

HEALTH DISPARITIES IN SHELBY COUNTY, TN

presented by

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Data presented can be found at

<https://www.healthiershelby.com/indicators/index/dashboard>



This presentation can also be found at

roms-totalwellness.com



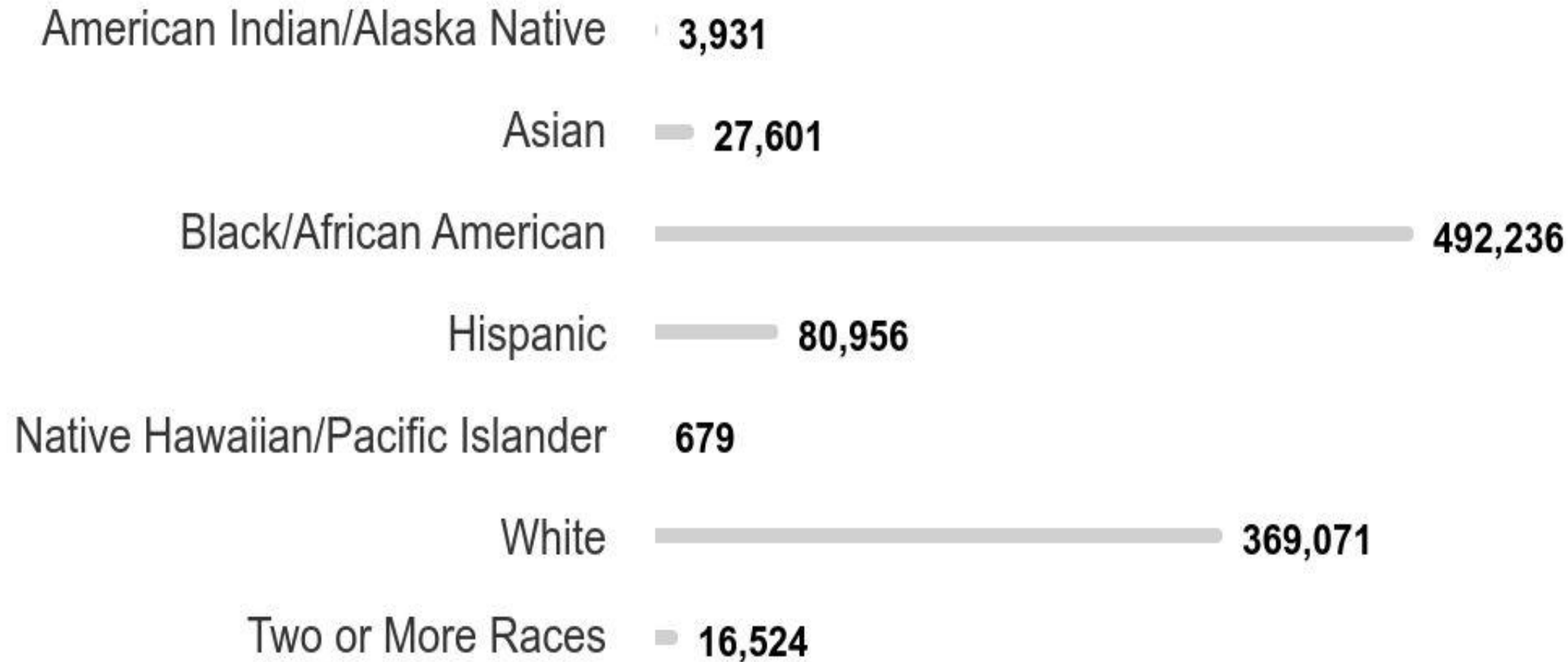
HEALTH DISPARITIES IN SHELBY COUNTY, TN

SHELBY COUNTY, TENNESSEE 2023

Total Population = **910,042**

- Black/African American **54.1%**
- White **40.6%**
- White, Non-Hispanic **33.0%**
- Hispanic or Latino **8.9%**
- Asian **3.0%**
- Two or More Races **1.8%**
- American Indian/Alaska Native **0.4%**
- Native Hawaiian/Pacific Islander **0.1%**

Total Population by Race/Ethnicity County: Shelby



Source: U.S. Census Bureau Population and Housing Unit Estimates (2023)

SHELBY COUNTY, TENNESSEE 2023

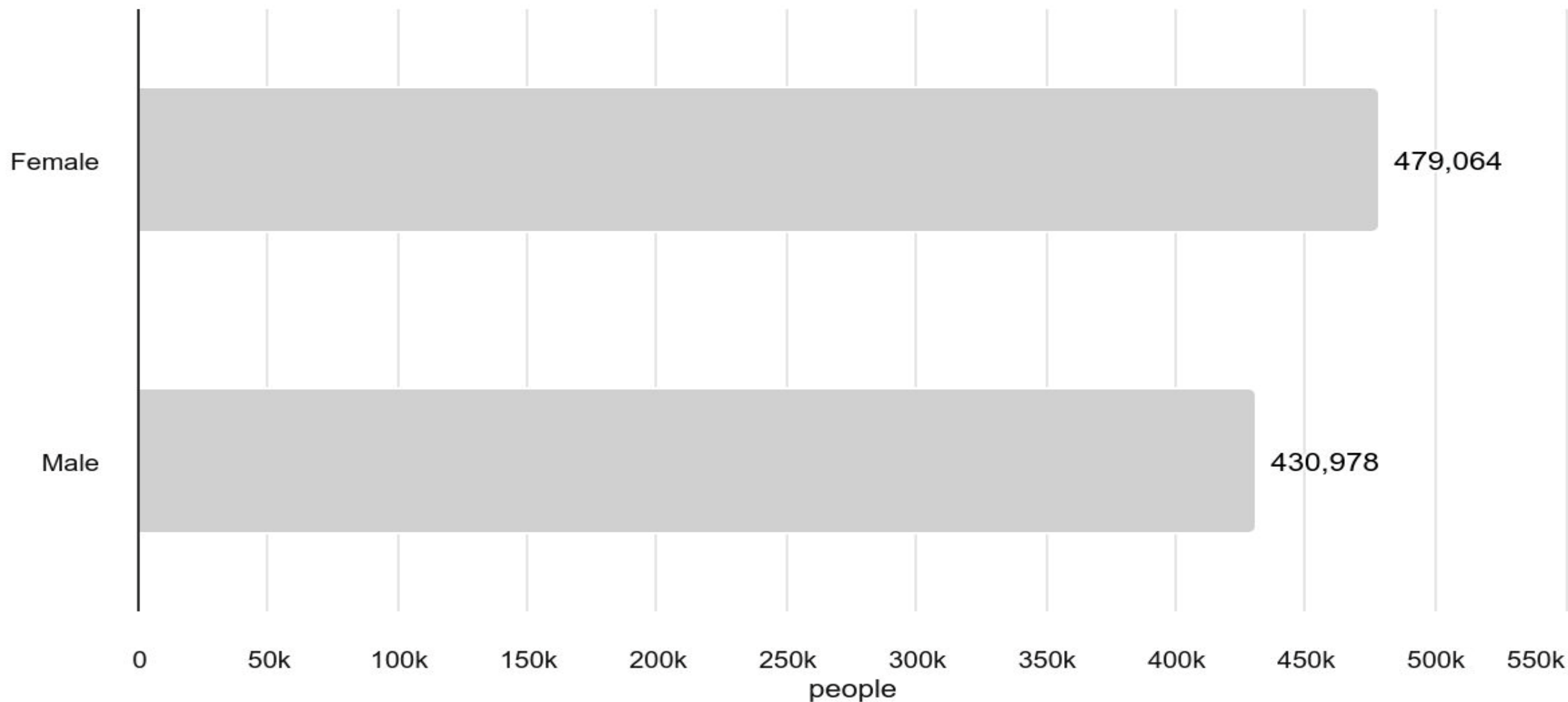
Total Population = **910,042**

Female 52.6%

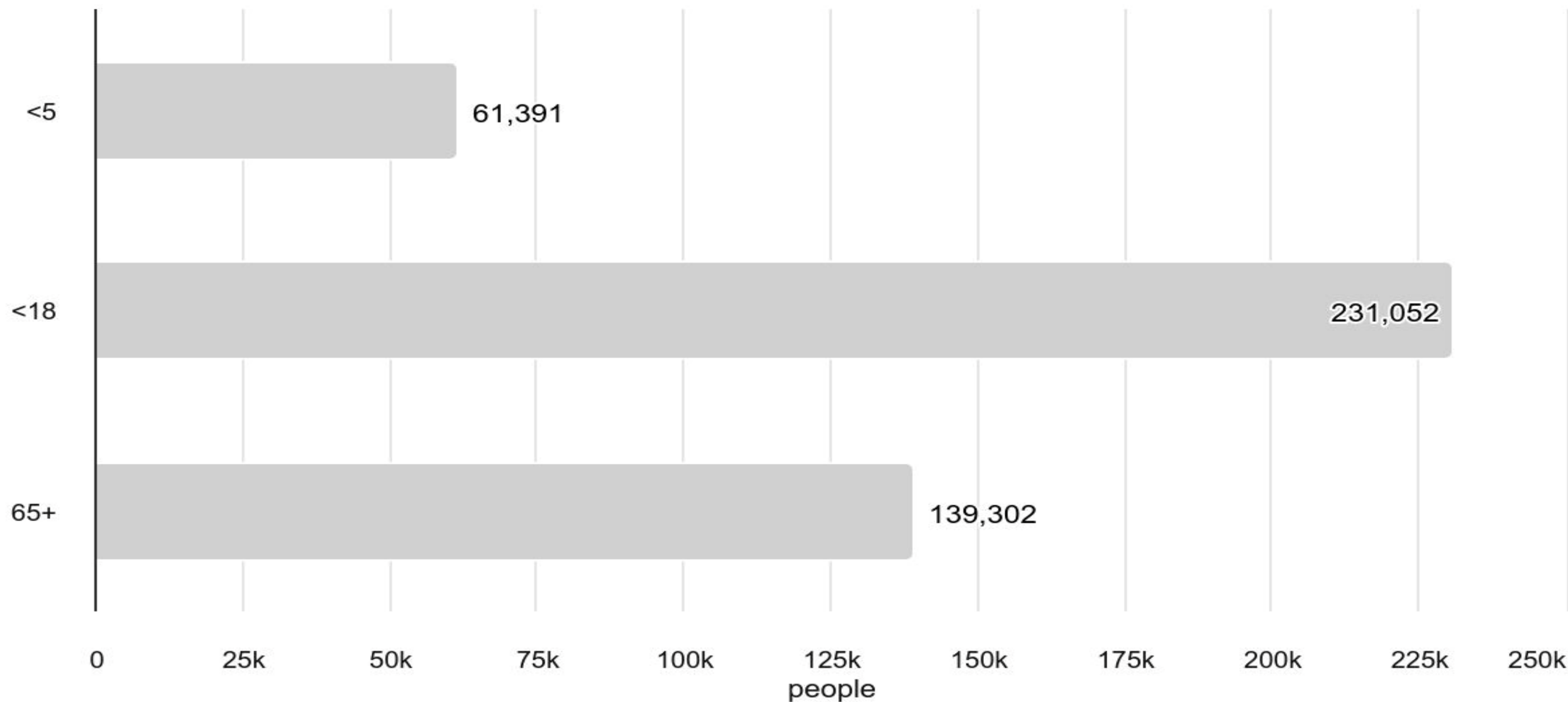
Male 47.4%

Source: U.S. Census Bureau Population and Housing Unit Estimates (2023)

Total Population by Gender County: Shelby



Total Population by Age County: Shelby



SHELBY COUNTY, TENNESSEE 2020

- Education: Bachelor's degree or higher **33.8%**
- Median household income: **\$59,621**
- Per capita income: **\$36,230**
- Persons in Poverty: **18.1%**
- Persons without health insurance: **11.4%**

INFANT MORTALITY

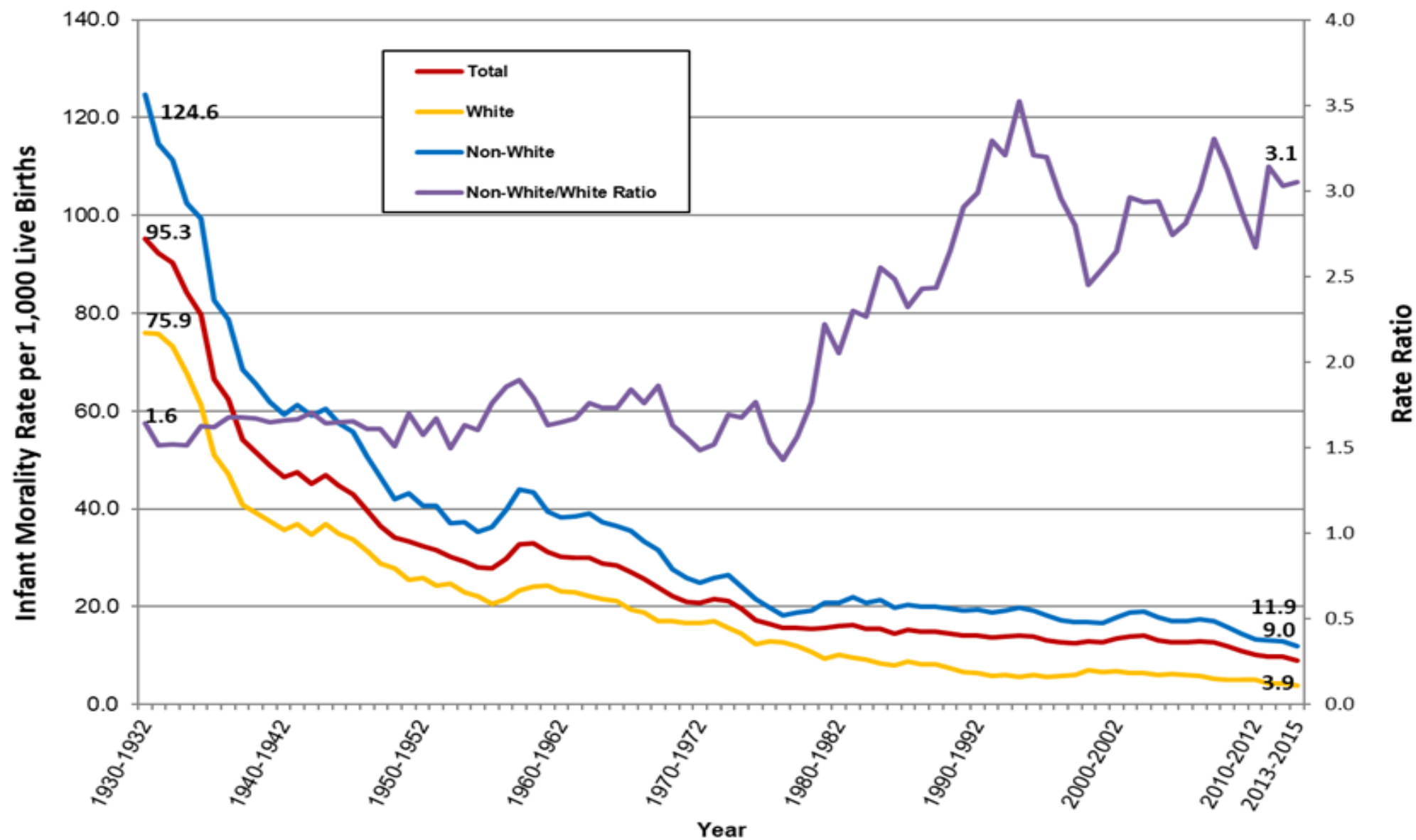
Infant Mortality Rate

(Infant Deaths per 1,000 Live Births)

Infant Mortality Rate

- It is an important indicator of the **overall physical health of a community**.
- Preserving the lives of newborns has been a long-standing issue in **public health, social policy, and humanitarian endeavors**.
- **High infant mortality** rates are generally indicative of unmet human health needs in **sanitation, medical care, nutrition, and education**.

Infant Mortality Rate, Shelby County, 3 yr rolling, 1930-2015



Infant Mortality Rate, Shelby County 1930-1932

Whites: **75.9** infant deaths per 1,000 live births

Non-white: **124.6** infant deaths per 1,000 live births

Non- white infant mortality rate is **1.6 X** higher than white infant mortality.

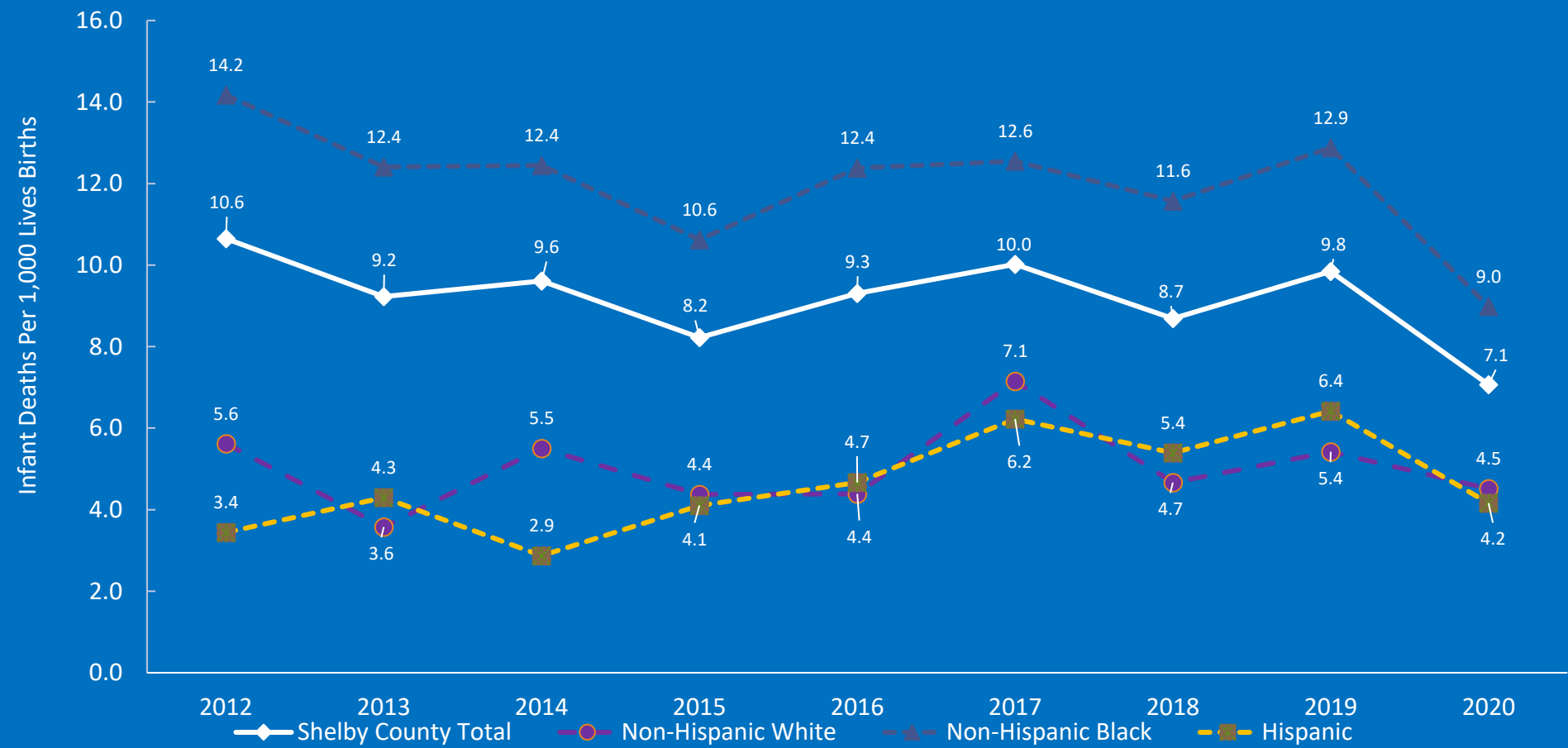
Infant Mortality Rate, Shelby County 2013-2015

Whites: **3.9** infant deaths per 1,000 live births

Non-white: **11.9** infant deaths per 1,000 live births

Non- white infant mortality rate is **3.1 X** higher than white infant mortality.

Infant Mortality Rate by Race-Ethnicity (2012 – 2020)



Data Source: Tennessee Department of Health, Office of Policy, Planning and Assessment, Division of Health Statistics, Birth and Death Certificate Files for Shelby County Residents, 2012– 2020. Use of these data does not imply TDH agrees or disagrees with any presentations, analyses, interpretations or conclusions herein. Prepared by Shelby County Health Department (SCHD), Office of Epidemiology and Infectious Diseases 09/30/2022.

Infant Mortality Rate by Race/Ethnicity

Shelby County, TN 2020

Non-Hispanic Blacks **9.0**

Non-Hispanic Whites **4.5**

Black Infant Mortality Rate is **2x** higher than Whites

Infant Mortality Rate by Race/Ethnicity

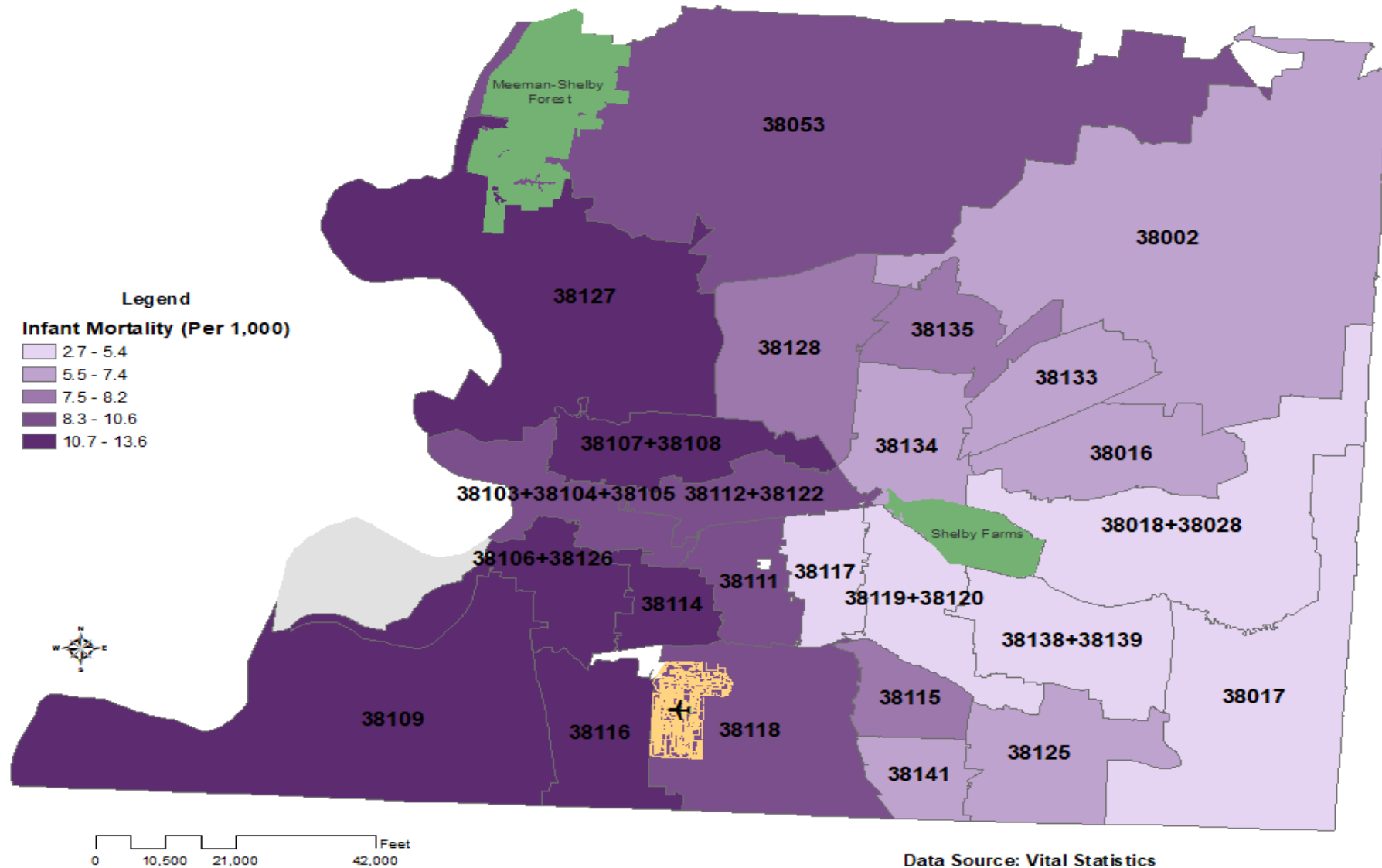
Shelby County, TN 2020

Non-Hispanic Blacks 9.0

Hispanics 4.2

Black Infant Mortality Rate is 2x higher than Hispanics

Infant Mortality Rate, Shelby County, by Zip Code, 2015-2020



Data Source: Tennessee Department of Health, Office of Policy, Planning and Assessment, Division of Health Statistics, Birth and Death Certificate Files for Shelby County Residents, 2015– 2020. Use of these data does not imply TDH agrees or disagrees with any presentations, analyses, interpretations or conclusions herein. Prepared by Shelby County Health Department (SCHD), Office of Epidemiology and Infectious Diseases 09/30/2022.

Top 5 Zip Codes with Highest Infant Mortality Rates

Shelby County, TN 2015-2019

38116 (Whitehaven) 13.9

38127 (Frayser) 13.8

38106 (South Memphis) 12.6

38127 (South Memphis) 12.6

38118 (Oakhaven) 11.6

Infant Mortality Rate by Zip Code

Shelby County, TN 2015 - 2020

Zip Codes with the **lowest** Infant Mortality Rate (**2.7 - 5.4**)

38138 (Germantown)

38139 (Germantown)

38017 (Collierville)

Infant Mortality Rate by Zip Code

Shelby County, TN 2015 - 2020

Zip Codes with the **lowest** Infant Mortality Rate (**2.7 - 5.4**)

VS

Zip Codes with the **highest** Infant Mortality Rate (**10.7 – 13.6**)

Difference in Infant Mortality Rate is **5X** higher

Sudden Unexpected Infant Death (SUID)

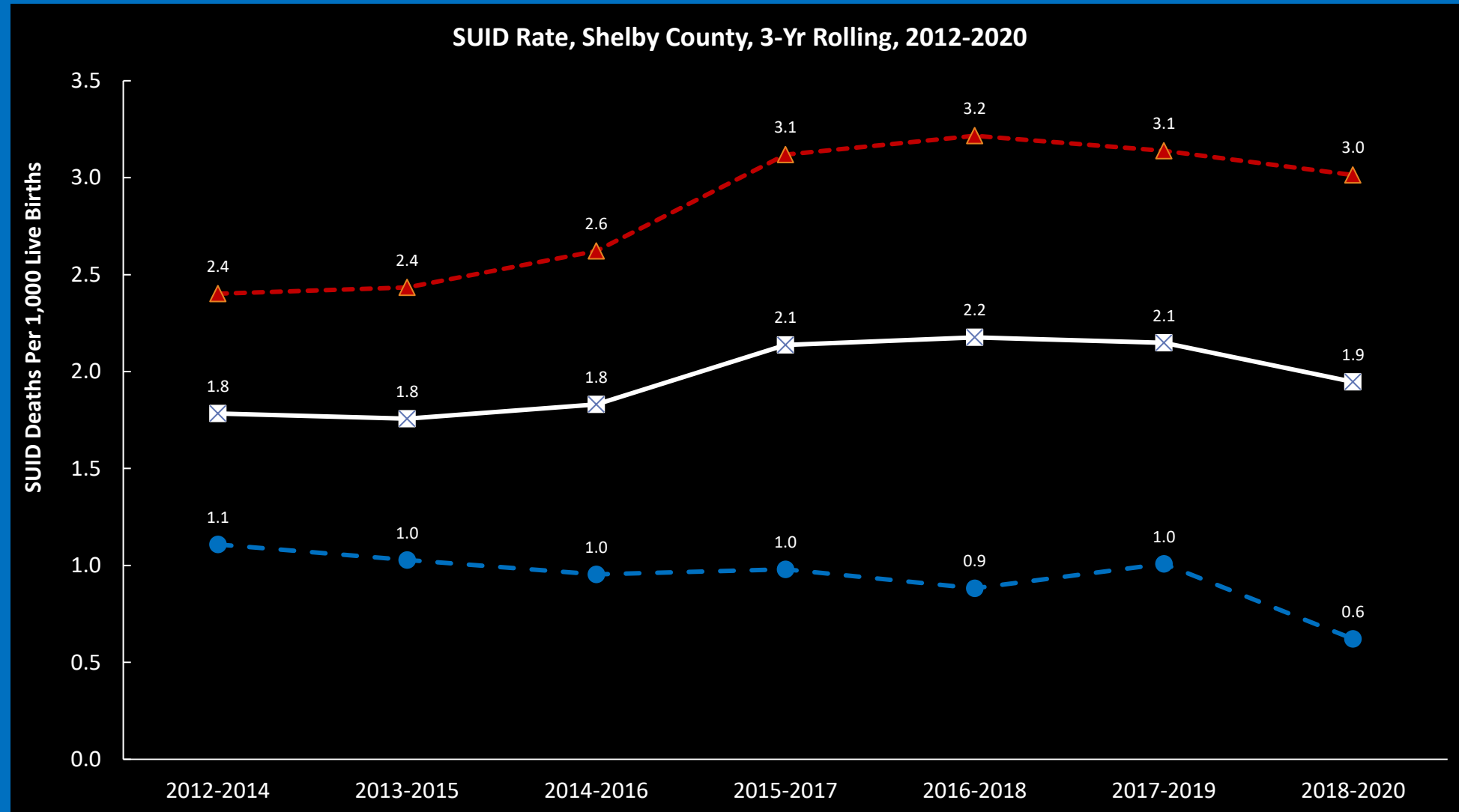
Sudden Unexpected Infant Death (SUID)

Sudden Infant Death Syndrome (SIDS)

Accidental Suffocation and Strangulation in Bed (ASSB)

Unknown deaths

Sudden Unexpected Infant Death (SUID)



Data Source: Tennessee Department of Health, Office of Policy, Planning and Assessment, Division of Health Statistics, Birth and Death Certificate Files for Shelby County Residents, 2012– 2020. Use of these data does not imply TDH agrees or disagrees with any presentations, analyses, interpretations or conclusions herein. Prepared by Shelby County Health Department (SCHD), Office of Epidemiology and Infectious Diseases 9/30/2022.

Red = Black, White = Shelby County Total, Blue = White

Sudden Unexpected Infant Death (SUID) Rate 3-Yr Rolling Average, 2018-2020

SUID Rate (SUID per 1,000 Live Births)

Blacks **3.0**

Whites **0.6**

Black SUID Rate is **5X higher** than that of White

Child Mortality Rate Shelby County, TN					
	Child Mortality Rate (Deaths/100,000 Population Under 20) 2018-2021				
Sex/Race/Ethnicity	Child Mortality Rate				
Overall	92.4				
Male					
Female					
Asian/Pacific Islander	39.7				
Black/African American	124.5				
Hispanic	73.1				
White	41.8				
Source: https://www.healthiershelby.com/indicators/index/dashboard					

Child Mortality Rate, 2018-2021 (Deaths/100,000 Under Age 20)

Asian 39.7

White 41.8

Hispanic 73.1

Black 124.5

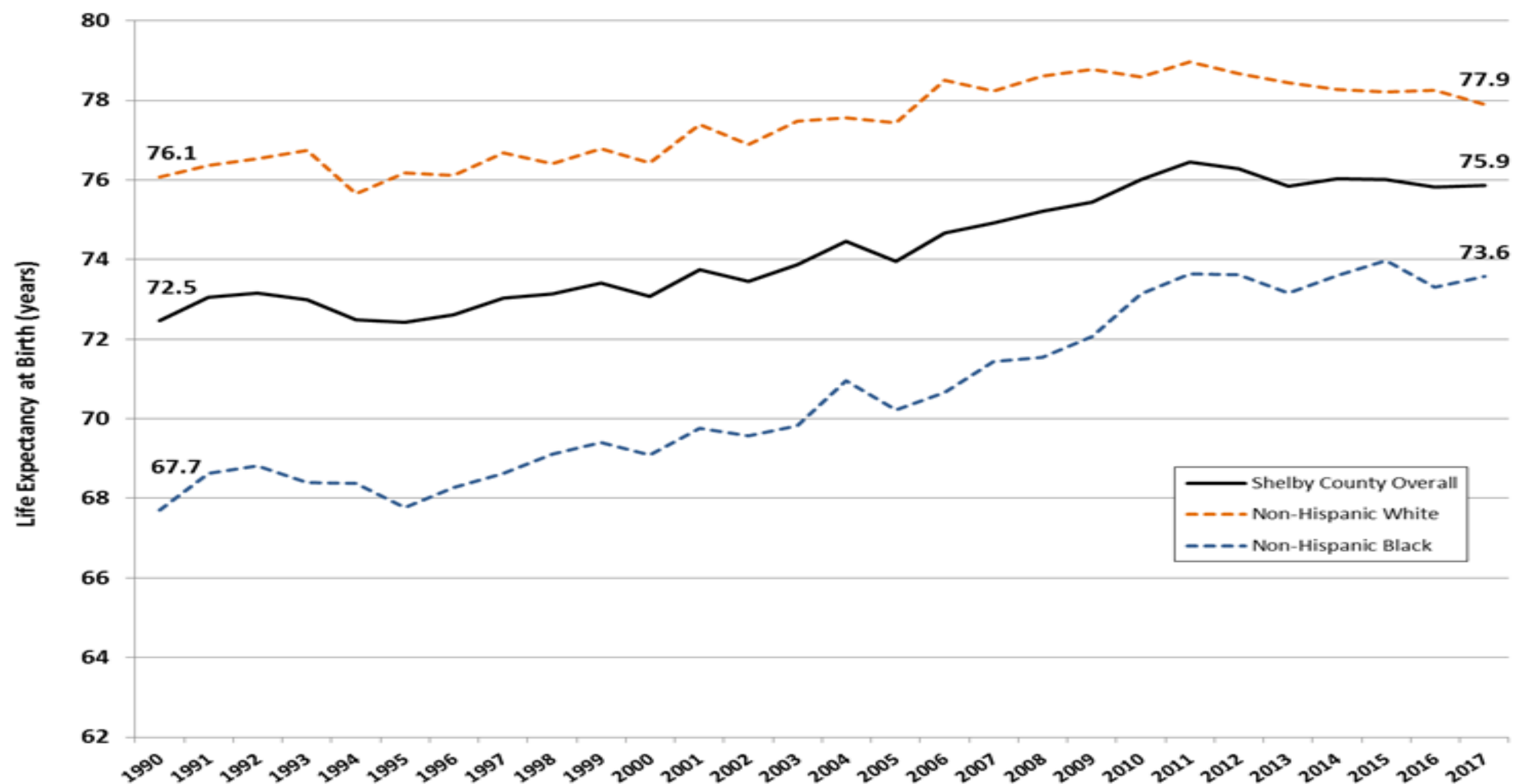
Black Child Mortality Rate is **3X** that of Whites and Asians

LIFE EXPECTANCY

LIFE EXPECTANCY

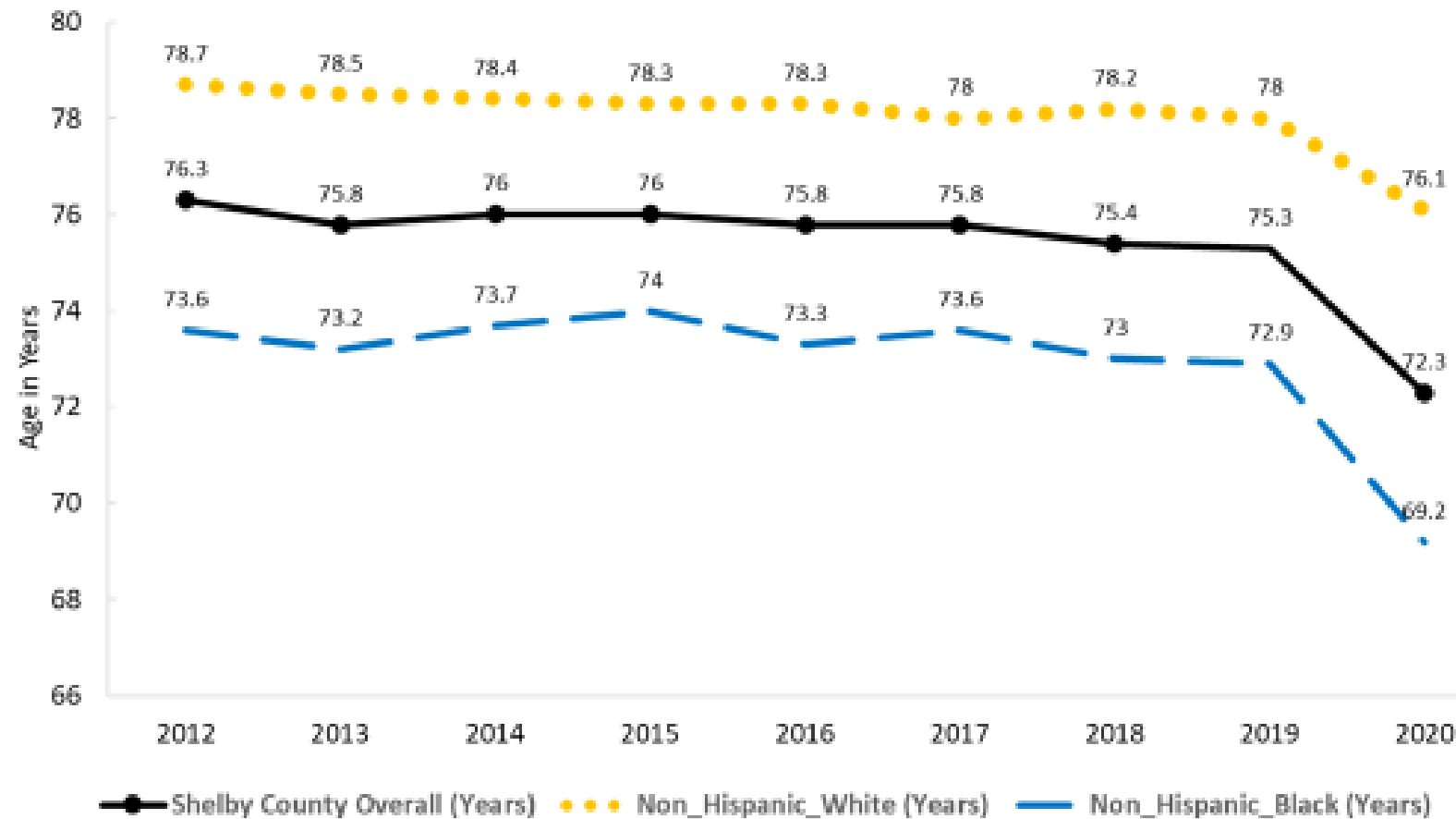
- Key indicator of **overall health** of a population.
- Estimate of the **average years** that a person is **expected to live**.
- High life expectancy can be attributed to **improved living conditions, better health care, and decreased mortality**.

Life Expectancy at Birth, Shelby County, TN 1990-2017



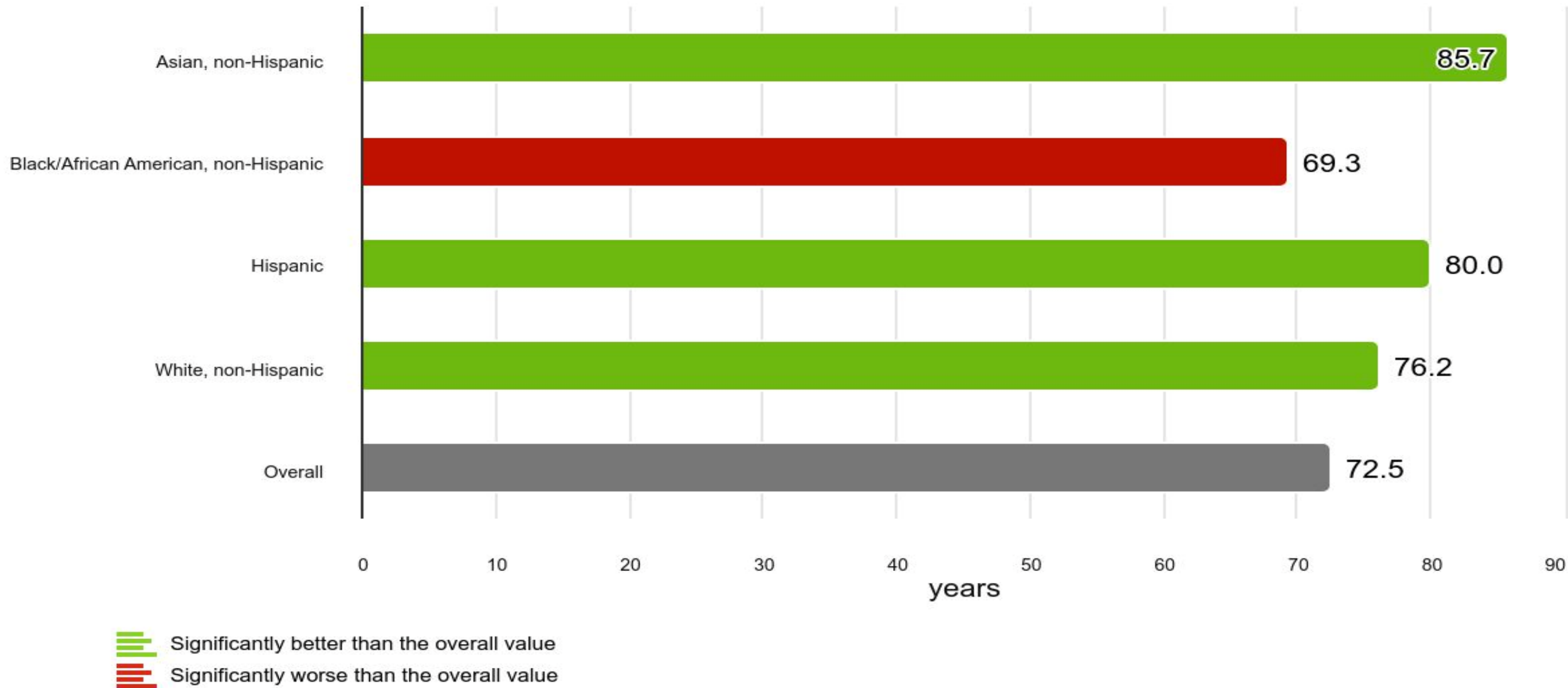
Data Sources: Tennessee Department of Health, Division of Health Statistics, Death Record Data for Shelby County Residents, 1990 – 2017; U.S. Census Populations with Bridged Race Categories: https://www.cdc.gov/nchs/nvss/bridged_race.htm. Prepared by Shelby County Office of Epidemiology and Infectious Diseases, February 2019.

Life Expectancy at Birth, Shelby County, TN 2012-2020



Data Source: Tennessee Department of Health, Office of Policy, Planning and Assessment, Division of Health Statistics, Death Certificate Files for Shelby County Residents, 2012–2020; United States Census, ACS 2016–2020 5-year population estimates. Use of these data does not imply TDH agrees or disagrees with any presentations, analyses, interpretations, or conclusions herein. Map Prepared by Shelby County Health Department (SCHD), Office of Epidemiology and Infectious Diseases.

Life Expectancy by Race/Ethnicity County: Shelby



Life Expectancy, Shelby County, TN 2019-2021

Asians **85.7** years

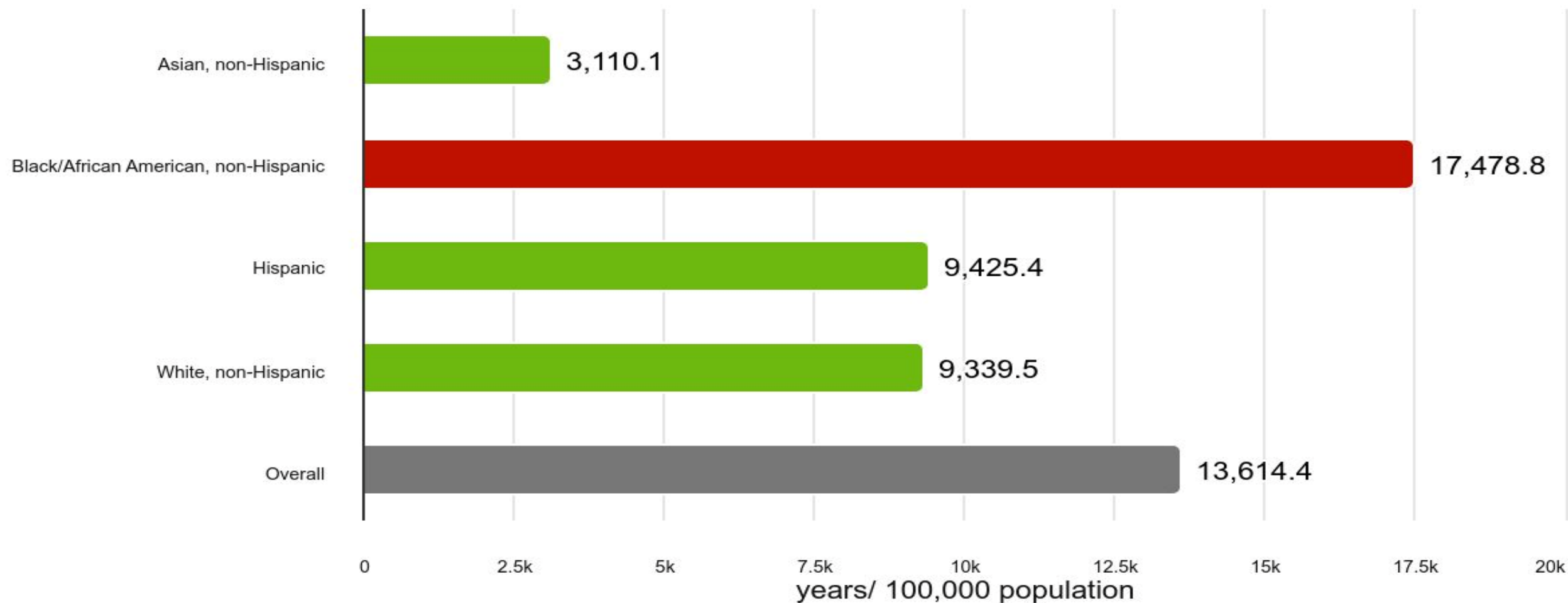
Hispanics **80** years



Whites: **76.2** years

Blacks: **69.3** years

16.4 years gap between Asians and Blacks

Premature Death by Race/Ethnicity County: Shelby



 Significantly better than the overall value
 Significantly worse than the overall value

Premature Deaths by Race/Ethnicity

(Years per 100,000 Population)

Asian **3,110** years

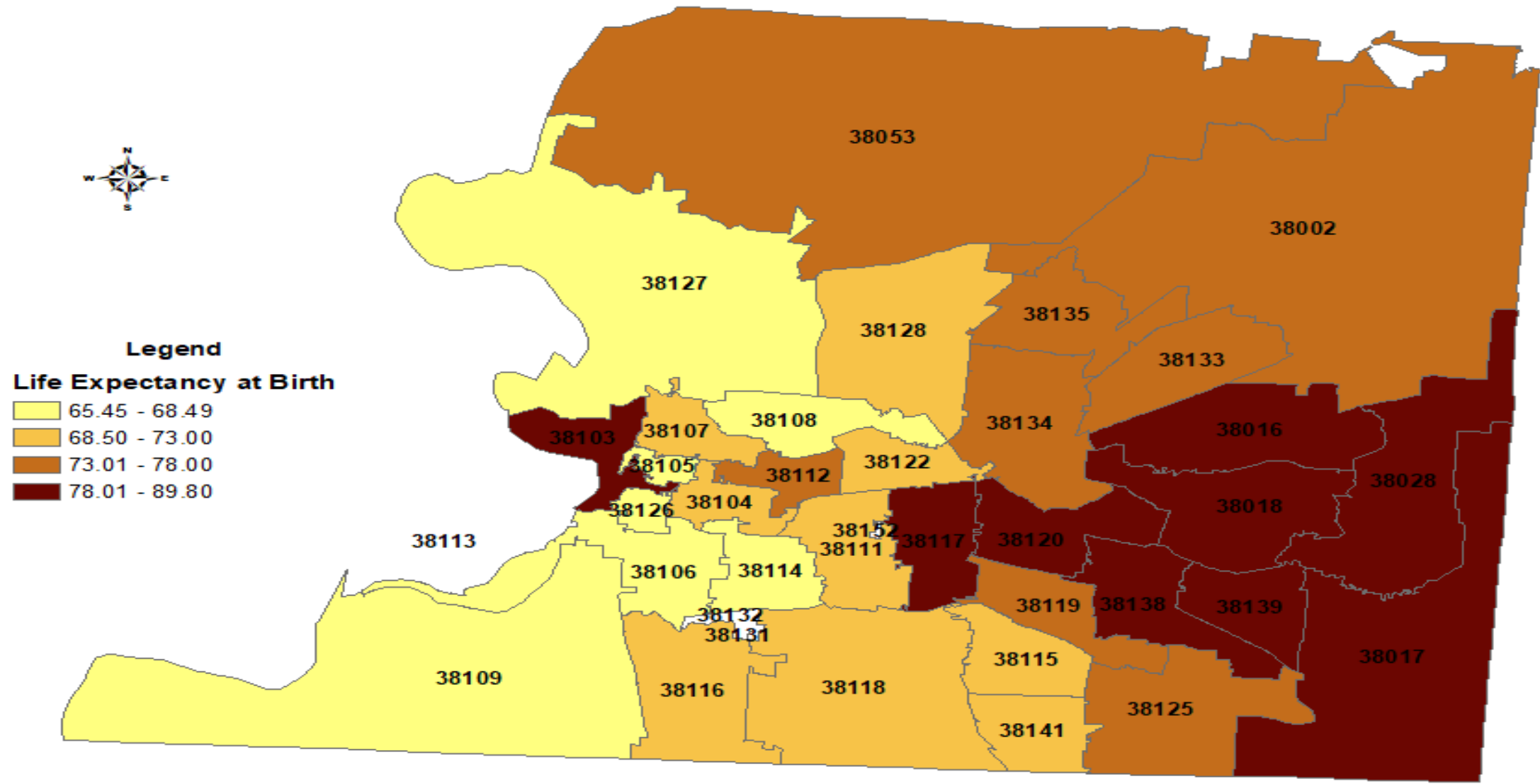
Hispanic **9,425** years

White, non-Hispanic: **9,340** years

Black, non-Hispanic: **17,479** years

Black premature deaths are **5.6 times higher** than Asian

Life Expectancy at Birth in Shelby County TN 2016-2020



Data Source: Tennessee Department of Health, Office of Policy, Planning and Assessment, Division of Health Statistics, Death Certificate Files for Shelby County Residents, 2012–2020; United States Census, ACS 2016–2020 5-year population estimates. Use of these data does not imply TDH agrees or disagrees with any presentations, analyses, interpretations, or conclusions herein. Map Prepared by Shelby County Health Department (SCHD), Office of Epidemiology and Infectious Diseases.

0 12,500 25,000 50,000 Feet

Data Source: Vital Statistics, Death Certificate Data

Life Expectancy Differs by Zip Codes

Zip Codes **38017/38138/38139**

Life expectancy: **78.01-89.80** years

Zip Codes **38106/38126/38108/38127**

Life expectancy: **65.45-68.48** years

Source: <https://www.shelbytnhealth.com/DocumentCenter/View/2020/2019-Shelby-CHNA-Summary>

Zip Codes: **38127/38108/38126/38106**

- Frayser, North Memphis, South Memphis
- Inner City, Low Income, Black
- Lowest life-expectancy of any area in Shelby County
- Life expectancy is **65.45 – 68.49** years

Zip Codes: **38138/38139/38017**

- Germantown and Collierville
- Suburban, High Income, White
- Above the average life expectancy for the state and nation
- Highest Life expectancy in Shelby County
- Life expectancy is **78.01 – 89.80** years

The **difference in Life Expectancy** between Germantown /Collierville and some areas of Memphis is as high as **24 years**:

89.8 years

vs

65.5 years

Source: <https://www.shelbytnhealth.com/DocumentCenter/View/2020/2019-Shelby-CHNA-Summary>

Data Source: Tennessee Department of Health, Office of Policy, Planning and Assessment, Division of Health Statistics, Death Certificate Files for Shelby County Residents, 2012– 2020; United States Census, ACS 2016-2020 5-year population estimates. Use of these data does not imply TDH agrees or disagrees with any presentations, analyses, interpretations, or conclusions herein. Map Prepared by Shelby County Health Department (SCHD), Office of Epidemiology and Infectious Diseases.

