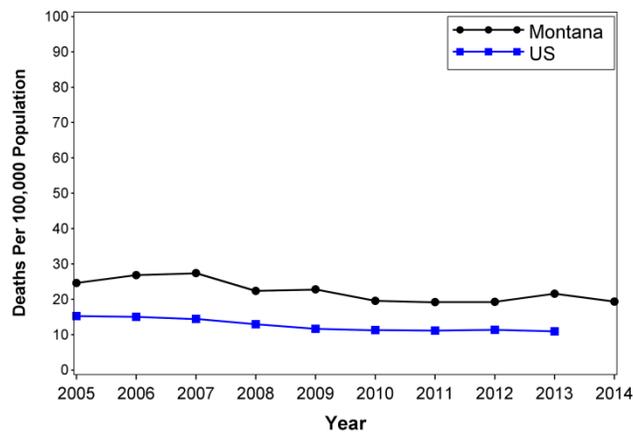


# 2014 Montana Vital Statistics

MONTANA DEPARTMENT OF PUBLIC HEALTH AND HUMAN SERVICES  
PUBLIC HEALTH AND SAFETY DIVISION

Age-Adjusted Death Rates for  
Motor Vehicle Accidents  
Montana and the U.S. Residents, 2005-2014



Office of Epidemiology  
and Scientific Support

1400 E Broadway  
Helena, Montana 59620-2951

[http://dphhs.mt.gov/  
publichealth/epidemiology](http://dphhs.mt.gov/publichealth/epidemiology)

# MONTANA VITAL STATISTICS SYSTEM

“The Vital Statistics System builds and maintains a complete, uniform system of accurate vital information to satisfy the legal requirements of individuals and their families, provide timely and convenient access for research and statistical needs for planning at the local, state, and national levels, and ensure the security of the information guaranteed by law.”

The Montana Vital Statistics System:

- ✦ Maintains a permanent public record of each birth, death, and fetal death filed in Montana since 1907.
- ✦ Maintains statistical information and statewide indexes for each marriage and marital termination that has occurred in Montana since July 1943.
- ✦ Develops forms, standards, and guidelines for registration or reporting of all vital events occurring in the State of Montana.
- ✦ Directs and monitors the functions of 56 local registrars to assure statewide compliance with the statutory mandate for uniform application of registration laws, policies, and procedures.
- ✦ Provides certified copies of birth, death, and fetal death certificates and processes certificate corrections, adoptions, legitimations, and delayed birth certificates.
- ✦ Prepares and maintains computer files of State birth, death, fetal death, induced abortion, marriage, marital termination (divorce) data and monitors these files for data quality.
- ✦ Builds and continues cooperative relationships with federal, state, and local agencies--including the National Center for Health Statistics--that collect, maintain, and use vital records and health statistics.
- ✦ Provides statistical data, tabulations, and analyses in support of health policy development, status assessment, and service assurance.

## **PREPARED BY**

This report was prepared by the Vital Statistics Analysis staff of the Office of Epidemiology and Scientific Support, Public Health and Safety Division, Department of Public Health and Human Services.

Special appreciation is extended to following staff members:

Carol Ballew, Ph.D.  
Senior Public Health Epidemiologist and Chief of the Office of Epidemiology and Scientific Support

Todd M. Koch, MPH  
Lead Vital Statistics Epidemiologist

Madeline Moyer, B.A.  
Senior Vital Statistics Research Analyst

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Karin Ferlicka  
State Registrar, Office of Vital Statistics

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Data Acquisition Supervisor, Office of Vital Statistics

Numerous data providers around Montana and the nation, who keep us informed of changes in the vital status of Montanans.

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# INTRODUCTION

This report was prepared by the Montana Department of Public Health and Human Services (DPHHS), Office of Epidemiology and Scientific Support (OESS). OESS primarily uses data collected through the Montana Vital Statistics System. However, the following organizations also provided information: The Judicial Case Management System (JCMS) of the Montana District Court System provided marriage and divorce data. National mortality and natality data and population estimates are provided by the National Center for Health Statistics (NCHS). These provide context for interpretation of Montana vital events. This report provides a reference to some of the more frequently used Montana vital statistics. Because it is intended primarily for reference, analysis and interpretation of the data are limited. The 2014 Montana Vital Statistics Report, and several prior reports and additional tabulations, are available on the Montana Vital Statistics website:

<http://dphhs.mt.gov/publichealth/Epidemiology/OESS-VS#223953338-annual-report>

More detailed tabulations and analyses are available on request, as time, resources, and confidentiality permit. Requestors may be required to reimburse DPHHS for production costs. Requests should be directed to the Vital Statistics Epidemiologists listed on the OESS contact webpage:

<http://dphhs.mt.gov/publichealth/epidemiology/OESScontactUs>

A general discussion of the sources and limitations of the data used, as well as the findings, with descriptive figures, appears in roughly the first half of this report. Vital statistics reference tables for 2014 make up the last half of the report. Where space permits, data for one or more prior years are provided for comparison. A “List of Reference Tables” at roughly the halfway point in the report describes each of the reference tables by its contents and location, with a beginning letter describing the subject area for each type of table followed by a number. The naming scheme for these tables is described below.

Beginning Letter	Contents of Reference Table
S	selected (mixed record type) statistics
P	population statistics
B	live birth statistics
D	death statistics
F	fetal death statistics

Records collected by the Office of Vital Statistics (OVS) provide the majority of data for these statistics and tabulations. These records include certificates of birth, death, and fetal death, as well as transcripts of marriage, marital termination and invalid marriage (divorce and annulment), and legally induced abortions. Any other source of data is cited in the text or table where the data are used.

## ***Vital Registration and Data Collection***

Registration of births, deaths, fetal deaths, marriages, and divorces is a legal requirement ([MCA 50-15-108](#), [MCA 50-15-221](#), and [MCA 50-15-403](#)) that results in permanent legal documents. Birth certificates must be filed with the local registrar within ten days of the event. The attending physician, midwife, or parent must file the certificate in the county in which the birth occurred. Funeral directors or others in charge of disposition of the body are responsible for filing death or fetal death certificates. The certificates must be filed with DPHHS or the county’s local registrar no later than ten days after the date of death or, if the date is unknown, ten days after the death is discovered. Most births and deaths occurring in Montana are registered electronically. A fetal death certificate must be filed when the fetus weighed 350 grams or more or, if the weight was unknown, when the period of gestation was determined to be 20 completed weeks or more. Marriage and marital termination are reportable events. Before the tenth day of each month, the clerk of district court must report all marriages that have occurred, been dissolved, or been invalidated in the county during the preceding month. The Abortion Control Act ([MCA 50-20-110](#)) makes any induced abortion occurring in Montana a reportable event. Facilities performing induced abortions are responsible for reporting to DPHHS within 30 days of the event.

Original copies of fetal death certificates, reports of induced abortion, marriage, and marital termination, and those few birth and death certificates that are not filed electronically, are forwarded to OVS, which supplies electronic copies of these events to OESS for surveillance and further analysis. All birth, death and fetal death certificates for events occurring in Montana are permanently filed with and maintained by OVS.

With the exception of reports of marital termination, which since October 1998 have been collected and edited

by the Montana justice system and forwarded electronically to the OVS. OVS staff check all records and reports for accuracy and completeness and, when they are not acquired electronically, code them for data entry. Those data that are not received electronically are key-entered and records of all these events, regardless of how they are acquired, are maintained in the electronic files of Montana's Vital Statistics System.

The OVS designs vital certificate and report forms to meet all legal registration and reporting requirements and to provide statistical data to federal, state, and local government agencies, as well as many private organizations, modifying these forms as information requirements change. The following statistical data on these vital events are available in electronic files for analysis:

<b>NATALITY (birth records, 1989 to current data year)</b>
Date, hour, and place of birth.
Age, race, ancestry, education, and state of birth of the parents, place of residence and marital status of the mother.
Pregnancy history, including number of prior pregnancies and their outcomes, date of last prior pregnancy, date of last normal menses and obstetric estimate of length of gestation, date at which prenatal care began and ended, and number of prenatal visits, medical risk factors of the mother during the pregnancy, tobacco and alcohol use during pregnancy, and the mother's weight gain.
Birth process (including whether the mother was transferred to another hospital), obstetric procedures, maternal risk factors for the pregnancy, method of delivery, and maternal morbidity.
Infant's sex, plurality, birth order, weight, and APGAR scores; abnormalities and congenital anomalies of the newborn, whether the infant was transferred to another hospital. Starting with data for 2008, the files also contain infections present and/or treated during the pregnancy, various characteristics of labor and delivery, maternal morbidity, payer for the birth, whether the mother was participating in the WIC program, and whether the infant was being breastfed at discharge.

<b>MORTALITY (death records, 1989 to current data year)</b>
Date, hour, and place of death, decedent's age at death, sex, race, ancestry, education, marital status, birthplace, and place of residence.
Underlying and multiple causes of death, whether an autopsy was performed and, if so, whether results were available when cause of death was determined, if death resulted from an external cause (accident, suicide, or homicide), the circumstances of the injury, including whether it was sustained at work. Industry and occupation of the decedent, tobacco use as a contributing cause, pregnancy at or near the time of death, and membership in the armed forces. These last five items are available for data years 2003 and forward only.

<b>FETAL MORTALITY (1989 to current data year)</b>
Date, hour, and place of delivery.
Age, race, ancestry, and education of parents, place of residence and marital status of the mother.
Cause of death, sex, weight, plurality, birth order, and any anomalies of the fetus.
Significant conditions of the mother, including number of prior pregnancies, date and result of last prior pregnancy, date of last normal menses, month in which prenatal care began, number of prenatal visits, maternal risk factors during the pregnancy--medical conditions, tobacco and alcohol use, and weight gain, clinical estimate of gestation, obstetric procedures, complications of labor and delivery, method of delivery. Starting with data for 2008, the files also contain infections present and/or treated during the pregnancy, and maternal morbidity.

# TECHNICAL OVERVIEW

## *Data Sources and Limitations*

### **Delay in Reporting**

This report reflects vital records, reports, and transcripts for calendar year 2014 received before July 15 of the following year. The number of records received after this latter date is small, and since the use of this "cut off" date is fairly consistent from year to year, the effect of omitted data on trends and patterns is likely to be minimal and use of the "cut off" balances timeliness of reporting with completeness of reporting.

### **Geographic Allocation**

Table titles or footnotes indicate whether events are shown by place of residence or place of occurrence. For example, if a resident of Florida is killed in an accident in Montana, the death is counted as a Montana occurrence but not a Montana resident death; it is included in Florida's residence statistics. Births, deaths, and fetal deaths may be tabulated by either place of residence or occurrence. For births and fetal deaths, the place of residence of the newborn or fetus is the usual place of the mother's residence. For deaths, the place of residence is the usual place where the decedent resided. "Place" on a Vital Record is specific to the time of the event documented, and does not necessarily indicate the place of exposure to disease or injury.

Residence data for births, deaths, and fetal deaths occurring outside Montana are available because of a cooperative, interstate transcript-exchange agreement. All states and Canadian provinces participate in this agreement under the auspices of the National Association for Public Health Statistics and Information Systems (NAPHSIS). Interstate data on induced abortions are available for only a few states and tables in this report reflect only induced abortions provided in Montana, except those in **Table S-5**. The resident statistics in this table refer only to Montana residents who received abortions in Montana.

While we can identify most of the nonresidents marrying in Montana, we do not know how many Montana residents marry outside of the state, nor do we know of

residency changes associated with marital terminations. No exchange agreement is in effect for records of marriages or marital terminations. Tabulations of these events are thus only by Montana occurrence. Data on marital terminations are limited to Montana decrees involving at least one Montana resident and are tabulated as occurrences in the Montana county in which the decree was issued.

### **Cause of Death Certification**

The medical certification section of the Montana death certificate asks for information on the cause and sequence of events leading to death. The certifier (certifying physician, physician's assistant, or coroner) completes this section of the death certificate. It consists of two major parts, along with additional information. Part I is used for reporting the conditions leading directly to death and, for each, the interval between onset of the condition and death. Part II is for reporting any important diseases or conditions that contributed to the fatal outcome, but that were not related to the immediate cause of death (**Table 1**).

The certifier is also asked to classify the manner of death (natural, homicide, suicide, or accident), whether tobacco use contributed to the death and, if the decedent was female, whether the decedent was pregnant within the preceding year.

In the case of a traumatic death (homicide, suicide, accident, or legal intervention), the certifier, a coroner in this case, is also asked to complete a description of the traumatic event that led to the death, as well as date and location. If the event was a traffic accident, the decedent is to be identified as a driver, passenger, pedestrian, or other.

If the coroner cannot decide among these options within the allotted ten days, he or she has the option of filing "pending investigation" and later amending the certificate. If the investigation does not point to one of the three options, the record can be filed "could not be determined."

**Table 1. Example of cause of death reporting.**

Part I. Death was caused by:	Duration
Immediate cause: Due to (a) postoperative bronchial pneumonia	3 days
Due to (b) lobectomy	1 week
Due to (c) primary cancer of lung	1 year
Part II. Other significant conditions	
Hypertensive cardiovascular disease	

The causes of death in this report represent the underlying causes derived from the information provided on Parts I and II and, if the death results from a traumatic event, the additional information discussed above. In the above example, the underlying cause would be lung cancer. Each condition or cause reported on death certificates is classified according to the International Statistical Classification of Diseases, Injuries, and Related Health Problems, Tenth Revision, World Health Organization, Geneva, 1992 (ICD-10). The nosologist, the person responsible for coding cause of death information, develops an underlying cause using ICD-10 codes and coding procedures developed for nationwide use by NCHS of the Centers for Disease Control and Prevention (CDC), Public Health Services, U.S. Department of Health and Human Services. The ICD-10 code for the death in the illustration above would be C34.9, "malignant neoplasm of bronchus or lung, area or lobe unspecified."

In accordance with the rules of nosology and ICD-10, when the underlying cause is a traumatic injury, poisoning, or other adverse effects, this report shows tabulations of deaths according to the nature of the event that led to fatal injury, poisoning, or adverse effect rather than the nature of the event's consequences.

Whenever possible, deaths are classified by the underlying cause reported. Exceptions occur when the underlying cause is not apparent from the certificate and clarification is not available. In these rare instances, the probable underlying cause is determined using a system of rules developed by NCHS.

### Marriage and Marital Termination

Data on national marriage and marital termination statistics are limited by differences in data collection and data availability at or below the state level. Marriage,

marital termination, and residency and other requirements are defined by the laws of each state. The minimum age for marriage, marriage license requirements, residency requirements for marital termination, acceptable grounds for such termination, and minimum period between marriage and marital termination vary from state to state. These differences can affect the comparability of data in interstate analysis.

Data aggregation is also affected by how data are collected and reported. For most states, including Montana, frequency of marriage is based on marriages performed. For some states, data represent licenses issued.

### Population Estimates

All rates per 1,000 or per 100,000 population in this report are based on population data provided by the U.S. Census Bureau or NCHS. In recent years, OESS has relied on a special series of annual population estimates—U.S. Census Population Estimates with Bridged Race Categories—produced by NCHS, in collaboration with the National Cancer Institute and the Census Bureau (**Table P-1**). These estimates are stratified by age, race, sex, and county and are used in this report to derive statewide fertility rates, abortion rates, and age-specific and age-adjusted mortality rates. OESS uses the latest available updates of these population estimates for such calculations. Further explanation can be found at the following web site:

[http://www.cdc.gov/nchs/nvss/bridged\\_race.htm](http://www.cdc.gov/nchs/nvss/bridged_race.htm).

### Race

Tabulation of vital events by race is imprecise for several reasons. First, it is difficult to identify a single or predominant race when persons are of mixed race or ancestry, as is the case for many U.S. citizens. A second difficulty with tabulations by race is that the category

assignment is based on the opinion of the informant. As such, it may not reflect the same definitions of racial groups from one record to the next.

There are two other areas where racial classifications may lack precision—the "Hispanic" ancestry designation and the grouping of responses into an "Other" category. Hispanic ancestry is reported separately from race. Thus, it may apply to any racial category including "White" and "American Indian." The proportion of persons in Montana reported as being of Hispanic ancestry is so small however (a little less than three percent), that creating racial categories based on combined racial and Hispanic classifications for Montana is unlikely to yield any useful information.

The "Other" category is made up of all individuals not classified in the identified group(s) shown in any particular table. Those for whom race is not reported are therefore included in the "Other" category in all reference tables. According to the 2010 Census, about nine out of ten Montanans (89.4%) considered themselves to be white alone (i.e., indicating no other racial classification). About 6.3% considered themselves American Indian or Alaska Native (AI/AN) alone. Another 2.5% of the population considered themselves to be of two or more races. The remainder considered themselves to be of one of the remaining races—black (0.4%), Asian (0.6%), Native Hawaiian or Pacific Islander (0.1%), or some other race (0.6%)—alone. Thus, classifying persons of unknown race as "Other" may introduce an unknown, but probably slight, bias into statistics calculated from the data in these tables.

Prior to 2003, only one race value for each person was recorded on all vital event records. The recording of multiple races began with Montana death records in 2003, induced abortion and marriage records in 2007, and birth and fetal death records in 2008. Divorce records still contain only single-race items. For all but divorce records, informants are asked whether the decedent belongs to one or more of 14 specific racial groups or some other unspecified race. Informants are encouraged to "check one or more races" to indicate to what racial group persons named on the certificate belong or belonged. They are also encouraged to identify ethnic groups or tribal affiliations that apply. OESS examines each record received for the certificant's national heritage, including affiliation with a known American Indian tribe, and classifies records accordingly.

For all records other than divorce records, racial classifications shown in this report are based on a "bridged race" category, in which four racial groups—white, black, American Indian or Alaska native (AI/AN), and Asian and Pacific islander—are reported. Records for which only a single race is reported are assigned a bridged category according to the race provided. NCHS "bridges" those records for which two or more races are reported; a representative race is assigned using a probabilistic model described at this web site: [http://www.cdc.gov/nchs/data/dvs/multiple\\_race\\_docu\\_5-10-04.pdf](http://www.cdc.gov/nchs/data/dvs/multiple_race_docu_5-10-04.pdf). Bridged race categories are intended for use in the calculation of population-based rates, along with the bridged population estimates mentioned above. For births and fetal deaths, the race of the infant or fetus is defined as the race of the mother.

### **Marital Status**

The mother's marital status is designated "Married" on the birth record if the mother is reported on the certificate as married "at birth, conception, or any time in between". The mother is designated "Married" on the fetal death certificate if the mother was married "at delivery, conception, or any time in between".

Marital status categories on death records are "Never married," "Married," "Married but Separated," "Widowed," "Divorced," or "Unknown," as described by the informant. Categories of marital status on the abortion report are the same, except that two categories are combined into the single category "Married or Separated." The "Divorced" designation on such records includes both marital dissolutions (formerly called divorces) and invalid marriages (formerly called annulments).

### **Limitations of Small Numbers**

Rates or trends based on small numbers, perhaps less than 100, must be interpreted with caution. For this reason, small frequencies are often withheld in this report. Similarly, percentages or population-based rates calculated from small totals can also be misleading. For this reason, rates and percentages calculated from fewer than 20 events are not shown.

In order to prevent identification of individuals and their protected health information, this report suppresses counts of smaller than five in a table cell.

Tabulating occurrences of an event over a period of several years may reduce the impact of chance variability

in calculated rates or percentages. An example is the five-year infant mortality rate in **Table D-7**. We have limited the use of multi-year rates in this report because such rates can conceal changes in trends that take place during the multi-year period.

## ***Data Tabulation and Presentation***

### **Geographic Tabulation**

Birth, death, fetal death, and induced abortion data are tabulated for Montana residents by place of residence and for all vital events occurring in Montana by place of occurrence. Births, deaths, and fetal deaths that occurred out-of-state to Montana residents are included under resident statistics. Resident statistics on induced abortions include only in-state occurrences (i.e. abortion procedures performed on Montana residents in Montana). All occurrence statistics include events that occurred in Montana to residents of other states. All marriage and divorce statistics in this report are Montana occurrences.

### **Use of Rates and Ratios**

It is sometimes useful to adjust a rate or ratio for factors in the population that may affect the measurement. For instance, mortality rates, expressed as numbers of deaths per 1,000 or 100,000 resident population, can be adjusted to account for the effects of demographic factors that might affect mortality, such as race or age composition of the population. Wherever such adjustments have been made in this report, we indicate this in the title of the table or graph.

While many graphs are adjusted for age or sex, most reference tables in this report present rates and ratios that have not been adjusted to account for such factors. In such "crude" rates, the denominator is the estimated state or county population, divided by 1,000 or 100,000, and the numerator is the number of events, not weighted by any factor. Examples and further explanations of both crude and age-adjusted rates are given in the DEFINITIONS section.

## **Definitions**

This section provides definitions of selected demographic, statistical, and medical terms as they are used in this publication. The terms are listed in alphabetical order. Terms discussed elsewhere in the Technical Overview Section, such as cause of death, race, marital status, and population estimates, are not included.

