
Examining Determinants of Opioid Mortality

Baltimore City Council to Hold Hearings on Drug Overdoses

The city's overdose epidemic death rate never before seen

By EMILY SULLIVAN, NICK THIEME,

The Opioid Crisis Hasn't Gone Away. It's Just Gone Underground.

Prescribing Crisis

BY
NICOLE COLSON

A profit-hungry pharmaceutical industry and an indifferent political class are fueling the deadly opioid epidemic.



LETTERS

Mixed News About Opioid Overdoses

LETTERS

Regulating Opioid Prescriptions

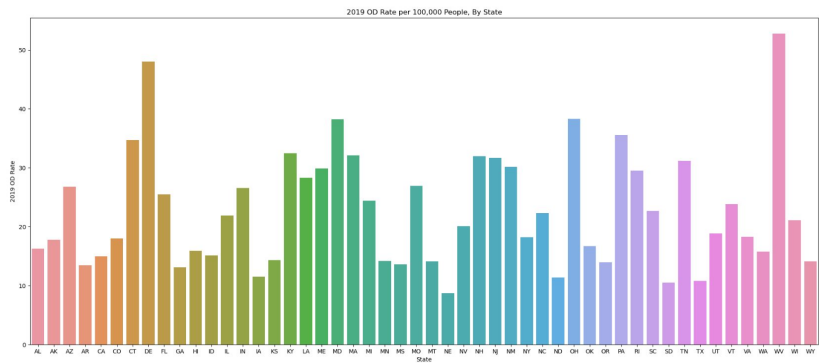
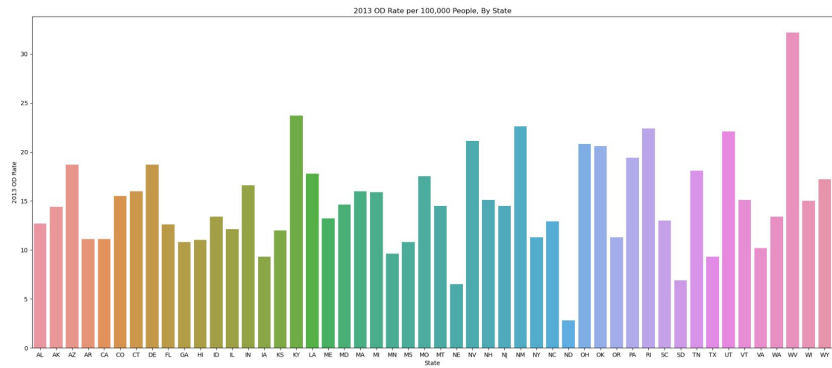
Pain management is an inexact science; there is plenty of blame to go around for the abuse of such drugs.

