Community Health Insights in the 406

Finding the Public Health Data You Need

Confluence 2024 Conference

DEPARTMENT OF
PUBLIC HEALTH &
HUMAN SERVICES

What does Insights have to offer?

- Data Sources
- View Data by Topic
- Compare Counties
- Regional Summaries
- Feature Links
- Additional Resources

Data Sources

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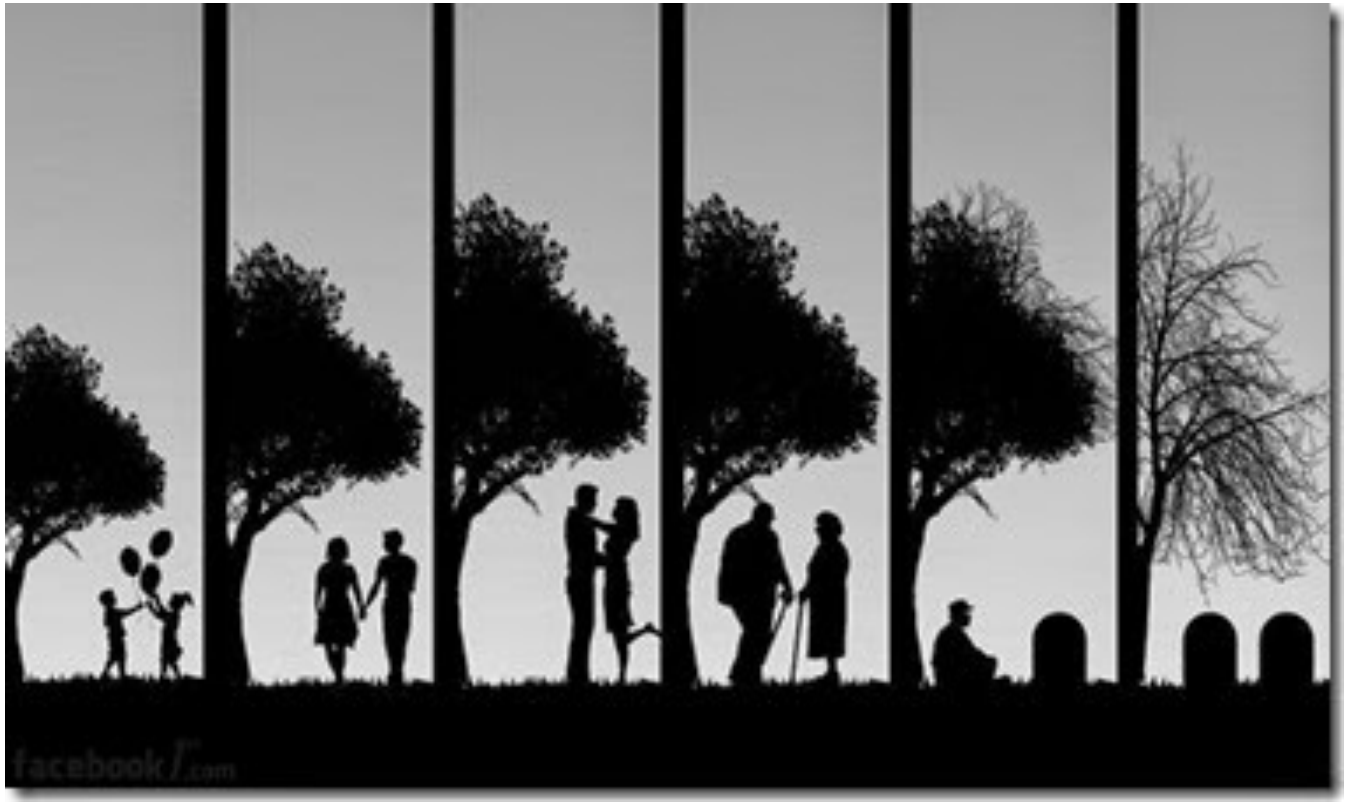
Vital Statistics



Death Data

- Data on all resident deaths and deaths that occurred in state
  - Cause of death
    - underlying vs. multiple causes
  - Location of residence
    - down to county
  - Location of death
    - hospital, home, nursing home, or other
  - Demographic information
  - Did tobacco use contribute to death
    - yes, no, probably, unknown
  - Manner of death

Birth Data

- Data on all resident births and births that occurred in state
  - Parental characteristics
  - Location of birth
    - hospital, birthing center, home etc.
  - Prenatal care
  - Smoking/alcohol use during pregnancy
  - Method of delivery
  - Birth outcomes
    - weight, apgar score, abnormal conditions
  - Breastfeeding status at discharge

Hospital and Emergency department discharge data

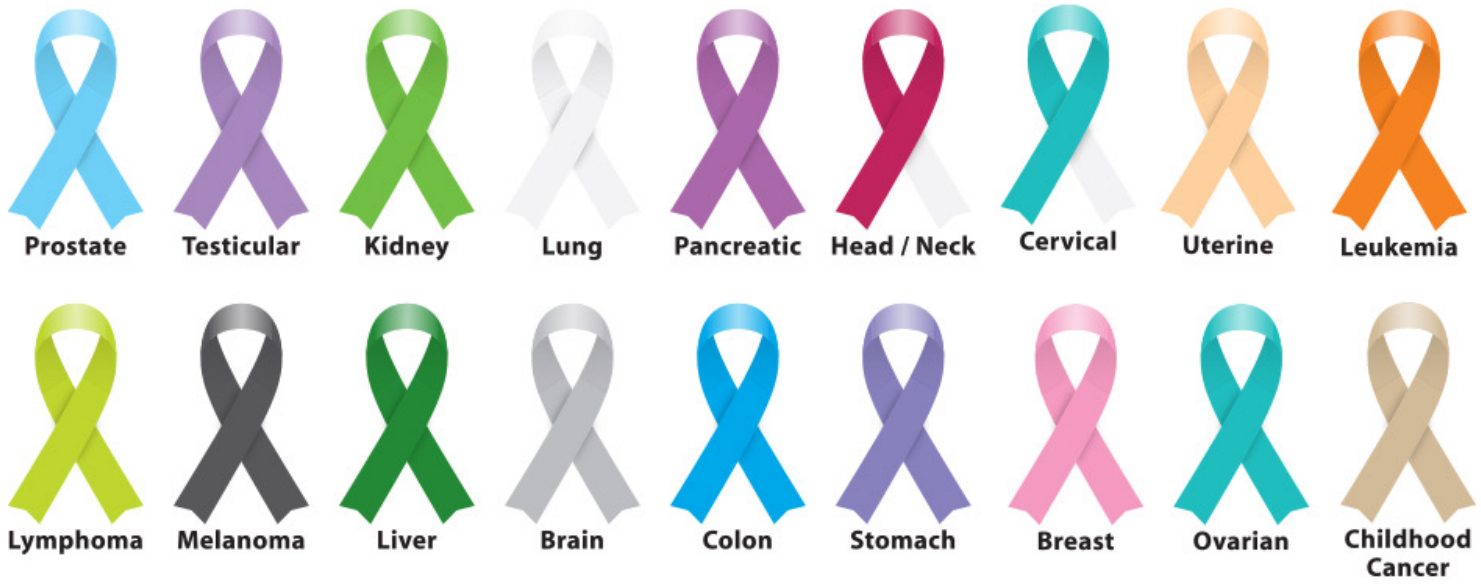
ED Encounters and Inpatient Admissions

- Data on ED and hospital discharges from majority of hospitals in state
  - Voluntary system through Montana Hospital Association
- Does not represent individual people and cannot be de-duplicated
  - A person may have been transferred to another hospital, which would be counted twice as two discharges

