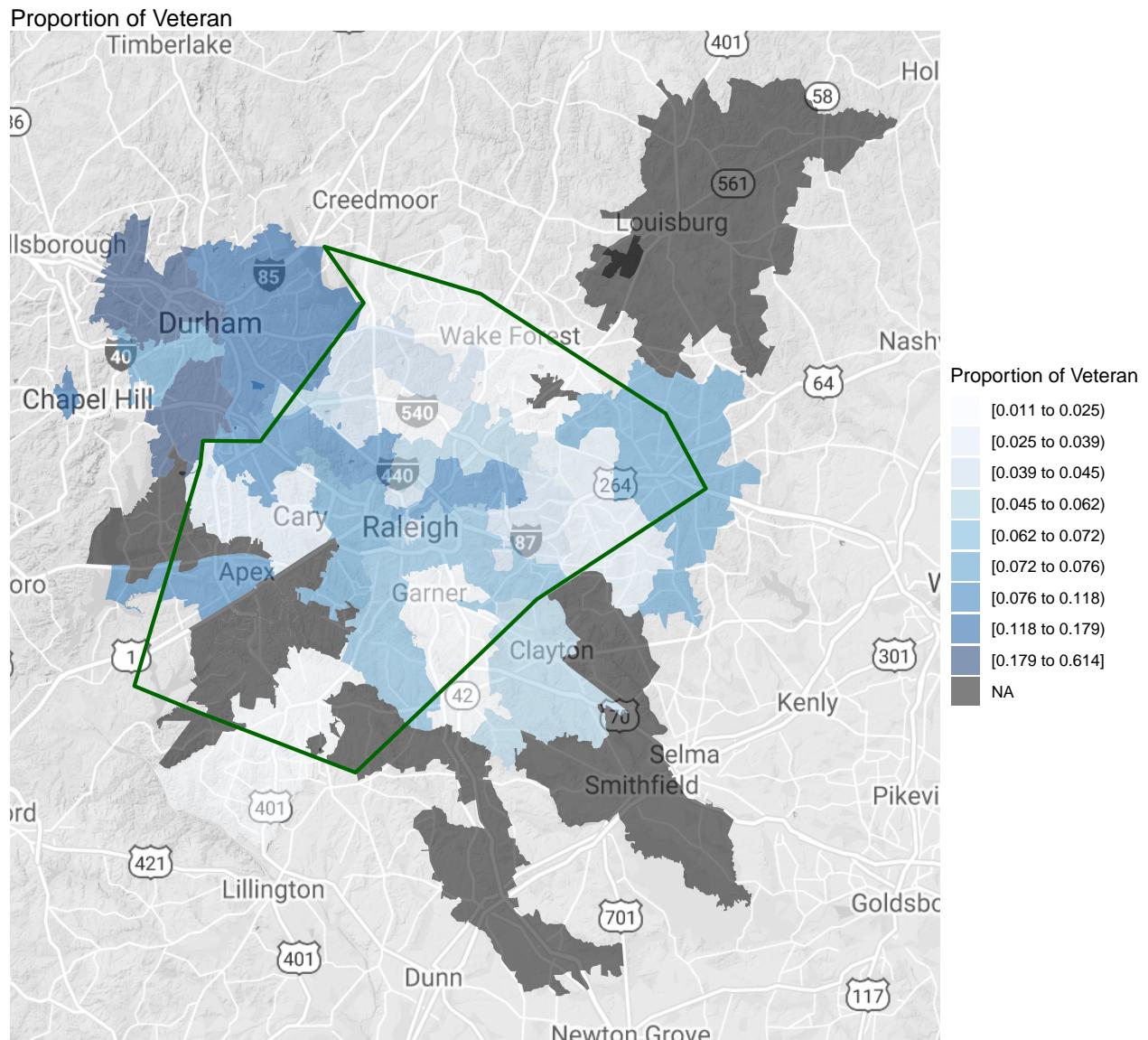


### Proportion of Disability