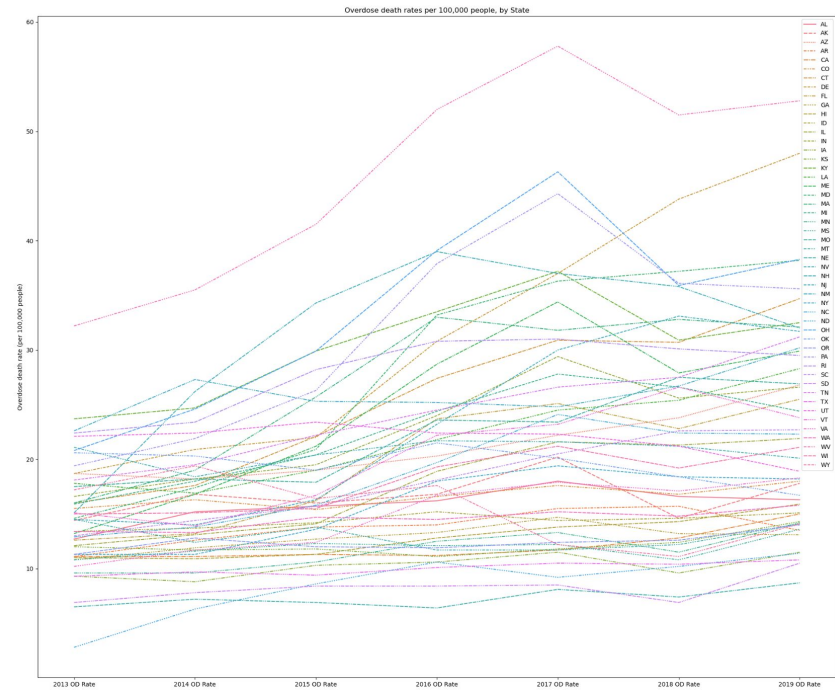
The Opioid Crisis

Research Questions

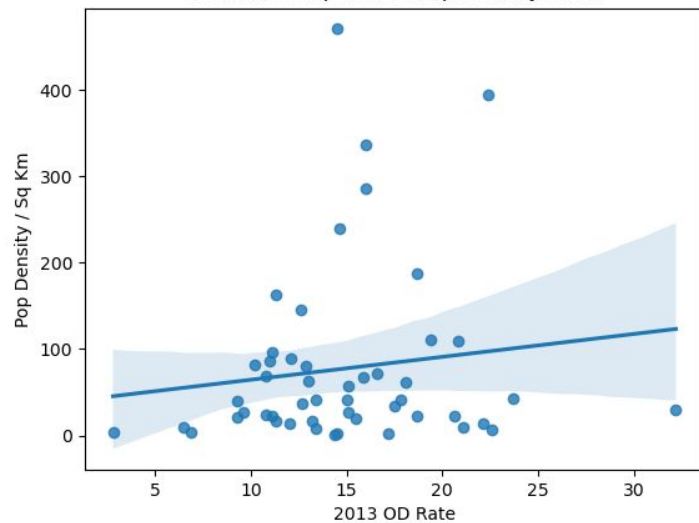
1. What demographics are susceptible to higher rates of opioid mortality?
 2. Is the opioid crisis region/state specific?
 3. Does poverty influence opioid mortality rates?
 4. Has access to prescription opioids shaped the current wave of the opioid crisis?
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Is the opioid crisis region/state specific?

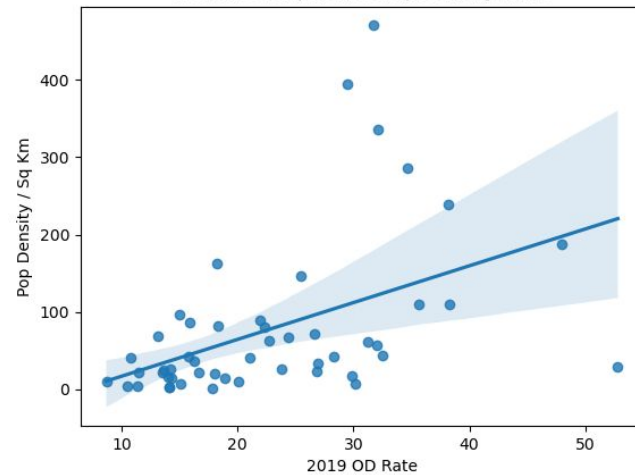




OD Rate Compared to Pop Density, 2013



OD Rate Compared to Pop Density, 2019



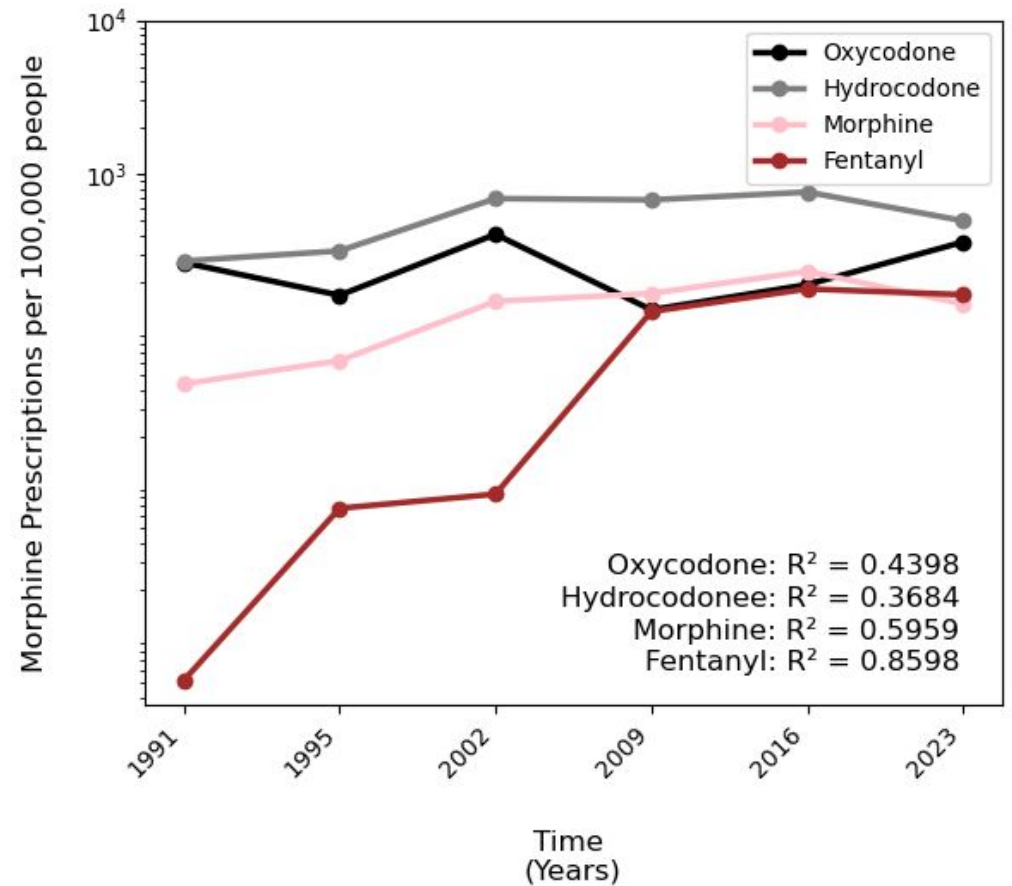
Does poverty influence opioid mortality rates?