Leading Causes of Death

**LEADING CAUSES OF DEATH WITH RATES PER 100,000 POPULATION IN THE SHELBY COUNTY HEALTH REGION,
BY RACE, RESIDENT DATA, 2020**

CAUSE	TOTAL				WHITE				BLACK				
	RANK	NUMBER	RATE	AGE ADJUSTED RATE	RANK	NUMBER	RATE	AGE ADJUSTED RATE	RANK	NUMBER	RATE	AGE ADJUSTED RATE	
DISEASES OF HEART	1	2,108	225.2	210.4	1	878	230.8	163.3	1	1,211	237.7	259.4	
MALIGNANT NEOPLASMS	2	1,648	176.1	160.3	2	708	186.1	134.2	2	901	176.9	189.5	
COVID-19	3	952	101.7	95.4	4	349	91.7	65.4	3	580	113.9	126.1	
ACCIDENTS AND ADVERSE EFFECTS	4	902	96.4	98.7	3	382	100.4	95.3	4	484	95.0	99.9	
CEREBROVASCULAR DISEASE	5	495	52.9	50.0	6	200	52.6	37.0	6	288	56.5	64.8	
ALZHEIMER'S DISEASE	6	349	37.3	37.5	5	238	62.6	43.3	13	109	21.4	29.8	
ASSAULT (HOMICIDE)	7	327	34.9	36.4	17	23	6.0	6.3	5	292	57.3	57.9	
CHRONIC LOWER RESPIRATORY DISEASES	8	322	34.4	31.8	7	190	49.9	34.6	9	131	25.7	28.2	
DIABETES MELLITUS	9	300	32.1	29.5	9	87	22.9	16.7	7	209	41.0	44.4	
PNEUMONIA AND INFLUENZA	10	227	24.3	23.0	8	108	28.4	19.9	10	118	23.2	26.8	
SEPTICEMIA	11	204	21.8	20.2	10	81	21.3	15.4	10	118	23.2	25.5	
HYPERTENSION AND RENAL DISEASE	12	184	19.7	18.7	14	49	12.9	9.1	8	133	26.1	31.2	
TOTALS SUMMARIZE EVENTS WITH RACE OTHER THAN WHITE OR BLACK AND INCLUDE 'NOT STATED' OR 'UNKNOWN'.													
SOURCE: TENNESSEE DEATH STATISTICAL FILE, 2020, TENNESSEE DEPARTMENT OF HEALTH, DIVISION OF VITAL RECORDS AND STATISTICS. RATES CALCULATED BASED ON TOTAL POPULATION COUNTS FROM THE TENNESSEE POPULATION ESTIMATES PROGRAM, 2020, TENNESSEE DEPARTMENT OF HEALTH, DIVISION OF POPULATION HEALTH ASSESSMENT.													44

Leading Causes of Death in Shelby County, 2020

Heart Disease: Black Age Adjusted Death Rate is **1.6 x** higher than whites

Malignant Neoplasm (Cancer): Black Age Adjusted Death Rate is **1.4 x** higher than whites

COVID-19: Black Age Adjusted Death Rate is **1.9 x** higher than whites

Cerebrovascular Disease: Black Age Adjusted Death Rate is **1.8 x** higher than whites

Leading Causes of Death in Shelby County, 2020 - continued

Assault (Homicide): Black Age Adjusted Death Rate is **9.2 x** higher than whites

Diabetes Mellitus: Black Age Adjusted Death Rate is **2.7 x** higher than whites

Hypertension/Renal Disease: Black Age Adjusted Death Rate is **3.4 x** higher than whites

<div> <div>Death Rates</div> <div>Shelby County, TN</div> </div>					
	Age Adjusted Death Rates (Deaths/100,000 Population) 2018-2020				
Sex/Race/Ethnicity	Coronary Heart Disease	Influenza/ Pneumonia	Kidney Disease		
Overall	103.6	19.5	16.1		
Male	148.4	25.5	20.2		
Female	71.8	15.7	13.3		
Asian/Pacific Islander	60.7				
Black/African American	113.3	19.6	24.3		
Hispanic	42.7				
White	93.4	19.0	8.8		
Source: https://www.healthiershelby.com/indicators/index/dashboard					

<div> <div>Cancer Deaths Rates</div> <div>Shelby County, TN</div> </div>					
	Age Adjusted Death Rates (Deaths/100,000 Population) 2016-2020				
Sex/Race/Ethnicity	All Cancer	Breast Cancer (Females)	Colorectal Cancer	Lung Cancer	Prostate Cancer (Males)
Overall	169.9	27.0	16.3	39.6	29.0
Male	206.1			52.3	
Female	145.0			30.5	
Asian/Pacific Islander	103.9			23.7	
Black/African American	195.8	32.1	20.8	44.0	45.5
Hispanic	87.4				
White	149.3	22.1	13.0	36.5	18.6
Source: https://www.healthiershelby.com/indicators/index/dashboard					

Cancer Incidence Shelby County, TN					
	Incidence Rates (Cases/100,000 Population) 2016-2020				
Sex/Race/Ethnicity	All Cancer	Breast Cancer (Females)	Colorectal Cancer	Lung Cancer	Prostate Cancer (Males)
Overall	438.5	125.0	41.0	54.7	143.0
Male	506.5		47.4	68.7	
Female	391.5		36.2	44.7	
Asian/Pacific Islander	250.8	98.5	32.9	31.2	60.3
Black/African American	441.1	122.1	44.8	57.4	174.6
Hispanic	296.3	106.5	24.3	36.2	55.0
White	443.7	129.3	38.2	52.8	122.6
Source: https://www.healthiershelby.com/indicators/index/dashboard					

<div> <div>Death Rates</div> <div>Shelby County, TN</div> </div>					
	Age Adjusted Death Rates (Deaths/100,000 Population) 2018-2020				
Sex/Race/Ethnicity	Due to Injuries	Due to Motor Vehicle Collisions	Suicide	Homicide	Due to Firearms
Overall	116.7	19.5	11.6	28.7	33.6
Male			19.1	52.5	61.5
Female			5.2	6.4	8.1
Asian/Pacific Islander	29.6				
Black/African American	128.3	24.1	7.1	44.0	45.6
Hispanic	79.8	19.3		24.9	26.7
White	114.6	14.0	17.1	8.0	16.9
Source: https://www.healthiershelby.com/indicators/index/dashboard					

SHELBY COUNTY, TENNESSEE 2020

Cities/Municipalities:

Arlington

Bartlett

Collierville

Germantown

Lakeland

Memphis

Millington

Population Statistics

Germantown

Collierville

Memphis

Demographics
Largest Municipalities
Shelby County, TN

	Population Estimate (2023)						
Location	Total Population	White	White (Not Hispanic or Latino)	Black or African American	Hispanic or Latino	Asian	Two or More Races
Shelby County	910,042	40.6%	33.0%	54.1%	8.9%	3.0%	1.8%
Memphis	618,639	26.5%		64.4%	8.0%	1.7%	3.3%
Collierville	51,317	71.2%		9.8%	4.0%	13.8%	3.4%
Germantown	40,267	86.5%		4.8%	2.1%	5.4%	2.6%

Largest Municipalities Shelby County, TN							
	Economic Indicators (2018-2022)						
Location	25+w/High School Diploma	25+ w/ Bachelor's Degree or Higher	Median Household Income	Per Capita Income	People Living Below Poverty level	Home Ownership	Median Housing Unit Value
Shelby County	90%	34%	\$59,621.00	\$ 36,230.00	18%	49%	\$ 206,100.00
Memphis	87%	28%	\$48,090.00	\$ 31,060.00	23.6%	40%	\$ 139,600.00
Collierville	96%	60%	\$129,729.00	\$ 59,856.00	2.7%	77%	\$ 409,000.00
Germantown	99%	70%	\$140,429.00	\$ 71,070.00	2.4%	84%	\$ 402,300.00

Economic Indicators
Largest Municipalities
Shelby County, TN

Economic Indicators (2018-2022)							
Location	Children in Single-Parent Household	Youth not in School or Working	Families Living Below Poverty Level	Young Children Living Below Poverty Level	Children Living Below Poverty Level	People Living Below Poverty Level	People Living 200% Above Poverty Level
Memphis	53.7%	4.1%	18.5%	40.5%	37.0%	23.6%	52.7%
Collierville	8.8%	0.0%	2.1%	0.6%	1.9%	2.7%	91.0%
Germantown	8.8%	0.0%	1.4%	1.6%	1.2%	2.4%	90.6%

Largest Municipalities

Shelby County, TN

	Economic Indicators (2018-2022)						
Location	Adults Who Binge Drink	Adults Ever Diagnosed With Depression	Persons with a Disability	Adults without Health Insurance	Unemployed Workers in Civilian Labor Force	Households Without A Vehicle	
Memphis	15.3%	25.4%	13.7%	16.3%	5.5%	10.7%	
Collierville	18.3%	24.4%	9.5%	7.3%	3.0%	2.0%	

Environmental Health Indicators

Largest Municipalities

Shelby County, TN

[illegible]

Health Indicators
Largest Municipalities
Shelby County, TN

	Health Indicators (2018-2022)						
Location	High Blood Pressure Prevalence	High Cholesterol Prevalence	Adults Who are Sedentary	Adults Who Smoke	Adults Who are Obese	Female Adults 65+ who received Recommended Preventive Services	Male Adults 65+ who received Recommended Preventive Services
Memphis	42.6%	32.8%	33.8%	21.4%	44.9%	32.2%	31.3%
Collierville	33.2%	34.3%	20.8%	12.2%	31.9%	44.0%	43.2%

Largest Municipalities Shelby County, TN

[illegible]

Health Indicators By Zip Code

Shelby County, TN

	Health Indicators (2018-2022)						
Location (Zip Code)	High Blood Pressure Prevalence	High Cholesterol Prevalence	Adults Who are Sedentary	Adults Who Smoke	Adults Who are Obese	Female Adults 65+ who received Recommended Preventive Services	Male Adults 65+ who received Recommended Preventive Services
38106	56.8%	37.4%	47.2%	29.9%	53.8%	25.4%	22.6%
38126	52.5%	33.7%	47.9%	32.4%	55.7%	21.3%	19.2%
38108	48.9%	35.6%	45.2%	28.5%	51.1%	24.1%	22.5%
38127	49.8%	34.1%	43.3%	29.6%	52.3%	27.7%	25.5%
8138	36.2%	37.1%	19.2%	10.1%	30.6%	44.5%	44.7%
38139	33.5%	36.6%	16.5%	8.8%	29.7%	47.2%	45.4%
38017	33.5%	34.5%	21.1%	12.5%	32.3%	43.7%	43.6%

Health/Economic Indicators

Shelby County, TN

	Health/Economic (2018-2022)						
Location (Zip Code)	Adults Who Binge Drink	Adults Ever Diagnosed With Depression	Persons with a Disability	Adults without Health Insurance	Unemployed Workers in Civilian Labor Force	Households Without A Vehicle	
38106	10.7%	23.5%	16.6%	19.8%		21.1%	
38126	11.3%	26.7%	18.8%	21.8%		36.5%	
38108	13.2%	26.6%	22.9%	27.5%		19.7%	
38127	12.4%	26.6%	19.0%	19.5%		13.4%	
38138	17.2%	24.2%	9.0%	6.7%		6.3%	
38139	18.2%	24.0%	7.0%	5.4%		1.4%	
38017	18.1%	24.7%	10.0%	7.5%		1.7%	

Economic Indicators by
Zip Code Shelby County, TN

Location (Zip Code)	Economic Indicators (2018-2022)					Home Ownership	
	25+w/High School Diploma	25+ w/ Bachelor's Degree or Higher	Median Household Income	Per Capita Income	People Living Below Poverty level		
38106	82%	13%	\$29,098.00	\$ 18,711.00	40%	30%	\$ 62,800.00
38126	81%	9%	\$19,844.00	\$ 14,515.00	52%	10%	\$ 63,500.00
38108	74%	9%	\$29,757.00	\$ 17,712.00	36%	35%	\$ 58,800.00
38127	82%	11%	\$34,781.00	\$ 17,897.00	37%	36%	\$ 76,600.00
38138	98%	67%	\$122,627.00	\$ 64,335.00	4%	77%	\$ 366,300.00
38139	99%	72%	\$174,396.00	\$ 84,587.00	1%	95%	\$ 495,000.00
38017	95%	60%	\$131,654.00	\$ 60,395.00	3%	76%	\$ 416,700 .00

Economic Indicators by Zip Code

Shelby County, TN

	Economic Indicators (2018-2022)						
	Children in Single-Parent Household	Youth not in School or Working	Families Living Below Poverty Level	Young Children Living Below Poverty Level	Children Living Below Poverty Level	People Living Below Poverty Level	People Living 200% Above Poverty Level
38106	74.5%	13.5%	30.1%	71.4%	61.6%	40.1%	31.1%
38126	93.6%	0.0%	45.5%	72.4%	72.1%	52.4%	26.0%
38108	44.8%	3.1%	29.0%	55.7%	51.4%	35.7%	31.9%
38127	76.4%	6.7%	30.3%	66.9%	55.2%	37.4%	36.5%
38138	13.1%	0.0%	2.1%	2.7%	1.7%	3.6%	88.0%
38139	2.8%	0.0%	0.2%	0.0%	0.6%	0.8%	94.5%
38017	9.8%	0.1%	2.1%	0.6%	1.9%	2.7%	90.9%

Environmental Health Indicators By Zip Code

Shelby County, TN

	Environmental Health Indicators (2022)						
Location (Zip Code)	Houses Built Prior to 1950	Recognized Carcinogens Released into Air					
38106	36.0%	953 Pounds					
38126	18.3%	1,045 Pounds					
38108	30.8%	24,244 Pounds					
38127	6.6%	31,987 Pounds					
38138	0.8%						
38139	0.9%						
38017	2.0%	16,068 Pounds					

Economic Hardship Index Number (EHI)

Key Social Determinants Critical to One's Health:

- **Unemployment:** The percent of the population over the age of 16 who were unemployed
- **Education:** The percentage of the population over the age of 25 who have less than a high school education
- **Dependency:** The percentage of the population that are under the age of 18 or over the age of 64

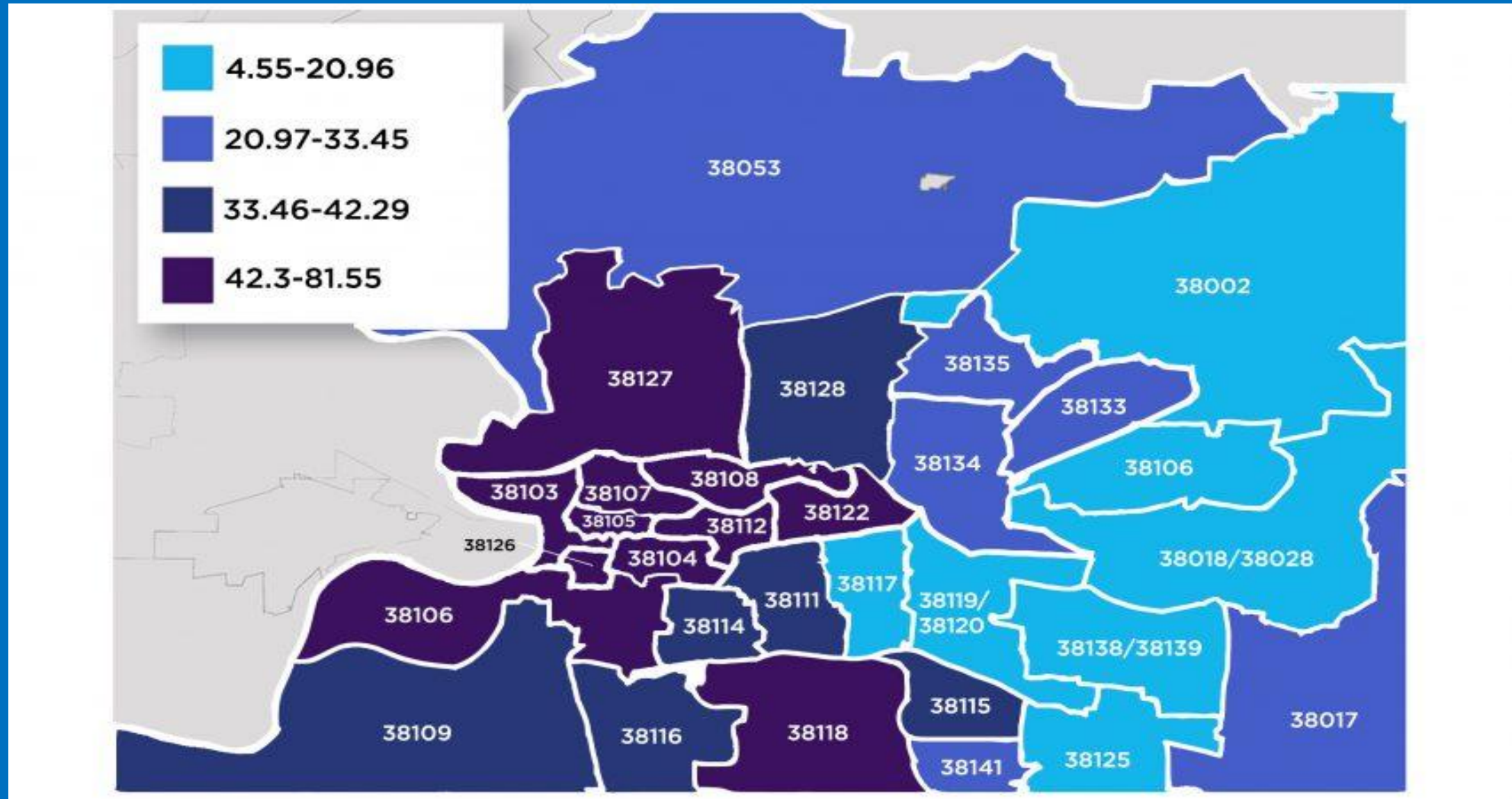
Key Social Determinants Critical to One's Health-continued

- **Income Level:** The per capita income
- **Poverty:** The percent of people living below the federal poverty level
- **Crowded Housing:** The percent of occupied housing units with more than one person per room

Life Expectancy (LE) and Economic Hardship Index (EHI) by Zip code (2015)

Zip code	EHI	Life Expectancy
38138 +38139	15.53 – 24.69	79.22 – 82.59
38017	15.53 – 24.69	79.22 – 82.59
38106+38126	63.05 – 97.84	69.01 – 71.58
38107+38108	63.05 – 97.84	69.01 – 71.58

Economic Hardship Index, Shelby County, 2011-2015



Source: State of the State Health Brief for Memphis and Shelby County, *Better Tennessee*, May 21, 2018, Blue Cross/Blue Shield of Tennessee, Ashley Brantley editor.



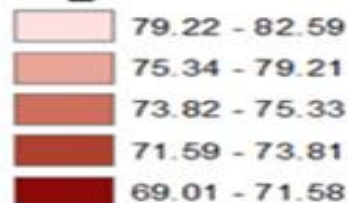
Public Health
Prevent. Promote. Protect.

Shelby County Health Department

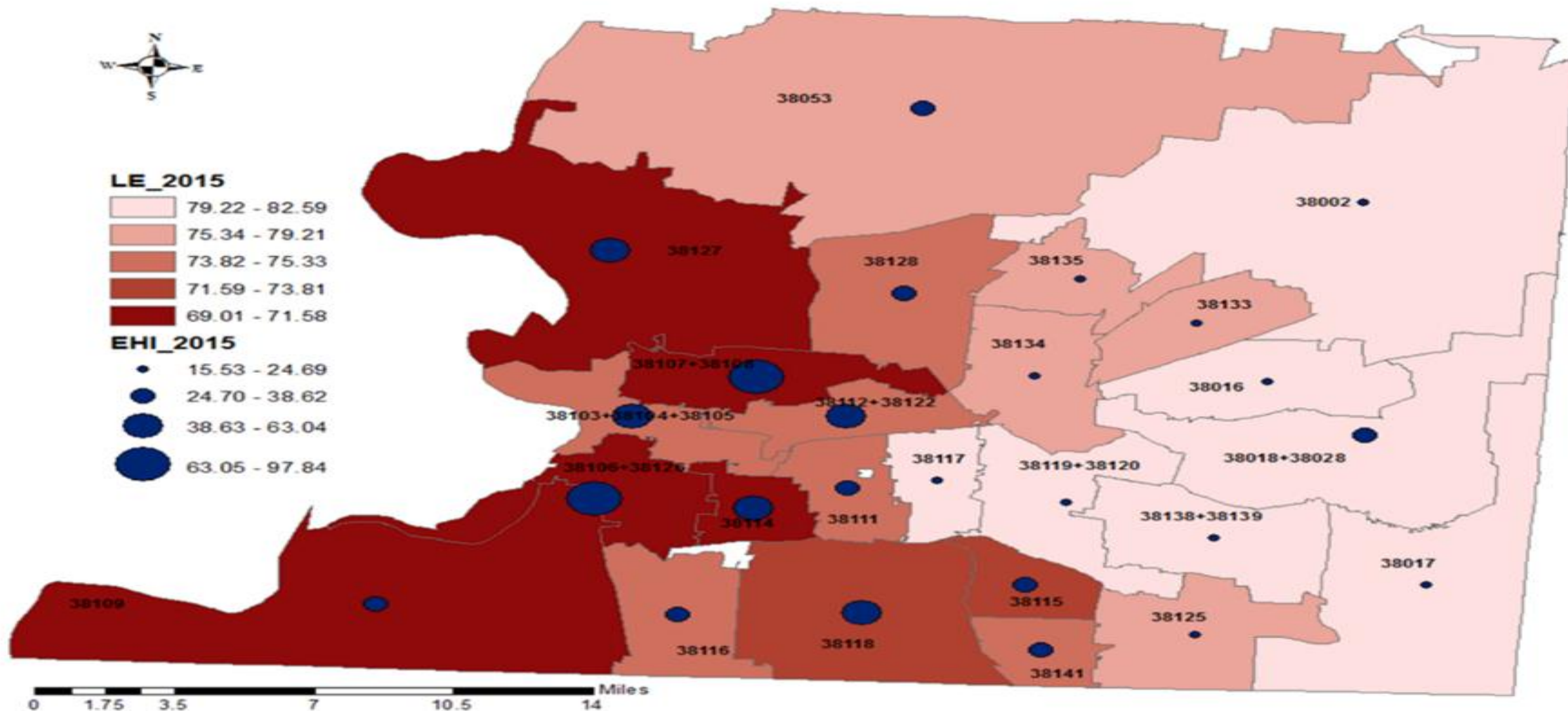
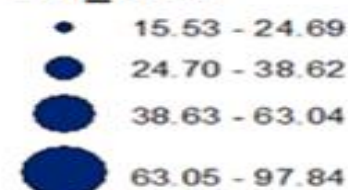
CORRELATION BETWEEN EHI AND LE IN SHELBY COUNTY TN ZIP CODES 2015



LE_2015



EHI_2015



0 1.75 3.5 7 10.5 14 Miles

Map by Office of Epidemiology and Infectious Diseases- Ogari

Data source- Vital statistics Death Data TDH and American Community Survey 5-year Estimates

2024 Health Equity Index

(Formerly SocioNeeds Index)

Created by Conduent Healthy Communities Institute, is a **measure of socioeconomic need** that is correlated with poor health outcomes.

All zip codes, counties, and county equivalents in the United States are given an index value from **0 (low need) to 100 (high need)**.

2024 Health Equity Index Value

Zip Code	Index Value
38138	5.2
38139	1.2
38017	4.2
38106	98.4
38126	99.2
38108	97.5
38127	90.5

Socioeconomic Need

The Socioeconomic Need in Zip Codes 38106/38126/38127/38108 is more than **90 X greater** than that of Zip Code 38319

Shelby County Poorest Communities Income Summary

Zip Code	Neighborhood	Income Level	Percent of Children below federal poverty line	Rate of childhood Poverty
38126	LeMoyne-Owen College/Mississippi Blvd	Lower than 99.8% of U.S. Neighborhoods	74.6%	Higher than 99.2% of U.S. Neighborhoods
38106	E McLemore Ave/ Mississippi Blvd	Lower than 97.2% of U.S. Neighborhoods	72.9%	Higher than 99.0% of U.S. Neighborhoods
38108	Hollywood	Lower than 99.4% of U.S. Neighborhoods	90.7%	Higher than 99.9% of U.S. Neighborhoods
38107	N Bellevue Blvd/Smith Ave	Lower than 96.0% of U.S. Neighborhoods	78.6%	Higher than 99.4% of U.S. Neighborhoods

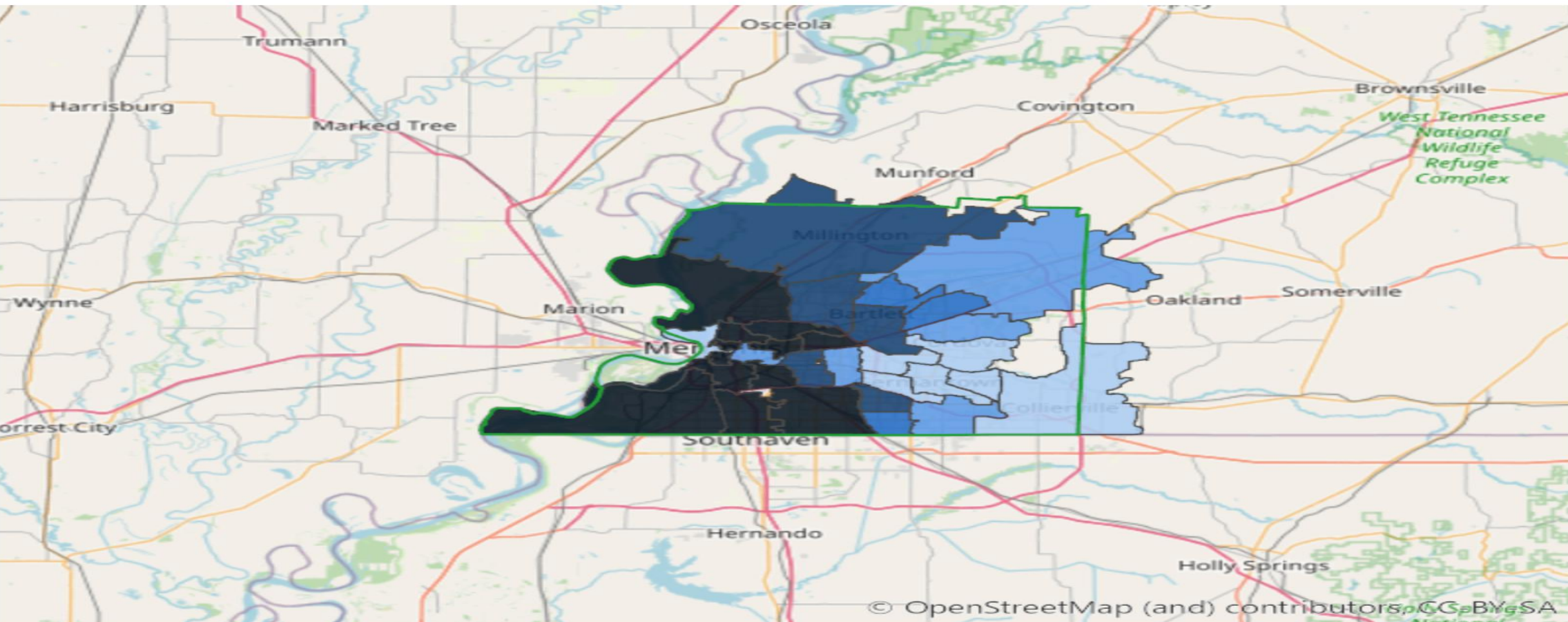
Source: (Savides, Steven (June 18, 2003). "How the Web-savvy retiree picks a new hometown". *The Christian Science Monitor*. *The Christian Science Monitor*. Retrieved 29 September 2015)

Source: Center for Urban and Community Research at Lemoyne-Owen College, Research on Health Disparities in Minority Communities in Shelby County, TN,

2024 Health Equity Index

Zip Code: Shelby

Measurement Period: 2024
Data Source: Conduent Healthy Communities Institute



MAP LEGEND

greater need →



Index values are not comparable across measurement periods. Index values and rankings are specific to a measurement period, showing the relative ranking of a location in comparison to other similar locations at that time.

Homicide/Violence

<div> <div>Death Rates</div> <div>Shelby County, TN</div> </div>					
	Age Adjusted Death Rates (Deaths/100,000 Population) 2018-2020				
Sex/Race/Ethnicity	Due to Injuries	Due to Motor Vehicle Collisions	Suicide	Homicide	Due to Firearms
Overall	116.7	19.5	11.6	28.7	33.6
Male			19.1	52.5	61.5
Female			5.2	6.4	8.1
Asian/Pacific Islander	29.6				
Black/African American	128.3	24.1	7.1	44.0	45.6
Hispanic	79.8	19.3		24.9	26.7
White	114.6	14.0	17.1	8.0	16.9
Source: https://www.healthiershelby.com/indicators/index/dashboard					

Homicide Deaths in Shelby County, TN 2020

Total homicide deaths: **327**

Black homicide deaths: **292** (89%)

White homicide deaths: **23** (7.0%)

Black Age Adjusted Rate: **57.9/100,000**

White Age Adjusted Rate: **6.3/100,000**

Homicide Rate for Blacks is **9 times** that of Whites

Homicide Deaths in Shelby County, TN 2020

5th Leading cause of death among Blacks

VS

17th Leading cause of death among Whites

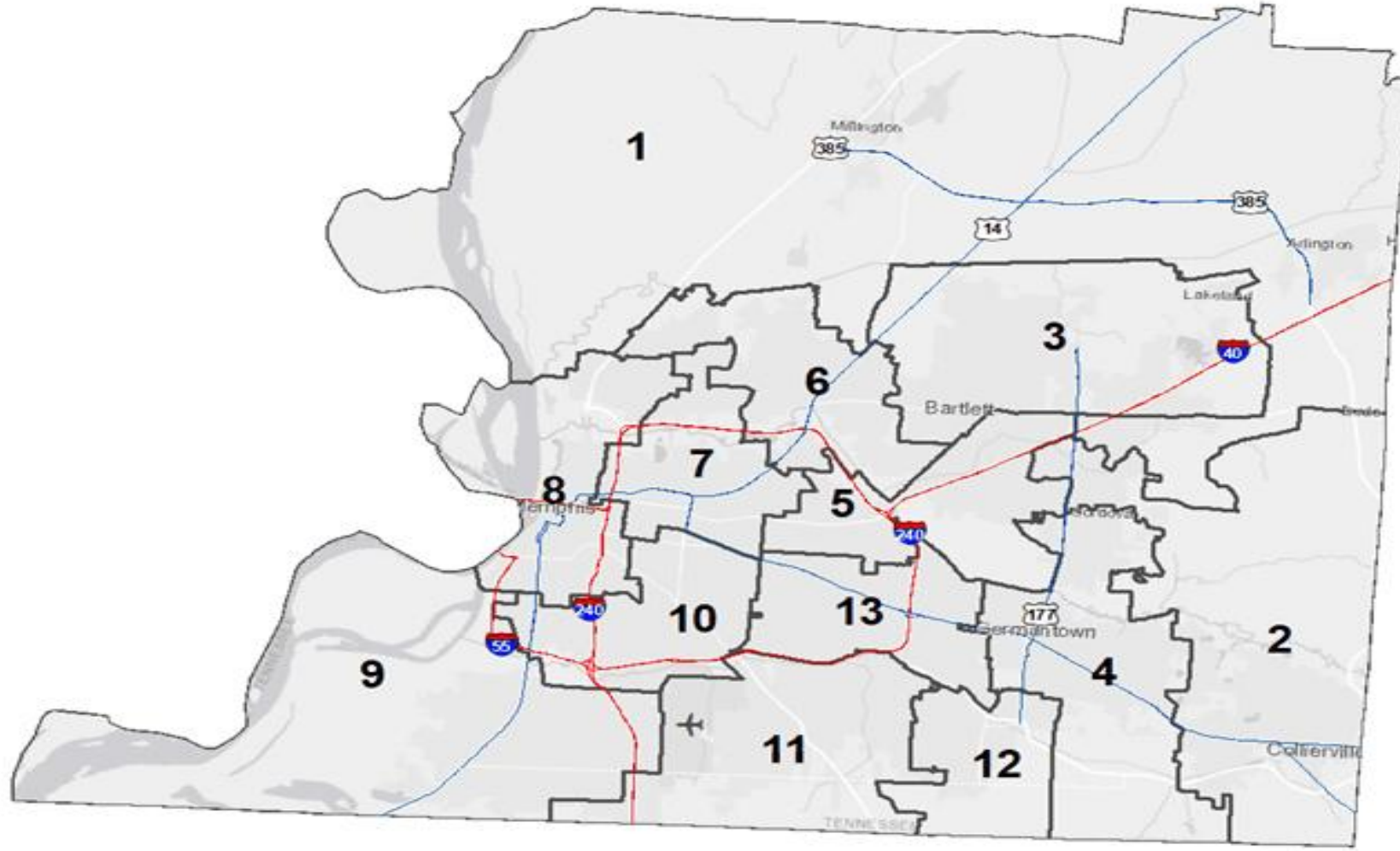
Homicide Deaths By County Commission Districts 2017

County Commission **Districts 2** had the **lowest** homicide rate
5.2/100,000

County Commission **District 10** had the **highest** homicide rate
127.5/100,000

Only **one** County Commission District (District 2) has a homicide rate
which is **less than** the rates for the State and Nation

Shelby County Commission Districts



Shelby County Commission District 2

Encompasses: **Collierville and portions of unincorporated areas** of Shelby County surrounding Collierville.

Had the **lowest** Homicide Rate (5.2/100,000)

Shelby County Commission District 10

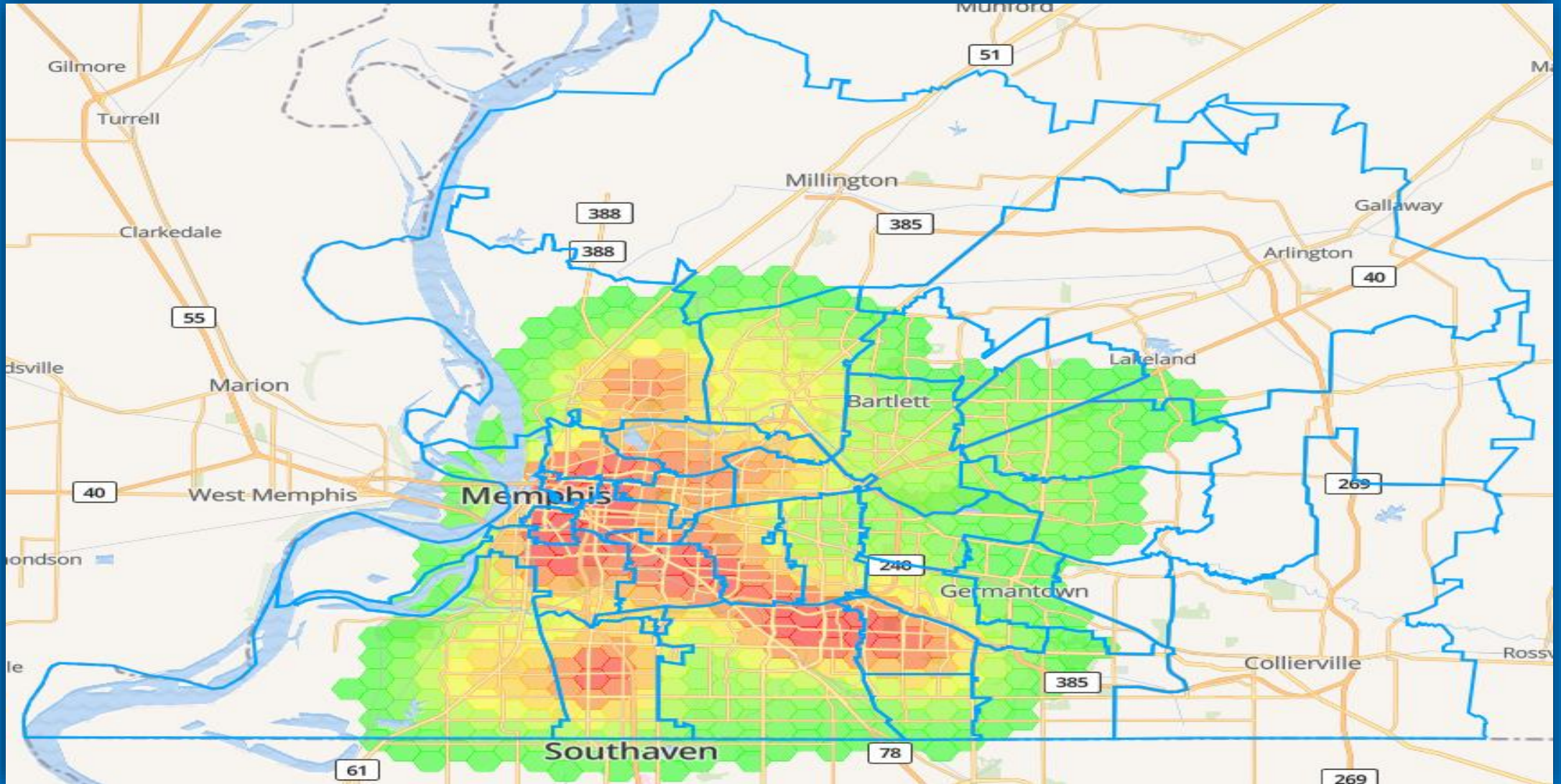
Encompasses: **South Memphis**, Central Gardens, Chickasaw Gardens, Cooper-Young, Midtown, **Orange Mound**, and Overton Square.

Had the **highest** Homicide Rate (127.5/100,000)

Homicide Rate in County Commission **District 10** (127.5/100,000)

- **25** times higher than that of **District 2** (5.2/100,000)
- **6** times higher than **Shelby County** (20.8/100,000)
- **15** times higher than the **State of Tennessee** (8.3/100,000)
- **20** times higher than the **United States** (6/100,000)

Where is the most violent crime happening in Memphis?



(Violent Crime includes Murder, Aggravated Assault, Aggravate Assault/DV, Carjacking)

Source: Memphis Public Safety data, 2021; ACS 5-Year population estimates, 2021 Rate based on Memphis Public Safety Map Pins, which are based on initial crime reports for MPD only

Top 5 Zip Codes For Violent Crime By Count (2021)

1. 38118

2. 38116

3. 38127

4. 38109

5. 38115



(Violent Crime includes Murder, Aggravated Assault, Aggravated Assault/DV, Carjacking)

Source: Memphis Public Safety data, 2021; ACS 5-Year population estimates, 2021* Rate based on Memphis Public Safety Map Pins, which are based on initial crime reports for MPD only

Top 5 Zip Codes For Violent Crime By Rate* (2021)

1. 38126

2. 38114

3. 38105

4. 38106

5. 38107



(Violent Crime includes Murder, Aggravated Assault, Aggravated Assault/DV, Carjacking)

Source: Memphis Public Safety data, 2021; ACS 5-Year population estimates, 2021* Rate based on Memphis Public Safety Map Pins, which are based on initial crime reports for MPD only

Violence & Shelby County, 2021

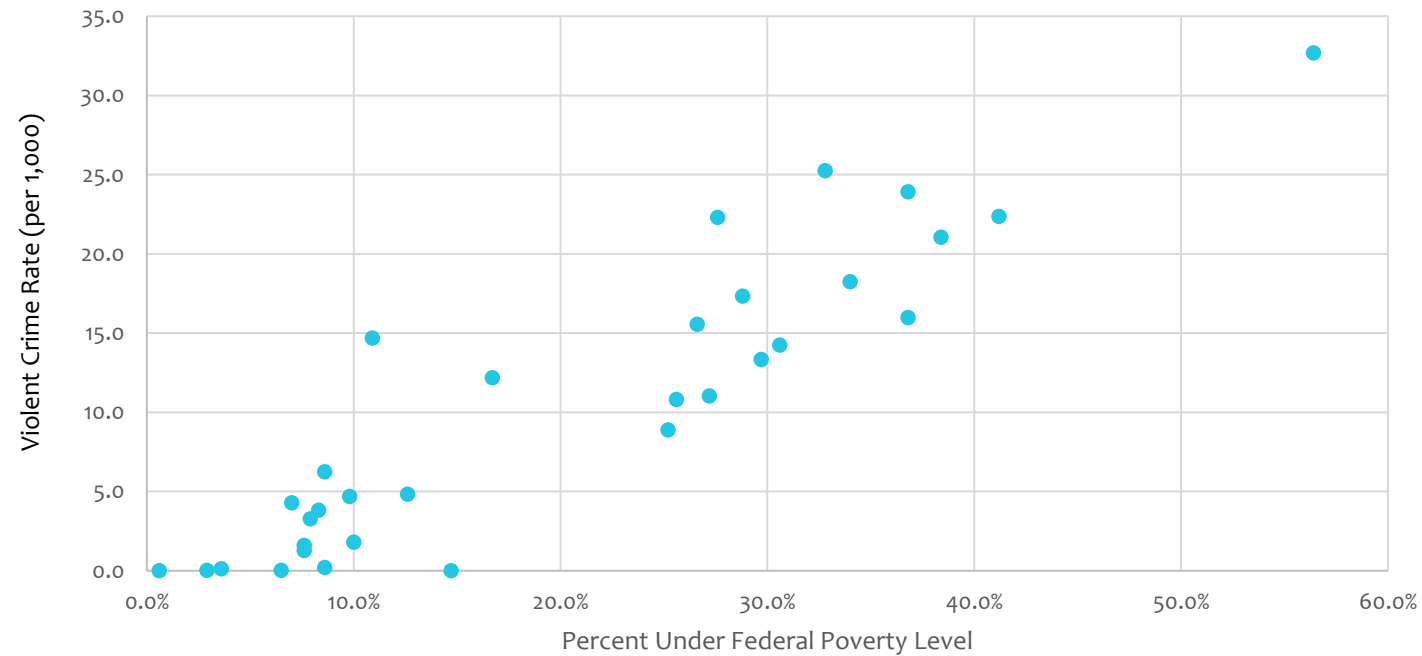
Rates (per 100,000)	Tennessee	Shelby County	County Ranking
Overall Crime Rate	7,259	12,396	1 st
Violent Crime <small>(includes Murder, Forcible Rape, Forcible Sodomy, Sexual Assault w/Object, Forcible Fondling, & Aggravated Assault)</small>	645	1,637	1 st
Murder	10	34	1 st
Sex Offenses, Non-Consensual <small>(includes Forcible Rape, Forcible Sodomy, Sexual Assault w/Object, Forcible Fondling)</small>	84	88	21 st
Aggravated Assault	552	1,515	1 st
Domestic Violence Victimization Rate	961	1,863	1 st

Source: TN Incident Based Reporting System (TIBRS), 2021. Prepared by the Shelby County Health Department Office of Epidemiology.

Who is most at-risk economically to be a victim of violent crime in Memphis?

As the poverty level increases, the crime rate increases

Correlation of Shelby County's Violent Crime Rate and Percent Under Poverty Level by Zip code, 2021



(Violent Crime Rate includes Murder, Aggravated Assault, Aggravated Assault/DV, Carjacking)

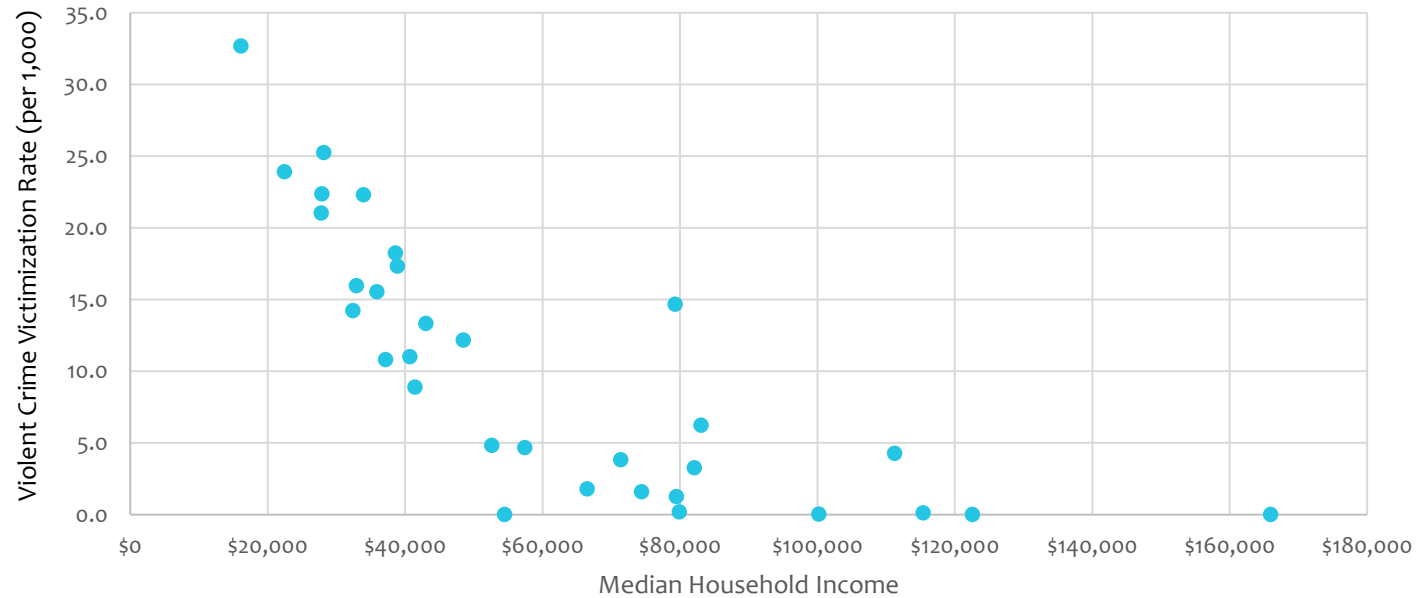
Source(s): Memphis Public Safety Map, 2022; ACS 5- year Census data

Prepared by the Shelby County Health Department Office of Epidemiology.

Who is most at-risk economically to be a victim of violent crime in Memphis?

As the median household incomes increases, the crime rate decreases

Correlation of Shelby County's Violent Crime Rate and Median Household Income by Zip Code, 2021

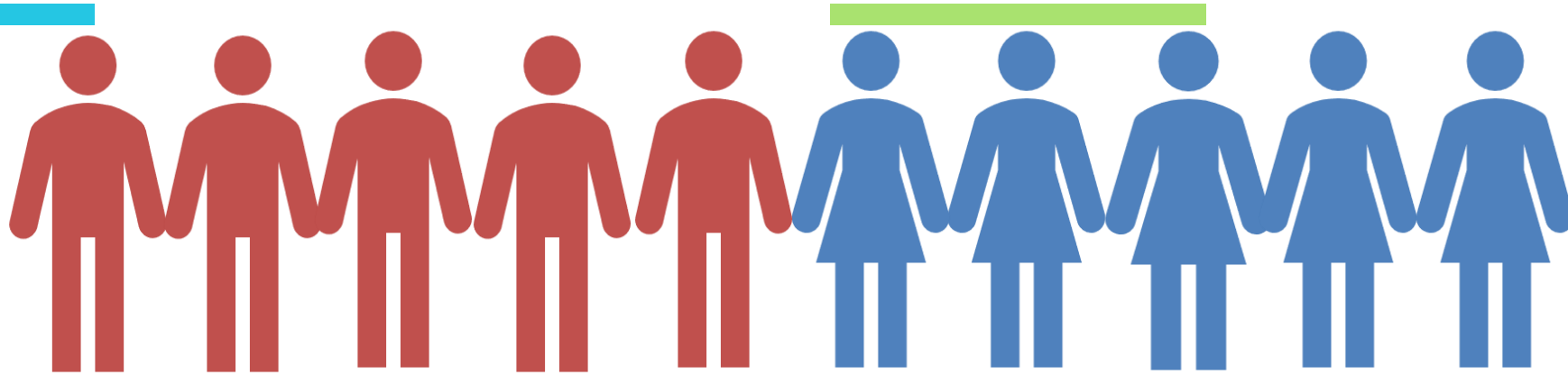


(Violent Crime includes Murder, Aggravated Assault, Aggravated Assault/DV, Carjacking)

Source(s): Memphis Public Safety Map, 2021; ACS 5-year population estimates

Prepared by the Shelby County Health Department Office of Epidemiology

Who is most at-risk of violent crime (by Sex)?



**Males and Females Each Make Up About 50%
of Violent Crime Victims in Shelby County**

(Violent Crime includes Murder, Forcible Rape, Forcible Sodomy, Sexual Assault w/Object, Forcible Fondling, & Aggravated Assault)

Source(s): TN Incident Based Reporting System (TIBRS), 2021. Prepared by the Shelby County Health Department Office of Epidemiology

Violent Crime Victim Rate 2021:

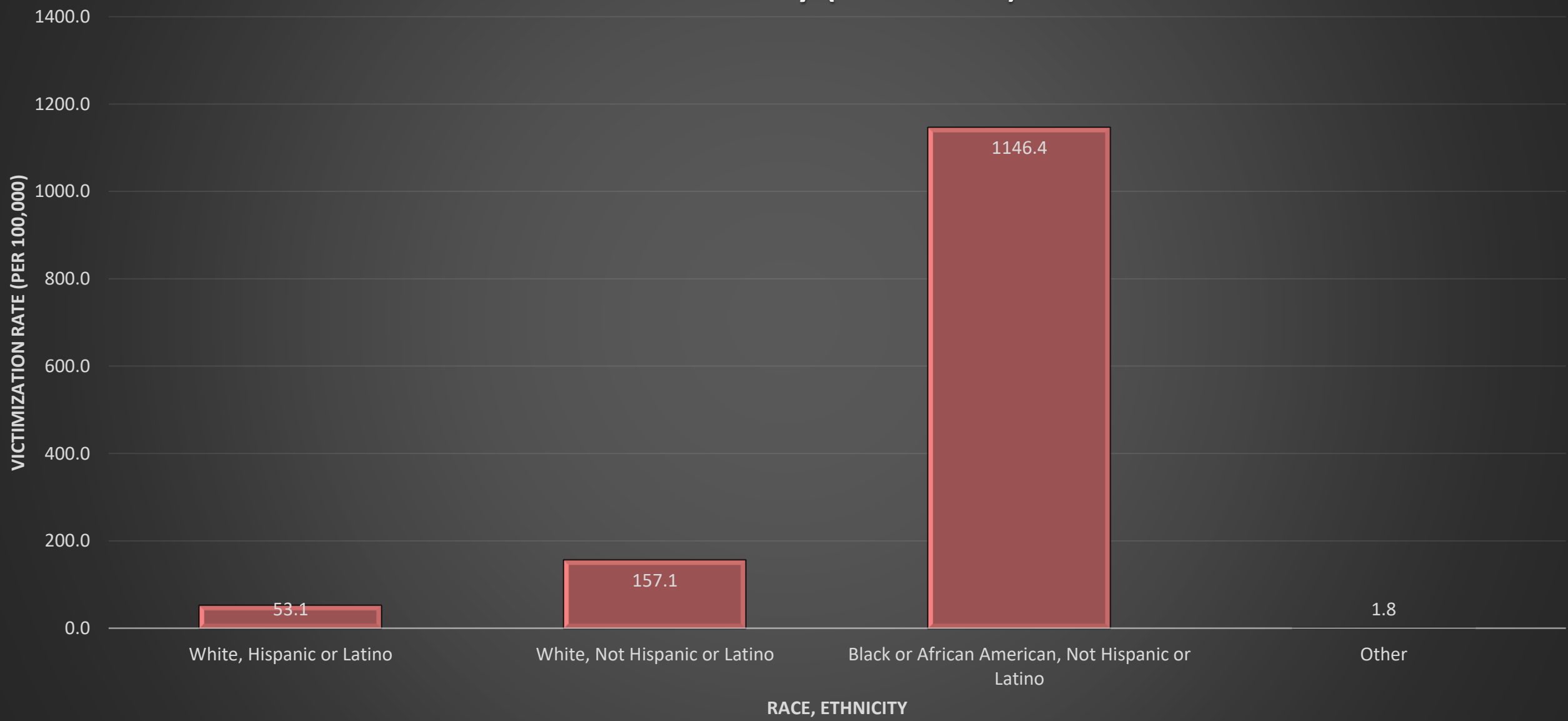
Female: **821 per 100,000**

Male: **814 per 100,000**

(Violent Crime includes Murder, Forcible Rape, Forcible Sodomy, Sexual Assault w/Object, Forcible Fondling, & Aggravated Assault)

Source(s): TN Incident Based Reporting System (TIBRS), 2021. *Prepared by the Shelby County Health Department Office of Epidemiology*

Shelby County, TN 5-Year Violent Crime Victimization Rate by Race & Ethnicity (2017-2021)



(Violent Crime includes Murder, Forcible Rape, Forcible Sodomy, Sexual Assault w/Object, Forcible Fondling, & Aggravated Assault)
Source(s): TN Incident Based Reporting System (TIBRS), 2017-2021. Prepared by the Shelby County Health Department Office of Epidemiology

Violent Crime Victimization Rates (per 100,000) 2017-2021

Black, Not Hispanic or Latino **1146.4**

White, Not Hispanic or Latino **157.1**

Black Victimization Rate is **7.3 X** that of White, Not Hispanic or Latino

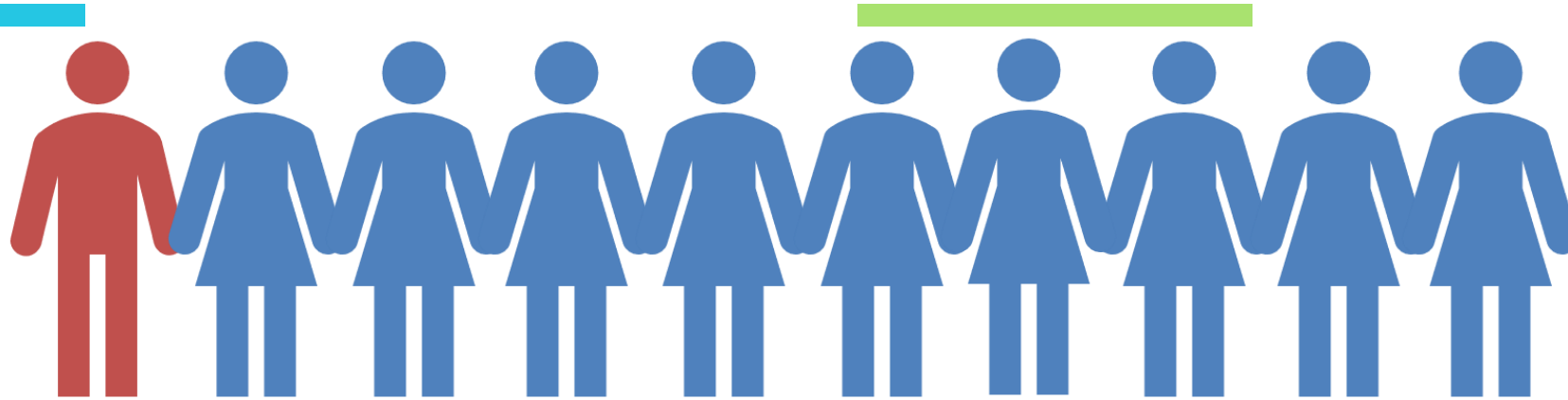
Violent Crime Victimization Rates (per 100,000) 2017-2021

Black, Not Hispanic or Latino **1146.4**

White, Hispanic or Latino **53.1**

Black Victimization Rate is **21.6 X** that of White, Hispanic or Latino

Who is most at-risk of sexual offenses (by Sex)?



