Challenges of Data in Rural Areas

Suicide Prevention – Unified Research (SPUR) seminar series, University of Colorado

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Challenges

- Deaths with counts of fewer than three must be suppressed to maintain privacy and confidentiality
- Small counts and small populations can cause rates to vary widely
- Difficult to measure progress



Solutions

- Combine multiple years of data
- Combine multiple counties or regions together
- Capture process measures in addition to outcome measures



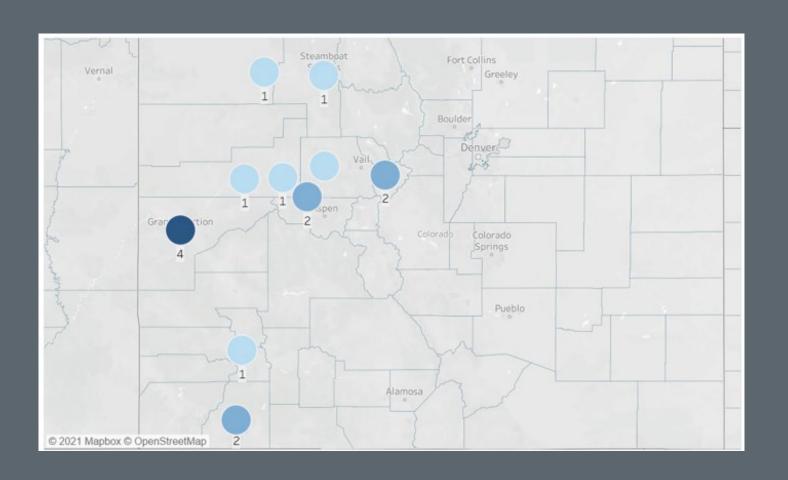
CDPHE Suicide Data Visualization Dashboard

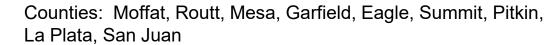
- Suicide death counts, crude rates, and ageadjusted rates
- Demographics: age, sex, race/ethnicity, marital status, veteran status, county of residents
- Circumstances: financial/job issues, relationship issues, physical and mental health information, etc.
- Toxicology: alcohol and drug information
- Industry and Occupation





SPUR participant communities







CoHID



The Colorado Health Information Dataset (CoHID) provides access to state and local-level data and resources compiled by the Colorado Department of Public Health and Environment to help understand health and related issues affecting people in Colorado.

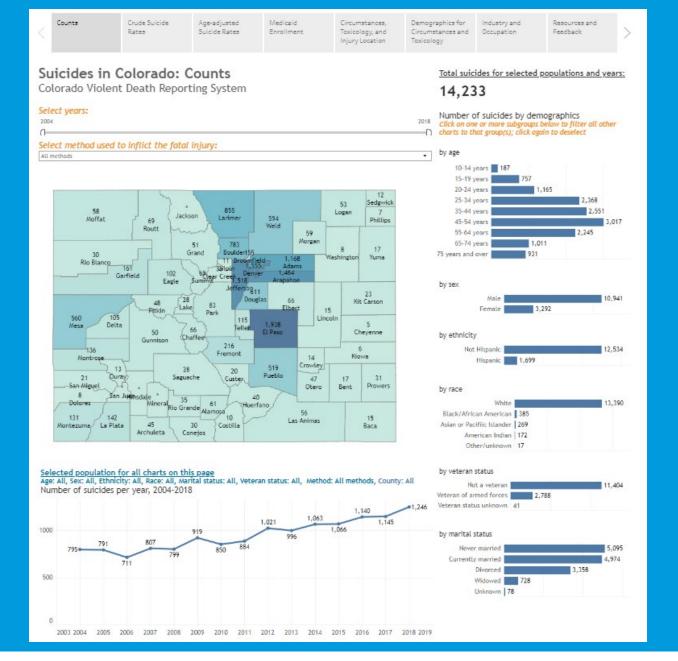
Colorado Health Data and Statistics



Suicide Dashboard

- Live Demonstration
- https://cdphe.colorado.gov/cohid







Counts

Crude Suicide Rates Age-adjusted Suicide Rates Medicaid Enrollment Circumstances, Toxicology, and Injury Location Demographics for Circumstances and Toxicology