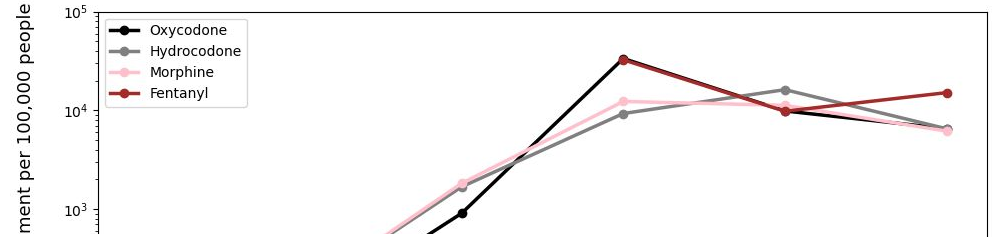


Has access to prescription opioids shaped the current wave of the opioid crisis?

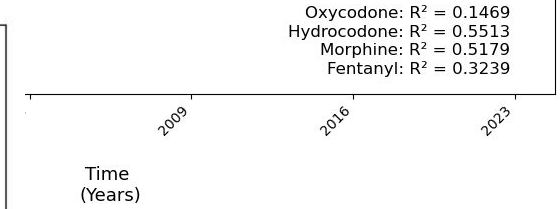
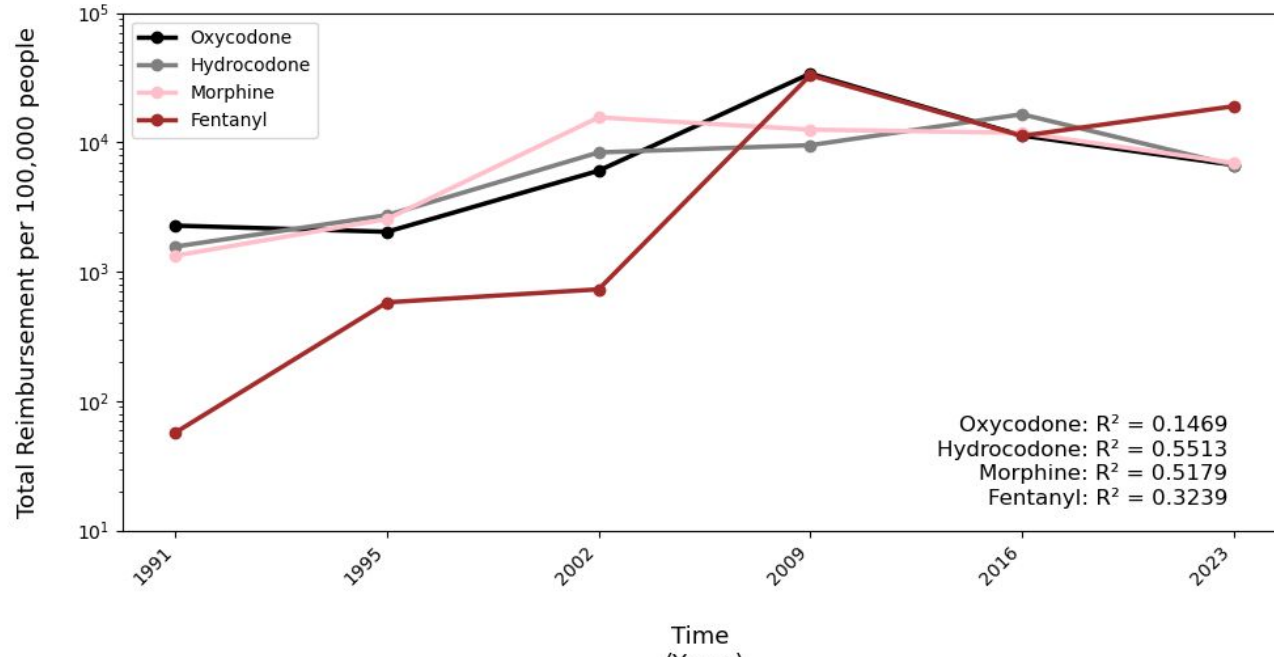
Country Level Trends in Morphine Prescription