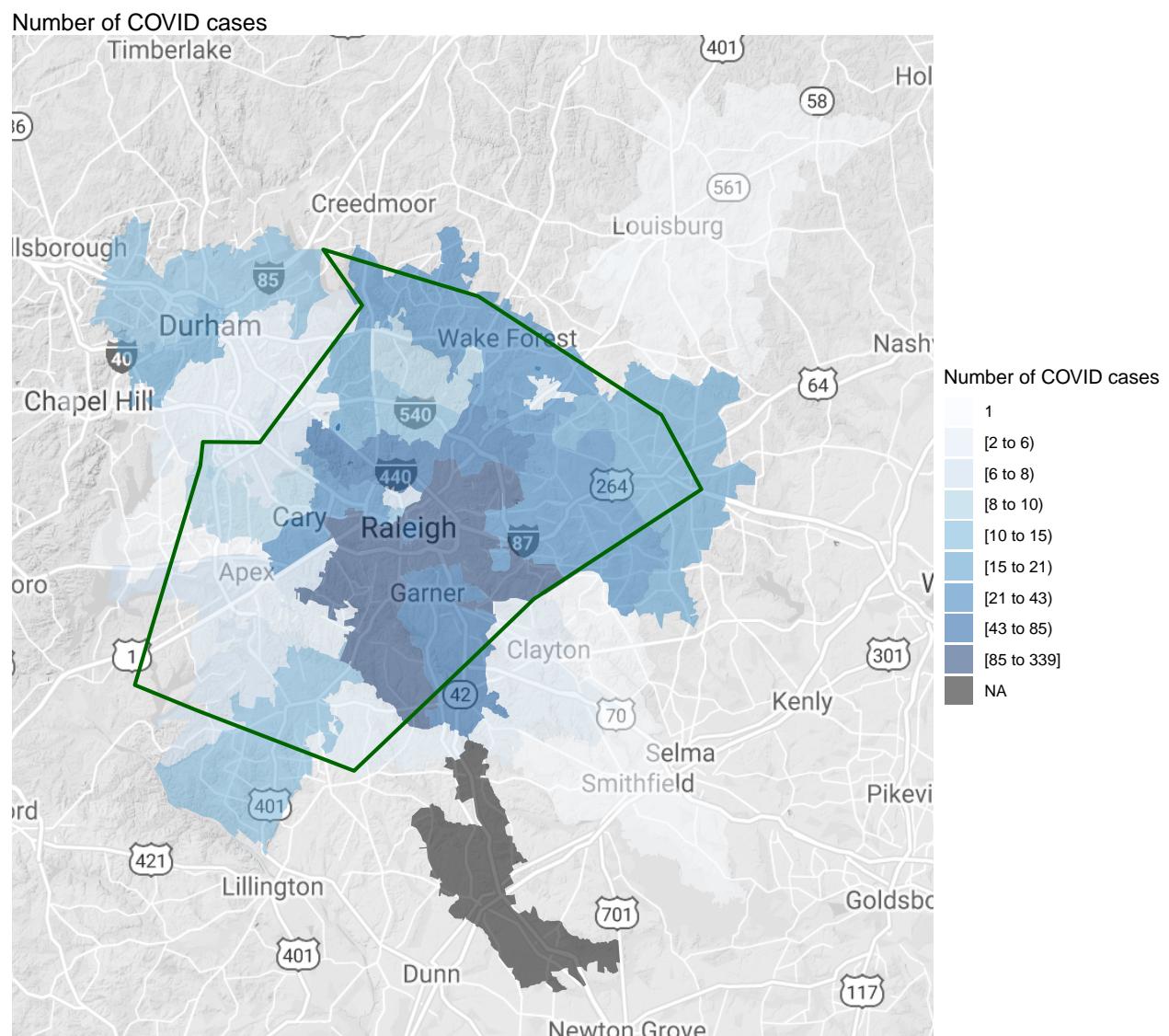


## Mapping Veteran

