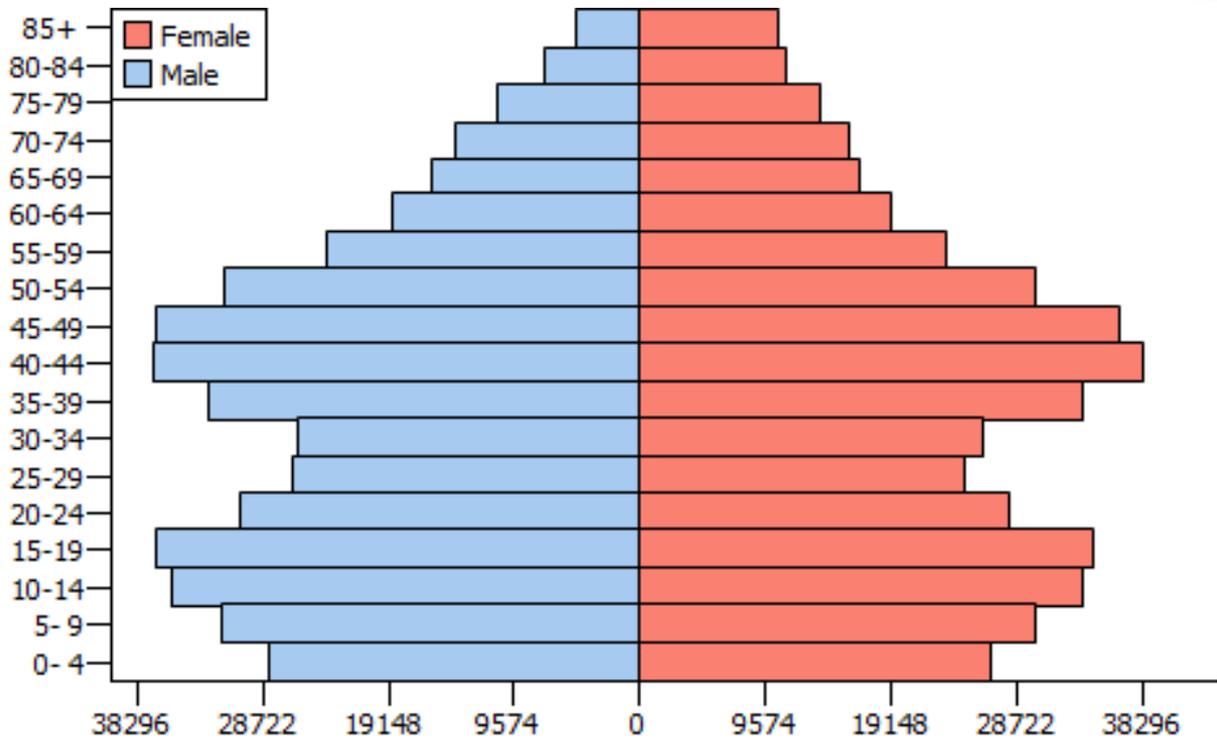


Sources for Public Health Data



NATIONAL CENTER FOR HEALTH STATISTICS (NCHS) POPULATION ESTIMATES

NCHS Population Estimates

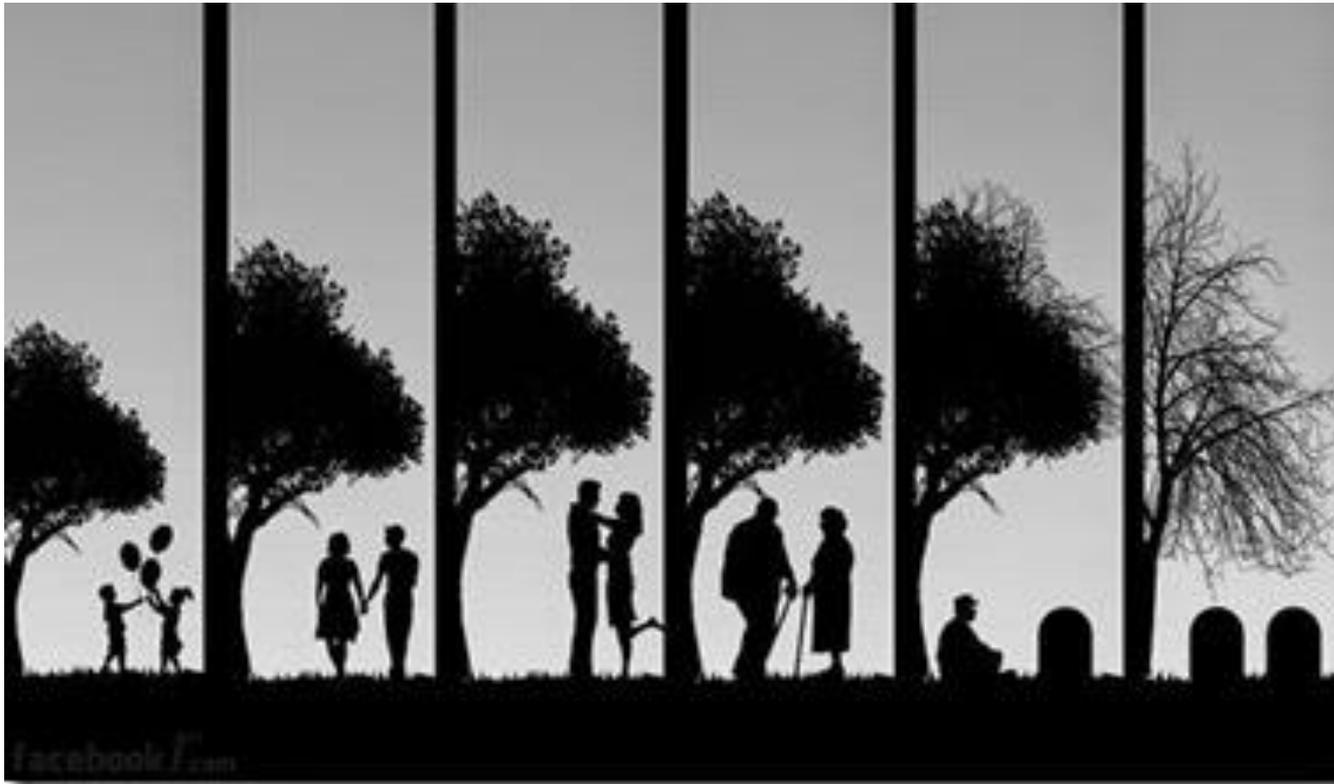
- Provided by the National Center for Health Statistics
 - Single year of age county level population estimates
 - No economic information
 - Available via Montana Indicator-Based Information System (IBIS)
- Different than Census or American Community Survey estimates

NCHS Population Estimates

- Age (Single Year though 85, 85+)
- Race (4 Categories: White, Black, American Indian / Alaska Native, Asian / Pacific Islander) / Hispanic Ancestry (Hispanic / Non-Hispanic)
- County of residence
- Sex
- Single year (1990-2015)

NCHS Population Estimates

- Cody Custis, ccustis@mt.gov
 - 406-444-6947
 - <http://www.dphhs.mt.gov/publichealth/epidemiology/>



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 ect)
 - Prenatal care
 - Smoking/alcohol during pregnancy
 - Method of delivery
 - Birth outcomes (weight, apgar, abnormal conditions)
 - Breastfeeding status at discharge

Accessing Vital Stats

- CDC Wonder
 - <http://wonder.cdc.gov/>
- National Vital Statistics