**Abortion** – the spontaneous or induced termination of a pregnancy, without live birth. The number of spontaneous abortions is not reported to the Department of Public Health and Human Services. This report focuses on induced abortions performed in Montana, which Montana law requires to be reported.

**Abortion Ratio** – the number of induced abortions reported, divided by the number of live births. It is calculated as follows:

$$\text{Abortion ratio} = \frac{\text{Number of induced abortions}}{\text{Number of live births}} \times 1,000$$

**Age** – the calculated age, usually in years, of the person(s) involved in a vital or reportable event. In this report, age was calculated based on reported date of birth and date of the event. Age in days was calculated from the reported dates, divided by 365.25, and truncated to yield age in years. Where the record of the month or day of birth were incomplete or invalid, the month was assumed to be June and the day the 15<sup>th</sup> of the month.

**Age-Adjusted Death Rate** – an index number that represents the death rate that would occur if the observed age-specific death rates were present in a population with a proportional age distribution identical to that of a hypothetical standard population. It is derived from several observed age-specific death rates and used to compare relative mortality risks from one population to another (including comparisons of the resident populations of a single geographic region at different times). Statistically, it is a weighted average of the age-specific rates, with the weights representing the proportionate distribution of age in the hypothetical population. (See the definition of Age-Specific Death Rate below and the "Crude, Age-Specific, and Age-Adjusted Death Rates" section in the Mortality

chapter of this report for more discussion.) It is calculated in this report by the direct method, using the projected U.S. population for the year 2000 as the standard population, as follows:

$$\text{Age-adjusted death rate} = \sum_{i=1}^{11} S_i w_i$$

where  $w_i$  = the weight of the  $i^{\text{th}}$  age group in the standard population

where  $S_i$  = the age-specific death rate for the  $i^{\text{th}}$  age group

**Age-Specific Death Rate** – the proportion of deaths in a specific age group, expressed as a number per thousand persons in that age group. It is calculated as follows:

$$\text{Age-Specific Death Rate} = \frac{\text{Number of Deaths in the age group}}{\text{Mid-year Population of the age group}} \times 100,000$$

**Apgar Score** – an evaluation of a newborn infant’s physical status that assigns numerical values (0-2) to each of five criteria: 1) heart rate, 2) respiratory effort, 3) muscle tone, 4) response stimulation, and 5) skin color. A score of ten indicates the best condition.

**At-Risk Population** – all of the persons to whom a given event could occur. The at-risk population is the denominator in a rate calculation. (See the use of "at risk" in the definition of Fertility Rate).

**Birth Rate** – the proportion of resident live births in the total population (both sexes of newborn, all ages of mother), expressed as a number per thousand persons (both males and females) in that resident population. Unless otherwise stated, the birth rate in this report is the annual crude rate, unadjusted for factors affecting the population. It is calculated as follows:

$$\text{Crude birth rate} = \frac{\text{Number of live births}}{\text{Midyear population}} \times 1,000$$

**Death Rate** – the proportion of resident deaths in the total population, expressed as a number per thousand population. Unless otherwise stated, the death rate in this report is the annual crude rate, unadjusted for factors affecting the population. It is calculated as follows:

$$\text{Crude death rate} = \frac{\text{Number of deaths}}{\text{Midyear population}} \times 1,000$$

**Direct Obstetric Death** – a death resulting from obstetric complications of the pregnant state (pregnancy, labor, and puerperium), interventions, omissions, incorrect treatment, or from a chain of events resulting from any of the above.

**Extremely Low Birth Weight** – the birth weight of an infant of less than 1,000 grams (about 2 pounds 3 ounces).

**Fertility Rate** – the total number of resident live births as a proportion of the estimated female population “at risk” of child bearing, expressed as a number per thousand females in that population. The population at risk of experiencing a birth is all fertile females, approximated as all females in the main childbearing ages (15 to 44 years). It is calculated as follows:

$$\text{Fertility rate} = \frac{\text{Number of live births}}{\text{Midyear population of females aged 15–44}} \times 1,000$$

**Fetal Death** – the reported delivery of a fetus that shows no evidence of life after delivery—that is, no action of the heart, breathing, or movement of voluntary muscles. Montana law requires reporting of fetal death if the fetus weighed 350 grams or more or, if the weight is unknown, if the delivery took place after 20 weeks of completed gestation. There is no requirement in Montana law to report the delivery of a non-viable fetus not meeting these criteria.

**Fetal Mortality Ratio** – the number of fetal deaths as compared to the number of live births, expressed as a number per thousand live births. It is calculated as follows:

$$\text{Fetal mortality ratio} = \frac{\text{Number of fetal deaths}}{\text{Number of live births}} \times 1,000$$

**Frequency** – the number of occurrences of an event or observation; how often an event occurs.

**ICD** – the International Classification of Diseases code used to classify and report causes of death in vital statistics. This code is revised periodically. The current revision is called the International

Statistical Classification of Diseases, Injuries, and Related Health Problems, Tenth Revision, and is published by the World Health Organization. In this report, the code is referred to as ICD-10. (For further details, see the “Cause of Death Certification” section in this report, above).

**Indirect Obstetric Death** – a death resulting from previous existing disease or disease that developed during pregnancy and which was not due to direct obstetric causes, but which was aggravated by physiologic effects of pregnancy.

**Induced Abortion** – a medical or surgical procedure intended to terminate a pregnancy without live birth. Such events are also called “induced termination of pregnancy” (ITOP) by NCHS and are the events commonly referred to as “abortions.” These events are distinct from fetal deaths and “spontaneous abortions,” or miscarriages.

**Infant** – a baby less than 365 days (one year) old.

**Infant Mortality Rate** – the number of infant deaths compared to the number of live births in that same period, expressed as a number per thousand live births. It is calculated as follows:

$$\text{Infant mortality rate} = \frac{\text{Number of infant deaths}}{\text{Number of live births}} \times 1,000$$

**Invalid Marriage** – a marriage deemed to have not been legal; a declaration of invalid marriage was formerly called an annulment.

**Late Maternal Death** – the death of a woman from direct or indirect obstetric causes more than 42 days but less than one year after termination of pregnancy.

**Live Birth** – the birth of a child who shows evidence of life after complete birth. Evidence of life includes heart action, breathing, or movement of voluntary muscles.

**Low Birth Weight** – the birth weight for a live-born infant of less than 2,500 grams (about 5 pounds, 8 ounces).

**Marital Dissolution** – legal termination of a valid marriage; a marital dissolution was formerly called a divorce.

**Marital Termination** – the sum of marital dissolutions (sometimes called divorces) and invalid marriages (sometimes called annulments).

**Maternal Death** – the death of a woman while pregnant or within 42 days of termination of pregnancy, irrespective of the duration and the site of the pregnancy, from any cause related to or aggravated by the pregnancy or its management, but not from accidental or incidental causes.

**Maternal Mortality Rate** – the total number of maternal deaths as a proportion of total live births, expressed as a number per hundred thousand live births. It is calculated as follows:

$$\text{Maternal mortality rate} = \frac{\text{Number of maternal deaths}}{\text{Number of live births}} \times 100,000$$

**Mean** – the arithmetic mean, obtained by dividing the sum of individual values or scores by the number of values or scores observed. For example, the mean age for six persons aged 9, 10, 12, 13, 13, and 16 is 73 divided by 6, or 12.2 years.

**Median** – the midpoint; for our purposes, given a set with an odd number of values, the median is the middle value when sorted in numerical order. For a set with an even number of values, the median is the mean of the two “middle” values. For the example set under the definition of Mean, the median age is 12.5 years.

**Mode** – the most frequently observed value in a set of values. For the example set under the definition of Mean, the modal age is 13.

**Natural Increase** – the excess of births over deaths among residents of an area.

**Neonatal Death** – a death occurring within the first 27 days of life.

**Neoplasm** – a new, abnormal, malignant, or benign growth of tissue that is uncontrolled and progressive. All neoplasms may also be called tumors. Malignant neoplasms are commonly called cancers.

**Out-Of-Wedlock Birth Ratio** – the number of births to unmarried women as compared to the number of live births, expressed as a number per thousand live births. It is calculated as follows:

$$\text{Out-of-wedlock birth ratio} = \frac{\text{Number of live out-of-wedlock births}}{\text{Number of live births}} \times 1,000$$

**Parity** – the parity of a current birth is the number of live children the woman has borne, including those born in the current delivery.

**Perinatal Death** – a death occurring near the time of birth. The number of perinatal deaths is the sum of registered fetal deaths and neonatal deaths.

**Perinatal Mortality Ratio** – the sum of fetal deaths and neonatal deaths as compared to the number of live births, expressed as a number per thousand live births in that population. It is calculated as follows:

$$\text{Perinatal mortality rate} = \frac{\text{Number of fetal deaths} + \text{neonatal deaths}}{\text{Number of live births}} \times 1,000$$

**Place Of Occurrence** – the location where an event took place, regardless of the usual residence of the person involved.

**Place Of Residence** – the usual residence of the person involved in an event, regardless of the event's place of occurrence. For births and fetal deaths, this is the mother's usual place of residence. For induced abortions, it is the usual place of residence of the patient. For deaths, it is the usual place of residence of the decedent.

**Plurality (of birth)** – the number of infants born during a particular delivery.

**Post-Neonatal Death** - during the first year of life, but after the first 27 days.

**Pregnancy-Related Death** – the death of a woman while pregnant or within 42 days of termination of pregnancy, irrespective of the cause of death. See definitions for the related concepts Maternal Death, Late Maternal Death, Direct Obstetric Death, Indirect Obstetric Death, and Pregnancy-Associated Death in this section.

**Pregnancy-Associated Death** – the death of a woman, from any cause, while she is pregnant or within one year of delivery or termination of the pregnancy, regardless of duration and site of the pregnancy.

**Premature Birth** – a live birth of less than 37 completed weeks of gestation.

**Puerperium** – the condition of a mother that immediately follows childbirth.

**Quartile** – a quarter (25%) of the distribution of a set of values. For example, the age at the first quartile for eight persons aged 9, 10, 11, 12, 13, 14, 15, and 16 is 10. The median value, which is also the second quartile, is 12.5, and the third quartile value is 14.

**Rate** – the frequency of an event in a population subject to that event, expressed as the frequency per unit--generally 1,000 or 100,000--of the at-risk or subject population. For example, the Montana resident fertility rate per 1,000 fertile females is the number of births to Montana resident women for every 1,000 women in the population.

**Ratio** – the comparison of two types of events occurring in a subject population, expressed as a frequency of occurrence per unit of one of the events. For instance, the fetal mortality ratio is the number of fetal deaths per 1,000 live births. The resident population in which both types of events occur, fertile women residing in Montana, is the same for both events, but the events are of different types and are unlikely to have happened to the same woman in a single year. Also, the total number of women is not part of the calculation; the denominator for the calculation is live births, one of the events.

**Standard Deviation** –a measure of how “spread out” a set of values is, on average, from its mean. A small standard deviation indicates that, on average, the values are tightly grouped around the mean while a large standard deviation indicates that, on average, the values are scattered widely. For the series of values presented for the definition of MEAN, the standard deviation is 2.27. For a set of N values, it is computed as follows:

$$\text{Standard deviation} = \sqrt{\frac{1}{N} \sum_{i=1}^N (x_i - \mu)^2}$$

where  $\mu$  = the mean of the set of N values  
where  $x_i$  = the  $i^{\text{th}}$  value in the set of N values

**Subject Population** – see At-Risk Population.

**Very Low Birth Weight** – the birth weight of an infant of less than 1,500 grams (about 3 pounds 5 ounces).

**Years of Potential Life Lost (YPLL)** – a measure of the cost of premature deaths that emphasizes deaths of the young by measuring the number of years lost to death before a given age, 75 years in this report. Statistically, YPLL is the difference between a given age and the decedent’s age at death, summed for all decedents younger than the given age.

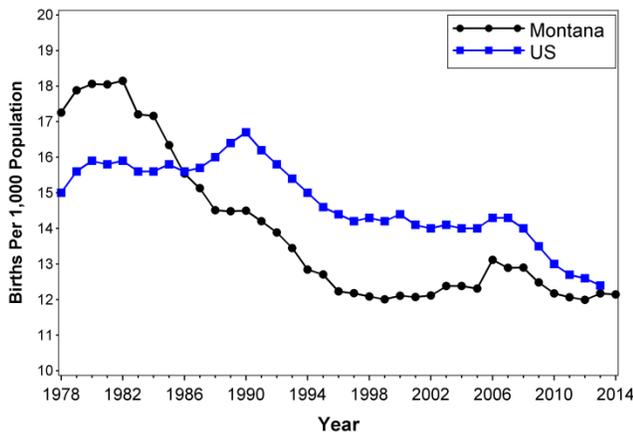
# NATALITY

There were 12,431 babies born to Montana residents in 2014. **Table S-1** shows the frequency and rate of births occurring in Montana (regardless of place of residence) at five-year intervals from 1910 to 1945 and those to all Montana residents (regardless of place of occurrence) in selected later years.

The Montana birth rate was in a long-term decline from the early 1980s to 1999. However, the rate of births to Montana residents leveled off and even began to increase a bit in the mid-2000s. The rate climbed to 13.1 per 1,000 residents in 2006, then declined in 2014 to a rate of 12.1 per 1,000 residents (**Figure 1**).

**Figure 1**

**Resident Birth Rates  
Montana and the United States, 1978-2014**



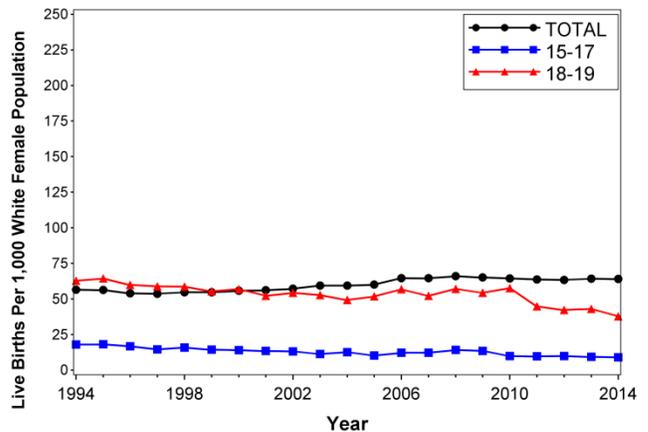
While the Montana birth rate exceeded the U.S. rate from the 1970s to the mid-1980s, it began to decline in the early 1980's and fell below the U.S. rate. Since that time, the Montana rate has been the lower of the two.

## Fertility

The fertility rate is sometimes considered more useful than the birth rate because it is computed for women of reproductive age rather than the total population. Fertility rates are higher for American Indian than for white women in Montana (**Figures 2 and 3**). The differences are especially notable for births to teens, age 15 to 17 and 18 and 19 years of age. Teen birth rates have been declining among American Indians.

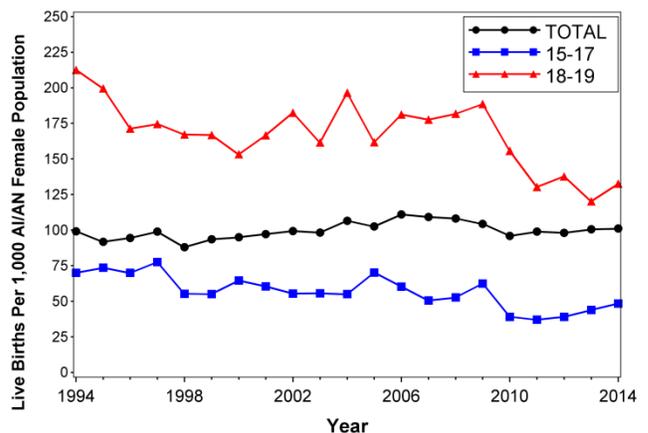
**Figure 2**

**Fertility Rates for White Mothers  
Montana Teens and Mothers of All Ages, 1994-2014**



**Figure 3**

**Fertility Rates for American Indian Mothers  
Montana Teens and Mothers of All Ages, 1994-2014**

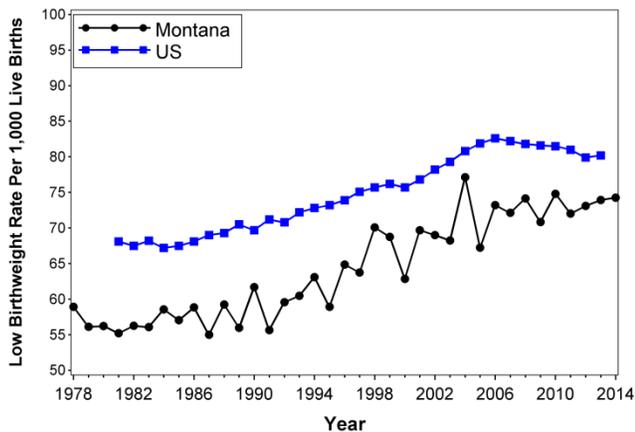


## Low Birth Weight

The rate of low birth weight (less than 2,500 grams or five pounds, eight ounces) in Montana is only slightly lower than the national rate (**Figure 4, Table B-3**). Low birth weight is one of the most important risk factors for infant death.

**Figure 4**

**Rate of Low Birth Weight Births  
Montana Residents, 1978-2014**



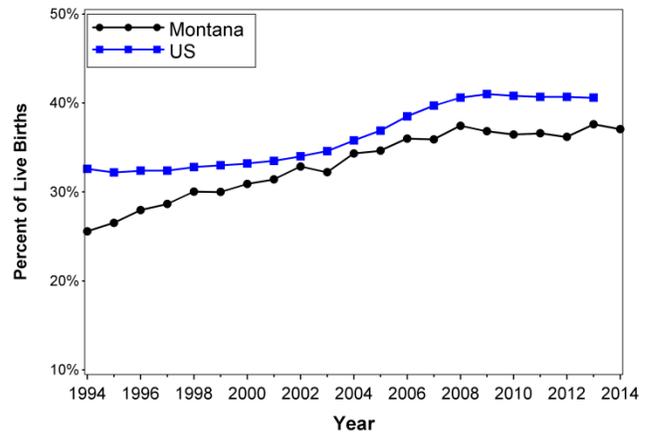
## Mother's Age, Race, and Marital Status

Of those Montanan mothers giving birth in 2014, slightly more than half (55.1%) were between 20 and 29 years of age (**Table S-5**). American Indian births comprised 12.5% of all births, and 85.4% births were to white mothers (**Table S-3**).

The proportion of unwed mothers has steadily increased over the past two decades (**Figure 5**). Births to unmarried mothers represented 23.7% of Montana's resident births in 1990 and 37.1% in 2014. By comparison, unmarried mothers in the U.S. accounted for 40.6% in 2013, the latest year for which a final national statistic is available. The proportion of Montana mothers who were unmarried has been below the U.S. proportion for the last four decades.

**Figure 5**

**Percent of Births to Unmarried Mothers  
Montana and United States Residents, 1994-2014**



**Table S-4** shows the frequency of birth by marital status of the mother for each of Montana's counties in 2014.

## Unreported Pregnancy Outcomes

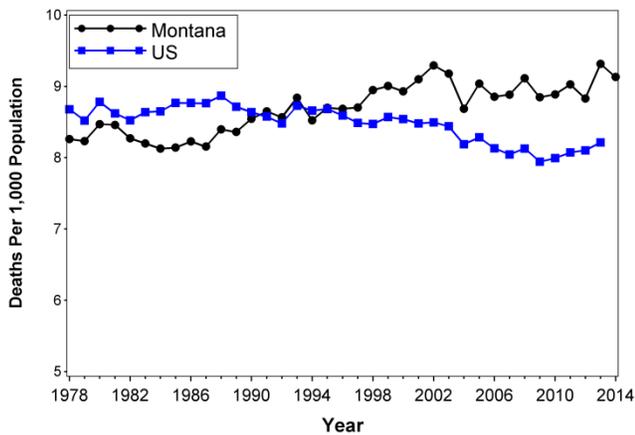
**Table S-5** summarizes pregnancy outcomes reported to DPHHS for Montanans. Those outcomes are live births, fetal deaths where the weight of the fetus meets legal reporting criteria (weight of 350 grams or more or, if the weight is unknown, 20 or more weeks of completed gestation), and induced abortions provided within Montana's borders. It is important to bear in mind that unreported outcomes, miscarriages that do not meet reporting criteria and induced abortions performed on Montanans outside Montana, are unknown to us. These unreported events comprise an unknown portion of the pregnancies experienced by Montanans and this portion could vary substantially over time. Thus, the number of total pregnancies for Montanans is unknown and analysts should be cautious in any reference to total pregnancies.

# MORTALITY

Montana's crude death rate has risen slowly since 1977 (**Figure 6**). Conversely, the U.S. rate has been on a long-term decline since the late 1980's. In 2014 the Montana rate was 9.1 per 1,000 estimated midyear population. The discrepancy between Montana's crude death rate and the US rate is due to Montana's aging population relative to the young national population.