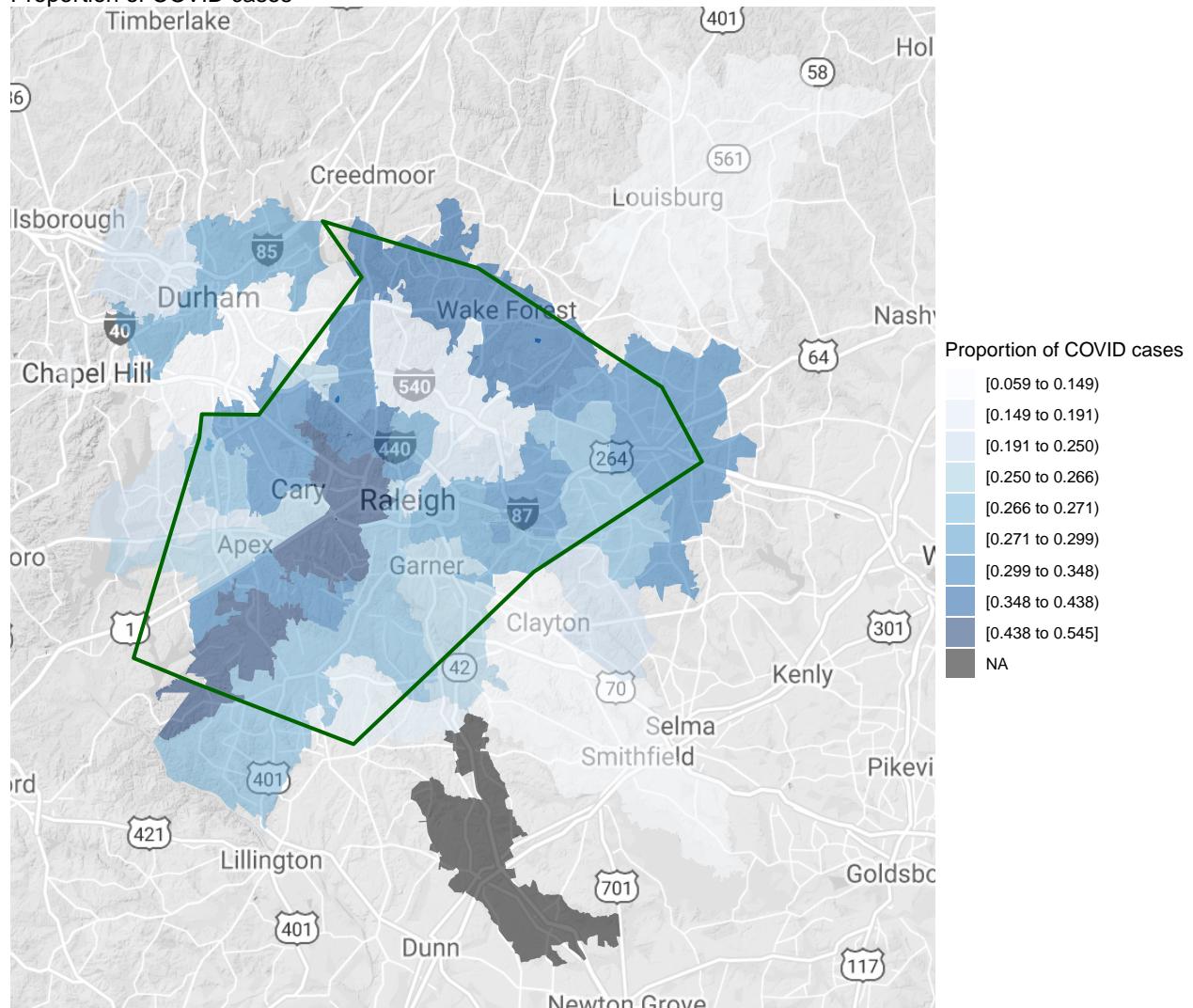




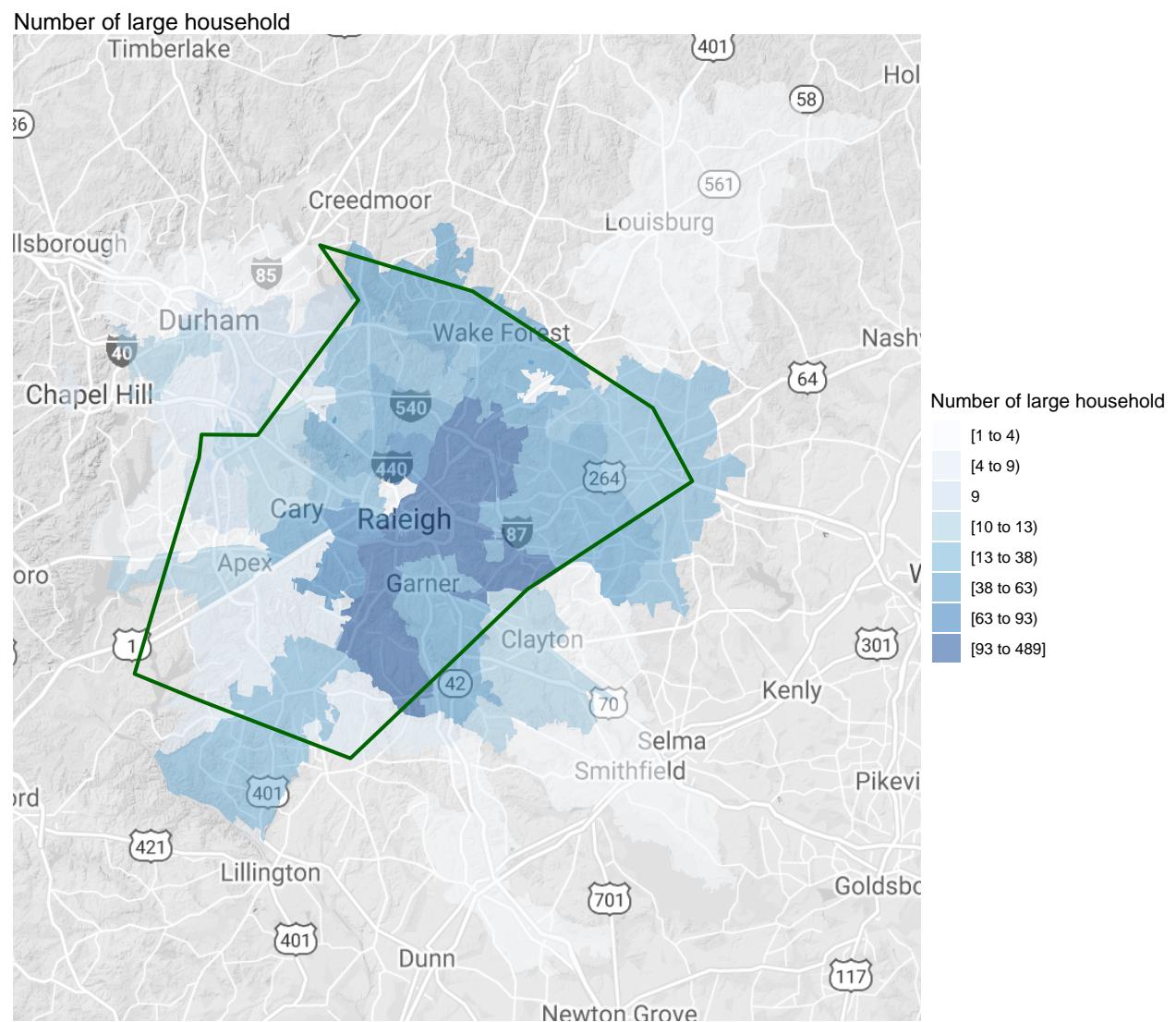