ED Encounters and Inpatient Admissions

- Age
- Sex
- Length of stay
- Date of admission
- Primary diagnosis
- Secondary diagnoses
  - Up to 8 total
- Procedure codes
- E-codes
  - Up to 3
- Total charges
- County of residence

Montana Central Tumor Registry



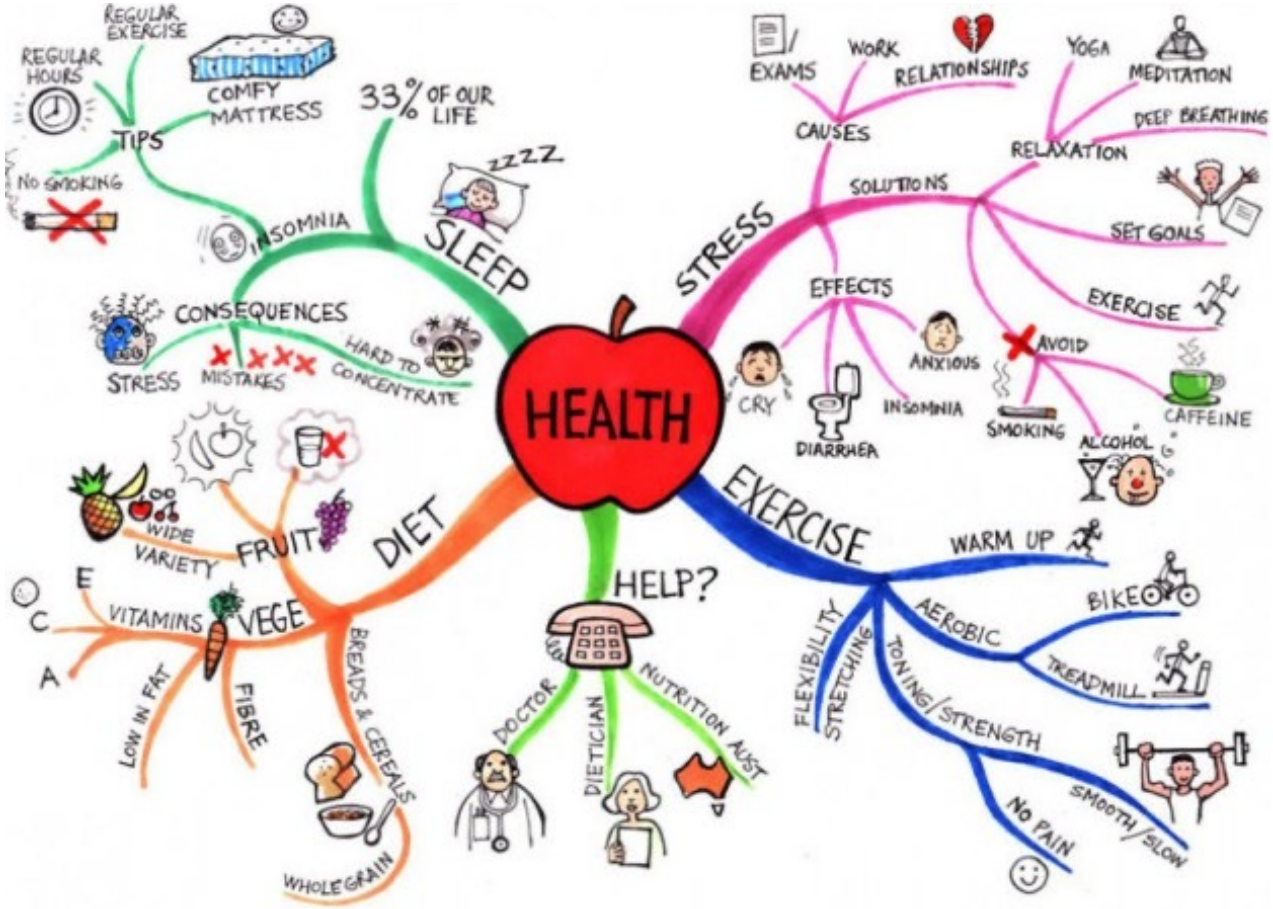
Central Tumor Registry

- Registry for information on new cancer cases, cancer treatment, and outcomes
  - All health care facilities and providers must report new cases per MT law
  - MT has collected data since 1979, more than 95% of all cancers recorded

Central Tumor Registry

- Data available on demographics, treatment information, cancer site and type, stage at diagnosis
- Easily compared with other states
- Not duplicated
- Limited on the level of information that can be released to external parties

Behavioral Risk Factor Surveillance System (BRFSS)



BRFSS

- Random Digit Dialed Telephone Survey
- Data is available annually
- Asks adults about chronic conditions and health-related behaviors
- Designed for State-Level Estimates

BRFSS

- **Strengths**
  - Only source for many chronic disease and behavioral risks
  - State-level estimates that are comparable across the U.S.
  - Estimates by Health Planning Region available
  - Ability to add MT specific questions
  - Weighted to be representative of all non-institutionalized adults
- **Limitations**
  - Direct estimates are not usually possible for County and smaller areas
  - Telephone survey so there are some populations that are missed
  - Under-report socially undesirable behaviors

Small Area Estimation

- Use population characteristics & statistics to get estimates at the county level
- Currently available Through CDC Places for:
  - Health Outcomes
  - Prevention
  - Health Risk Behaviors
  - Disability
  - Health Status
  - Social Determinants of Health

National Data Sources

- American Community Survey
- Air Quality
- National Immunization Survey
- National birth and death data (just used to compare to MT data)
- Places

