

# Where Our Seniors Live in Shelby County: Concentration of Risk for COVID-19

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Older adults have a much higher risk of death from COVID-19 than younger people. According to the China CDC Weekly (2020), older adults over the age of 80 have a 14.8% probability of dying when exposed to COVID-19, older adults ages 70 to 79 have a 8% probability of dying when exposed to COVID-19, and older adults ages 60 to 69 have a 3.6% probability of dying when exposed to COVID-19.

According to the 2018 Census (the most current available data) In Shelby County, there are 72,152 adults ages 65 to 74 and 46,414 adults over age 75, for a total of 118,566 older adults over age 65.

The maps show the areas where the majority of older adults live in Shelby County. These areas are where the highest risk of deaths related to COVID-19 exist due to age factors.

**FIGURE 1 – NUMBER OF PEOPLE AGES 60-74 BY CENSUS TRACT IN SHELBY COUNTY**

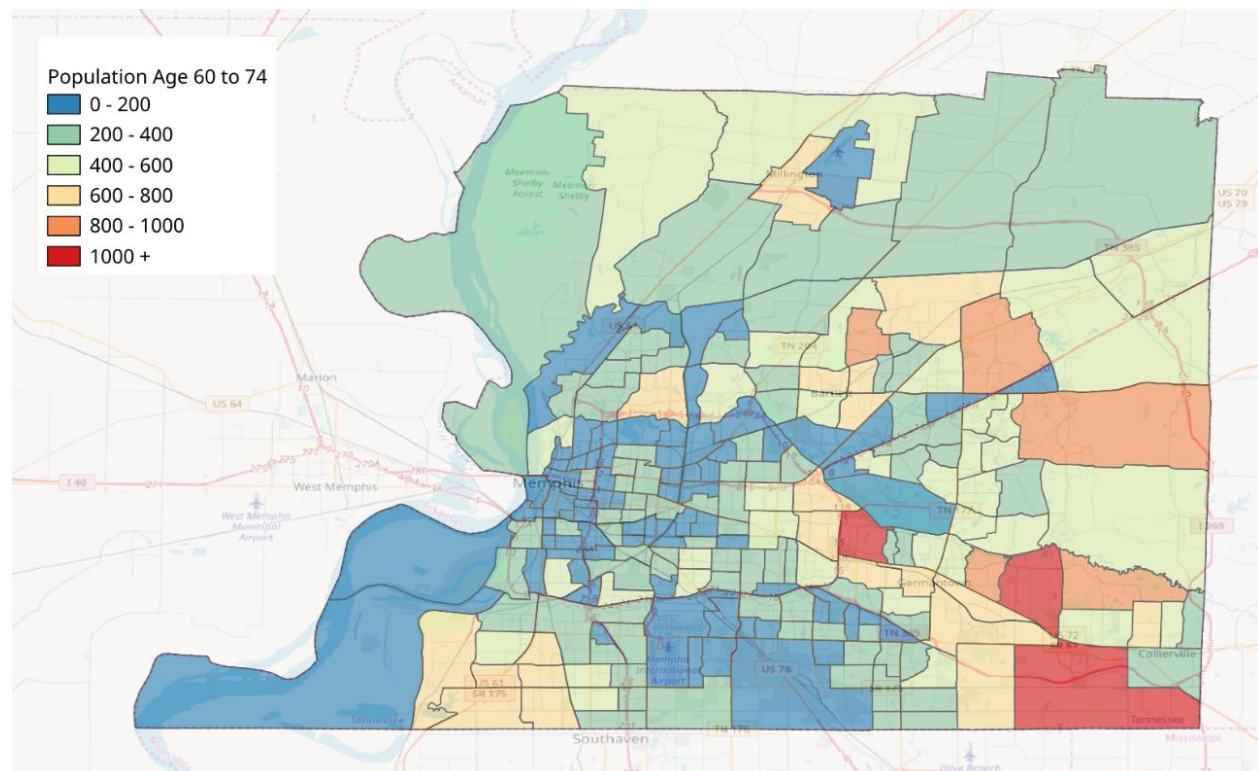