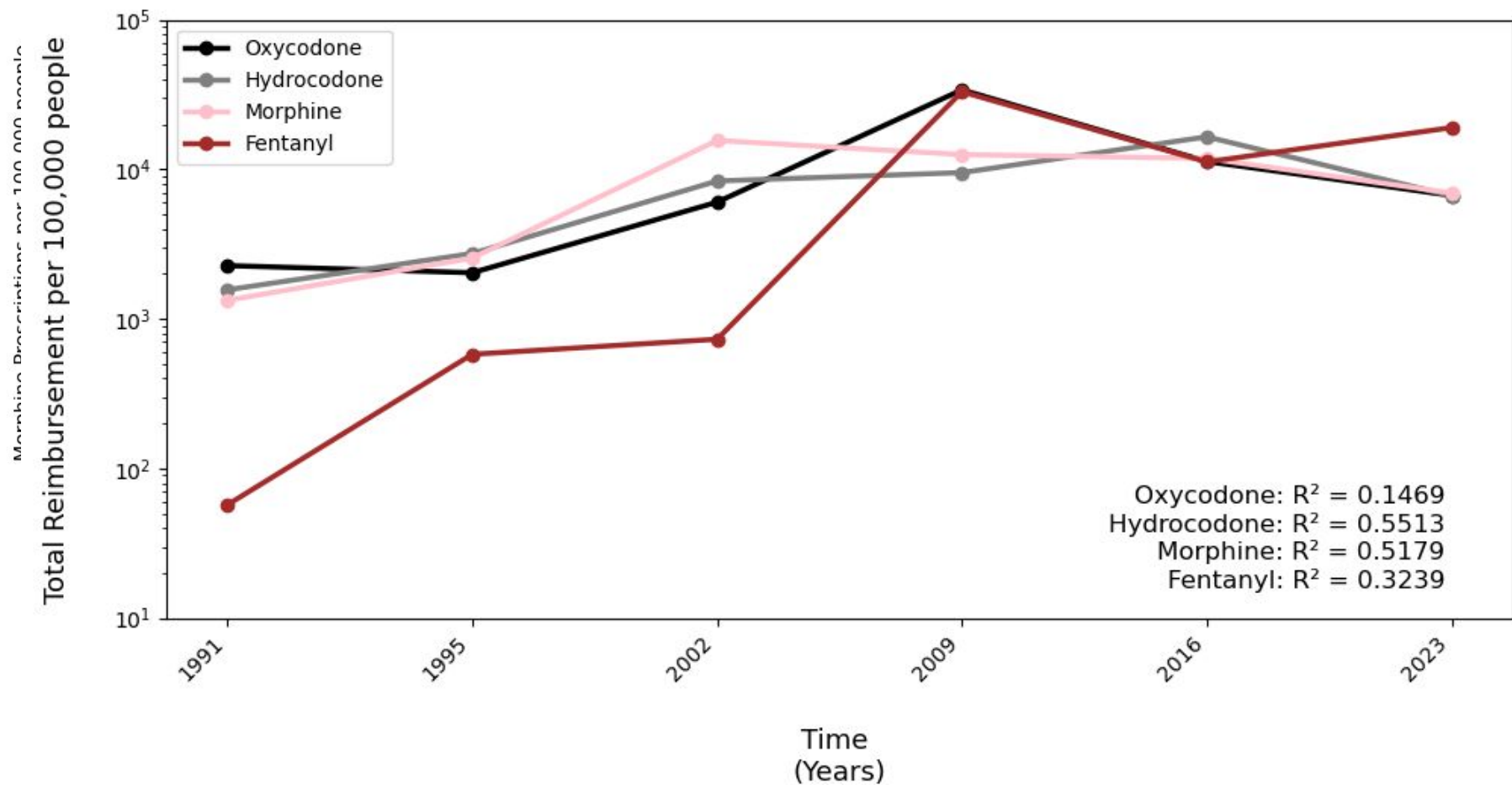
Medicaid Reimbursement Trends for Opioids in the U.S.



