

OBESITY IN ILLINOIS

Analyzing data from the 102 counties found in the state of Illinois to answer some questions



WHAT IS OBESITY?

Someone is considered to have obesity if they have an abnormal or excessive fat accumulation. They may have a BMI over 30.

Body Mass Index Chart

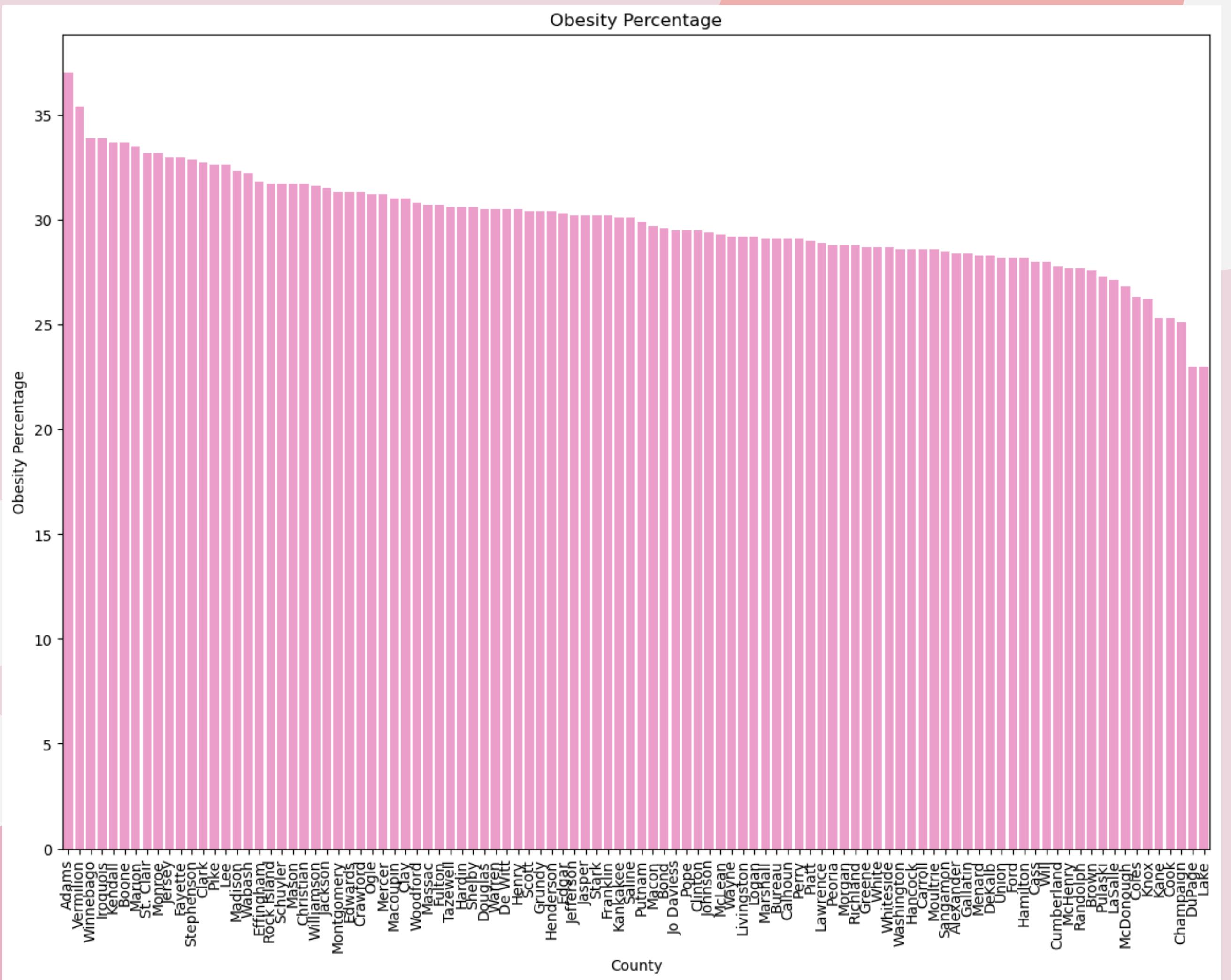


USING DATA TO ANSWER THE FOLLOWING QUESTIONS

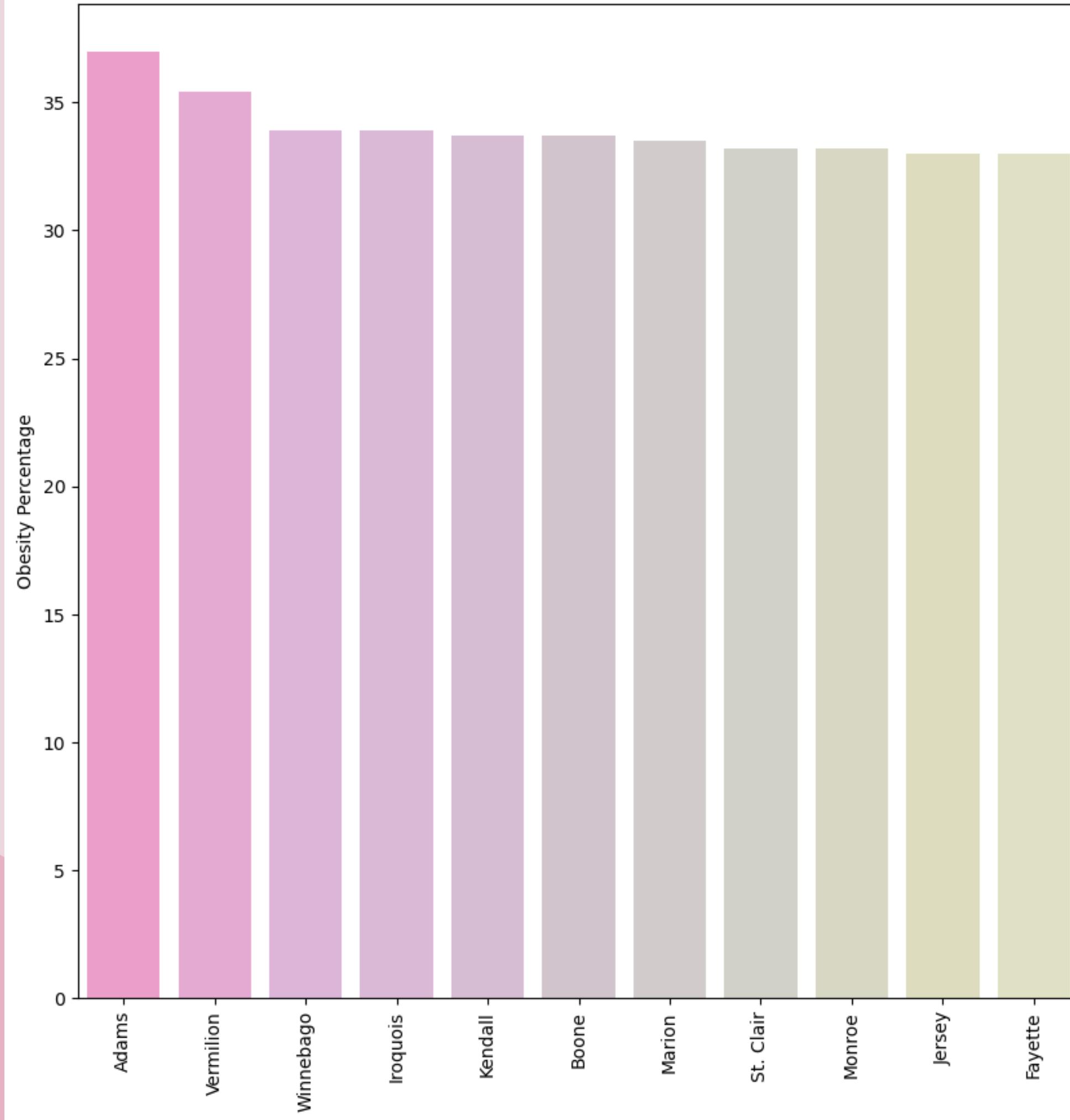
- Does obesity affect the death rate in people under 65?
- What factors could possibly affect obesity?
 - Income, race, or sex?

HOW DID I TRY TO ANSWER THE PREVIOUS QUESTIONS?