 - <http://www.cdc.gov/nchs/nvss.htm>
- Montana IBIS
 - <http://ibis.mt.gov/>

Vital Statistics

- Montana Vital Statistics Office
 - Todd Koch, tkoch@mt.gov, 406-444-1756
 - <http://www.dphhs.mt.gov/publichealth/epidemiology/>

Vital Statistics

What was the crude mortality rate for diseases of the circulatory system (ICD10 I00-I99) for Montana for 2014?

What was the age-adjusted rate?

<http://wonder.cdc.gov/>



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 MHA
- Does not represent individual people and cannot be deduplicated
 - 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
- Up to 8 secondary diagnoses
- Procedure codes
- Up to 3 E-codes
- Total charges
- County of residence

Accessing ED/Admission Data

- Montana Hospital Discharge Data Program
 - Cody Custis, ccustis@mt.gov, 406-444-6947
 - <http://www.dphhs.mt.gov/publichealth/epidemiology/>



STATE TRAUMA REGISTRY

State Trauma Registry

- Registry of severe injuries
 - Includes only those that activate the trauma system
 - Excludes things like poisoning
- Reporting is voluntary, though quite complete
- Includes fatal and non-fatal traumas
- Includes transfers to multiple hospitals
 - Report on number of hospitalizations, not people