Total Reimbursement Trends for Opioids in the U.S.



Total Reimbursement Trends for Opioids in the U.S.







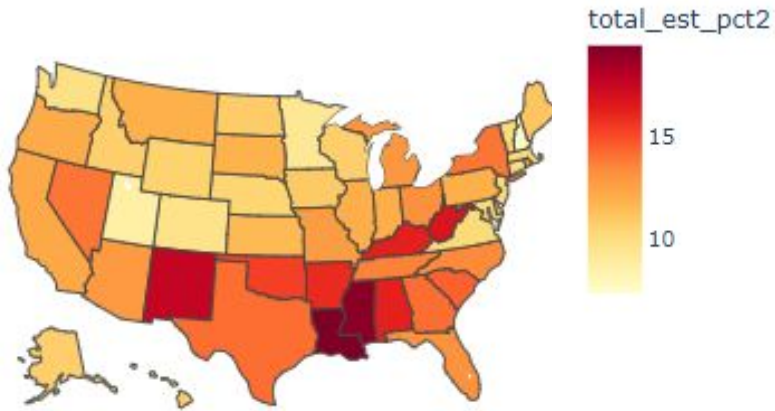


What demographics are susceptible to higher rates of opioid mortality?

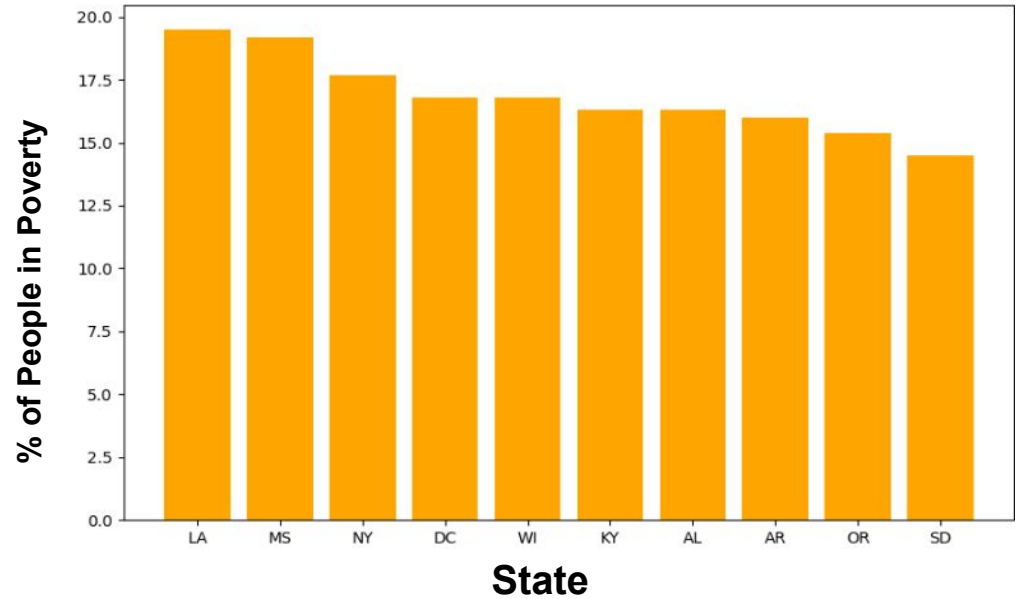
By state, does the % of people living in poverty have a relation to the # of opioid related deaths?