9 out of 10 sex offense victims are female in Shelby County

(Sex offense includes Forcible Rape, Forcible Sodomy, Sexual Assault w/Object, Forcible Fondling)

Source(s): TN Incident Based Reporting System (TIBRS), 2021. *Prepared by the Shelby County Health Department Office of Epidemiology.*

Sex Offense Victim Rate 2021:

Female: **80 per 100,000**

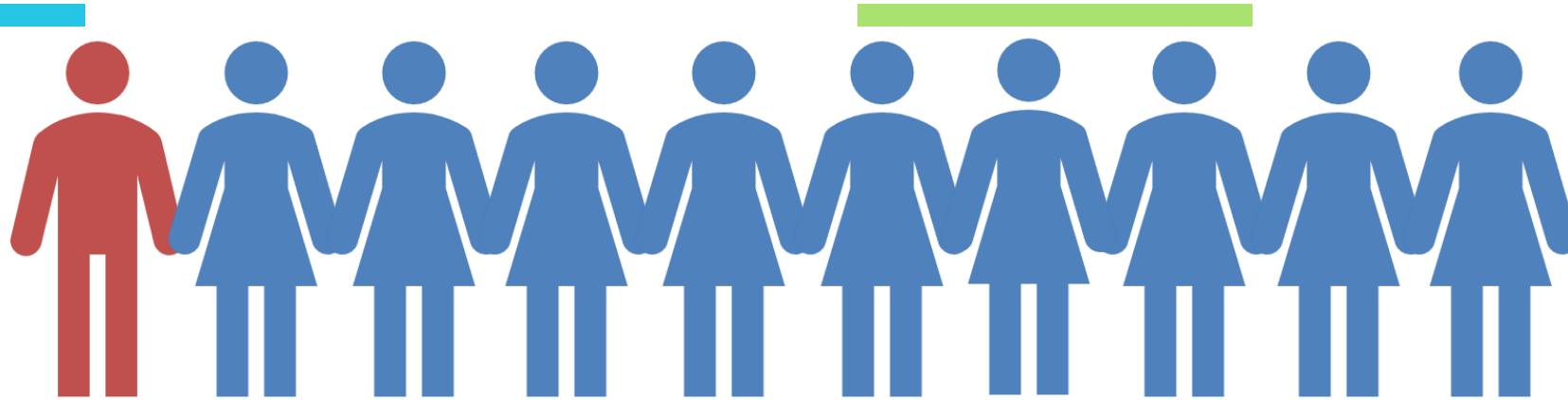
Male: **6 per 100,000**

Victim Rate for Females is **13 X higher** than that of Males

(Sex offense includes Forcible Rape, Forcible Sodomy, Sexual Assault w/Object, Forcible Fondling)

Source(s): TN Incident Based Reporting System (TIBRS), 2021. Prepared by the Shelby County Health Department Office of Epidemiology.

Who is most at-risk of sexual offenses (by Sex)?



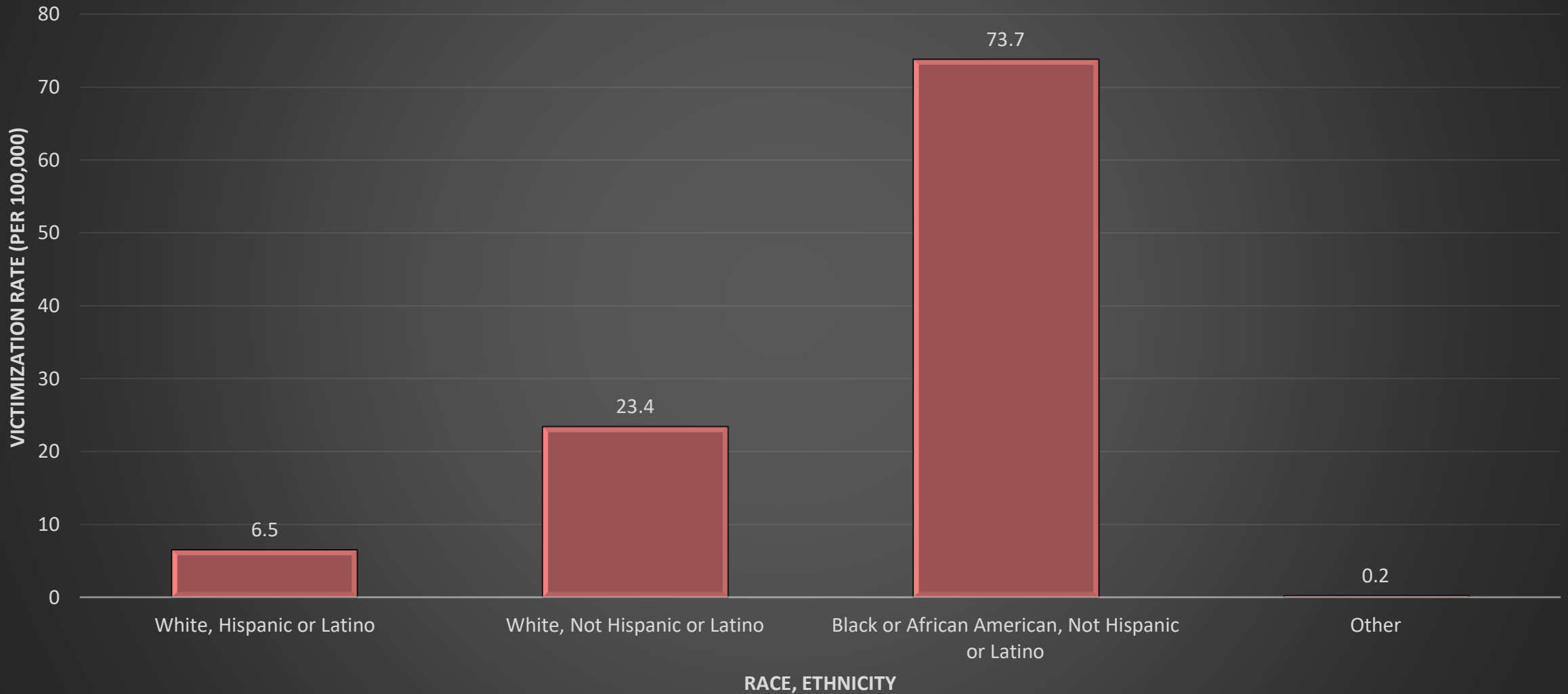
9 out of 10 sex offense victims are female in Shelby County

Sex Offense rate 2021:
Female: 80 per 100,000
Male: 6 per 100,000

(Sex offense includes Forcible Rape, Forcible Sodomy, Sexual Assault w/Object, Forcible Fondling)

Source(s): TN Incident Based Reporting System (TIBRS), 2021. *Prepared by the Shelby County Health Department Office of Epidemiology.*

Shelby County, TN 5-Year Sex Offense Victimization Rate by Race & Ethnicity (2017-2021)



(Sex offense includes Forcible Rape, Forcible Sodomy, Sexual Assault w/Object, Forcible Fondling)

Source(s): TN Incident Based Reporting System (TIBRS), 2017-2021. Prepared by the Shelby County Health Department Office of Epidemiology.

Sexual Offense Victimization Rates (per 100,000) 2017-2021

Black, Not Hispanic or Latino **73.7**

White, Not Hispanic or Latino **23.4**

Black Victimization Rate is **3.2 X** that of White, Not Hispanic or Latino

Sexual Offense Victimization Rates (per 100,000) 2017-2021

Black, Not Hispanic or Latino **73.7**

White, Hispanic or Latino **6.5**

Black Victimization Rate is **11.3 X** that of White, Hispanic or Latino

Domestic Violence Incidents Shelby County, TN					
	Domestic Violence Incidents Per 1,000 Population (2022)				
Sex/Race/Ethnicity	Domestic Violence Incidents				
Overall	17.6				
Male	4.2				
Female	13.4				
Asian/Pacific Islander	0.1				
Black/African American	15.0				
Hispanic	0.8				
White	2.5				
Source: https://www.healthiershelby.com/indicators/index/dashboard					

<div> <div>Death Rates</div> <div>Shelby County, TN</div> </div>					
	Age Adjusted Death Rates (Deaths/100,000 Population) 2018-2020				
Sex/Race/Ethnicity	Due to Injuries	Due to Motor Vehicle Collisions	Suicide	Homicide	Due to Firearms
Overall	116.7	19.5	11.6	28.7	33.6
Male			19.1	52.5	61.5
Female			5.2	6.4	8.1
Asian/Pacific Islander	29.6				
Black/African American	128.3	24.1	7.1	44.0	45.6
Hispanic	79.8	19.3		24.9	26.7
White	114.6	14.0	17.1	8.0	16.9
Source: https://www.healthiershelby.com/indicators/index/dashboard					

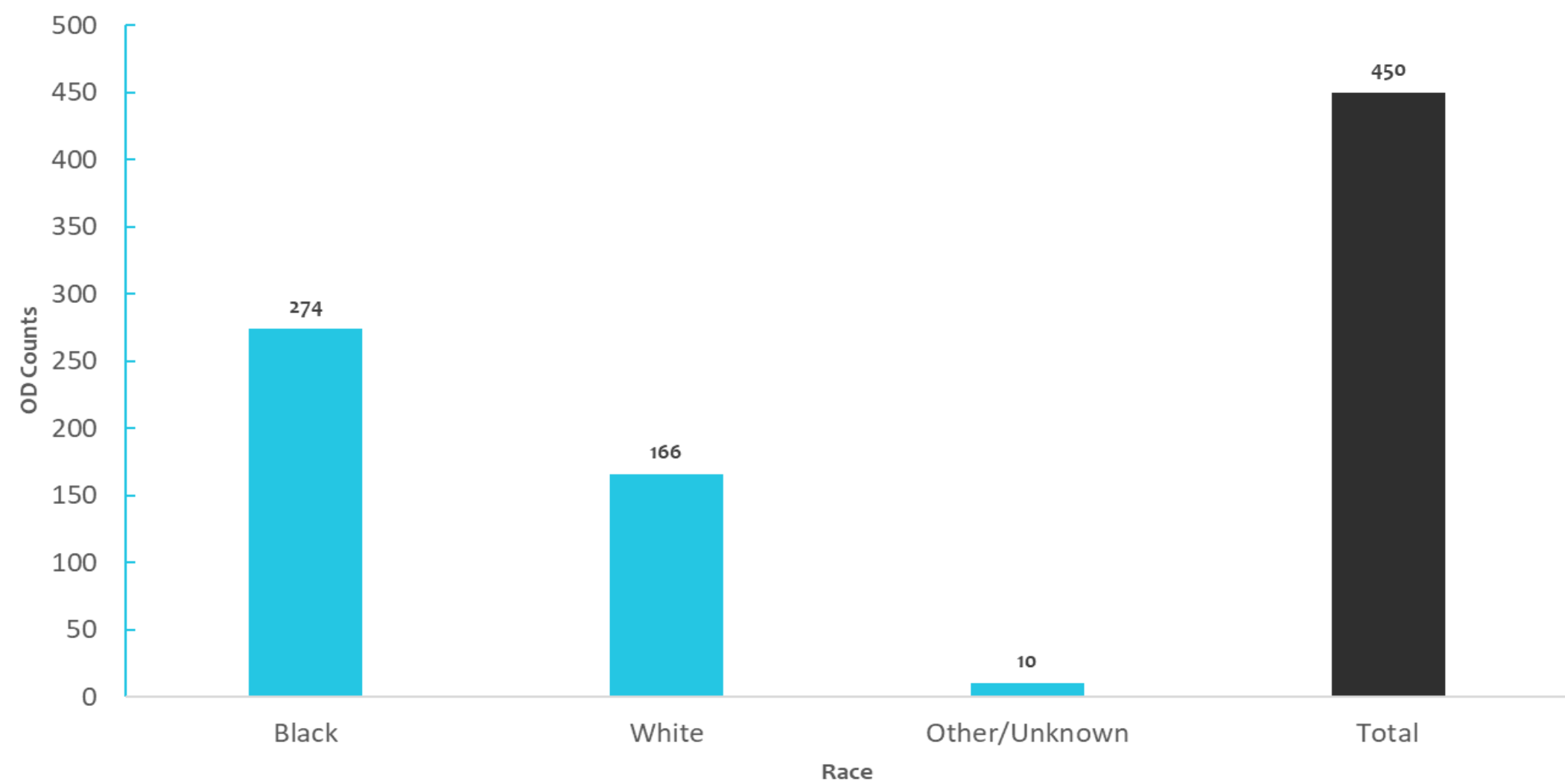
Opioid Misuse

Distribution of Suspected Drug Overdose Related Deaths by Race Shelby County, TN (2017-2022)

	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>								
Total	164	213	342	416	488	450								
White	68%	66%	52%	51%	49%	37%								
Black	31%	33%	43%	48%	50%	61%								

Data Source: PROVISIONAL ANNUAL OPIOID REPORTS January –December, 2018-2020, Shelby County Health Department, Bureau of Epidemiology and Infectious Diseases;
WTRFC Preliminary Suspected Overdose Deaths – Shelby County, TN 2017 – 2022
TN Department of Health, 2021 Tennessee Drug Overdose Deaths

Shelby County Preliminary Suspected Drug Overdose-Related Deaths By Race (2022)



Data Source: 2008-2022 Forensic Medical Management Services. Death Investigation and Decedent Information[v3.0.10]
Prepared by the Shelby County Health Department Office of Epidemiology.

Suspected Drug Overdose-Related Deaths By Race (2022)

Total Suspected Drug Overdose Related Death = **450**

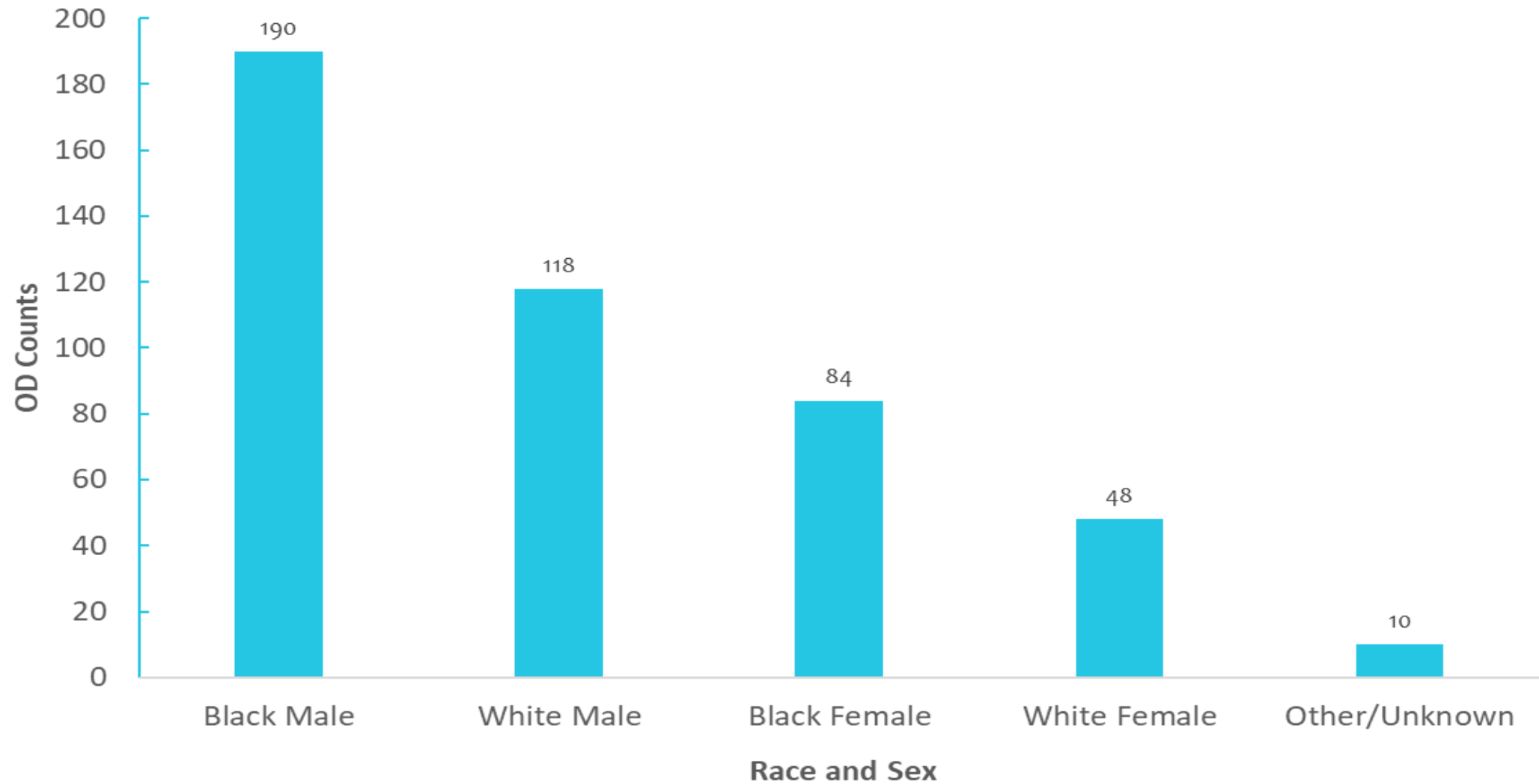
Black Deaths **274** (61%)

White Deaths **166** (37%)

Other/Unknown **10** (2%)

Black Deaths are **1.7 X** that of Whites

Shelby County Preliminary Suspected Drug Overdose-Related Deaths By Race and Sex (2022)



Data Source: 2008-2022 Forensic Medical Management Services. Death Investigation and Decedent Information[v3.0.10]
Prepared by the Shelby County Health Department Office of Epidemiology.

Suspected Drug Overdose-Related Death by Race and Sex (2022)

Total Suspected Drug Overdose-Related Deaths = **450**

Black male **190** (42%)

White male **118** (26%)

Black female **84** (19%)

White female **48** (11%)

Other/Unknown **10** (2%)

Opioid-Related ED Visits by Race & Sex (2022)



Source: Electronic Surveillance System for the Early Notification of Community-based Epidemics (Essence)-TN
Prepared by the Shelby County Health Department Office of Epidemiology.

Opioid-Related ED Visits by Race & Sex (2022)

Total Opioid-Related ED Visits = **2,038**

Black male **1017** (50%)

Black female **405** (20%)

White male **328** (16%)

White female **188** (9%)

Other/Missing **100** (5%)

Opioid-Related ED Visits by Race (2022)

Total Opioid-Related ED Visits = **2,038**

Black **1,422** (70%)

White **516** (25%)

Other/Missing **100** (5%)

ED Visits for Blacks were **2.8 X** that of White

2021 Overdose Death Counts, Shelby County TN

All Drugs 549

Opioid 488

Fentanyl 458

Pain reliver 90

Heroin 15

Any Stimulant 320

Fentanyl accounted for **94%** of the Opioid Related Deaths and **83%** of all Drug Overdose Deaths

COVID-19

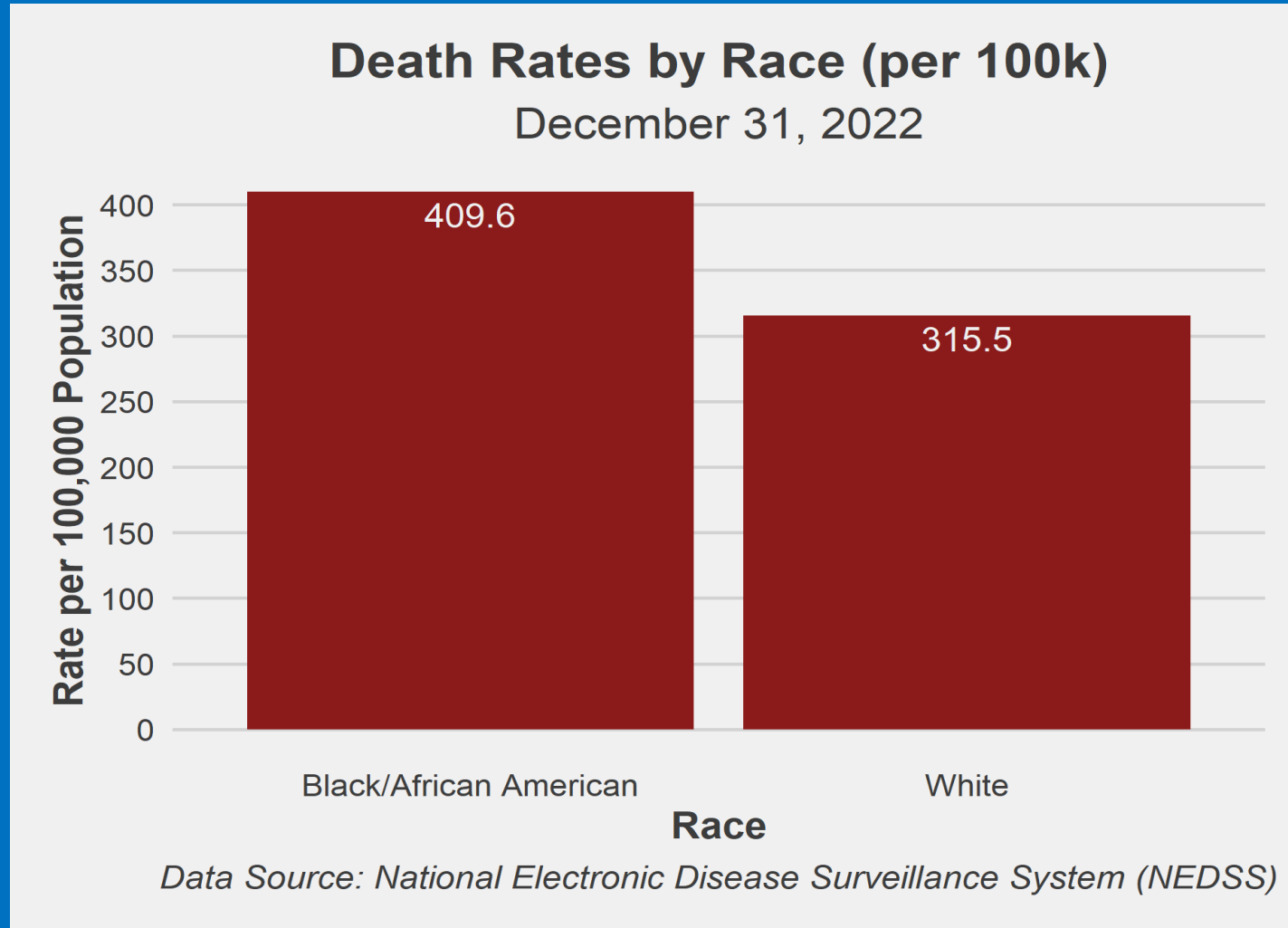
COVID-19 Deaths by Race

December 31, 2022

Race	N	% Total	Rate per 100k
Black/African American	2,113	59.5%	409.6
White	1,227	34.6%	315.5
Other	162	4.6%	
Missing	49	1.4%	
Total	3,551	100.0%	378.9

COVID-19 Death Rates by Race

December 31, 2022



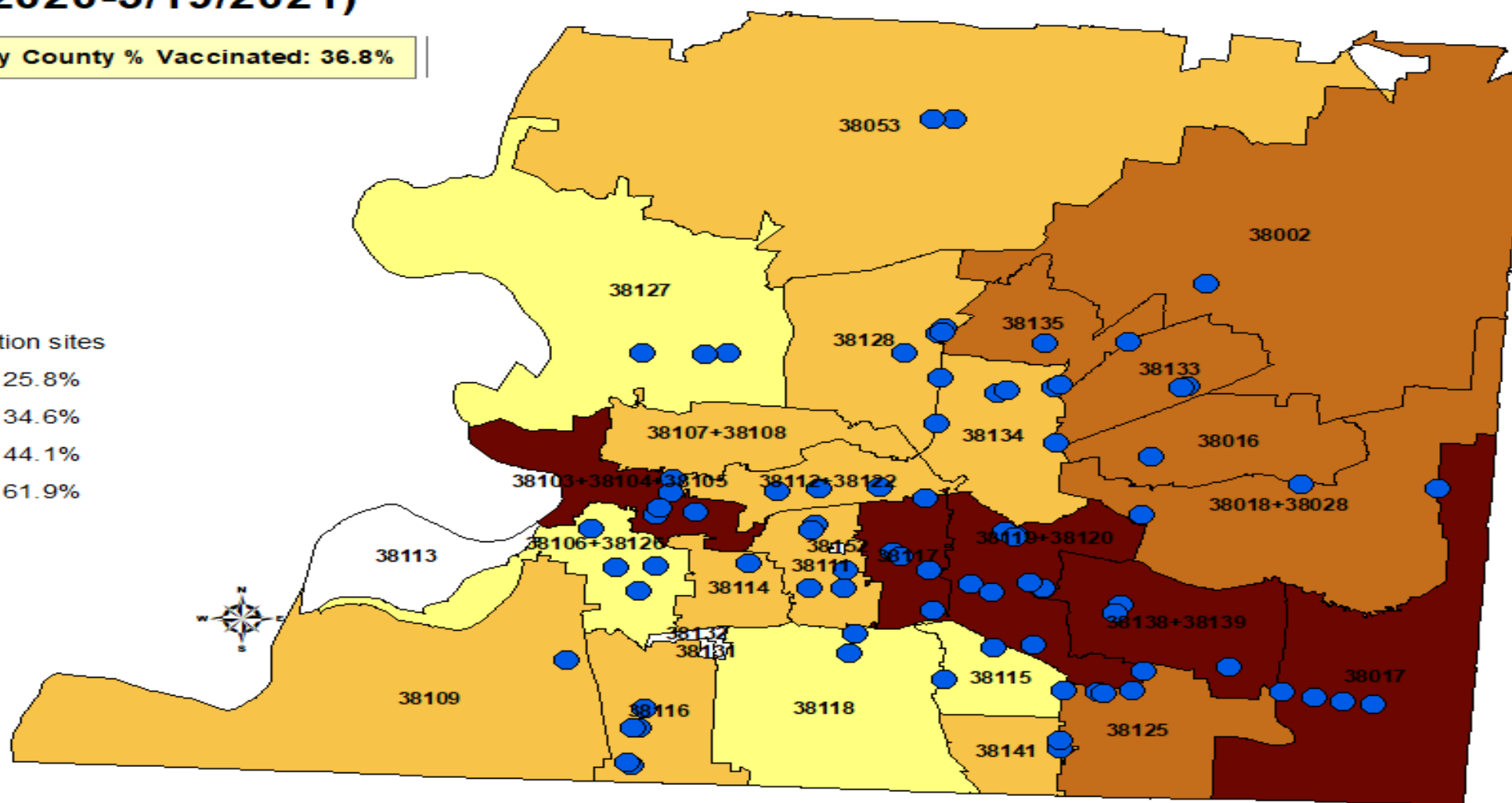
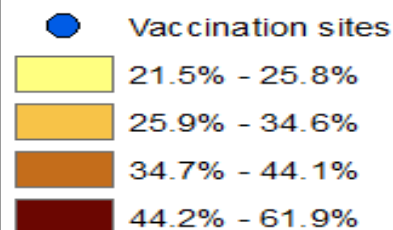
Cumulative COVID-19 Cases by Race, Shelby County, as of 02/07/2023

Race	N	% Total	Rate per 1,000
Black/African American	140,072	47.1	277.5
White	77,365	26.0	211.5
Missing/Other	79,719	26.8	
Total	297,156	100.0	317.1

Shelby County COVID-19 Vaccination: % Population Vaccinated (12/16/2020-5/19/2021)

Shelby County % Vaccinated: 36.8%

Legend



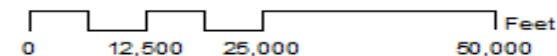
Data Source: Tennessee Immunization Information System (TennIIS)

Total = 344,456 Mapped = 344,420 (Other/Missing Zip Code = 36)

Note: Preliminary data subject to change

Data has been divided into 4 categories based on the Jenks Natural Breaks method.

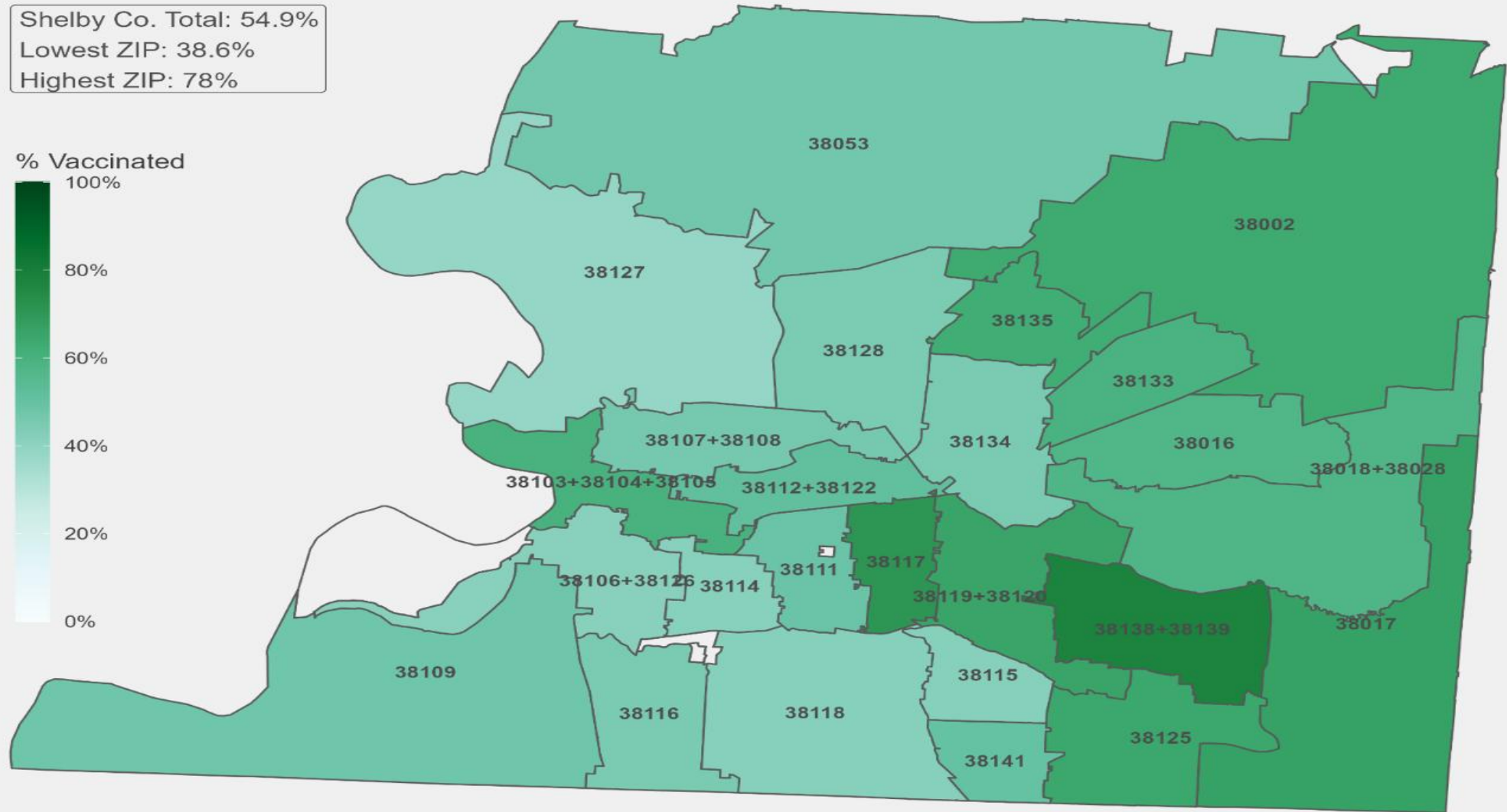
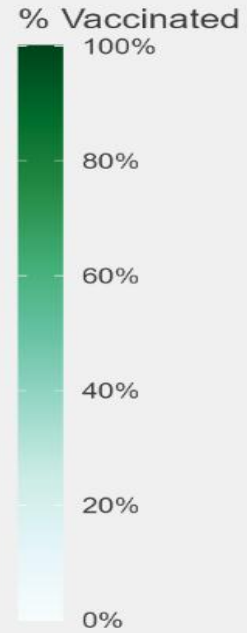
Rates calculated with ACS 2019 5 Year Population Estimates.



Population Vaccinated by ZIP Code (Fully Vaccinated)

12/16/2020 - 12/31/2022

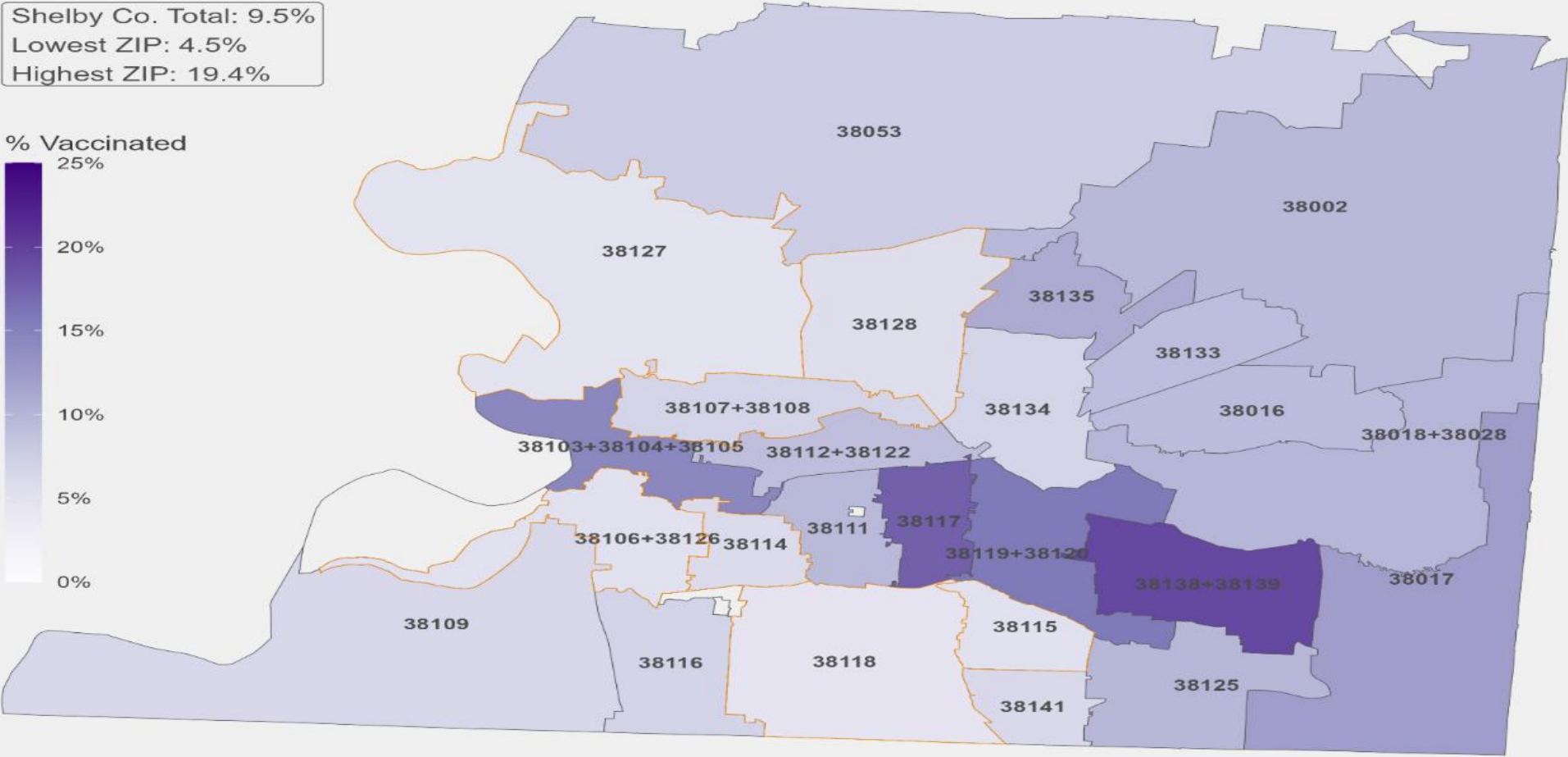
Shelby Co. Total: 54.9%
Lowest ZIP: 38.6%
Highest ZIP: 78%



Data Source: Tennessee Immunization Information System (TennIIS)
Total = 514,694 Mapped = 509,075 (Other/Missing ZIP = 5,619)
Rates calculated with ACS 2019 5 Year population estimates

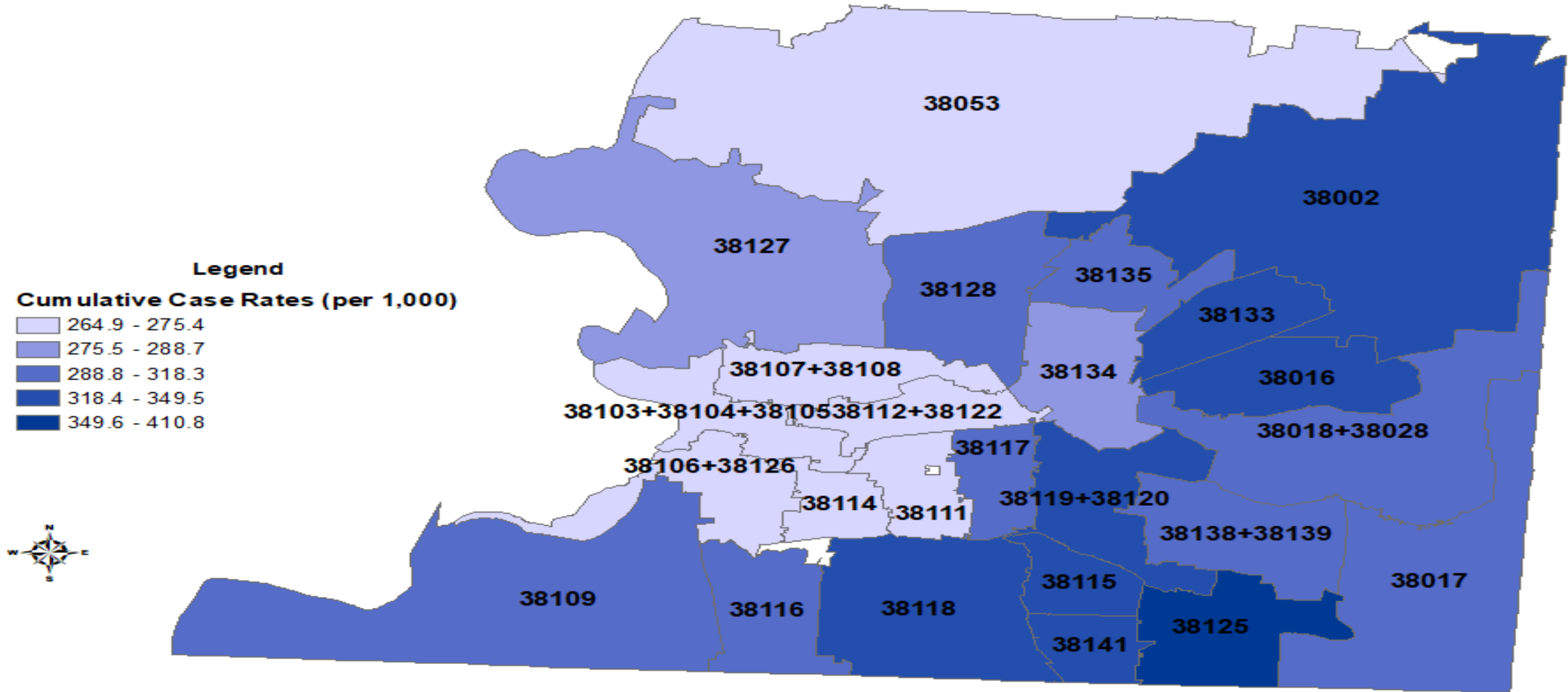
Shelby County Population, COVID-19 Vaccinated by Zip Code (Bivalent Booster)

12/16/2020 - 02/27/2023



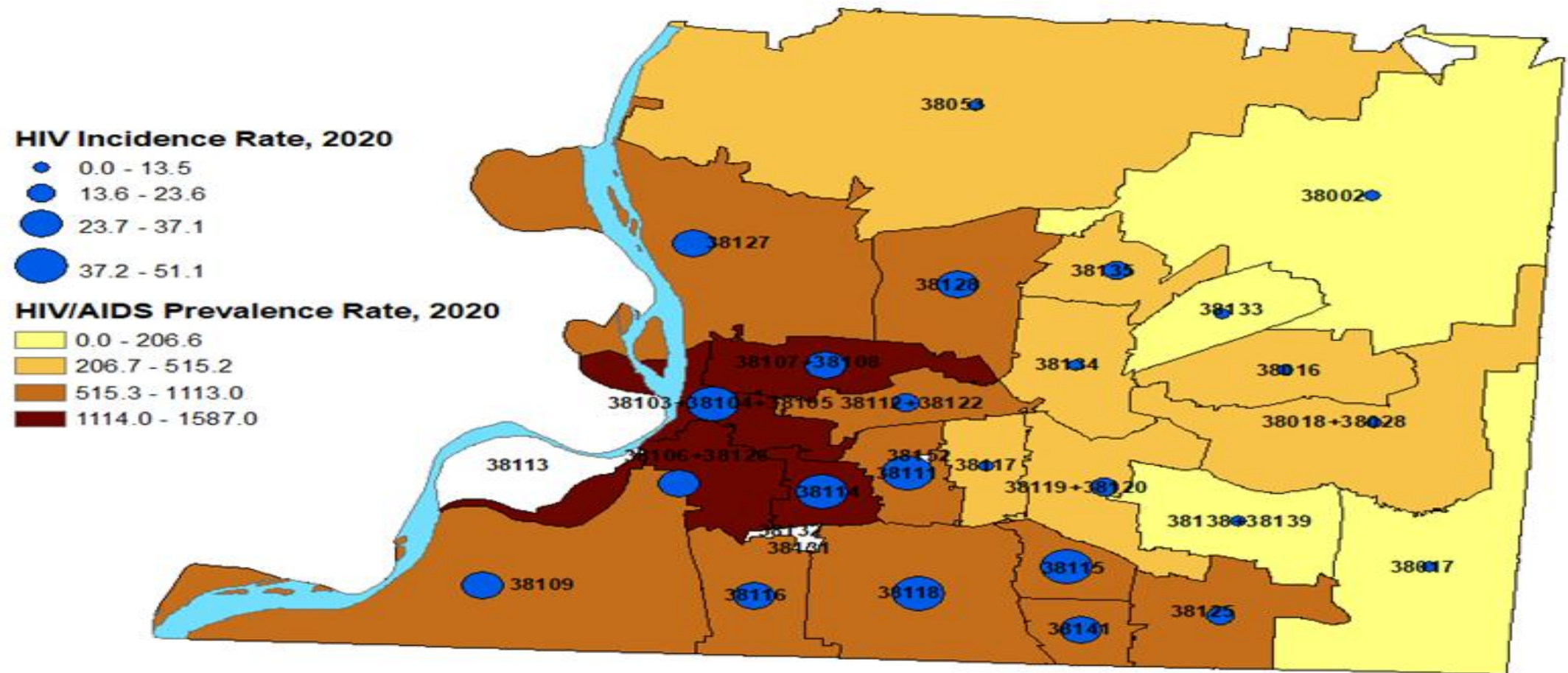
Data Source: Tennessee Immunization Information System (TennIIS)
 Total = 88,918 Mapped = 87,494 (Other/Missing ZIP = 1,424)
 Data shown on a continuous color scale from 0% to 25%
 Rates calculated with ACS 2019 5 Year population estimates

Cumulative COVID-19 Case Rate (per 1,000) by Zip Code As of 02/07/2023



*Data Source: National Electronic Disease Surveillance System (NEDSS)
Total=297,156, Mapped=290,055 (Other/Missing Zip=7,101)
Rates calculated with ACS 2019 5 Year population estimates*

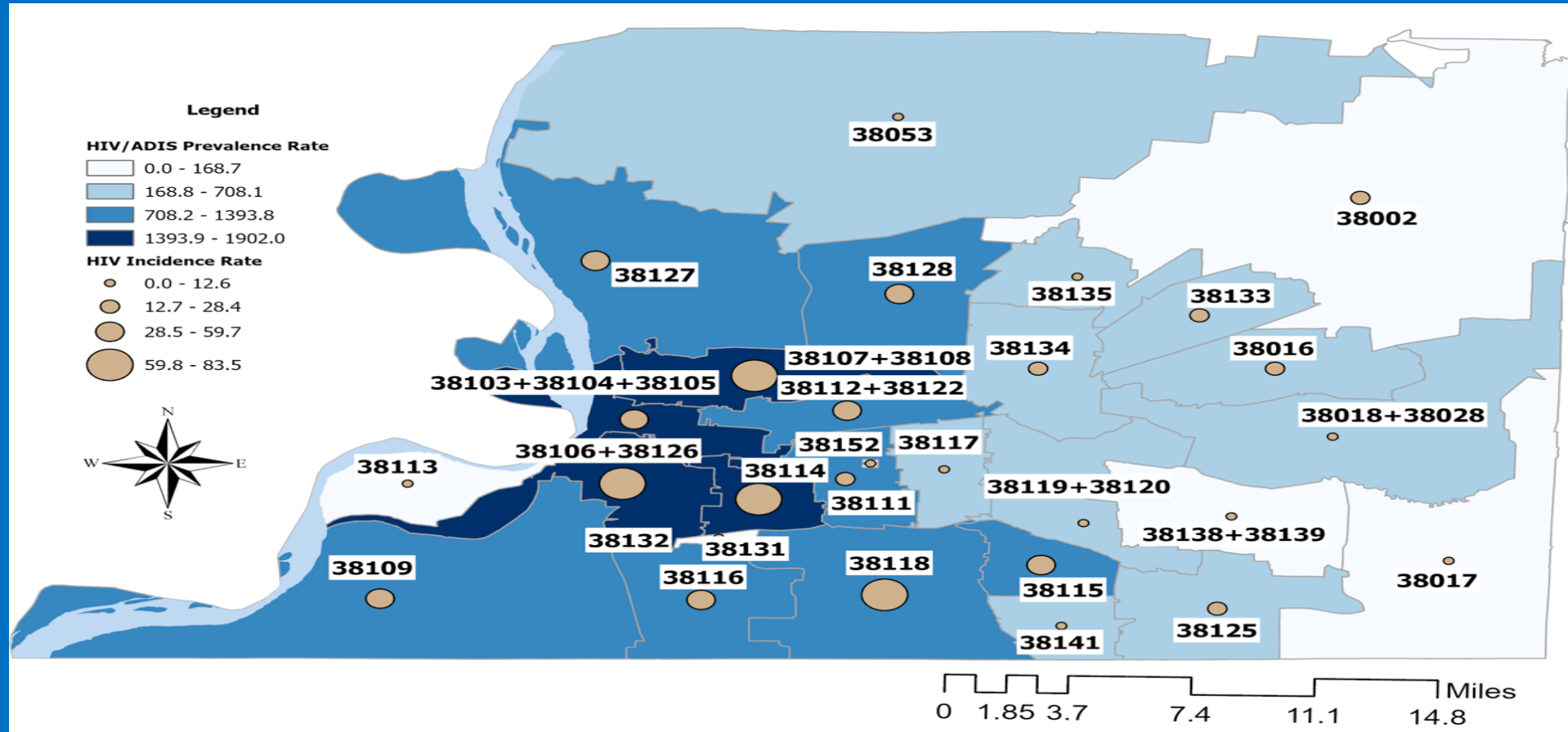
HIV/AIDS Incidence and Prevalence Rates (per 100,000 population) Shelby County, 2020



Data Source: eHARS, TN; *Preliminary data, subject to change.