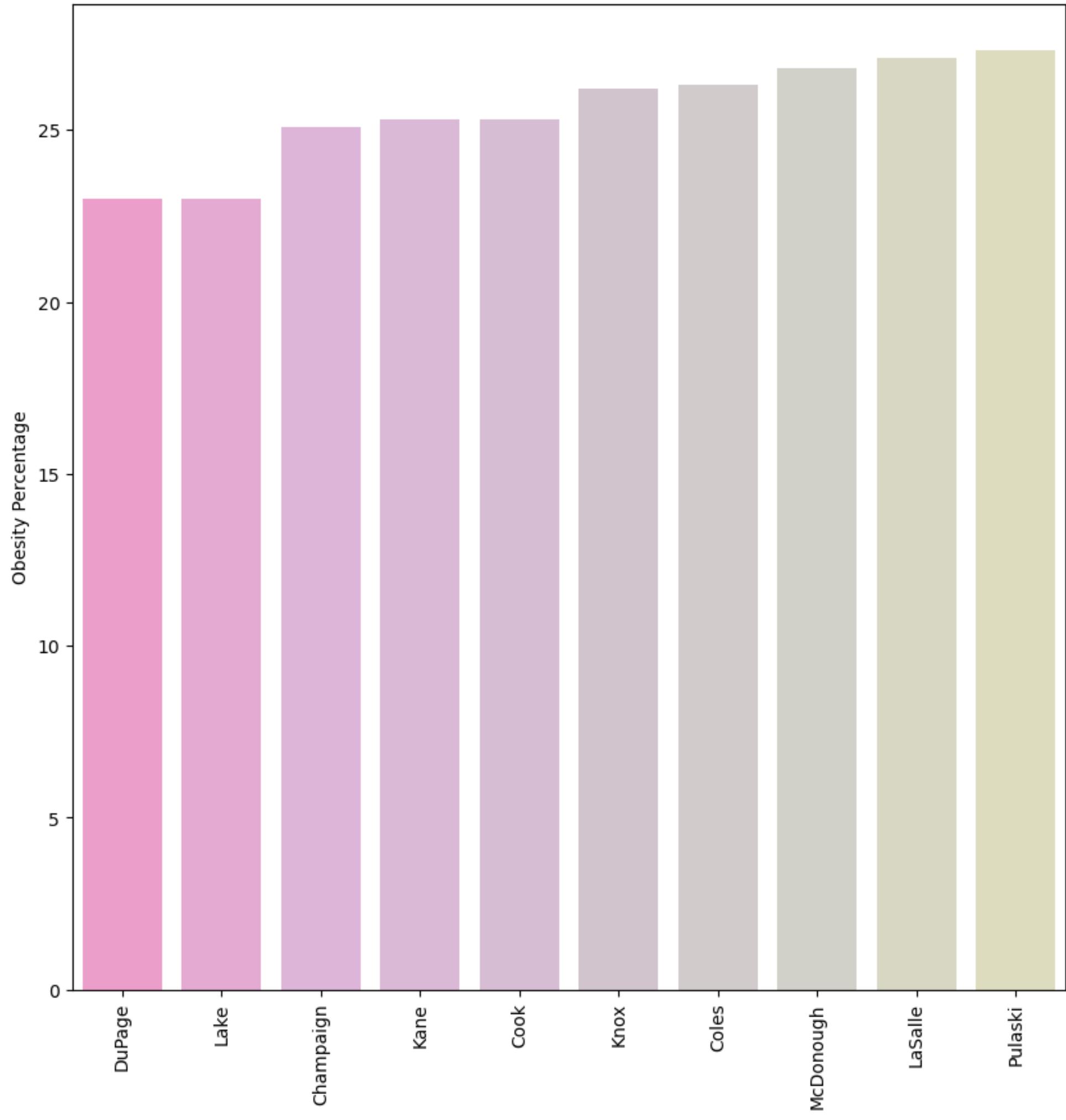
- Obesity in the family sparked interest
- Used data from the US Census, Illinois Department of Public Health, and Lake County Illinois GIS
- Data I downloaded, cleaned, and analyzed were regarding obesity rates, death rates, median income, race, and sex
- I used Excel, Python, and PowerBI to create valuable insights and visualizations



Top 10 Counties in IL with the Highest Obesity Percentage



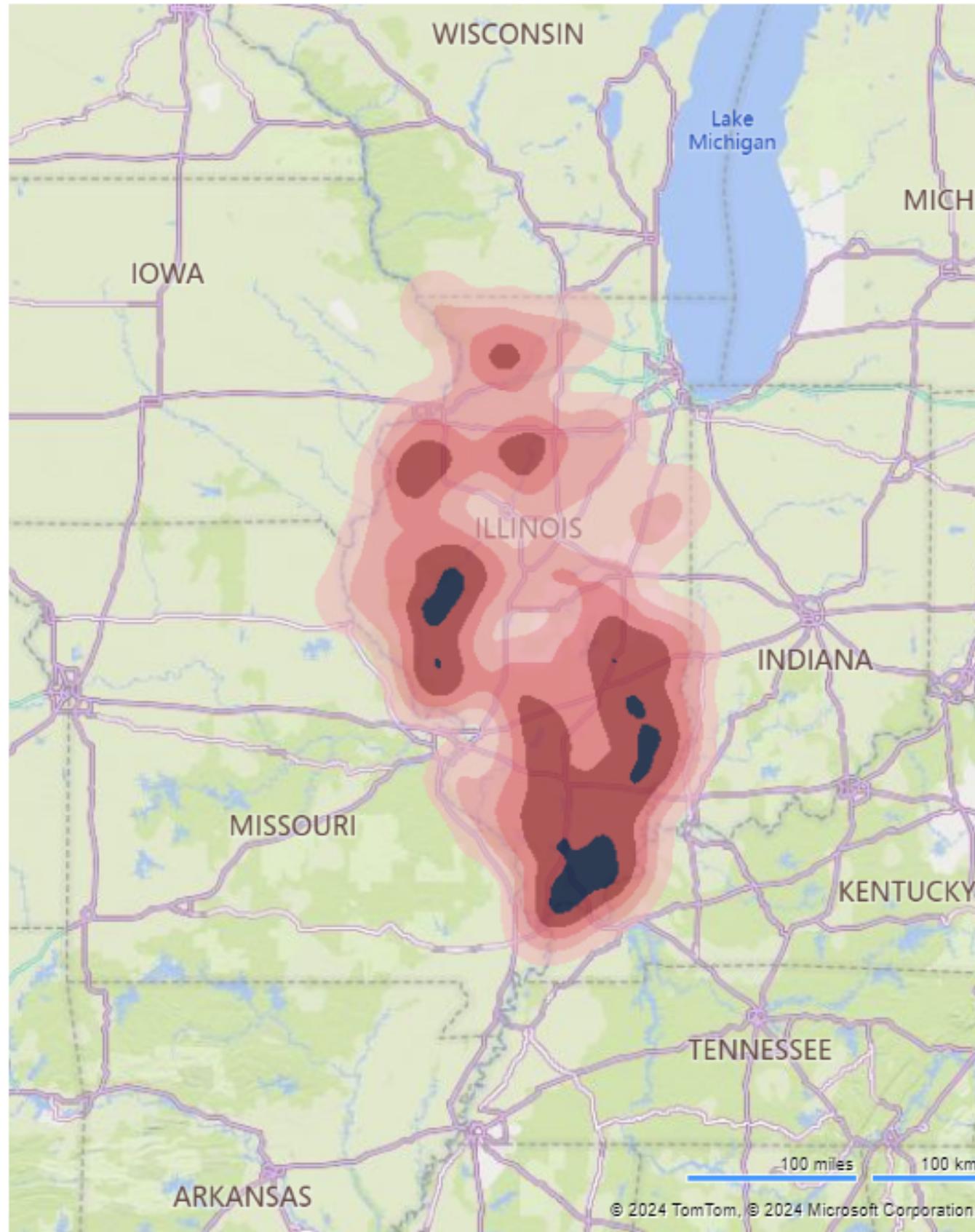
Top 10 Counties in IL with the Lowest Obesity Percentage