State Trauma Registry

- Data available on
 - Demographics
 - Mechanism of injury
- Other information available
 - Toxicology screen
 - Alcohol, controlled substances, prescription drugs
 - Protective devices used
 - Seatbelt, helmet, PFD, protective clothing

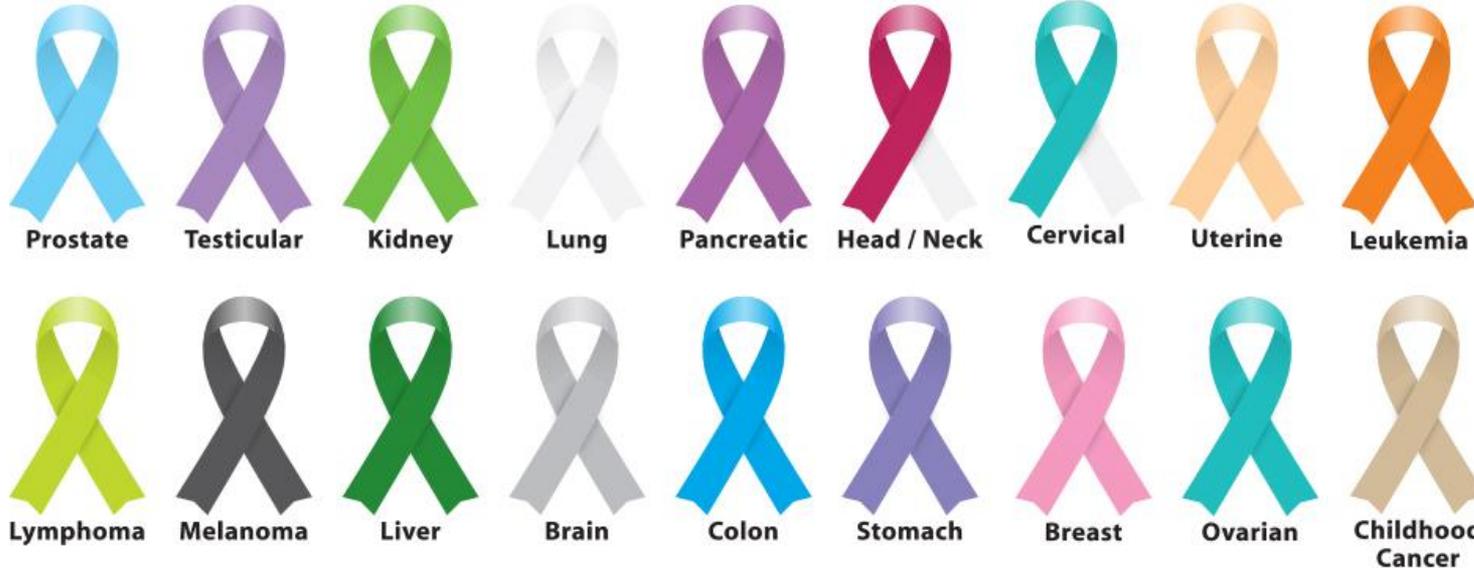
State Trauma Registry

- Contact Carol Kussman
 - ckussman@mt.gov
 - 406-444-4459

State Trauma Registry

- WISQARS (data on injury and injury deaths)
 - <http://www.cdc.gov/injury/wisqars/>

Which state had the highest age-adjusted unintentional poisoning death rate in 2014?



MONTANA CENTRAL TUMOR REGISTRY

Central Tumor Registry

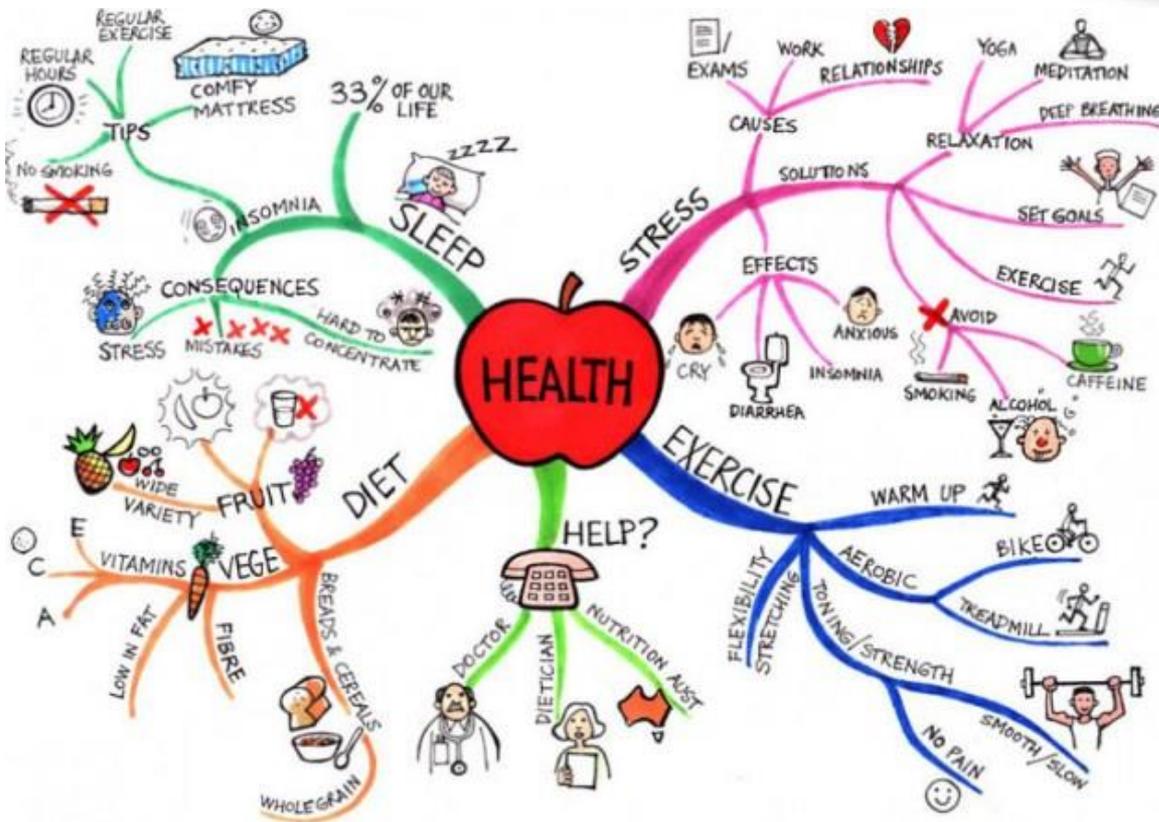
- Registry for information on new cancer cases, cancer treatment, and cancer death
 - All health care facilities and providers must report new cases per MT law
 - Have collected data since 1979, 95% of all cancers recorded

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

Central Tumor Registry

- Contact Laura Williamson, MPH
 - lwilliamson@mt.gov
 - 406-444-0064
 - <http://www.dphhs.mt.gov/publichealth/cancer/datastatistics.shtml>



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
- State-Level Estimates are available at
 - www.dphhs.mt.gov/publichealth/brfss
 - www.cdc.gov/brfss/

SMART BRFSS

- Some counties in MT are oversampled to get direct county level estimates
 - See SMART Data Query on www.dphhs.mt.gov/publichealth/brfss to see which counties have data available

Small Area Estimation

- Use population characteristics & statistics to get estimates at the county level
- Currently available for:
 - Diabetes
 - Obesity
 - Physical Inactivity

<http://www.cdc.gov/diabetes/atlas/countydata/atlas.html>

Asthma Call-back Survey

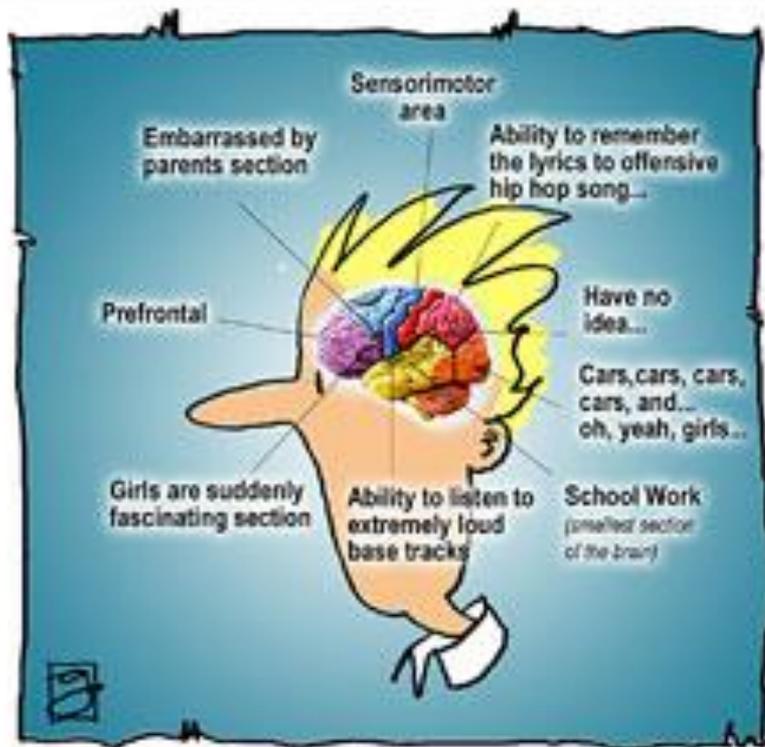
- Call back adults from the BRFSS with asthma to gain further information about the disease
 - Do collect a sample of children too
- Data about symptoms, medications, triggers, school/daycare/work, healthcare utilization
 - <http://www.cdc.gov/brfss/acbs/index.htm>

BRFSS Questions

- BRFSS coordinator position is currently vacant
- Check the Montana BRFSS website for contact information: www.dphhs.mt.gov/publichealth/brfss
- Heather Zimmerman, hzimmerman@mt.gov
– 406-444-2732

BRFSS Questions

- What percent of Montana adults were current smokers in 2014?
- www.cdc.gov/brfss/
- What percent of adults had diabetes in 2013 in Lewis and Clark County?
- <http://www.cdc.gov/diabetes/atlas/countydata/atlas.html>



Anatomy of a Teenager's Brain

YOUTH RISK BEHAVIOR SURVEILLANCE SYSTEM

YRBS

- School-based survey of high school students
- Done every two year
- Asks youth about:
 - Alcohol, tobacco, and other drug use
 - Sexual behavior
 - Nutrition and physical activity
 - Injury and violence

YRBS

- <http://www.cdc.gov/HealthyYouth/yrbs/index.htm>
- Montana YRBS Coordinator: Susan Court, OPI
 - scourt@mt.gov
 - (406) 444-3178

YRBS

- <http://www.cdc.gov/HealthyYouth/yrbs/index.htm>
- What percent of Montana high school students reported watching 3 or more hours of television per day in 2015?



SCHOOL HEALTH PROFILES

School Health Profiles

- Assesses school health policies and practices in states, large urban school districts, and territories.
 - School health education requirements and content
 - Physical education and physical activity
 - Practices related to bullying and sexual harassment
 - School health policies related to tobacco-use prevention and nutrition
 - School-based health services
 - Family engagement and community involvement
 - School health coordination

School Health Profiles

- <http://www.cdc.gov/healthyyouth/data/profiles/results.htm>
- Montana Profile Coordinator: Susan Court, OPI
 - scourt@mt.gov
 - (406) 444-3178



NATIONAL SURVEY OF CHILDREN'S HEALTH

National Survey of Children's Health

- Telephone survey of households with at least one child (under 18 years old)
- Topics include:
 - Child and family demographics
 - Physical and mental health status
 - Health insurance status and access to health care
 - Age-specific developmental milestones
 - Parental health status
 - Neighborhood characteristics

National Survey of Children's Health

- Data has been collected 3 times: 2003-2004, 2007-2008, 2011-2012
- New round currently in the field, data available in 2017
- Browse data at:
<http://childhealthdata.org/learn/NSCH/data>

Data Sources

- US Census
- Vital Statistics
- Hospital and Emergency Department Discharge Data
- Montana Central Tumor Registry
- WIC Management Information System
- Montana Infectious Disease Information System
- Vaccines for Children Program Clinic Reviews