17,044

Industry and Occupation Resources and Feedback

Suicides in Colorado: Counts

Colorado Vital Statisitics Program, (death certificate)

Select years:

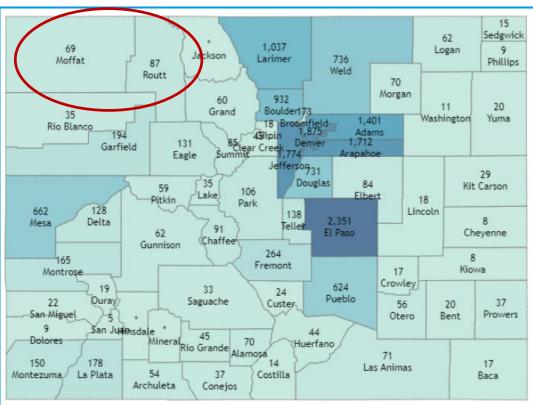
2020

Number of suicides by demographics

Click on one or more subgroups below to filter all other charts to that group(s); click again to deselect

Total suicides for selected populations and years:

Can select multiple years together and/or select multiple counties together







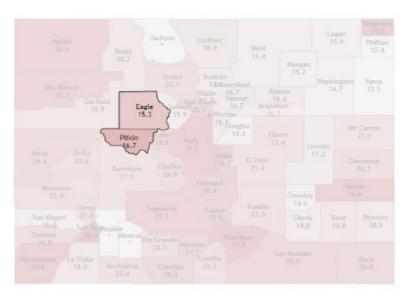
Suicides in Colorado: Age-adjusted suicide rates per 100,000 population

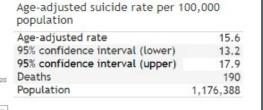
Colorado Vital Statisitics Program, (death certificate)

 Select years:
 2004 (]
 D 20

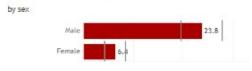
Select method used to inflict the fatal injury:

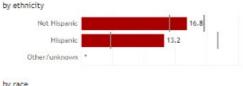
All methods

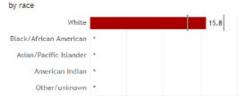




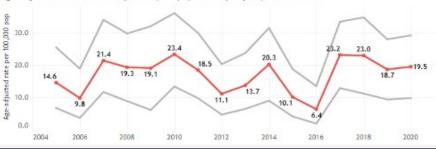
Age-adjusted rate of suicide by demographics click on one or more subgroups below to filter all other charts to that group(s); click again to deselect