## Mapping COVID status

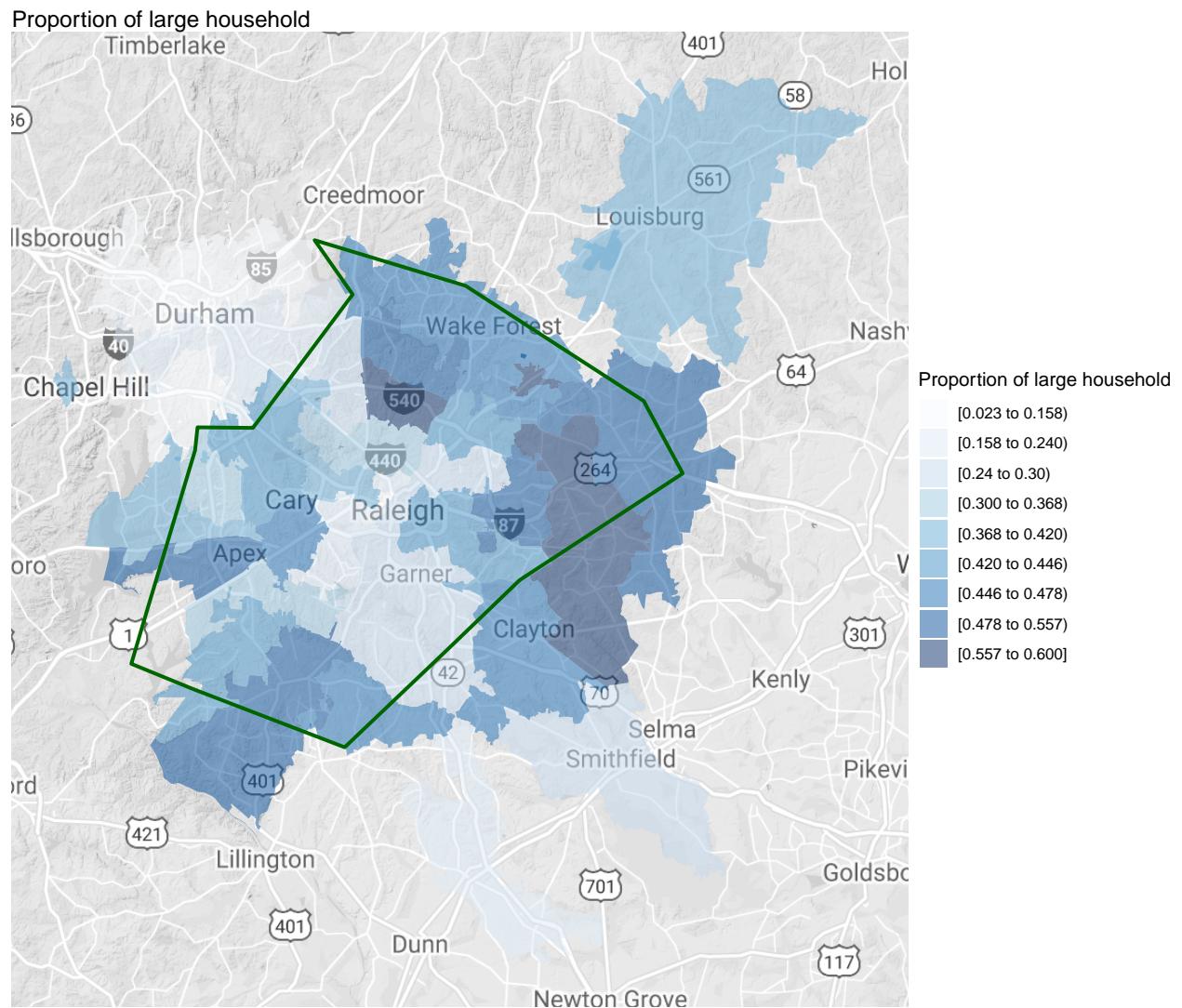