RURAL VS URBAN COUNTIES

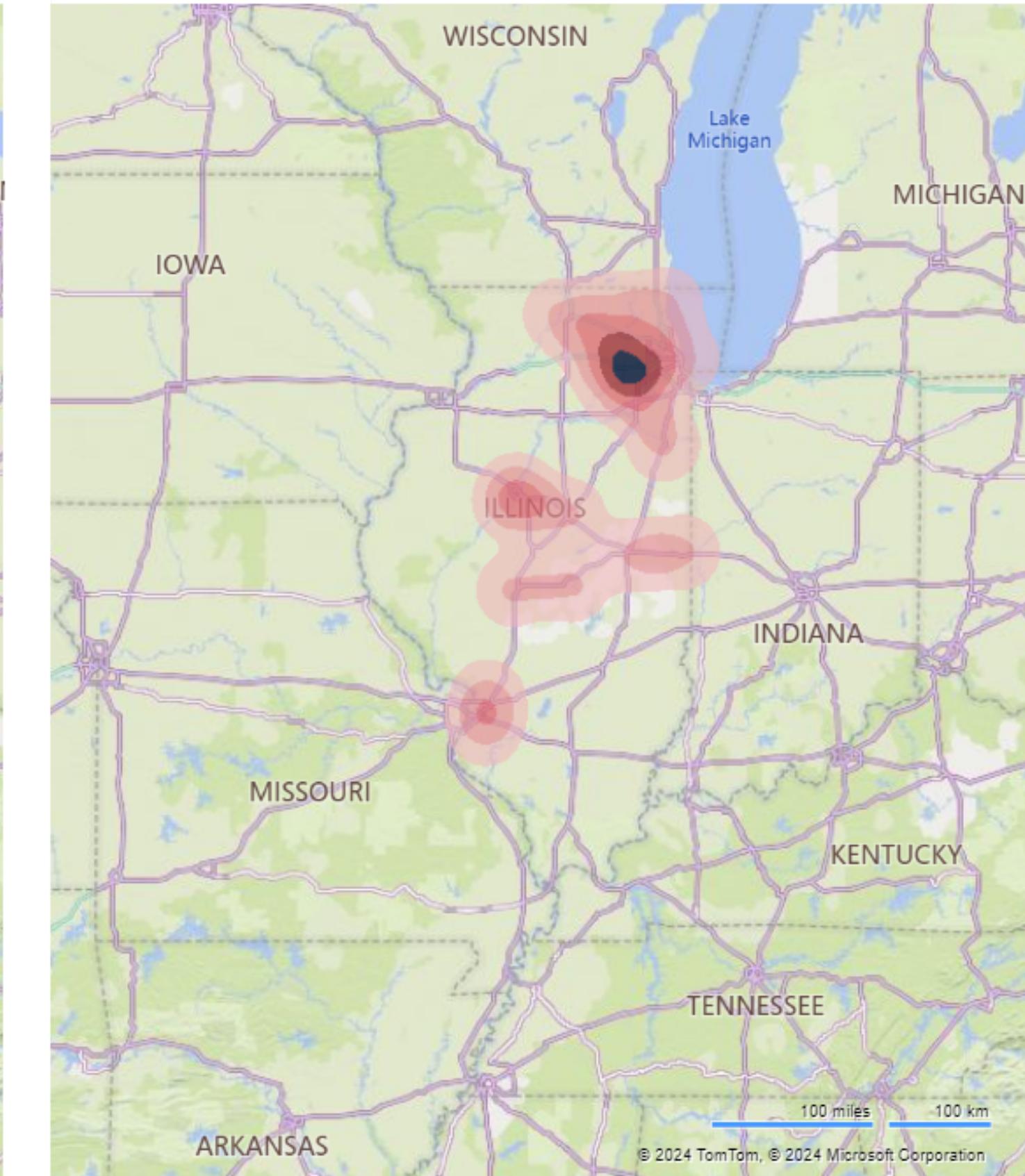
Rural Counties

83/83 displayed



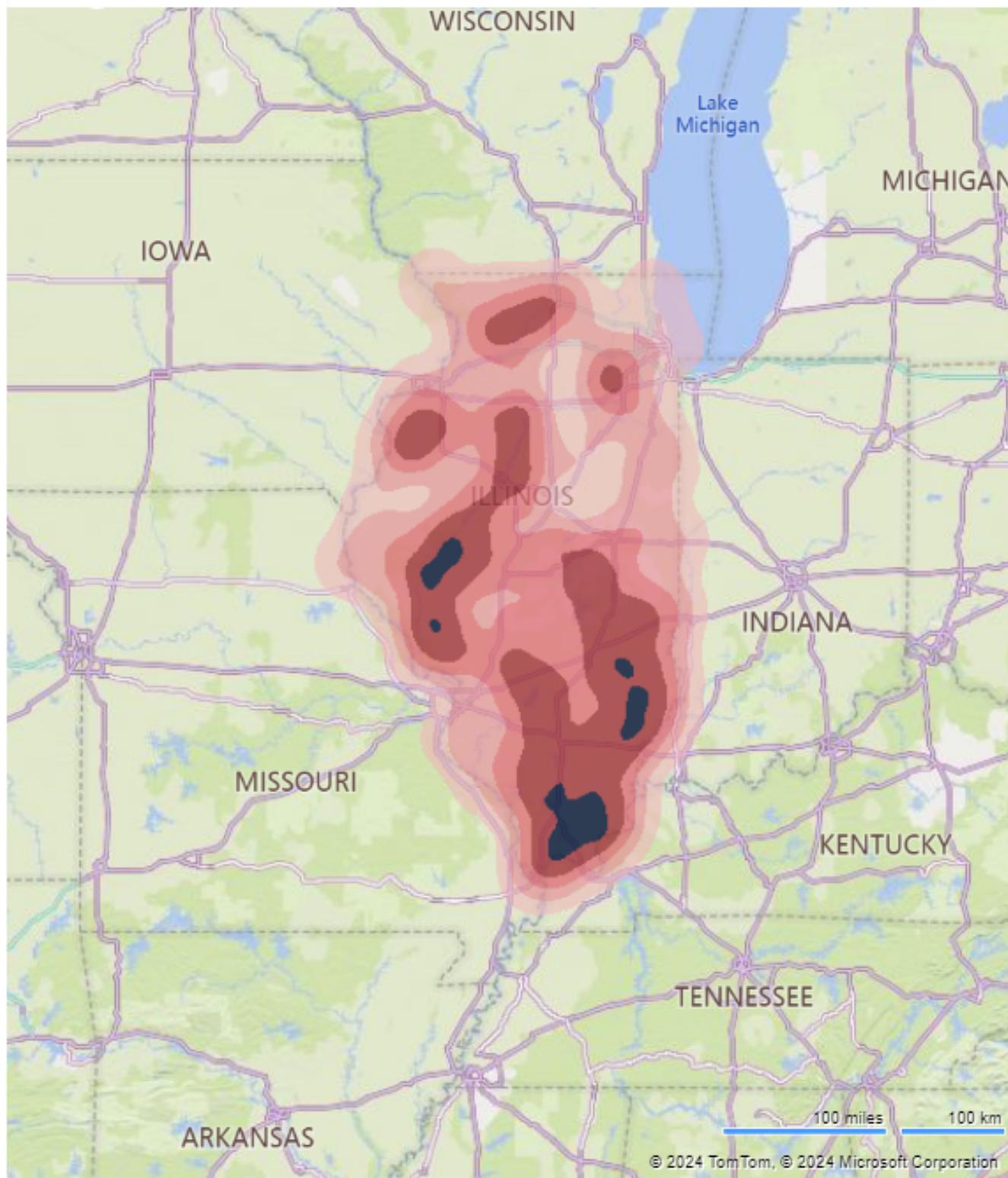
Urban Counties

19/19 displayed

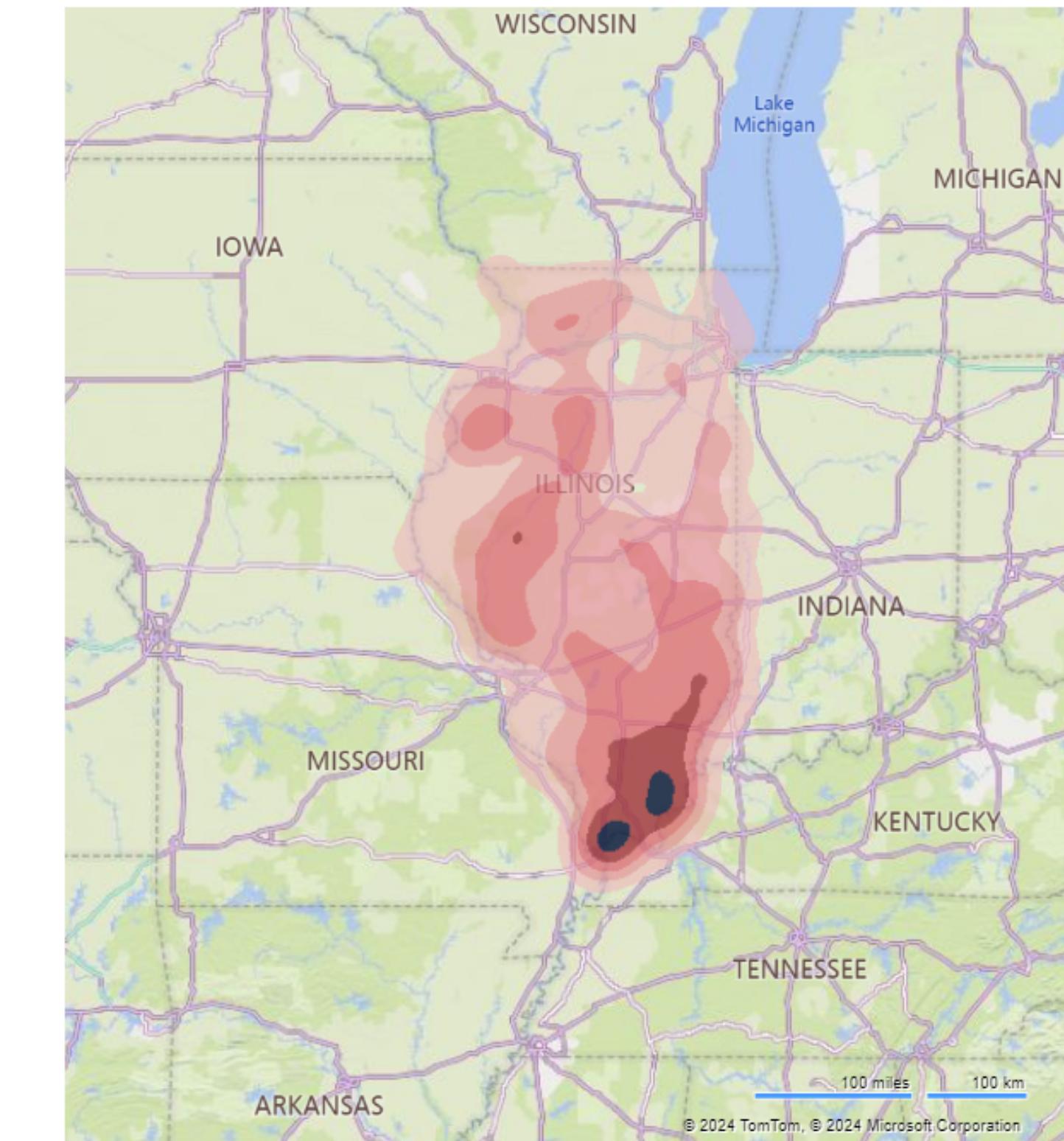


COMPARING THE OBESITY PERCENTAGES TO NUMBER OF DEATHS UNDER 65 YEARS OLD