Prevalence & Incidence Rates (per 100,000 population) Shelby County, 2024*



The positive correlation between prevalence and incidence rates indicates that these zip code areas need to be considered high-priority areas for resource allocation in terms of HIV testing and care. (Pearson correlation coefficient=0.93)

*Data Source: TDH. *Preliminary data. Subject to updates. Prepared by the SCHD Office of Epidemiology.*

People living with HIV/AIDS (PLWHA) in Shelby County 2020

6,958 PLWHA:

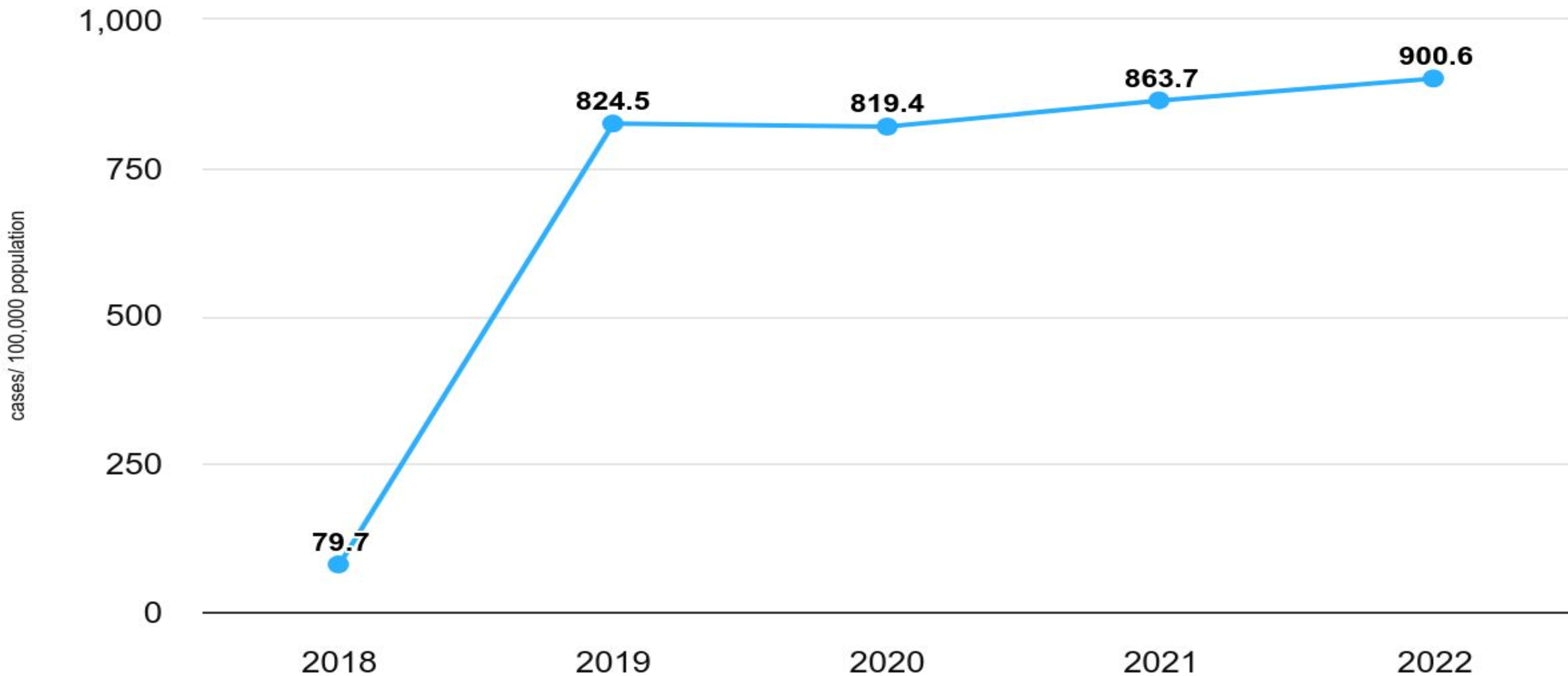
- Male **70%**
- Female 29%
- Transgender 1%
- Black **83%**
- Age 15-34 **62%**
- MSM Exposure **44%**
- Heterosexual Exposure **33%**
- Injection Drug User (IDU) Exposure 3%
- Perinatal Exposure 1%
- Risk Not Identified 17%

People living with HIV/AIDS (PLWHA) in Shelby County 2024

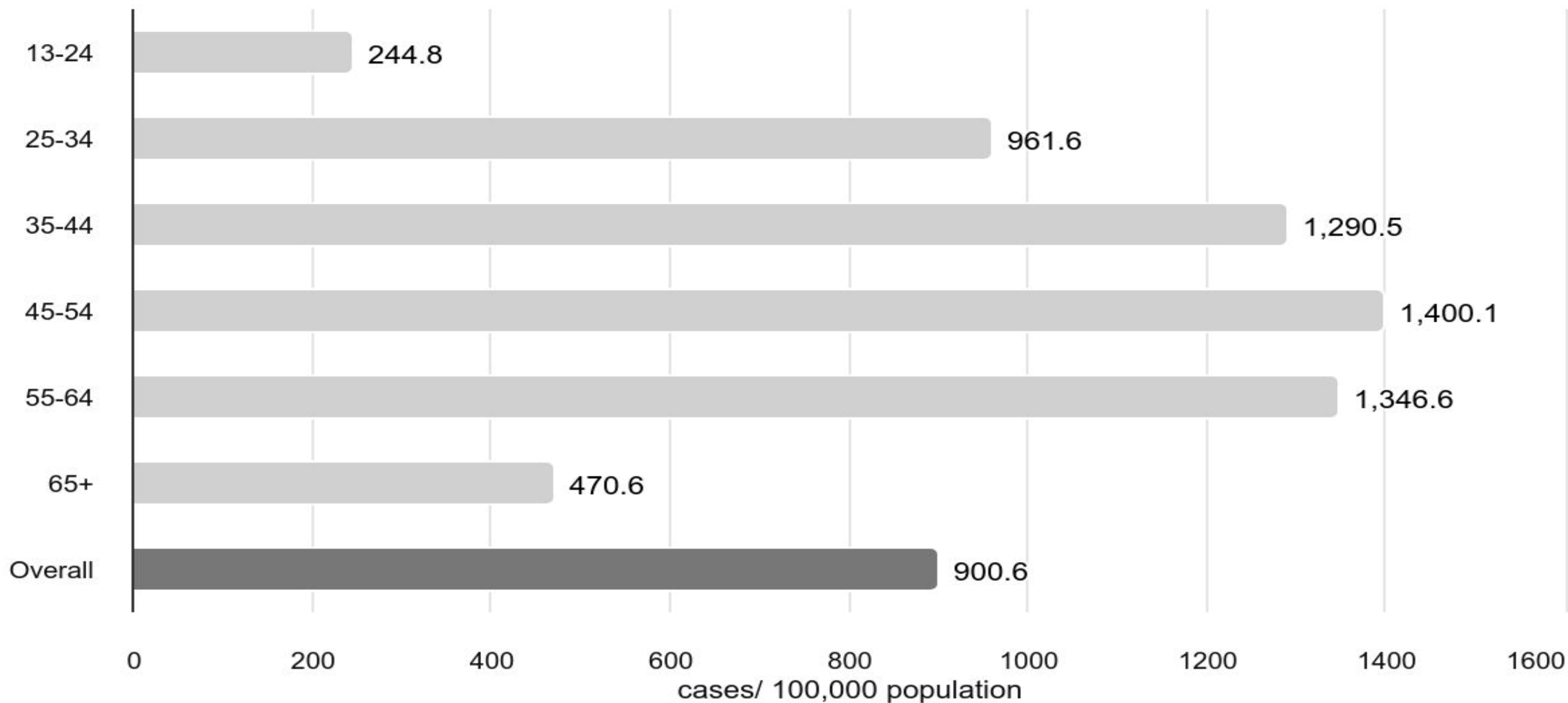
7,728 PLWHA:

- Male **70%**
- Female **28%**
- Transgender **2%**
- Black **81%**
- Age 15-34 **64%**
- MSM Exposure **45%**
- Heterosexual Exposure **31%**
- Injection Drug User (IDU) Exposure **3%**
- Perinatal Exposure **1%**
- Risk Not Identified **17%**

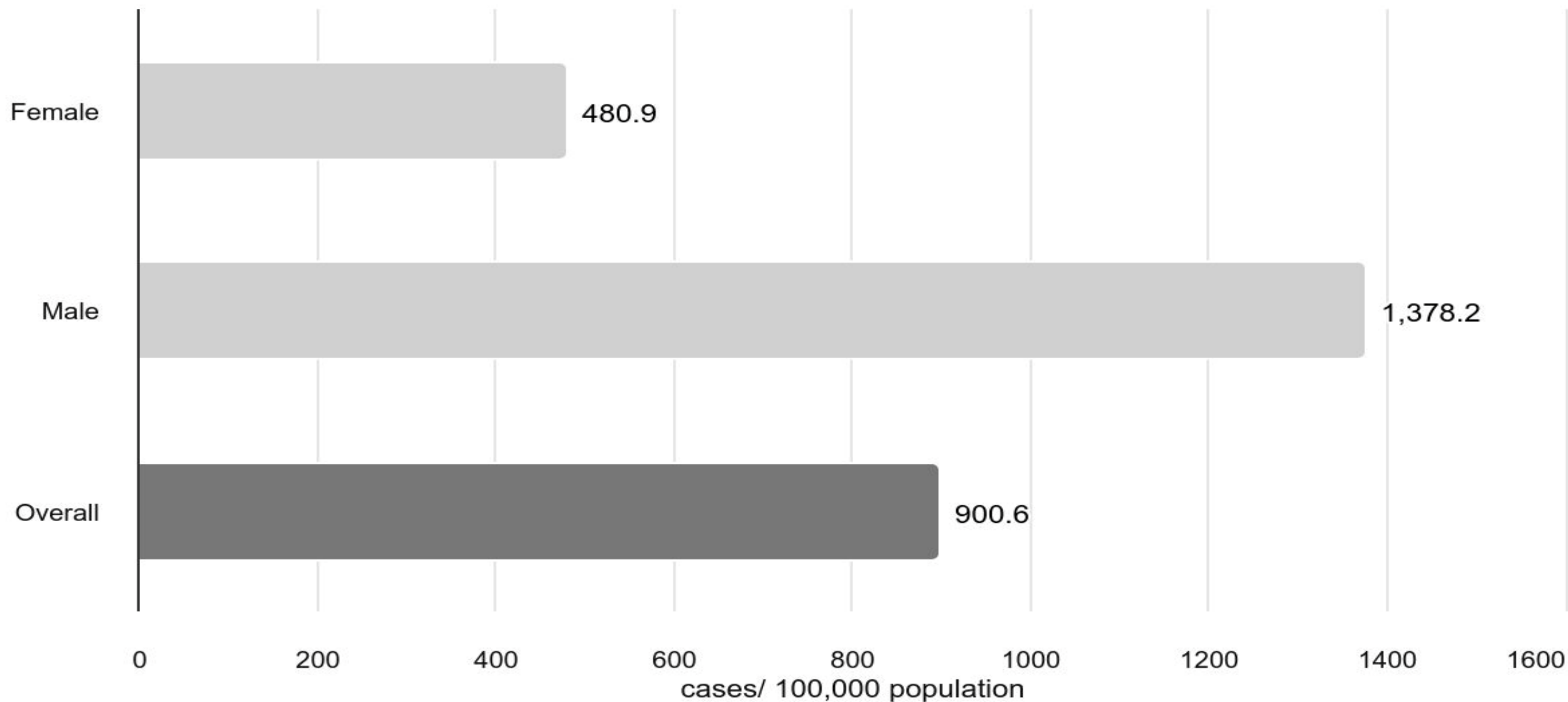
HIV Prevalence Rate County: Shelby



HIV Prevalence Rate by Age County: Shelby



HIV Prevalence Rate by Gender County: Shelby



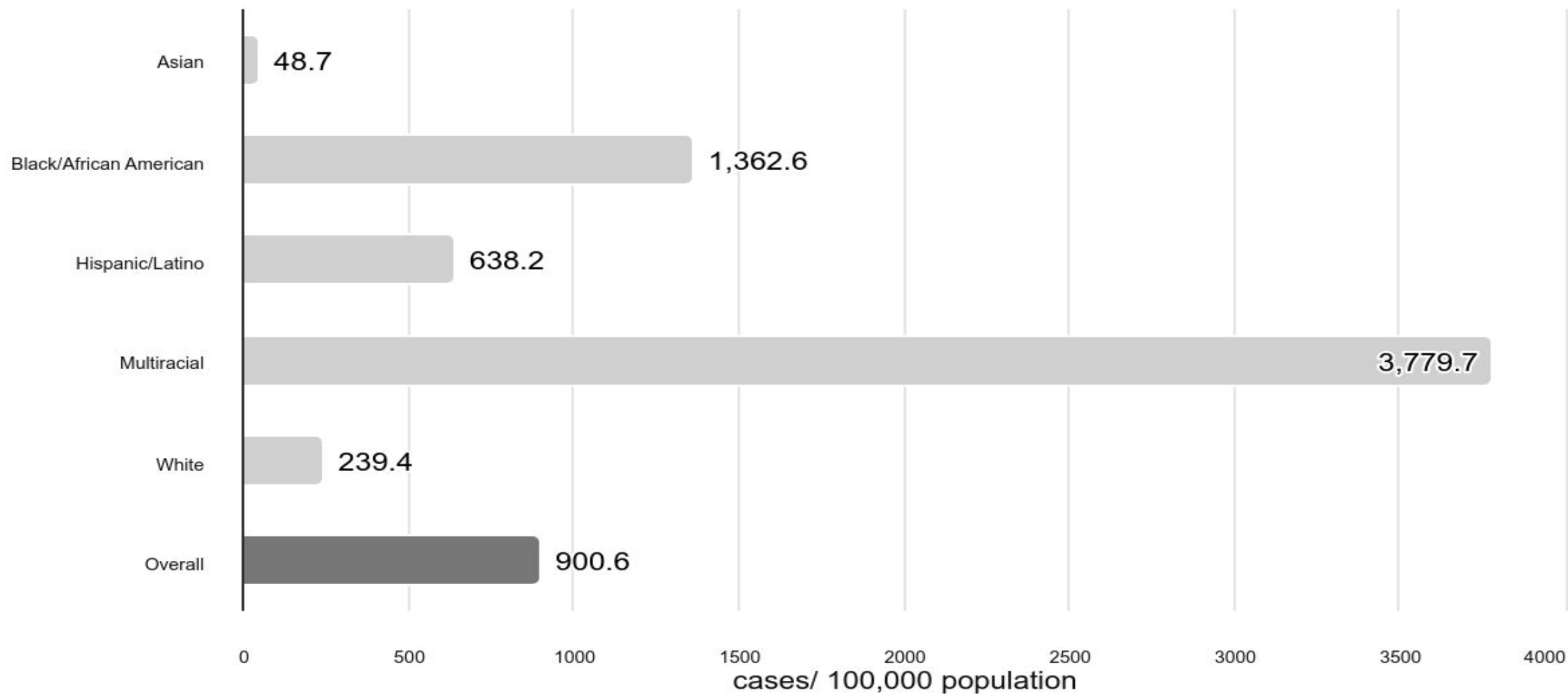
HIV Prevalence Rates by Sex 2022

Males **1378.2** per 100,000

Females **480.9** per 100,000

Males HIV Prevalence Rate is **2.9 X** higher than Females

HIV Prevalence Rate by Race/Ethnicity County: Shelby



HIV Prevalence Rates by Race/Ethnicity 2022 per 100,000

Multiracial **3,780**

Black/African American **1363**

Hispanic/Latino **638**

White **239**

Asian **49**

HIV Prevalence Rates by Race/Ethnicity 2022

Multiracial HIV Prevalence Rate is **15.8 X** higher than Whites

Multiracial HIV Prevalence Rate is **2.8 X** higher than Blacks

[Healthy Shelby :: Indicators :: HIV Prevalence Rate :: County : Shelby](#)

HIV Prevalence Rates by Race/Ethnicity 2022

Black HIV Prevalence Rate is **5.7 X** higher than Whites

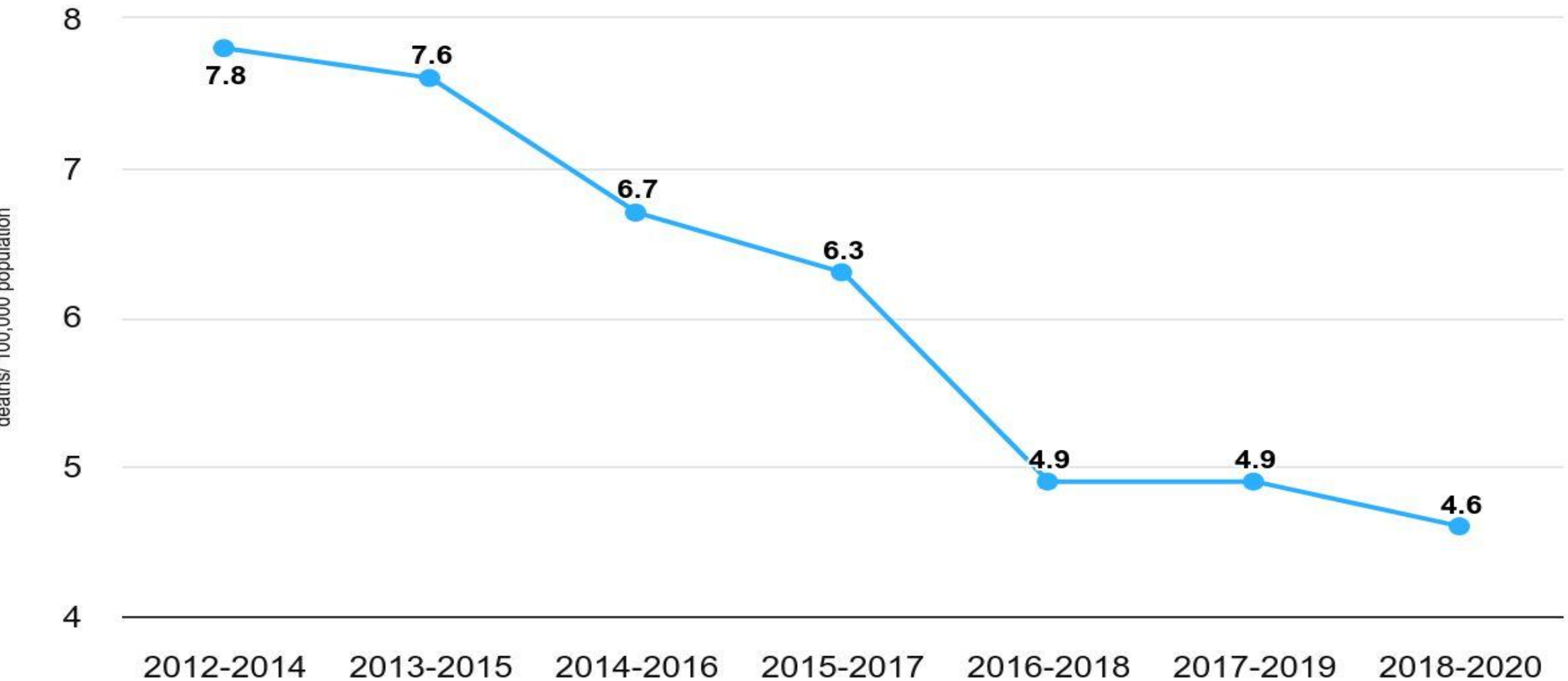
Black HIV Prevalence Rate is **2.1 X** higher than Hispanic/Latino

Black HIV Prevalence Rate is **28 X** higher than Asians

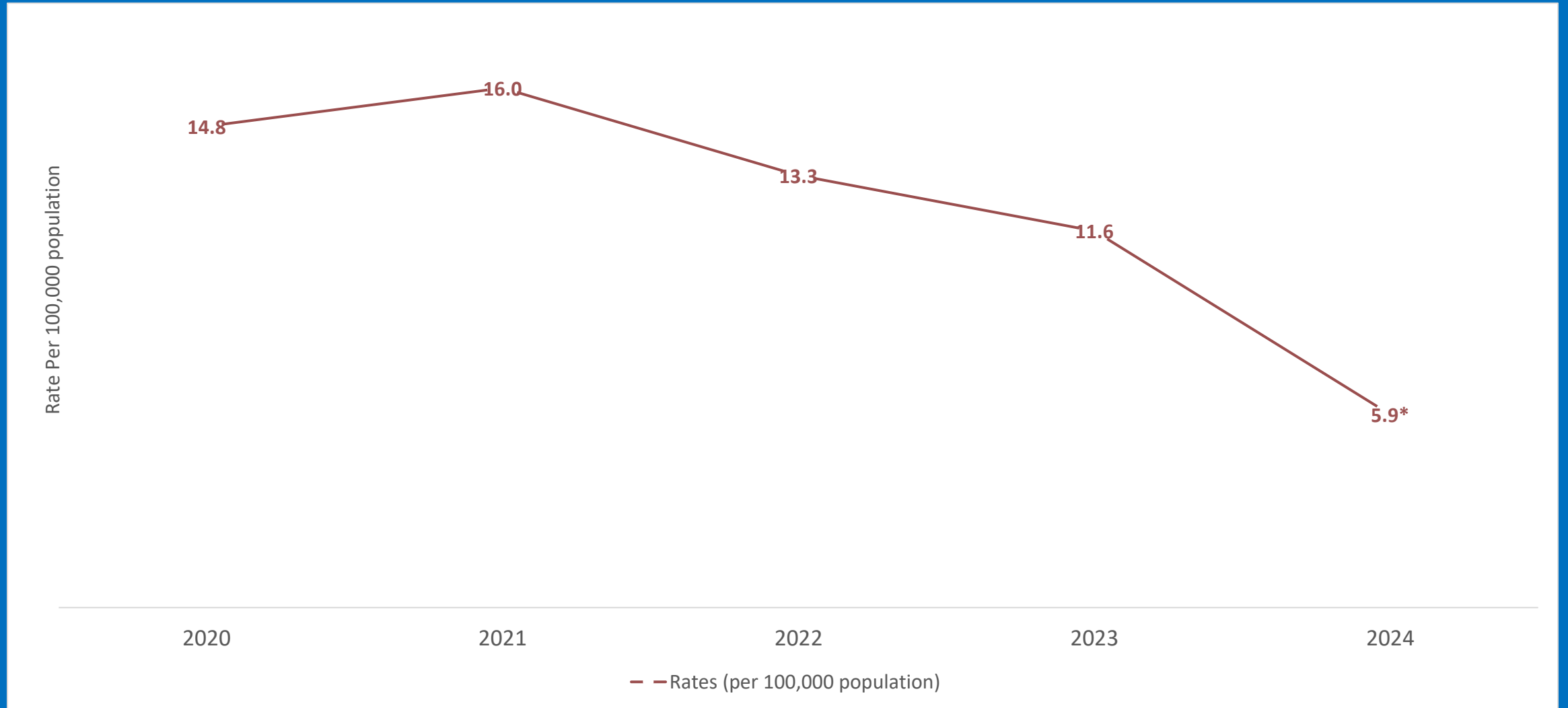
<http://www.cdc.gov/nchstp/>

[ealthy Shelby :: Indicators :: HIV Prevalence Rate :: County : Shelby](#)

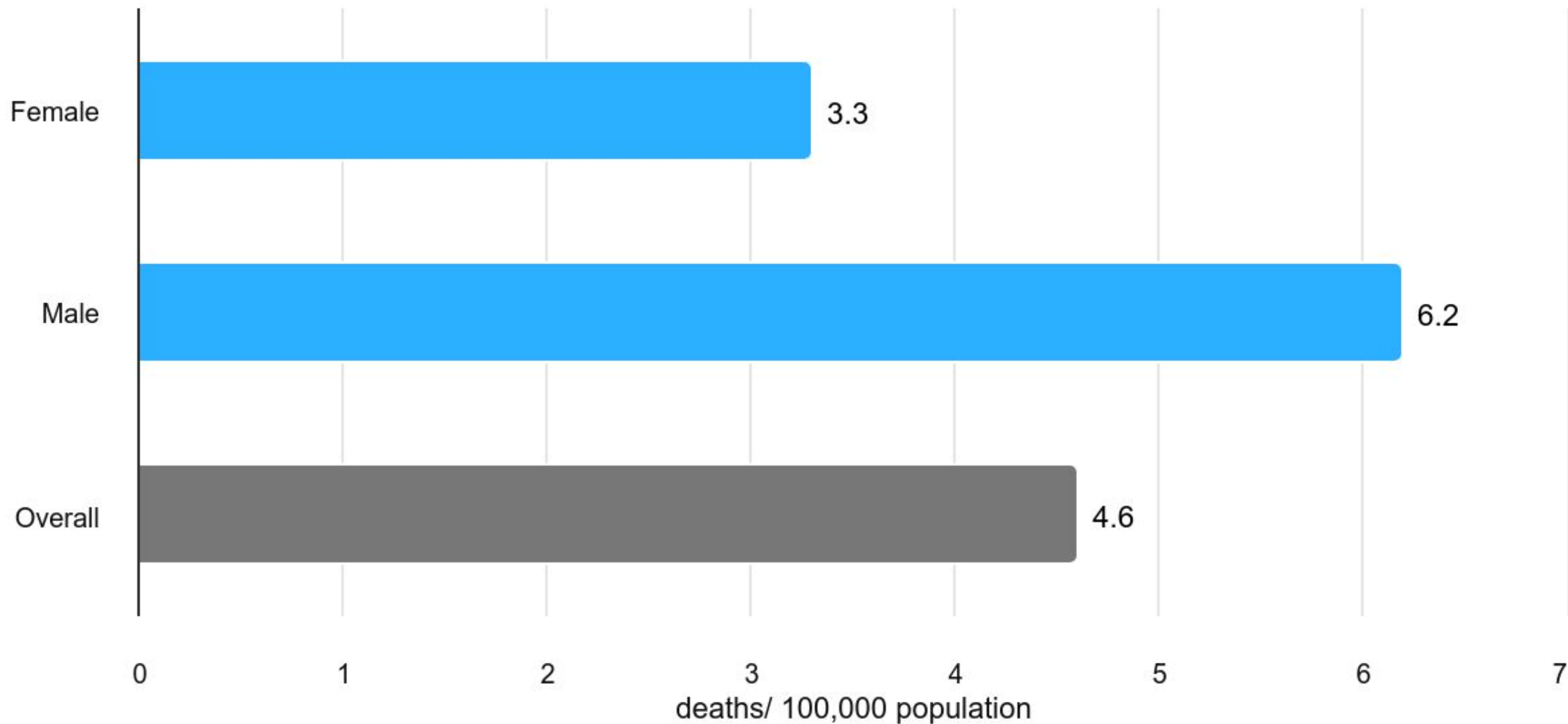
Age-Adjusted Death Rate due to HIV County: Shelby



Crude HIV death rates (per 100,000 population) Shelby County, TN 2020-2024 *

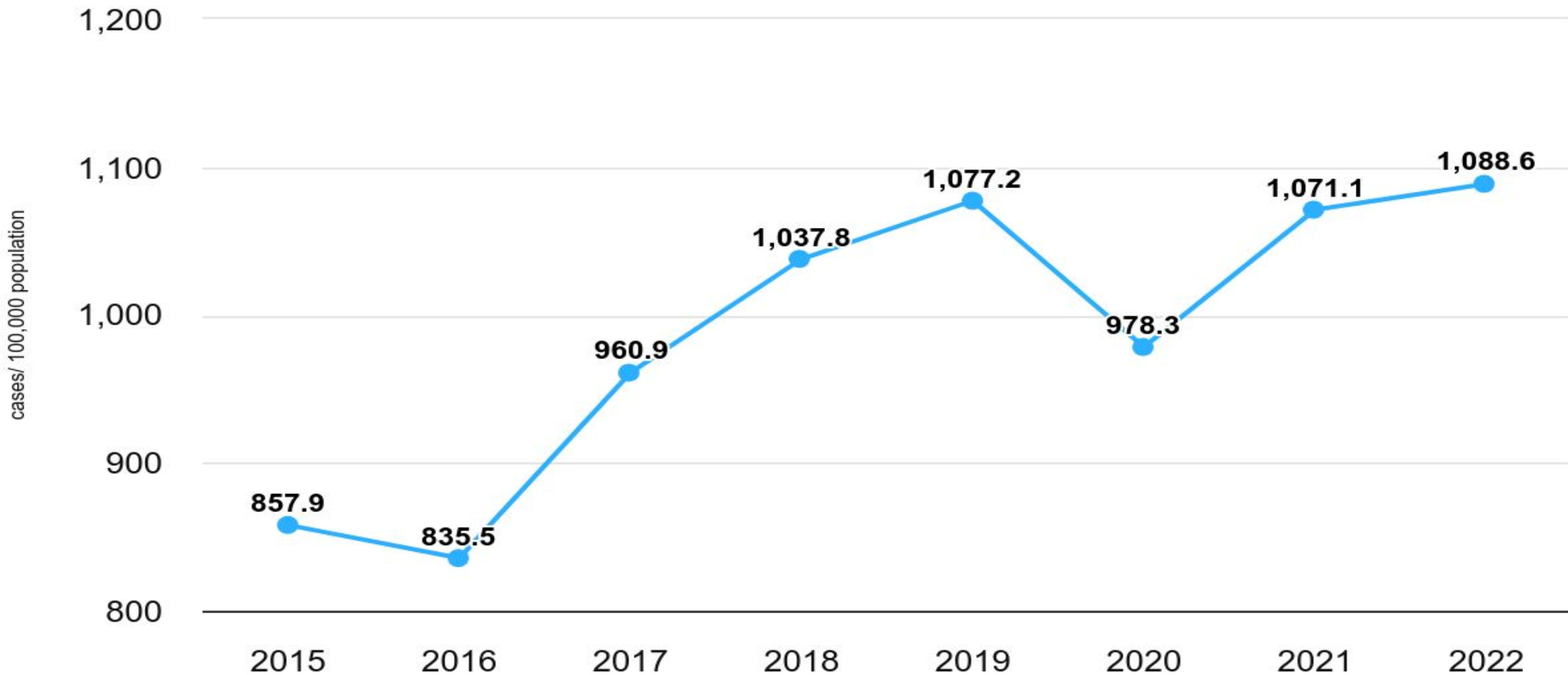


Age-Adjusted Death Rate due to HIV by Gender County: Shelby



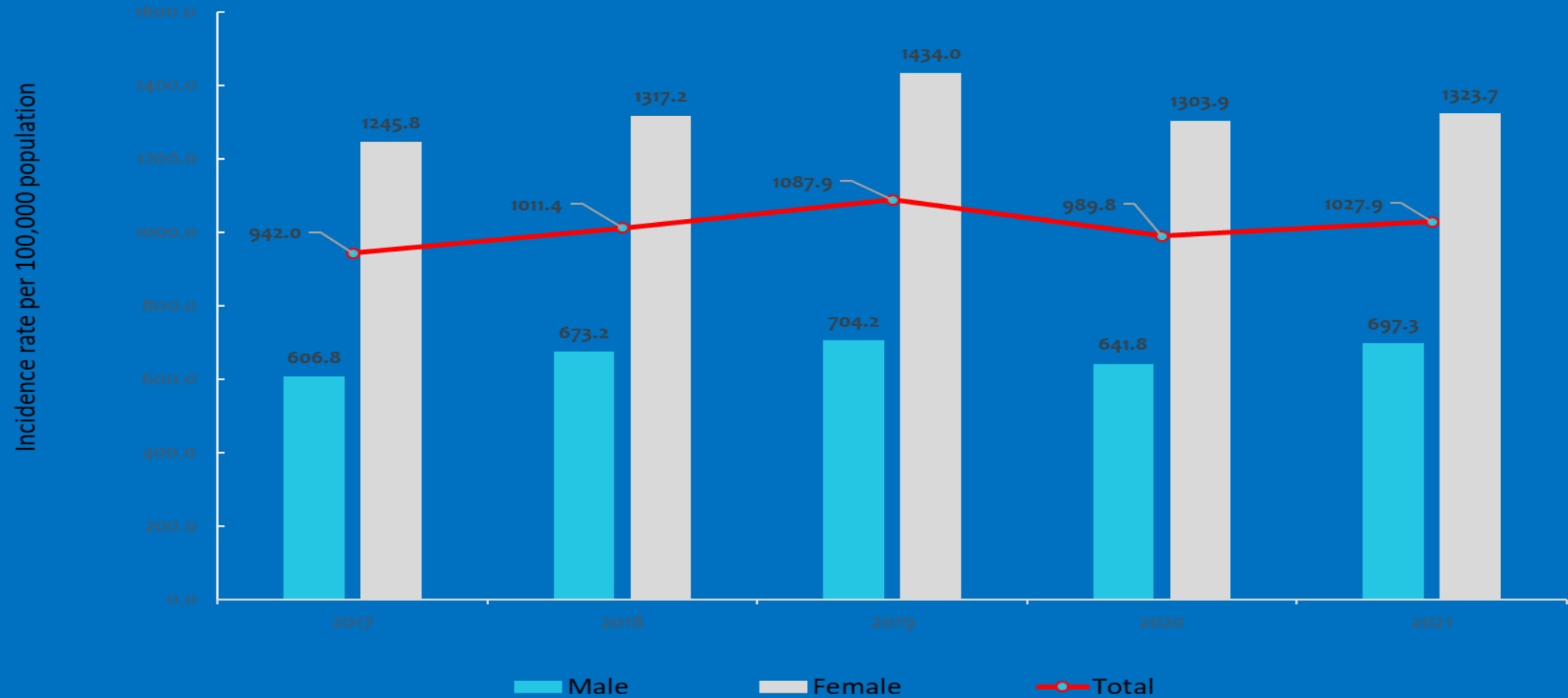
CHLAMYDIA

Chlamydia Incidence Rate County: Shelby



Source: National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention (2022)

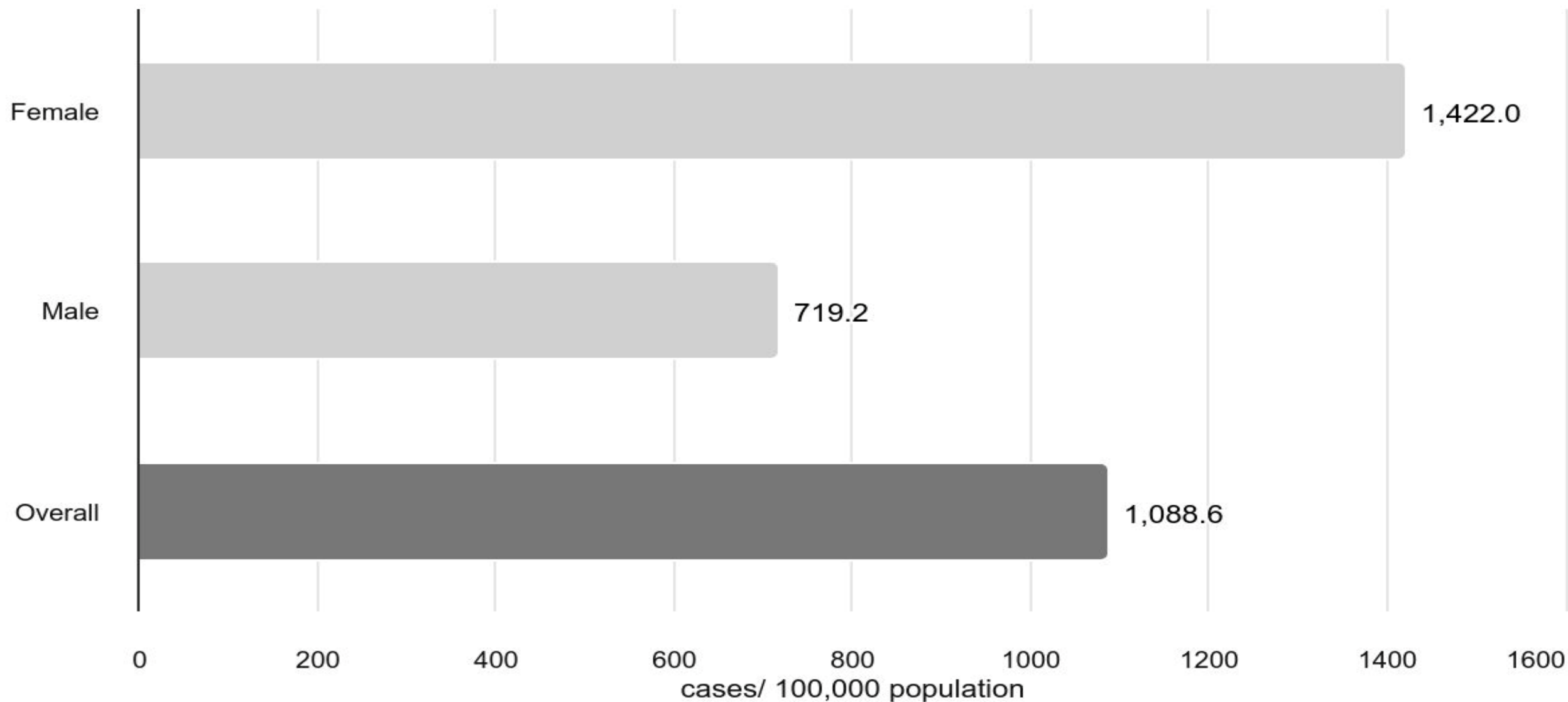
New Chlamydia Transmission Rates per 100,000 by Sex (Shelby County, TN 2017 – 2021)



Data Source: PRISM. National Center for Health Statistics. Vintage 2020 Bridged-Race Postcensal Population Estimates.

Prepared by Shelby County Health Department (SCHD), Office of Epidemiology and Infectious Diseases. Use of these data does not imply TDH agrees or disagrees with any presentations, analyses, interpretations or conclusions herein.

Chlamydia Incidence Rate by Gender County: Shelby



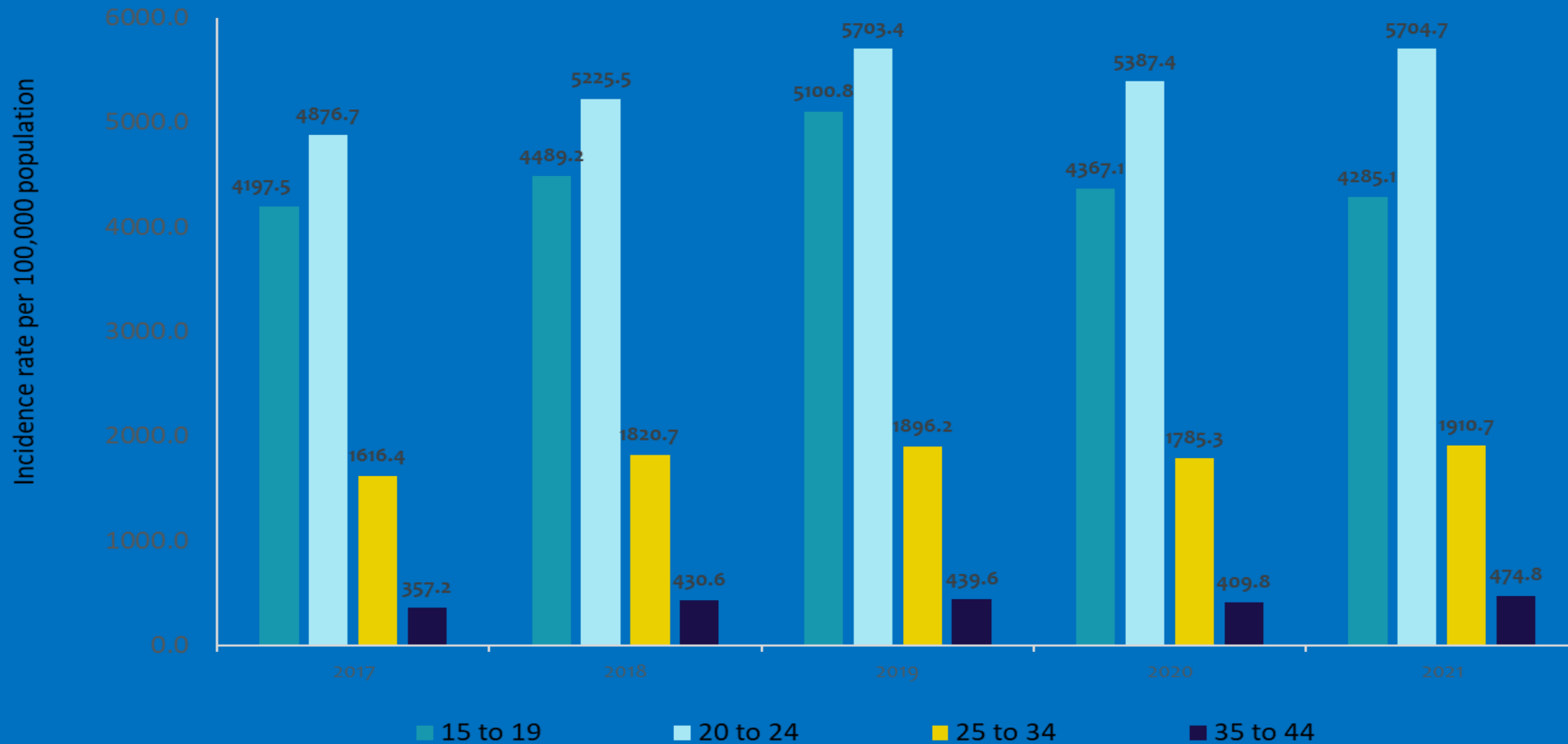
New Chlamydia Transmission Rates per 100,000 by Sex (Shelby County, TN 2022)

Females **1422** per 100,000

Males **719.2** per 100,000

Transmission Rate in Females is **1.98 X** higher than Males

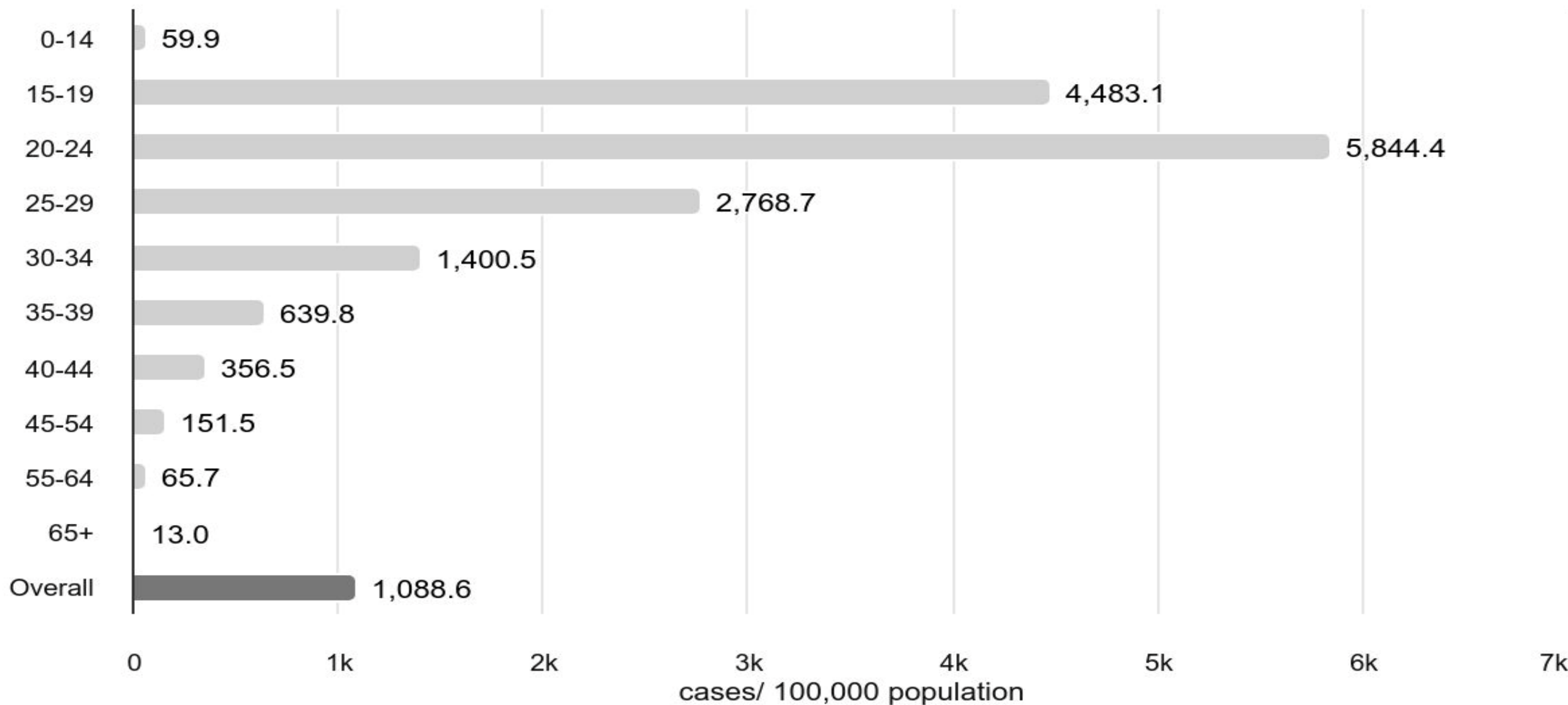
New Chlamydia Transmission Rates per 100,000 by Age (Shelby County, TN 2017 – 2021)



Data Source: PRISM. National Center for Health Statistics. Vintage 2020 Bridged-Race Postcensal Population Estimates.

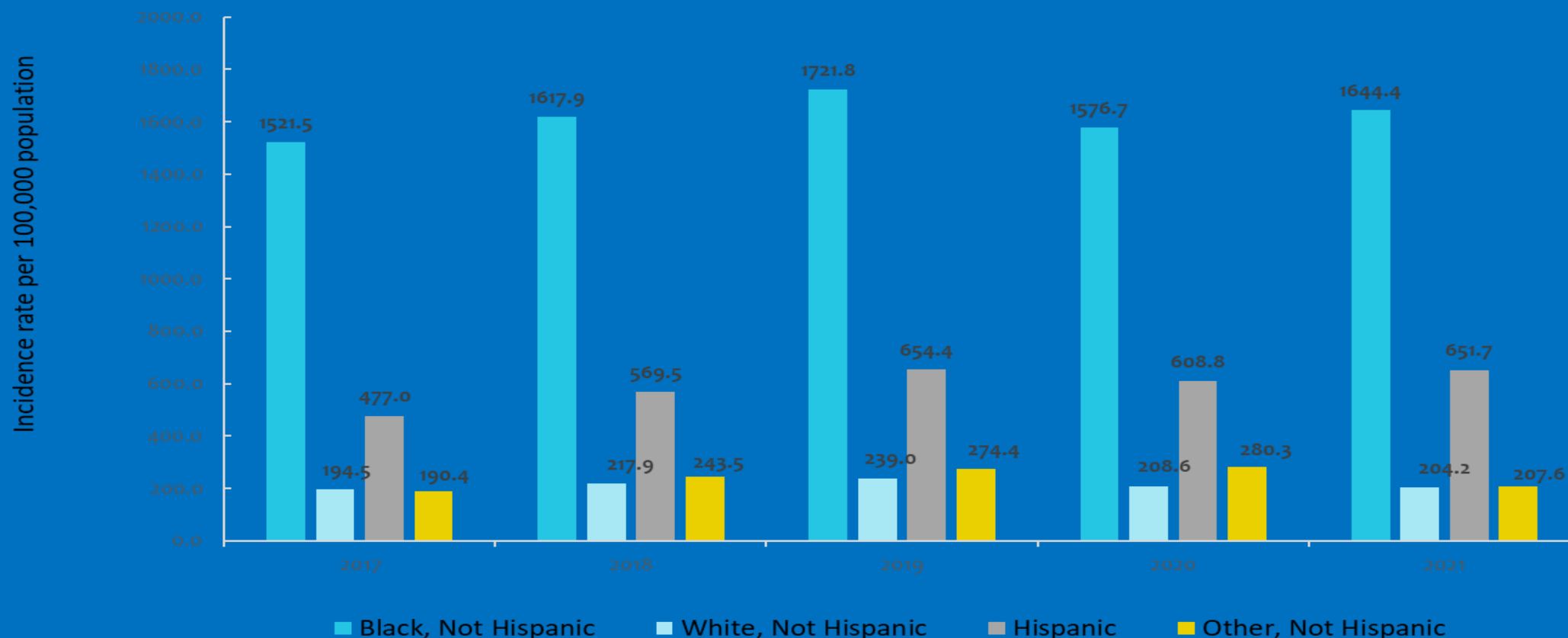
Prepared by Shelby County Health Department (SCHD), Office of Epidemiology and Infectious Diseases. Use of these data does not imply TDH agrees or disagrees with any presentations, analyses, interpretations or conclusions herein.

Chlamydia Incidence Rate by Age County: Shelby



New Chlamydia Transmission Rates per 100,000 by Race

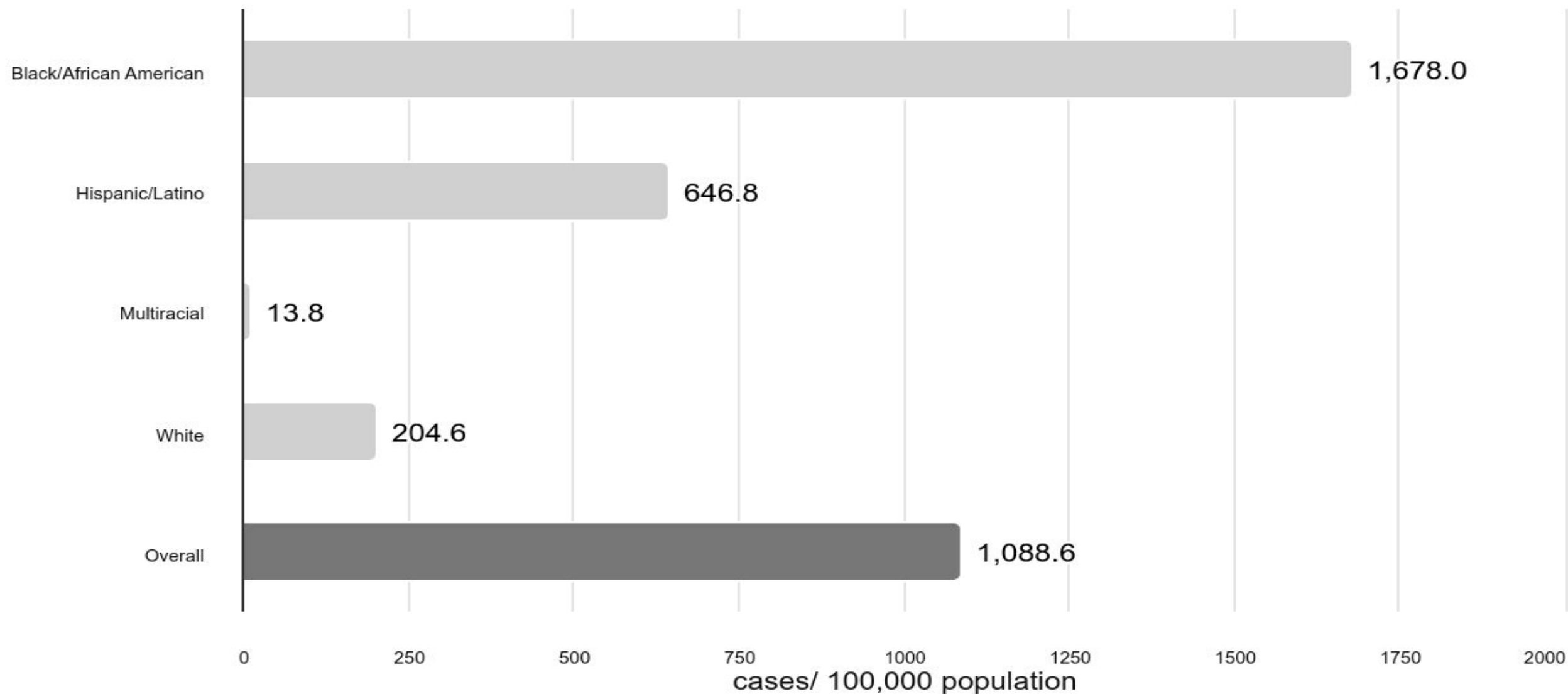
(Shelby County, TN 2017 – 2021)



Data Source: PRISM. National Center for Health Statistics. Vintage 2020 Bridged-Race Postcensal Population Estimates.

Prepared by Shelby County Health Department (SCHD), Office of Epidemiology and Infectious Diseases. Use of these data does not imply TDH agrees or disagrees with any presentations, analyses, interpretations or conclusions herein.