Proportion of COVID cases

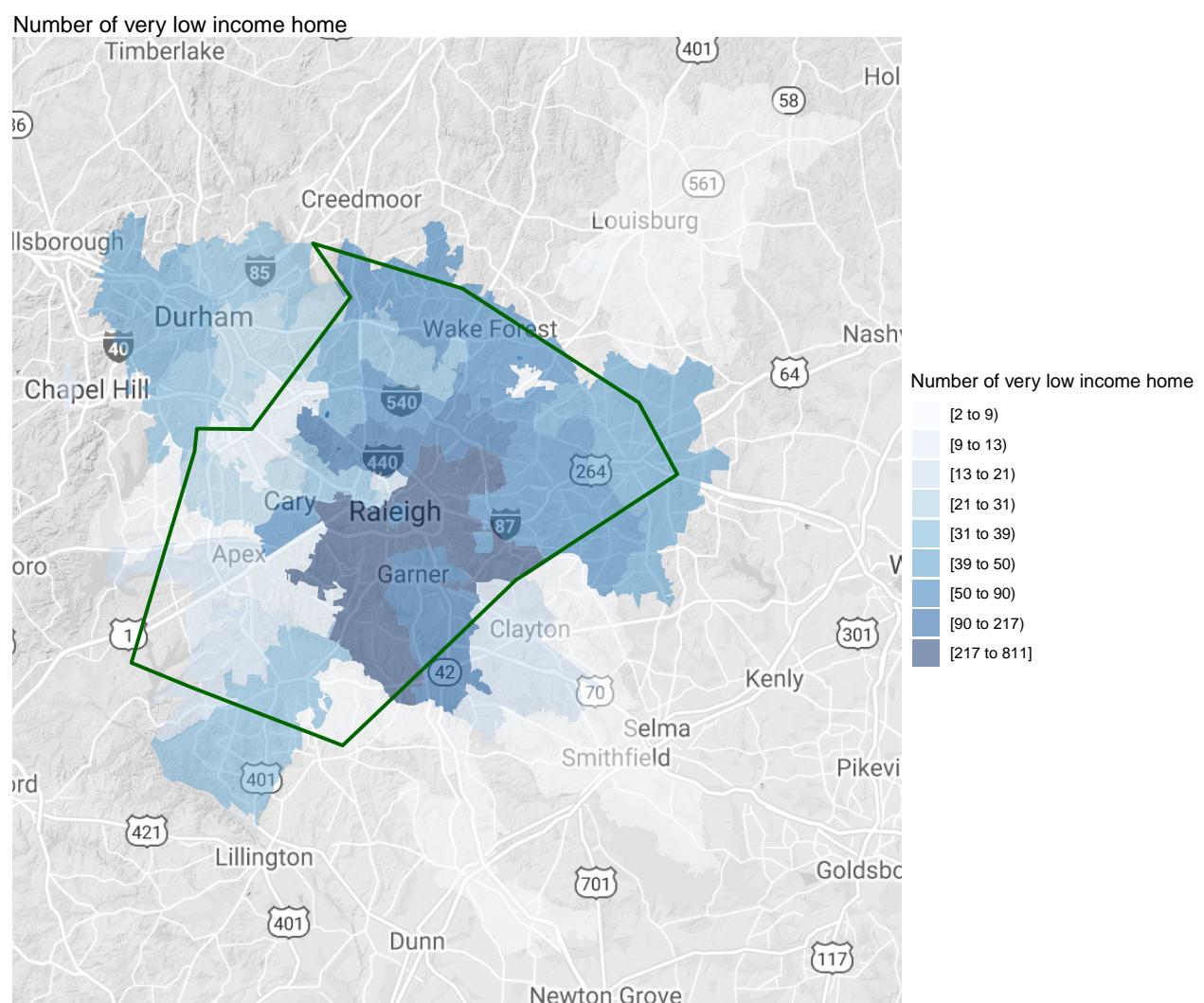


