

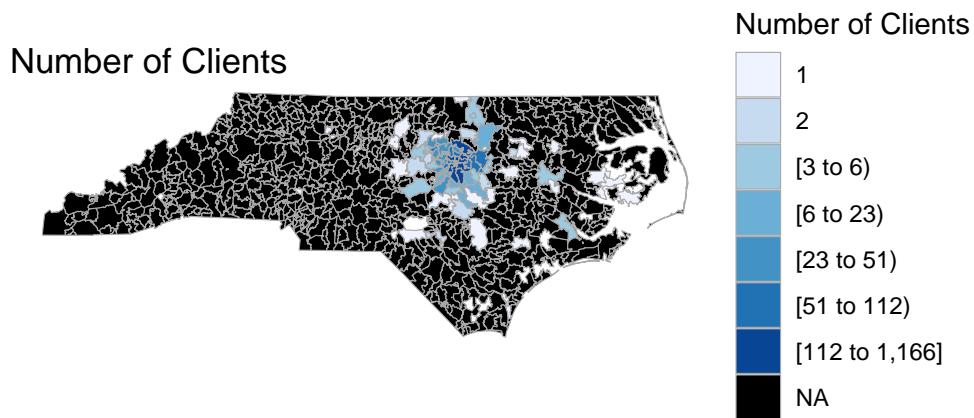
# Met and Unmet Needs Mapping

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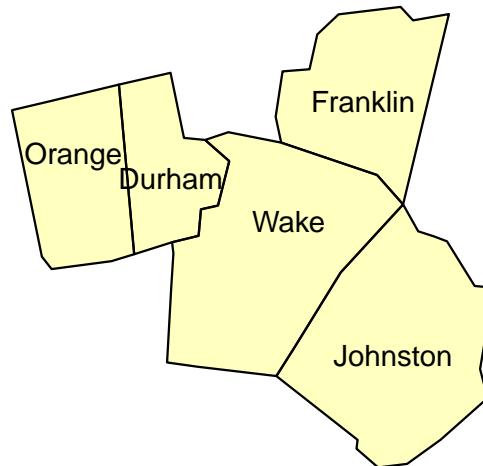
First, we map all the client zip codes in North Carolina.

For the zip codes that are not in North Carolina, one zip code is from Virginia (with one client), one zip code is from West Virginia (with one client) and the rest are typos.