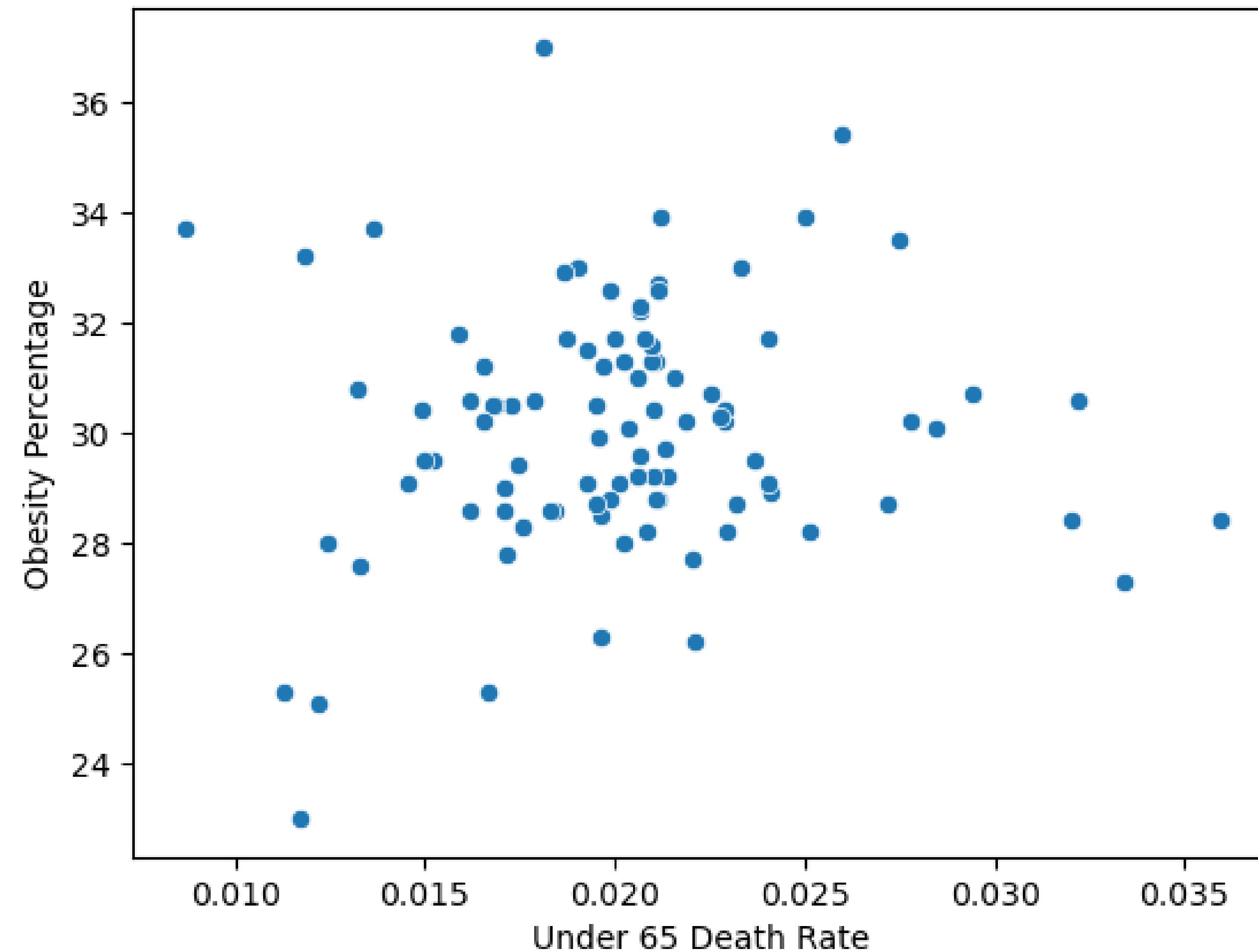
Obesity Percentage by Illinois Counties



Deaths Under 65 by Illinois Counties

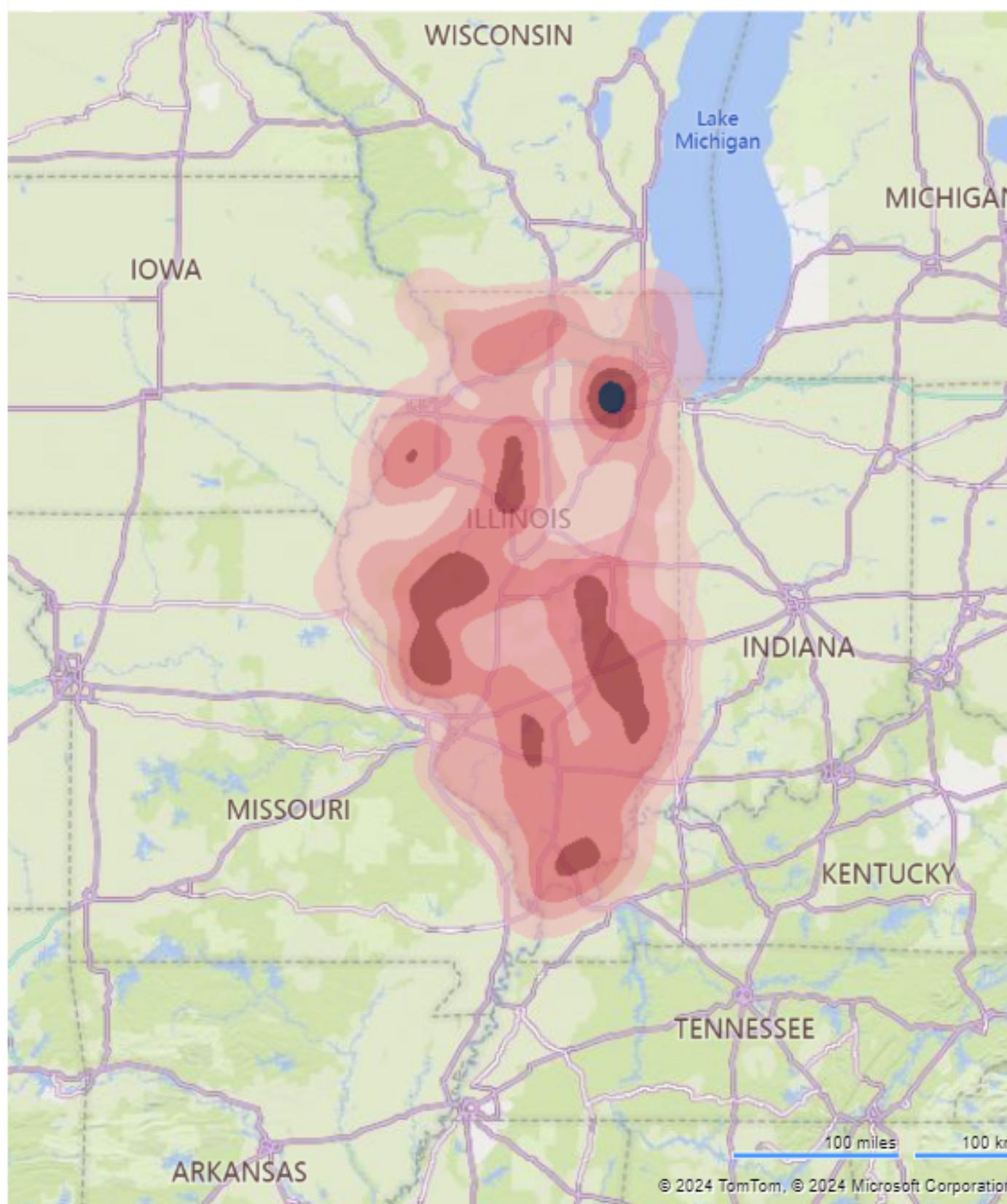


Obesity Percentage Rates and Deaths Under 65 Years Old by Counties in Illinois

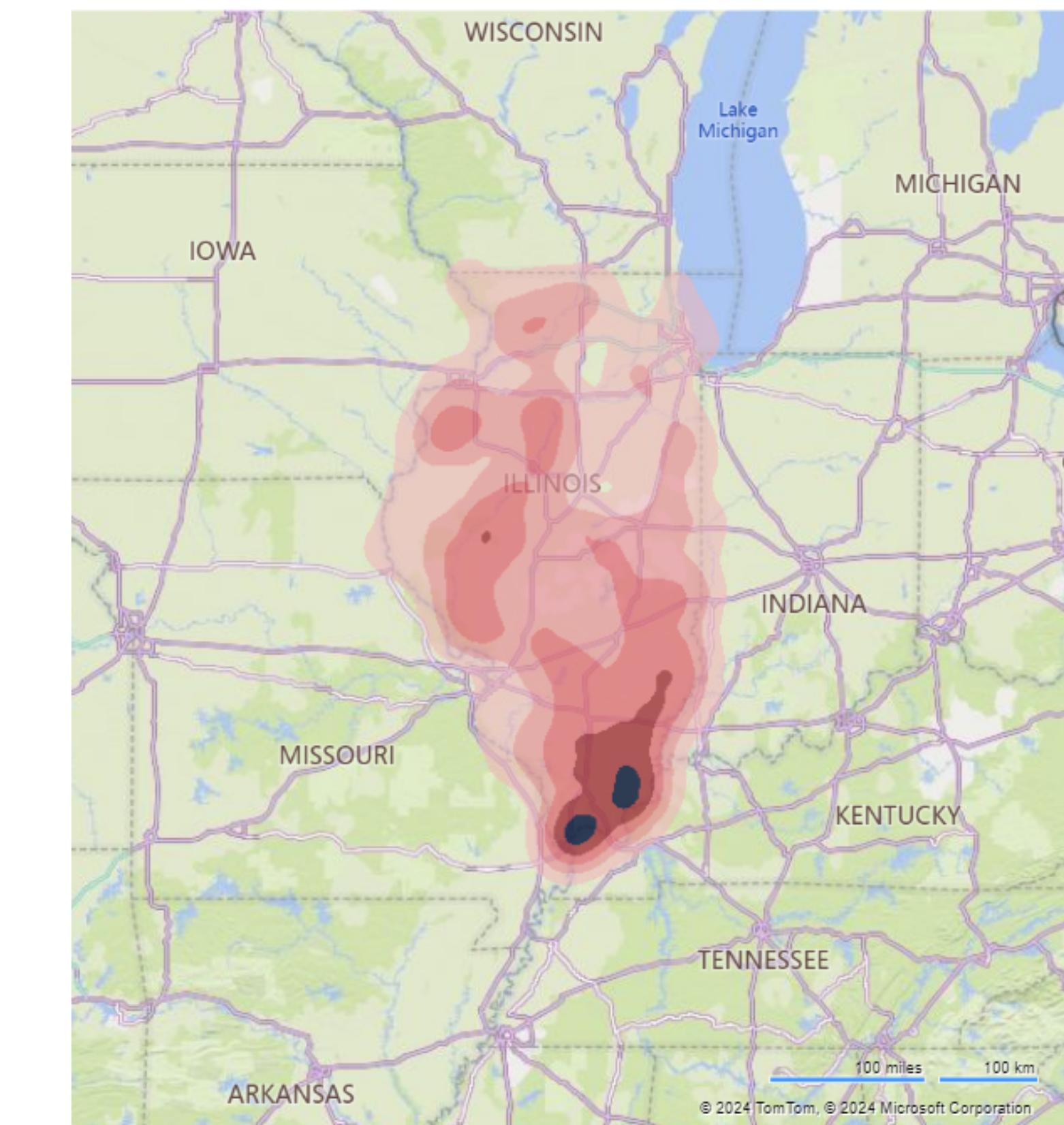