Chlamydia Incidence Rate by Race/Ethnicity County: Shelby



New Chlamydia Transmission Rates per 100,000 by Race (Shelby County, TN 2022)

Blacks: **1678.0** cases per 100,000

Whites: **204.6** cases per 100,000

Chlamydia Transmission Rates in Blacks is **8.2 X** that of Whites

New Chlamydia Transmission Rates per 100,000 by Race

(Shelby County, TN 2022)

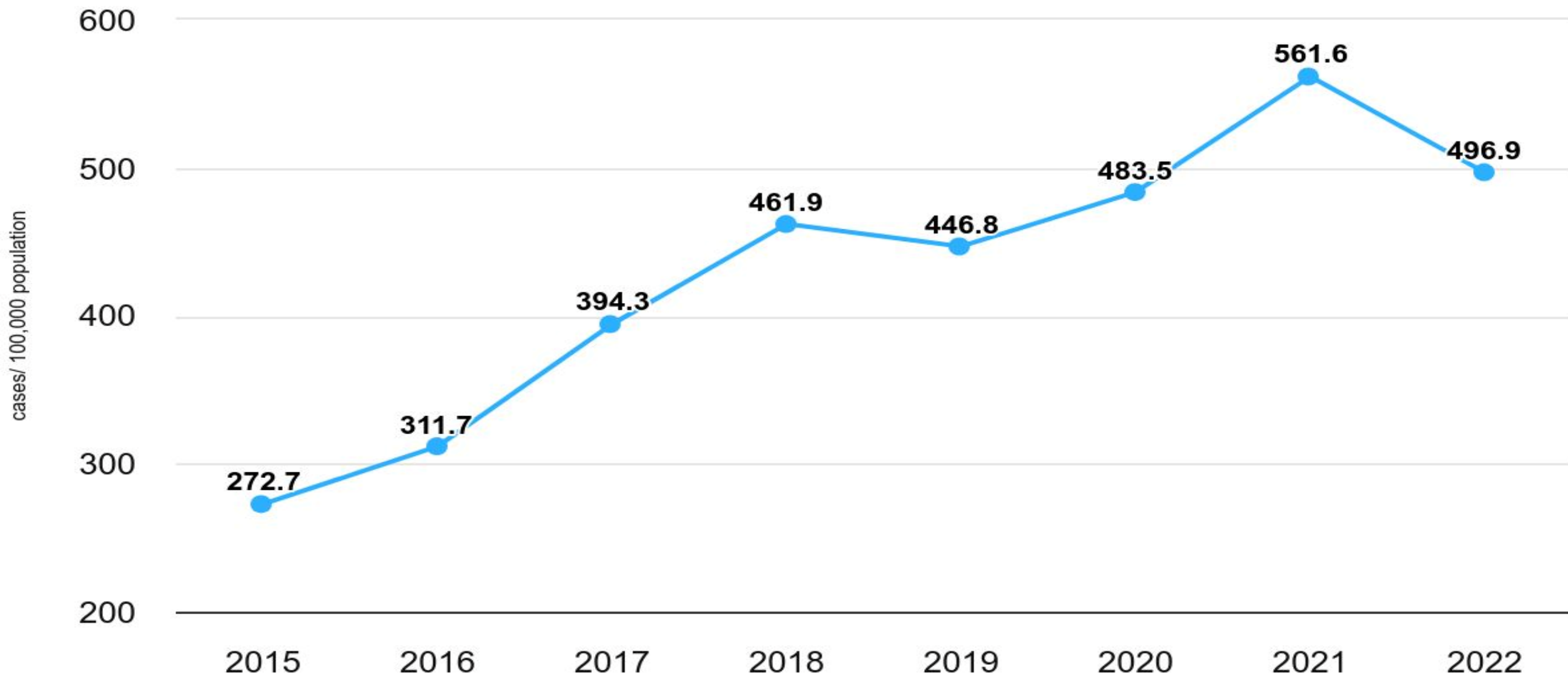
Blacks: **1678.0** cases per 100,000

Hispanics: **646.8** cases per 100,000

Chlamydia Transmission Rates in Blacks is **2.6 X** that of
Hispanics

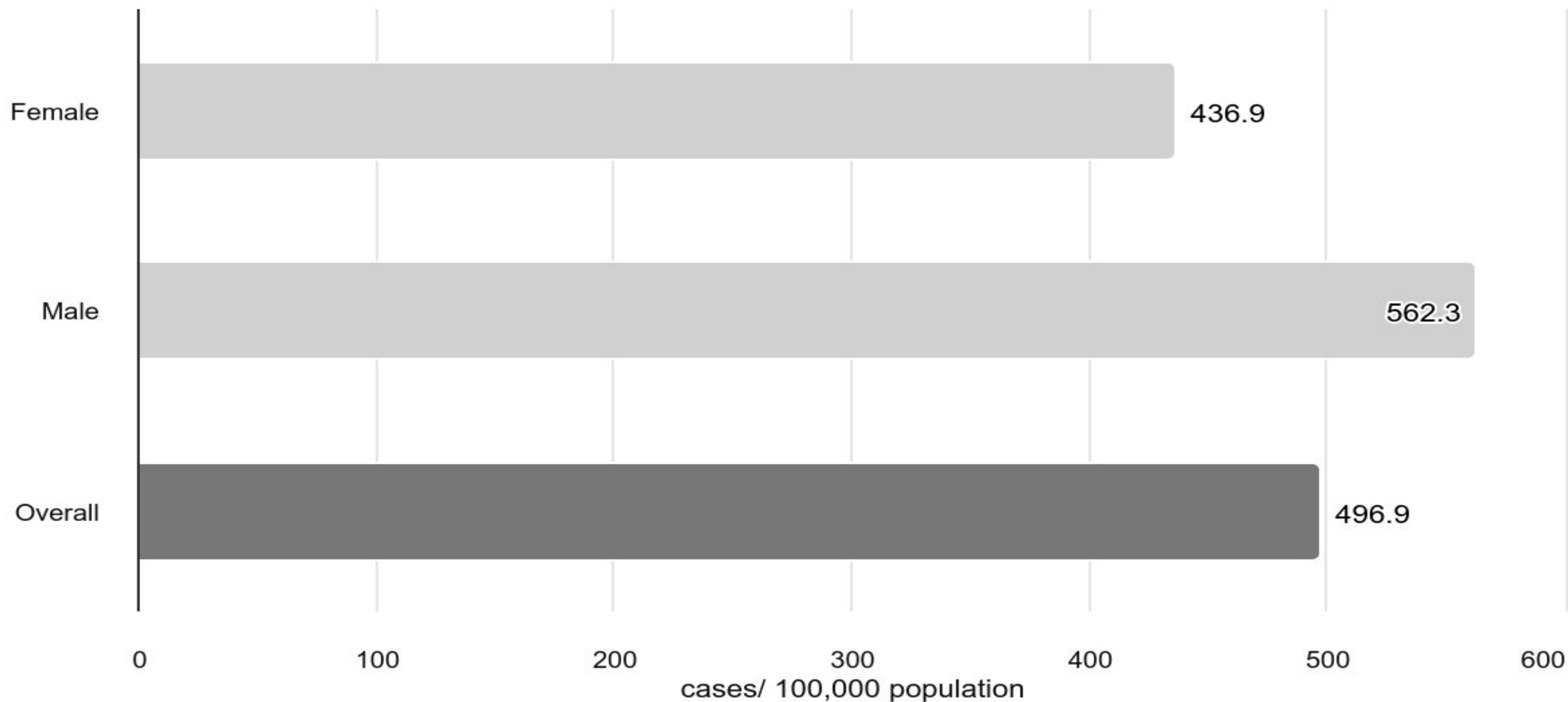
GONORRHEA

Gonorrhea Incidence Rate County: Shelby



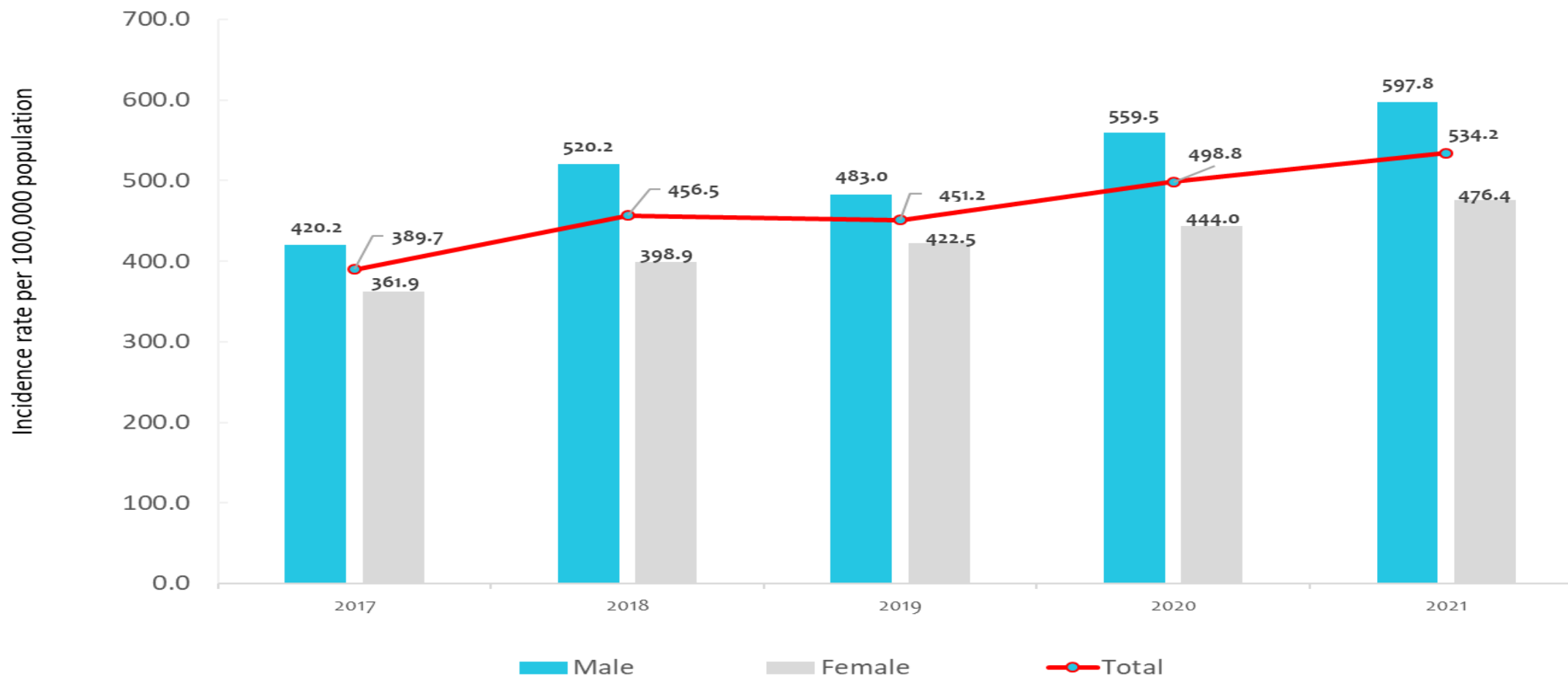
Source: National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention (2022)

Gonorrhea Incidence Rate by Gender County: Shelby



Shelby County Gonorrhea Case Rates per 100,000 by Sex

(Shelby County, TN 2017 – 2021)



Data Source: PRISM. National Center for Health Statistics. Vintage 2020 Bridged-Race Postcensal Population Estimates.

Prepared by Shelby County Health Department (SCHD), Office of Epidemiology and Infectious Diseases.
Use of these data does not imply TDH agrees or disagrees with any presentations, analyses, interpretations or conclusions herein.

Gonorrhea Case Rates per 100,000 by Sex

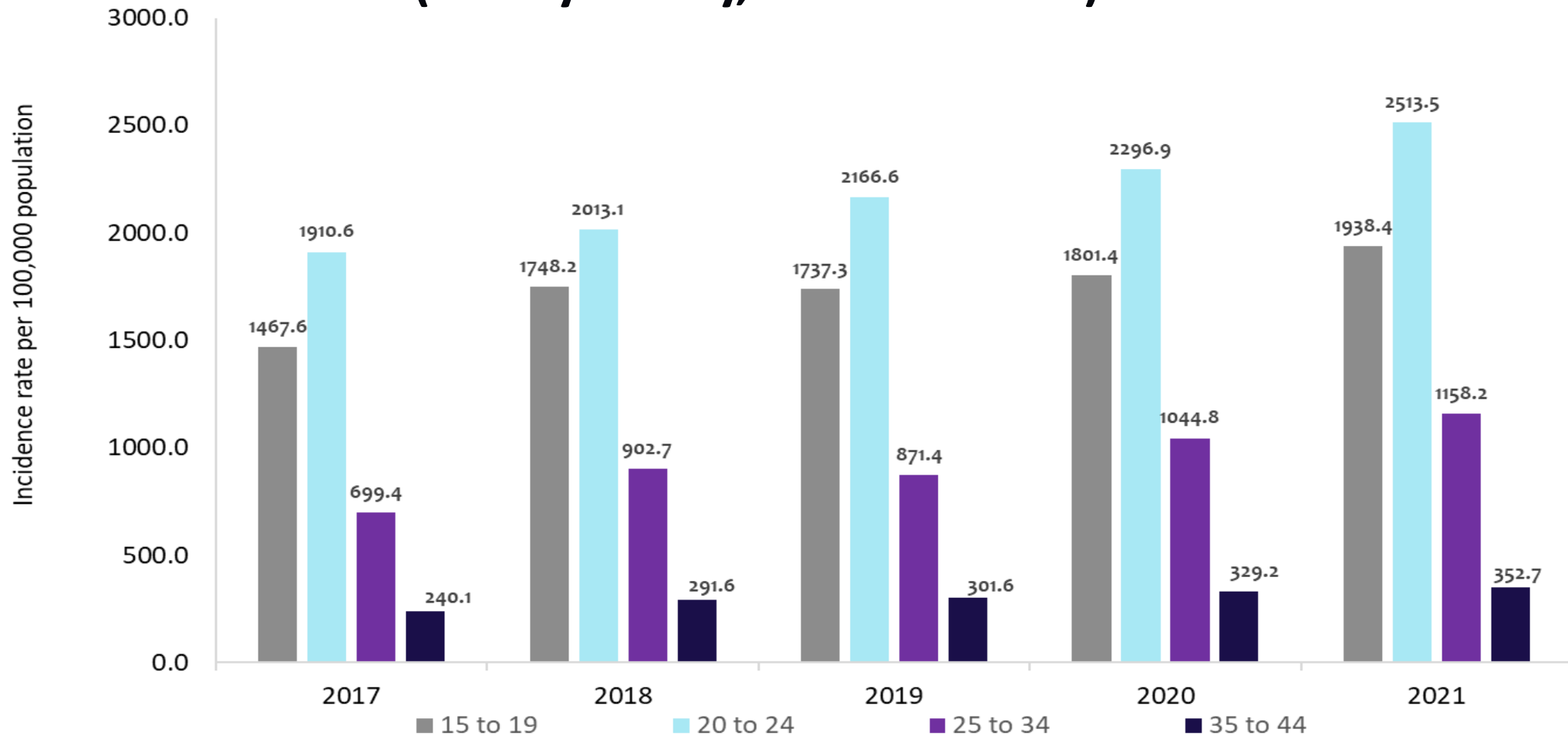
(Shelby County, TN 2021)

Male: **597.8** cases per 100,000

Female: **476.4** cases per 100,000

Males Gonorrhea Case Rate is **1.3 X** higher than Females

Gonorrhea Case Rates per 100,000 by Age (Shelby County, TN 2017 – 2021)



Data Source: PRISM. National Center for Health Statistics. Vintage 2020 Bridged-Race Postcensal Population Estimates.

Prepared by Shelby County Health Department (SCHD), Office of Epidemiology and Infectious Diseases.
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Gonorrhea Case Rates per 100,000 by Age

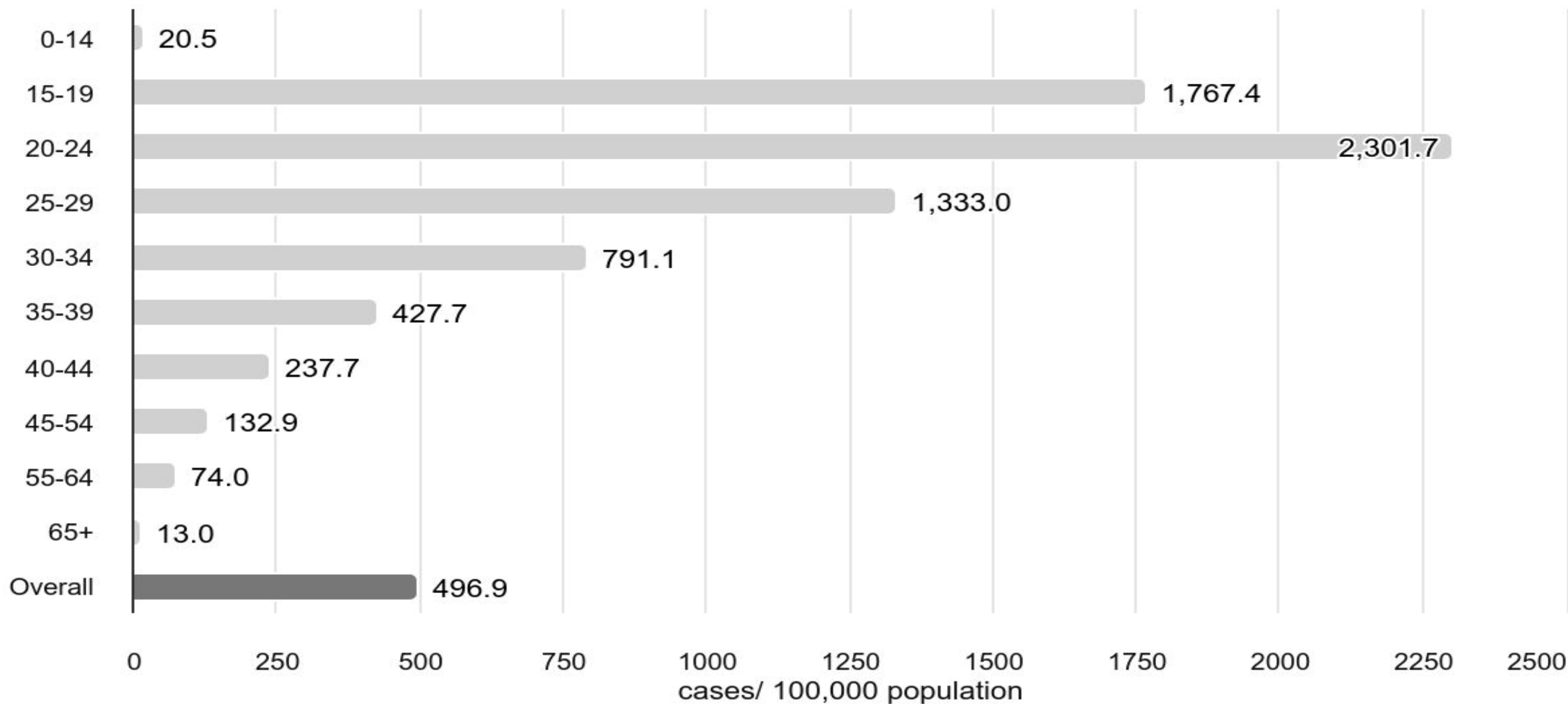
(Shelby County, TN 2021)

Ages 20-24: **2513.5** cases per 100,000 (highest rate)

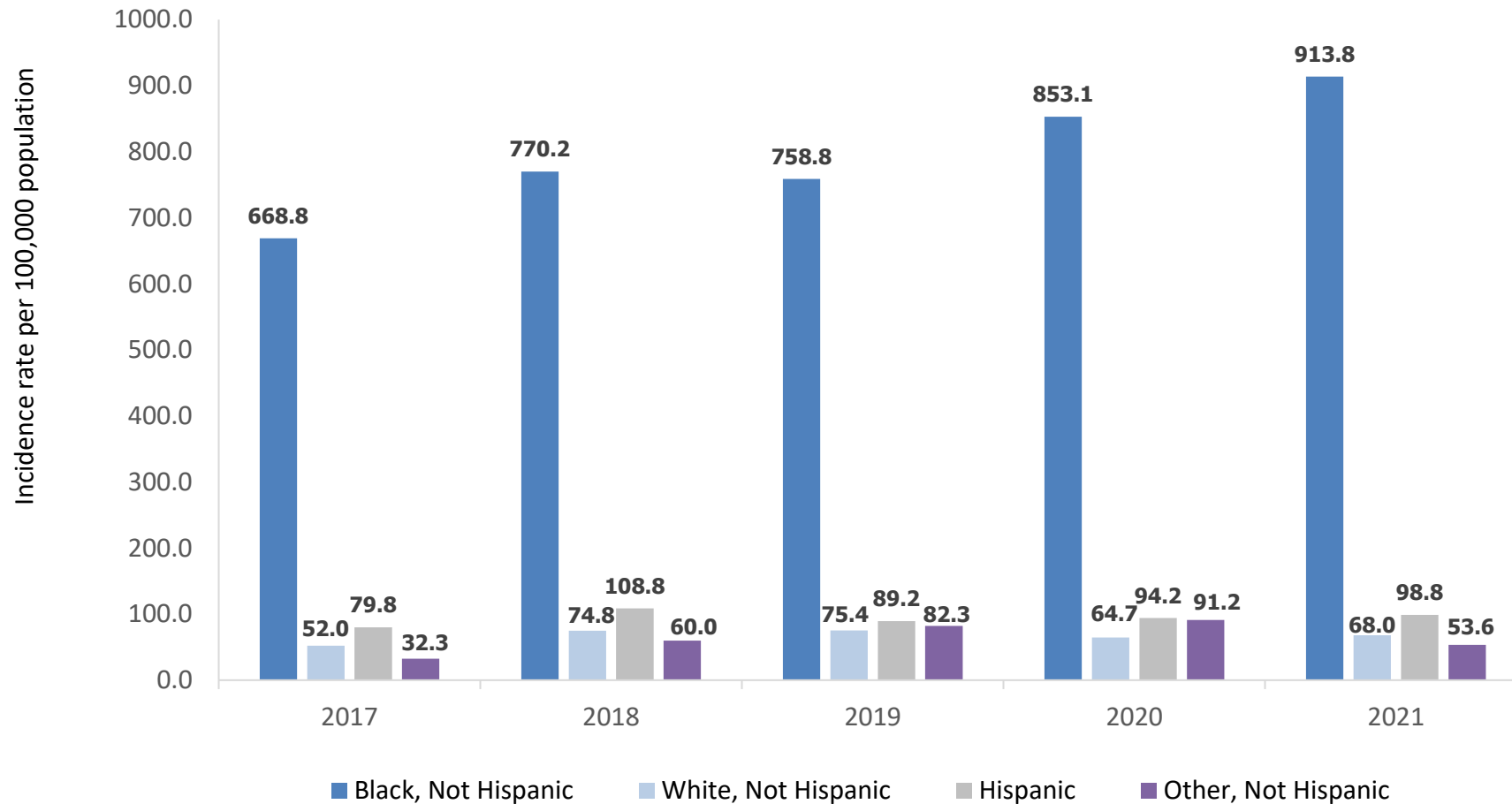
Ages 35-44: **352.7** cases per 100,000 (lowest rate)

Gonorrhea Case Rate for Ages 20-24 is **7.1 X** higher than
Ages 35-44

Gonorrhea Incidence Rate by Age County: Shelby



Gonorrhea Case Rates per 100,000 by Race (Shelby County, TN 2017 – 2021)



Data Source: PRISM. National Center for Health Statistics. Vintage 2020 Bridged-Race Postcensal Population Estimates.

Gonorrhea Case Rates per 100,000 by Race

(Shelby County, TN 2021)

Blacks **913.8** per 100,000

Whites **68.0** per 100,000

Gonorrhea Case Rates in Blacks is **13.4 X** that of Whites

Gonorrhea Case Rates per 100,000 by Race

(Shelby County, TN 2021)

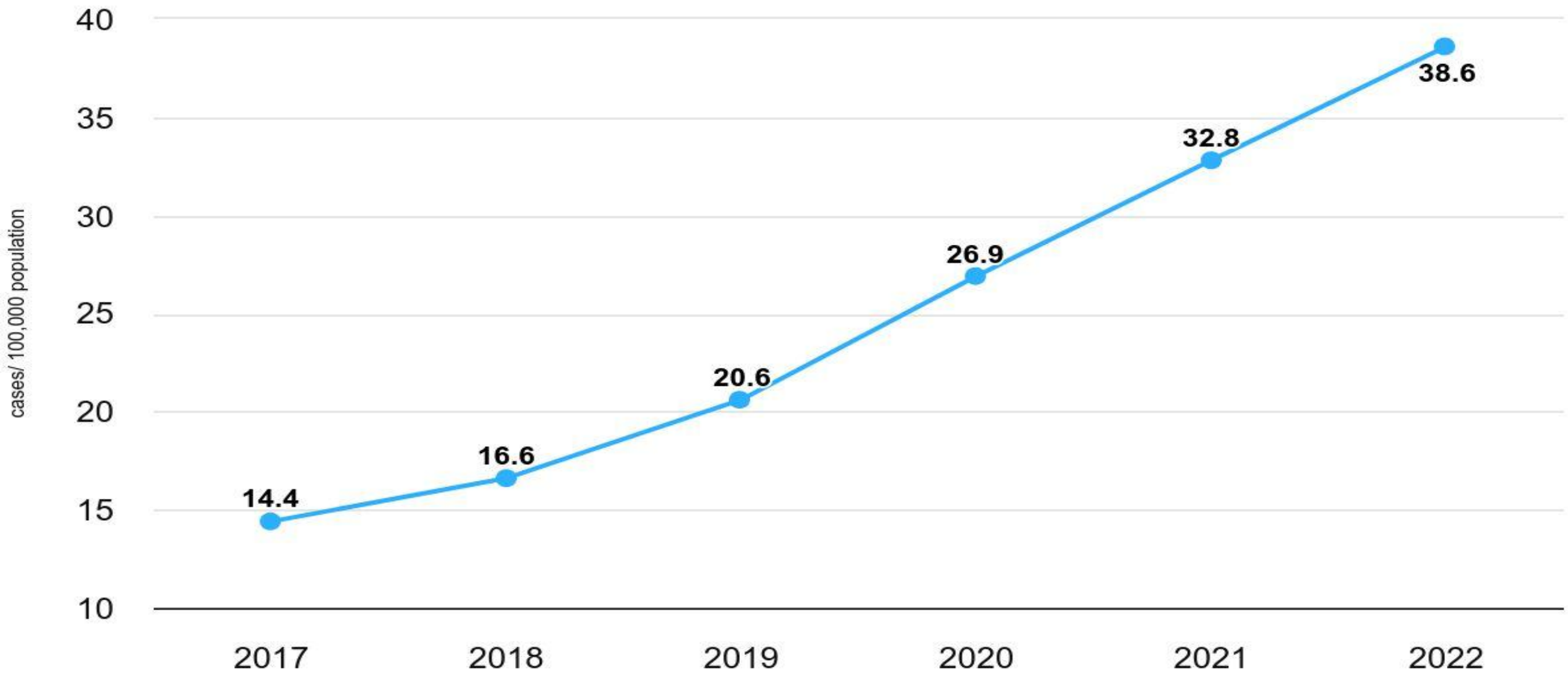
Blacks **913.8** per 100,000

Hispanics **98.8** per 100,000

Gonorrhea Case Rates in Blacks is **9.2 X** that of Hispanics

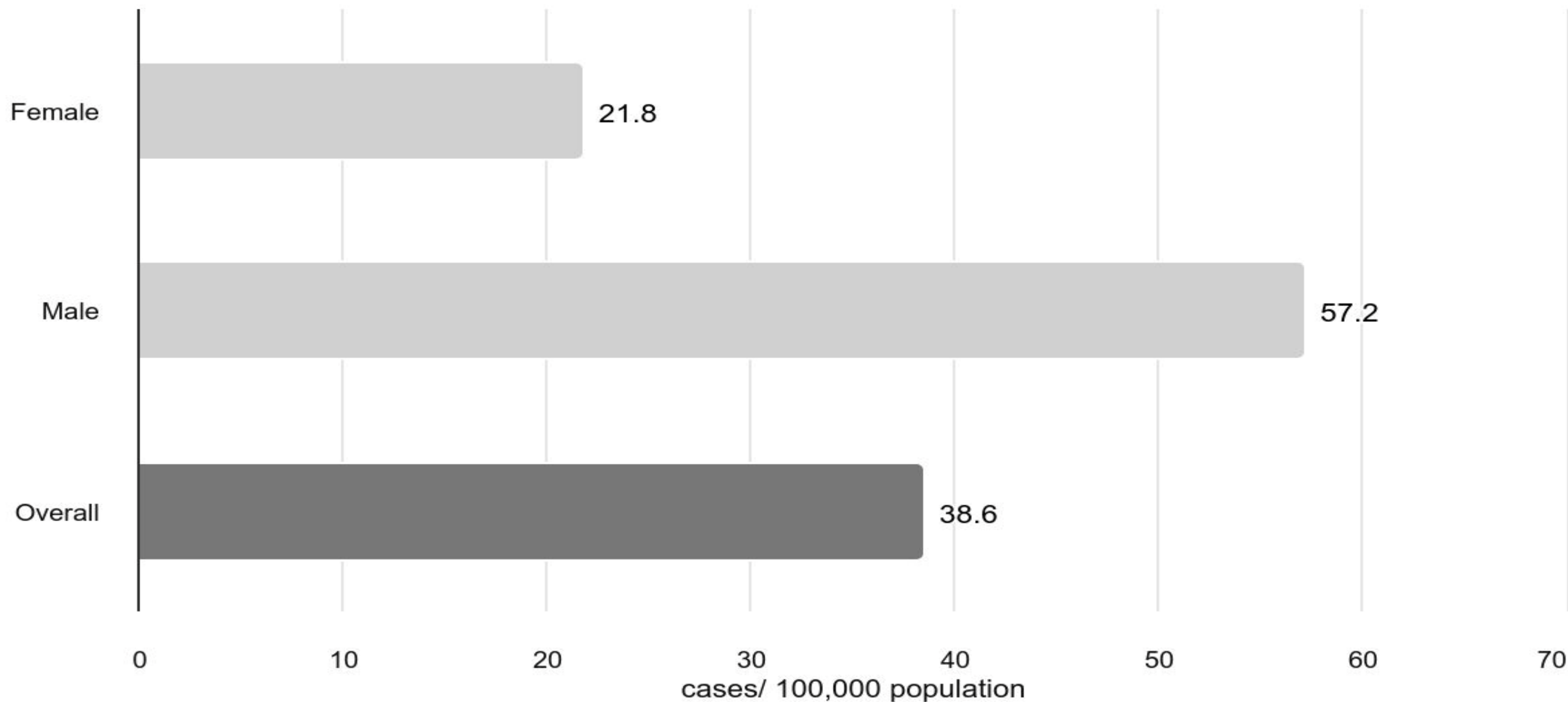
SYPHILIS

Syphilis Incidence Rate County: Shelby

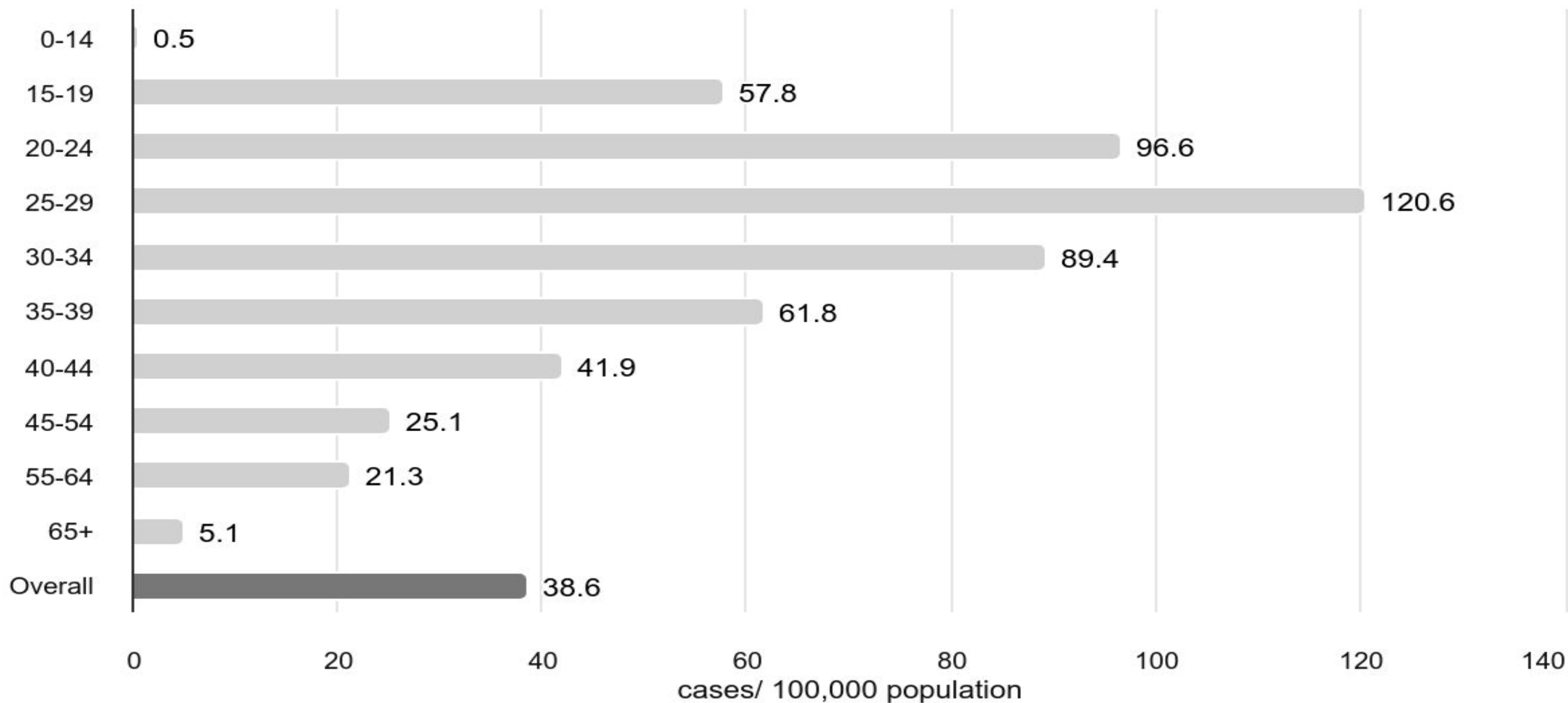


Source: National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention (2022)

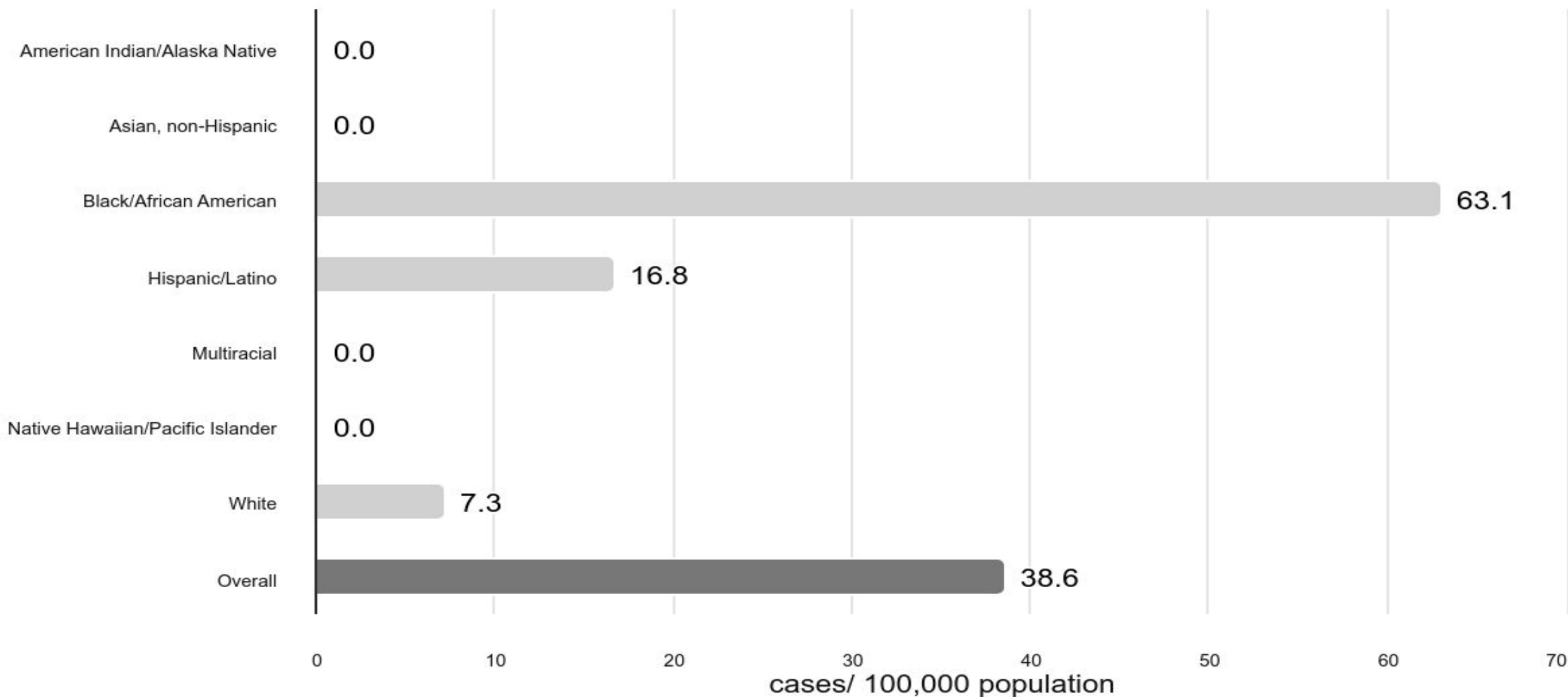
Syphilis Incidence Rate by Gender County: Shelby



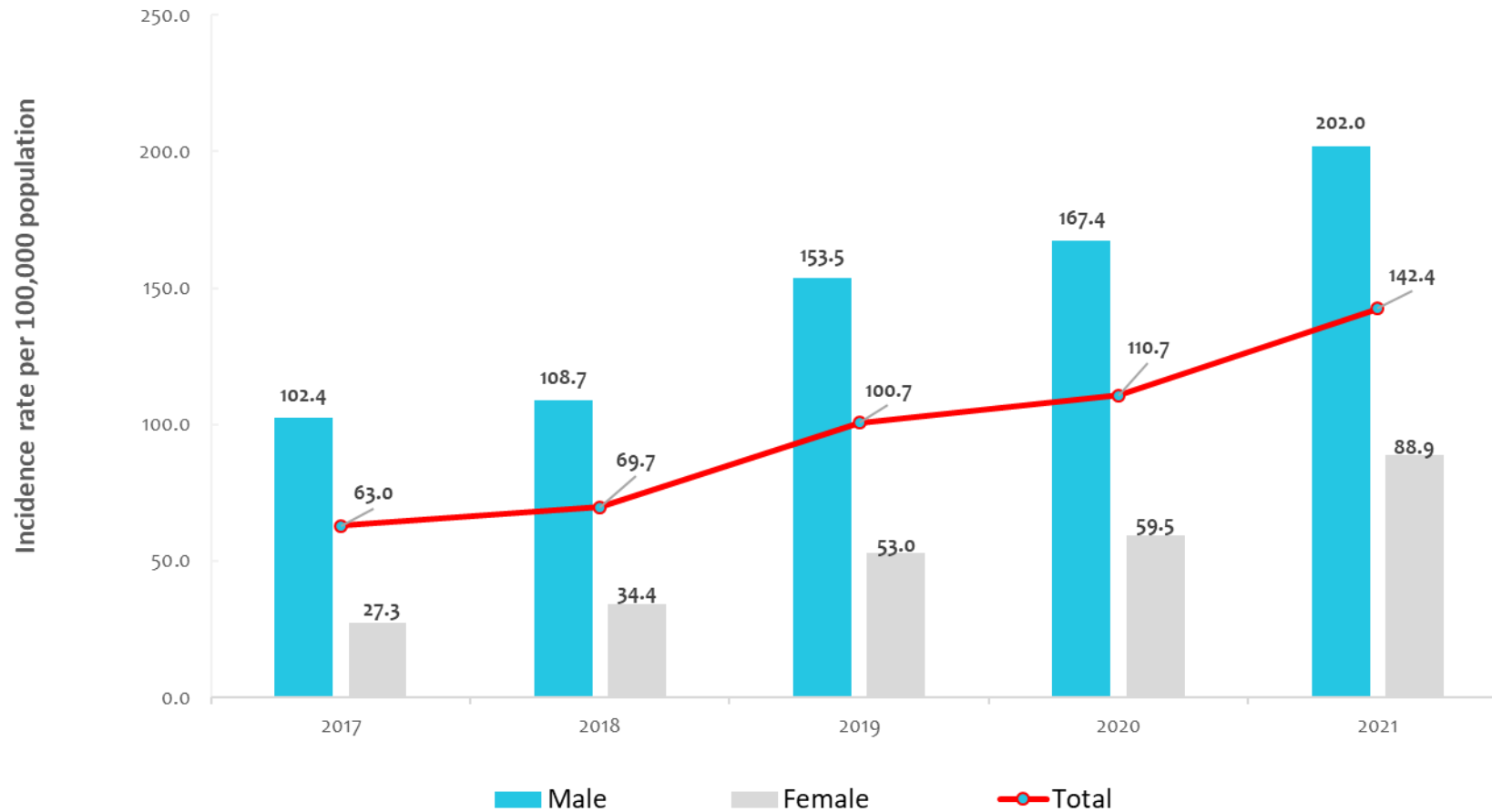
Syphilis Incidence Rate by Age County: Shelby



Syphilis Incidence Rate by Race/Ethnicity County: Shelby



Syphilis Case Rates per 100,000 by Sex (Shelby County, TN 2017 – 2021)



Data Source: PRISM. National Center for Health Statistics. Vintage 2020 Bridged-Race Postcensal Population Estimates.

Syphilis Case Rates per 100,000 by Sex

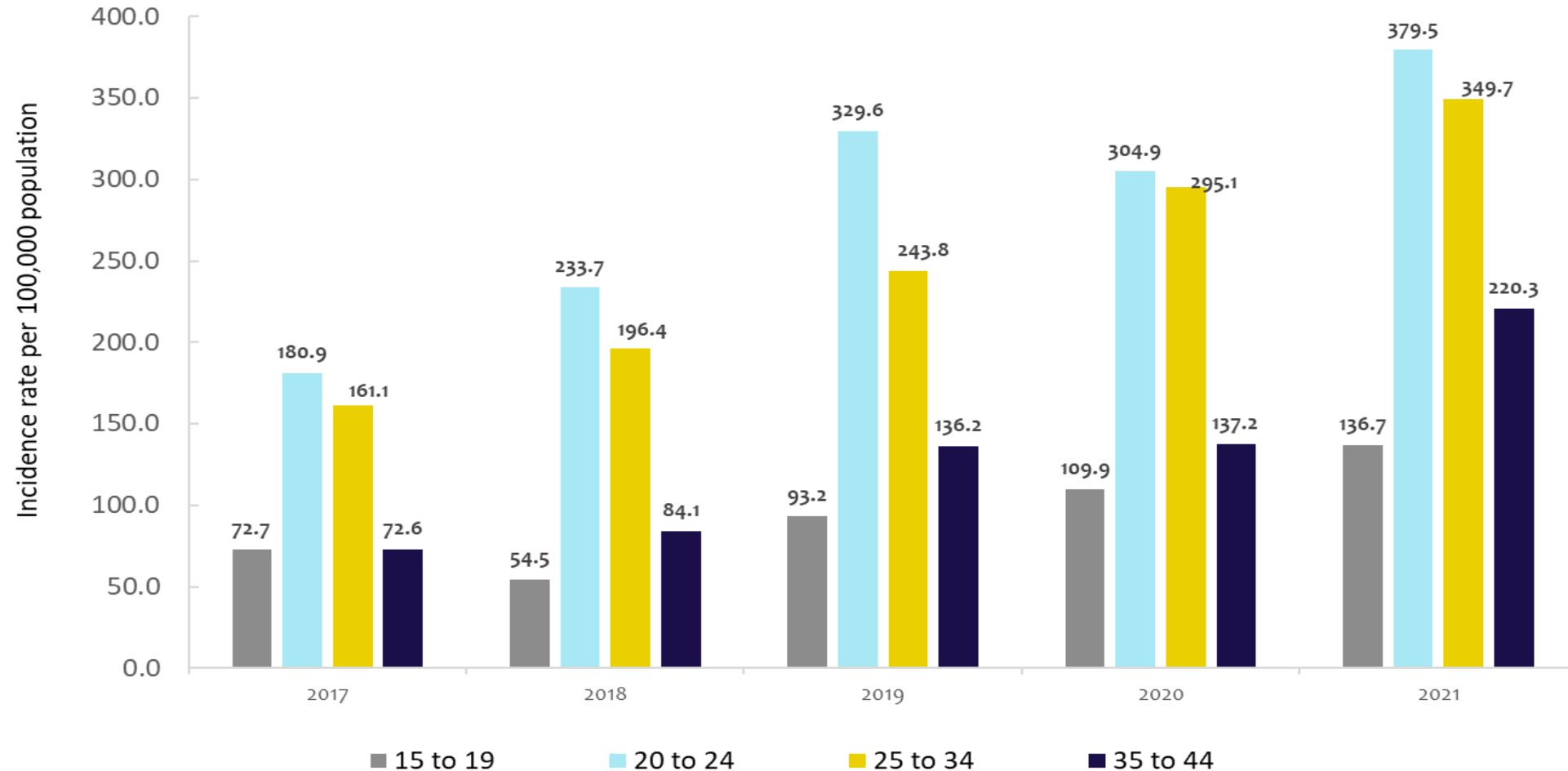
(Shelby County, TN 2021)

Male: **202.0** cases per 100,000

Female: **88.9** cases per 100,000

Males Syphilis Case Rate is **2.3 X** higher than Females

Syphilis Case Rates per 100,000 by Age (Shelby County, TN 2017 – 2021)



Data Source: PRISM. National Center for Health Statistics. Vintage 2020 Bridged-Race Postcensal Population Estimates.

Prepared by Shelby County Health Department (SCHD), Office of Epidemiology and Infectious Diseases.
Use of these data does not imply TDH agrees or disagrees with any presentations, analyses, interpretations or conclusions herein.

Syphilis Case Rates per 100,000 by Age

(Shelby County, TN 2021)

Ages 20-24: 379.5 cases per 100,000

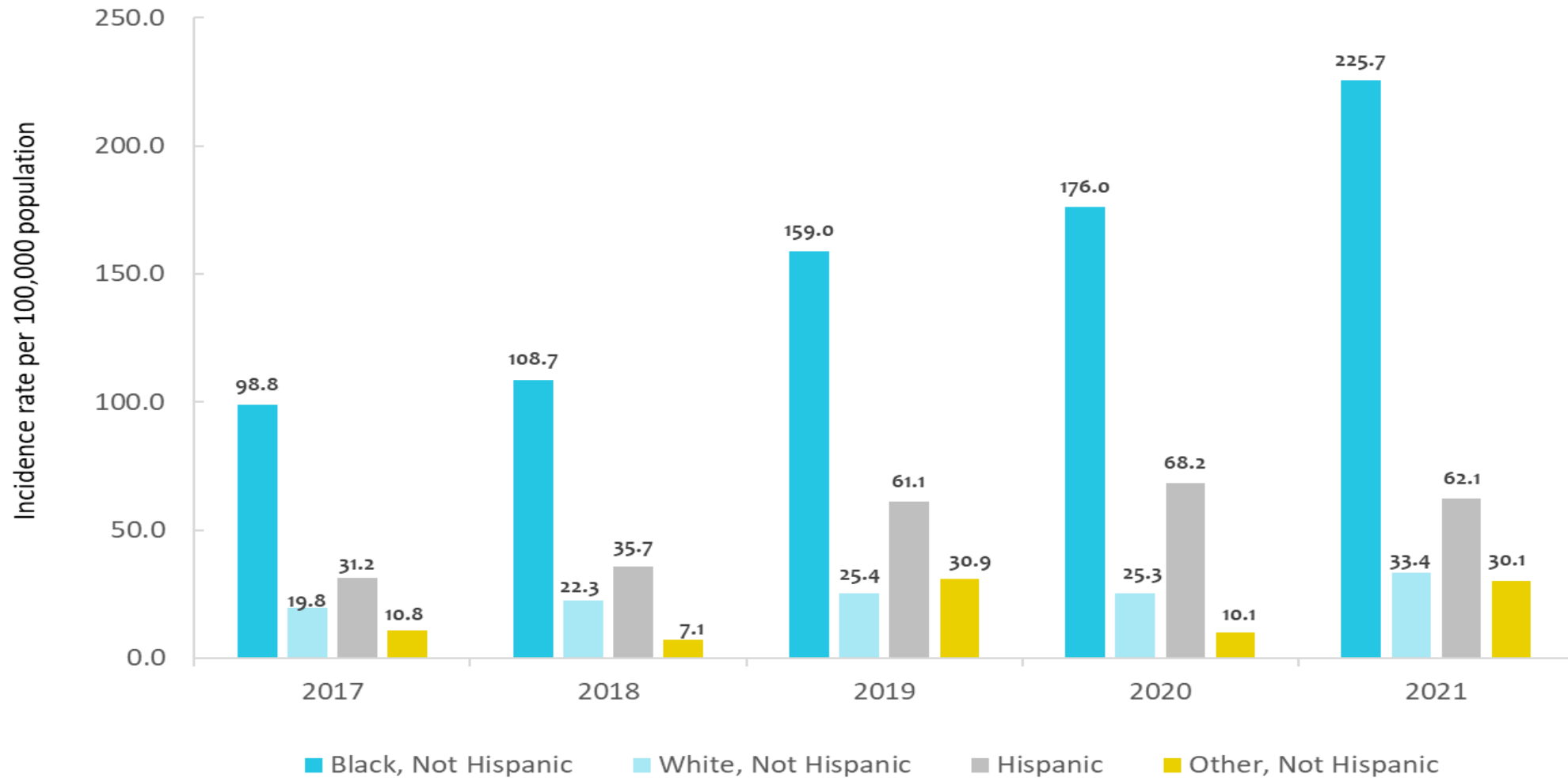
Ages 25-34: 349.7 cases per 100,000

Ages 35-44: 220.3 cases per 100,000

**Syphilis Case Rate for Ages 20-24 is 1.7 X higher than
Ages 35-44**

Syphilis Case Rates per 100,000 by Race

(Shelby County, TN 2017 – 2021)



Data Source: PRISM. National Center for Health Statistics. Vintage 2020 Bridged-Race Postcensal Population Estimates.

Prepared by Shelby County Health Department (SCHD), Office of Epidemiology and Infectious Diseases.
Use of these data does not imply TDH agrees or disagrees with any presentations, analyses, interpretations or conclusions herein.