**Figure 6**

**Resident Crude Death Rates  
Montana and United States Residents, 1978-2014**

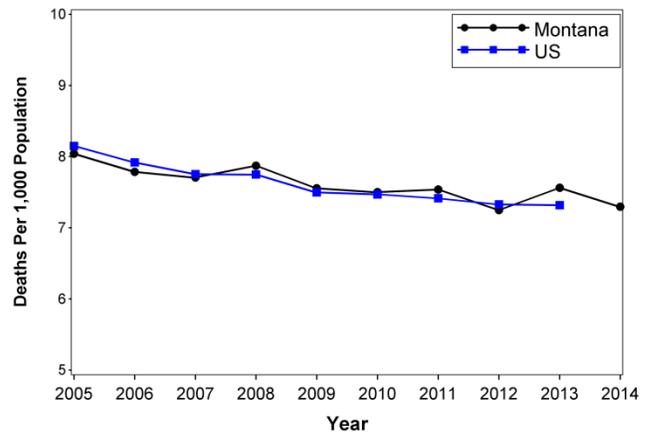


The death rate is closely related to the age structure of the resident population. It is therefore useful to adjust this rate for differences in the age distributions of populations when comparing death rates between those populations. (See the definition of "age adjusted death rate" in the Definitions section of this report for a description of the mathematics of age adjustment. Also, see the section on Age-Specific and Age-Adjusted Death Rates below for discussion of their proper use.) While the crude death rate represents the absolute risk of death in a single population at a particular time, the age-adjusted rate offers a better comparison of the relative risk of death between populations in different geographic areas at a single time or in the same geographic area at different times.

Montana's age-adjusted rate has been declining over the ten years profiled (**Figure 7**). The discrepancies between Montana's and the US age-adjusted mortality rate are much smaller than the discrepancies between the crude rates.

**Figure 7**

**Age-Adjusted Death Rates\*  
Montana and United States Residents, 2005-2014**

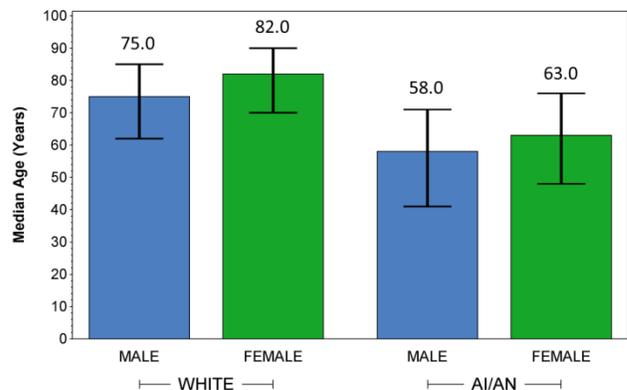


\* Adjusted with the direct method to the projected 2000 U.S. population.

Montana's American Indian residents die at a younger age than white residents (**Figure 8, Table D-9**).

**Figure 8**

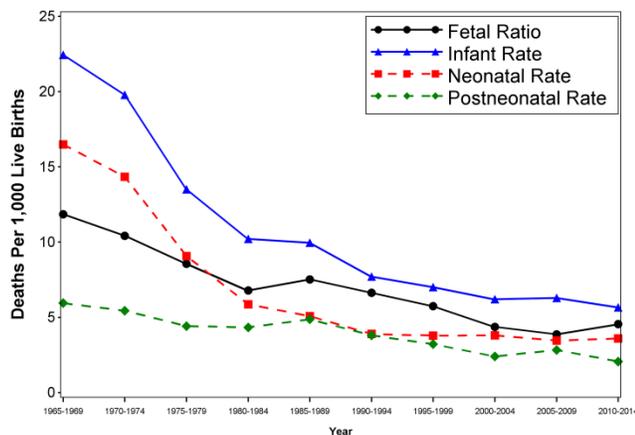
**Median Age at Death,  
25<sup>th</sup> and 75<sup>th</sup> Percentiles,  
Montana Residents, 2010-2014**



## Fetal, Infant, and Maternal Deaths

There was a substantial decline in the five-year infant death rate during the last half century (**Figure 9 and Table S-1**). The neonatal and post-neonatal death rates and the fetal death ratio also declined substantially in this period, albeit by different proportions.

**Figure 9**  
**Five-Year Infant Mortality Rates**  
**and Fetal Mortality Ratios**  
**Montana Residents, 1965-2014**



About two-thirds of all infant deaths in 2014 were caused by sudden infant death syndrome (SIDS), certain conditions originating in the perinatal period, and congenital malformations, deformations, and chromosomal anomalies (Table D-6). This has been the usual proportion for these three causes in recent years.

Table S-1 of the Vital Statistics reference tables shows the frequency and crude rate or ratio of all deaths and of fetal, infant, and maternal deaths at five-year intervals from 1910 to 1970 and yearly from 1971 through 2014. There were 52 resident fetal deaths and 68 resident infant deaths in Montana in 2014.

Frequencies of infant and fetal deaths by Montana county of occurrence and residence are shown in Table S-2. Table S-3 shows the frequency of fetal deaths by the mother's race and year. Selected causes of death by age and sex for Montana resident infants are shown in Table D-1 and in Table D-6. (For a complete listing of all 358 potential causes that could appear in Table D-1, as well as their ICD-10 codes, see the list at <http://dphhs.mt.gov/publichealth/Epidemiology/OESS-VS/OESS-VS-Annual-Report-Reference>. For a complete list of the 130 potential causes of infant death that could appear in Table D-6, see the list at <http://dphhs.mt.gov/publichealth/Epidemiology/OESS-VS/OESS-VS-Annual-Report-Reference>.)

Table F-1 shows the frequency of fetal deaths (called stillbirths in some states) by the gestational age of the fetus, and selected cause of death. (See the list of 124

causes of fetal death, shown at: <http://dphhs.mt.gov/publichealth/Epidemiology/OESS-VS/OESS-VS-Annual-Report-Reference>, for a complete list of causes that could appear in Table F-1.) Table S-3 shows the frequency of fetal, infant, and child deaths by race and year of death.

### **Crude, Age-Specific, and Age-Adjusted Death Rates**

Most death rates presented in this report are crude rates, unadjusted for demographic factors such as age, sex, or race. Crude cause-specific rates express the frequency of mortality from a given underlying cause of death as a proportion of the resident population. They express the risk of dying from the specific cause of death. They are useful in making comparisons, within a single resident population, of the mortality risks associated with different causes. However, crude rates should not be used to compare Montana to other states or the nation, or Montana rates from one year to the next. Given the substantial differences in the age structure between the White and American Indian populations in Montana, crude rates should also not be used to compare white and American Indian rates.

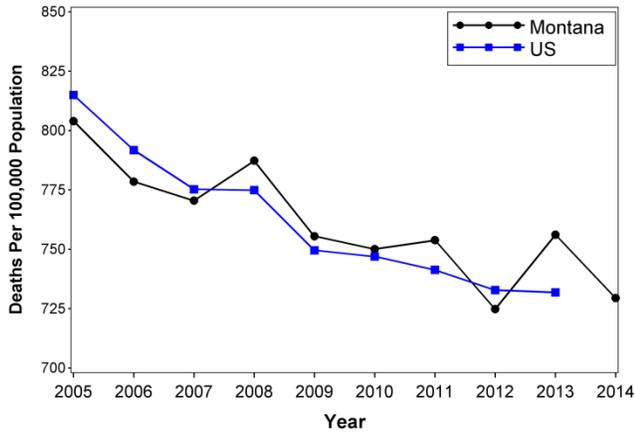
Age-adjusted death rates should be interpreted as index numbers rather than direct measures of mortality risk. They are useful for making comparisons between populations (where demographic variables such as the age composition of the population may differ), but not for making comparisons of the effects of different causes of death within any single population. They are designed to account for differences in the age compositions of resident populations in different years by applying observed age-specific mortality rates to a hypothetical population with an unchanging age composition. By standardizing in this way, age-adjusted death rates help address the issue of whether an increasing or decreasing death rate is due to an aging population or whether some other factors are involved.

Figures 10 through 39, display age-adjusted and age-specific death rates for several of the leading causes of death in Montana and the United States. (For a complete list of the causes that, according to a standard tabulation list of NCHS, could be considered one of the 113 leading

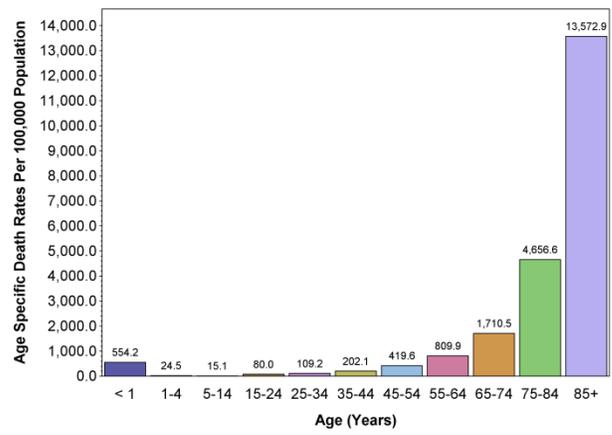
causes of death, see the list at <http://dphhs.mt.gov/publichealth/Epidemiology/OESS-VS/OESS-VS-Annual-Report-Reference>.) The age-adjusted rates in this report are adjusted with the direct method to the projected U.S. population for the year 2000. As with any summary statistic, age-adjusted death rates mask much of the underlying complexity in the mortality experience of a population. Hence, eleven age-specific death rates, each of which contributes a small part to the (average) age-adjusted rate, are also shown for each cause of death displayed.

Because of the small number of deaths in certain age categories, many of the age-specific rates (e.g. those for chronic liver disease and cirrhosis, motor vehicle accidents, homicide, and suicide) may be statistically unstable and present somewhat unrepresentative patterns for a given year. However, for several causes of death, such rates present a clear pattern and add useful information about the burden of particular causes of death among the age groups. Age-specific rates for each cause of death represented here so the reader can judge their usefulness for him or herself.

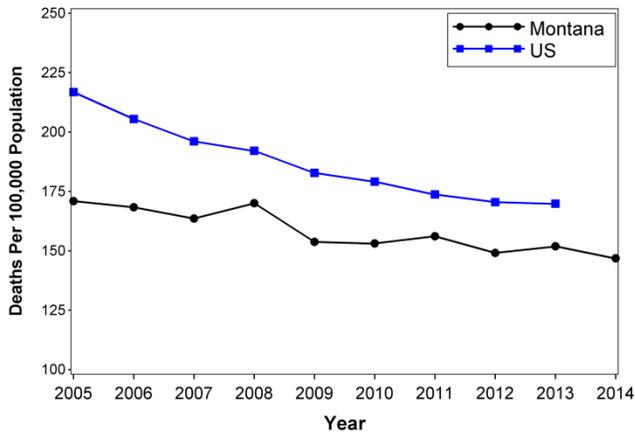
**Figure 10**  
**Age-Adjusted Death Rates for**  
**All Causes**  
**Montana and U.S. Residents, 2005-2014**



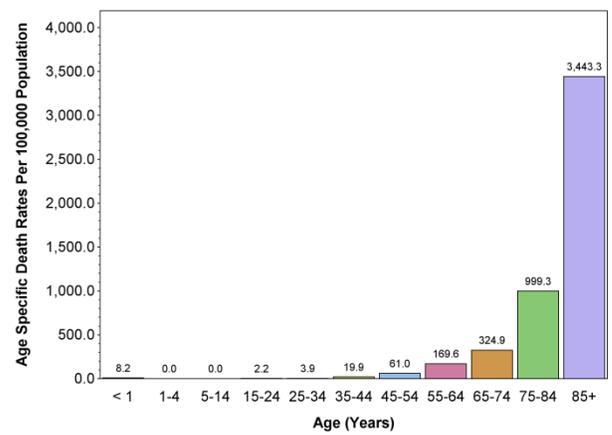
**Figure 11**  
**Age-Specific Death Rates for**  
**All Causes**  
**Montana Residents, 2014**



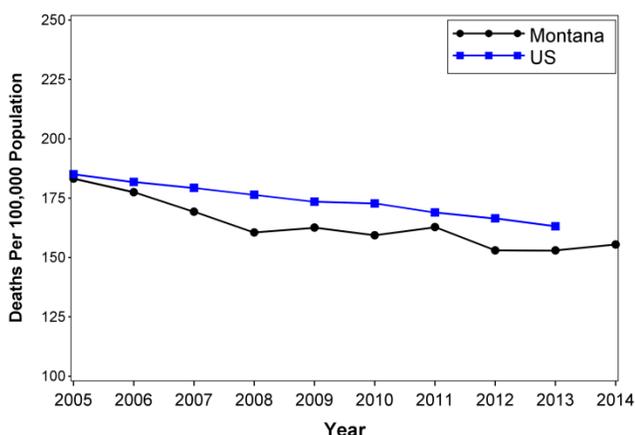
**Figure 12**  
**Age-Adjusted Death Rates for**  
**Diseases of Heart**  
**Montana and U.S. Residents, 2005-2014**



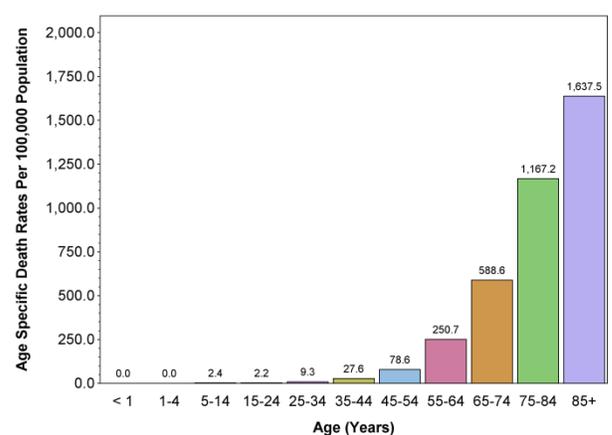
**Figure 13**  
**Age-Specific Death Rates for**  
**Diseases of Heart**  
**Montana Residents, 2014**



**Figure 14**  
**Age-Adjusted Death Rates for**  
**Malignant Neoplasms (Cancer)**  
**Montana and U.S. Residents, 2005-2014**