Figure by the authors from US Census data

**FIGURE 2 – NUMBER OF PEOPLE AGES 75+ BY CENSUS TRACT IN SHELBY COUNTY**

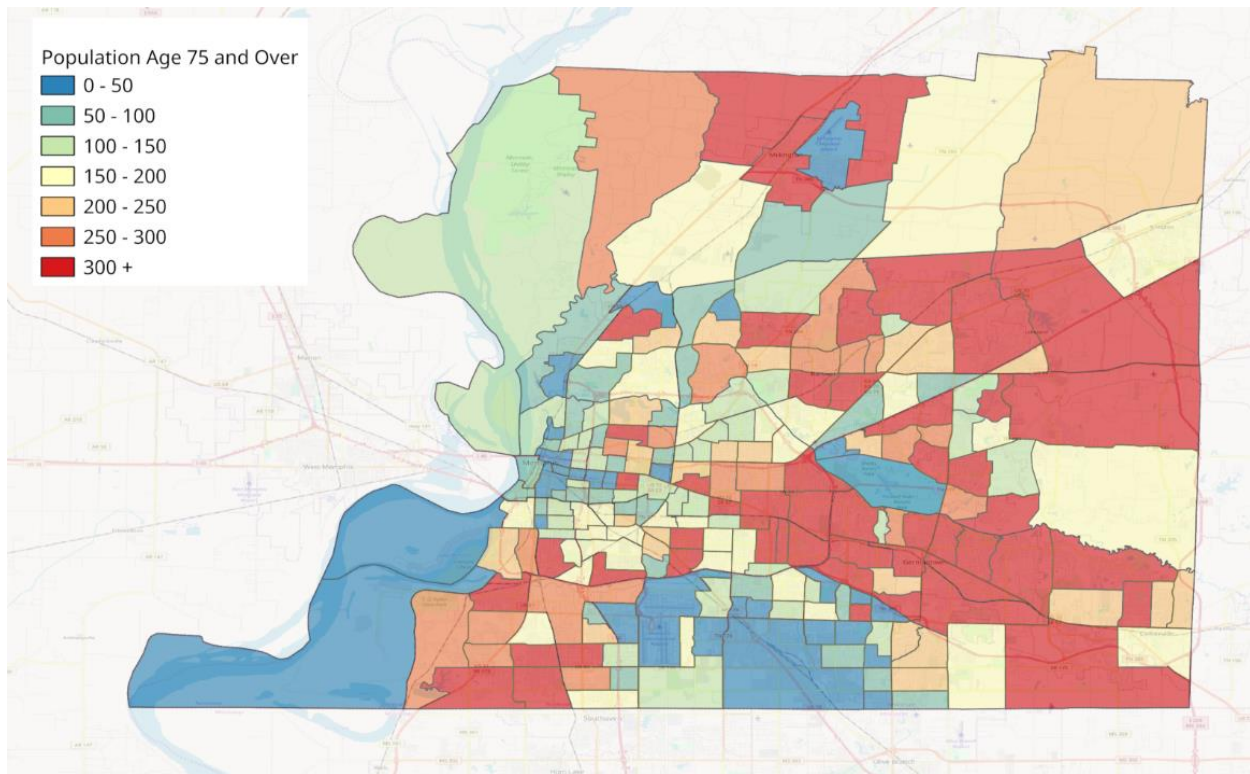


Figure by the authors from US Census data

#### SOURCES

The Novel Coronavirus Pneumonia Emergency Response Epidemiology Team. (2020). The epidemiological characteristics of an outbreak of 2019 Novel Coronavirus diseases (COVID-19). *China CDC Weekly*, 2(8), 113-122.

U.S. Census Bureau. (2018). Age: Shelby County census tracts. *American Community Survey Table S0101* [Data file]. Retrieved from [https://data.census.gov/cedsci/table?g=0500000US47157.140000&t=Age%20and%20Sex&tid=A CSST5Y2018.S0101&vintage=2018&hidePreview=true&cid=S0101\\_C01\\_001E&layer=censustract](https://data.census.gov/cedsci/table?g=0500000US47157.140000&t=Age%20and%20Sex&tid=A CSST5Y2018.S0101&vintage=2018&hidePreview=true&cid=S0101_C01_001E&layer=censustract)