Syphilis Rates per 100,000 by Race

(Shelby County, TN 2021)

Blacks **225.7** per 100,000

Whites **33.4** per 100,000

Syphilis Case Rates in Blacks is **6.8 X** that of Whites

Syphilis Rates per 100,000 by Race

(Shelby County, TN 2021)

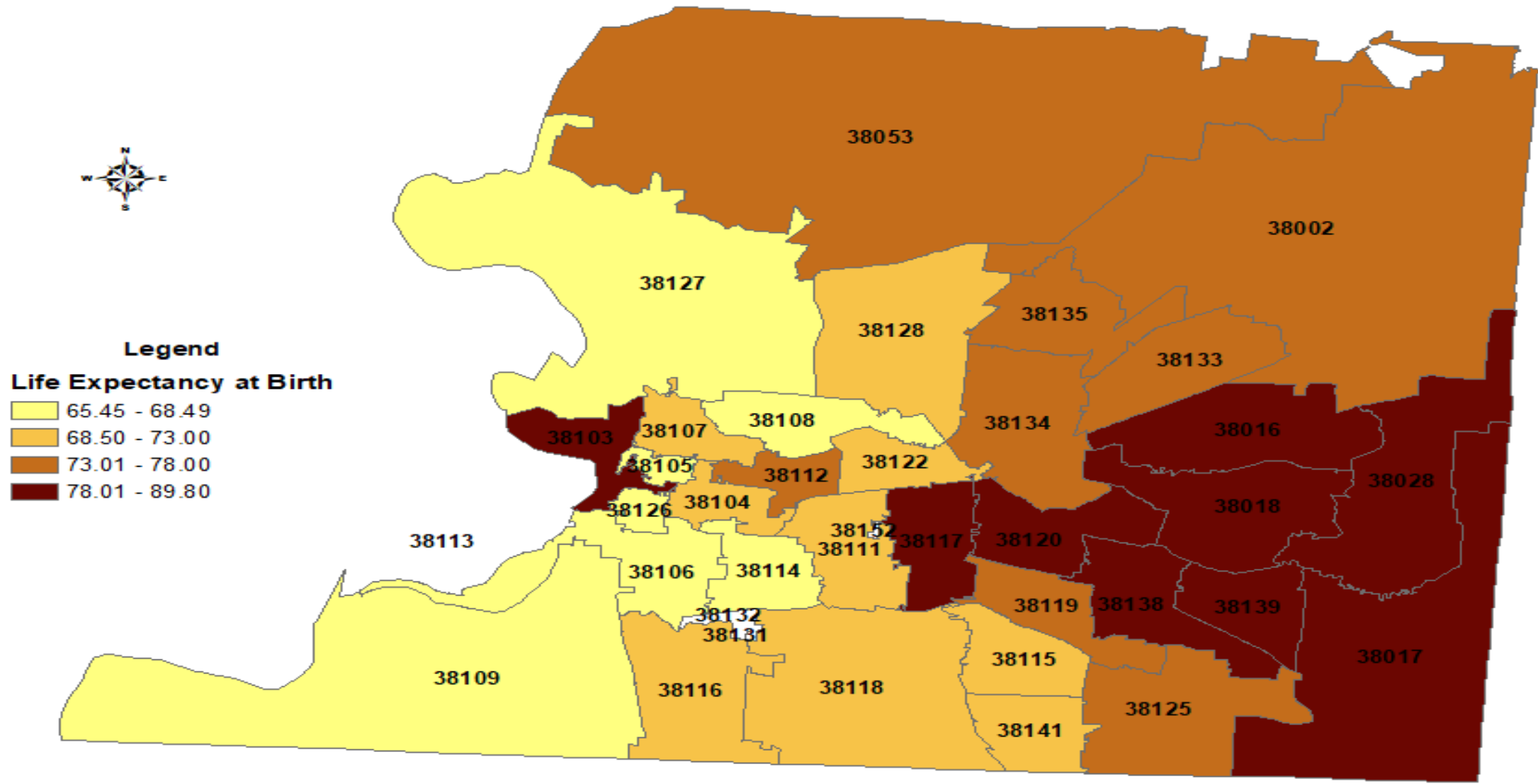
Blacks **225.7** per 100,000

Hispanics **62.1** per 100,000

Syphilis Case Rates in Blacks is **3.6 X** that of Hispanics

Maps of Health Disparities in Shelby County, TN

Life Expectancy at Birth in Shelby County TN 2016-2020

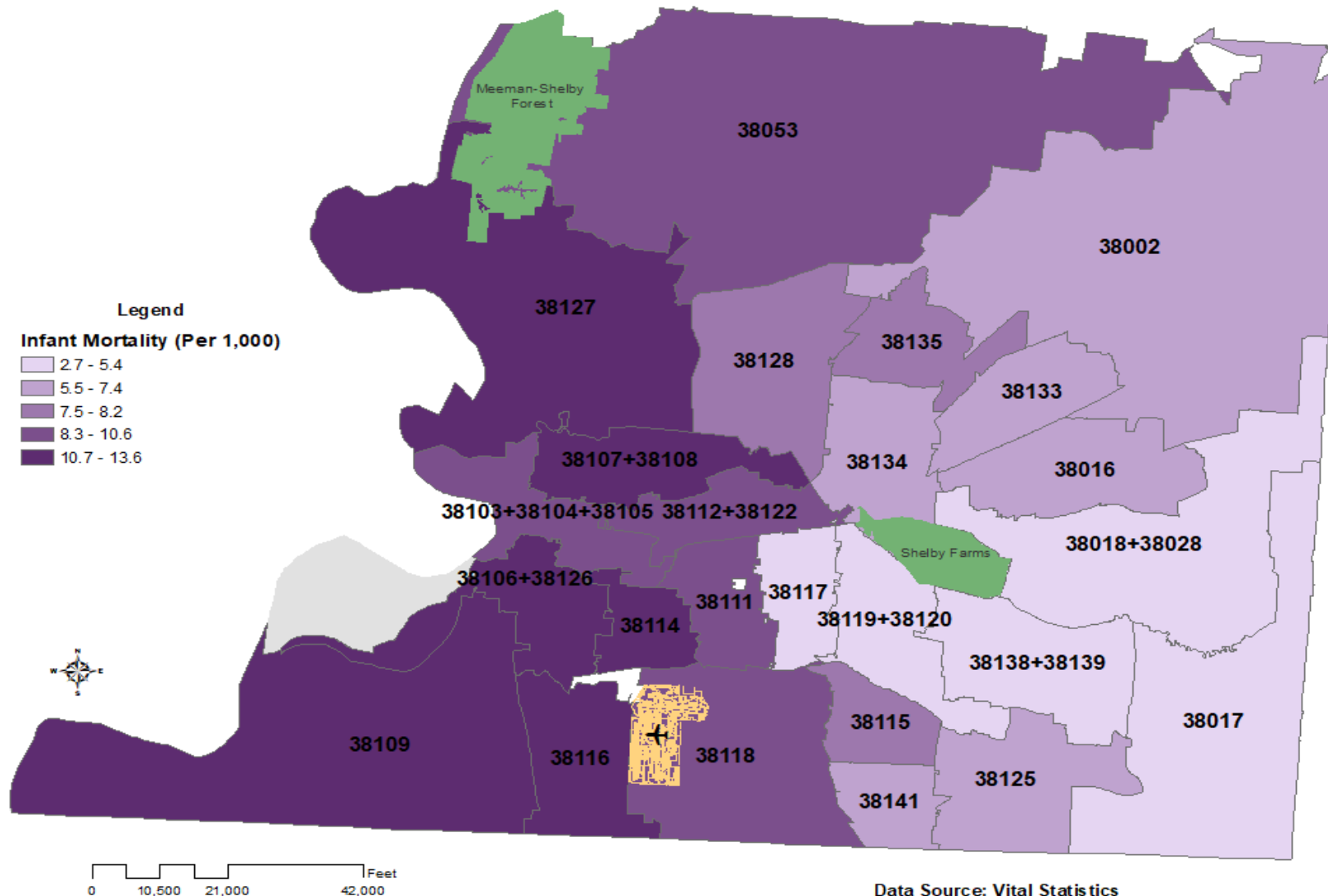


Data Source: Tennessee Department of Health, Office of Policy, Planning and Assessment, Division of Health Statistics, Death Certificate Files for Shelby County Residents, 2012–2020; United States Census, ACS 2016–2020 5-year population estimates. Use of these data does not imply TDH agrees or disagrees with any presentations, analyses, interpretations, or conclusions herein. Map Prepared by Shelby County Health Department (SCHD), Office of Epidemiology and Infectious Diseases.

0 12,500 25,000 50,000 Feet

Data Source: Vital Statistics, Death Certificate Data

Infant Mortality Rate, Shelby County, by Zip Code, 2015-2020



Data Source: Tennessee Department of Health, Office of Policy, Planning and Assessment, Division of Health Statistics, Birth and Death Certificate Files for Shelby County Residents, 2015–2020. Use of these data does not imply TDH agrees or disagrees with any presentations, analyses, interpretations or conclusions herein. Prepared by Shelby County Health Department (SCHD), Office of Epidemiology and Infectious Diseases 09/30/2022.



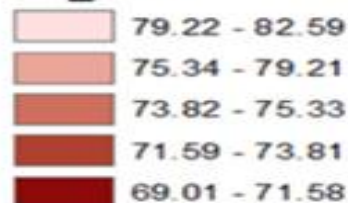
Public Health
Prevent. Promote. Protect.

Shelby County Health Department

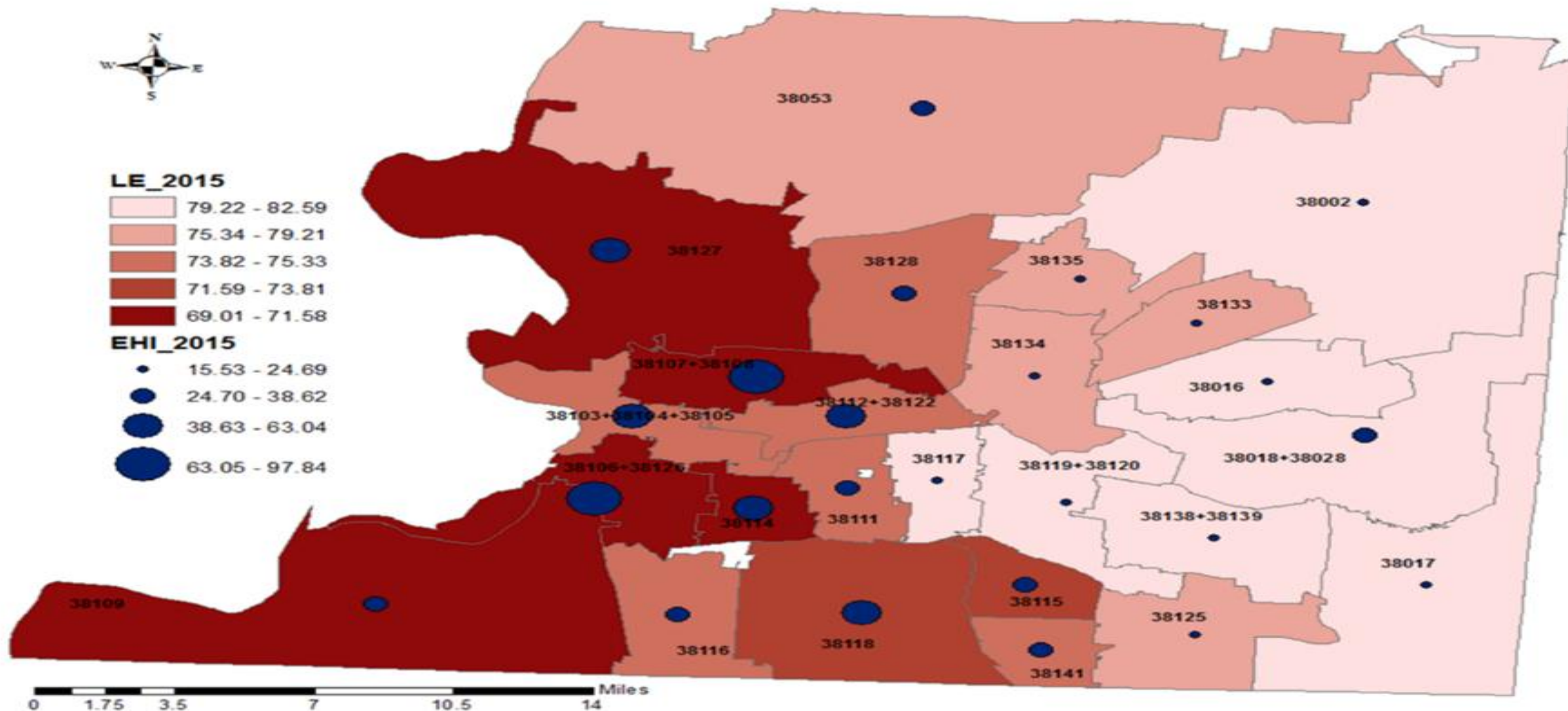
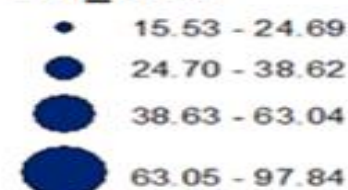
CORRELATION BETWEEN EHI AND LE IN SHELBY COUNTY TN ZIP CODES 2015



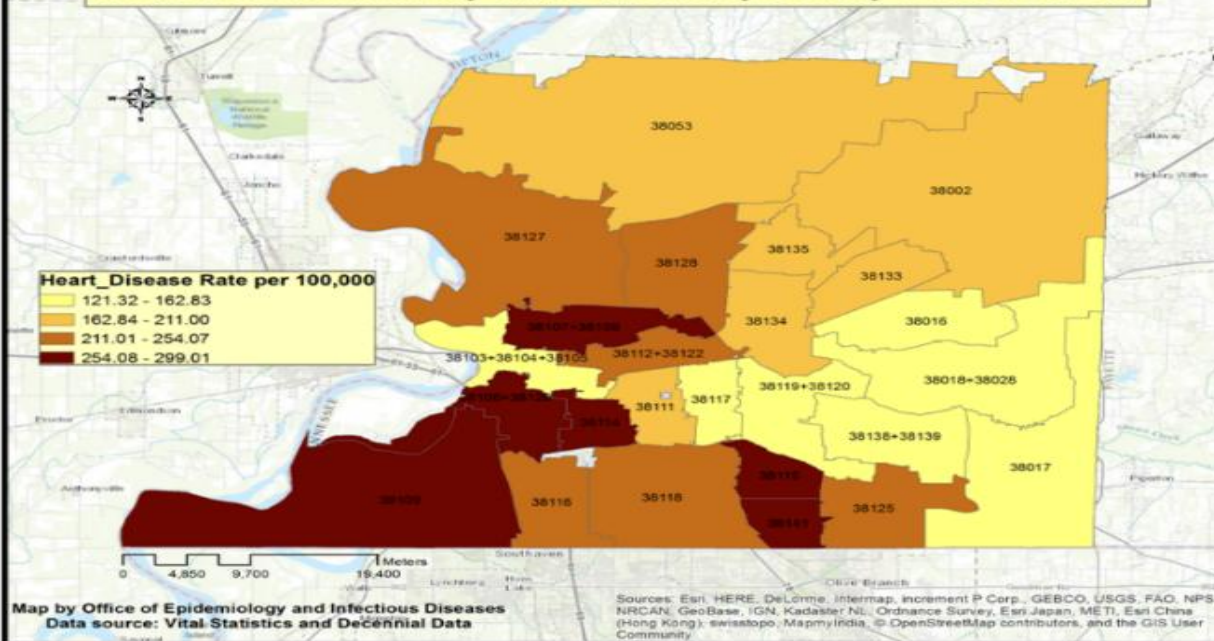
LE_2015



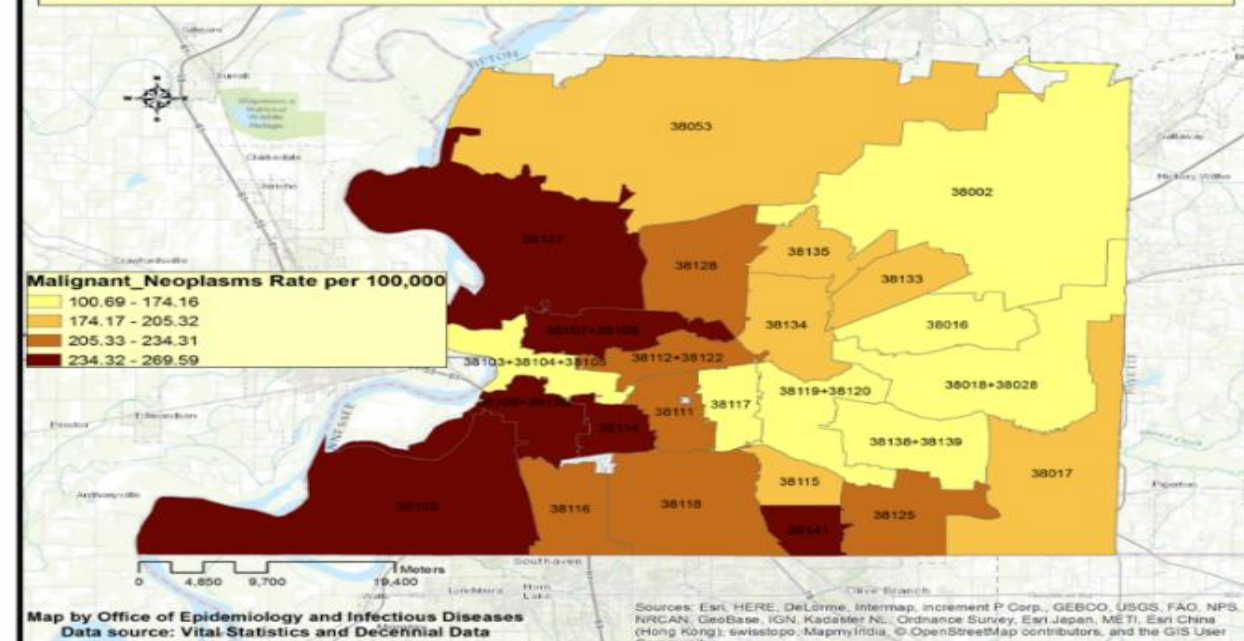
EHI_2015



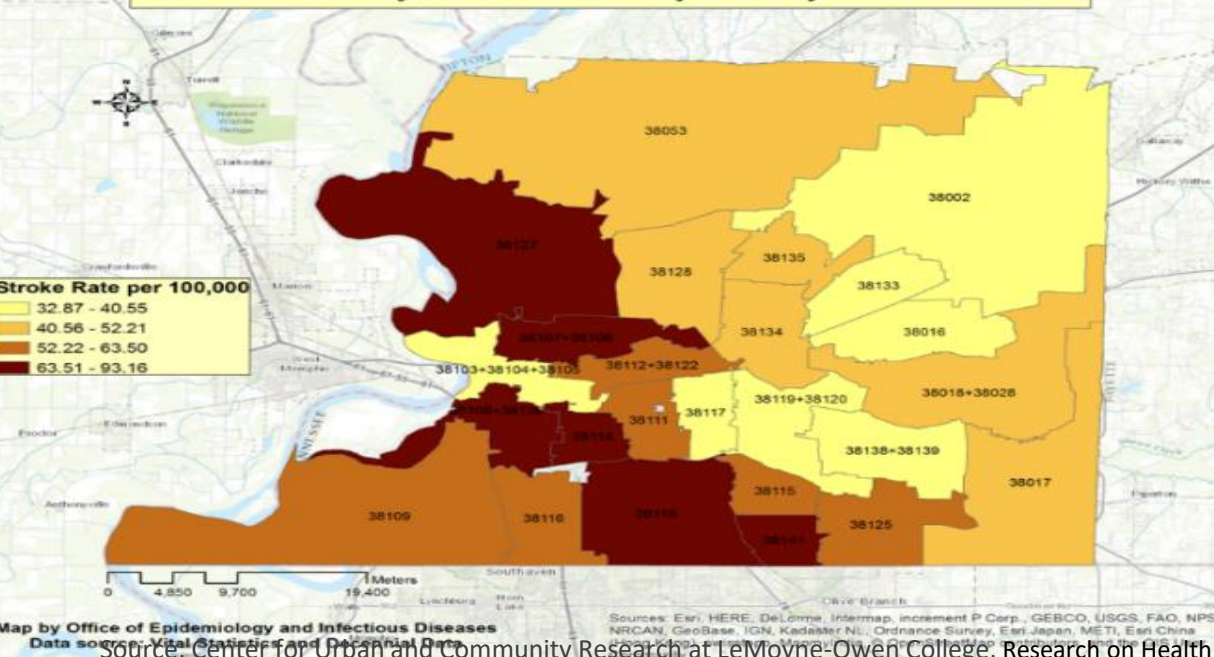
Heart Disease Mortality Rates in Shelby County TN 2010-2014



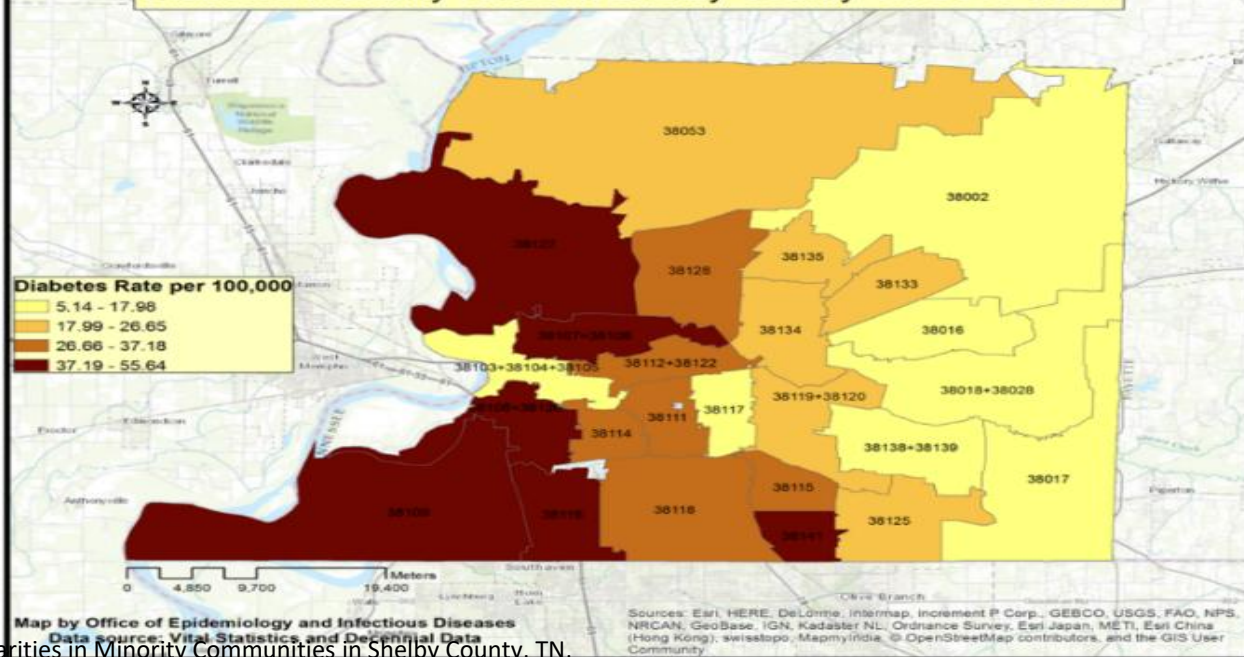
Malignant Neoplasms Mortality Rates in Shelby County TN 2010-2014



Stroke Mortality Rates in Shelby County TN 2010-2014



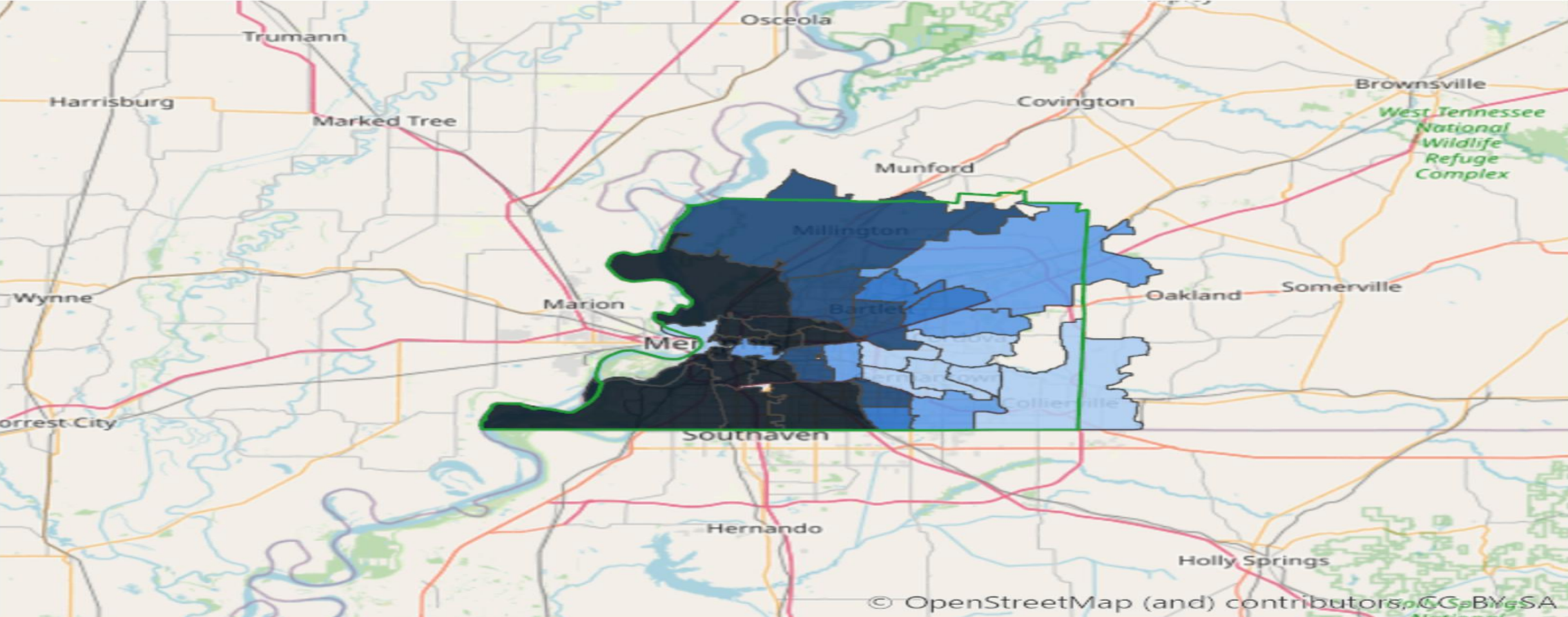
Diabetes Mortality Rates in Shelby County TN 2010-2014



2024 Health Equity Index

Zip Code: Shelby

Measurement Period: 2024
Data Source: Conduent Healthy Communities Institute



MAP LEGEND

greater need →



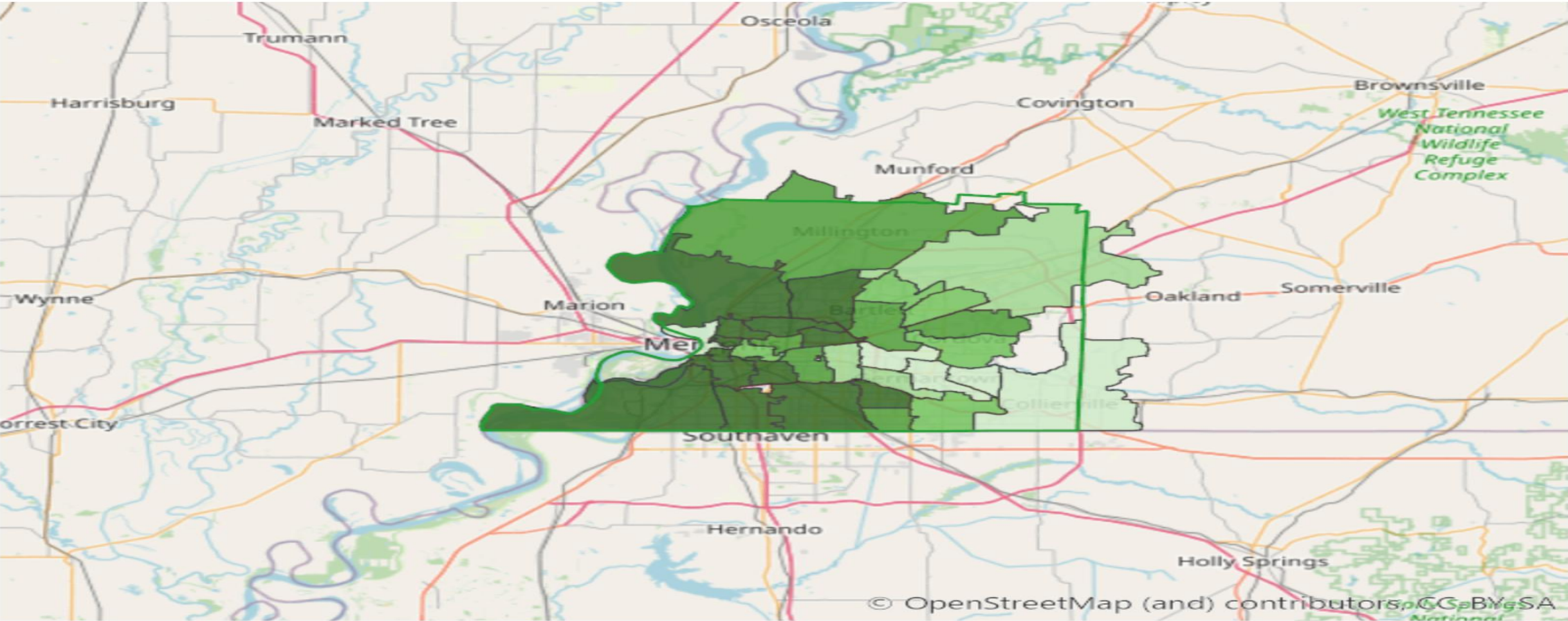
Index values are not comparable across measurement periods. Index values and rankings are specific to a measurement period, showing the relative ranking of a location in comparison to other similar locations at that time.

2024 Food Insecurity Index

Zip Code: Shelby

Measurement Period: 2024

Data Source: Conduent Healthy Communities Institute



MAP LEGEND

greater need →

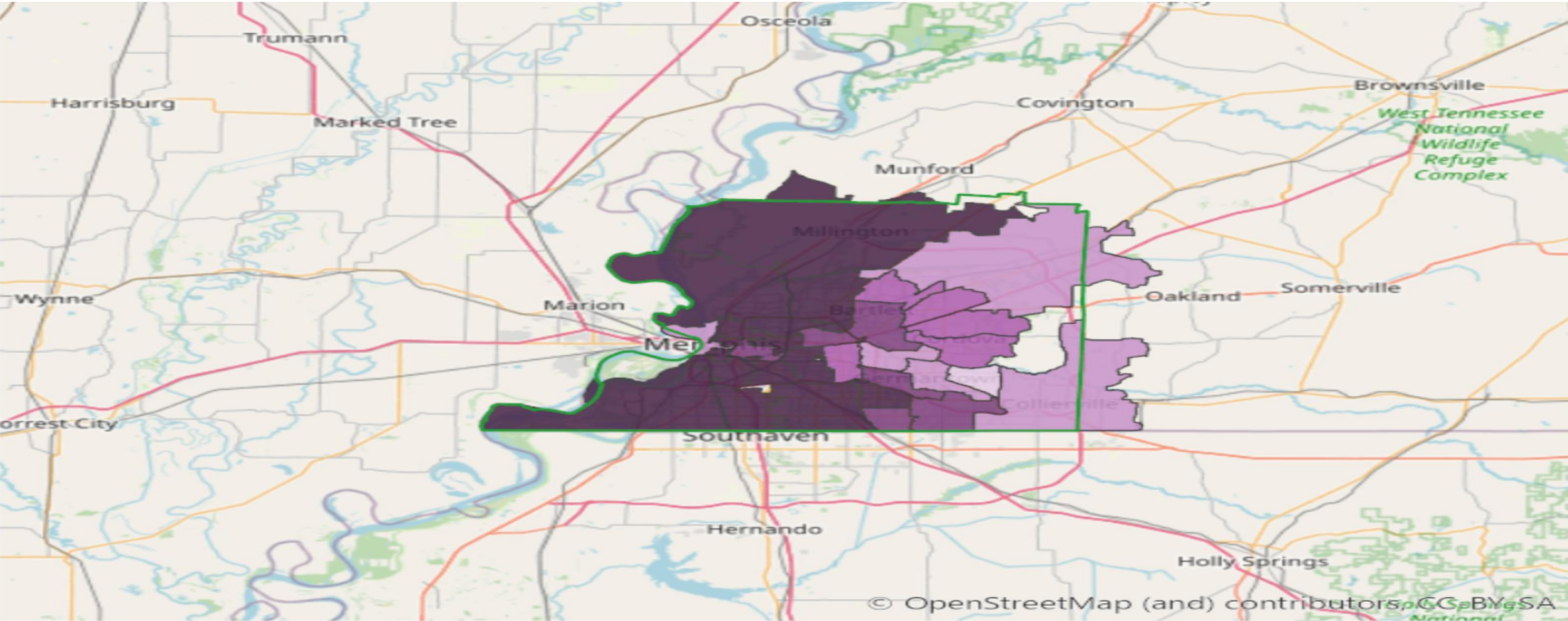


Index values are not comparable across measurement periods. Index values and rankings are specific to a measurement period, showing the relative ranking of a location in comparison to other similar locations at that time.

2024 Mental Health Index

Zip Code: Shelby

Measurement Period: 2024
Data Source: Conduent Healthy Communities Institute



MAP LEGEND

greater need →



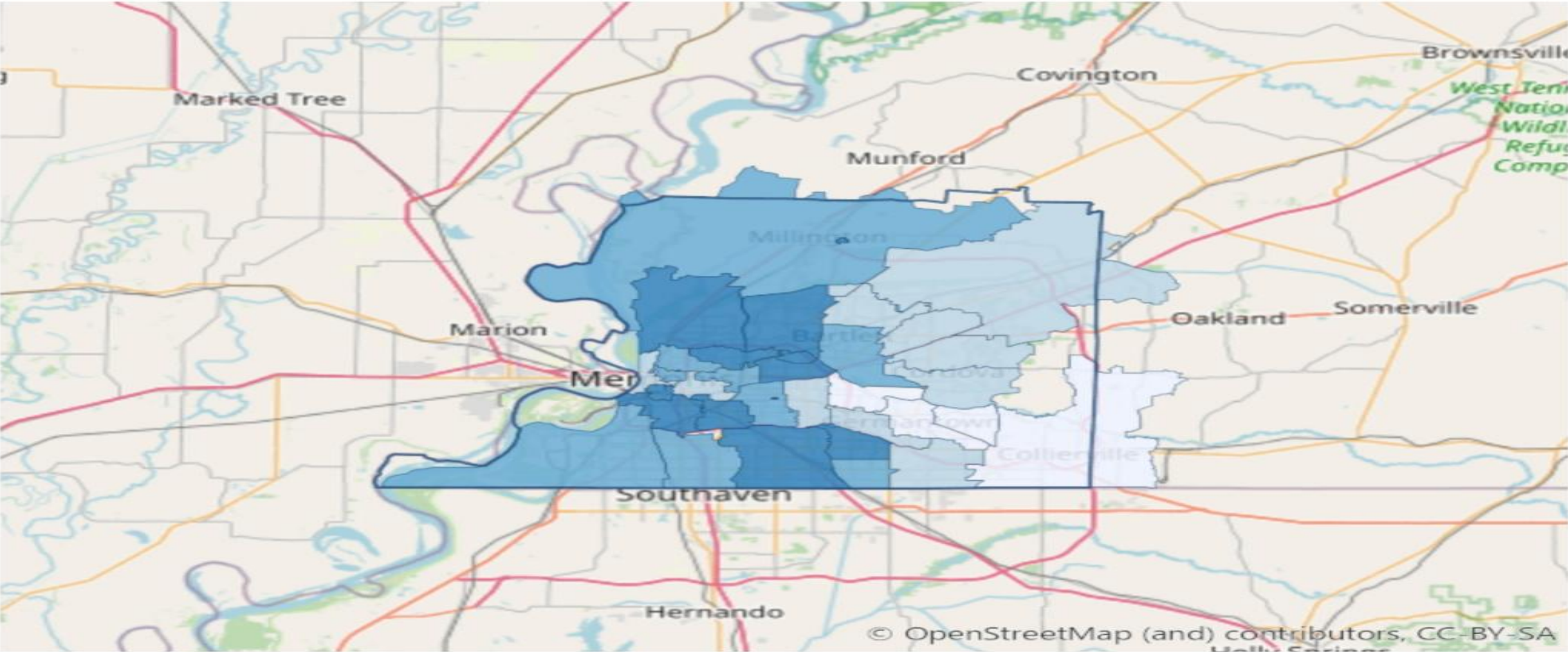
Index values are not comparable across measurement periods. Index values and rankings are specific to a measurement period, showing the relative ranking of a location in comparison to other similar locations at that time.

December 20, 2024

www.healthiershelby.com

Poor Mental Health: 14+ Days
Zip Code

Measurement Period: 2022
Data Source: CDC - PLACES

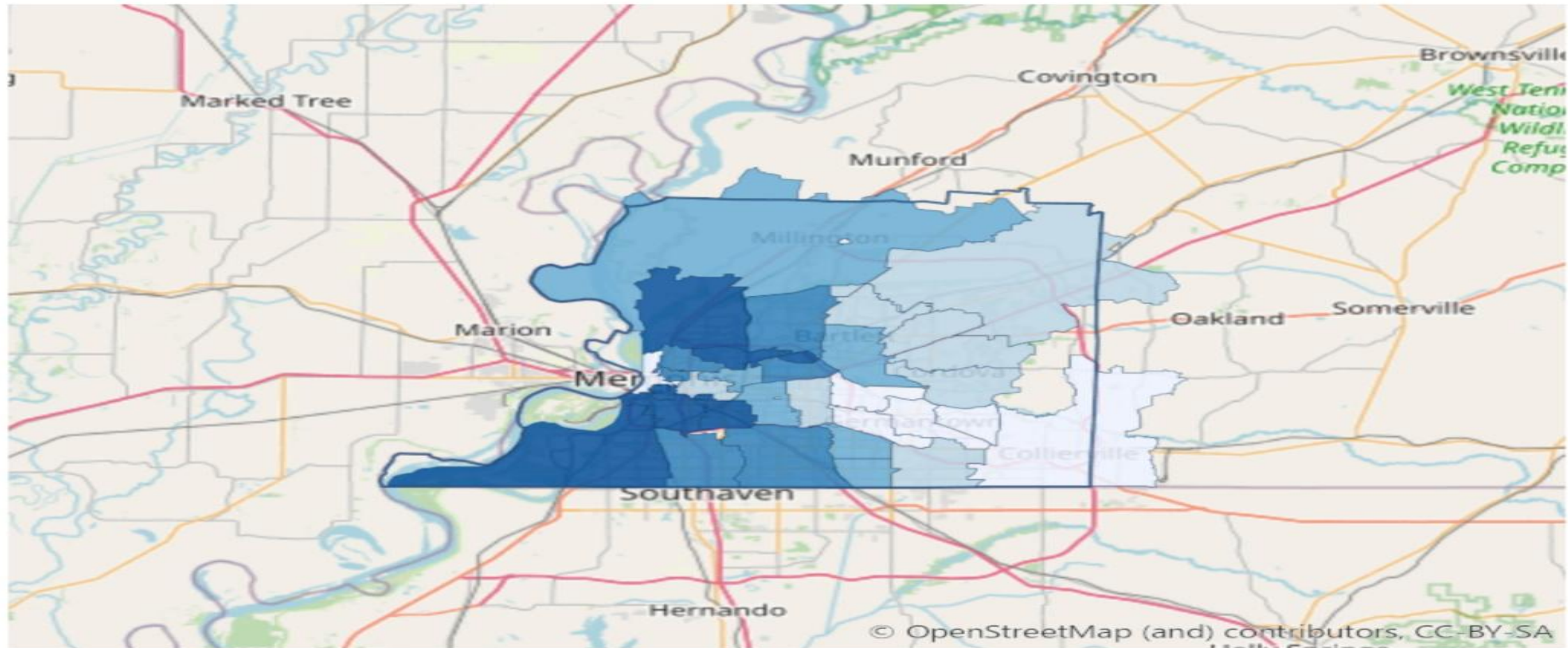


Poor Physical Health: 14+ Days

Zip Code

Measurement Period: 2022

Data Source: CDC - PLACES



9.4% - 11.3%



11.3% - 13.4%



13.4% - 16.4%



16.4% - 18.9%

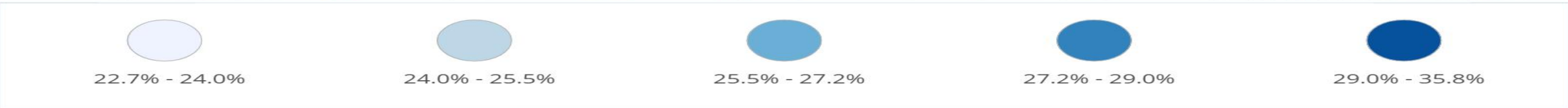
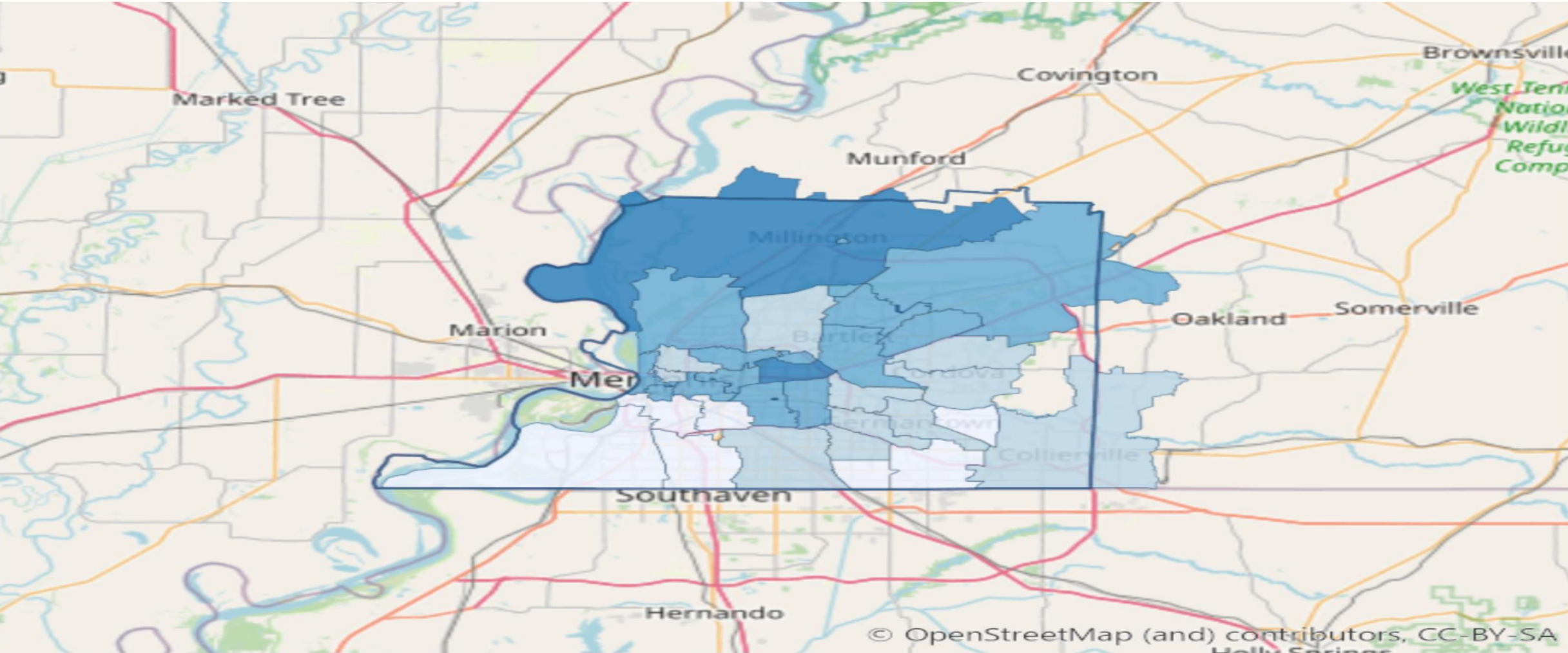


18.9% - 22.8%

Adults Ever Diagnosed with Depression

Zip Code

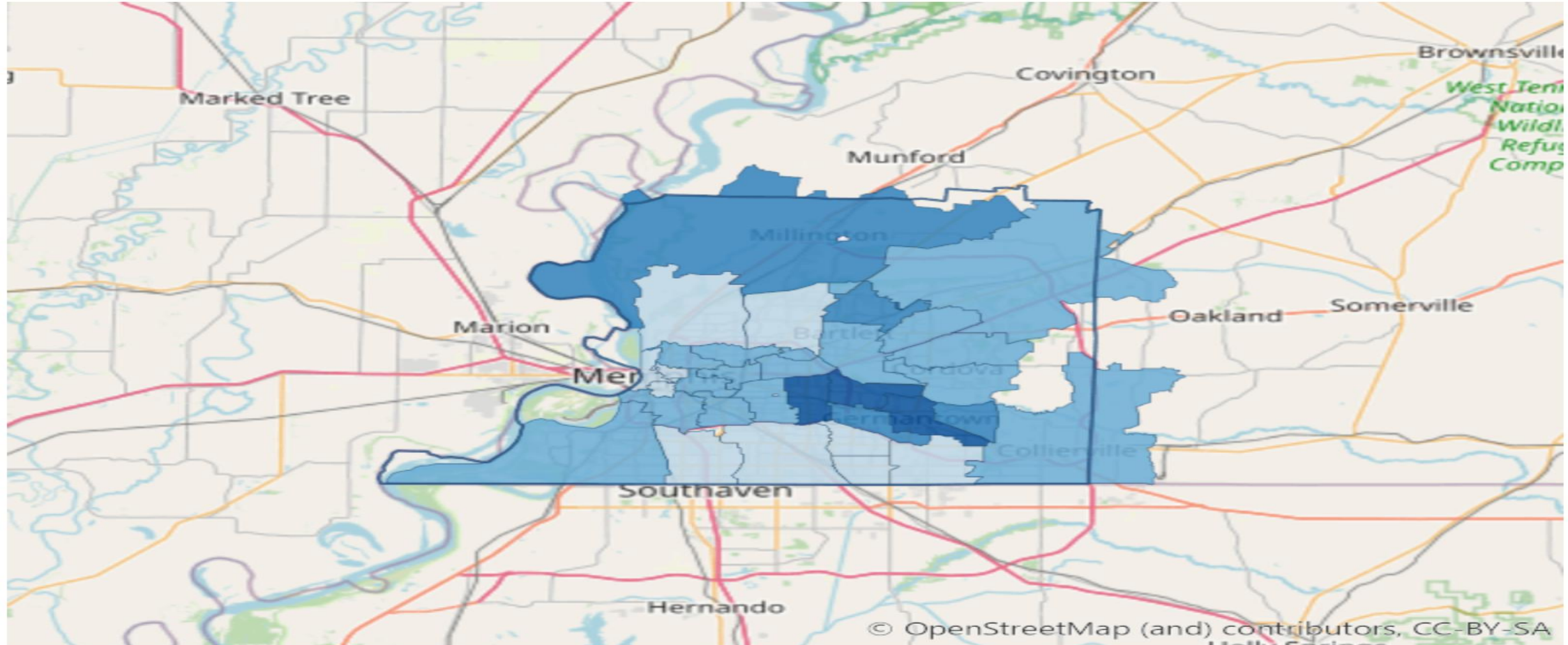
Measurement Period: 2022
Data Source: CDC - PLACES