% of U.S Population Living in Poverty by State

% of States Population Living In Poverty

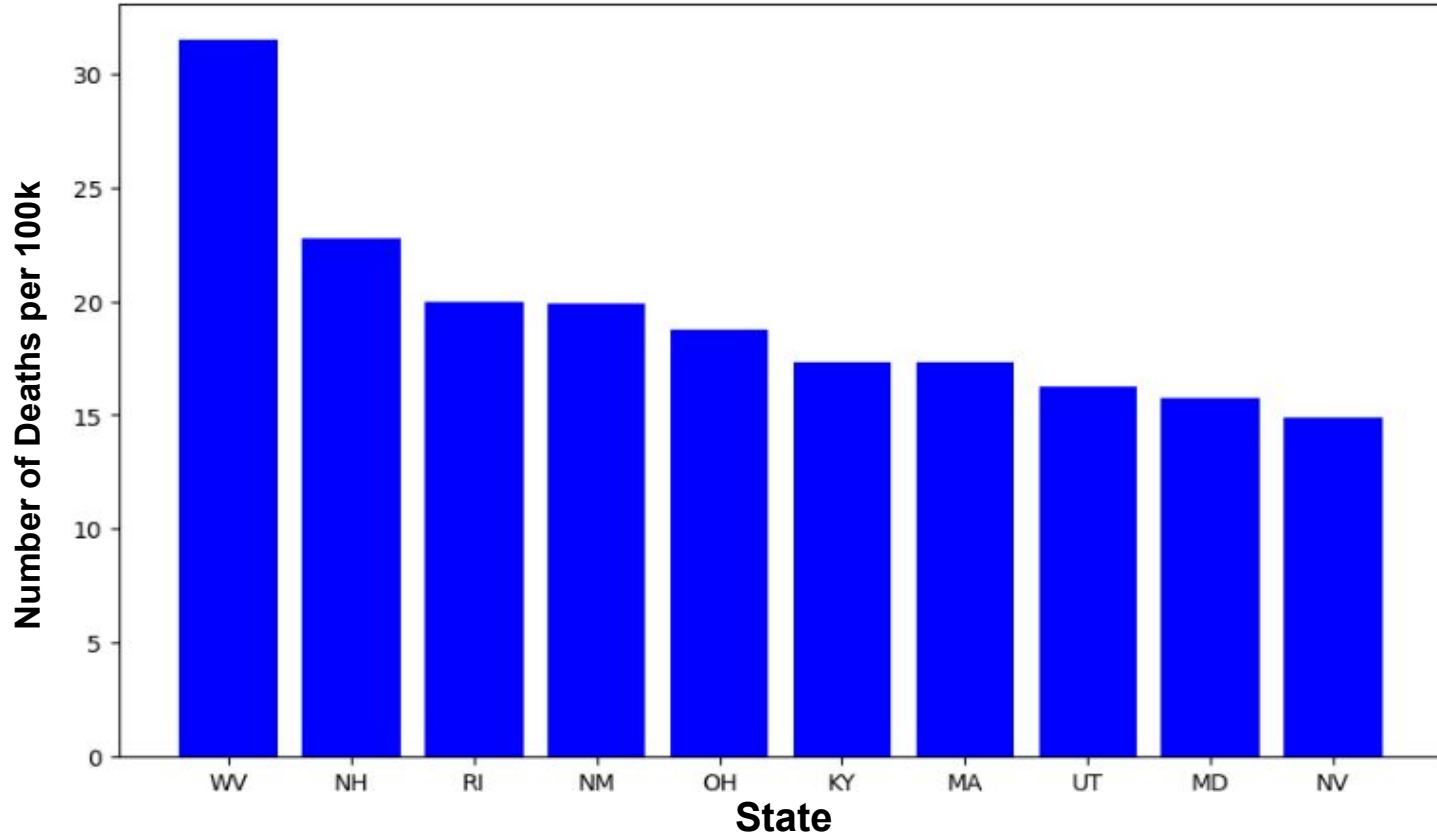


Top 10 States with Highest % of People Living in Poverty



Opioid Related Deaths by State

Top 10 States with Highest # of Opioid Related Deaths



Dataset Findings Broken Down

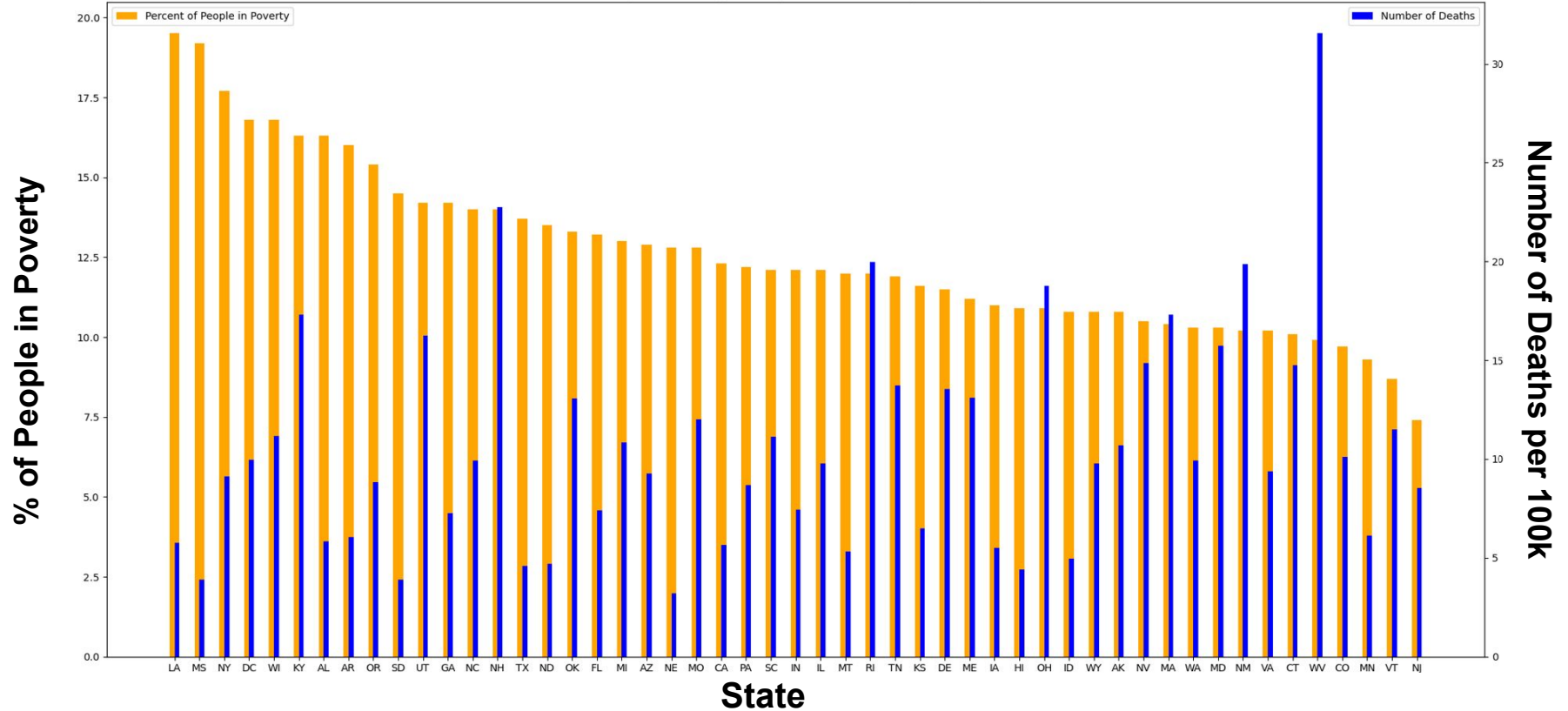
A. Top 5 States with Highest % of Population Living in Poverty

1. Louisiana
2. Mississippi
3. New York
4. DC
5. Wisconsin

B. Top 5 States with Highest # of Opioid Related Deaths

1. West Virginia
2. New Hampshire
3. Rhode Island
4. New Mexico
5. Ohio

% of States Population Living in Poverty Vs. Opioid-Related Deaths per 100k by State



Proposed Question: By State, Does the % of People Living in Poverty have a Relation to the # of Opioid Related Deaths?

- After all my findings and displaying these findings using bar graphs and heatmaps, we expect the top States with the highest poverty rates to also have the highest number of opioid related deaths.
- the data clearly shows that by each individual states poverty level compared to the # of opioid related deaths shows that our expectations were not accurate



Findings Summary

1. The opioid crisis is higher in _____regions
2. No correlation between poverty and mortality
3. Upward trend in opioid prescription for synthetic version which is.....
4. Men between 25-35 more susceptible

Conclusion: “

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Conclusion

Limitations of our study: