# 

Center for Social Research

Naloxone Standing Order Project

CDC WONDER Data Project

# Background

The Center for Social Research is working on evaluating Michigan’s state-wide naloxone standing order. Naloxone is a drug that reverses opioid overdose. An opioid can be a prescription opioid for pain like oxycodone or morphine or non-prescription like heroin.

The standing order evaluation is part of the larger MODA (Michigan overdose data to action) initiative to combat the opioid epidemic. The US is currently considered to be in the third wave of the opioid epidemic (read more about the opioid epidemic at <https://www.cdc.gov/drugoverdose/epidemic/index.html>).

So far, we have conducted interviews and focus groups with key people from a variety of fields who have experience with the standing order, opioid use disorder, recovery, harm reduction, etc. Through these interviews and focus groups, we have identified several key outcomes or goals the standing order should be accomplishing.

Now we are analyzing multiple datasets to try to answer some of the questions raised by these key outcomes. You will be working with data from the CDC on underlying causes of death, specifically drug-related death to answer some of these questions.

Your main goal will be to map trends in overdose death data over time from 2012 to 2018 and identify demographic trends in these deaths.

# CDC Wonder Data

<https://wonder.cdc.gov/ucd-icd10.html>

## Group by (note only 5 at a time)

* State
* County
* ~~Drug/Alcohol Induced~~
* Drug/Alcohol Induced Cause
* Cause of death (search for keyword “narcotics”)
* Gender
* Race
* Age

## Filters

* **States**
  + + 27 Michigan
* **Years**
  + 2012-2018
  + Option to export years individually if you want one more level of detail
* **Counties**
  + Kent
  + Option to export counties individually if you want one more level of detail

## Other settings

* Check “Export Results” box

## Possible Research Questions

* Trends in overdose deaths in Kent County compared to other counties
  + Kent
  + Wayne
  + Ingham
  + Macomb
  + Washtenaw
* Do numbers seem to be increasing, decreasing, or staying the same after 2017?
* Consider creating a map and tracking it over time
* Does gender, age, or race seem to have an effect on overdose rate?
* Consider using metropolitan area as another variable.
* Compare cause of death including narcotics to non-narcotics. Has one increased as the other decreased over time? Have both increased/decreased?
* Anything else you find interesting!

# What will be useful for CSR

* Make code we can reuse for 2019 data when it is published

# Fact check

Check these other datasets to make sure your data looks the same (on the state level):

* <https://www.cdc.gov/nchs/nvss/vsrr/drug-overdose-data.htm>
* <https://www.cdc.gov/drugoverdose/data/statedeaths/drug-overdose-death-2018.html>