View Data by Topic

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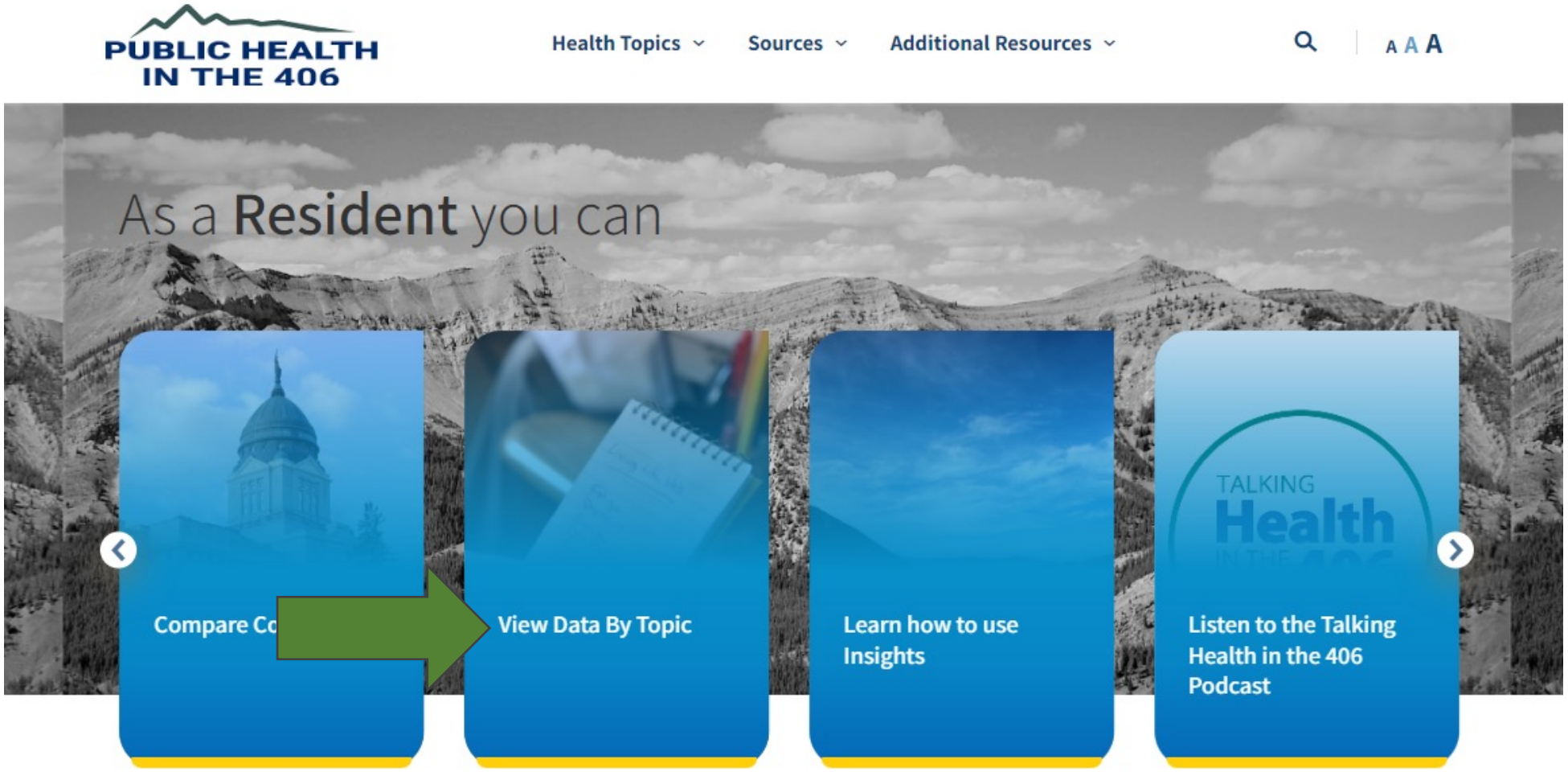
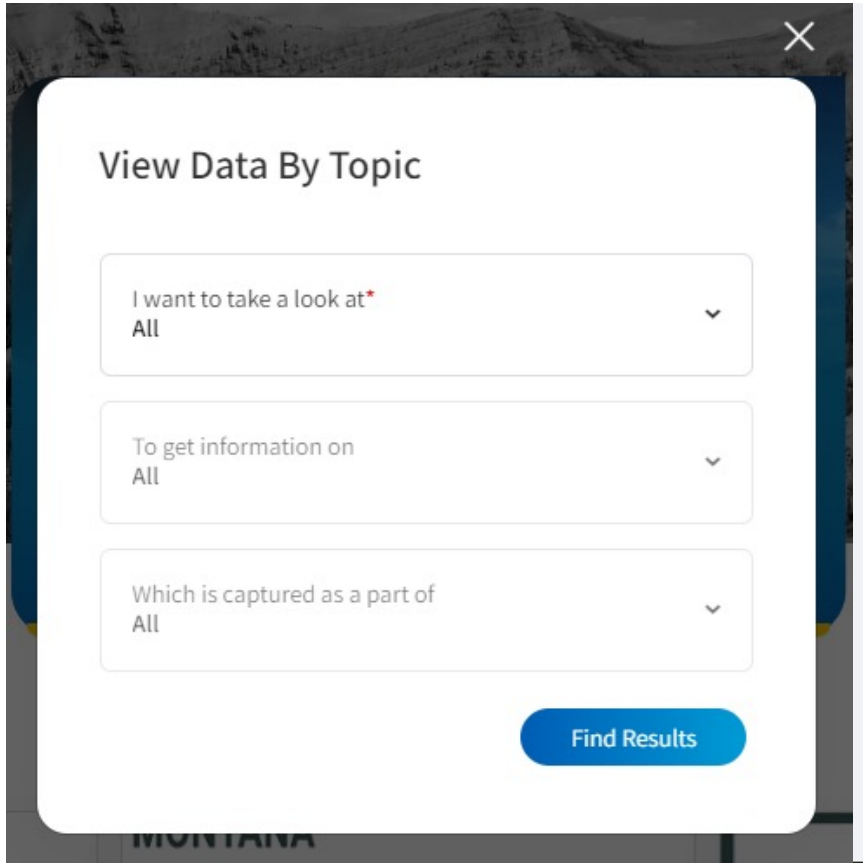
Community Health Insights in the 406





All Health Topics

Explore a wide range of factors contributing to health and well-being in a community.

Health Conditions

General Health Status | Behavioral Health | Chronic Conditions | Cancer | Pregnancy and Childbirth

Health Behaviors

Drug and Alcohol Use | Tobacco Use | Immunizations | Violence Prevention | Injury Prevention | Nutrition and Healthy Eating | Physical Activity

Populations

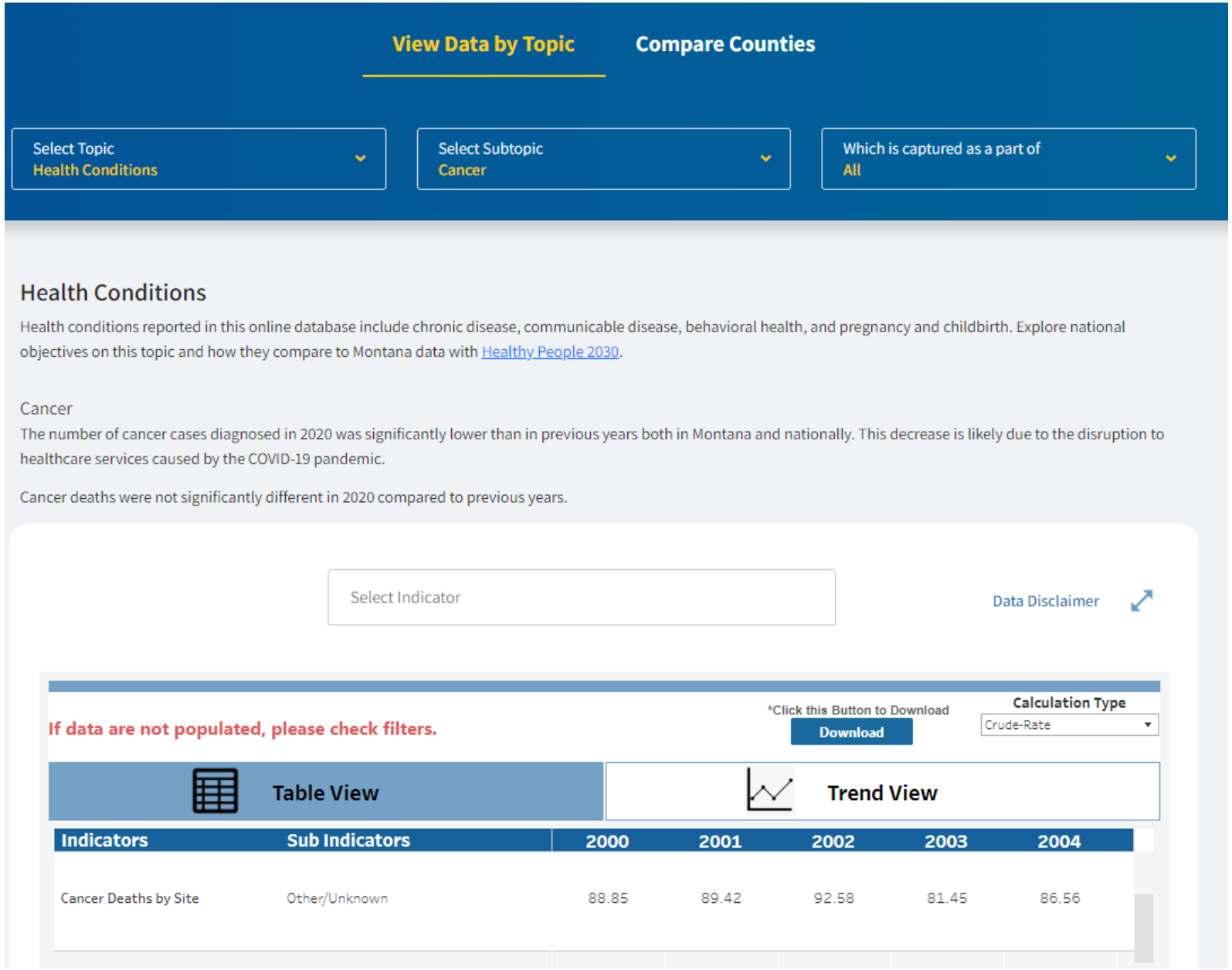
Birth Data | Mortality Data | Healthcare Utilization | Population Estimates

Settings and Systems

Transportation

Social Determinants of Health

Social Context | Health Care Access | Education | Neighborhood and Built Environment | Economic Stability


View Data by Topic
Compare Counties
Select Topic
Health Conditions
Select Subtopic
Cancer
Which is captured as a part of
All
Health Conditions
Health conditions reported in this online database include chronic disease, communicable disease, behavioral health, and pregnancy and childbirth. Explore national objectives on this topic and how they compare to Montana data with Healthy People 2030.
Cancer
The number of cancer cases diagnosed in 2020 was significantly lower than in previous years both in Montana and nationally. This decrease is likely due to the disruption to healthcare services caused by the COVID-19 pandemic.
Cancer deaths were not significantly different in 2020 compared to previous years.
Select Indicator
Data Disclaimer
If data are not populated, please check filters.
*Click this Button to Download
Download
Calculation Type
Crude-Rate
Table View
Trend View
Indicators
Sub Indicators
2000
2001
2002
2003
2004
Cancer Deaths by Site
Other/Unknown
88.85
89.42
92.58
81.45
86.56

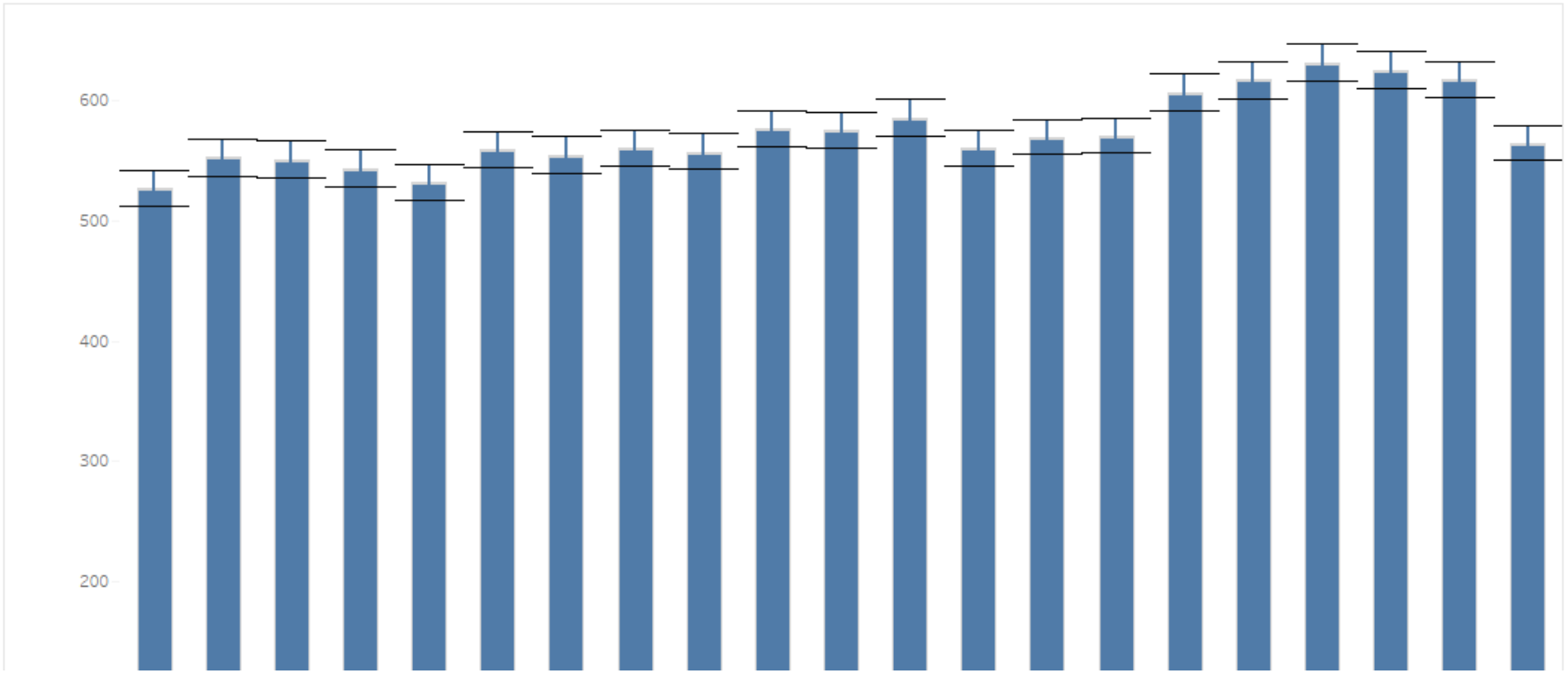
Indicator Overview | Analyze by Subgroups | Analyze by Location | Analyze by 2 Subgroups

Select Indicator	Sub Indicator	Calculation Type
Cancer Incidence	All Cancers	Crude-Rate

Age-Adjusted
Crude-Rate

Cancer Incidence by Year

If data are not populated, please check filters.



Indicator Overview | Analyze by Subgroups | Analyze by Location | Analyze by 2 Subgroups

Select Indicator: Cancer Deaths by Site

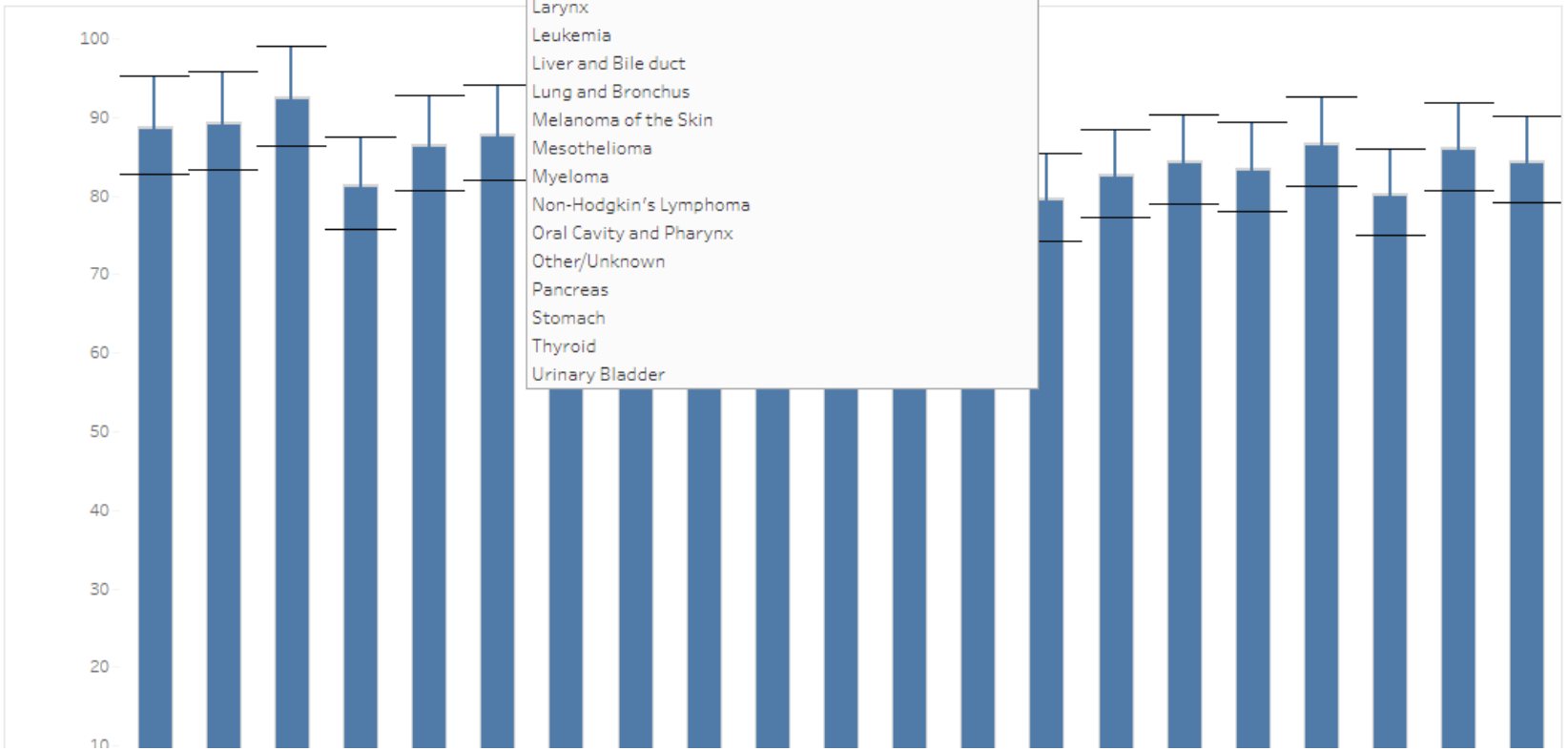
Sub Indicator: (All)

Calculation Type: Crude-Rate

Cancer Deaths by Site by Year

If data are not populated, please check filters.

- Brain and other Central Nervous System
- Colon and Rectum
- Esophagus
- Hodgkin's Lymphoma
- Kidney and Renal Pelvis
- Larynx
- Leukemia
- Liver and Bile duct
- Lung and Bronchus
- Melanoma of the Skin
- Mesothelioma
- Myeloma
- Non-Hodgkin's Lymphoma
- Oral Cavity and Pharynx
- Other/Unknown
- Pancreas
- Stomach
- Thyroid
- Urinary Bladder



Indicator Overview | Analyze by Subgroups | Analyze by Location | Analyze by 2 Subgroups

Select Indicator: Cancer Incidence | Sub Indicator: All Cancers | Year: 2009 | Calculation Type: Age-Adjusted

Cancer Incidence - 2009

*To Download the data Please select Table view and click download

Download

If data are not populated, please check filters.

Table 1
Age-Adjusted by Residential County

Select View: Table | Group by: Residential County

Group by	Calculation Type	Calculated Value	LCI	UCI
BEAVERHEAD	Age-Adjusted	423.28	302.80	543.76
BIG HORN	Age-Adjusted	401.42	284.49	518.34
BLAINE	Age-Adjusted	452.28	298.81	605.76
BROADWATER	Age-Adjusted	470.21	313.38	627.03
CARBON	Age-Adjusted	380.53	278.52	482.55
CARTER	Age-Adjusted	N/A	N/A	N/A
CASCADE	Age-Adjusted	517.37	471.60	563.14
CHOUTEAU	Age-Adjusted	348.22	219.01	477.43
CUSTER	Age-Adjusted	566.64	444.20	689.09
DANIELS	Age-Adjusted	N/A	N/A	N/A

Table 2
Age-Adjusted by Sex

Select View: Table | Group by: Sex

Group by	Calculation Type	Calculated Value	LCI	UCI
Female	Age-Adjusted	433.33	416.34	450.33
Male	Age-Adjusted	540.53	521.06	559.99

Table 3
Age-Adjusted by Race

Select View: Table | Group by: Race

Select View: Table | Group by: (Hispanic Origin)

Indicator Overview | Analyze by Subgroups | Analyze by Location | Analyze by 2 Subgroups

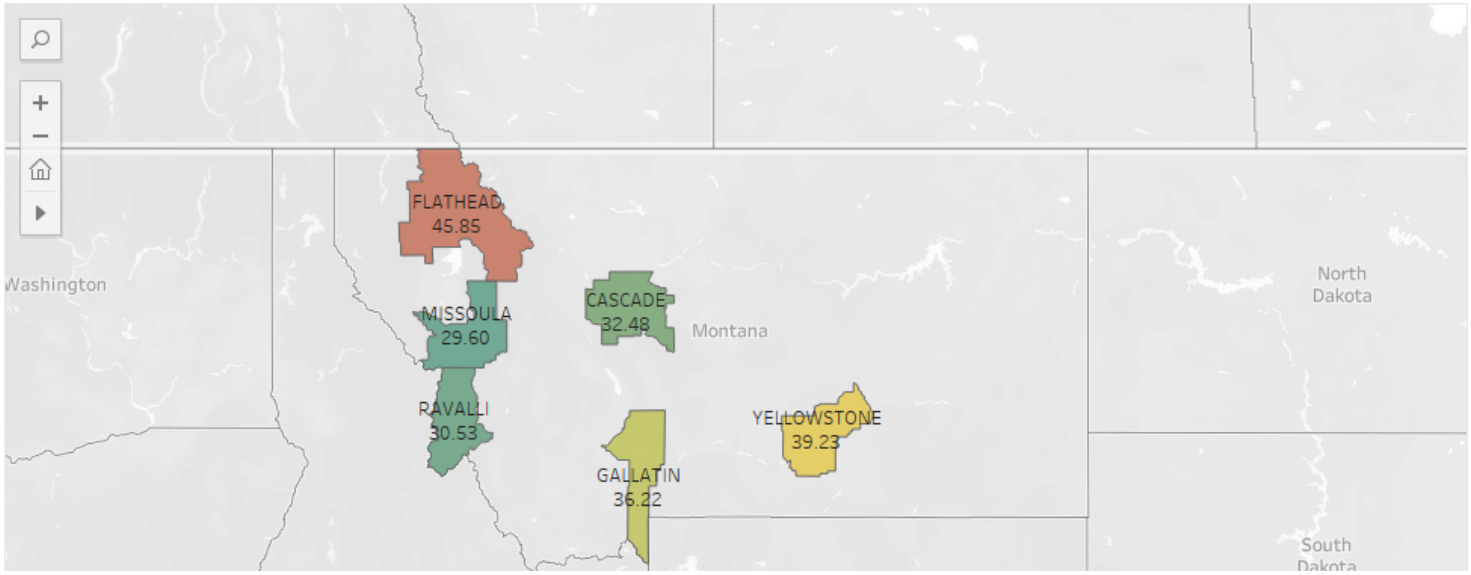
Select Indicator	Sub Indicator	Year	Calculation Type
Cancer Incidence by site	Colon and Rectum	2019	Age-Adjusted

Cancer Incidence by site - 2019

*To Download the data
Please select Table view
and click download

If data are not populated, please check filters.

Map | Bar | Table



Indicator Overview | Analyze by Subgroups | Analyze by Location | Analyze by 2 Subgroups

Select Indicator	Sub Indicator	Year	Calculation Type
Cancer Incidence	All Cancers	2020	Age-Adjusted

Cancer Incidence - 2020

*Click this Button to Download

Download

If data are not populated, please check filters.

Group First by	Group Second by
Sex	Race

		Race			
		American Indian/ Alas..	Asian/ Pacific Islander	Black	White
Sex	Female	532.89	N/A	N/A	380.08
	Male	596.77	N/A	N/A	437.22