COMPARING THE MEDIAN INCOME TO NUMBER OF DEATHS UNDER 65 YEARS OLD

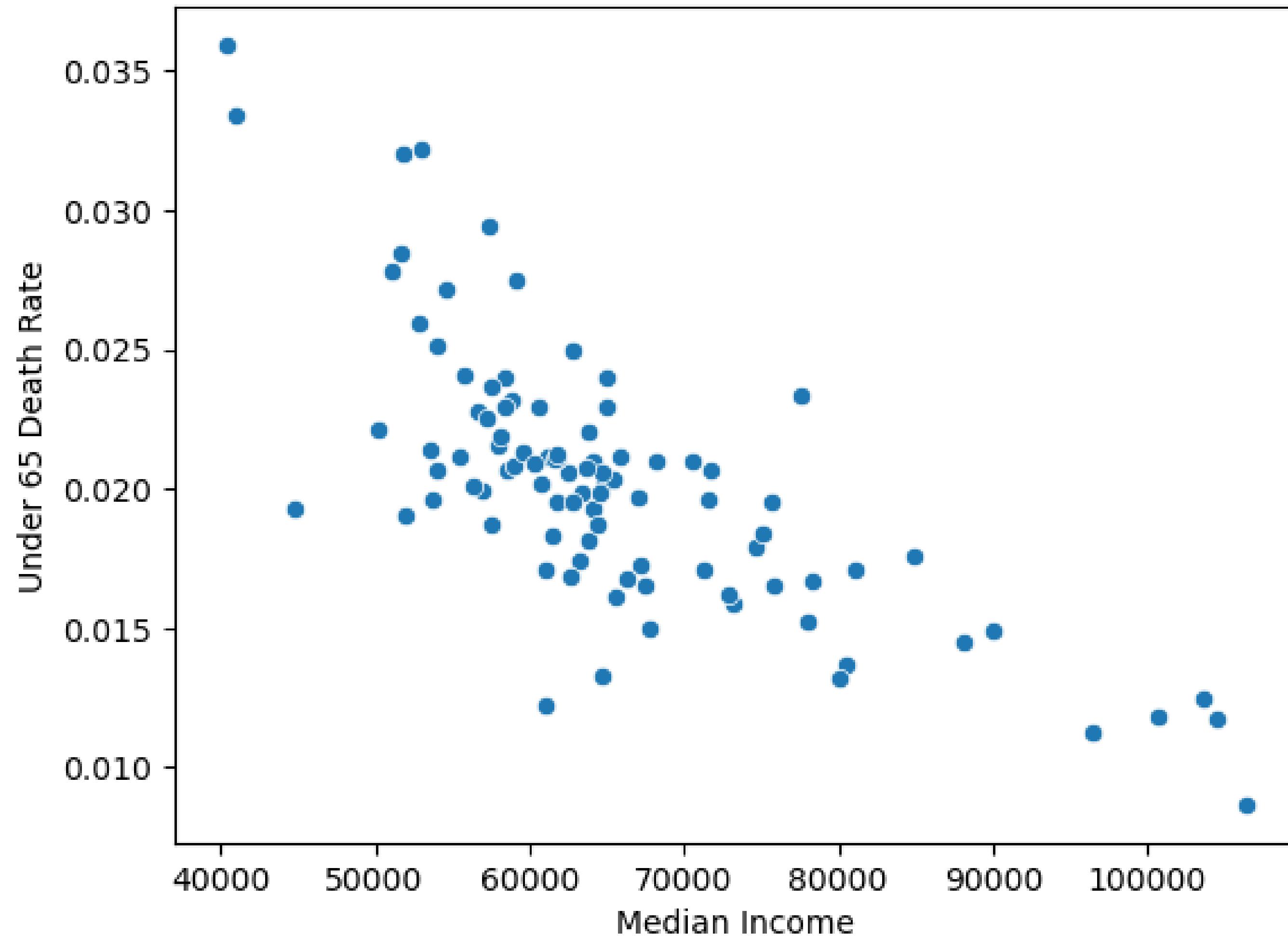
Median Income by Illinois Counties



Deaths Under 65 Years Old by Illinois Counties

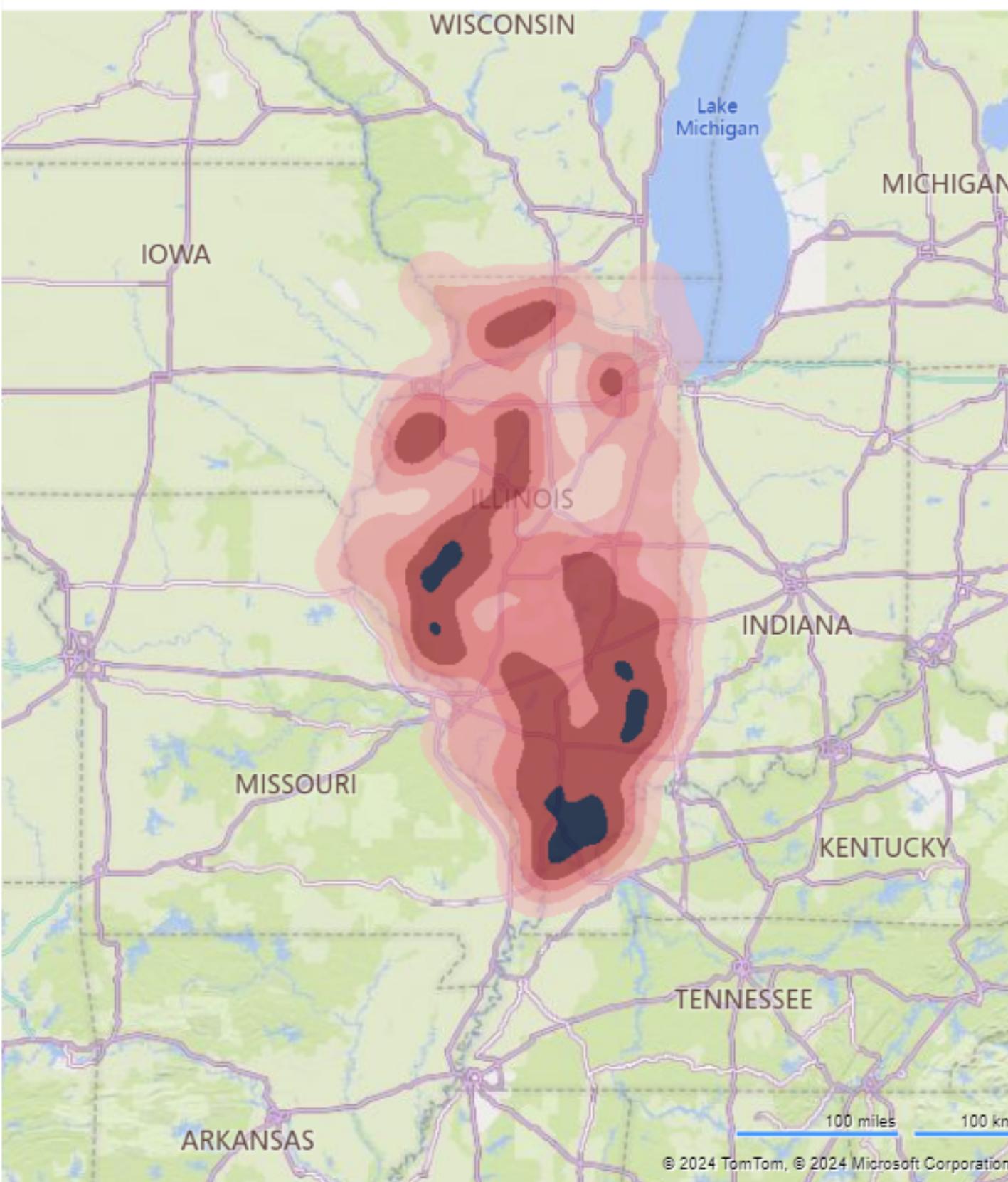


Median Income and Deaths Under 65 Years Old by Counties in Illinois

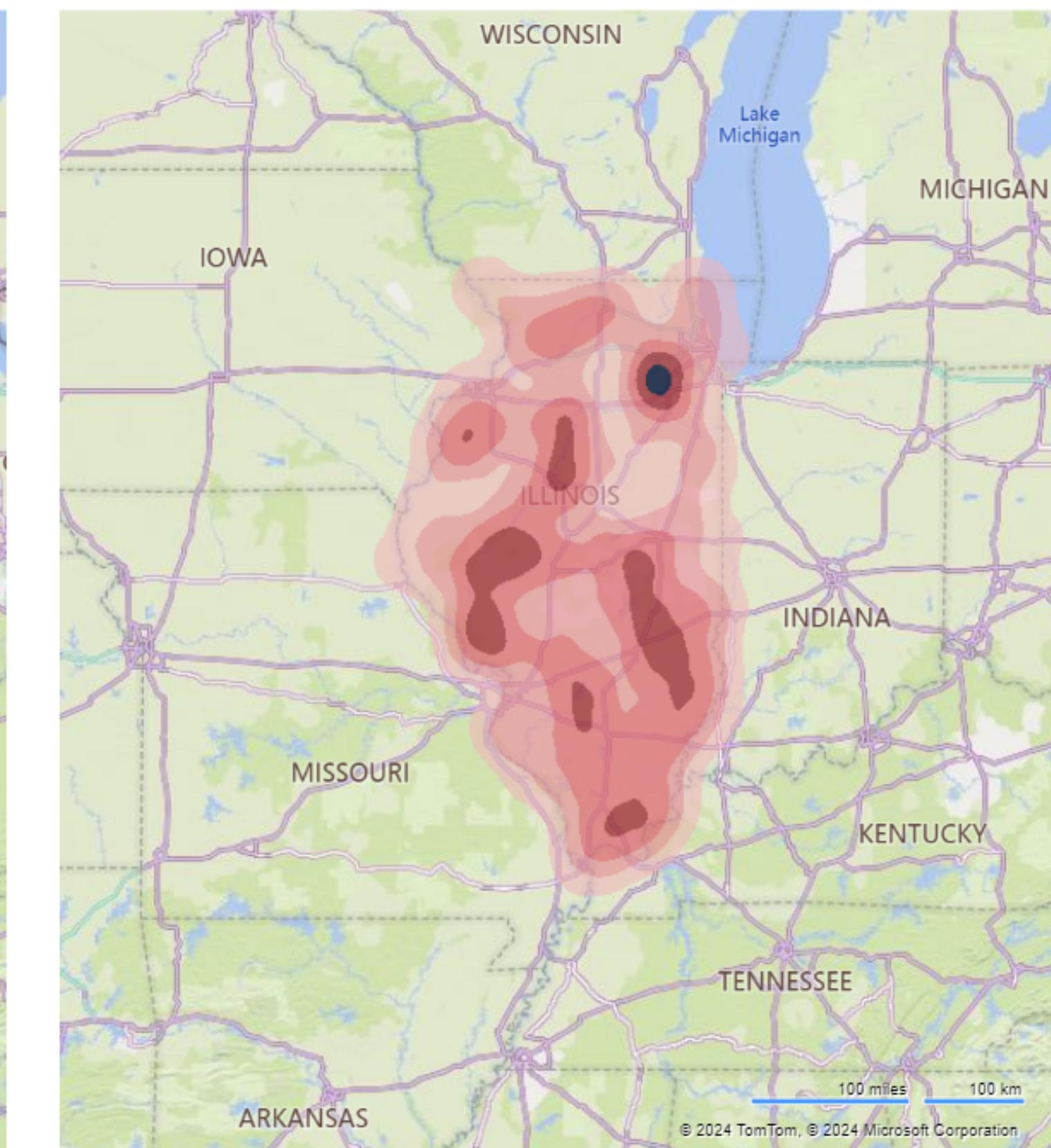


COMPARING THE OBESITY PERCENTAGE TO MEDIAN INCOME

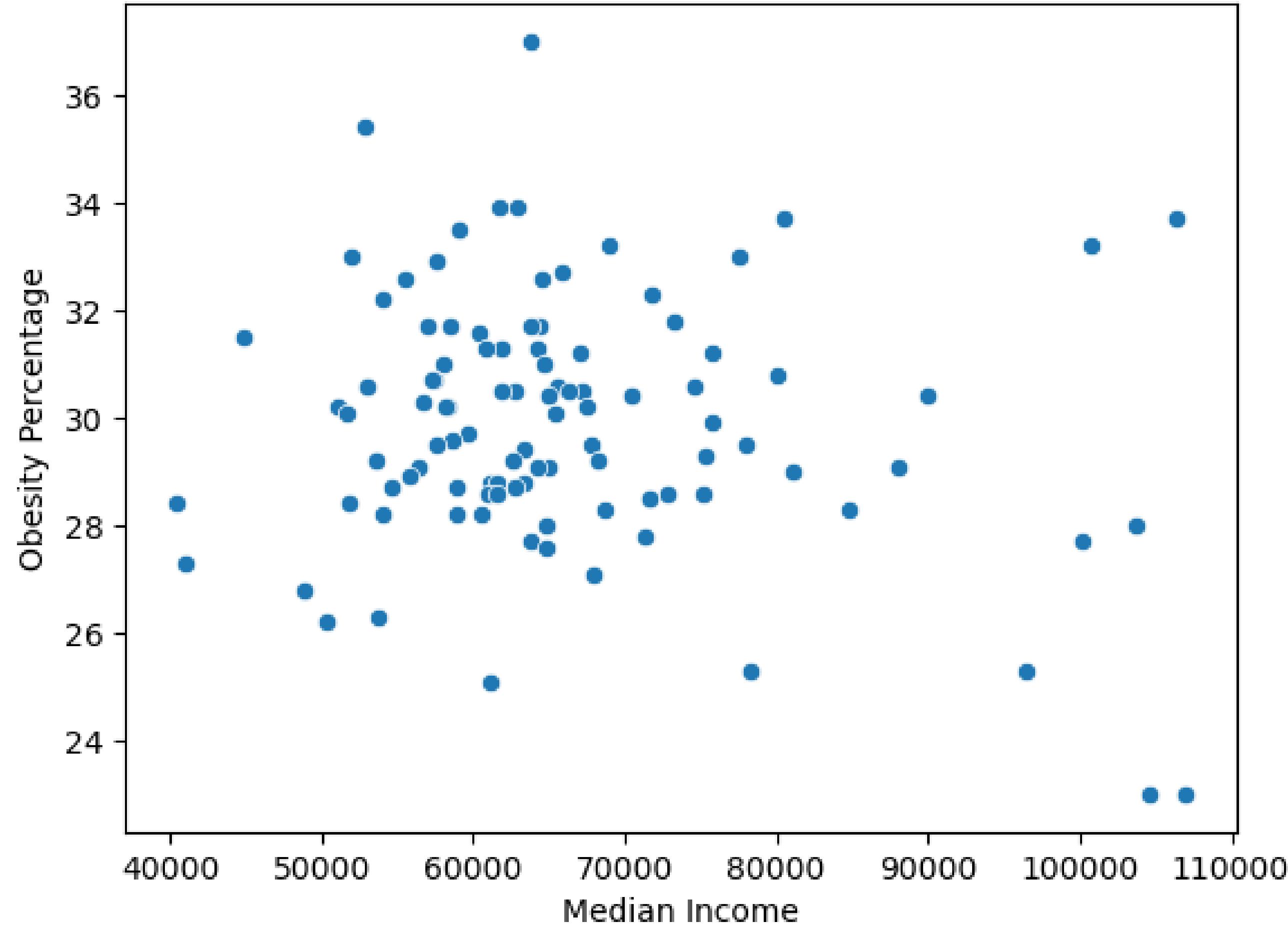
Obesity Percentage by Illinois Counties



Median Income by Illinois Counties



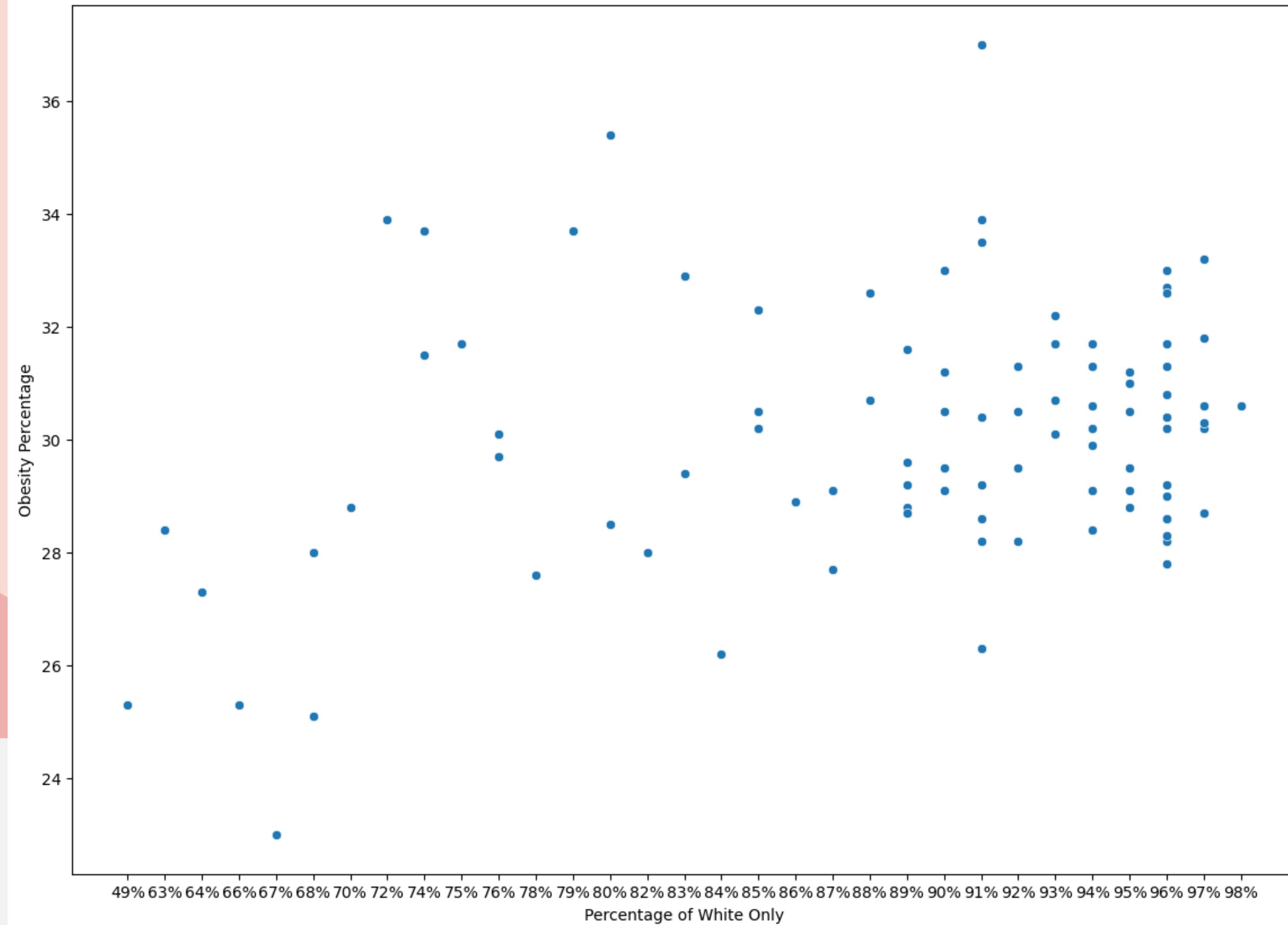
Obesity Rates and Median Income by Counties in Illinois



