**Getting CDC Wonder Data**

CDC Wonder data is relatively straightforward to obtain; however, data for populations with smaller than 10 is suppressed, posing challenges to the comparability of data across county, race, and year. Including detailed mortality data for young people is also very important to the Years of Potential Life Lost and Health Index metric. This explains how to access data in CDC Wonder and process the data in R.

Birth metric data can be obtained by race and sex without running into notable suppression issues. However, mortality data must be obtained by age. The basic suppression workaround idea is to first download data for a large geography over which suppression does not occur (e.g. CA, TX, and NY) and for the same geography plus each individual FIPS code. Then subtract to two to find the difference.

CDC Wonder Basics

* Website: <https://wonder.cdc.gov/>
* Click “Cancel Request” before hitting “Send” again
* At the bottom, check Export Results, Show Zero Values, and Show Suppressed Values. Uncheck Show Totals

**Race**

* White
  + Hispanic: Not Hispanic or Latino
  + Race: White
* Black
  + Hispanic: Not Hispanic or Latino
  + Race: Black or African American
* Hispanic
  + Hispanic: Hispanic or Latino
  + Race: All Races

Natality

* Use states

Mortality

Overdoses

Homicide

* Group by Year and Age Groups
* Select NY, TX, CA, and counties of interest
* Select Ten-year Age Groups
* Select ICD-10 113 Cause List and “#Assault (homicide) (\*U01-\*U02, X85-Y09, Y87.1)”

Group by year and county

Select:

All years

|  |  |  |  |
| --- | --- | --- | --- |
|  | All | BW | H |
| Group by | year, county | year, county, bridged race | year, county |
| Residence | Advanced finder options > Paste County FIPS codes | | |
| Other characteristics | Default | Hispanic origin: Not Hispanic Or Latino; Race: Black, White | Hispanic origin: Hispanic or Latino |
| Characteristics | Year: all | Year: all | Year: all |

Other options:

Check export results, show zero values, show suppressed values

Uncheck show totals

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Injury deaths

* 6. Select Cause of Death > Injury Intent and Mechanism > Injury Mechanism & All Other Leading Causes > select all causes that are not “noninjury”.