Categories of Data

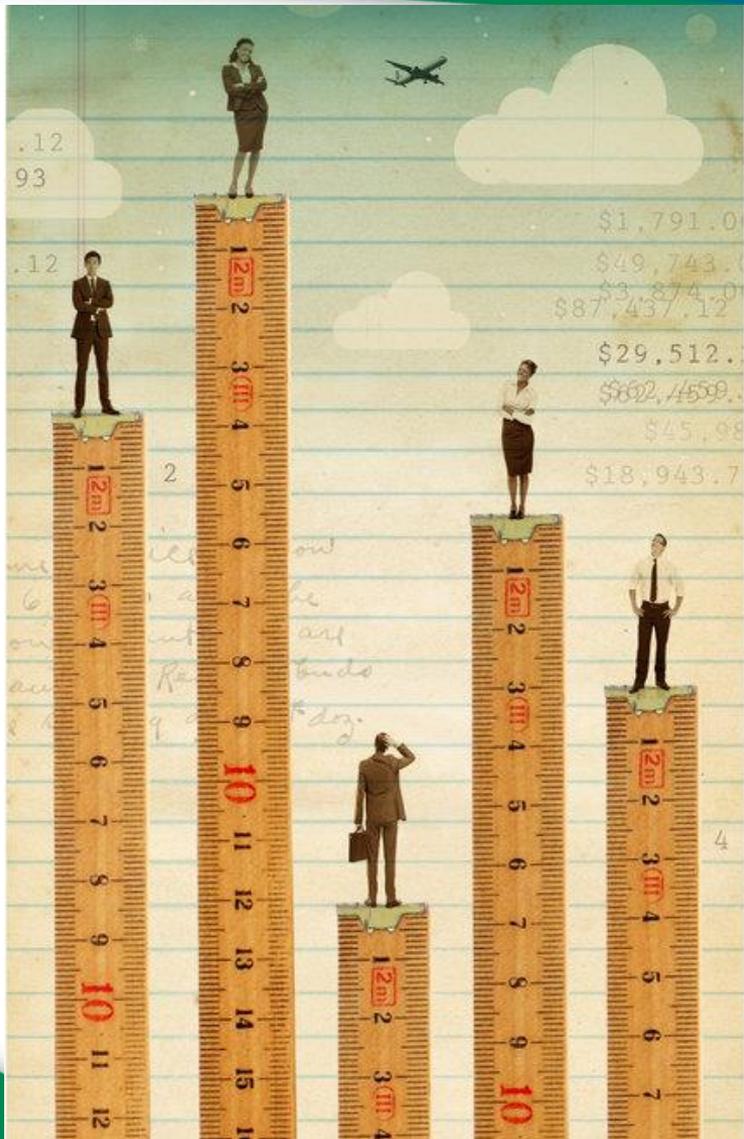
- Demographic
- Communicable disease
- Chronic disease
- Maternal child health
- Mortality
- Behavioral risk factors

Size Comparisons

- Frontier: <5,000
- Small: 5,000–<10,000
- Medium: 10,000 –<40,000
- Large: >40,000
- Overall statewide

County Health Profiles — Contact

- Kerry Pride, DVM, MPH, DACVPM
 - 406-444-5980
 - 406-600-1594
 - kpride@mt.gov
 - <http://dphhs.mt.gov/publichealth/Publications/CountyHealthProfiles>



COUNTY HEALTH RANKINGS

County Health Rankings

- Developed by Robert Wood Johnson Foundation
- Use a variety of data sources
 - BRFSS small area estimation
 - ACS
 - Vital Statistics
 - Many more
- Ranks should be interpreted with caution

County Health Rankings

- Have county level estimates of
 - Health Outcomes
 - Length of Life
 - Quality of Life
 - Health Factors
 - Clinical Care
 - Health Behaviors
 - Social & Economic Factors
 - Physical Environment

<http://www.countyhealthrankings.org>

IBIS

File Edit View Favorites Tools Help

MONTANA.GOV
OFFICIAL STATE WEBSITE

SERVICES AGENCIES LOGIN SEARCH

Public Health Topics
Small Areas Health data
query Community map Resources

Montana Public Health Information System

Montana's Public Health Data Resource

Search this website...

My Data

About Health Topics Publications Community Profiles Data Queries Resources

Path: [MT-IBIS](#) » [about](#)

- [Welcome](#)
- [Contents and Usage](#)
- [MT-IBIS ABCs](#)
- [Glossary and Index](#)
- [Contact Information](#)
- [Site Map](#)

Welcome to MT-IBIS - Montana's Public Health Data Resource

MT-IBIS is your source for data and information on Montana's priority public health issues. The mission of the Montana Department of Public Health and Human Services is to promote health and wellness, and improve health outcomes for all people in Montana. MT-IBIS provides access to the data that can help provide answers to realize the health goals of Montana.

Watch the YouTube Video

You can watch a short [MT-IBIS YouTube video](#) that provides an overview of the site.

Suggestion Box

Please feel free to [contact us](#). Your feedback is appreciated.

[Office of Epidemiology and Scientific Support, Montana Department of Public Health and Human Services, Helena, MT 59620](#)

Office of Epidemiology and Scientific Support, Montana Department of Public Health and Human Services, Helena, MT 59620
<http://dphhs.mt.gov/publichealth/Epidemiology>

<http://ibis.mt.gov/query>

IBIS

- <http://ibis.mt.gov/query>
- How many people aged 85 years and older were in Lewis and Clark County in 2015?