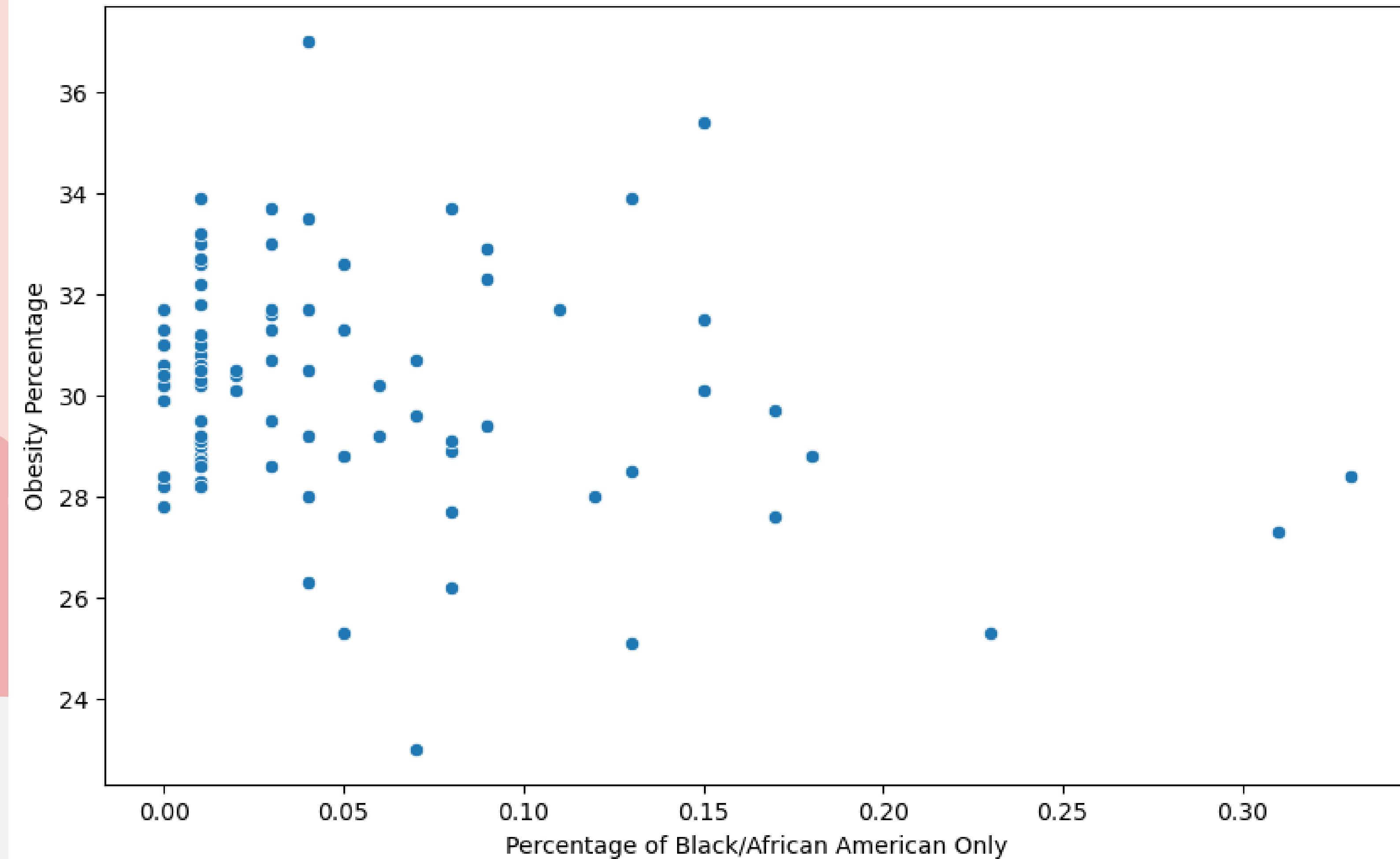
MAYBE RACE IS RELATED TO OBESITY PERCENTAGES?

- **WHITE ONLY**
- **BLACK/AFRICAN AMERICAN ONLY**
- **ASIAN ONLY**
- **TWO OR MORE RACES**

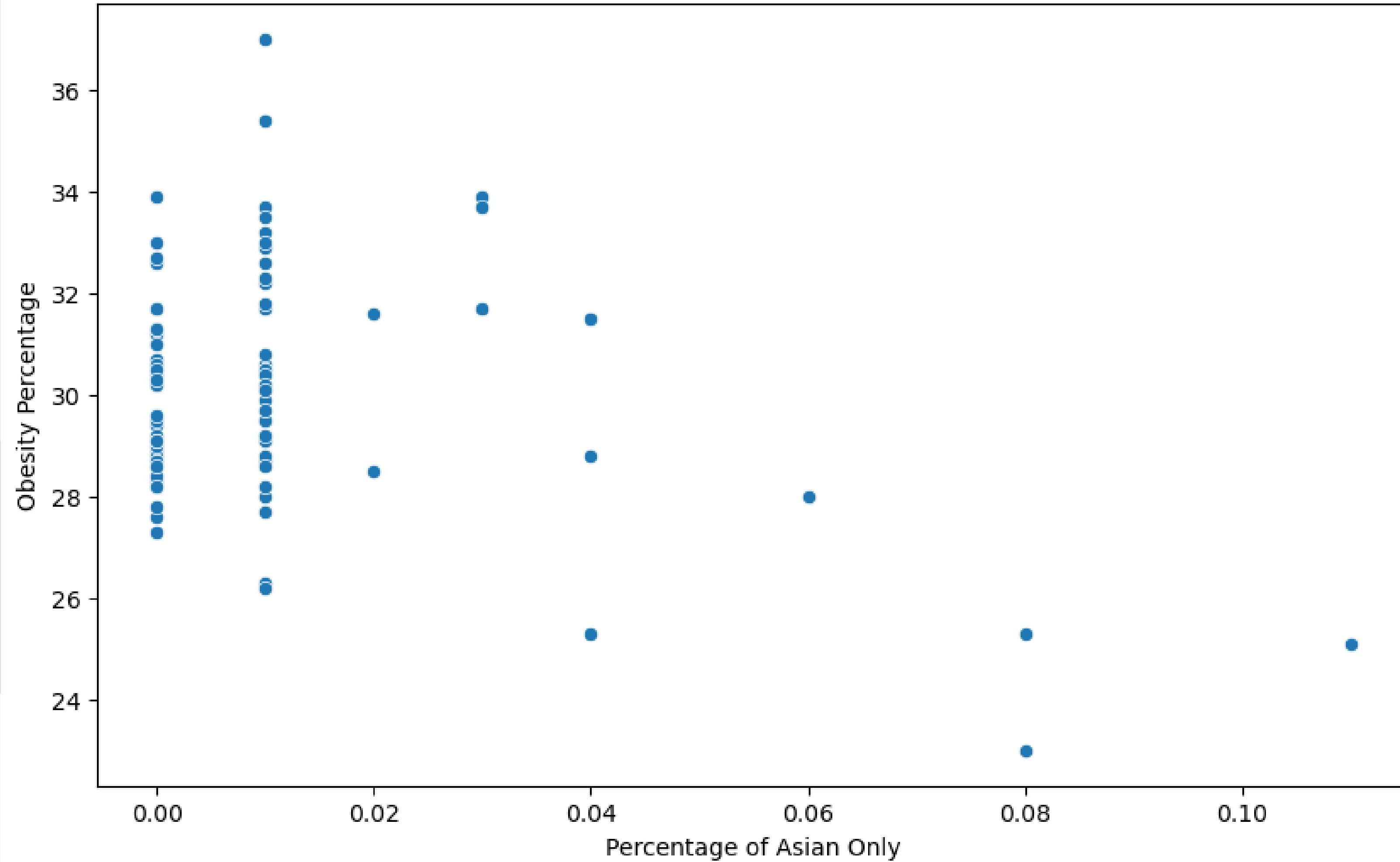
Obesity Related to People Who Identify as White Only by Counties in Illinois