Adults with Cancer

Zip Code

Measurement Period: 2021
Data Source: CDC - PLACES



0.7% - 1.4%



1.4% - 4.9%



4.9% - 6.3%



6.3% - 7.4%



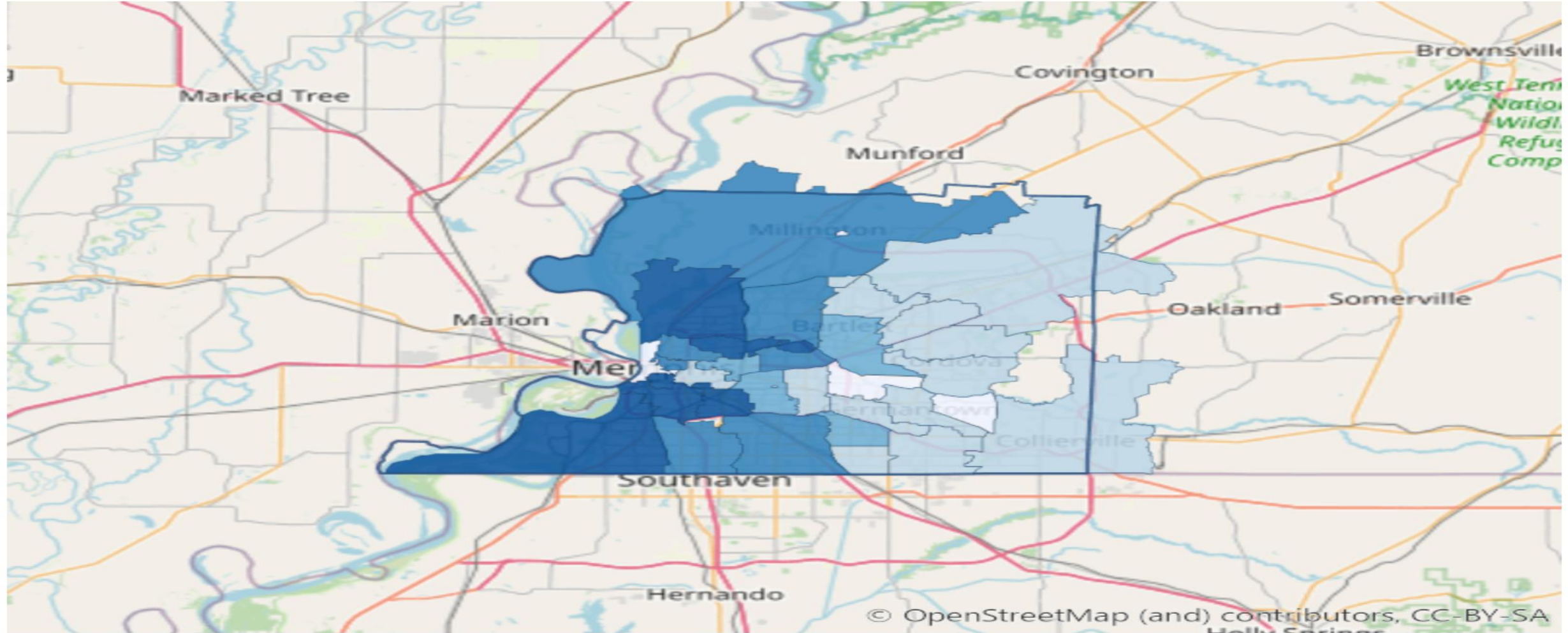
7.4% - 8.7%

Adults with COPD

Zip Code

Measurement Period: 2022

Data Source: CDC - PLACES

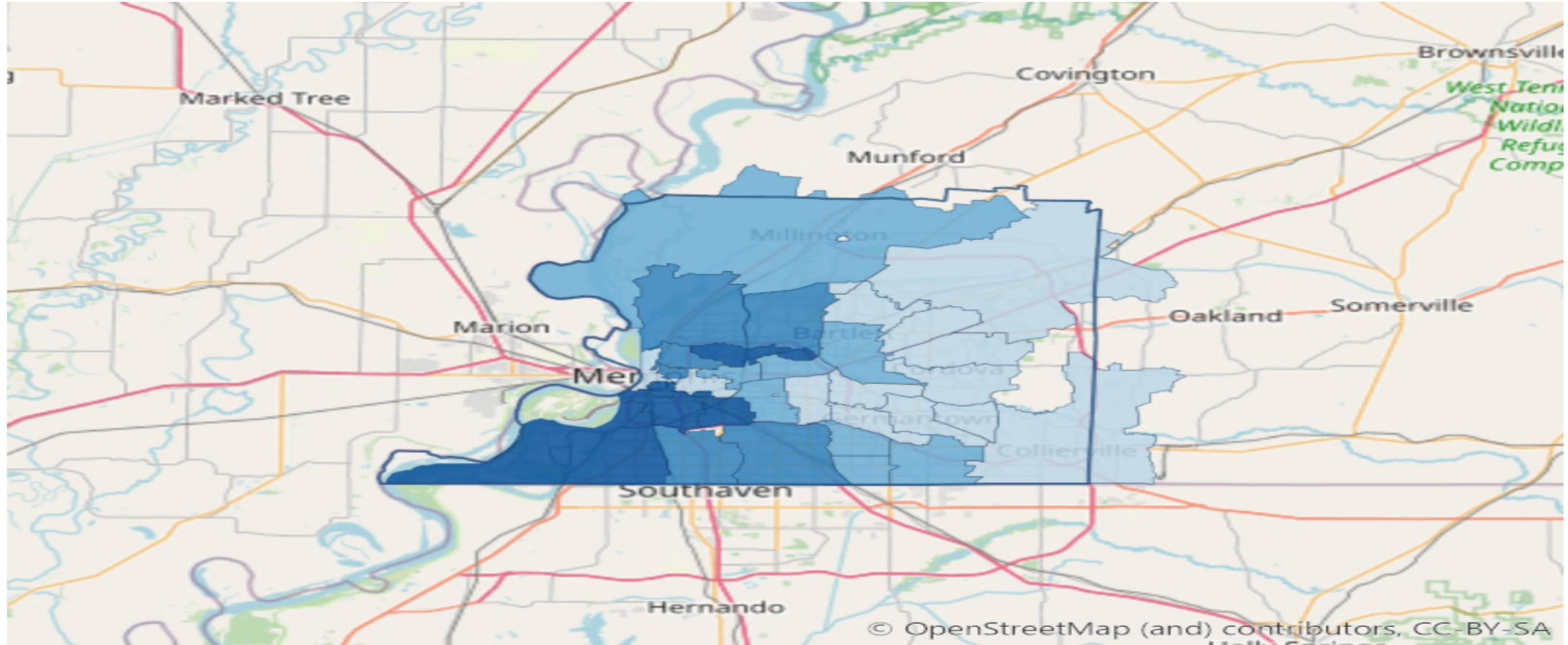


Adults with Diabetes

Zip Code

Measurement Period: 2022

Data Source: CDC - PLACES



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Holly Springs



2.9% - 6.4%



6.4% - 13.4%



13.4% - 16.7%



16.7% - 22.7%



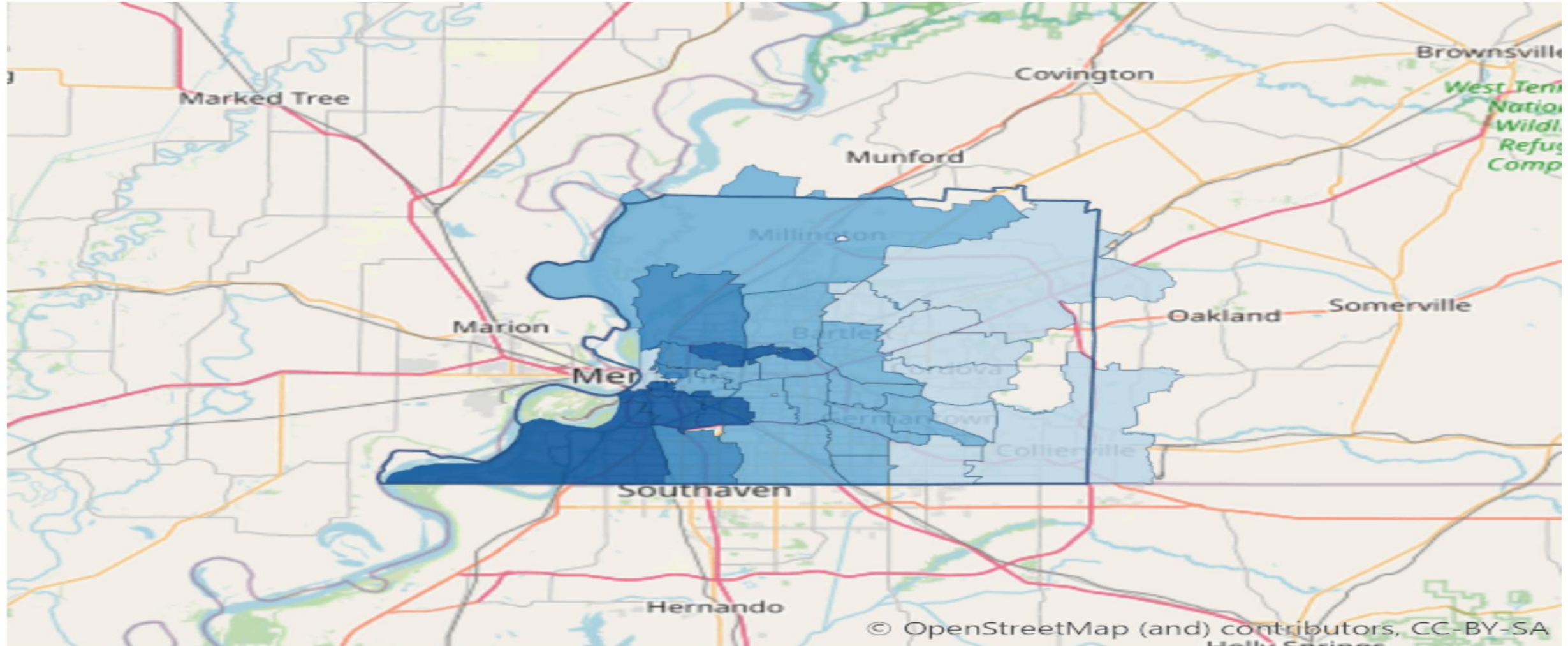
22.7% - 27.7%

Adults with Kidney Disease

Zip Code

Measurement Period: 2021

Data Source: CDC - PLACES



0.8% - 1.0%



1.0% - 2.6%



2.6% - 3.4%



3.4% - 4.4%



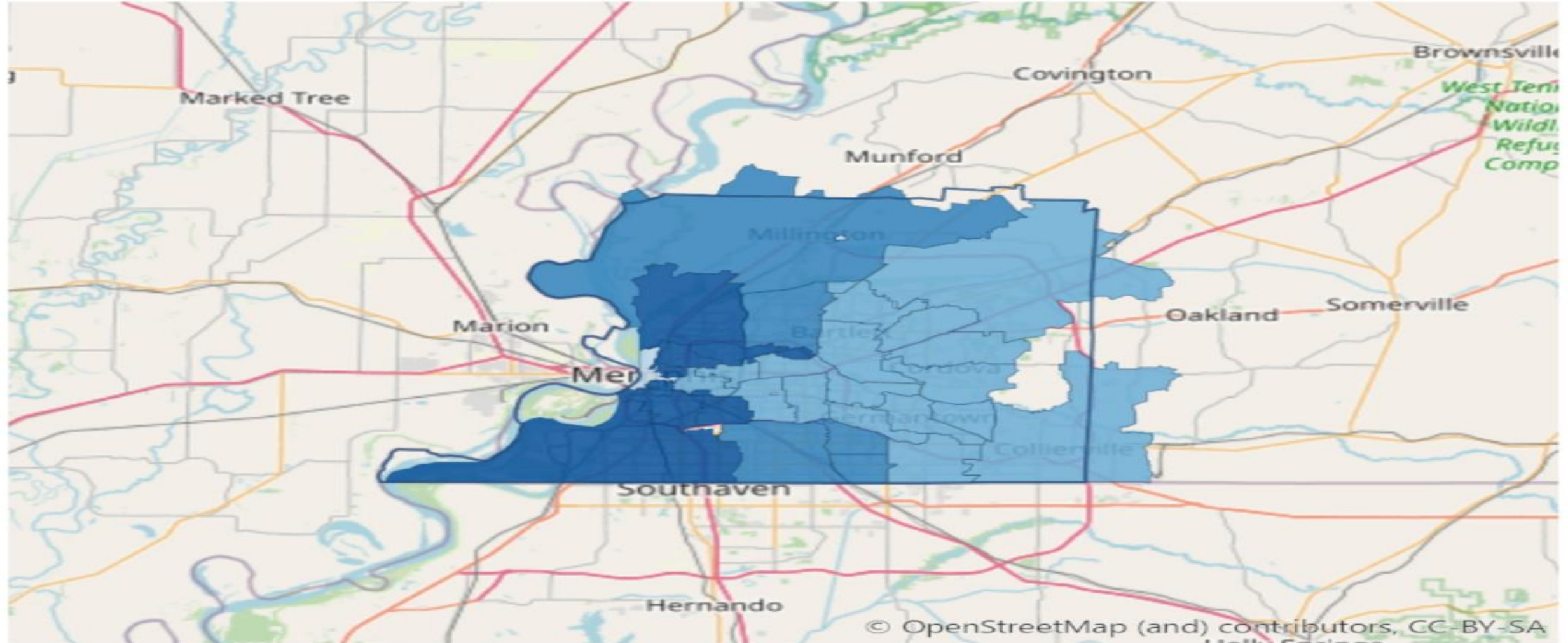
4.4% - 5.4%

High Blood Pressure Prevalence

Zip Code

Measurement Period: 2021

Data Source: CDC - PLACES



11.7%



11.7% - 29.4%



29.4% - 39.4%



39.4% - 45.5%



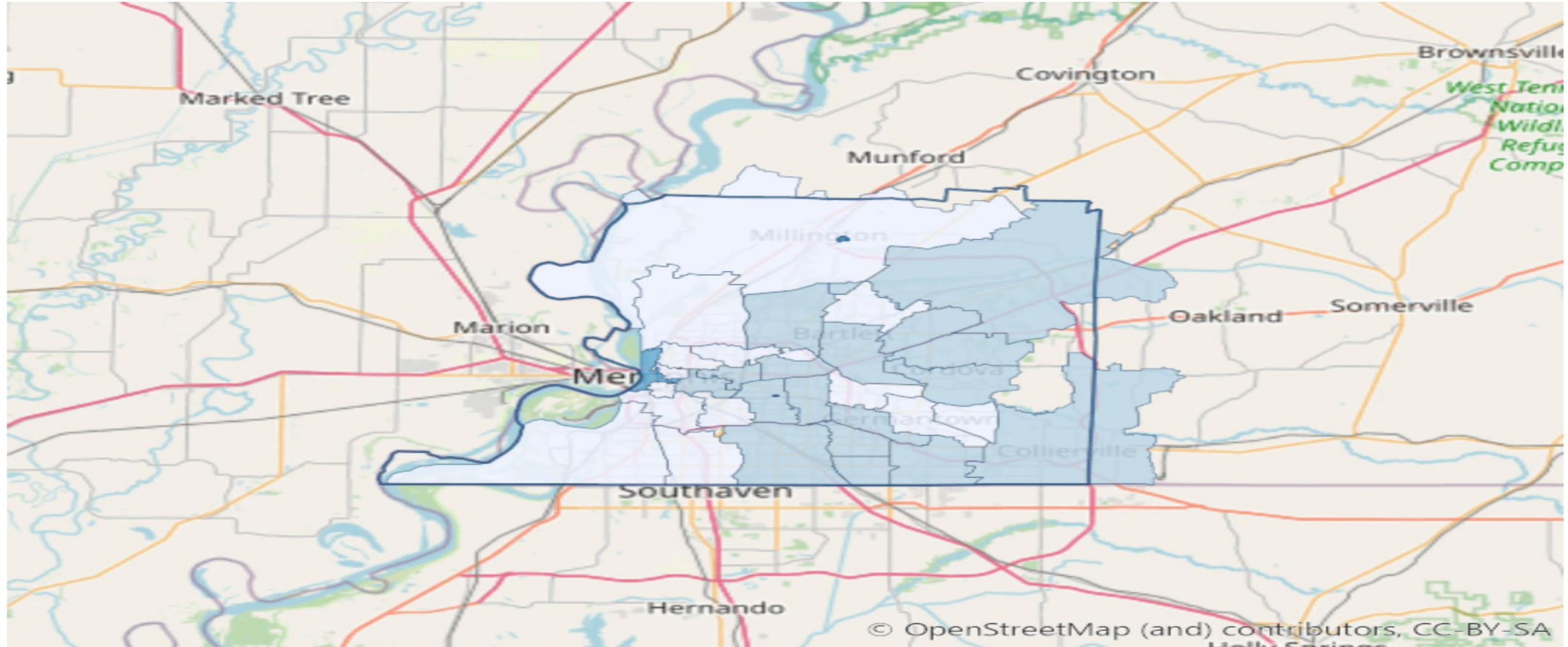
45.5% - 56.8%

Adults who Have Taken Medications for High Blood Pressure

Zip Code

Measurement Period: 2021

Data Source: CDC - PLACES



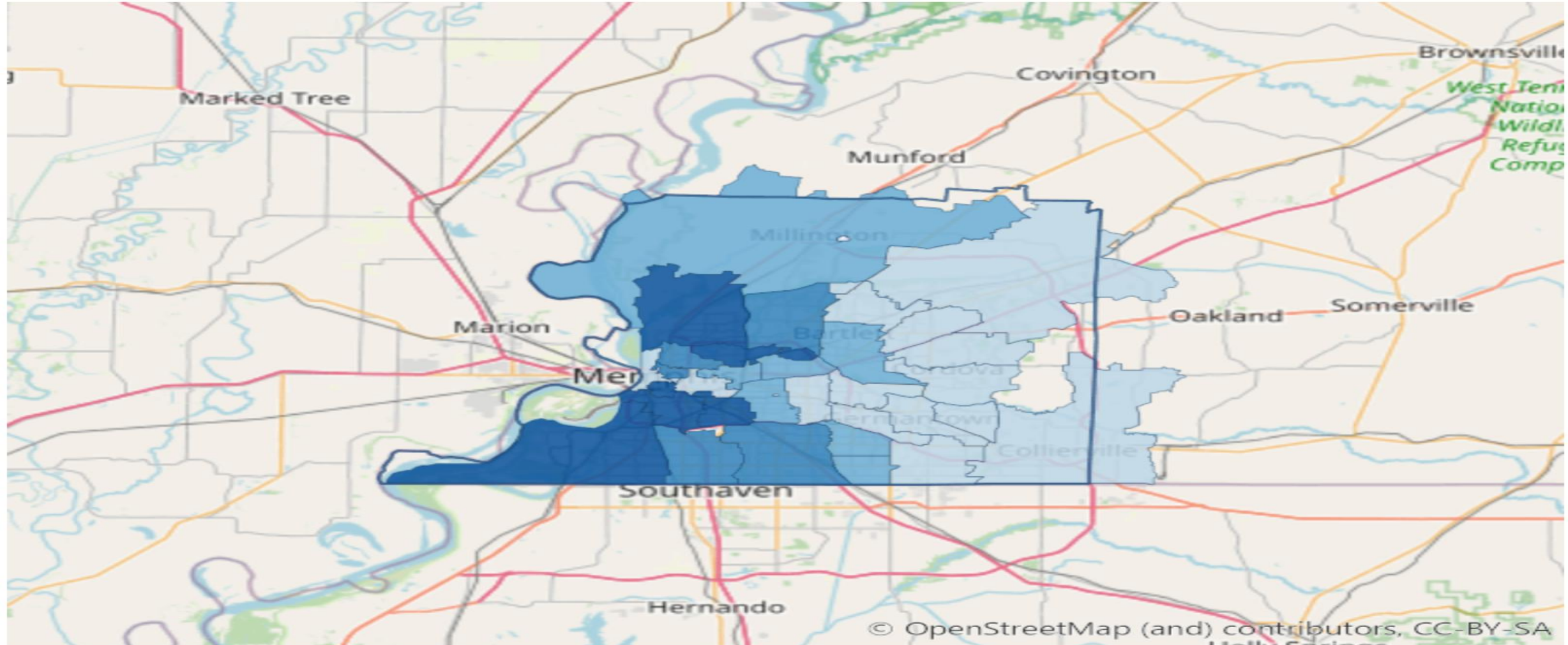
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Holly Springs

Adults who Experienced a Stroke

Zip Code

Measurement Period: 2022

Data Source: CDC - PLACES



0.9% - 1.4%



1.4% - 3.6%



3.6% - 4.7%



4.7% - 6.3%



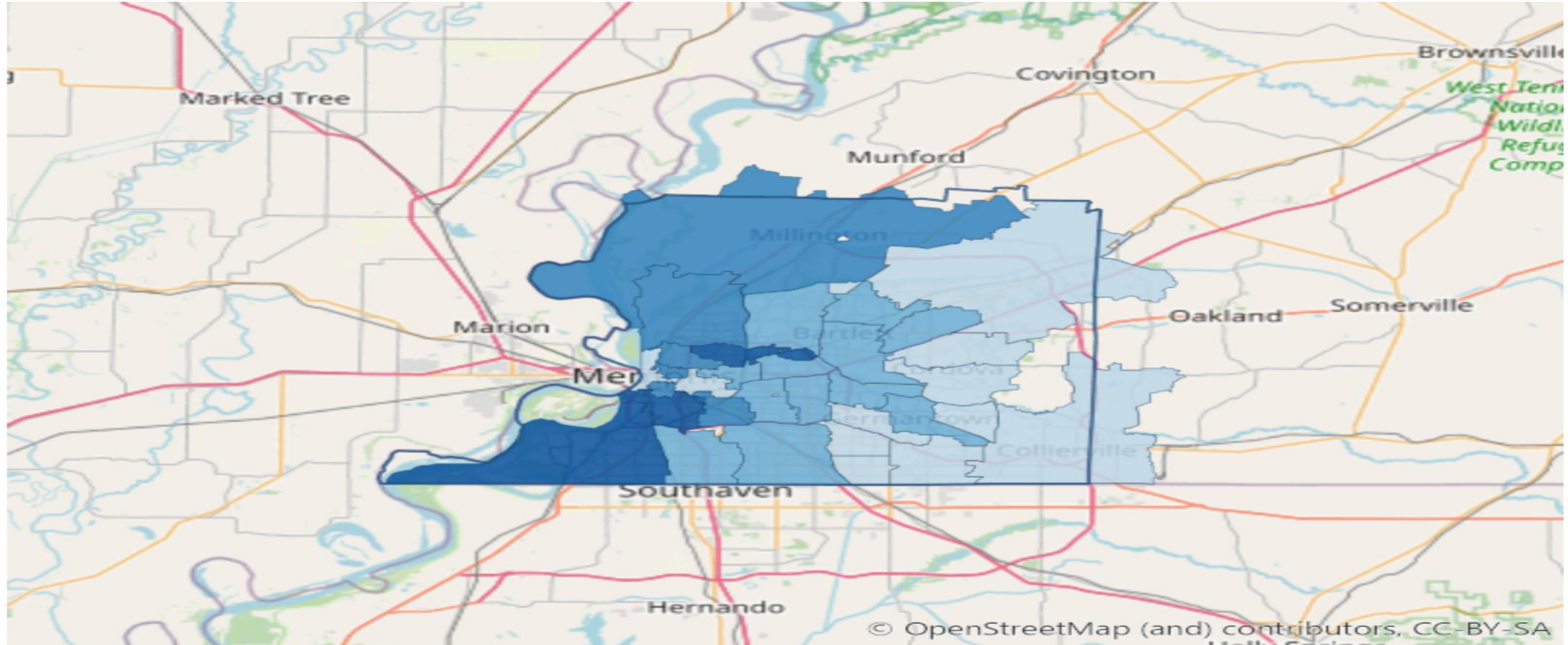
6.3% - 8.8%

Adults who Experienced Coronary Heart Disease

Zip Code

Measurement Period: 2022

Data Source: CDC - PLACES

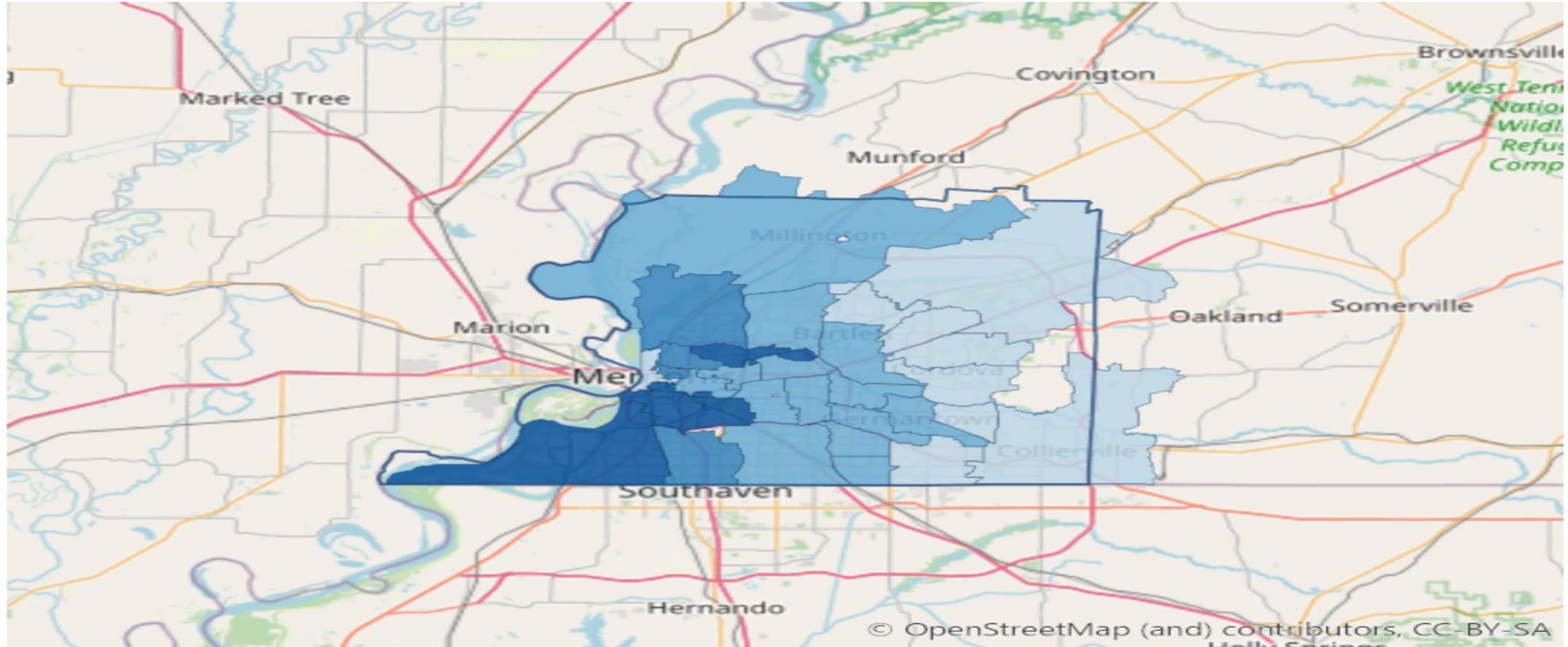


Adults with Kidney Disease

Zip Code

Measurement Period: 2021

Data Source: CDC - PLACES



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Holly Springs



0.8% - 1.0%



1.0% - 2.6%



2.6% - 3.4%



3.4% - 4.4%



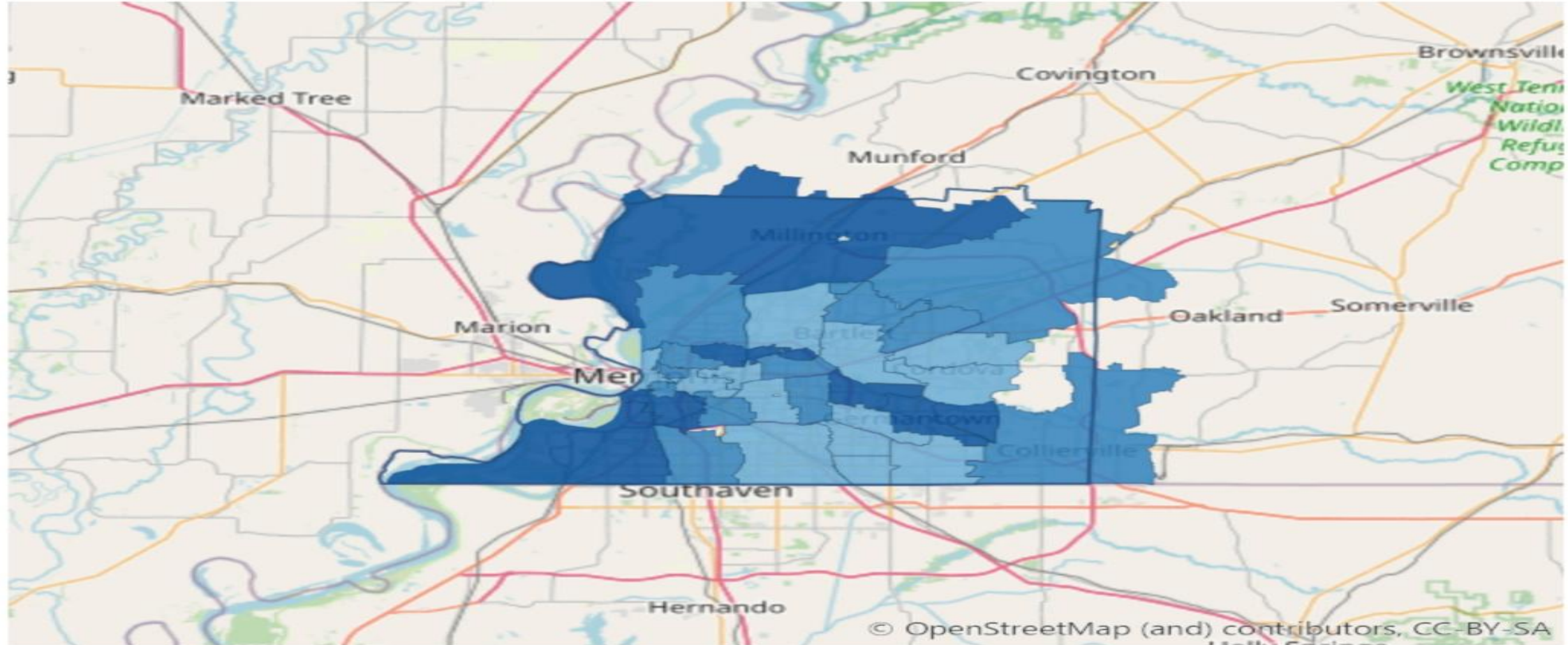
4.4% - 5.4%

High Cholesterol Prevalence

Zip Code

Measurement Period: 2021

Data Source: CDC - PLACES



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Health Services



11.1%



11.1% - 20.1%



20.1% - 32.3%



32.3% - 35.1%



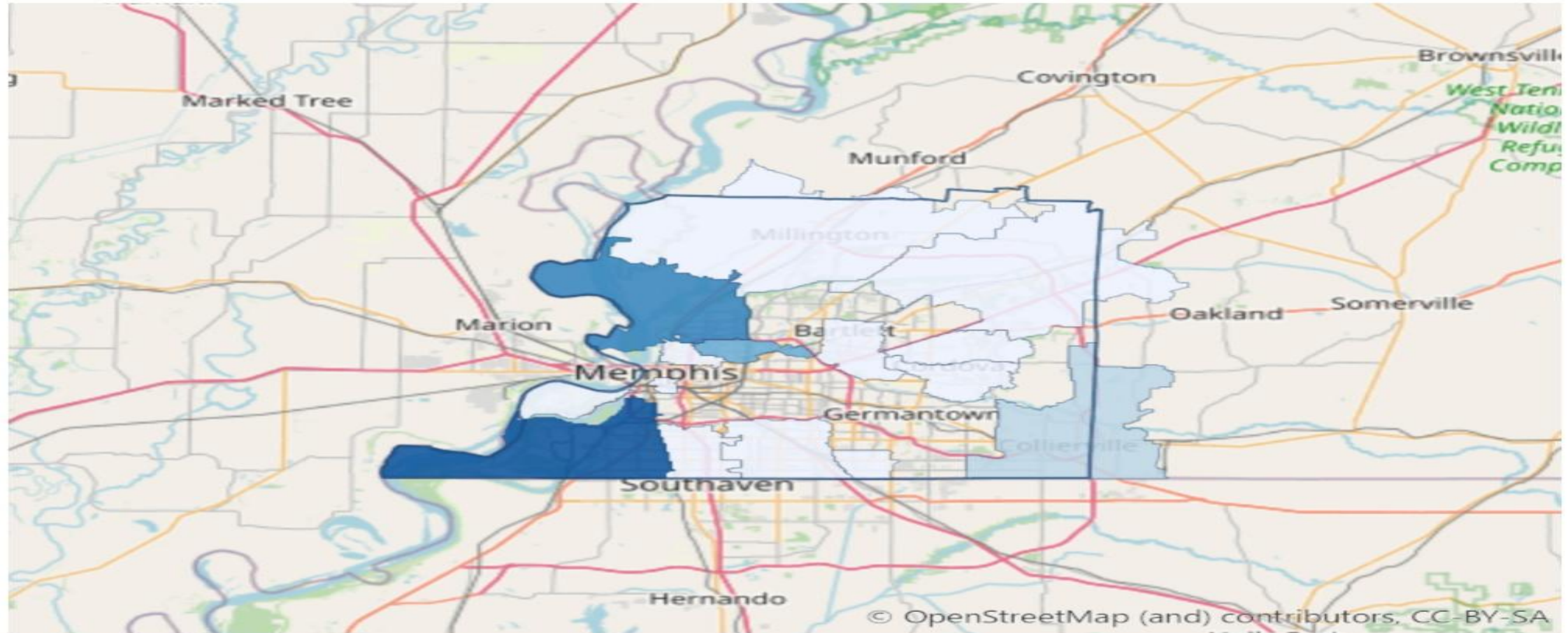
35.1% - 37.4%

Recognized Carcinogens Released into Air

Zip Code

Measurement Period: 2023

Data Source: U.S. Environmental Protection Agency



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0 - 1,060



1,060 - 14,103



14,103 - 18,913



18,913 - 30,861



30,861 - 60,054

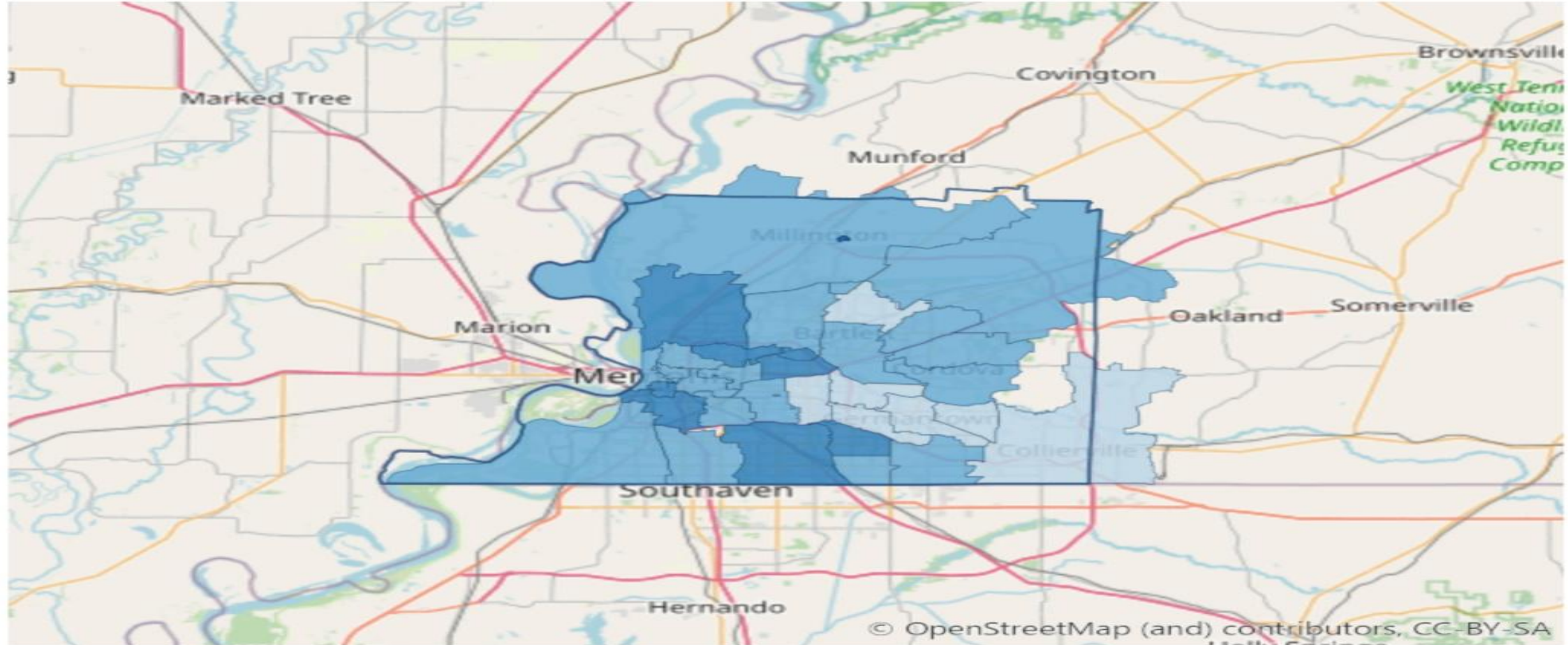
pounds

Colon Cancer Screening: USPSTF Recommendation

Zip Code

Measurement Period: 2022

Data Source: CDC - PLACES

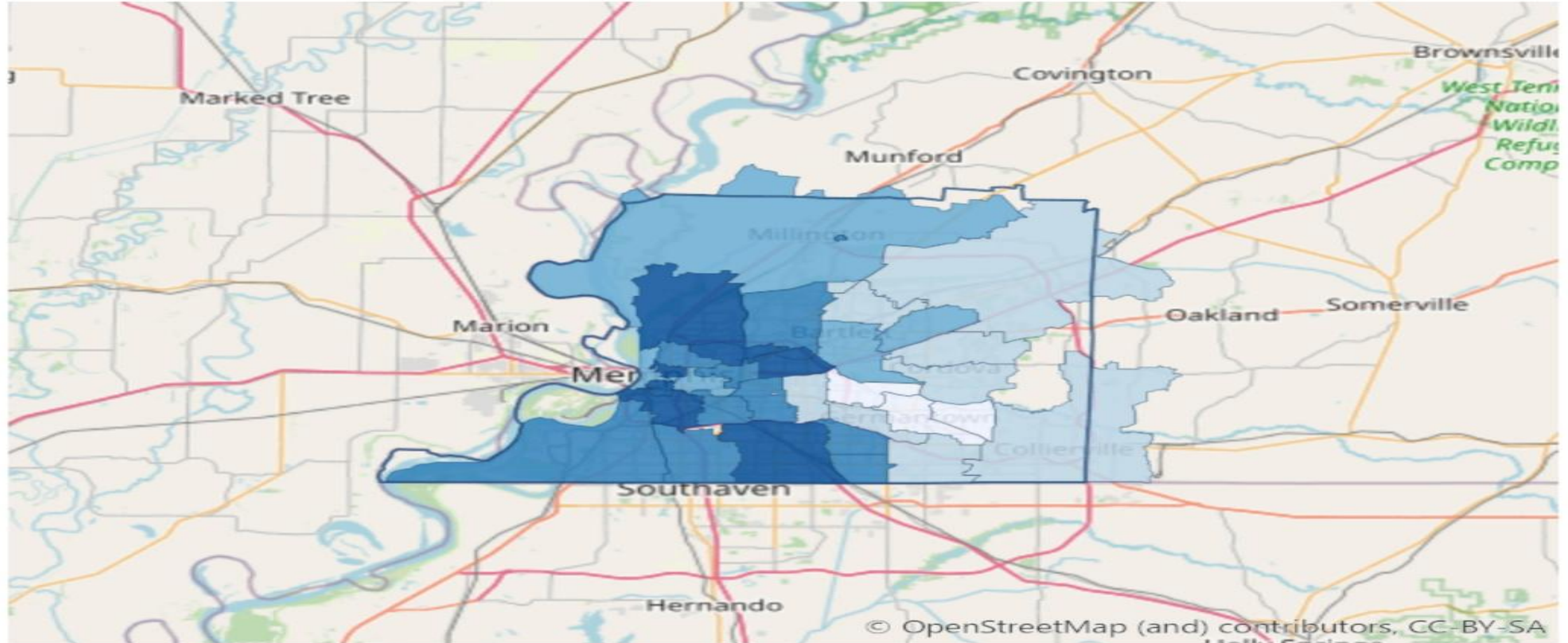


Colon Cancer Screening

Zip Code

Measurement Period: 2018

Data Source: CDC - PLACES



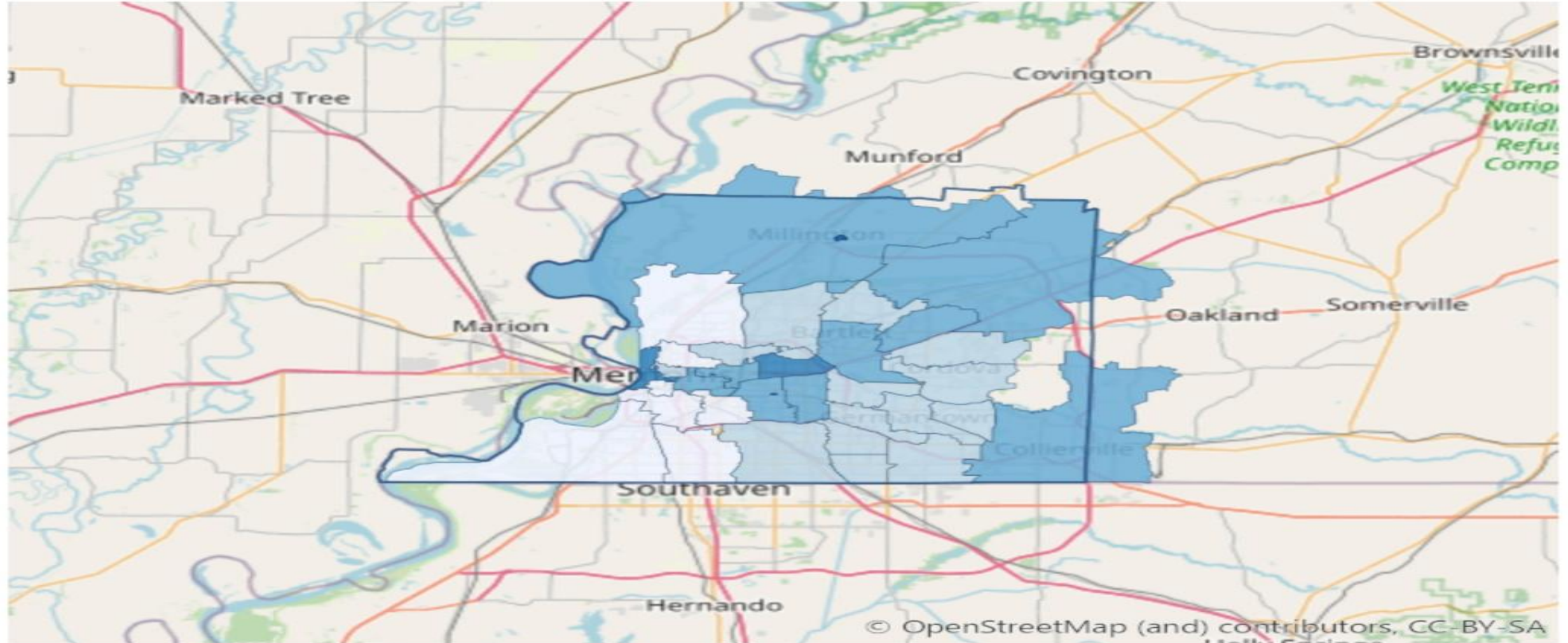
© OpenStreetMap (and) contributors, CC-BY-SA
Helly Springs

Adults who have had a Routine Checkup

Zip Code

Measurement Period: 2022

Data Source: CDC - PLACES



67.3% - 71.1%



71.1% - 75.4%



75.4% - 78.5%



78.5% - 80.9%



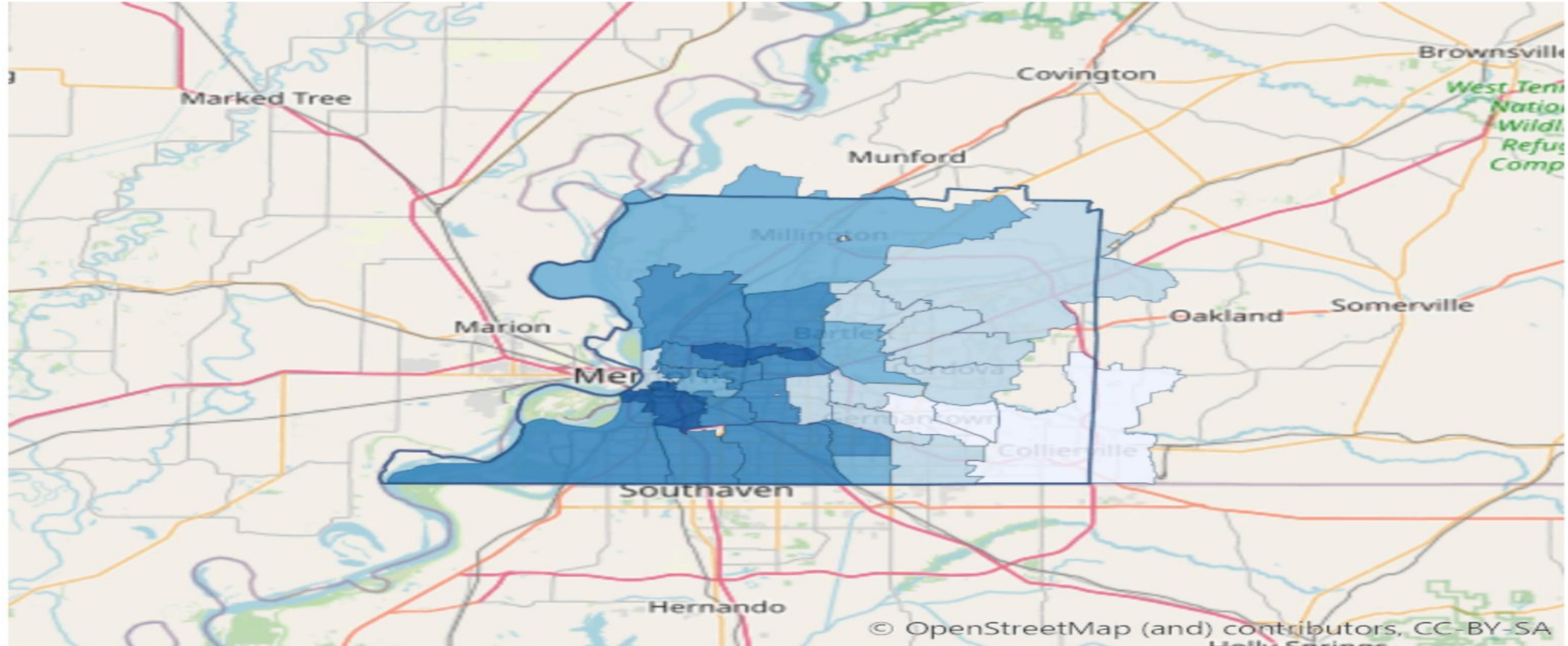
80.9% - 83.9%

Adults 65+ who Received Recommended Preventive Services: Females

Zip Code

Measurement Period: 2020

Data Source: CDC - PLACES



21.3% - 25.4%



25.4% - 31.3%



31.3% - 36.5%



36.5% - 42.7%



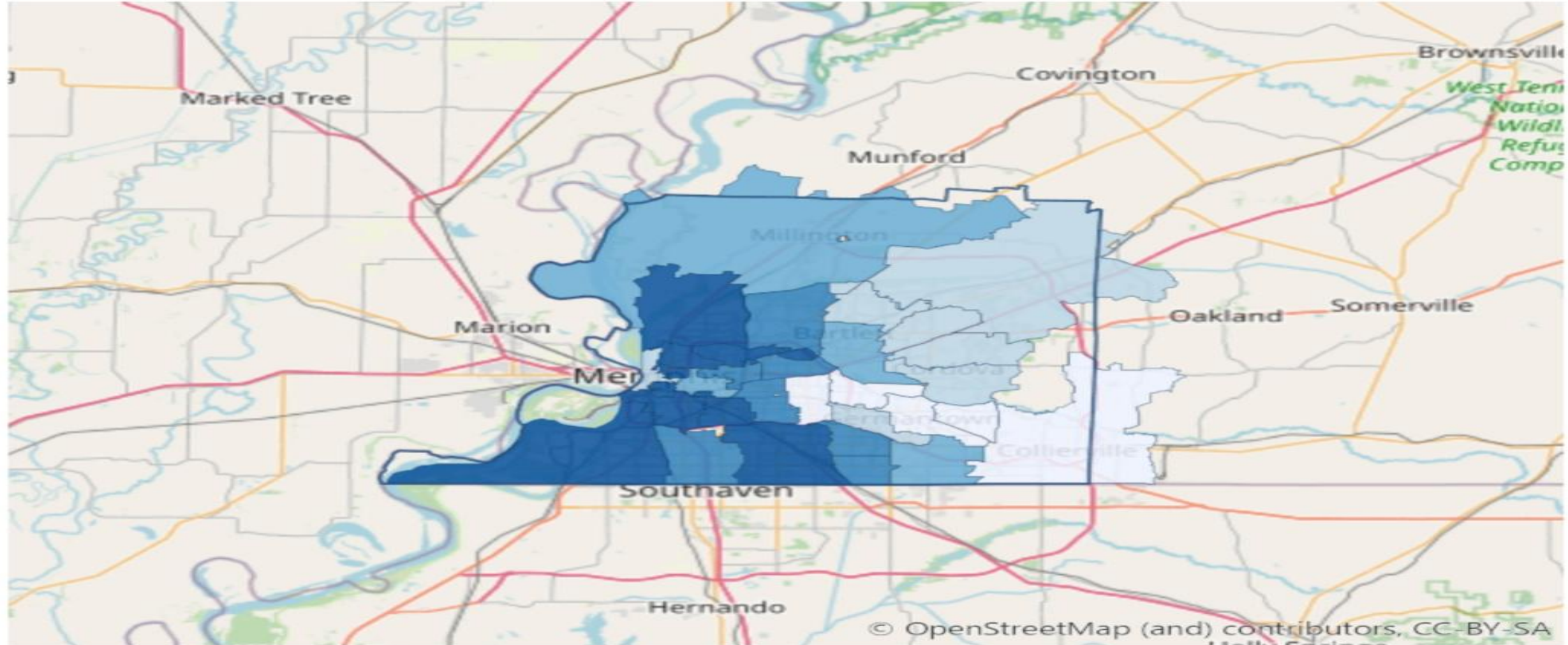
42.7% - 47.2%

Adults 65+ who Received Recommended Preventive Services: Males

Zip Code

Measurement Period: 2020

Data Source: CDC - PLACES



19.2% - 26.6%



26.6% - 31.7%



31.7% - 36.4%



36.4% - 42.0%



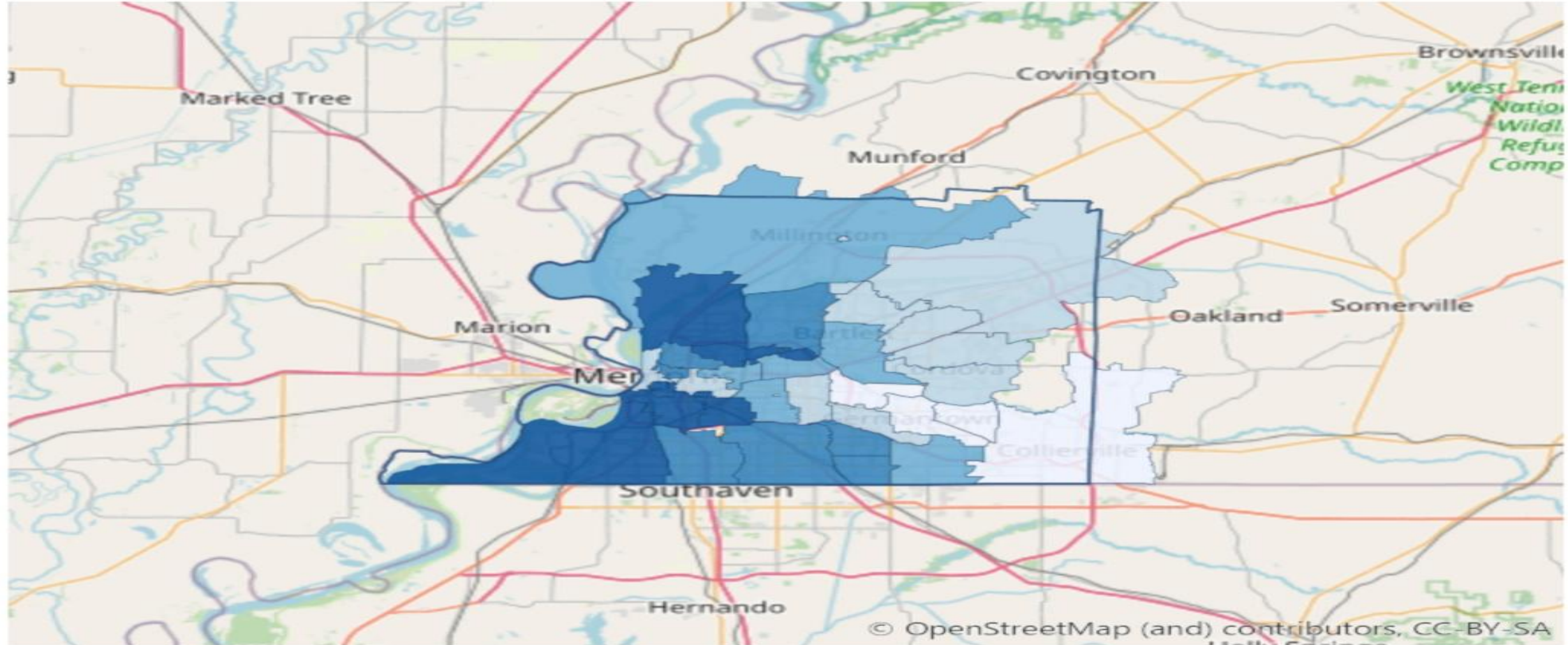
42.0% - 45.4%

Adults Who Are Obese

Zip Code

Measurement Period: 2022

Data Source: CDC - PLACES



29.7% - 32.3%



32.3% - 38.8%



38.8% - 43.6%



43.6% - 50.0%



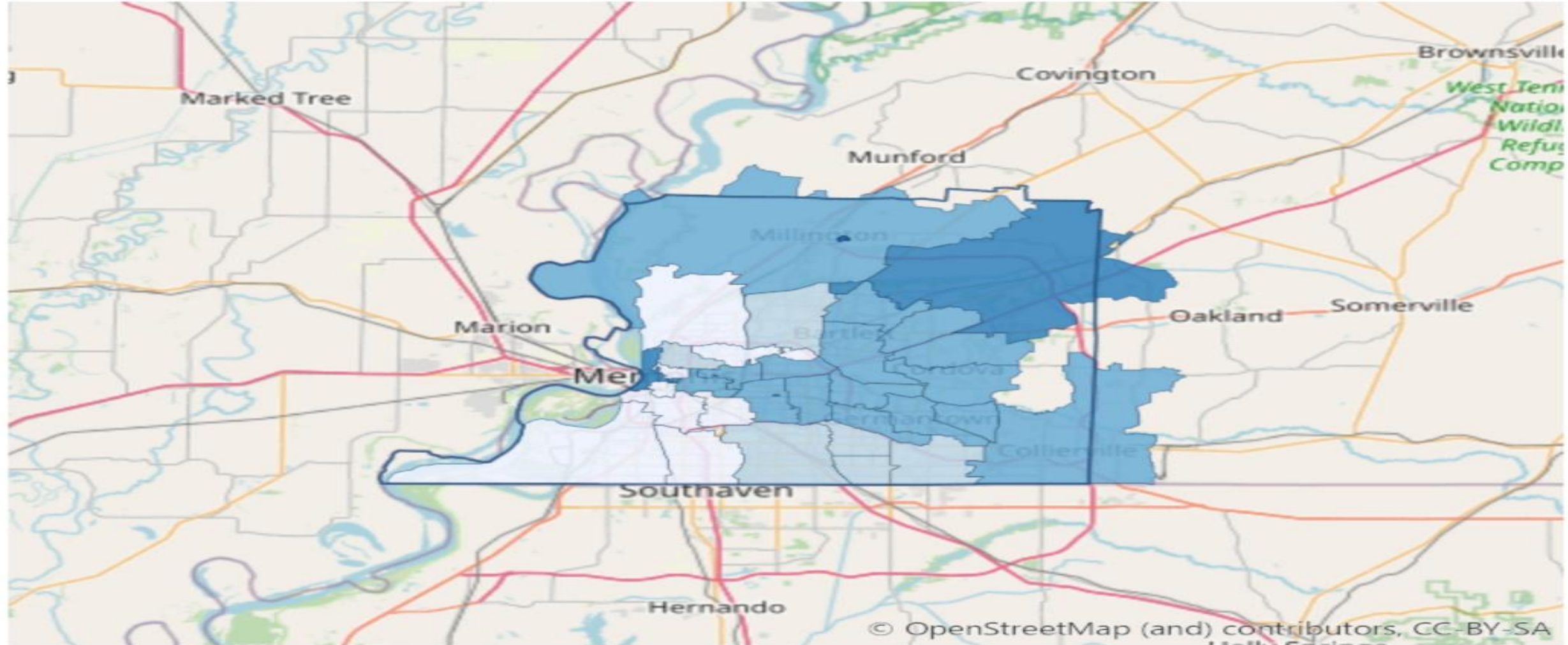
50.0% - 55.7%

Adults who Binge Drink

Zip Code

Measurement Period: 2022

Data Source: CDC - PLACES



10.7% - 13.2%



13.2% - 15.9%



15.9% - 18.8%



18.8% - 22.1%



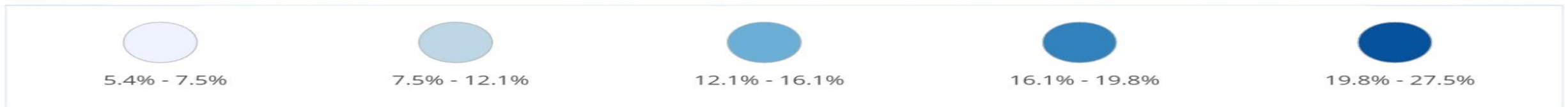
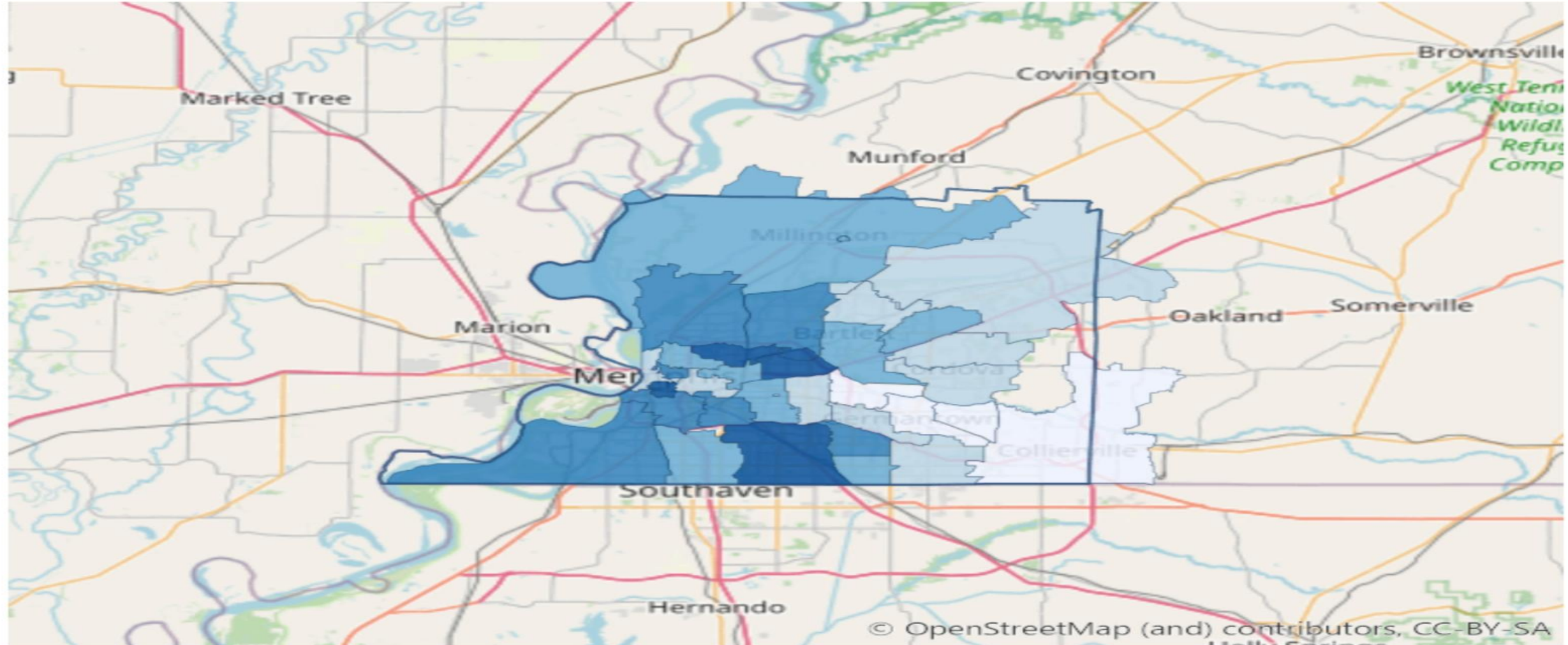
22.1% - 27.4%