Compare Counties

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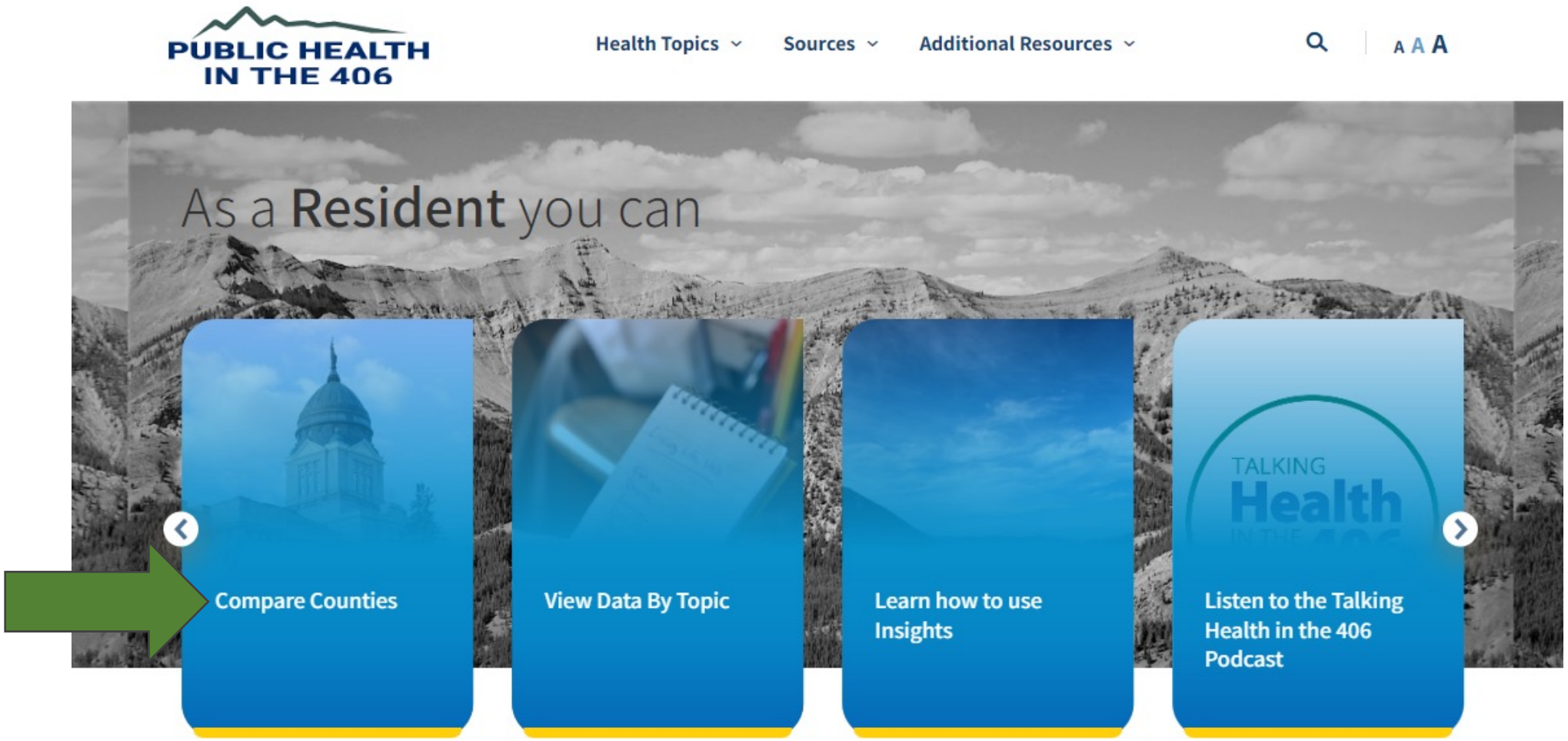
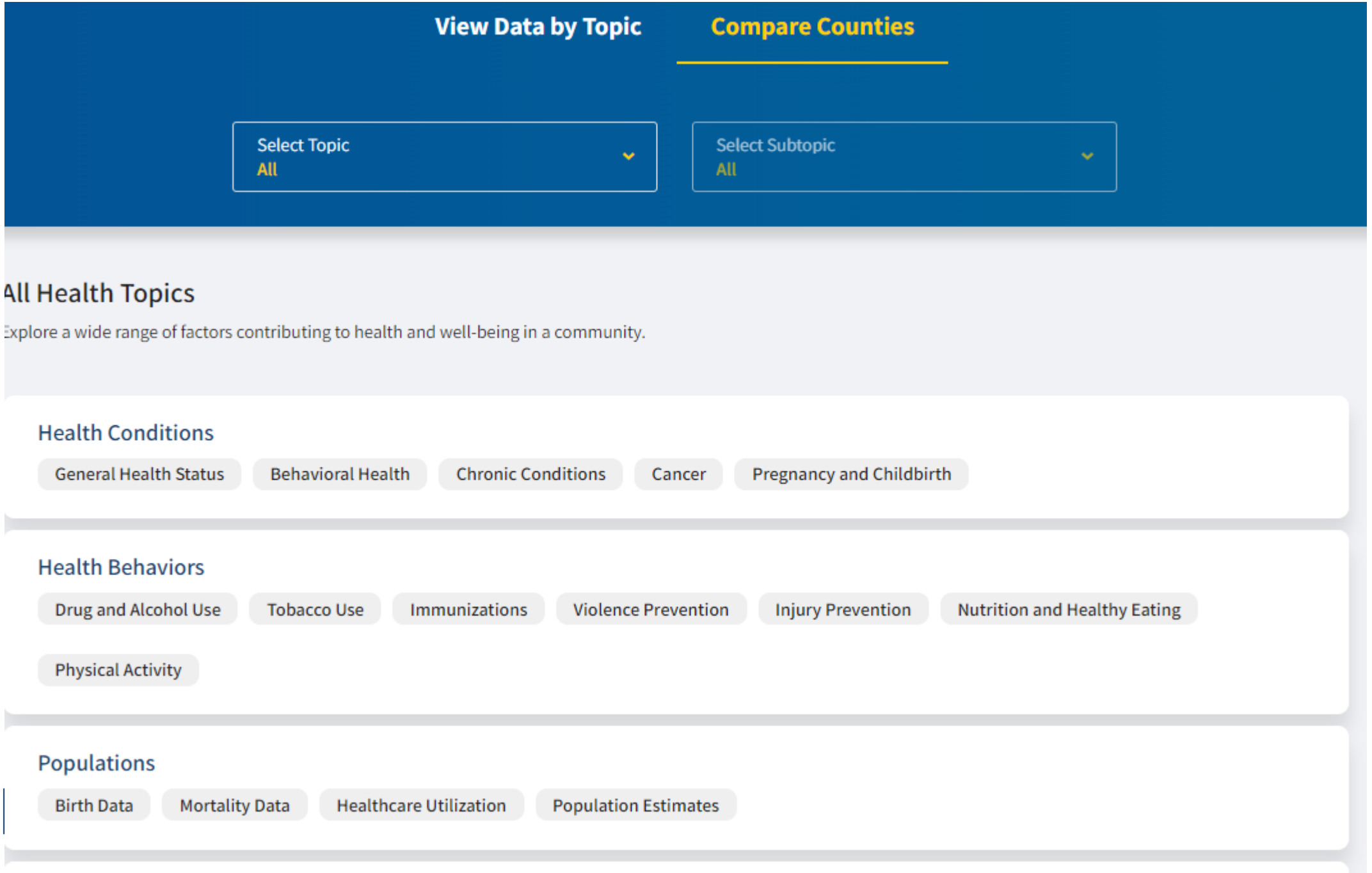

PUBLIC HEALTH IN THE 406
Health Topics
Sources
Additional Resources
A A A
As a Resident you can
Compare Counties
View Data By Topic
Learn how to use Insights
TALKING Health
Listen to the Talking Health in the 406 Podcast



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Select Indicator	Sub Indicator	Year	Calculation Type	Compare County
Cancer Incidence	All Cancers	2019	Age-Adjusted	(All)

County Map

If data are not populated, please check filters.

Cancer Incidence Age-Adjusted - 2019

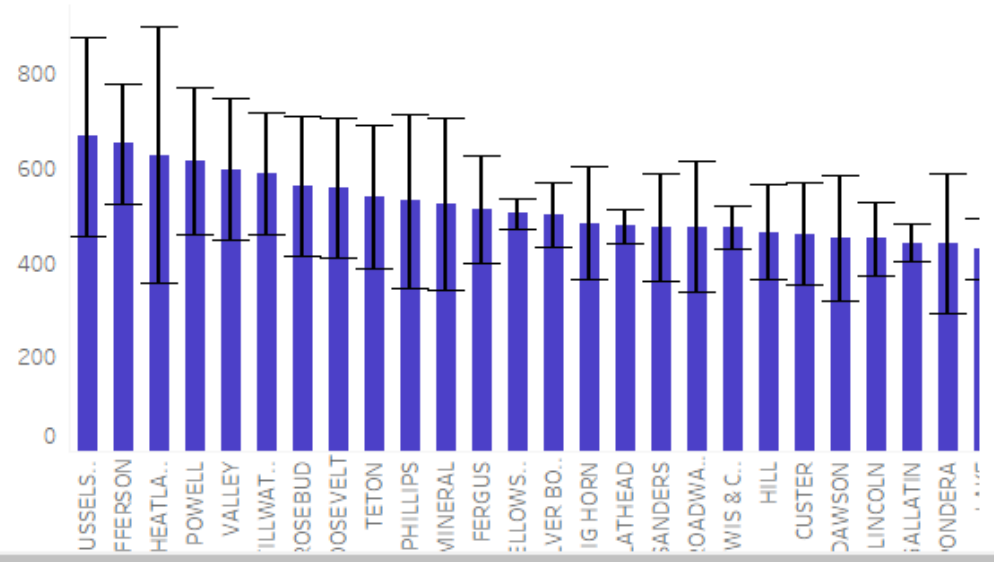
Insights for Cancer Incidence

Highest Age-Adjusted is MUSSELSHELL with 666.47, LCI: 456.79 & UCI: 876.15

Lowest Age-Adjusted is RICHLAND with 267.61 , LCI: 177.52 & UCI: 357.69

National data not available

State data not available



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Select Indicator: Cancer Incidence | Sub Indicator: All Cancers | Year: 2019 | Calculation Type: Age-Adjusted | Compare County: (All)

County Map

If data are not populated, please check filters.