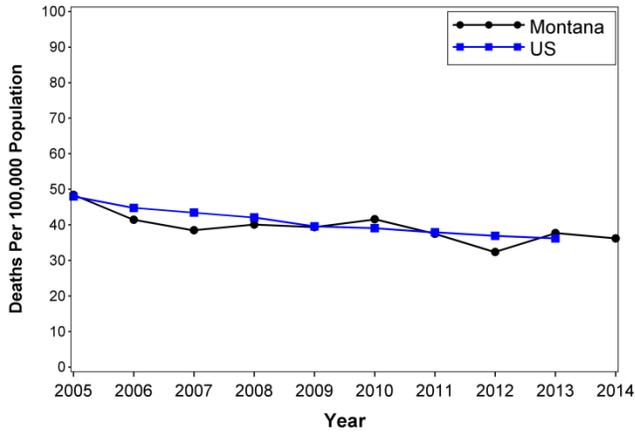


**Figure 15**  
**Age-Specific Death Rates for**  
**Malignant Neoplasms (Cancer)**  
**Montana Residents, 2014**



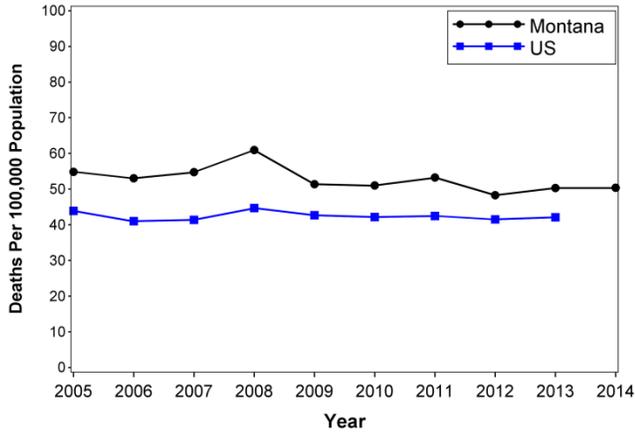
**Figure 16**

**Age-Adjusted Death Rates for Cerebrovascular Diseases Montana and U.S. Residents, 2005-2014**



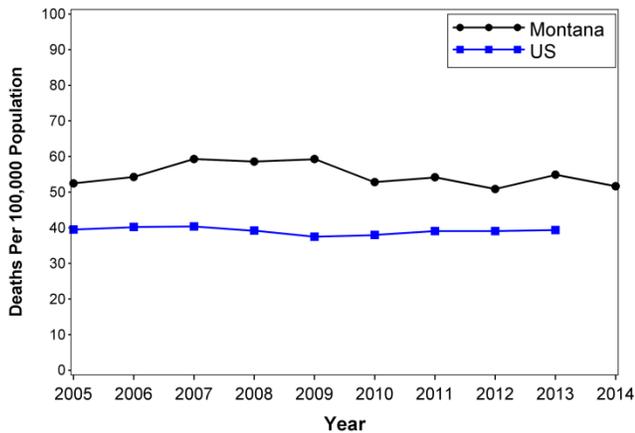
**Figure 18**

**Age-Adjusted Death Rates for Chronic Lower Respiratory Diseases Montana and U.S. Residents, 2005-2014**



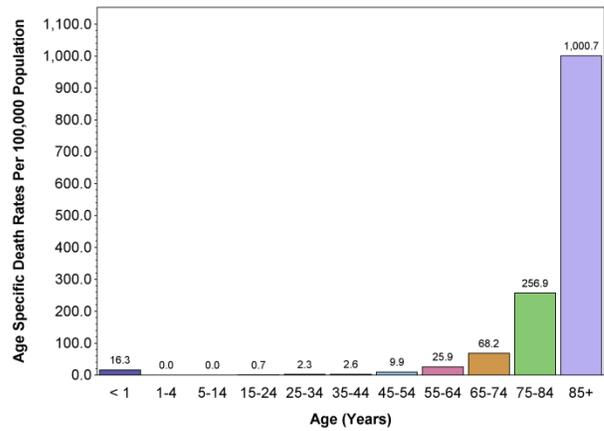
**Figure 20**

**Age-Adjusted Death Rates for Accidents (Unintentional Injuries) Montana and U.S. Residents, 2005-2014**



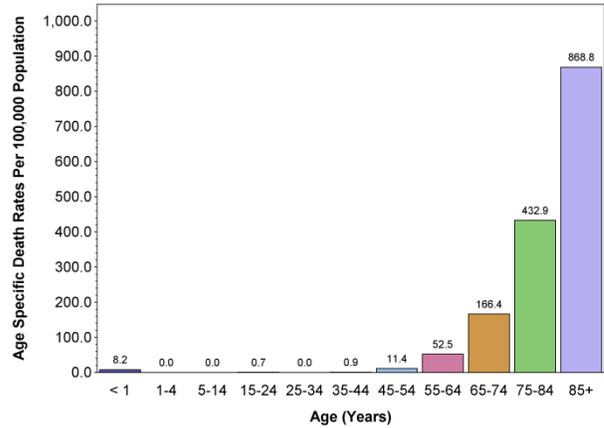
**Figure 17**

**Age-Specific Death Rates for Cerebrovascular Diseases Montana Residents, 2014**



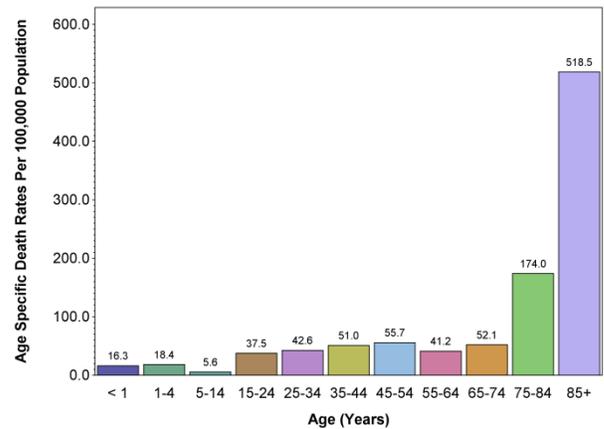
**Figure 19**

**Age-Specific Death Rates for Chronic Lower Respiratory Diseases Montana Residents, 2014**



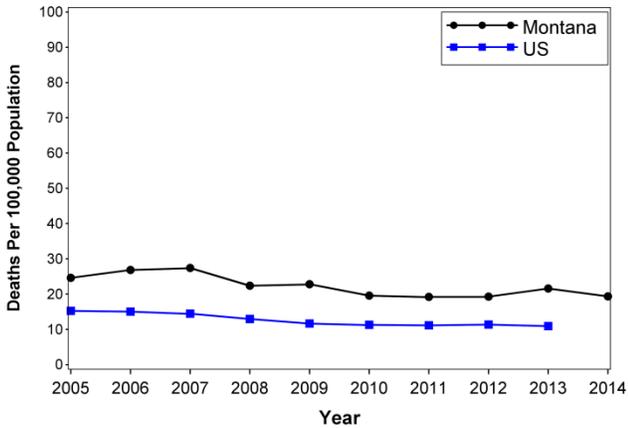
**Figure 21**

**Age-Specific Death Rates for Accidents (Unintentional Injuries) Montana Residents, 2014**



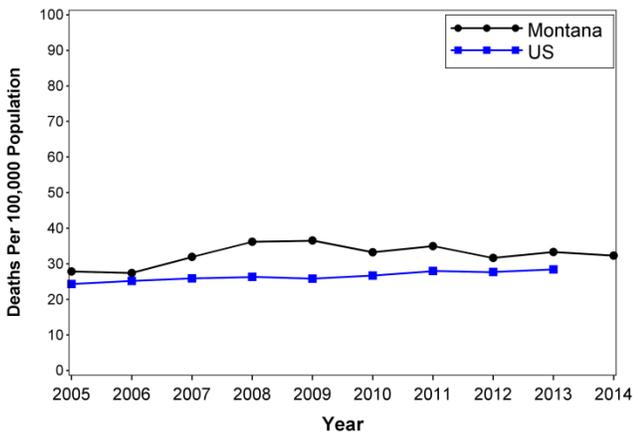
**Figure 22**

**Age-Adjusted Death Rates for Motor Vehicle Accidents  
Montana and the U.S. Residents, 2005-2014**



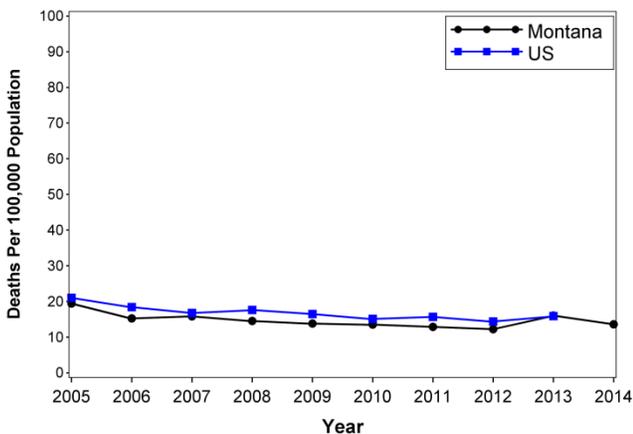
**Figure 24**

**Age-Adjusted Death Rates for Non-Motor-Vehicle Accidents  
Montana and U.S. Residents, 2005-2014**



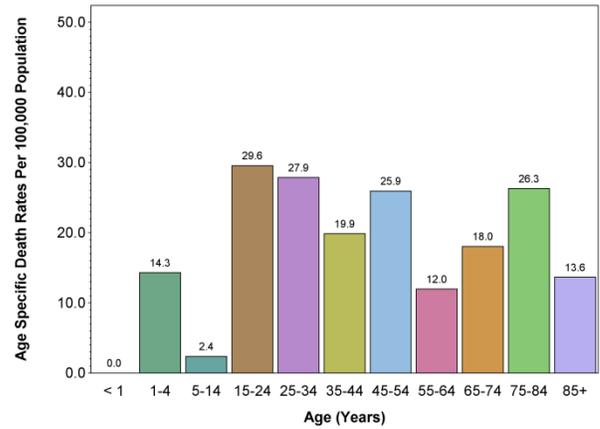
**Figure 26**

**Age-Adjusted Death Rates for Influenza and Pneumonia  
Montana and U.S. Residents, 2005-2014**



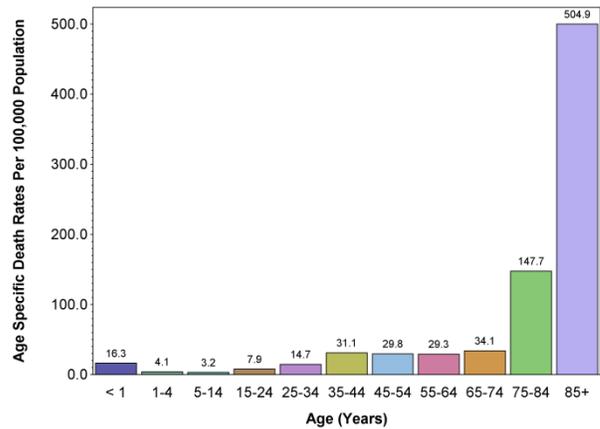
**Figure 23**

**Age-Specific Death Rates for Motor Vehicle Accidents  
Montana Residents, 2014**



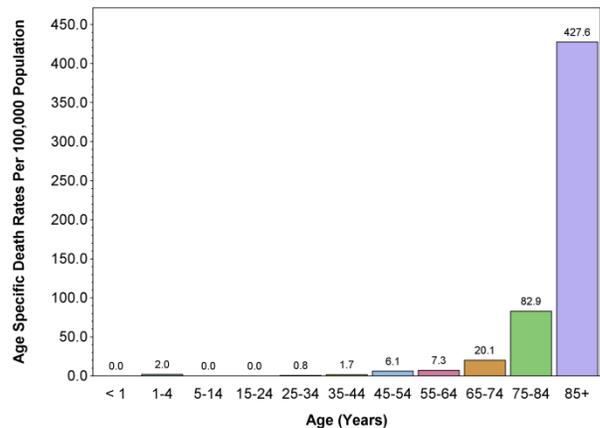
**Figure 25**

**Age-Specific Death Rates for Non-Motor-Vehicle Accidents  
Montana and U.S. Residents, 2014**



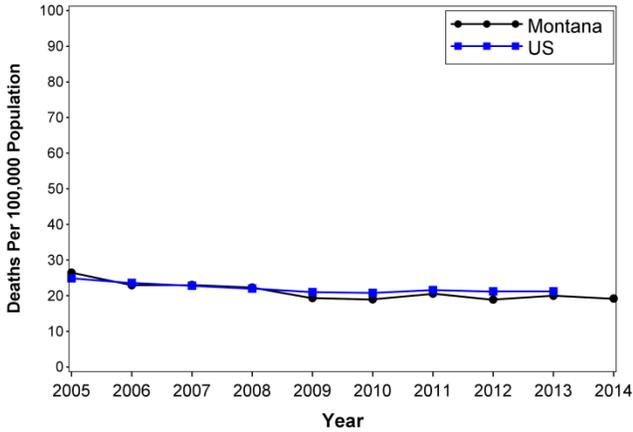
**Figure 27**

**Age-Specific Death Rates for Influenza and Pneumonia  
Montana Residents, 2014**



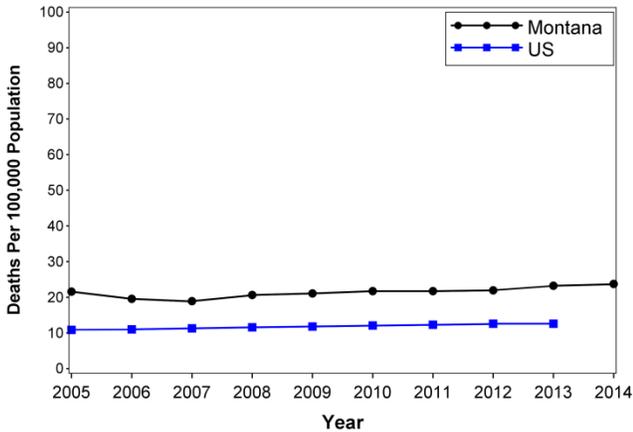
**Figure 28**

**Age-Adjusted Death Rates for Diabetes Mellitus  
Montana and U.S. Residents, 2005-2014**



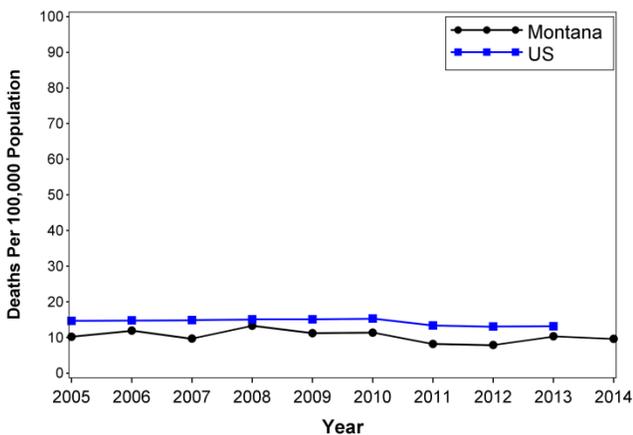
**Figure 30**

**Age-Adjusted Death Rates for Intentional-Self Harm (Suicide)  
Montana and U.S. Residents, 2005-2014**



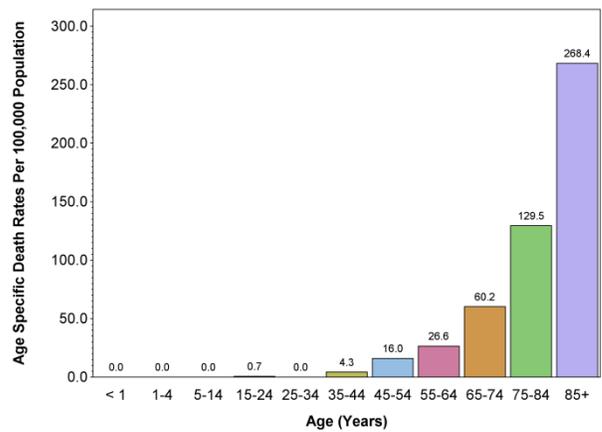
**Figure 32**

**Age-Adjusted Death Rates for Nephritis, Nephrotic Syndrome, and Nephrosis  
Montana and U.S. Residents, 2005-2014**



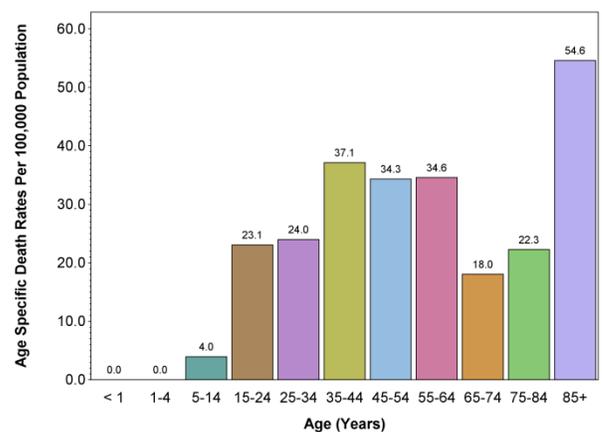
**Figure 29**

**Age-Specific Death Rates for Diabetes Mellitus  
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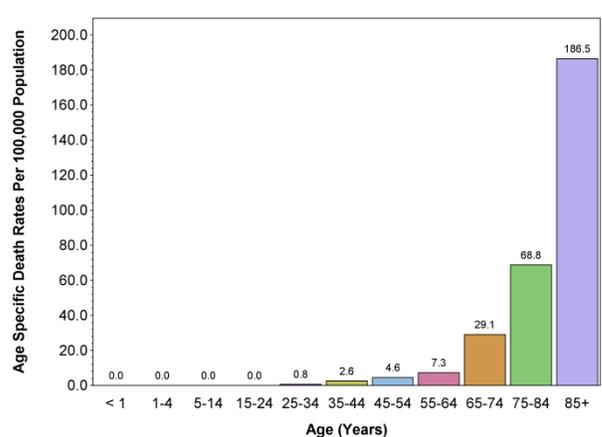
**Figure 31**

**Age-Specific Death Rates for Intentional-Self Harm (Suicide)  
Montana Residents, 2014**



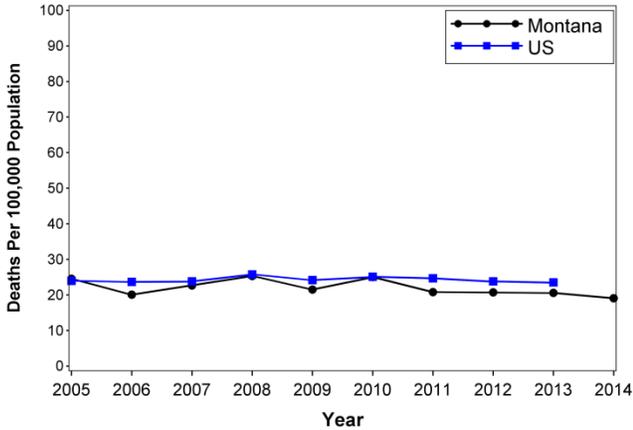
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**Age-Specific Death Rates for Nephritis, Nephrotic Syndrome, and Nephrosis  
Montana Residents, 2014**



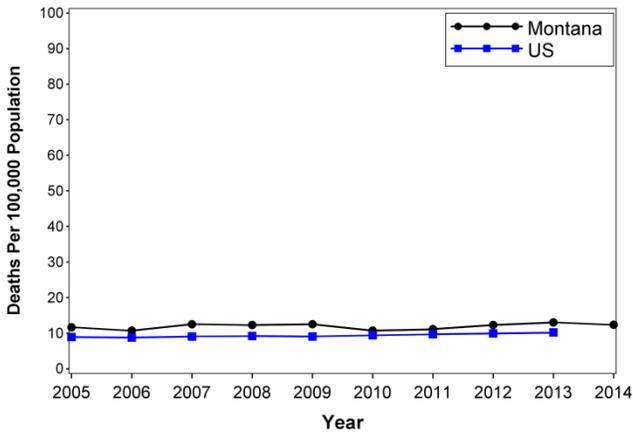
**Figure 34**

**Age-Adjusted Death Rates for Alzheimer's Disease  
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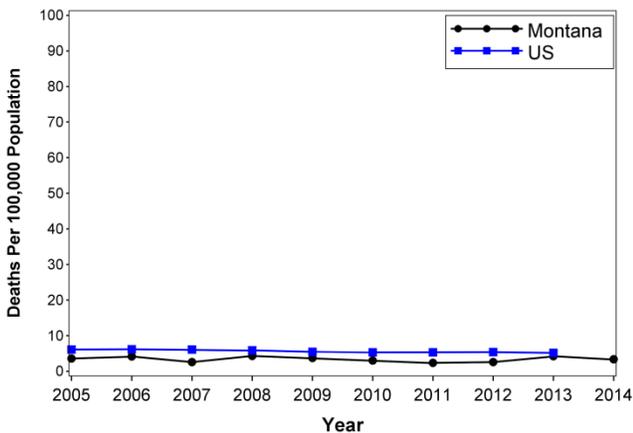
**Figure 36**

**Age-Adjusted Death Rates for Chronic Liver Disease and Cirrhosis  
Montana and U.S. Residents, 2005-2014**



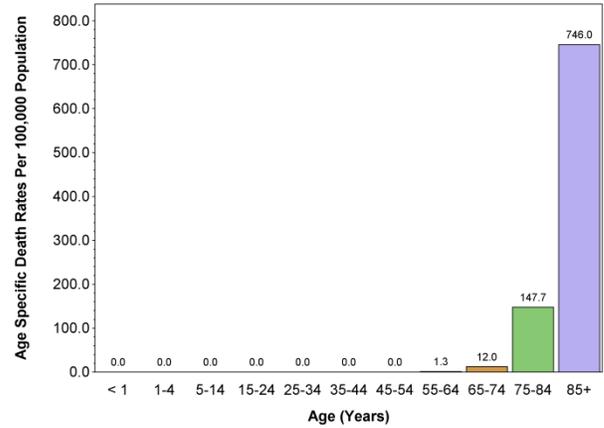
**Figure 38**

**Age-Adjusted Death Rates for Assault (Homicide)  
Montana and U.S. Residents, 2005-2014**



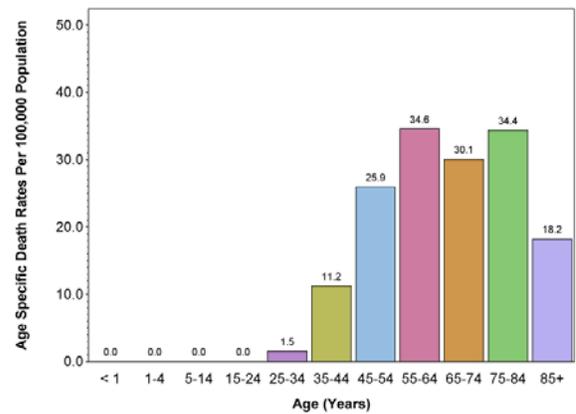
**Figure 35**

**Age-Specific Death Rates for Alzheimer's Disease  
Montana Residents, 2014**



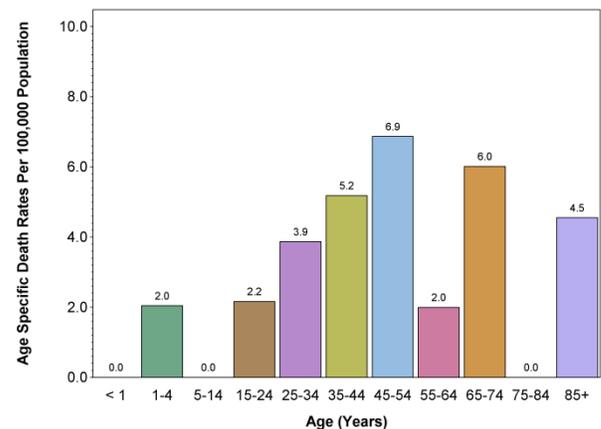
**Figure 37**

**Age-Specific Death Rates for Chronic Liver Disease and Cirrhosis  
Montana Residents, 2014**



**Figure 39**

**Age-Specific Death Rates for Assault (Homicide)  
Montana Residents, 2014**



Montana's overall (i.e. all-cause) age-adjusted death rates (**Figure 10**) are below or just slightly above those for the U.S. and both have declined over time; although the rate of decline appears to be diminishing. Both sets of rates trend in the same direction, but the state's rates show a somewhat more erratic pattern; this to be expected, given the relatively smaller numbers of deaths for the state. Montana's age-adjusted death rates are also generally below those for the U.S. for many of the chronic diseases displayed; Montana's rates for heart disease (**Figure 12**), malignant neoplasm (cancer) (**Figure 14**), and nephritis (**Figure 32**) were among the lowest rates of all the chronic diseases.

For deaths from certain other chronic diseases, however, Montana clearly does not compare well to the nation. The state's rates for chronic lower respiratory diseases (C.L.R.D.)—which includes chronic and unspecified bronchitis, emphysema, and asthma—were higher than those for the U.S. in all years in which rates for both Montana and the U.S. are displayed (**Figure 18**). Montana's rates for chronic liver disease and cirrhosis were higher than the U.S. rate in all years for which direct comparisons are shown (**Figure 36**).

The patterns displayed for other chronic diseases were less conclusive. Montana's death rates for cerebrovascular disease showed inconsistent relationships with the U.S. rates, with the trend lines crossing each other more than once in the period shown (**Figure 16**). Death rates for influenza and pneumonia, Alzheimer's disease, were either slightly lower or virtually the same for all years displayed (**Figures 26 and 43**).

Montana's rates for one traumatic cause of death—homicide—were lower than the corresponding U.S. rates in all years displayed (**Figure 38**). However, the state's rates for the remaining traumatic causes of death—accident (both motor vehicle and non-motor-vehicle) and suicide —were, in all years, substantially higher than those for the nation (**Figs. 20, 22, 24, 30**).

These graphs show secular (i.e. long-term, despite occasional instability in the short-term) reductions in Montana's age-adjusted death rates for specific chronic

diseases such as heart disease, malignant neoplasms (cancer), influenza and pneumonia, diabetes, and cerebrovascular disease. The rates for chronic liver disease and cirrhosis, Alzheimer's, nephritis, and C.L.R.D are neither increasing nor decreasing consistently.

The trends of U.S. and Montana rates for all accidental deaths remain roughly flat (**Figure 20**), although—as noted—Montana's are much higher than those for the U.S. The overall trend for motor vehicle deaths is slightly downwards, but the rate in 2014 was nearly twice the U.S. rate (**Figure 22**). Montana's rate for non-motor-vehicle accidental deaths is on the increase (**Figure 24**). Both the Montana and U.S. rates for suicide have increased somewhat since 2001 (**Figure 30**). It is noteworthy that the Montana suicide rate was often nearly twice the U.S. rate in the period shown. Montana's homicide rate is largely unchanged (**Figure 38**).

### ***Age, Sex, and Race***

Different causes of death are likely to be associated with different ages, sexes and races of the decedent. **Table 2** below illustrates some of the difference in the causes of death for the two sexes. For instance, more males than females died of heart disease, cancer, chronic liver disease and cirrhosis, diabetes, and—most strikingly—the traumatic causes of death (suicide, homicide, and accident). Nearly three and a half times as many males as females died by suicide in this five-year period. More than twice as many males as females died of homicide. About sixty-five percent more males than females died from accidental deaths.

On the other hand, slightly more females than males died of influenza and pneumonia, chronic lower respiratory diseases, and nephritis. More than twice the number of females as males died of Alzheimer's disease. About half again more females than males died of cerebrovascular disease. Typically, those dying of these causes lived the longest lives, as measured by the decedents' median age at death (**see Table D-9**), reflecting the relative longevity of females.