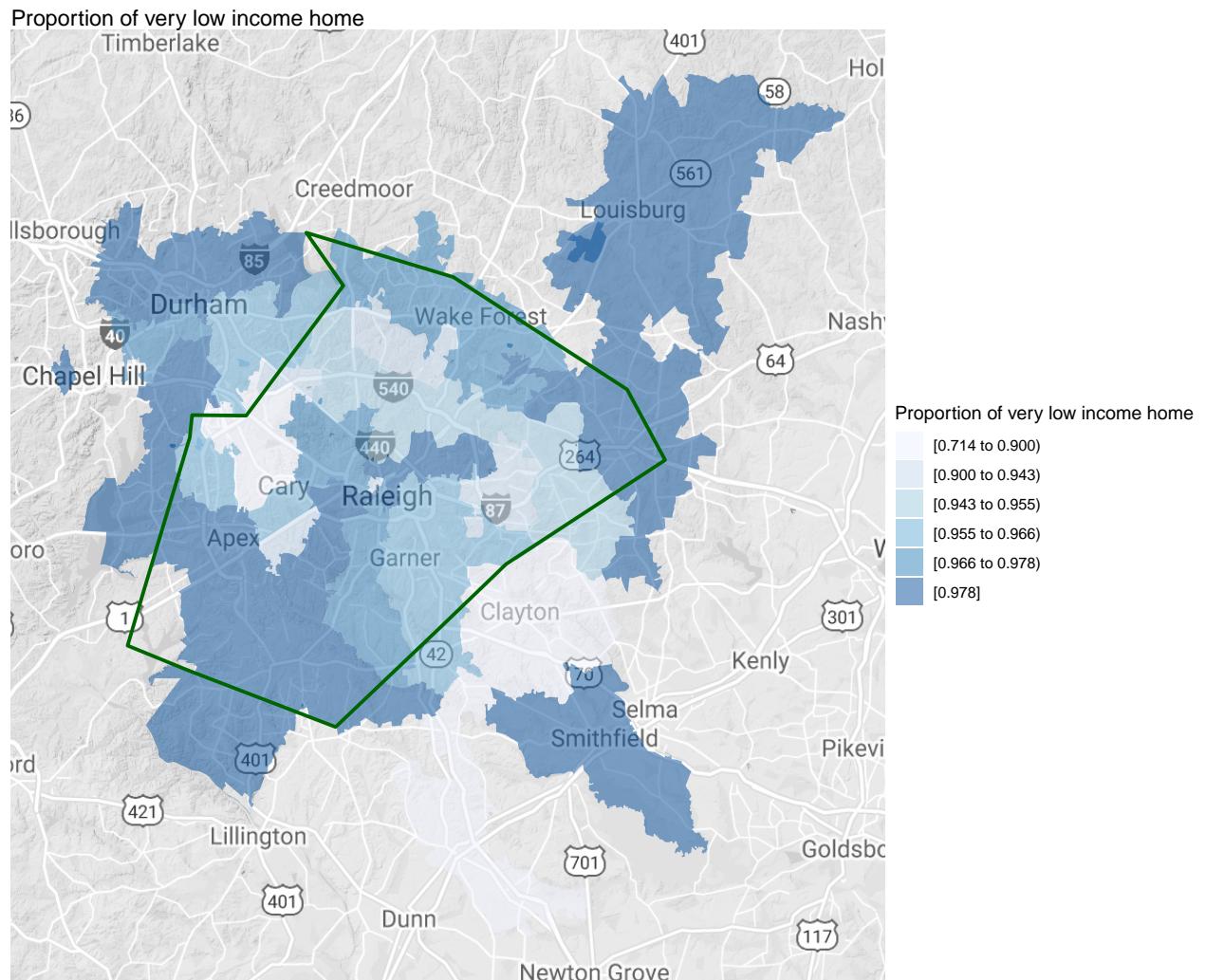
## Mapping TotalHHNumber