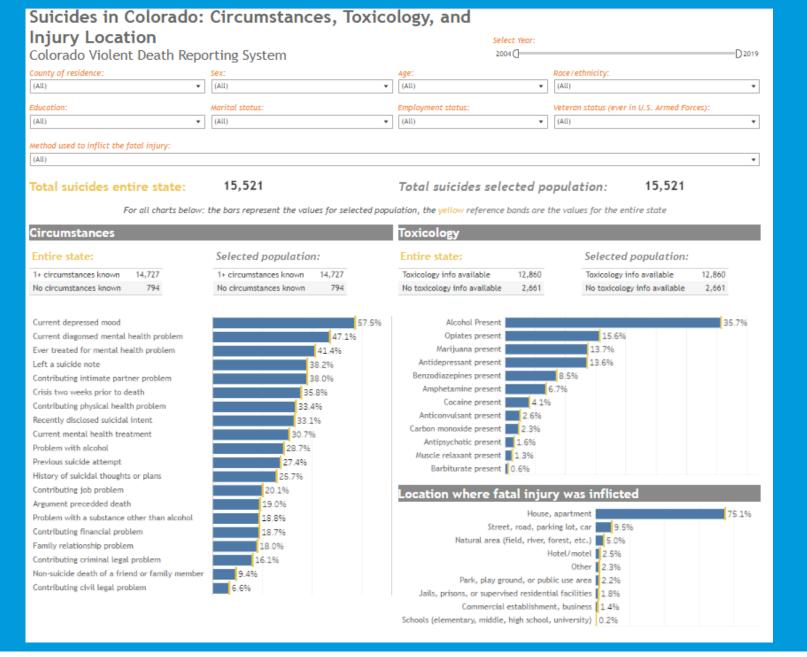




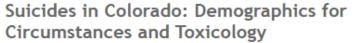
<u>Selected population for all charts on this page</u> Sex: All, Ethnicity: All, Race: All, Method: All methods, County: Eagle & Pitkin Age-adjusted rate of suicide per 100,000 population per year, 2004 to 2020









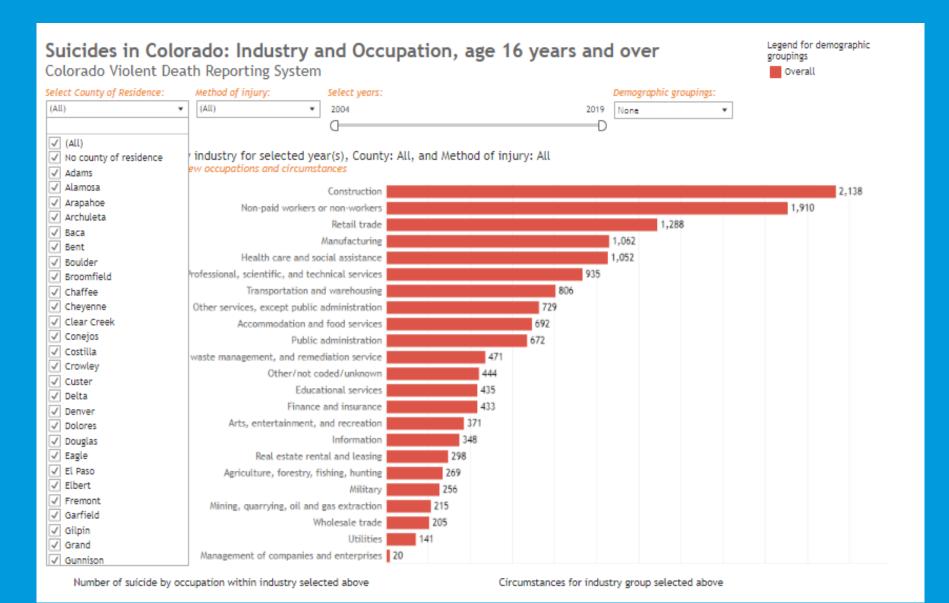


Number of suicides for which Alcohol Present was indicated: 4.591

Colorado Violent Deah Reporting System









THANK YOU

More questions?

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COLORADO RESOURCES AND SOURCES

Colorado Vital Statistics Program

https://cdphe.colorado.gov/center-for-health-and-environmental-data/registries-and-vital-statistics-program

Colorado Violent Death Reporting System & Suicide Data Dashboard

https://cdphe.colorado.gov/center-for-health-and-environmental-data/registries-and-vital-statistics/colorado-violent-death-reporting-system

Colorado Office of Suicide Prevention and Suicide Prevention Commission

https://cdphe.colorado.gov/office-of-suicide-prevention

Man Therapy

https://mantherapy.org/

Colorado Overdose Prevention Program and Overdose Data Dashboard

https://cdphe.colorado.gov/overdose-prevention

Colorado Consortium for Prescription Drug Abuse Prevention & Data Dashboard

http://www.corxconsortium.org/