**Table 2. Frequency of Death\* by Selected Cause, Race, and Sex, Montana Residents, 2010-2014.**

Cause of Death	All Races		White		AI/AN		Other or Unknown	
	Male	Female	Male	Female	Male	Female	Male	Female
All Causes	23,446	22,035	21,916	20,738	1,401	1,193	129	104
HIV Infection	21	3	19	2	1	1	1	0
Cancer	5,246	4,622	5,016	4,404	212	198	18	20
Diabetes	656	549	568	469	81	76	7	4
Alzheimer's Disease	444	894	436	885	7	8	1	1
Heart Disease	5,342	4,199	5,052	4,009	264	171	26	19
Cerebrovascular Disease	961	1,347	923	1,295	33	47	5	5
Atherosclerosis	48	45	45	44	3	1	0	0
Influenza And Pneumonia	411	453	393	421	15	31	3	1
Chronic Lower Respiratory Diseases	1,529	1,620	1,476	1,564	47	55	6	1
Chronic Liver Disease And Cirrhosis	430	266	334	180	95	84	1	2
Nephritis, Nephrotic Syndrome & Nephrosis	275	310	255	278	17	31	3	1
Congenital Malformations & Chromosomal Anomalies	94	71	83	63	9	8	2	0
Conditions Originating In Perinatal Period	82	49	64	40	17	6	1	3
Sudden Infant Death Syndrome	33	15	19	13	11	2	3	0
Accidents	1,733	1,110	1,517	978	202	125	14	7
Motor Vehicle Accidents	668	328	568	256	94	69	6	3
Non-Motor Vehicle Accidents	1,064	782	948	722	108	56	8	4
Suicide	904	260	823	227	72	26	9	7
Homicide	98	40	70	34	26	6	2	0
Other Causes	5,139	6,182	4,823	5,832	289	317	27	33

As mentioned in the Technical Overview of this report, the Montana death certificate, since 2003, records race in greater detail. Not only are more racial categories used, but informants are also specifically asked to name all of the several classifications that may apply to a decedent. The result of this additional prompting has been a greater proportion of decedents classified by two or more races. In order to calculate mortality rates by race, NCHS provides OVS the most likely, or “bridged,” race for each decedent. These bridged race classifications are described in the introduction of this report and are used in the report’s figures and reference tables.

In the period 2010-2014, as age at death increased, chronic diseases became more frequent as the cause of death (**Table 3**). Cancer and heart disease were the leading causes of death for decedents aged 45 to 84 years, accounting for about half of the deaths in that age group. However, for the age category 85 and older, heart disease accounted for about a quarter of the deaths, with cancer causing only about half that proportion. Frequencies and crude rates for the ten leading causes of death (for decedents of all ages) are shown for Montana and each county in **Table S-4**.

Accidents caused a greater proportion of the deaths among the young than the old. They accounted for nearly a fifth of the deaths of those 14 years of age or younger, nearly half of the deaths of those between the ages of 15 and 24, and nearly two fifths of those between the ages of 25 and 34 years. By contrast, accidents accounted for just

over 3% of the deaths of those aged 65 or older.

Suicide was the cause of death for a fifth of the decedents between the ages of 15 and 44, but by contrast it was the cause of death for less than 1% of decedents 65 years of age or over.

**Table 3. Frequency of Death by Selected Leading Causes of Death and Age, Montana Residents, 2010-2014.**

Cause of Death	All Ages	Under 1 Year	1-4 Years	5-14 Years	15-24 Years	25-34 Years	35-44 Years	45-54 Years	55-64 Years	65-74 Years	75-84 Years	85+ Years
All Causes	45,482	345	77	112	616	824	1,174	2,903	5,662	7,732	11,104	14,933
HIV Infection	24	0	0	0	0	0	5	12	4	2	1	0
Cancer	9,868	1	3	11	29	54	129	645	1,864	2,690	2,726	1,716
Diabetes	1,205	0	0	0	8	5	36	90	169	267	306	324
Alzheimer's Disease	1,338	0	0	0	0	0	0	1	9	71	364	893
Heart Disease	9,541	4	4	2	9	36	124	492	1,178	1,555	2,394	3,743
Cerebrovascular Disease	2,308	3	0	3	3	11	16	67	135	301	663	1,106
Atherosclerosis	93	0	0	0	0	0	0	4	8	8	33	40
Influenza And Pneumonia	864	5	2	0	2	1	9	36	65	91	193	460
Chronic Lower Respiratory Diseases	3,149	2	0	0	2	3	8	75	301	774	1,113	871
Chronic Liver Disease and Cirrhosis	696	0	0	0	2	22	70	205	218	113	58	8
Nephritis, Nephrotic Syndrome & Nephrosis	585	0	0	0	1	4	11	23	38	92	170	246
Congenital Malformations & Chromosomal Anomalies	166	80	5	2	5	6	9	9	26	6	8	10
Conditions Originating in Perinatal Period	131	128	0	2	0	0	1	0	0	0	0	0
Sudden Infant Death Syndrome	48	48	0	0	0	0	0	0	0	0	0	0
Accidents	2,843	11	35	57	311	312	291	380	305	236	334	571
Motor Vehicle Accidents	996	0	13	33	222	184	120	147	115	88	46	28
Non-Motor Vehicle Accidents	1,846	11	22	24	89	128	171	233	190	148	287	543
Suicide	1,164	0	0	14	151	193	181	210	230	91	57	37
Homicide	138	2	5	1	26	23	23	30	13	11	3	1
Other Causes	11,321	61	23	20	67	154	261	624	1,099	1,424	2,681	4,907

### Years of Potential Life Lost

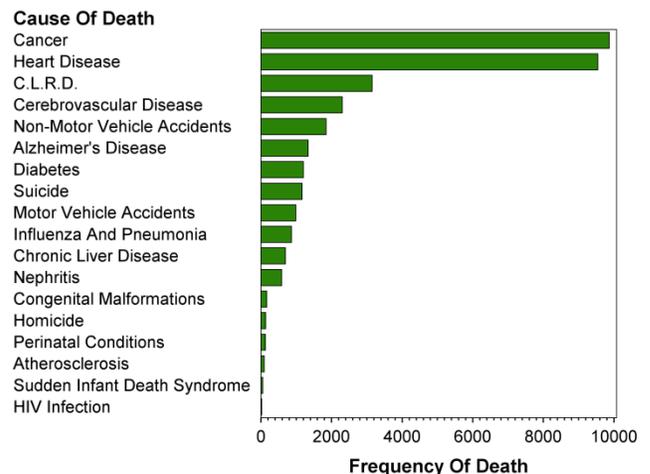
The traditional approach to cause of death analysis relies on frequency of death. This perspective emphasizes causes of death that affect the elderly, simply because of the larger number of such deaths. Years of potential life lost (YPLL) is an alternative measure that highlights premature, preventable, and unnecessary mortality. There are a number of different calculations for YPLL, each with a slightly different emphasis. Here we use the “premature years of potential life lost” calculation, which is easily understood and is used by the Centers for Disease Control and Prevention. For each decedent younger than 75 years, the age at death is subtracted from 75. The results are summed by cause of death. This measure is referred to here as YPLL-75.

The ten leading causes of death in 2014 were cancer (22.0% of all resident deaths), heart disease (20.8%), chronic lower respiratory diseases (7.1%), accidents (6.1%), cerebrovascular disease (5.1%), Alzheimer’s disease (2.7%), diabetes (2.7%), suicide (2.7%), influenza and pneumonia (1.9%), and chronic liver disease and cirrhosis (1.6%) (Table S-4). These results illustrate the traditional view of cause of death analysis, showing the frequency, or number, of deaths in several cause of death categories.

Similar results are observed when the number of Montanans of all ages who died of one of the listed

causes is combined over the five-year period, 2010-2014 (Figure 40). While the numbers who died of

**Figure 40**  
**FREQUENCY OF DEATH BY CAUSE OF DEATH**  
**MONTANA RESIDENTS, 2010-2014**

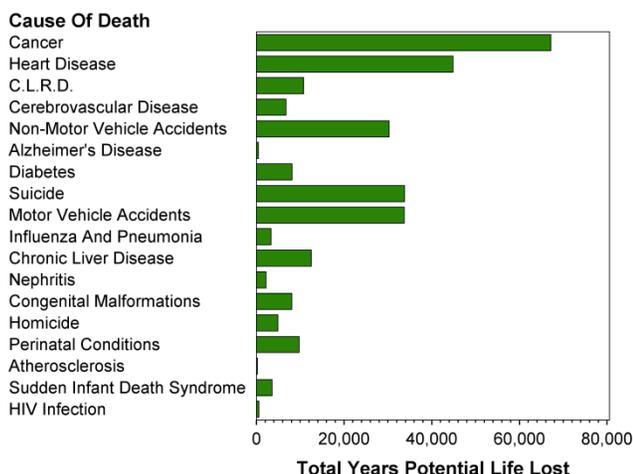


these causes are larger than those for the single year of 2014, the proportions and rankings for the causes are remarkably similar. Cancer and heart disease clearly outpace the other specified causes, with each accounting for a little more than a fifth of all decedents. Accidents, C.L.R.D., and cerebrovascular disease are usually in the five to seven percent range, Suicide, Alzheimer’s, diabetes, influenza and pneumonia, chronic liver disease, and liver disease and cirrhosis and nephritis are all in the

one to three percent range.

An alternative perspective, YPLL-75 analysis, highlights the traumatic causes of death at the expense of the non-traumatic causes (**Figure 41**). Only decedents younger than 75 at the time of death are reflected in this figure. Accidents (both motor-vehicle and non-motor-vehicle) and suicide comprise a little less than ten percent of the deaths in these years but accounted for about a third of the total losses as measured by YPLL-75. This disparity in proportions points to the relatively large cost (in terms of length of life lost) of the typical death from traumatic causes and emphasizes the many young people lost to such potentially preventable causes of death.

**Figure 41**  
**Total Years of Potential Life Lost Before Age 75**  
**By Cause of Death**  
**Montana Residents, 2010-2014**



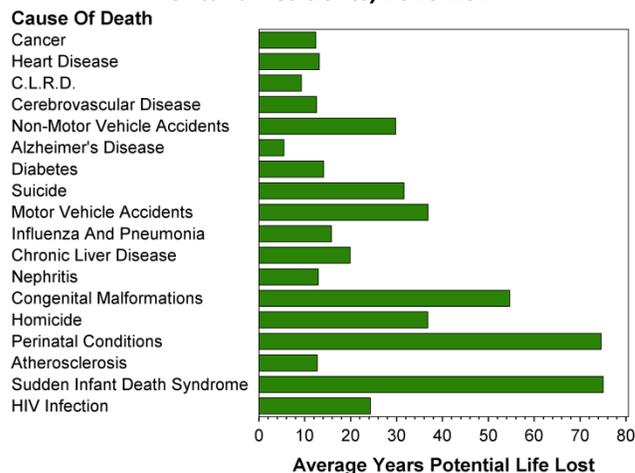
Regardless of which of these two perspectives is used, cancer and heart disease cause a large social loss because of the numbers of deaths they cause, both among decedents of advanced age and those less than 75 years of age. More than half of all cancer victims tend to be younger than 75. More than a third of heart disease victims are younger than this age.

The YPLL-75 perspective re-orders the ranking of the leading causes of death, thus highlighting areas the CDC has called “premature,” “preventable,” and “unnecessary” and has said “provide the greatest potential for health improvement” ([Morbidity and Mortality Weekly Report, June 20, 1997](#)). Frequency of accidental (unintentional injury) deaths (both motor and

non-motor vehicle) was ranked fourth in cause of death by frequency but this cause of death is ranked second, just below cancer in terms of total YPLL-75. This indicates that accidental deaths are prevalent in those less than 75 years of age and cause great losses to society due to premature death. Suicide (intentional self-harm) ranked eighth by frequency, but became the fourth leading cause when measured by total YPLL-75.

Average YPLL-75 is calculated by dividing the total YPLL-75 for each cause of death by the number of decedents less than 75 years of age (**Figure 42**). While total YPLL-75 emphasizes the loss to society in terms of years of lost life, average YPLL-75 emphasizes the loss to the individual. Also, standardizing YPLL in this way makes the measure useful for measuring progress over time in public health and safety and disparities among sub-populations.

**Figure 42**  
**Average Years of Potential Life Lost Before Age 75**  
**By Cause of Death**  
**Montana Residents, 2010-2014**



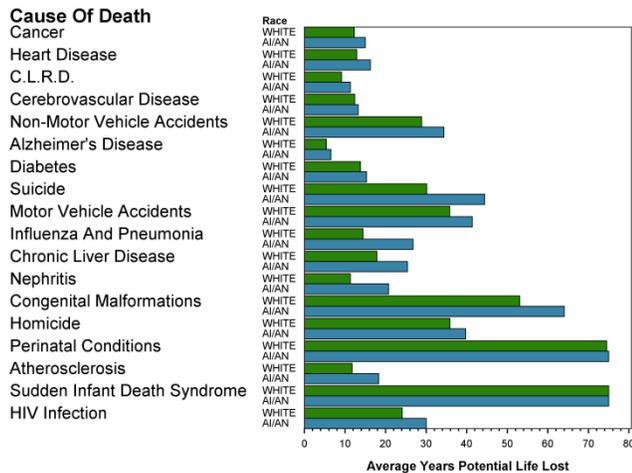
The category sudden infant death syndrome (SIDS), a cause of death diagnosis reserved for infants alone, showed the greatest average loss to an individual (the full 75 years lost.) This was followed closely by conditions originating in the perinatal period, and congenital anomalies, causes which claim mostly infants, toddlers, and, occasionally, older children. The traumatic causes of death—motor vehicle accidents, homicide, suicide, and other accidents—are next in ranking, followed by HIV infection, and finally various chronic diseases.

Several causes of death demonstrated a greater impact on American Indians (abbreviated as “AI/AN” in the figures below) than white decedents when considering

average years of potential life lost (Figure 43 and Table D-9). These data show that typically, measuring by median age at death, American Indians have lifespans 19 years shorter than whites—roughly a quarter of the typical lifespan for whites. Some of the more notable causes of death affecting American Indians in this way include accidents (difference of 28.5 years), atherosclerosis (23.5 years), suicide (22 years), influenza and pneumonia (14 years), congenital malformations and chromosomal anomalies (15 years), heart disease (14 years), nephritis (14 years), cerebrovascular disease (13.5 years), and diabetes (11 years). American Indians living in Montana typically die at a younger age than whites from every cause of death listed in Table D-9 except for SIDS, a category for which a decedent must be an infant to qualify, and conditions originating in the perinatal period (i.e. near the time of birth).

Figure 43

**Average Years of Potential Life Lost Before Age 75  
By Cause of Death and Race  
Montana Residents, 2010-2014**



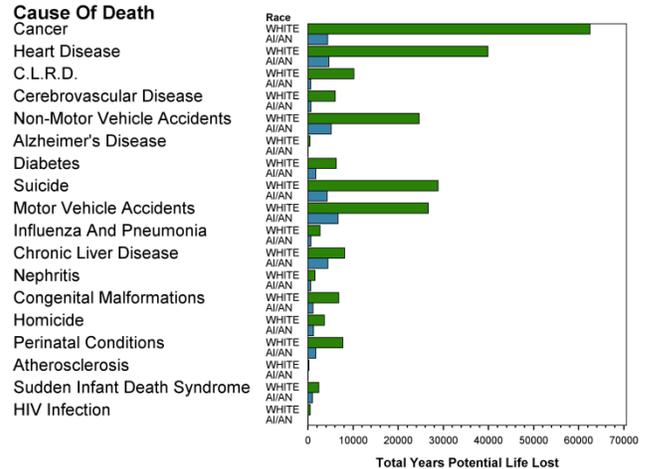
Note: green bars indicate White; blue bars indicate American Indian/Alaska Native

However, when considering total years of potential life lost, the white population is impacted greatest simply because about 90% of Montana's population is white alone (i.e. with no other race mentioned) (Figure 44 and Table D-9). From this perspective, cancer, (21.2% of total YPLL), accidents (17.4%), heart disease (13.5%), suicide (9.8%), C.L.R.D. (3.5%), and chronic liver disease and cirrhosis (2.8%) are the causes of death impacting the white population most, while the American Indian population is impacted most by accidents (23.7%), heart disease (9.3%), cancer and chronic liver disease and

cirrhosis (8.8%), suicide (8.6%), and diabetes and conditions originating in the perinatal period (3.5%). While five of these seven causes are in both lists, they are in a strikingly different order and proportion of total YPLL for the two races.

Figure 44

**Total Years of Potential Life Lost Before Age 75  
By Cause of Death and Race  
Montana Residents, 2010-2014**



Note: green bars indicate White; blue bars indicate American Indian/Alaska Native

Although YPLL has significant advantages for analyzing mortality data from a public health perspective, it also has a decided disadvantage in that some data—the records of the older decedents—are excluded from the analysis. More than half of the Montana decedents in this time period were excluded from this YPLL-75 analysis. While YPLL highlights those causes of death having the greatest impact on the younger members of the population—and according to the Centers for Disease control and Prevention, highlights “areas that provide the greatest potential for health improvement,” it does so at the cost of diverting attention from the causes of death affecting older members of that society. Table D-9 in the reference table section of this report summarizes both the frequency of death and years of potential life lost before the age of 75 by cause of death and race. Summary statistics for decedents of all ages are shown on the right-hand side of the table. The left-hand side shows statistics for only those decedents younger than 75 years of age.

## INDUCED ABORTION

There were 1,690 induced abortions performed in Montana in 2014. Of those, 1,464 were performed on Montana residents. Induced abortions have been reported to the Department since July 1, 1974, when the [Montana Abortion Control Act](#) was implemented. States no longer report induced abortions to NCHS and some states have never collected this information. Few states exchange resident abortion statistics. For these reasons, national abortion rates are estimates based on survey data and incomplete reporting. Furthermore, Montana's complete resident abortion statistics are unknown. Statistics provided in this report are for those abortions occurring in Montana, and any references to Montana residents must be viewed as incomplete.

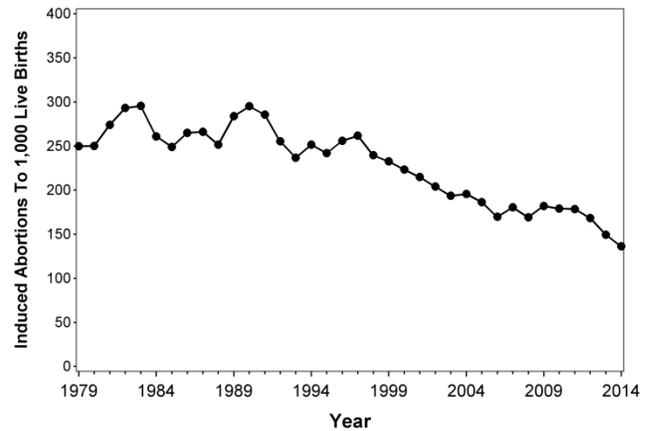
Since the reporting of induced abortions began, the ratio of such abortions performed in Montana to the number of live-born babies delivered in the state increased rapidly for the first several years and has fallen fairly steadily for the last quarter of a century. The abortion ratio was 129.9 in 1975 and rose to 295.6 in 1983 (**Figure 45**). The trend fell and rose again to a near-peak (295.2) in 1990. From 1990 to the present, it has generally trended downward. The ratio was 136.3 in 2014, the lowest recorded since 1976.

**Table S-1** shows the frequency of induced abortions occurring (i.e. performed) in Montana and the ratio of these abortions to the number of live births occurring in the state.

**Table S-5** shows the frequency of induced abortions — as well as that of live births and fetal deaths, the other pregnancy outcomes reported to the Department—by age and county of residence. The frequency of induced abortion in this table is for Montana residents receiving the procedure in Montana.