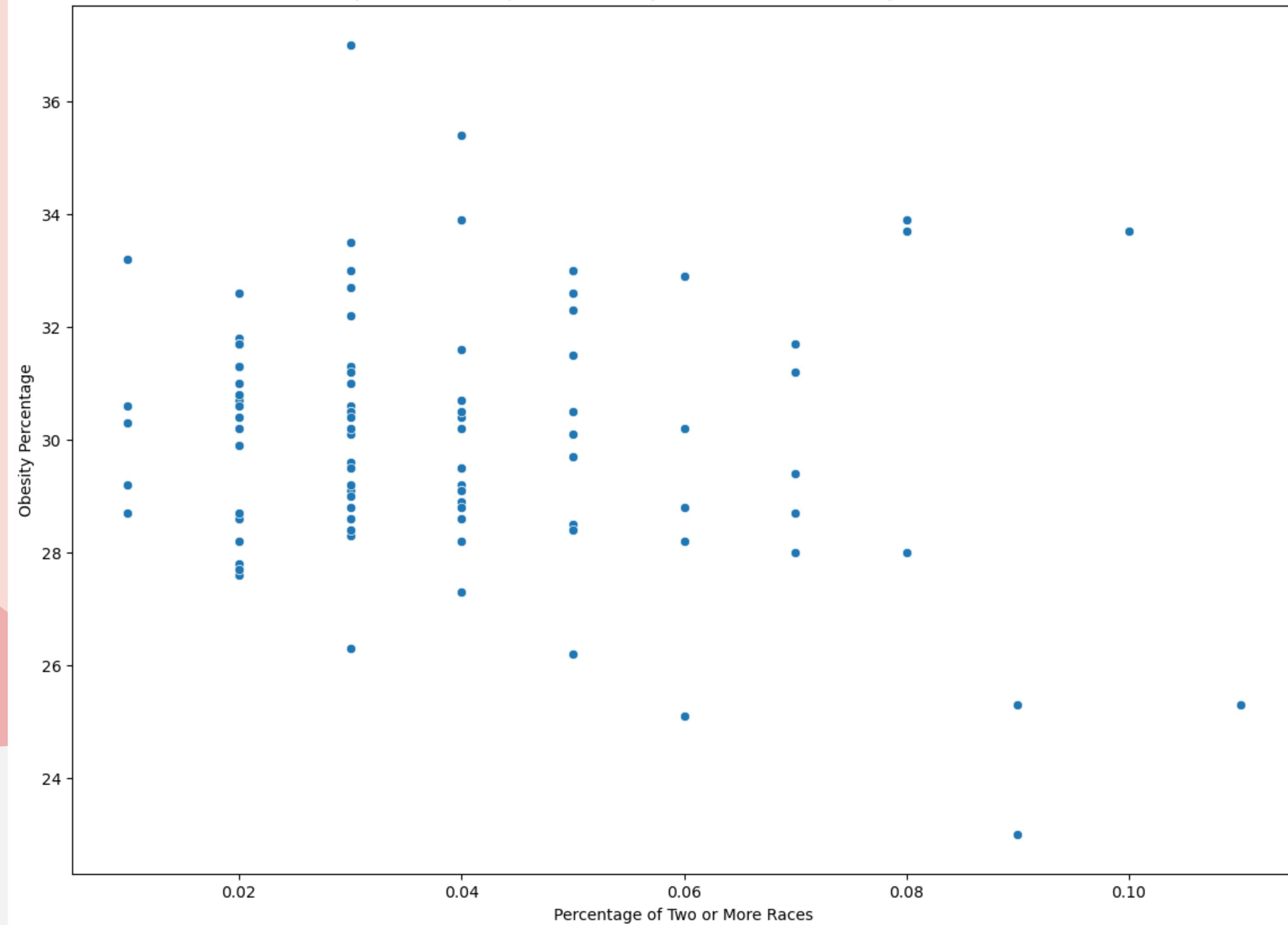
Obesity Related to People Who Identify as Black/African American Only by Counties in Illinois



Obesity Related to People Who Identify as Asian Only by Counties in Illinois

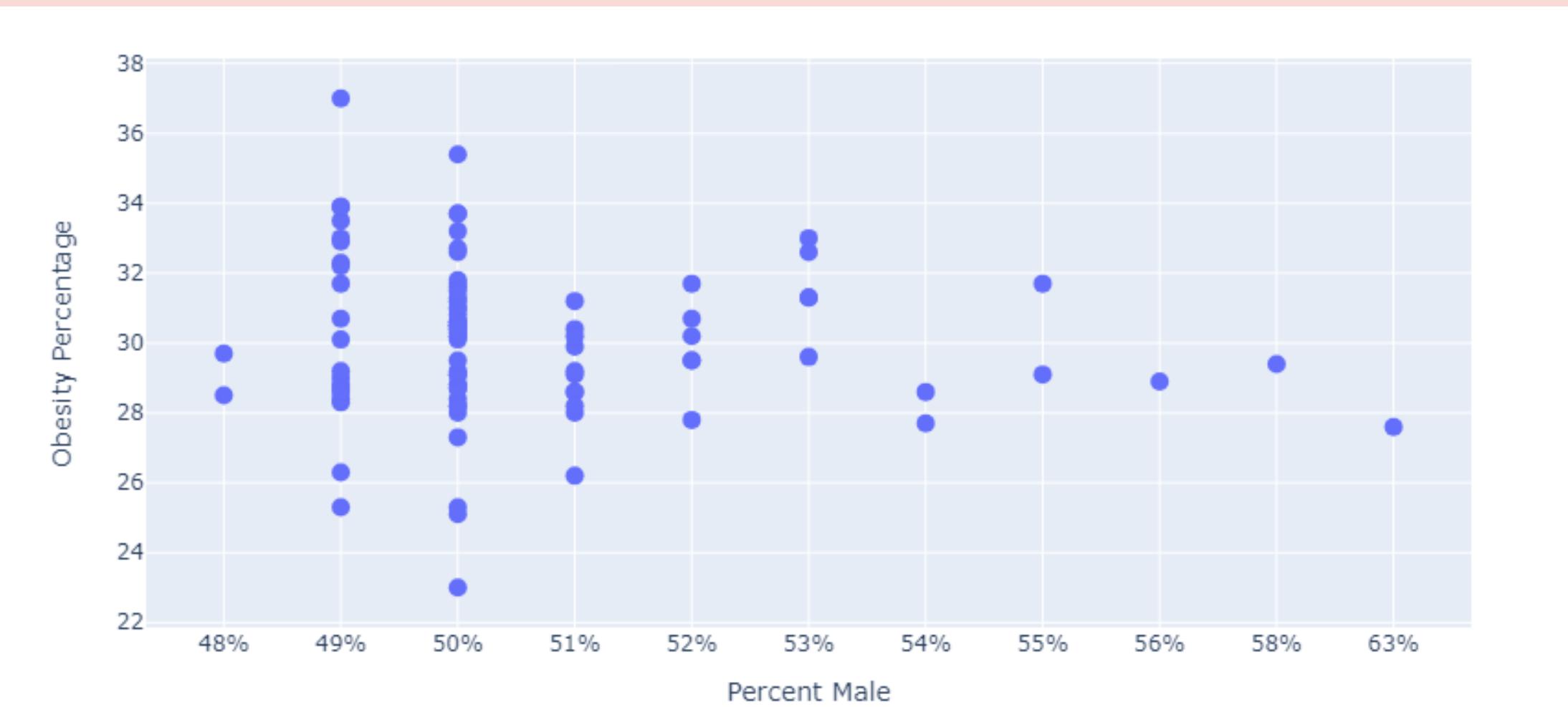
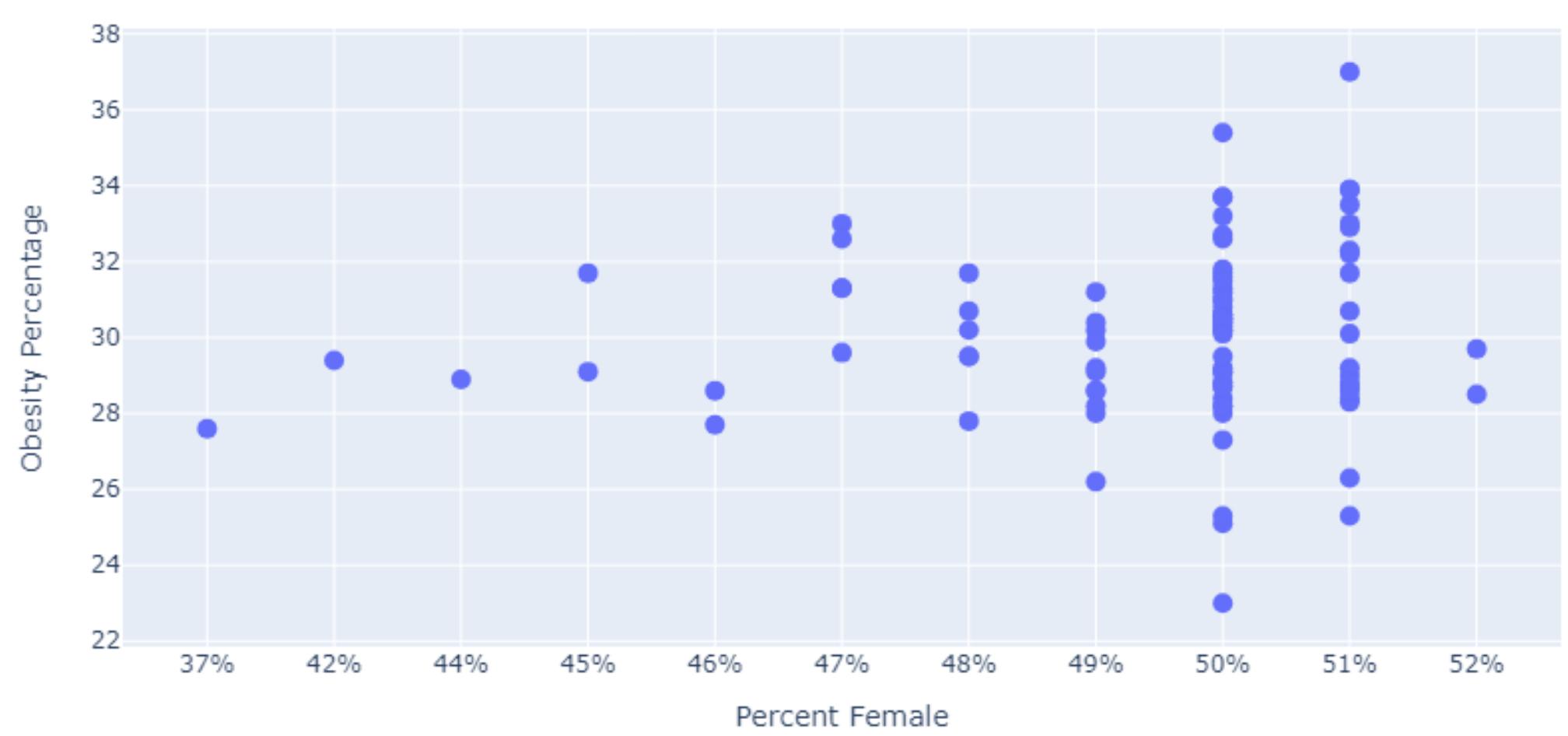


Obesity Related to People Who Identify as Two or More Races by Counties in Illinois



DOES A PERSON'S SEX AFFECT OBESITY?

- FEMALE
- MALE



TAKEAWAYS

- OBESITY DOES NOT SEEM TO BE STRONGLY RELATED TO INCOME, RACE, OR SEX
- MEDIAN INCOME RELATES TO DEATHS UNDER 65 YEARS OLD



QUESTIONS?