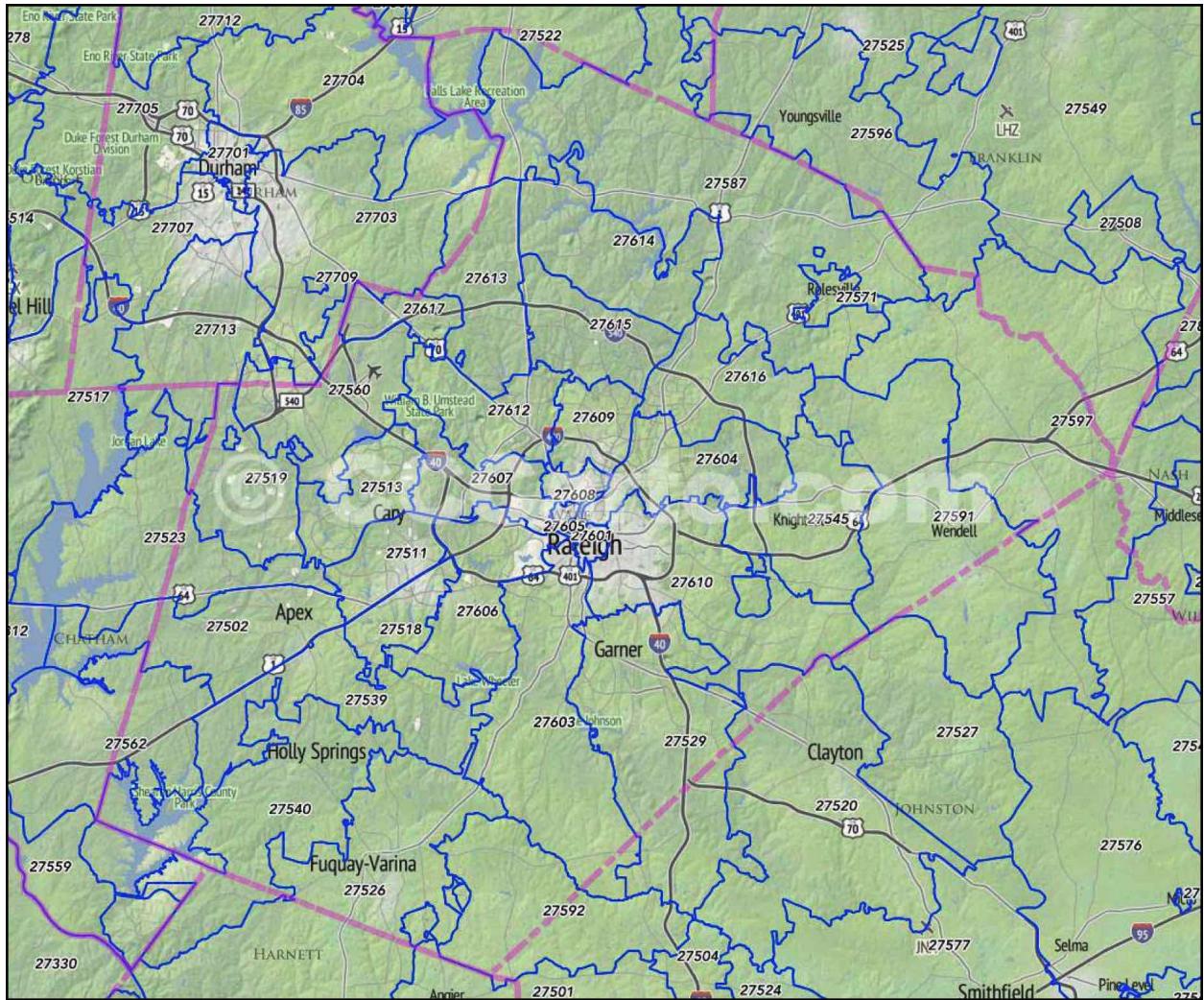


Five counties contain all the zip codes with at least 5 client households: Orange, Durham, Franklin, Wake, and Johnston. Most of the zip codes lie within Wake county.

**Counties Serviced by TGCP**



Below is a map of the zip codes in Wake County, taken from [https://www.cccarto.com/nc/wake\\_zipcodes/](https://www.cccarto.com/nc/wake_zipcodes/).