Figure 45

Ratio of Induced Abortions to Live Births  
Montana Occurrences, 1979-2014



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**Table S-1**  
**Frequency and Rate or Ratio of Death, Live Birth, Fetal, Infant, and Maternal Death,**  
**Marriage, Marital Termination, and Induced Abortion by Year**  
**Montana, 1910-2014**

Year	Estimated Midyear Population	Deaths <sup>1</sup>		Live Births <sup>1</sup>		Fetal Deaths <sup>1</sup>		Infant Deaths <sup>1</sup>		Maternal Deaths <sup>1</sup>		Marriages <sup>2</sup>		Marital Terminations <sup>2,3</sup>		Induced Abortions <sup>2</sup>	
		Number	Rate*	Number	Rate*	Number	Ratio+	Number	Rate*	Number	Rate <sup>^</sup>	Number	Rate*	Number	Rate*	Number	Ratio+
2014	1,023,579	9,345	9.1	12,431	12.1	52	4.2	68	5.5	3	‡	8,040	7.9	3,529	3.4	1,690	136.3
2013	1,014,864	9,453	9.3	12,351	12.2	54	4.4	66	5.3	4	‡	7,511	7.4	3,670	3.6	1,842	149.4
2012	1,005,163	8,876	8.8	12,052	12.0	57	4.7	71	5.9	0	‡	7,850	7.8	3,937	3.9	2,031	168.3
2011	997,661	9,005	9.0	12,039	12.1	62	5.1	69	5.7	5	‡	7,754	7.8	4,020	4.0	2,147	178.7
2010	990,575	8,803	8.9	12,058	12.2	52	4.3	71	5.9	1	‡	7,335	7.4	3,909	3.9	2,160	179.0
2009	983,982	8,704	8.8	12,280	12.5	58	4.7	72	5.9	5	‡	7,231	7.3	3,973	4.0	2,223	182.2
2008	976,415	8,897	9.1	12,595	12.9	39	3.1	87	6.9	1	‡	7,467	7.6	3,382	3.5	2,125	169.3
2007	964,706	8,570	8.9	12,437	12.9	38	3.1	76	6.1	2	‡	7,263	7.5	4,720	4.9	2,238	180.5
2006	952,692	8,434	8.9	12,499	13.1	49	3.9	70	5.6	0	‡	7,055	7.4	4,176	4.4	2,119	169.7
2005	940,102	8,496	9.0	11,573	12.3	54	4.7	81	7.0	1	‡	6,964	7.4	3,983	4.2	2,155	186.5
2004	930,009	8,079	8.7	11,514	12.4	40	3.5	53	4.6	2	‡	6,946	7.5	3,516	3.8	2,256	195.7
2003	919,630	8,439	9.2	11,384	12.4	55	4.8	76	6.7	2	‡	6,640	7.2	3,255	3.5	2,213	193.8
2002	911,667	8,473	9.3	11,045	12.1	51	4.6	81	7.3	0	‡	6,514	7.1	3,634	4.0	2,249	204.1
2001	906,961	8,252	9.1	10,947	12.1	43	3.9	73	6.7	2	‡	6,612	7.3	3,735	4.1	2,350	214.9
2000	903,773	8,071	8.9	10,946	12.1	55	5.0	63	5.8	1	‡	6,870	7.6	3,694	4.1	2,441	223.4
1999	897,511	8,082	9.0	10,778	12.0	62	5.8	72	6.7	0	‡	6,785	7.6	3,318	3.7	2,499	232.6
1998	892,431	7,985	8.9	10,789	12.1	76	7.0	83	7.7	1	‡	6,436	7.2	3,698	4.1	2,573	239.5
1997	889,867	7,745	8.7	10,838	12.2	49	4.5	74	6.8	0	‡	6,708	7.5	4,058	4.6	2,809	261.8
1996	886,256	7,696	8.7	10,840	12.2	58	5.4	75	6.9	1	‡	6,609	7.5	4,238	4.8	2,763	256.1
1995	876,553	7,626	8.7	11,136	12.7	67	6.0	82	7.4	0	‡	6,818	7.8	4,214	4.8	2,674	242.0
1994	861,306	7,342	8.5	11,062	12.8	52	4.7	82	7.4	0	‡	7,088	8.2	4,196	4.9	2,761	251.7
1993	844,761	7,468	8.8	11,362	13.4	74	6.5	84	7.4	0	‡	7,041	8.3	4,311	5.1	2,645	236.6
1992	825,770	7,073	8.6	11,468	13.9	84	7.3	85	7.4	0	‡	7,189	8.7	4,223	5.1	2,869	255.3
1991	809,680	7,004	8.7	11,498	14.2	90	7.8	82	7.1	1	‡	6,984	8.6	4,443	5.5	3,226	285.6
1990	800,204	6,837	8.5	11,602	14.5	78	6.7	107	9.2	0	‡	6,924	8.7	4,049	5.1	3,365	295.2
1989	805,600	6,741	8.4	11,667	14.5	86	7.4	133	11.4	0	‡	6,765	8.4	4,104	5.1	3,245	283.9
1988	805,000	6,759	8.4	11,682	14.5	92	7.9	100	8.6	1	‡	6,784	8.4	4,063	5.0	2,866	251.6
1987	809,000	6,597	8.2	12,239	15.1	96	7.8	121	9.9	0	‡	6,540	8.1	4,116	5.1	3,175	266.3
1986	819,000	6,738	8.2	12,728	15.5	95	7.5	122	9.6	2	‡	6,739	8.2	4,307	5.3	3,295	265.1
1985	826,000	6,725	8.1	13,497	16.3	96	7.1	139	10.3	0	‡	7,178	8.7	4,258	5.2	3,291	249.0
1984	824,000	6,698	8.1	14,141	17.2	110	7.8	125	8.8	1	‡	7,659	9.3	4,355	5.3	3,618	260.9
1983	817,000	6,699	8.2	14,054	17.2	91	6.5	126	9.0	4	‡	8,092	9.9	4,644	5.7	4,061	295.6
1982	801,000	6,625	8.3	14,538	18.1	93	6.4	147	10.1	1	‡	8,185	10.2	4,612	5.8	4,175	293.3
1981	793,000	6,709	8.5	14,309	18.0	85	5.9	153	10.7	0	‡	8,209	10.4	5,004	6.3	3,838	274.2
1980	786,690	6,664	8.5	14,208	18.1	104	7.3	176	12.4	2	‡	8,336	10.6	4,940	6.3	3,471	250.2
1979	786,000	6,471	8.2	14,057	17.9	116	8.3	151	10.7	4	‡	8,195	10.4	5,106	6.5	3,447	249.8
1978	785,000	6,484	8.3	13,545	17.3	110	8.1	155	11.4	3	‡	8,136	10.4	4,877	6.2	3,092	233.5
1977	761,000	6,397	8.4	13,304	17.5	119	8.9	183	13.8	1	‡	7,547	9.9	4,813	6.3	2,539	194.5
1976	753,000	6,733	8.9	12,605	16.7	104	8.3	209	16.6	0	‡	7,390	9.8	4,850	6.4	1,803	145.9
1975	748,000	6,539	8.7	12,070	16.1	112	9.3	187	15.5	3	‡	7,331	9.8	4,286	5.7	1,535	129.9
1970	694,409	6,597	9.5	12,622	18.2	140	11.1	272	21.5	3	‡	6,919	10.0	3,047	4.4	N/A	N/A
1965	706,000	6,578	9.3	13,641	19.3	177	13.0	338	24.8	2	‡	4,688	6.6	2,002	2.8	N/A	N/A
1960	674,767	6,525	9.7	17,448	25.9	190	10.9	435	24.9	5	‡	5,883	8.7	2,003	3.0	N/A	N/A
1955	636,000	6,115	9.6	17,454	27.4	221	12.7	433	24.8	5	‡	6,514	10.2	1,909	3.0	N/A	N/A
1950	591,024	5,817	9.8	15,592	26.4	233	14.9	441	28.3	20	128.3	7,235	12.2	1,951	3.3	N/A	N/A
1945	504,600	5,414	10.7	10,601	21.0	184	17.4	363	34.2	17	‡	8,147	16.1	2,380	4.7	N/A	N/A
1940	559,456	5,722	10.2	11,468	20.5	216	18.8	527	46.0	39	340.1	N/A	N/A	N/A	N/A	N/A	N/A
1935	549,077	6,291	11.5	10,029	18.3	232	23.1	602	60.0	52	518.5	N/A	N/A	N/A	N/A	N/A	N/A
1930	537,606	5,435	10.1	10,004	18.6	286	28.6	569	56.9	67	669.7	N/A	N/A	N/A	N/A	N/A	N/A
1925	542,834	5,188	9.6	10,302	19.0	343	33.3	726	70.5	83	805.7	N/A	N/A	N/A	N/A	N/A	N/A
1920	548,339	5,289	9.6	11,862	21.6	N/A	N/A	862	72.7	104	876.7	N/A	N/A	N/A	N/A	N/A	N/A
1915	468,067	5,072	10.8	11,132	23.8	N/A	N/A	816	73.3	91	817.5	N/A	N/A	N/A	N/A	N/A	N/A
1910	376,053	3,999	10.6	6,124	16.3	N/A	N/A	714	116.6	62	1,012.4	N/A	N/A	N/A	N/A	N/A	N/A

<sup>1</sup> Data for 1910-1945 are by place of occurrence. Beginning in 1946, death, live birth, fetal, infant and maternal death tabulation are by place of residence.

<sup>2</sup> Marriages, marital terminations, and induced abortion tabulations by place of occurrence.

<sup>3</sup> Marital termination data were collected by the Montana Office of Vital Statistics (OVS) through October of 1998 and by the Montana Judicial Branch thereafter. Data collected by the Judicial Branch are not strictly comparable to those collected by OVS and should be used with caution.

\* Per 1,000 estimated midyear population.

+ Per 1,000 live births

<sup>^</sup> Per 100,000 live births

‡ Figure does not meet standards of reliability or precision. See "Limitations Of Small Numbers" in the "Technical Overview" section.

N/A - Not available

**Table S-2**  
**Frequency of Live Births, Deaths, Fetal, Infant and Maternal Deaths**  
**by County of Occurrence and County of Residences**  
**Montana, 2014**

County	Live Births		Deaths		Fetal Deaths		Infant Deaths		Maternal Deaths	
	Occ.	Res.	Occ.	Res.	Occ.	Res.	Occ.	Res.	Occ.	Res.
<b>Montana Total</b>	<b>12,397</b>	<b>12,431</b>	<b>9,414</b>	<b>9,345</b>	<b>52</b>	<b>52</b>	<b>63</b>	<b>68</b>	<b>†</b>	<b>†</b>
Beaverhead	67	88	101	98	0	0	0	0	0	0
Big Horn	46	276	79	131	†	†	†	†	0	0
Blaine	†	109	43	71	0	†	†	†	0	0
Broadwater	0	41	31	41	0	0	0	†	0	0
Carbon	†	68	70	88	0	0	0	†	0	0
Carter	0	21	15	16	0	0	0	0	0	0
Cascade	1,616	1,149	924	760	6	†	11	8	0	0
Chouteau	†	55	64	84	0	0	0	†	0	0
Custer	285	156	129	126	0	0	0	0	0	0
Daniels	0	28	28	33	0	0	0	0	0	0
Dawson	108	136	83	78	†	†	0	0	0	0
Deer Lodge	80	68	101	117	0	0	0	0	0	0
Fallon	†	61	26	25	0	0	0	0	0	0
Fergus	88	110	138	149	†	†	0	†	0	0
Flathead	1,196	1,109	956	910	†	†	5	7	0	0
Gallatin	1,303	1,168	510	503	†	5	†	†	0	0
Garfield	0	14	10	12	0	0	0	0	0	0
Glacier	189	260	96	133	†	†	†	†	0	0
Golden	0	8	†	6	0	0	0	†	0	0
Granite	†	27	28	31	0	0	†	†	0	0
Hill	415	314	116	135	†	†	†	†	0	0
Jefferson	†	75	91	89	0	0	0	0	0	0
Judith	0	16	12	20	0	0	0	0	0	0
Lake	313	376	247	283	†	†	†	†	0	0
Lewis & Clark	778	762	560	580	†	†	†	6	0	0
Liberty	0	20	17	21	0	0	0	0	0	0
Lincoln	124	175	211	244	†	†	0	0	0	0
McCone	†	23	16	21	0	0	0	0	0	0
Madison	0	53	55	61	0	0	0	0	0	0
Meagher	0	15	22	28	0	0	0	0	0	0
Mineral	†	41	35	53	0	†	0	0	0	0
Missoula	1,616	1,211	1,057	838	6	5	9	†	0	0
Musselshell	†	46	31	46	0	†	0	†	0	0
Park	103	157	148	166	†	†	†	†	0	0
Petroleum	0	†	†	†	0	0	0	0	0	0
Phillips	0	69	43	56	0	0	0	0	0	0
Pondera	0	78	50	74	0	0	0	†	0	0
Powder River	0	12	8	14	0	0	0	0	0	0
Powell	†	51	66	79	0	0	0	0	0	0
Prairie	†	17	11	16	0	0	0	0	0	0
Ravalli	187	369	325	433	†	†	0	†	0	0
Richland	168	178	80	89	†	0	0	0	0	0
Roosevelt	172	251	125	175	0	†	†	†	0	†
Rosebud	10	164	47	74	†	†	0	†	0	0
Sanders	49	124	107	146	0	†	†	†	0	0
Sheridan	0	45	57	55	0	0	0	0	0	0
Silver Bow	457	424	396	391	†	†	0	0	0	0
Stillwater	5	88	74	98	0	†	0	0	0	0
Sweet Grass	0	27	36	43	0	0	0	0	0	0
Teton	†	86	50	67	0	0	0	0	0	0
Toole	21	45	33	43	0	0	0	0	0	0
Treasure	0	8	5	14	0	0	0	0	0	0
Valley	132	83	64	76	0	0	0	0	0	0
Wheatland	†	25	17	25	0	0	0	0	0	0
Wibaux	0	16	14	16	0	0	0	0	0	0
Yellowstone	2,845	2,026	1,753	1,359	11	6	22	12	†	†
Not Stated	0	6	0	†	0	0	0	0	0	0

† Frequency is fewer than five.

**Table S-3  
Frequency of Live Births, Deaths, Fetal, Infant and Child Deaths  
by Race\*, Montana Residents, 1989-2014**

Year	Live Births				Deaths				Fetal Deaths				Infant Deaths				Child Deaths**			
	Total	White	AI/AN^	Other	Total	White	AI/AN^	Other	Total	White	AI/AN^	Other	Total	White	AI/AN^	Other	Total	White	AI/AN^	Other
2014	12,431	10,616	1,550	265	9,345	8,730	562	53	52	38	14	0	68	49	14	5	51	37	10	†
2013	12,351	10,596	1,531	224	9,453	8,868	529	56	54	44	9	†	66	47	18	†	52	42	10	0
2012	12,052	10,336	1,475	241	8,876	8,290	538	48	57	45	10	†	71	54	14	†	51	42	8	†
2011	12,039	10,330	1,479	230	9,005	8,476	496	33	62	53	8	†	69	54	12	†	63	51	10	†
2010	12,058	10,425	1,424	209	8,803	8,291	469	43	52	47	†	†	71	60	10	†	78	58	18	†
2009	12,280	10,553	1,523	204	8,704	8,173	489	42	58	53	5	0	72	53	17	†	65	49	16	0
2008	12,595	10,791	1,579	225	8,897	8,378	473	46	39	30	9	0	87	72	15	0	59	49	8	†
2007	12,437	10,545	1,591	301	8,570	8,083	454	33	38	31	7	0	76	61	13	†	59	45	13	†
2006	12,499	10,582	1,601	316	8,434	7,917	481	36	49	40	8	†	70	50	19	†	67	56	11	0
2005	11,573	9,839	1,481	253	8,496	8,019	442	35	54	43	10	†	81	66	15	0	70	56	13	†
2004	11,514	9,762	1,508	244	8,079	7,609	437	33	40	30	10	0	53	41	10	†	73	56	15	†
2003	11,384	9,771	1,393	220	8,439	7,973	425	41	55	44	6	5	76	63	11	†	75	62	9	†
2002	11,045	9,467	1,393	185	8,473	8,003	433	37	51	41	9	†	81	66	12	†	70	57	13	0
2001	10,947	9,392	1,363	192	8,252	7,839	385	28	43	30	12	†	73	63	10	0	63	51	11	†
2000	10,946	9,438	1,326	182	8,071	7,668	366	37	55	47	6	†	63	49	13	†	101	81	20	0
1999	10,778	9,353	1,274	151	8,082	7,618	429	35	62	50	9	†	71	54	16	†	78	64	13	†
1998	10,789	9,449	1,172	168	7,985	7,615	345	25	76	66	9	†	82	68	11	†	68	56	11	†
1997	10,838	9,389	1,290	159	7,745	7,386	336	23	49	40	9	0	74	55	18	†	88	77	11	0
1996	10,840	9,471	1,208	161	7,696	7,349	317	30	58	50	7	†	75	63	10	†	81	71	8	†
1995	11,136	9,843	1,140	153	7,626	7,237	360	29	67	61	†	†	79	70	6	†	106	88	17	†
1994	11,062	9,719	1,201	142	7,342	6,979	331	32	52	44	5	†	82	69	11	†	79	67	11	†
1993	11,362	9,970	1,247	145	7,468	7,118	322	28	74	67	7	0	84	68	13	†	89	74	15	0
1992	11,468	9,967	1,355	146	7,073	6,739	308	26	84	71	11	†	85	65	15	5	105	85	18	†
1991	11,498	10,010	1,363	125	7,004	6,637	339	28	90	77	9	†	82	61	20	†	88	72	16	0
1990	11,602	10,009	1,446	147	6,837	6,483	322	32	78	64	12	†	106	84	21	†	81	70	9	†
1989	11,667	10,157	1,391	119	6,741	6,414	304	23	86	64	21	†	133	97	36	-	94	73	19	†

\* Any racial category may include "Hispanic"; Live birth and fetal deaths are shown by race of the mother.

^ American Indian or Alaska Native

\*\* Ages 1-17 years, inclusive.

† Frequency is fewer than five.

**Table S-4  
Selected Vital Statistics  
Frequencies and Rates or Ratios by County  
Montana, 2014**

Item	Montana		Beaverhead		Big Horn		Blaine		Broadwater		Carbon		Carter		
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	
Population	1,023,579	0	9,345	0	13,282	0	6,619	0	5,667	0	10,399	0	1,169	0	
Natural Increase*	3,086	0.0	10	‡	145	0.0	38	0.0	0	‡	20	0.0	5	‡	
Births - Residence	Live Births, Total	12,431	12.1	88	9.4	276	20.8	109	16.5	41	7.2	68	6.5	21	18.0
	Live Births, Male	6,322	6.2	40	4.3	147	11.1	53	8.0	18	‡	39	3.8	12	‡
	Live Births, Female	6,109	6.0	48	5.1	129	9.7	56	8.5	23	4.1	29	2.8	9	‡
Deaths - Residence	Deaths (Excluding Fetal), Total	9,345	9.1	98	10.5	131	9.9	71	10.7	41	7.2	88	8.5	16	‡
	Deaths (Excluding Fetal), Male	4,823	4.7	54	5.8	73	5.5	39	5.9	20	3.5	55	5.3	6	‡
	Deaths (Excluding Fetal), Female	4,522	4.4	44	4.7	58	4.4	32	4.8	21	3.7	33	3.2	10	‡
Infant Mortality & Fetal Death - Residence***	Infant Deaths (Under 1 Year)	68	5.5	0	‡	†	‡	†	‡	†	‡	†	‡	0	‡
	Neonatal (Under 28 Days)	49	3.9	0	‡	†	‡	†	‡	†	‡	†	‡	0	‡
	Postneonatal (28 Days - 1 Year)	19	‡	0	‡	†	‡	†	‡	0	‡	0	‡	0	‡
	Fetal	52	4.2	0	‡	†	‡	†	‡	0	‡	0	‡	0	‡
	Perinatal	101	8.1	0	‡	6	‡	†	‡	†	‡	†	‡	0	‡
Leading Causes of Death - Residence****	Chronic liver disease and cirrhosis	152	14.8	†	‡	5	‡	†	‡	0	‡	†	‡	0	‡
	Alzheimer's disease	251	24.5	†	‡	†	‡	†	‡	0	‡	6	‡	0	‡
	Chronic lower respiratory diseases	667	65.2	8	‡	5	‡	†	‡	†	‡	6	‡	†	‡
	Malignant neoplasms	2,054	200.7	20	214.0	18	‡	11	‡	9	‡	20	192.3	†	‡
	Cerebrovascular diseases	476	46.5	†	‡	7	‡	†	‡	†	‡	†	‡	†	‡
	Accidents (unintentional injuries)	572	55.9	5	‡	21	158.1	5	‡	7	‡	5	‡	0	‡
	Intentional self-harm (suicide)	249	24.3	†	‡	†	‡	†	‡	0	‡	5	‡	†	‡
	Influenza and pneumonia	179	17.5	†	‡	†	‡	0	‡	†	‡	0	‡	†	‡
	Diseases of heart	1,942	189.7	27	288.9	23	173.2	27	407.9	9	‡	23	221.2	†	‡
Diabetes mellitus	250	24.4	†	‡	8	‡	†	‡	†	‡	†	‡	†	‡	
Births - Occurrence	Live Births, Total	12,397	12.1	67	7.2	46	3.5	†	‡	0	‡	†	‡	0	‡
Deaths - Occurrence	Deaths (Excluding Fetal), Total	9,414	9.2	101	10.8	79	5.9	43	6.5	31	5.5	70	6.7	15	‡
	Accidental	607	0.6	5	‡	10	‡	5	‡	†	‡	†	‡	†	‡
	Motor Vehicle	214	0.2	0	‡	6	‡	†	‡	†	‡	0	‡	†	‡
	Other Accidental	393	0.4	5	‡	†	‡	†	‡	†	‡	†	‡	†	‡
Infant Death - Occurrence	Infant Deaths (Under 1 Year)	63	5.1	0	‡	†	‡	†	‡	0	‡	0	‡	0	‡
Marriages - Occurrence	Marriages Solemnized	8,040	7.9	58	6.2	75	5.6	38	5.7	28	4.9	138	13.3	6	‡
	Licenses Issued	8,040	7.9	48	5.1	73	5.5	34	5.1	26	4.6	83	8.0	5	‡
Marital Terminations - Occurrence	Marital Terminations	3,529	3.4	26	2.8	11	‡	†	‡	17	‡	25	2.4	†	‡

\* Natural increase, live births, deaths, marriages, and marital terminations are per 1,000 population.