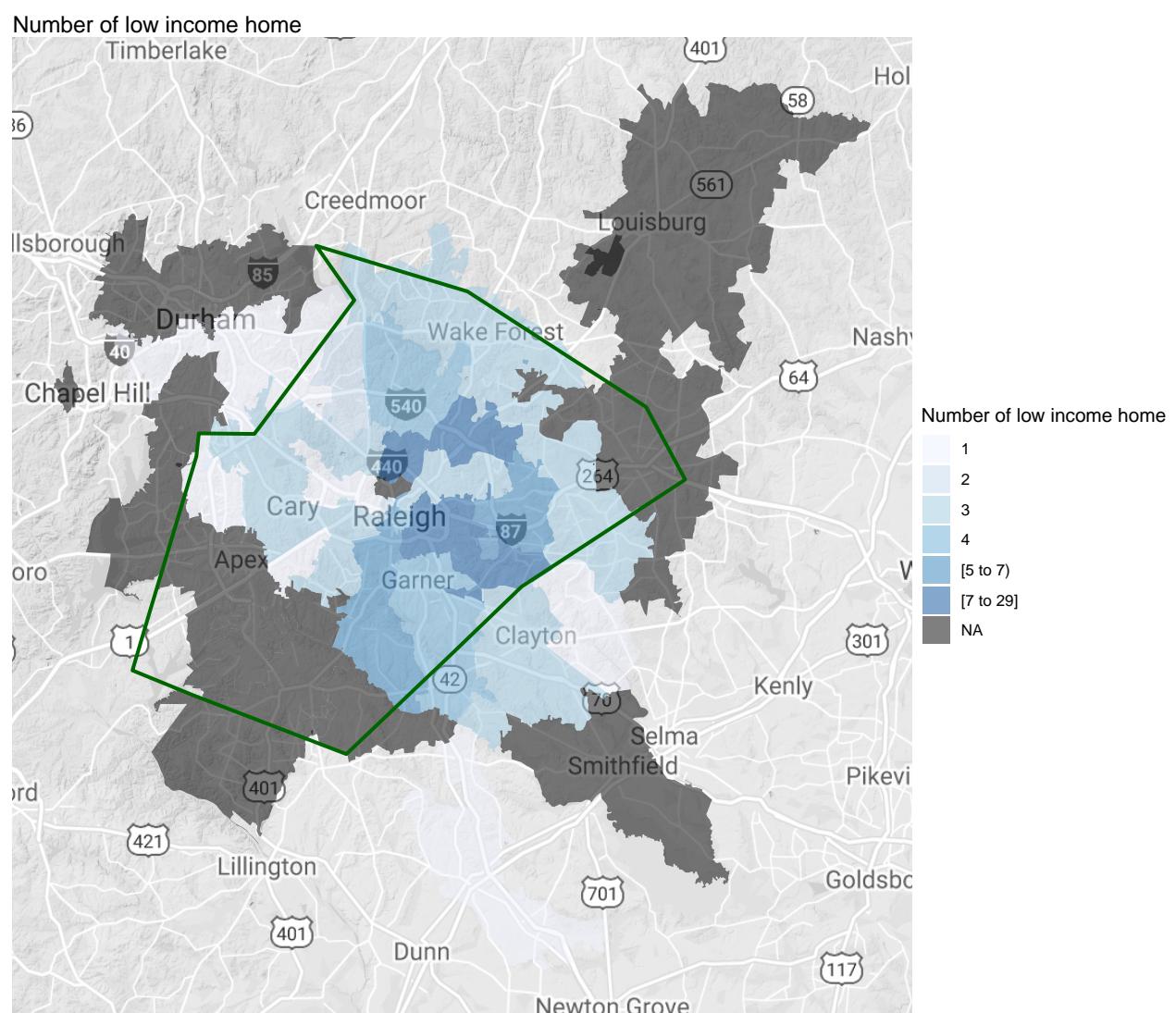


## Mapping Homeincome\_Very low income status





## Mapping Homeincome\_Low income status



Proportion of low income home