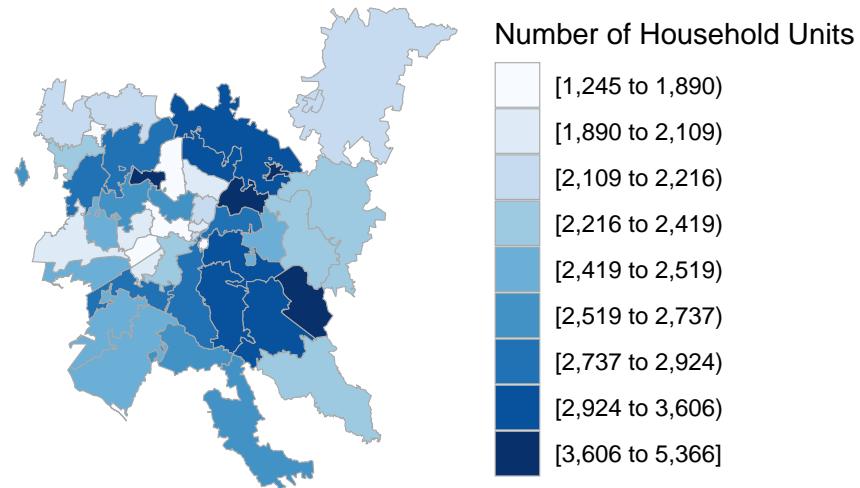


## Needs mapping

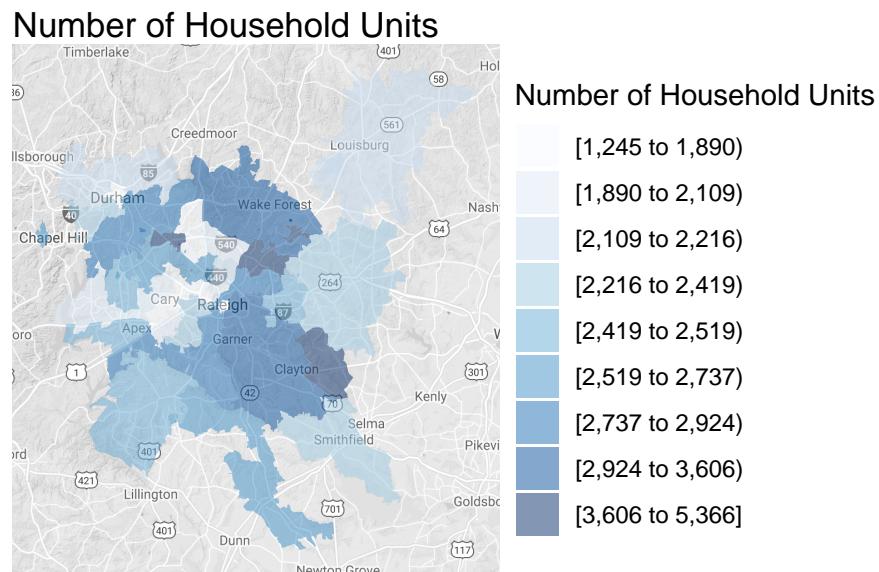
First, we plot the number of household units and the need as represented by lower Per Capita Income (PCI). These two variables are taken from the CDC Social Vulnerability Index.

Below shows the number of household units in each zip code that contains at least 5 TGCP client households.

## Number of Household Units

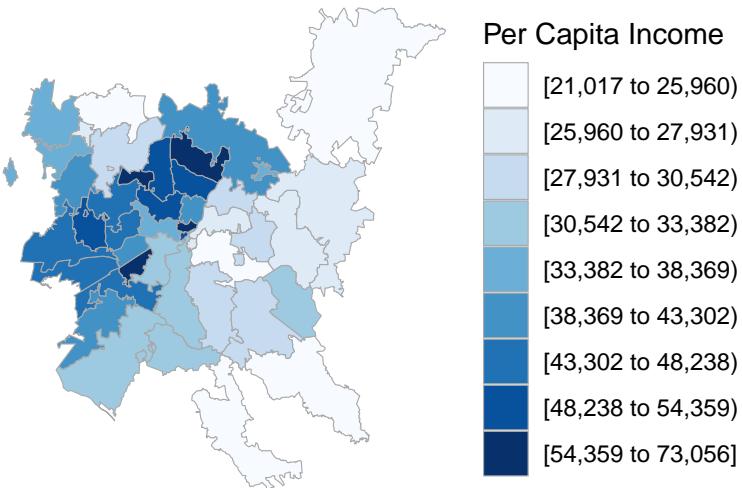


Below is the same map, overlaid over Google Maps.



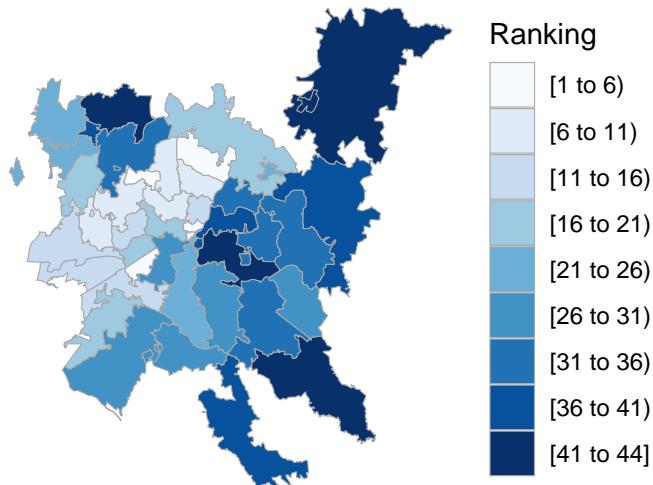
Below shows the Per Capita Income of each zip code.