\*\* Out of wedlock births, infant deaths, and fetal deaths are per 1,000 live births.

\*\*\* Cause-specific resident death rates are per 100,000 estimated population. See "Cause of Death" in the "Technical Overview" section for the International Classification of Disease (ICD-10) codes included in each category.

† Frequency is fewer than five.

‡ Figure does not meet standards of reliability or precision. See "Limitations Of Small Numbers" in the "Technical Overview" section.

**Table S-4  
Selected Vital Statistics  
Frequencies and Rates or Ratios by County  
Montana, 2014**

Item	Cascade		Chouteau		Custer		Daniels		Dawson		Deer Lodge		Fallon			
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate		
Population	82,344	0	5,894	0	12,092	0	1,793	0	9,518	0	9,150	0	3,108	0		
Natural Increase*	389	0.0	29	0.0	30	0.0	5	‡	58	0.0	49	0.0	36	0.0		
Births - Residence	Live Births, Total	1,149	14.0	55	9.3	156	12.9	28	15.6	136	14.3	68	7.4	61	19.6	
	Live Births, Male	562	6.8	24	4.1	94	7.8	12	‡	64	6.7	33	3.6	35	11.3	
	Live Births, Female	587	7.1	31	5.3	62	5.1	16	‡	72	7.6	35	3.8	26	8.4	
Deaths - Residence	Deaths (Excluding Fetal), Total	760	9.2	84	14.3	126	10.4	33	18.4	78	8.2	117	12.8	25	8.0	
	Deaths (Excluding Fetal), Male	390	4.7	54	9.2	70	5.8	11	‡	41	4.3	63	6.9	9	‡	
	Deaths (Excluding Fetal), Female	370	4.5	30	5.1	56	4.6	22	12.3	37	3.9	54	5.9	16	‡	
Infant Mortality & Fetal Death - Residence***	Infant Deaths (Under 1 Year)	8	‡	‡	‡	0	‡	0	‡	0	‡	0	‡	0	‡	
	Neonatal (Under 28 Days)	6	‡	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡	
	Postneonatal (28 Days - 1 Year)	‡	‡	‡	‡	0	‡	0	‡	0	‡	0	‡	0	‡	
	Fetal	‡	‡	0	‡	0	‡	0	‡	‡	‡	0	‡	0	‡	
	Perinatal	10	‡	0	‡	0	‡	0	‡	‡	‡	0	‡	0	‡	
Leading Causes of Death - Residence****	Chronic liver disease and cirrhosis	11	‡	0	‡	‡	‡	0	‡	‡	‡	0	‡	0	‡	
	Alzheimer's disease	38	46.1	‡	‡	‡	‡	‡	‡	6	‡	0	‡	0	‡	
	Chronic lower respiratory diseases	59	71.7	6	‡	11	‡	‡	‡	7	‡	8	‡	‡	‡	
	Malignant neoplasms	174	211.3	16	‡	23	190.2	5	‡	17	‡	27	295.1	5	‡	
	Cerebrovascular diseases	39	47.4	‡	‡	6	‡	‡	‡	‡	‡	‡	‡	‡	‡	
	Accidents (unintentional injuries)	54	65.6	5	‡	10	‡	‡	‡	‡	‡	7	‡	‡	‡	
	Intentional self-harm (suicide)	6	‡	5	‡	5	‡	‡	‡	0	‡	‡	‡	0	‡	
	Influenza and pneumonia	9	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	0	‡
	Diseases of heart	145	176.1	23	390.2	30	248.1	‡	‡	8	‡	26	284.2	‡	‡	
Diabetes mellitus	20	24.3	‡	‡	5	‡	‡	‡	‡	‡	‡	‡	‡	‡		
Births - Occurrence	Live Births, Total	1,616	19.6	‡	‡	285	23.6	0	‡	108	11.3	80	8.7	‡	‡	
Deaths - Occurrence	Deaths (Excluding Fetal), Total	924	11.2	64	10.9	129	10.7	28	15.6	83	8.7	101	11.0	26	8.4	
	Accidental	68	0.8	‡	‡	6	‡	‡	‡	‡	‡	6	‡	‡	‡	
	Motor Vehicle	20	0.2	‡	‡	0	‡	‡	‡	0	‡	‡	‡	0	‡	
	Other Accidental	48	0.6	0	‡	6	‡	0	‡	‡	‡	5	‡	‡	‡	
Infant Death - Occurrence	Infant Deaths (Under 1 Year)	11	‡	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡	
Marriages - Occurrence	Marriages Solemnized	597	7.3	35	5.9	68	5.6	13	‡	44	4.6	65	7.1	41	13.2	
	Licenses Issued	643	7.8	19	‡	72	6.0	13	‡	54	5.7	62	6.8	47	15.1	
Marital Terminations - Occurrence	Marital Terminations	391	4.7	7	‡	42	3.5	‡	‡	14	‡	7	‡	5	‡	

\* Natural increase, live births, deaths, marriages, and marital terminations are per 1,000 population.

\*\* Out of wedlock births, infant deaths, and fetal deaths are per 1,000 live births.

\*\*\* Cause-specific resident death rates are per 100,000 estimated population. See "Cause of Death" in the "Technical Overview" section for the International Classification of Disease (ICD-10) codes included in each category.

† Frequency is fewer than five.

‡ Figure does not meet standards of reliability or precision. See "Limitations Of Small Numbers" in the "Technical Overview" section.

**Table S-4  
Selected Vital Statistics  
Frequencies and Rates or Ratios by County  
Montana, 2014**

Item	Fergus		Flathead		Gallatin		Garfield		Glacier		Golden		Granite		
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	
Population	11,442	0	94,924	0	97,308	0	1,309	0	13,696	0	852	0	3,209	0	
Natural Increase*	39	0.0	199	0.0	665	0.0	†	‡	127	0.0	†	‡	†	‡	
Births - Residence	Live Births, Total	110	9.6	1,109	11.7	1,168	12.0	14	‡	260	19.0	8	‡	27	8.4
	Live Births, Male	62	5.4	578	6.1	592	6.1	9	‡	132	9.6	6	‡	12	‡
	Live Births, Female	48	4.2	531	5.6	576	5.9	5	‡	128	9.3	†	‡	15	‡
Deaths - Residence	Deaths (Excluding Fetal), Total	149	13.0	910	9.6	503	5.2	12	‡	133	9.7	6	‡	31	9.7
	Deaths (Excluding Fetal), Male	76	6.6	446	4.7	248	2.5	6	‡	84	6.1	6	‡	22	6.9
	Deaths (Excluding Fetal), Female	73	6.4	464	4.9	255	2.6	6	‡	49	3.6	0	0	9	‡
Infant Mortality & Fetal Death - Residence***	Infant Deaths (Under 1 Year)	†	‡	7	‡	†	‡	0	‡	†	‡	†	‡	†	‡
	Neonatal (Under 28 Days)	†	‡	5	‡	†	‡	0	‡	†	‡	†	‡	0	‡
	Postneonatal (28 Days - 1 Year)	0	‡	†	‡	0	‡	0	‡	0	‡	0	‡	†	‡
	Fetal	†	‡	†	‡	5	‡	0	‡	†	‡	0	‡	0	‡
	Perinatal	†	‡	7	‡	8	‡	0	‡	†	‡	†	‡	0	‡
Leading Causes of Death - Residence****	Chronic liver disease and cirrhosis	†	‡	12	‡	7	‡	0	‡	6	‡	0	‡	0	‡
	Alzheimer's disease	†	‡	16	‡	8	‡	0	‡	†	‡	0	‡	0	‡
	Chronic lower respiratory diseases	17	‡	72	75.9	26	26.7	†	‡	12	‡	0	‡	†	‡
	Malignant neoplasms	30	262.2	221	232.8	103	105.8	†	‡	16	‡	0	‡	9	‡
	Cerebrovascular diseases	8	‡	55	57.9	19	‡	0	‡	9	‡	0	‡	†	‡
	Accidents (unintentional injuries)	8	‡	51	53.7	32	32.9	0	‡	16	‡	0	‡	†	‡
	Intentional self-harm (suicide)	†	‡	19	‡	9	‡	0	‡	†	‡	0	‡	†	‡
	Influenza and pneumonia	†	‡	19	‡	17	‡	†	‡	†	‡	0	‡	†	‡
	Diseases of heart	28	244.7	186	195.9	117	120.2	5	‡	22	160.6	†	‡	6	‡
Diabetes mellitus	†	‡	7	‡	†	‡	†	‡	†	‡	0	‡	0	‡	
Births - Occurrence	Live Births, Total	88	7.7	1,196	12.6	1,303	13.4	0	‡	189	13.8	0	‡	†	‡
Deaths - Occurrence	Deaths (Excluding Fetal), Total	138	12.1	956	10.1	510	5.2	10	‡	96	7.0	†	‡	28	8.7
	Accidental	5	‡	61	0.6	27	0.3	†	‡	17	‡	0	‡	†	‡
	Motor Vehicle	†	‡	13	‡	8	‡	†	‡	†	‡	0	‡	†	‡
	Other Accidental	†	‡	48	0.5	19	‡	0	‡	13	‡	0	‡	†	‡
Infant Death - Occurrence	Infant Deaths (Under 1 Year)	0	‡	5	‡	†	‡	0	‡	†	‡	0	‡	†	‡
Marriages - Occurrence	Marriages Solemnized	56	4.9	1,819	19.2	802	8.2	5	‡	71	5.2	†	‡	31	9.7
	Licenses Issued	60	5.2	1,793	18.9	889	9.1	†	‡	64	4.7	†	‡	24	7.5
Marital Terminations - Occurrence	Marital Terminations	68	5.9	396	4.2	324	3.3	†	‡	30	2.2	0	‡	8	‡

\* Natural increase, live births, deaths, marriages, and marital terminations are per 1,000 population.

\*\* Out of wedlock births, infant deaths, and fetal deaths are per 1,000 live births.

\*\*\* Cause-specific resident death rates are per 100,000 estimated population. See "Cause of Death" in the "Technical Overview" section for the International Classification of Disease (ICD-10) codes included in each category.

† Frequency is fewer than five.

‡ Figure does not meet standards of reliability or precision. See "Limitations Of Small Numbers" in the "Technical Overview" section.

**Table S-4**  
**Selected Vital Statistics**  
**Frequencies and Rates or Ratios by County**  
**Montana, 2014**

Item	Hill		Jefferson		Judith		Lake		Lewis & Clark		Liberty		Lincoln		
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	
Population	16,596	0	11,558	0	1,991	0	29,099	0	65,856	0	2,359	0	19,125	0	
Natural Increase*	179	0.0	14	‡	†	‡	93	0.0	182	0.0	†	‡	69	0.0	
Births - Residence	Live Births, Total	314	18.9	75	6.5	16	‡	376	12.9	762	11.6	20	8.5	175	9.2
	Live Births, Male	154	9.3	31	2.7	9	‡	197	6.8	387	5.9	11	‡	86	4.5
	Live Births, Female	160	9.6	44	3.8	7	‡	179	6.2	375	5.7	9	‡	89	4.7
Deaths - Residence	Deaths (Excluding Fetal), Total	135	8.1	89	7.7	20	10.0	283	9.7	580	8.8	21	8.9	244	12.8
	Deaths (Excluding Fetal), Male	74	4.5	49	4.2	12	‡	149	5.1	295	4.5	12	‡	131	6.8
	Deaths (Excluding Fetal), Female	61	3.7	40	3.5	8	‡	134	4.6	285	4.3	9	‡	113	5.9
Infant Mortality & Fetal Death - Residence***	Infant Deaths (Under 1 Year)	†	‡	0	‡	0	‡	†	‡	6	‡	0	‡	0	‡
	Neonatal (Under 28 Days)	†	‡	0	‡	0	‡	0	‡	†	‡	0	‡	0	‡
	Postneonatal (28 Days - 1 Year)	†	‡	0	‡	0	‡	†	‡	†	‡	0	‡	0	‡
	Fetal	†	‡	0	‡	0	‡	†	‡	†	‡	0	‡	†	‡
	Perinatal	†	‡	0	‡	0	‡	†	‡	7	‡	0	‡	†	‡
Leading Causes of Death - Residence****	Chronic liver disease and cirrhosis	†	‡	0	‡	†	‡	†	‡	13	‡	0	‡	†	‡
	Alzheimer's disease	†	‡	†	‡	0	‡	8	‡	13	‡	†	‡	7	‡
	Chronic lower respiratory diseases	12	‡	9	‡	†	‡	18	‡	40	60.7	†	‡	14	‡
	Malignant neoplasms	26	156.7	23	199.0	†	‡	60	206.2	147	223.2	†	‡	68	355.6
	Cerebrovascular diseases	7	‡	5	‡	†	‡	12	‡	31	47.1	†	‡	14	‡
	Accidents (unintentional injuries)	8	‡	5	‡	†	‡	24	82.5	35	53.1	†	‡	15	‡
	Intentional self-harm (suicide)	5	‡	†	‡	0	‡	12	‡	15	‡	0	‡	†	‡
	Influenza and pneumonia	†	‡	0	‡	0	‡	†	‡	15	‡	†	‡	†	‡
	Diseases of heart	35	210.9	19	‡	†	‡	51	175.3	96	145.8	†	‡	61	319.0
Diabetes mellitus	0	‡	†	‡	†	‡	11	‡	7	‡	†	‡	†	‡	
Births - Occurrence	415	25.0	†	‡	0	‡	313	10.8	778	11.8	0	‡	124	6.5	
Deaths - Occurrence	Deaths (Excluding Fetal), Total	116	7.0	91	7.9	12	‡	247	8.5	560	8.5	17	‡	211	11.0
	Accidental	8	‡	12	‡	5	‡	23	0.8	27	0.4	†	‡	9	‡
	Motor Vehicle	†	‡	9	‡	†	‡	5	‡	6	‡	0	‡	†	‡
	Other Accidental	6	‡	†	‡	†	‡	18	‡	21	0.3	†	‡	6	‡
Infant Death - Occurrence	†	‡	0	‡	0	‡	†	‡	†	‡	0	‡	0	‡	
Marriages - Occurrence	Marriages Solemnized	82	4.9	41	3.5	9	‡	203	7.0	451	6.8	5	‡	107	5.6
	Licenses Issued	97	5.8	21	1.8	8	‡	133	4.6	471	7.2	†	‡	90	4.7
Marital Terminations - Occurrence	Marital Terminations	51	3.1	23	2.0	†	‡	69	2.4	248	3.8	†	‡	44	2.3

\* Natural increase, live births, deaths, marriages, and marital terminations are per 1,000 population.

\*\* Out of wedlock births, infant deaths, and fetal deaths are per 1,000 live births.

\*\*\* Cause-specific resident death rates are per 100,000 estimated population. See "Cause of Death" in the "Technical Overview" section for the International Classification of Disease (ICD-10) codes included in each category.

† Frequency is fewer than five.

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**Table S-4  
Selected Vital Statistics  
Frequencies and Rates or Ratios by County  
Montana, 2014**

Item	McCone		Madison		Meagher		Mineral		Missoula		Musselshell		Park		
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	
Population	1,694	0	7,820	0	1,853	0	4,257	0	112,684	0	4,589	0	15,880	0	
Natural Increase*	†	‡	8	‡	13	‡	12	‡	373	0.0	0	‡	9	‡	
Births - Residence	Live Births, Total	23	13.6	53	6.8	15	‡	41	9.6	1,211	10.7	46	10.0	157	9.9
	Live Births, Male	15	‡	25	3.2	6	‡	21	4.9	619	5.5	22	4.8	70	4.4
	Live Births, Female	8	‡	28	3.6	9	‡	20	4.7	592	5.3	24	5.2	87	5.5
Deaths - Residence	Deaths (Excluding Fetal), Total	21	12.4	61	7.8	28	15.1	53	12.5	838	7.4	46	10.0	166	10.5
	Deaths (Excluding Fetal), Male	18	‡	36	4.6	19	‡	34	8.0	421	3.7	22	4.8	93	5.9
	Deaths (Excluding Fetal), Female	†	‡	25	3.2	9	‡	19	‡	417	3.7	24	5.2	73	4.6
Infant Mortality & Fetal Death - Residence***	Infant Deaths (Under 1 Year)	0	‡	0	‡	0	‡	0	‡	†	‡	†	‡	†	‡
	Neonatal (Under 28 Days)	0	‡	0	‡	0	‡	0	‡	†	‡	†	‡	†	‡
	Postneonatal (28 Days - 1 Year)	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡
	Fetal	0	‡	0	‡	0	‡	†	‡	5	‡	†	‡	†	‡
	Perinatal	0	‡	0	‡	0	‡	†	‡	7	‡	†	‡	†	‡
Leading Causes of Death - Residence****	Chronic liver disease and cirrhosis	0	‡	†	‡	0	‡	†	‡	13	‡	†	‡	†	‡
	Alzheimer's disease	†	‡	†	‡	0	‡	0	‡	18	‡	†	‡	10	‡
	Chronic lower respiratory diseases	†	‡	8	‡	0	‡	†	‡	41	36.4	6	‡	8	‡
	Malignant neoplasms	†	‡	14	‡	8	‡	11	‡	199	176.6	8	‡	39	245.6
	Cerebrovascular diseases	†	‡	5	‡	†	‡	†	‡	48	42.6	†	‡	7	‡
	Accidents (unintentional injuries)	†	‡	5	‡	†	‡	†	‡	47	41.7	5	‡	7	‡
	Intentional self-harm (suicide)	0	‡	†	‡	†	‡	5	‡	33	29.3	†	‡	9	‡
	Influenza and pneumonia	0	‡	0	‡	†	‡	0	‡	17	‡	†	‡	†	‡
	Diseases of heart	8	‡	14	‡	†	‡	9	‡	162	143.8	8	‡	27	170.0
	Diabetes mellitus	†	‡	†	‡	0	‡	†	‡	20	17.7	†	‡	5	‡
Births - Occurrence	Live Births, Total	†	‡	0	‡	0	‡	†	‡	1,616	14.3	†	‡	103	6.5
Deaths - Occurrence	Deaths (Excluding Fetal), Total	16	‡	55	7.0	22	11.9	35	8.2	1,057	9.4	31	6.8	148	9.3
	Accidental	†	‡	5	‡	†	‡	†	‡	63	0.6	†	‡	10	‡
	Motor Vehicle	†	‡	†	‡	†	‡	0	‡	28	0.2	†	‡	5	‡
	Other Accidental	0	‡	†	‡	†	‡	†	‡	35	0.3	†	‡	5	‡
Infant Death - Occurrence	Infant Deaths (Under 1 Year)	0	‡	0	‡	0	‡	0	‡	9	‡	0	‡	†	‡
Marriages - Occurrence	Marriages Solemnized	7	‡	77	9.8	12	‡	41	9.6	715	6.3	36	7.8	218	13.7
	Licenses Issued	7	‡	46	5.9	8	‡	24	5.6	849	7.5	37	8.1	136	8.6
Marital Terminations - Occurrence	Marital Terminations	†	‡	14	‡	5	‡	7	‡	487	4.3	13	‡	105	6.6

\* Natural increase, live births, deaths, marriages, and marital terminations are per 1,000 population.

\*\* Out of wedlock births, infant deaths, and fetal deaths are per 1,000 live births.

\*\*\* Cause-specific resident death rates are per 100,000 estimated population. See "Cause of Death" in the "Technical Overview" section for the International Classification of Disease (ICD-10) codes included in each category.