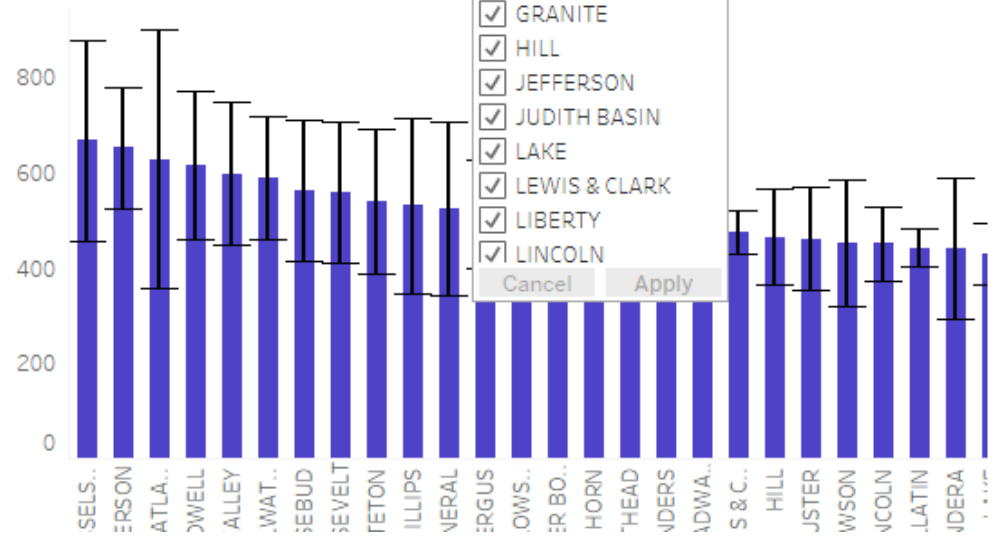
Cancer Incidence Age-Adjusted - 2019

Insights for Ca

Highest Age-Adj … LL with 666.47, LCI: 456.79 & UC…

Lowest Age-Adj… with 267.61 , LCI: 177.52 & UCI: 35…

(All)
BEAVERHEAD
BIG HORN
BLAINE
BROADWATER
CARBON
CARTER
CASCADE
CHOUTEAU
CUSTER
DANIELS
DAWSON
DEER LODGE
FALLON
FERGUS
FLATHEAD
GALLATIN
GARFIELD
GLACIER
GOLDEN VALLEY
GRANITE
HILL
JEFFERSON
JUDITH BASIN
LAKE
LEWIS & CLARK
LIBERTY
LINCOLN
Cancel Apply



National data not available

State data not available

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Regional Summaries

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Get a snapshot of one geography across many health topics

- Regional summaries are still in development, but they will offer data snapshots at 3 different levels of geography:
  - State
  - Health Planning Regions (and maybe other regions in the future)
  - County
- Include data for the selected geography as well as a state and national comparison (where available).

Regional Summary Sections

- Primary Indicators
  - Total population
  - % of adults who are veterans
  - % of people living at or below FPL
  - % of people living with a disability
  - % of adults who are unemployed
- Graphs
  - Birth rate trends
  - Death rate trends
- Indictor Tables

- Cancer Incidence
- Cancer Deaths
- Diabetes
- Heart Disease
- Chronic Lung Disease
- Arthritis
- Liver Disease
- Suicide
- Alcohol Use
- Other Substance Use
- Anxiety and Depression
- Birth Outcomes
- Pregnancy Risk Factors
- Motor Vehicle Crashes
- Other Injuries (non-MVC)
- Infant and Child Immunizations
- Adolescent and Adult Immunizations
- Tobacco Use
- Social and Community Context
- Healthcare Access
- Cancer Screening
- Communicable disease

Feature Links & Additional Resources

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Feature Links are right under the blue cards

Feature Links

Nov 17, 2023

Montana Public Health Data Request Process

Can't find what you need on Community Health Insights? You can request a dataset for research or a custom analysis by following t…

MONTANA
EMS, TRAUMA SYSTEMS & INJURY PREVENTION PROGRAM

Nov 15, 2023

Montana Injury and Overdose Indicators

This interactive dashboard provides statistics on injury and overdose deaths as well as non-fatal injuries by age, sex, and county of…

PublicHealth IN THE 406

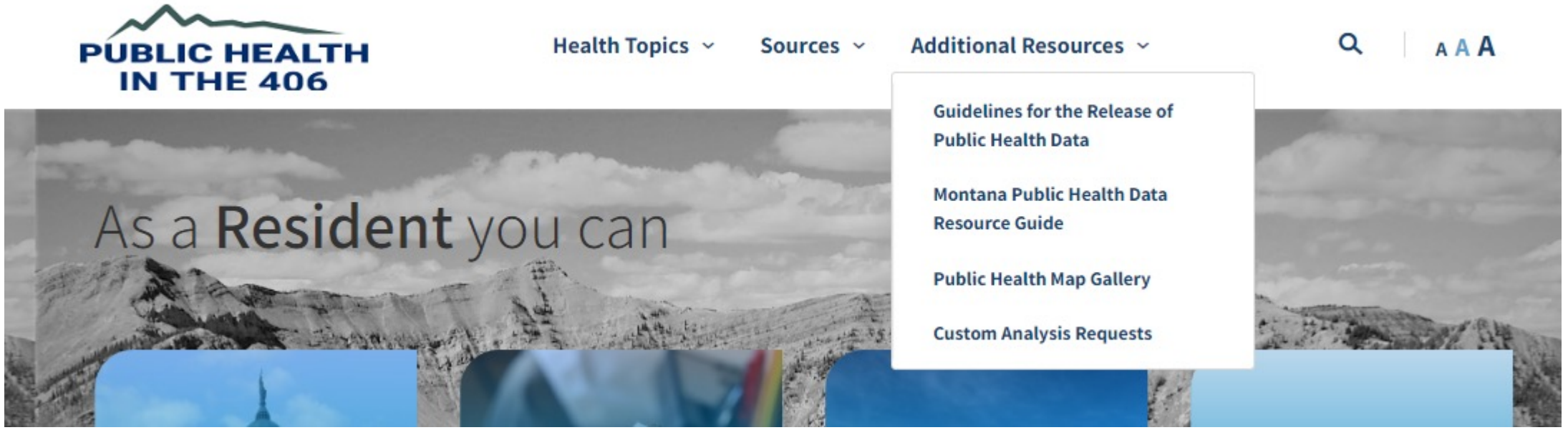
Nov 8, 2023

Advancing Health Literacy with Inclusive Communication

We have a shared responsibility to ensure all people can find, understand, and use information and services to inform health-…

View all

Additional Resources are in the top menu



Contact me for any questions related to getting Public Health data

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