Adults without Health Insurance

Zip Code

Measurement Period: 2022

Data Source: CDC - PLACES

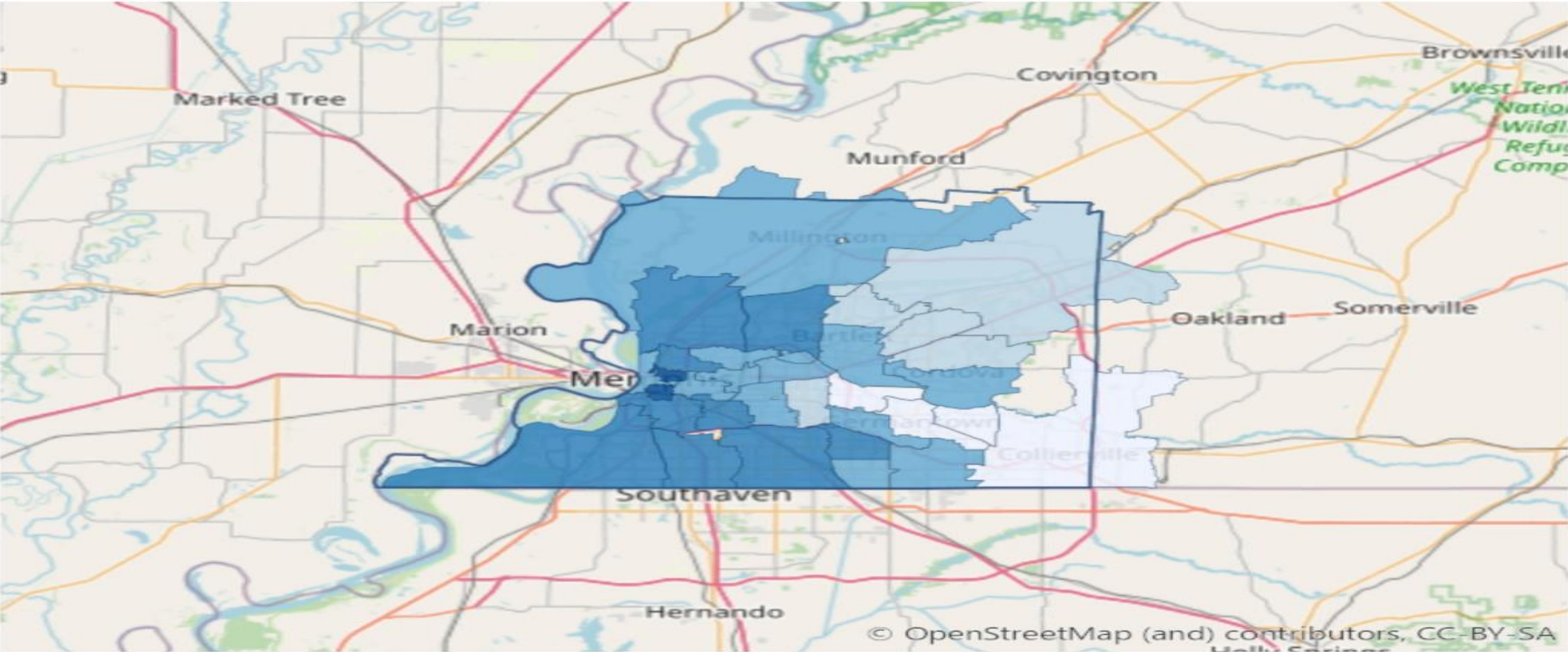


Children in Single-Parent Households

Zip Code

Measurement Period: 2018-2022

Data Source: American Community Survey 5-Year

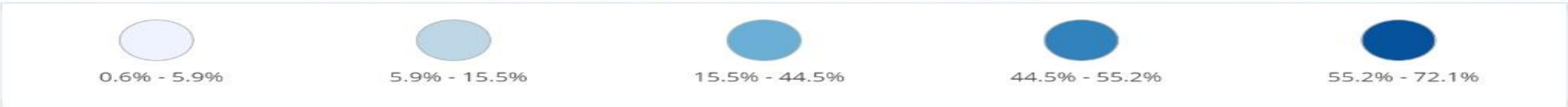
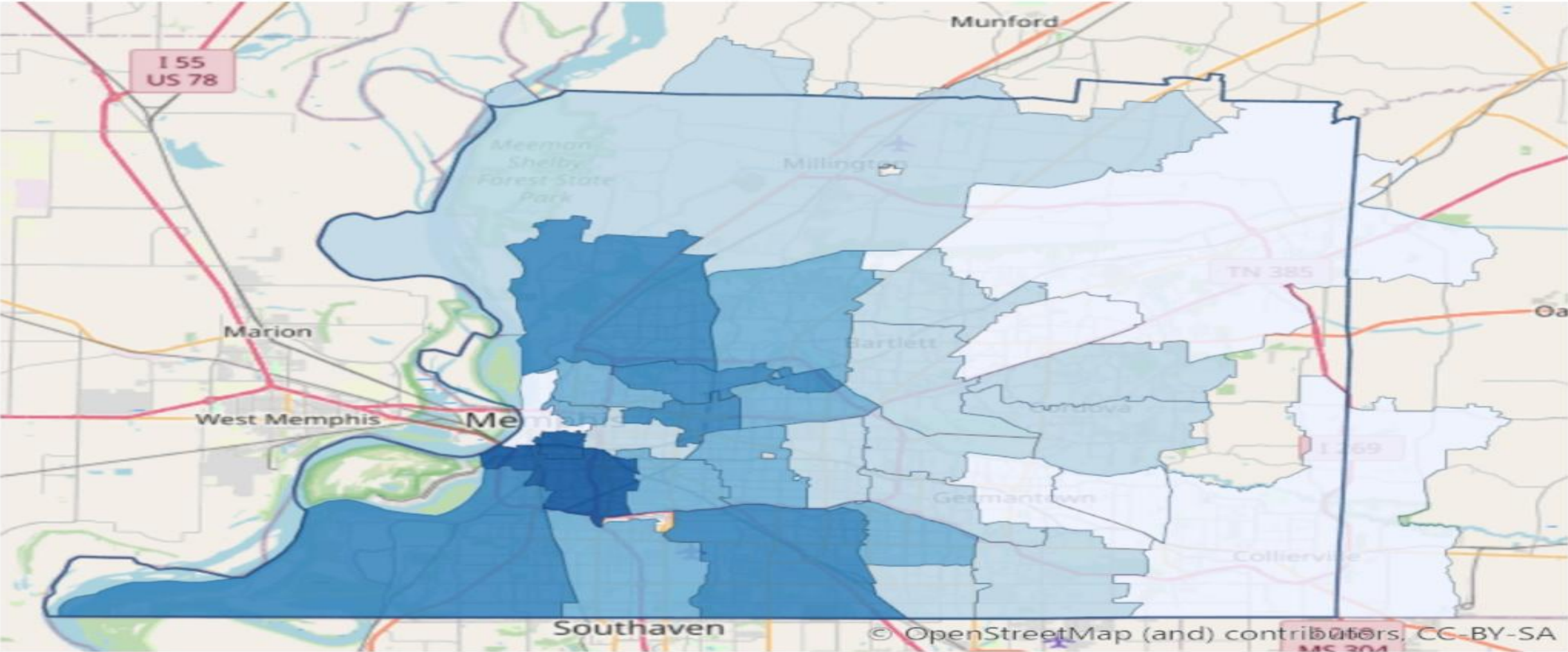


Children Living Below Poverty Level

Zip Code

Measurement Period: 2018-2022

Data Source: American Community Survey 5-Year

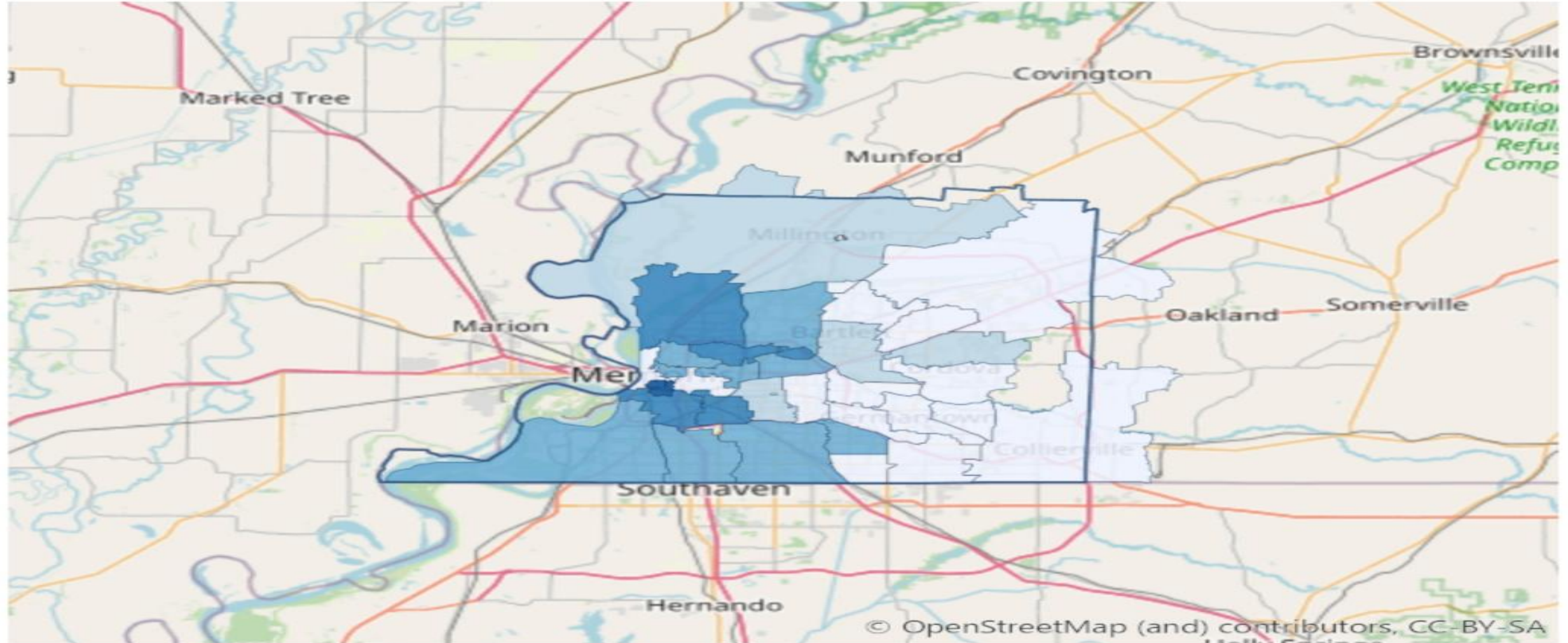


Families Living Below Poverty Level

Zip Code

Measurement Period: 2018-2022

Data Source: American Community Survey 5-Year



0.0% - 7.1%



7.1% - 15.3%



15.3% - 26.3%



26.3% - 30.3%



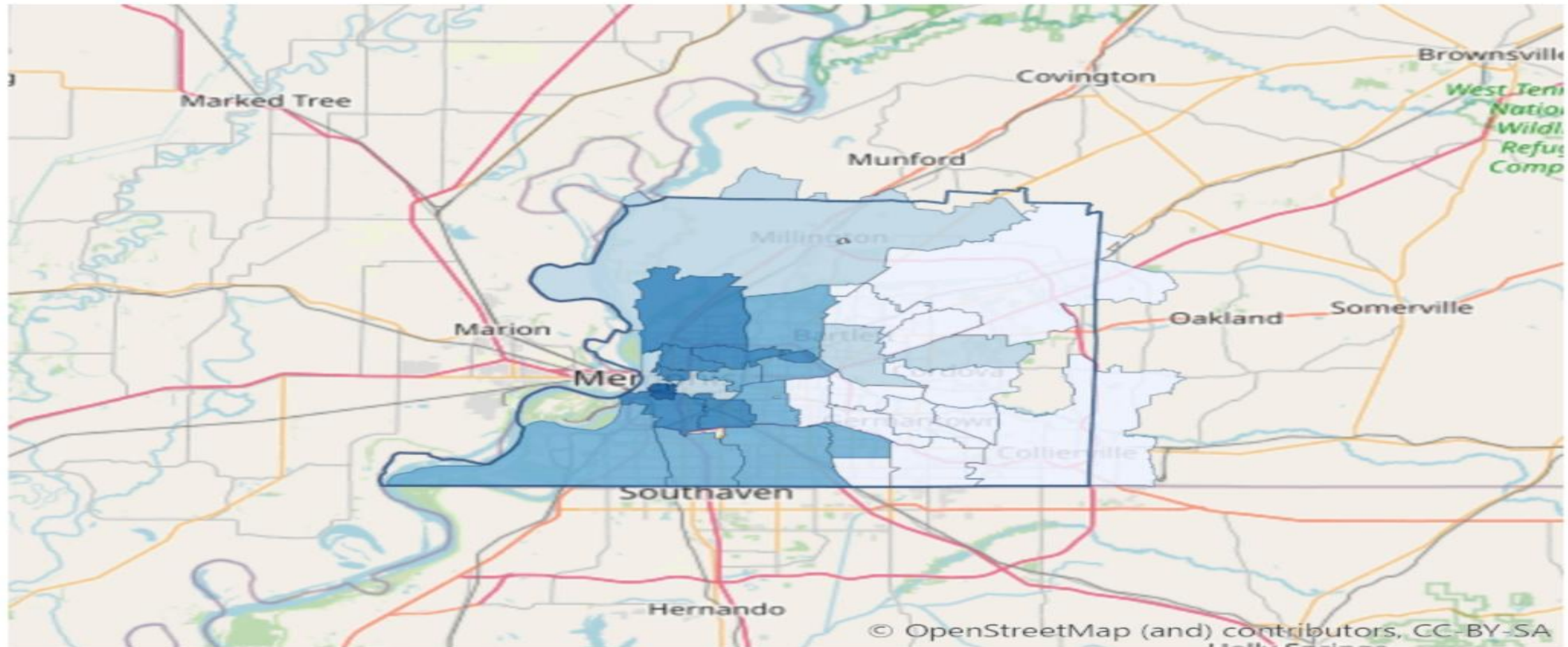
30.3% - 45.5%

Households Living Below Poverty Level

Zip Code

Measurement Period: 2022

Data Source: United For ALICE



0.5% - 8.0%



8.0% - 15.2%



15.2% - 28.3%



28.3% - 38.4%



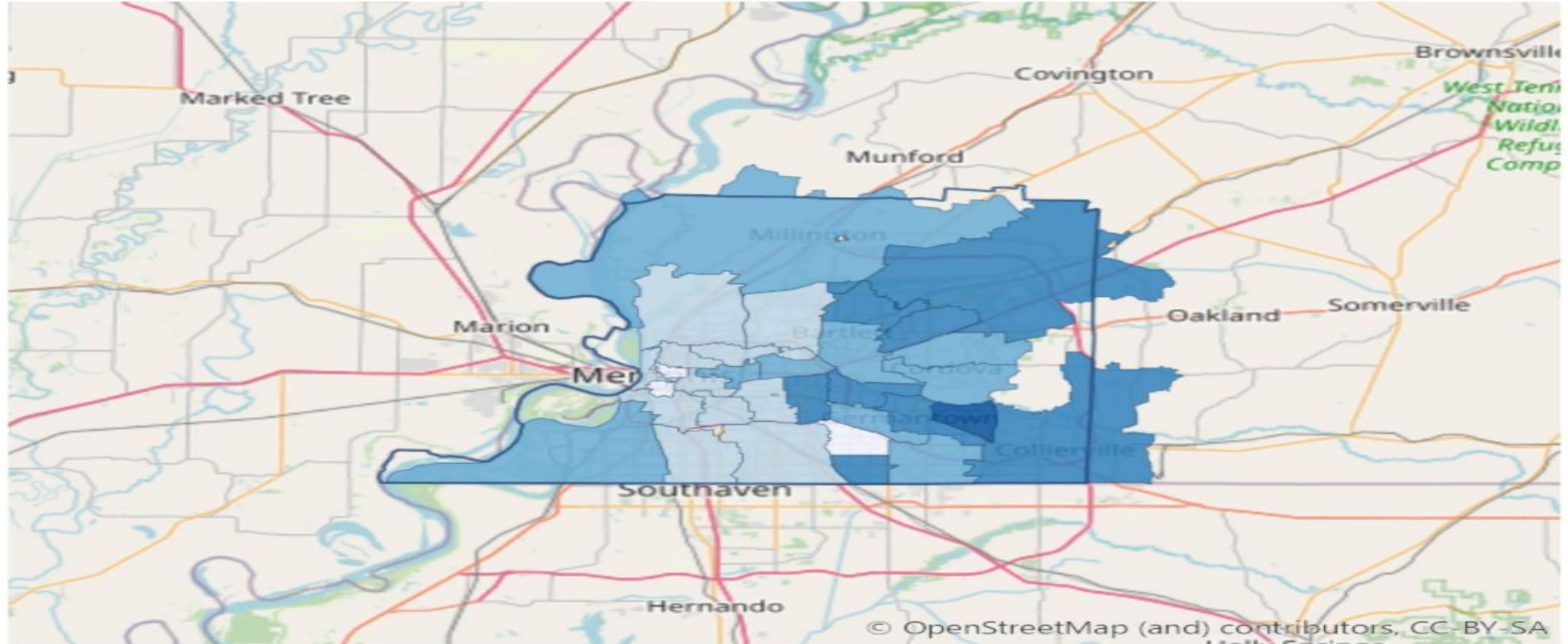
38.4% - 48.4%

Homeownership

Zip Code

Measurement Period: 2018-2022

Data Source: American Community Survey 5-Year

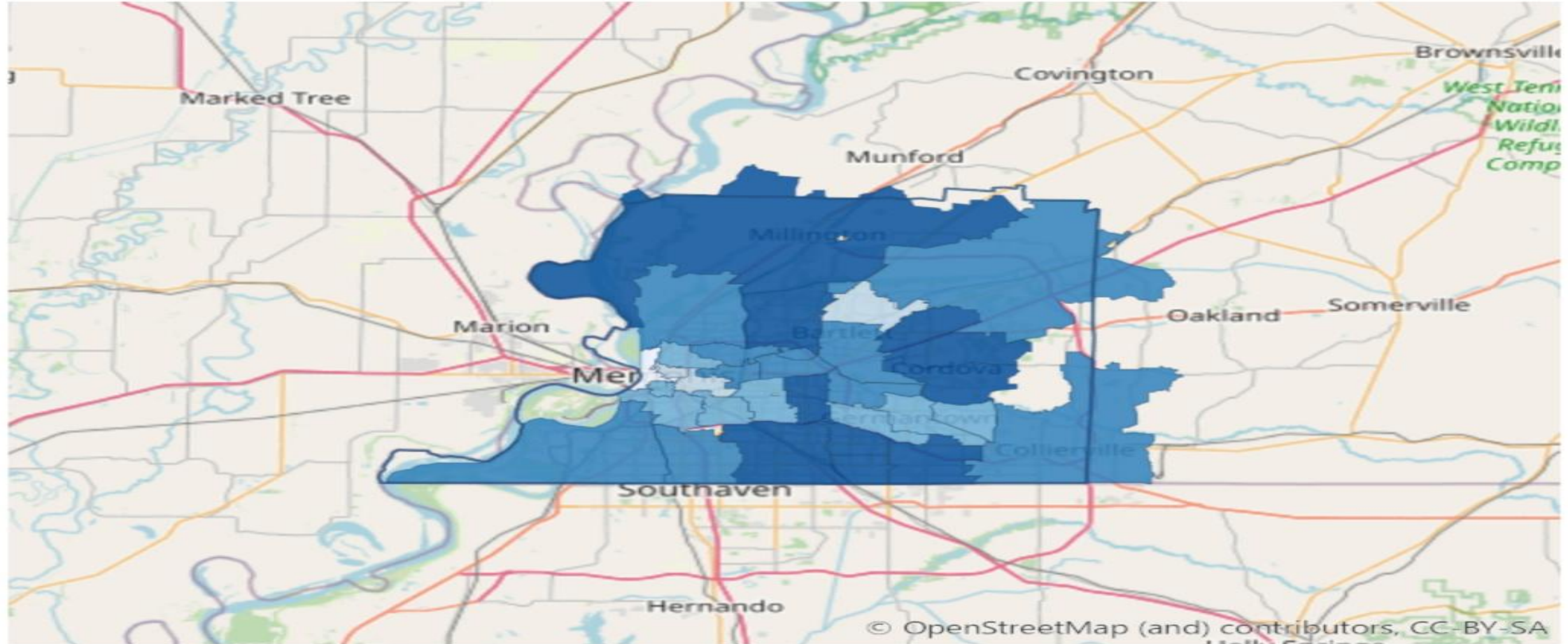


Households Receiving SNAP with Children

Zip Code

Measurement Period: 2018-2022

Data Source: American Community Survey 5-Year



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Mapbox



5.6%



5.6% - 28.4%



28.4% - 41.9%



41.9% - 54.9%



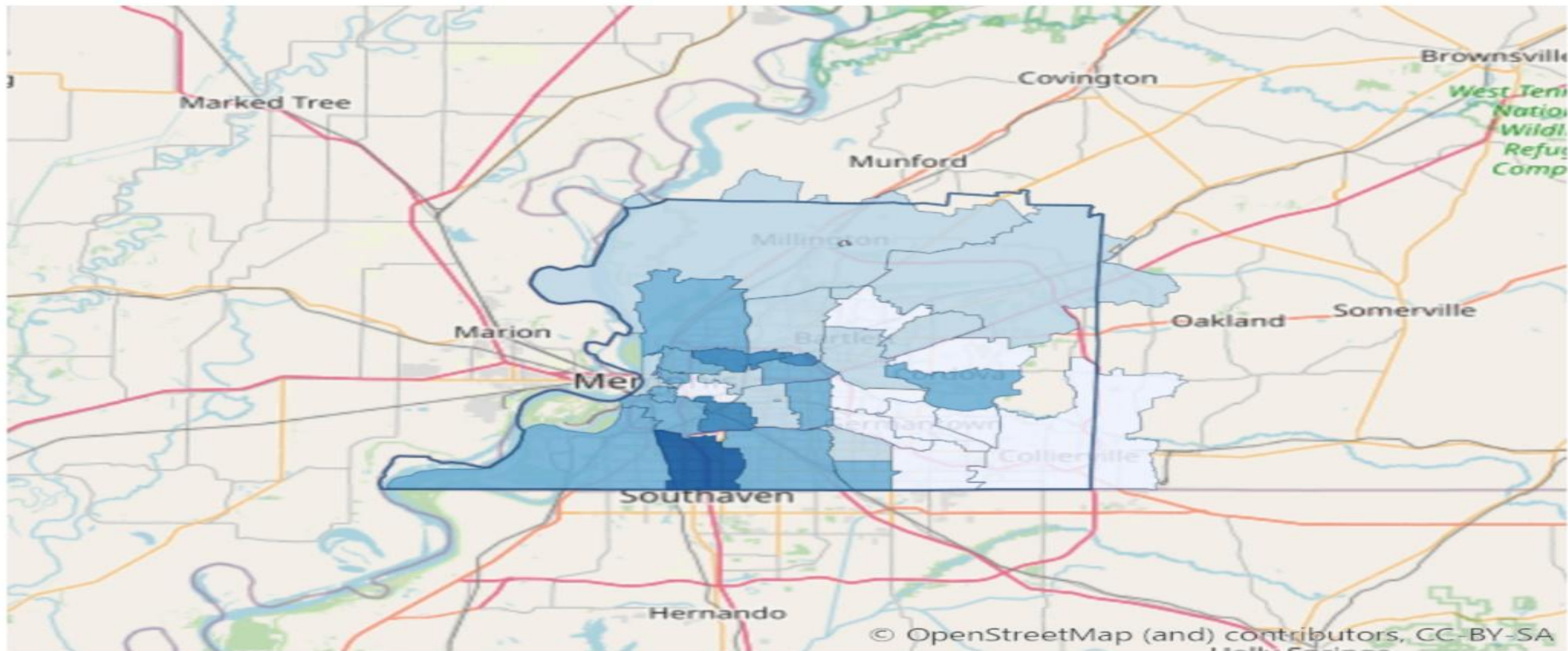
54.9% - 73.7%

Households with Cash Public Assistance Income

Zip Code

Measurement Period: 2018-2022

Data Source: American Community Survey 5-Year

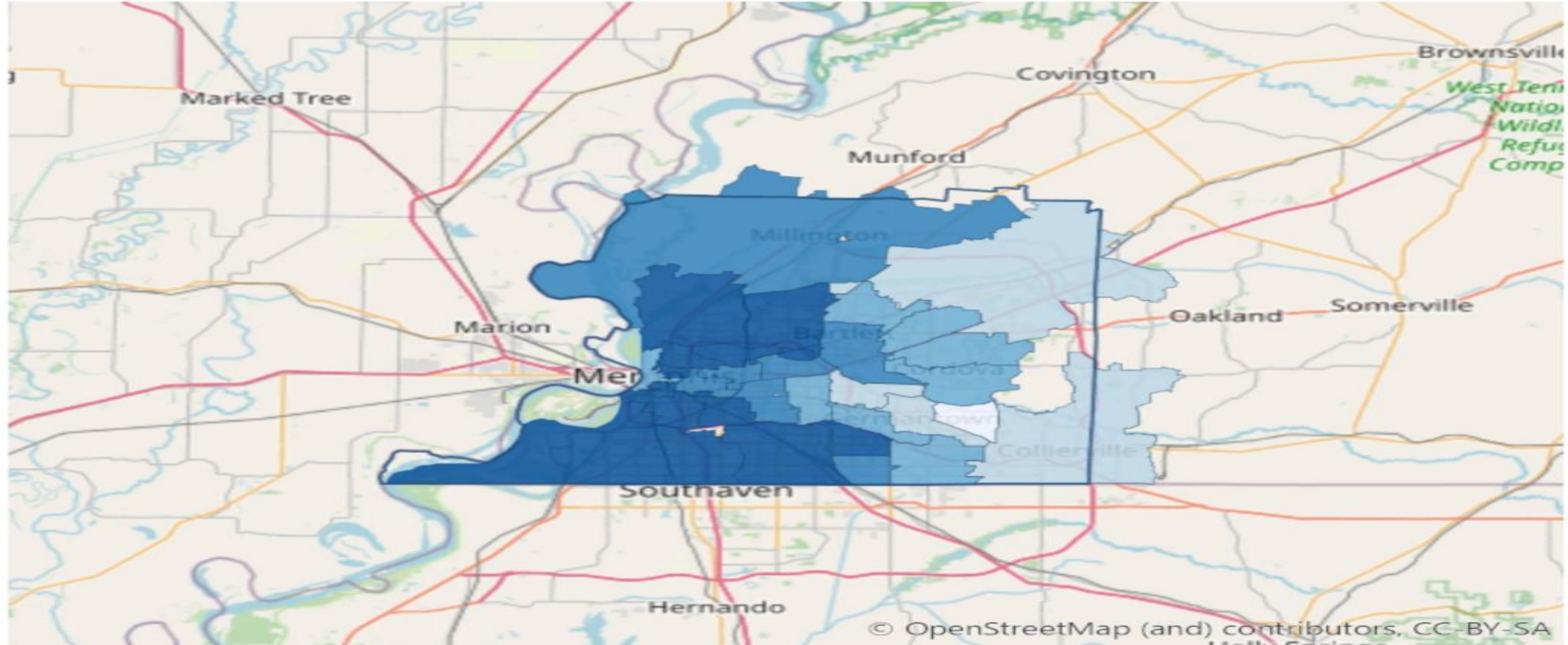


Median Household Income

Zip Code

Measurement Period: 2018-2022

Data Source: American Community Survey 5-Year



\$19,844 - \$42,354



\$42,354 - \$67,584



\$67,584 - \$92,500



\$92,500 - \$131,354



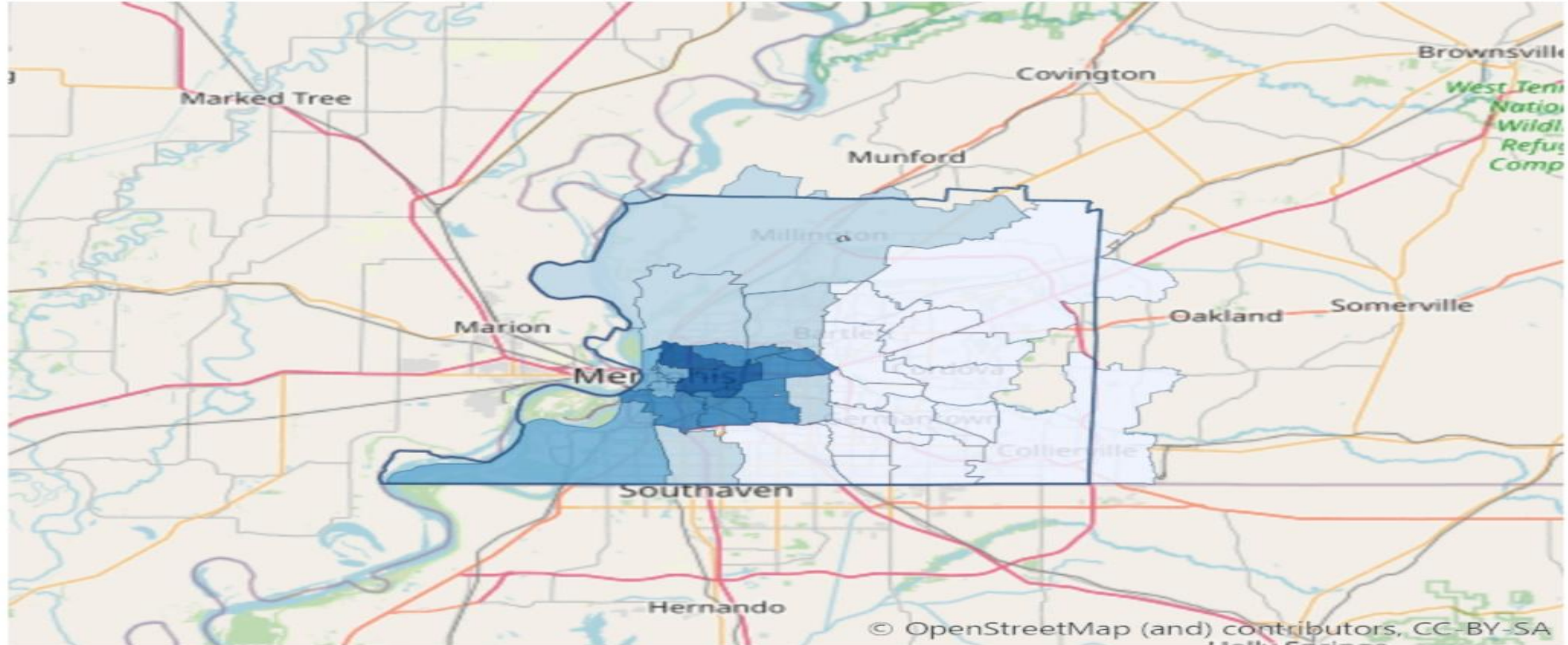
\$131,354 - \$174,396

Houses Built Prior to 1950

Zip Code

Measurement Period: 2018-2022

Data Source: American Community Survey 5-Year



0.0% - 2.5%



2.5% - 8.8%



8.8% - 22.6%



22.6% - 36.0%



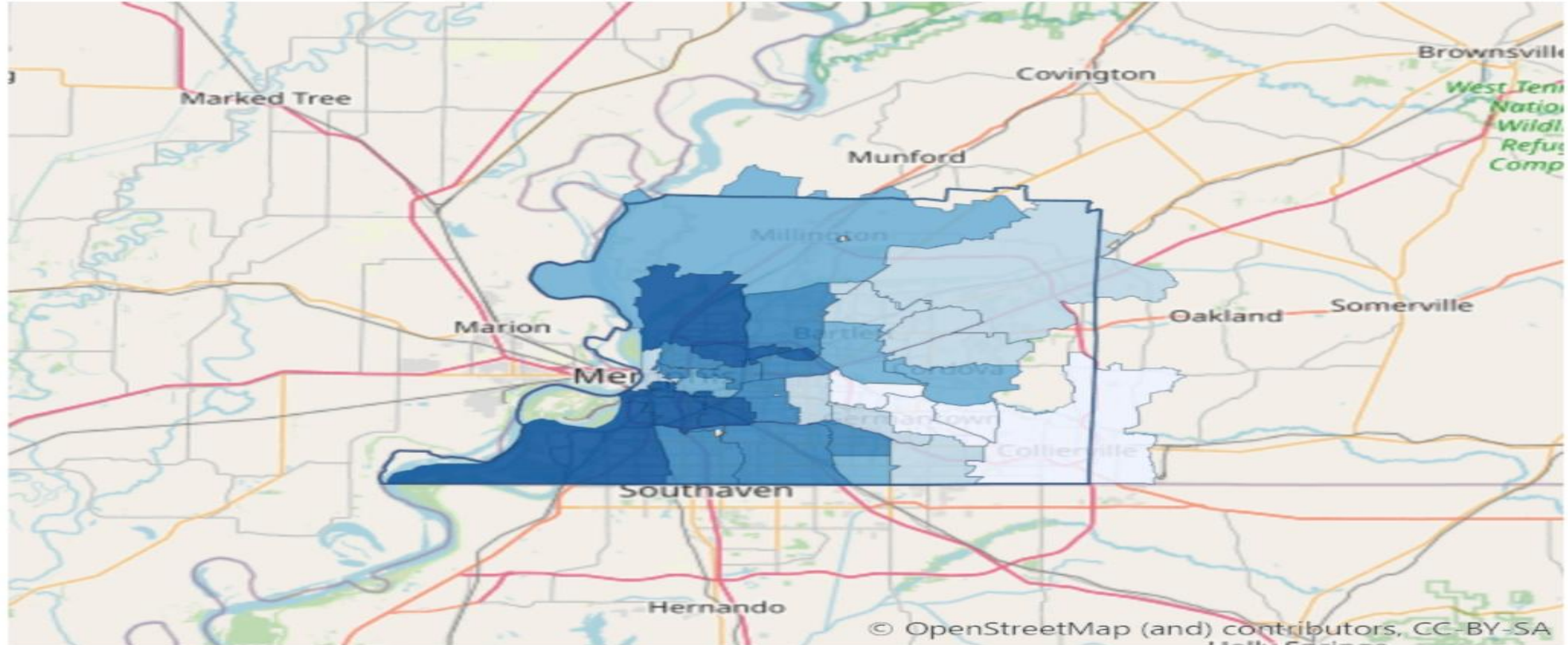
36.0% - 50.7%

People Living 200% Above Poverty Level

Zip Code

Measurement Period: 2018-2022

Data Source: American Community Survey 5-Year



26.0% - 39.5%



39.5% - 53.8%



53.8% - 71.8%



71.8% - 85.1%



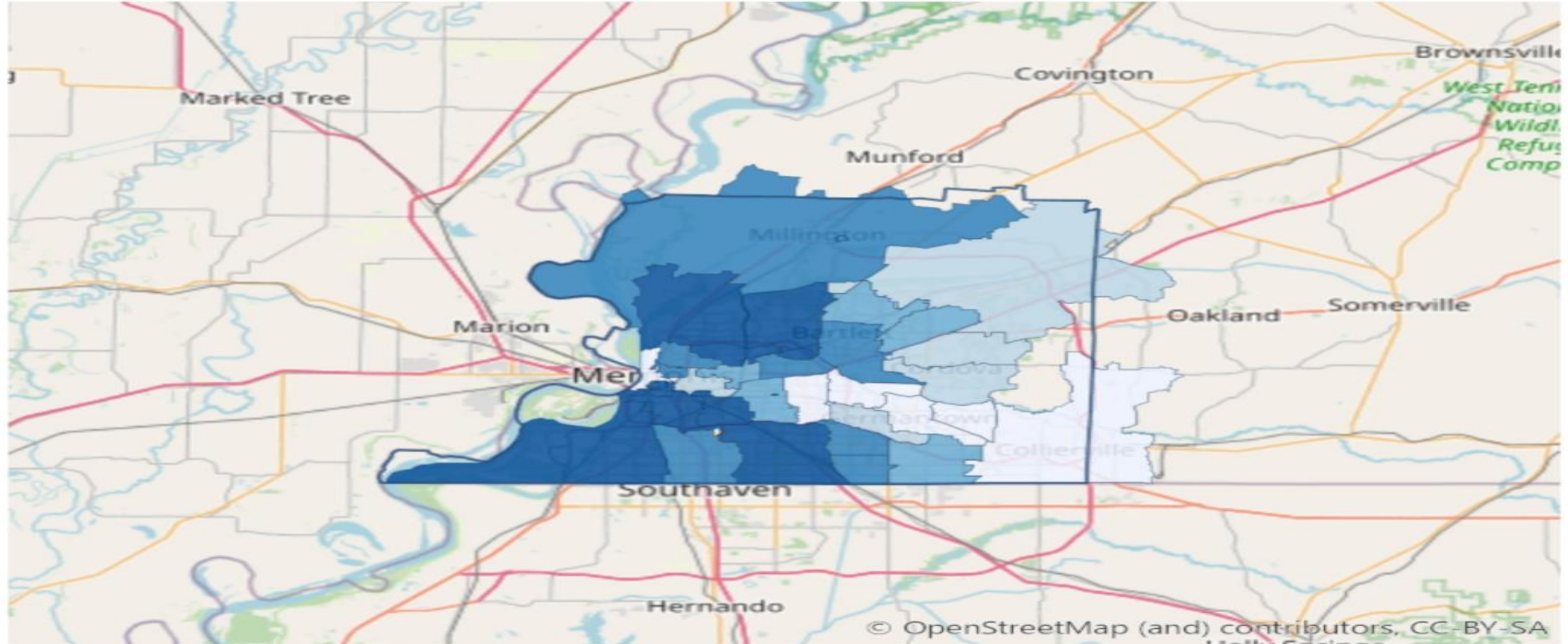
85.1% - 100.0%

People 25+ with a Bachelor's Degree or Higher

Zip Code

Measurement Period: 2018-2022

Data Source: American Community Survey 5-Year



0.0% - 14.4%



14.4% - 24.2%



24.2% - 38.7%



38.7% - 51.9%



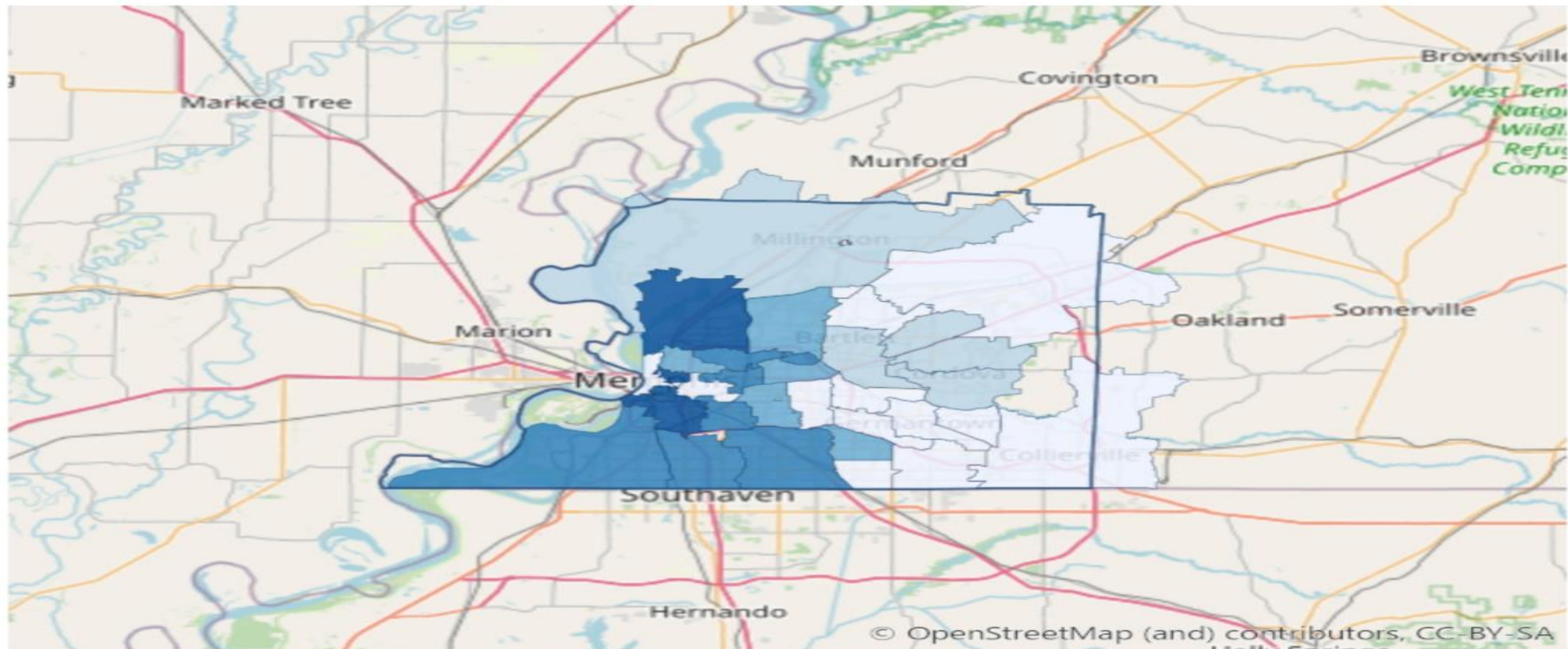
51.9% - 72.1%

Young Children Living Below Poverty Level

Zip Code

Measurement Period: 2018-2022

Data Source: American Community Survey 5-Year

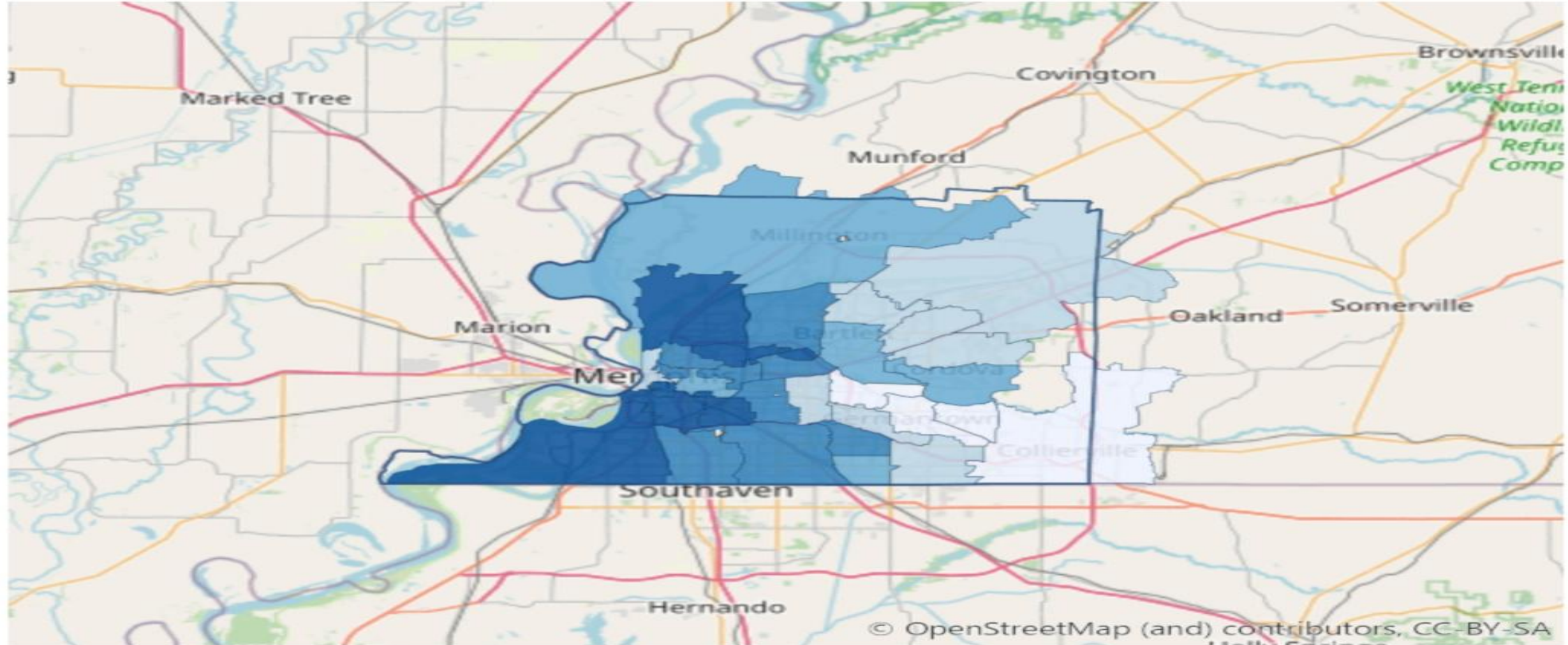


People Living 200% Above Poverty Level

Zip Code

Measurement Period: 2018-2022

Data Source: American Community Survey 5-Year



26.0% - 39.5%



39.5% - 53.8%



53.8% - 71.8%



71.8% - 85.1%



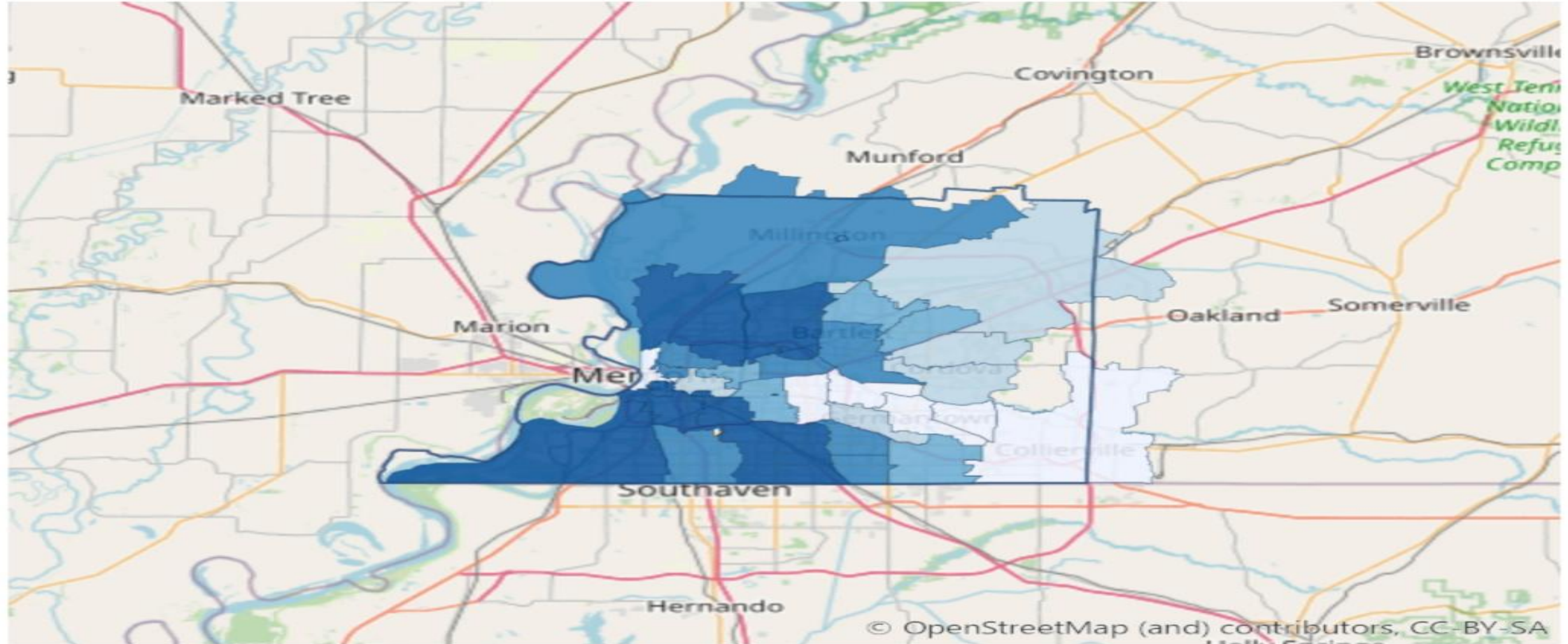
85.1% - 100.0%

People 25+ with a Bachelor's Degree or Higher

Zip Code

Measurement Period: 2018-2022

Data Source: American Community Survey 5-Year



0.0% - 14.4%



14.4% - 24.2%



24.2% - 38.7%



38.7% - 51.9%



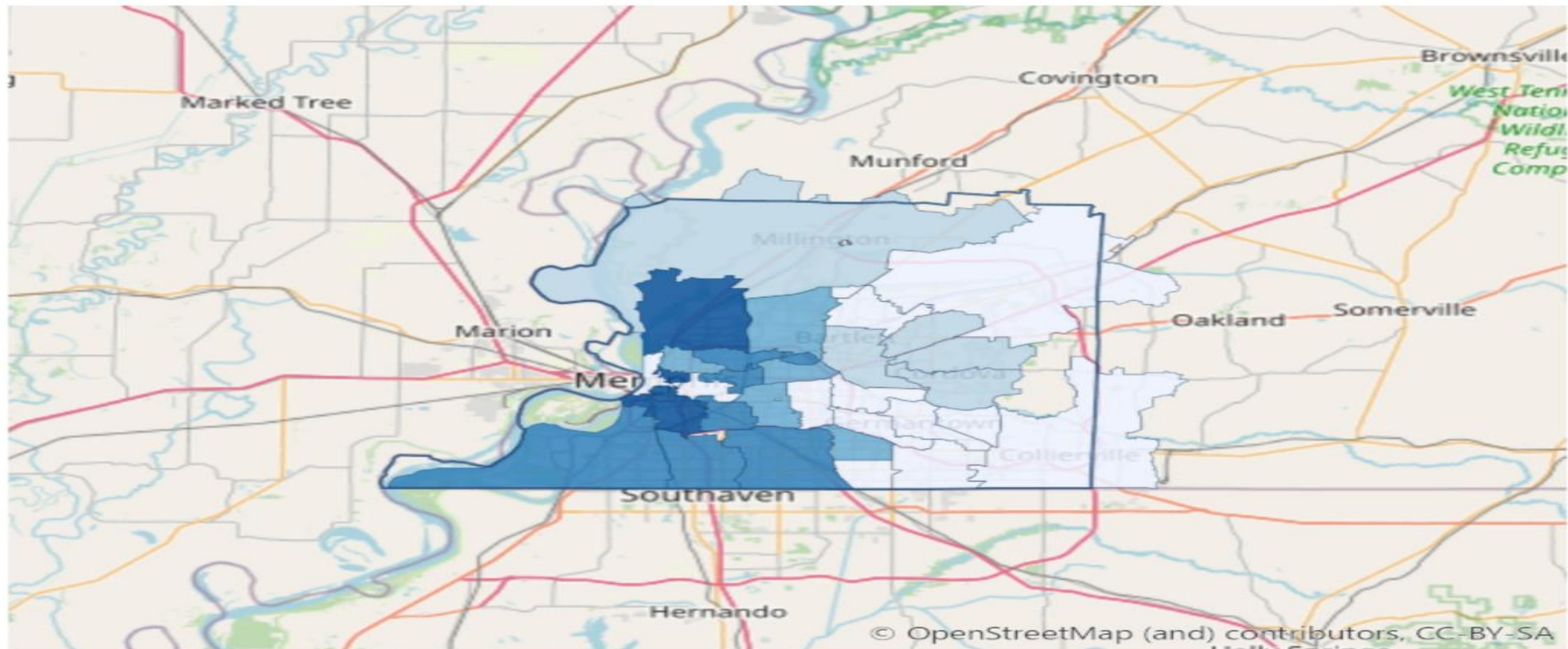
51.9% - 72.1%

Young Children Living Below Poverty Level

Zip Code

Measurement Period: 2018-2022

Data Source: American Community Survey 5-Year



Youth not in School or Working

Zip Code

Measurement Period: 2018-2022

Data Source: American Community Survey 5-Year

