Suicide Incidence and Rate Dashboard Methodology

Update Date: 08/31/2021

Suicide Incidence and Rate Dashboard:

The Suicide Incidence and Rate Dashboard displays information on state/county suicide incidence and rate from 2010 to 2019. In addition, suicide incidence and rate among sub-groups, defined by various county, race/ethnicity, age group, gender, and cause of injury are also available on the dashboard.

Methodology:

Dataset

Self-inflicted death data from 2010 to 2019 were downloaded from California Department of Public Health (CDPH)'s EpiCenter website. The source of the file is CDPH's Vital Statistics Death Statistical Master Files. International Classification of Disease codes the tenth revision (ICD-10) code X60 – X84, and Y870 are used to identify intentional self-inflicted injuries. Age, Race, and Sex selections/labels are predefined in the data downloaded from CDPH.

http://epicenter.cdph.ca.gov/ReportMenus/CustomTables.aspx

Population and sub-demographics group population data was downloaded from California Department of Finance (DOF). The file was updated in July 2021.

P-3: Complete State and County Projections Dataset

Suicide rate is defined as suicide per 100,000 people. Per CDPH's instruction, suicide rates are not calculated if they are based on fewer than 20 suicide incidences.

Suicide Rate Map Display

Suicide death data from 2010 to 2019 were combined and divided by population of selected demographics group. If total incidences are fewer than 20, suicide rate is not calculated.

California county map is colored using blue-red divergent color scheme, with red indicating higher suicide rate and blue indicating lower suicide rate.

Suicide Incidence and Rate Detailed View

In addition to suicide rate map display and suicide incidence and rate trend, we also created a detailed view page to enable user to select counties and compare them side

by side. Furthermore, the visualization can be filtered by age group, gender, race, and cause of injury.

Dataset as of Date

CDPH update suicide data annually. Our data download was on 8/27/2021 and the most recent data available is from 2019.