## Per Capita Income



Below ranks the zip code according to PCI. That is, the rank of 1 is assigned to the highest PCI, and the last rank of 44 is assigned to the lowest PCI. Thus, a higher rank corresponds to higher need.

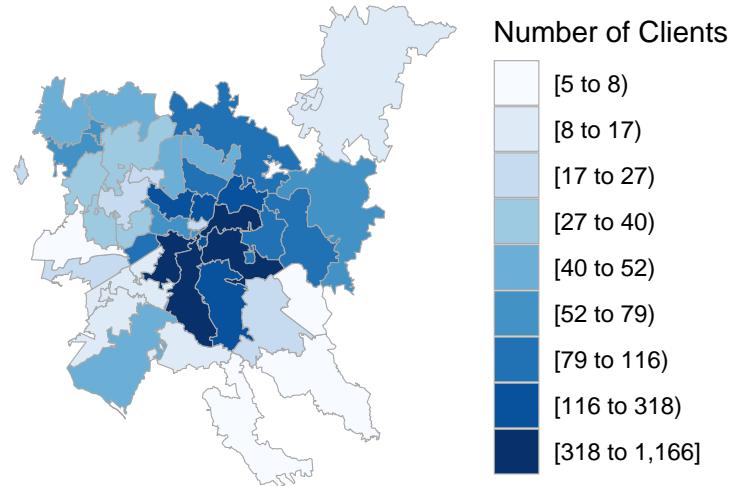
## Ranking of Need (corresponding to lower PCI)



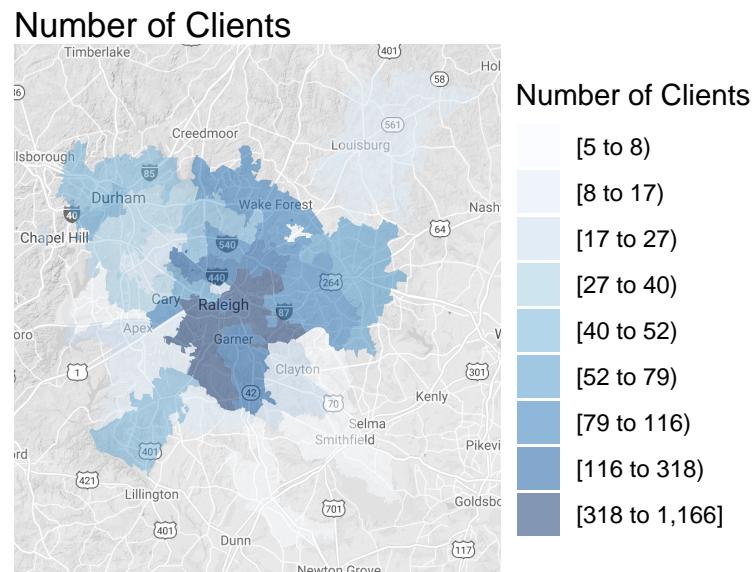
## Met Needs Mapping

The below map shows the number of client households served by TGCP at each zip code.

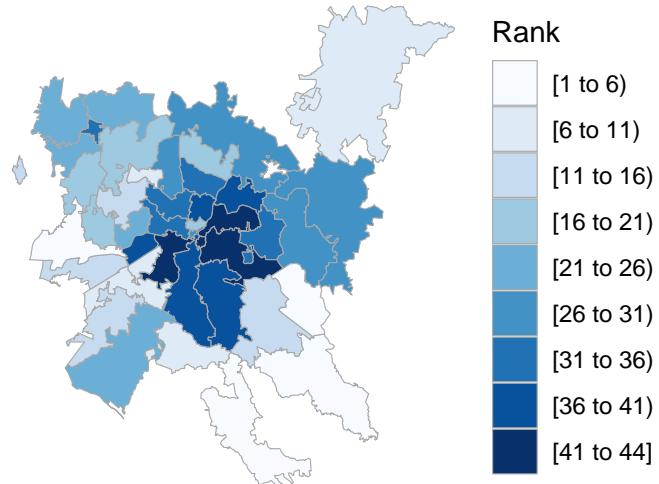
## Number of Clients



Below is the same map, overlaid over Google Maps.

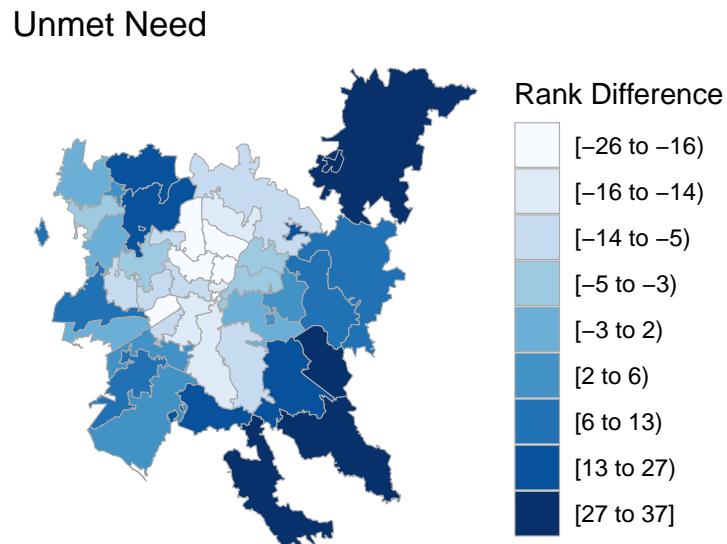


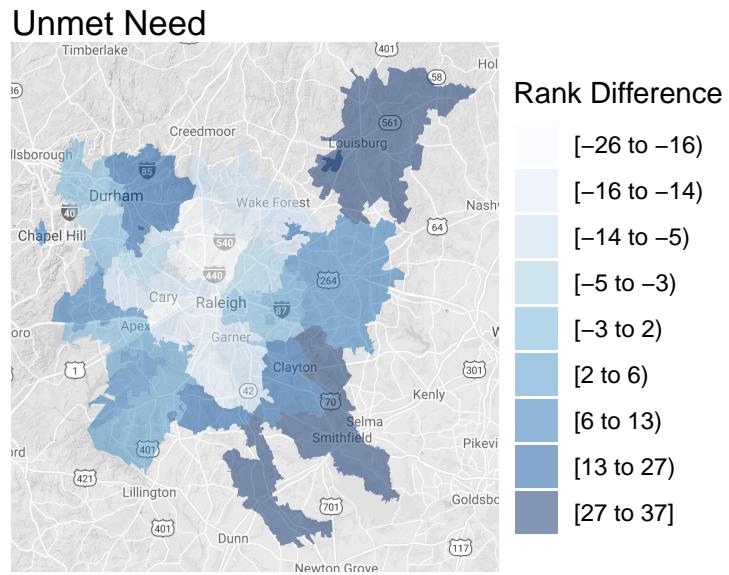
## Ranking of Number of Households Served



## Unmet Needs Plot

Difference of the “met” and “unmet” need rankings





## References

1. Centers for Disease Control and Prevention, Agency for Toxic Substances and Disease Registry, Geospatial Research, Analysis, and Services Program. CDC/ATSDR Social Vulnerability Index 2018 database United States. [https://www.atsdr.cdc.gov/placeandhealth/svi/data\\_documentation\\_download.html](https://www.atsdr.cdc.gov/placeandhealth/svi/data_documentation_download.html).