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**Table S-4  
Selected Vital Statistics  
Frequencies and Rates or Ratios by County  
Montana, 2014**

Item	Petroleum		Phillips		Pondera		Powder River		Powell		Prairie		Ravalli		
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	
Population	485	0	4,192	0	6,219	0	1,783	0	6,909	0	1,148	0	41,030	0	
Natural Increase*	†	‡	13	‡	†	‡	†	‡	28	0.0	†	‡	64	0.0	
Births - Residence	Live Births, Total	†	‡	69	16.5	78	12.5	12	‡	51	7.4	17	‡	369	9.0
	Live Births, Male	†	‡	34	8.1	47	7.6	6	‡	26	3.8	7	‡	199	4.9
	Live Births, Female	†	‡	35	8.3	31	5.0	6	‡	25	3.6	10	‡	170	4.1
Deaths - Residence	Deaths (Excluding Fetal), Total	†	‡	56	13.4	74	11.9	14	‡	79	11.4	16	‡	433	10.6
	Deaths (Excluding Fetal), Male	†	‡	34	8.1	36	5.8	8	‡	49	7.1	11	‡	235	5.7
	Deaths (Excluding Fetal), Female	†	‡	22	5.2	38	6.1	6	‡	30	4.3	5	‡	198	4.8
Infant Mortality & Fetal Death - Residence***	Infant Deaths (Under 1 Year)	0	‡	0	‡	†	‡	0	‡	0	‡	0	‡	†	‡
	Neonatal (Under 28 Days)	0	‡	0	‡	†	‡	0	‡	0	‡	0	‡	†	‡
	Postneonatal (28 Days - 1 Year)	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡
	Fetal	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡	†	‡
	Perinatal	0	‡	0	‡	†	‡	0	‡	0	‡	0	‡	†	‡
Leading Causes of Death - Residence****	Chronic liver disease and cirrhosis	0	‡	†	‡	†	‡	0	‡	†	‡	0	‡	8	‡
	Alzheimer's disease	0	‡	†	‡	†	‡	0	‡	†	‡	†	‡	8	‡
	Chronic lower respiratory diseases	†	‡	6	‡	11	‡	†	‡	6	‡	†	‡	32	78.0
	Malignant neoplasms	†	‡	7	‡	13	‡	†	‡	14	‡	5	‡	106	258.3
	Cerebrovascular diseases	0	‡	†	‡	†	‡	0	‡	†	‡	†	‡	21	51.2
	Accidents (unintentional injuries)	0	‡	†	‡	†	‡	†	‡	5	‡	†	‡	23	56.1
	Intentional self-harm (suicide)	0	‡	0	‡	0	‡	0	‡	5	‡	0	‡	13	‡
	Influenza and pneumonia	0	‡	†	‡	†	‡	0	‡	†	‡	0	‡	11	‡
	Diseases of heart	0	‡	14	‡	9	‡	†	‡	16	‡	†	‡	89	216.9
	Diabetes mellitus	0	‡	†	‡	6	‡	0	‡	†	‡	0	‡	13	‡
Births - Occurrence	Live Births, Total	0	‡	0	‡	0	‡	0	‡	†	‡	†	‡	187	4.6
Deaths - Occurrence	Deaths (Excluding Fetal), Total	†	‡	43	10.3	50	8.0	8	‡	66	9.6	11	‡	325	7.9
	Accidental	†	‡	†	‡	0	‡	†	‡	†	‡	†	‡	13	‡
	Motor Vehicle	†	‡	†	‡	0	‡	†	‡	0	‡	0	‡	†	‡
	Other Accidental	0	‡	0	‡	0	‡	†	‡	†	‡	†	‡	9	‡
Infant Death - Occurrence	Infant Deaths (Under 1 Year)	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡
Marriages - Occurrence	Marriages Solemnized	†	‡	19	‡	21	3.4	12	‡	32	4.6	†	‡	240	5.8
	Licenses Issued	0	‡	20	4.8	22	3.5	13	‡	29	4.2	†	‡	199	4.9
Marital Terminations - Occurrence	Marital Terminations	†	‡	8	‡	14	‡	6	‡	14	‡	†	‡	139	3.4

\* Natural increase, live births, deaths, marriages, and marital terminations are per 1,000 population.

\*\* Out of wedlock births, infant deaths, and fetal deaths are per 1,000 live births.

\*\*\* Cause-specific resident death rates are per 100,000 estimated population. See "Cause of Death" in the "Technical Overview" section for the International Classification of Disease (ICD-10) codes included in each category.

† Frequency is fewer than five.

‡ Figure does not meet standards of reliability or precision. See "Limitations Of Small Numbers" in the "Technical Overview" section.

**Table S-4  
Selected Vital Statistics  
Frequencies and Rates or Ratios by County  
Montana, 2014**

Item	Richland		Roosevelt		Rosebud		Sanders		Sheridan		Silver Bow		Stillwater		
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	
Population	11,576	0	11,332	0	9,326	0	11,364	0	3,696	0	34,680	0	9,290	0	
Natural Increase*	89	0.0	76	0.0	90	0.0	22	0.0	10	‡	33	0.0	10	‡	
Births - Residence	Live Births, Total	178	15.4	251	22.1	164	17.6	124	10.9	45	12.2	424	12.2	88	9.5
	Live Births, Male	76	6.6	139	12.3	88	9.4	64	5.6	22	6.0	217	6.3	49	5.3
	Live Births, Female	102	8.8	112	9.9	76	8.1	60	5.3	23	6.2	207	6.0	39	4.2
Deaths - Residence	Deaths (Excluding Fetal), Total	89	7.7	175	15.4	74	7.9	146	12.8	55	14.9	391	11.3	98	10.5
	Deaths (Excluding Fetal), Male	53	4.6	86	7.6	35	3.8	86	7.6	22	6.0	180	5.2	48	5.2
	Deaths (Excluding Fetal), Female	36	3.1	89	7.9	39	4.2	60	5.3	33	8.9	211	6.1	50	5.4
Infant Mortality & Fetal Death - Residence***	Infant Deaths (Under 1 Year)	0	‡	‡	‡	‡	‡	‡	‡	0	‡	0	‡	0	‡
	Neonatal (Under 28 Days)	0	‡	‡	‡	‡	‡	0	‡	0	‡	0	‡	0	‡
	Postneonatal (28 Days - 1 Year)	0	‡	0	‡	0	‡	‡	‡	0	‡	0	‡	0	‡
	Fetal	0	‡	‡	‡	‡	‡	‡	‡	0	‡	‡	‡	‡	‡
	Perinatal	0	‡	‡	‡	‡	‡	‡	‡	0	‡	‡	‡	‡	‡
Leading Causes of Death - Residence****	Chronic liver disease and cirrhosis	0	‡	8	‡	‡	‡	‡	‡	‡	‡	5	‡	‡	‡
	Alzheimer's disease	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
	Chronic lower respiratory diseases	‡	‡	6	‡	6	‡	8	‡	‡	‡	42	121.1	‡	‡
	Malignant neoplasms	24	207.3	39	344.2	11	‡	32	281.6	11	‡	83	239.3	24	258.3
	Cerebrovascular diseases	‡	‡	13	‡	‡	‡	8	‡	‡	‡	11	‡	8	‡
	Accidents (unintentional injuries)	‡	‡	15	‡	6	‡	7	‡	5	‡	23	66.3	5	‡
	Intentional self-harm (suicide)	‡	‡	5	‡	‡	‡	‡	‡	0	‡	11	‡	5	‡
	Influenza and pneumonia	‡	‡	‡	‡	‡	‡	5	‡	‡	‡	9	‡	‡	‡
	Diseases of heart	22	190.0	36	317.7	12	‡	40	352.0	14	‡	94	271.0	23	247.6
Diabetes mellitus	0	‡	6	‡	‡	‡	5	‡	‡	‡	15	‡	‡	‡	
Births - Occurrence	Live Births, Total	168	14.5	172	15.2	10	‡	49	4.3	0	‡	457	13.2	5	‡
Deaths - Occurrence	Deaths (Excluding Fetal), Total	80	6.9	125	11.0	47	5.0	107	9.4	57	15.4	396	11.4	74	8.0
	Accidental	6	‡	10	‡	6	‡	6	‡	9	‡	25	0.7	‡	‡
	Motor Vehicle	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	7	‡	0	‡
	Other Accidental	‡	‡	7	‡	‡	‡	‡	‡	5	‡	18	‡	‡	‡
Infant Death - Occurrence	Infant Deaths (Under 1 Year)	0	‡	‡	‡	0	‡	‡	‡	0	‡	0	‡	0	‡
Marriages - Occurrence	Marriages Solemnized	87	7.5	37	3.3	34	3.6	64	5.6	17	‡	239	6.9	57	6.1
	Licenses Issued	93	8.0	42	3.7	36	3.9	56	4.9	18	‡	251	7.2	44	4.7
Marital Terminations - Occurrence	Marital Terminations	42	3.6	‡	‡	9	‡	48	4.2	11	‡	150	4.3	‡	‡

\* Natural increase, live births, deaths, marriages, and marital terminations are per 1,000 population.

\*\* Out of wedlock births, infant deaths, and fetal deaths are per 1,000 live births.

\*\*\* Cause-specific resident death rates are per 100,000 estimated population. See "Cause of Death" in the "Technical Overview" section for the International Classification of Disease (ICD-10) codes included in each category.

† Frequency is fewer than five.

‡ Figure does not meet standards of reliability or precision. See "Limitations Of Small Numbers" in the "Technical Overview" section.

**Table S-4**  
**Selected Vital Statistics**  
**Frequencies and Rates or Ratios by County**  
**Montana, 2014**

Item	Sweet Grass		Teton		Toole		Treasure		Valley		Wheatland		Wibaux		
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	
Population	3,665	0	6,064	0	5,150	0	692	0	7,640	0	2,102	0	1,121	0	
Natural Increase*	16	‡	19	‡	†	‡	6	‡	7	‡	0	‡	0	‡	
Births - Residence	Live Births, Total	27	7.4	86	14.2	45	8.7	8	‡	83	10.9	25	11.9	16	‡
	Live Births, Male	22	6.0	44	7.3	22	4.3	5	‡	46	6.0	13	‡	7	‡
	Live Births, Female	5	‡	42	6.9	23	4.5	†	‡	37	4.8	12	‡	9	‡
Deaths - Residence	Deaths (Excluding Fetal), Total	43	11.7	67	11.0	43	8.3	14	‡	76	9.9	25	11.9	16	‡
	Deaths (Excluding Fetal), Male	14	‡	32	5.3	20	3.9	11	‡	45	5.9	13	‡	8	‡
	Deaths (Excluding Fetal), Female	29	7.9	35	5.8	23	4.5	†	‡	31	4.1	12	‡	8	‡
Infant Mortality & Fetal Death - Residence***	Infant Deaths (Under 1 Year)	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡
	Neonatal (Under 28 Days)	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡
	Postneonatal (28 Days - 1 Year)	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡
	Fetal	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡
	Perinatal	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡
Leading Causes of Death - Residence****	Chronic liver disease and cirrhosis	0	‡	0	‡	0	‡	0	‡	†	‡	0	‡	0	‡
	Alzheimer's disease	0	‡	†	‡	0	‡	0	‡	†	‡	†	‡	0	‡
	Chronic lower respiratory diseases	†	‡	5	‡	6	‡	0	‡	†	‡	†	‡	†	‡
	Malignant neoplasms	14	‡	17	‡	11	‡	†	‡	14	‡	†	‡	†	‡
	Cerebrovascular diseases	5	‡	5	‡	0	‡	0	‡	†	‡	†	‡	0	‡
	Accidents (unintentional injuries)	†	‡	†	‡	†	‡	†	‡	†	‡	†	‡	†	‡
	Intentional self-harm (suicide)	†	‡	†	‡	0	‡	†	‡	†	‡	0	‡	0	‡
	Influenza and pneumonia	†	‡	0	‡	†	‡	†	‡	†	‡	†	‡	†	‡
	Diseases of heart	11	‡	16	‡	12	‡	†	‡	23	301.0	11	‡	†	‡
Diabetes mellitus	†	‡	†	‡	†	‡	0	‡	†	‡	0	‡	0	‡	
Births - Occurrence	Live Births, Total	0	‡	†	‡	21	4.1	0	‡	132	17.3	†	‡	0	‡
Deaths - Occurrence	Deaths (Excluding Fetal), Total	36	9.8	50	8.2	33	6.4	5	‡	64	8.4	17	‡	14	‡
	Accidental	†	‡	5	‡	†	‡	†	‡	5	‡	0	‡	†	‡
	Motor Vehicle	†	‡	†	‡	0	‡	†	‡	†	‡	0	‡	0	‡
	Other Accidental	†	‡	†	‡	†	‡	0	‡	†	‡	0	‡	†	‡
Infant Death - Occurrence	Infant Deaths (Under 1 Year)	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡
Marriages - Occurrence	Marriages Solemnized	17	‡	23	3.8	26	5.0	†	‡	38	5.0	11	‡	9	‡
	Licenses Issued	18	‡	24	4.0	30	5.8	†	‡	32	4.2	12	‡	9	‡
Marital Terminations - Occurrence	Marital Terminations	10	‡	14	‡	19	‡	†	‡	23	3.0	5	‡	†	‡

\* Natural increase, live births, deaths, marriages, and marital terminations are per 1,000 population.

\*\* Out of wedlock births, infant deaths, and fetal deaths are per 1,000 live births.

\*\*\* Cause-specific resident death rates are per 100,000 estimated population. See "Cause of Death" in the "Technical Overview" section for the International Classification of Disease (ICD-10) codes included in each category.

† Frequency is fewer than five.

‡ Figure does not meet standards of reliability or precision. See "Limitations Of Small Numbers" in the "Technical Overview" section.

**Table S-4**  
**Selected Vital Statistics**  
**Frequencies and Rates or Ratios by County**  
**Montana, 2014**

Item		Yellowstone	
		Number	Rate
Population	Population	155,634	0
Natural Increase*	Natural Increase	667	0.0
Births - Residence	Live Births, Total	2,026	13.0
	Live Births, Male	1,008	6.5
	Live Births, Female	1,018	6.5
Deaths - Residence	Deaths (Excluding Fetal), Total	1,359	8.7
	Deaths (Excluding Fetal), Male	655	4.2
	Deaths (Excluding Fetal), Female	704	4.5
Infant Mortality & Fetal Death - Residence***	Infant Deaths (Under 1 Year)	12	‡
	Neonatal (Under 28 Days)	8	‡
	Postneonatal (28 Days - 1 Year)	†	‡
	Fetal	6	‡
	Perinatal	14	‡
Leading Causes of Death - Residence****	Chronic liver disease and cirrhosis	19	‡
	Alzheimer's disease	65	41.8
	Chronic lower respiratory diseases	103	66.2
	Malignant neoplasms	270	173.5
	Cerebrovascular diseases	72	46.3
	Accidents (unintentional injuries)	61	39.2
	Intentional self-harm (suicide)	33	21.2
	Influenza and pneumonia	18	‡
	Diseases of heart	273	175.4
	Diabetes mellitus	50	32.1
Births - Occurrence	Live Births, Total	2,845	18.3
Deaths - Occurrence	Deaths (Excluding Fetal), Total	1,753	11.3
	Accidental	98	0.6
	Motor Vehicle	38	0.2
	Other Accidental	60	0.4
Infant Death - Occurrence	Infant Deaths (Under 1 Year)	22	7.7
Marriages - Occurrence	Marriages Solemnized	1,051	6.8
	Licenses Issued	1,140	7.3
Marital Terminations - Occurrence	Marital Terminations	556	3.6

\* Natural increase, live births, deaths, marriages, and marital terminations are per 1,000 population.

\*\* Out of wedlock births, infant deaths, and fetal deaths are per 1,000 live births.

\*\*\* Cause-specific resident death rates are per 100,000 estimated population. See "Cause of Death" in the "Technical Overview" section for the International Classification of Disease (ICD-10) codes included in each category.

† Frequency is fewer than five.

‡ Figure does not meet standards of reliability or precision. See "Limitations Of Small Numbers" in the "Technical Overview" section.

**Table S-5**  
**Frequency and Age-Specific Rate\* of Live Births, Fetal Deaths**  
**and Induced Abortions\*\* by Year and age of Mother or Parent**  
**Montana Residents, 1990-2014**

Year			Age						Not Stated
			All Ages	Younger Than 20	20-24	25-29	30-34	35 And Older	
2014	Live Births	Number	12,431	813	2,928	3,918	3,232	1,539	†
		Rate*	66.9	26.5	82.3	126.6	101.0	27.1	‡
	Fetal Deaths	Number	52	†	18	17	8	7	0
		Rate*	0.2	‡	‡	‡	‡	‡	0
	Induced Abortions	Number	1,464	197	498	378	220	171	0
		Rate*	7.8	6.4	14.0	12.2	6.8	3.0	0
2013	Live Births	Number	12,351	859	3,165	3,877	2,988	1,462	0
		Rate*	67.0	27.9	90.1	125.9	95.6	25.9	0
	Fetal Deaths	Number	54	†	7	20	15	9	0
		Rate*	0.2	‡	‡	0.6	‡	‡	0
	Induced Abortions	Number	1,622	227	536	389	265	205	0
		Rate*	8.8	7.3	15.2	12.6	8.4	3.6	0
2012	Live Births	Number	12,052	896	3,066	3,728	2,923	1,439	0
		Rate*	66.1	28.7	89.4	121.2	96.1	25.8	0
	Fetal Deaths	Number	57	8	17	15	9	8	0
		Rate*	0.3	‡	‡	‡	‡	‡	0
	Induced Abortions	Number	1,802	270	624	429	262	217	0
		Rate*	9.8	8.6	18.2	13.9	8.6	3.8	0
2011	Live Births	Number	12,039	935	3,206	3,725	2,848	1,324	†
		Rate*	66.5	29.4	96.3	119.9	96.2	23.9	‡
	Fetal Deaths	Number	62	11	14	18	8	10	†
		Rate*	0.3	‡	‡	‡	‡	‡	‡
	Induced Abortions	Number	1,875	304	654	433	270	214	0
		Rate*	10.3	9.5	19.6	13.9	9.1	3.8	0
2010	Live Births	Number	12,058	1,141	3,137	3,624	2,772	1,383	†
		Rate*	67.0	35.5	96.8	116.8	96.4	24.8	‡
	Fetal Deaths	Number	52	10	11	12	13	6	0
		Rate*	0.2	‡	‡	‡	‡	‡	0
	Induced Abortions	Number	1,892	308	675	443	244	222	0
		Rate*	10.5	9.5	20.8	14.2	8.4	3.9	0
2009	Live Births	Number	12,280	1,267	3,318	3,769	2,624	1,302	0
		Rate*	68.2	38.4	102.5	123.9	94.0	23.1	0
	Fetal Deaths	Number	58	7	10	14	15	11	0
		Rate*	0.3	‡	‡	‡	‡	‡	0
	Induced Abortions	Number	1,946	363	659	471	241	212	0
		Rate*	10.8	11.0	20.3	15.4	8.6	3.7	0
2008	Live Births	Number	12,595	1,321	3,458	3,884	2,605	1,327	0
		Rate*	69.5	39.2	105.3	131.1	96.8	22.8	0
	Fetal Deaths	Number	39	9	†	5	6	15	0
		Rate*	0.2	‡	‡	‡	‡	‡	0
	Induced Abortions	Number	1,916	370	688	427	240	190	0
		Rate*	10.5	10.9	20.9	14.4	8.9	3.2	0
2007	Live Births	Number	12,437	1,207	3,486	3,756	2,555	1,433	0
		Rate*	68.7	35.4	106.0	132.0	98.2	24.0	0
	Fetal Deaths	Number	38	6	†	12	7	9	0
		Rate*	0.2	‡	‡	‡	‡	‡	0
	Induced Abortions	Number	1,977	374	732	423	224	224	0
		Rate*	10.9	10.9	22.2	14.8	8.6	3.7	0

\* Per 1,000 females in the designated age group. Female population aged 15-44 is used as the denominator for the total.

\*\* These events are the only pregnancy outcomes reported in Montana. Thus, this table does not include induced abortions performed outside Montana on Montana residents or early fetal deaths (when the fetus weighed less than 350 grams or the gestation was less than 20 weeks).

† Frequency is fewer than five.

‡ Figure does not meet standards of reliability or precision. See "Limitations Of Small Numbers" in the "Technical Overview" section.

**Table S-5**  
**Frequency and Age-Specific Rate\* of Live Births, Fetal Deaths**  
**and Induced Abortions\*\* by Year and age of Mother or Parent**  
**Montana Residents, 1990-2014**

Year			Age						Not Stated
			All Ages	Younger Than 20	20-24	25-29	30-34	35 And Older	
2006	Live Births	Number	12,499	1,289	3,528	3,728	2,515	1,439	0
		Rate*	69.1	37.7	103.9	141.9	97.3	23.7	0
	Fetal Deaths	Number	49	6	9	13	10	11	0
		Rate*	0.2	‡	‡	‡	‡	‡	0
	Induced Abortions	Number	1,960	385	732	413	212	217	0
		Rate*	10.8	11.2	21.5	15.7	8.2	3.5	0
2005	Live Births	Number	11,573	1,201	3,314	3,318	2,370	1,368	†
		Rate*	63.9	34.9	98.8	132.3	90.4	22.1	‡
	Fetal Deaths	Number	54	†	18	17	8	10	0
		Rate*	0.2	‡	‡	‡	‡	‡	0
	Induced Abortions	Number	1,981	428	691	385	263	213	0
		Rate*	10.9	12.4	20.6	15.3	10.0	3.4	0
2004	Live Births	Number	11,514	1,225	3,327	3,233	2,398	1,331	0
		Rate*	63.6	35.6	102.2	132.4	91.4	21.0	0
	Fetal Deaths	Number	40	†	8	11	10	7	0
		Rate*	0.2	‡	‡	‡	‡	‡	0
	Induced Abortions	Number	2,089	420	733	446	230	259	0
		Rate*	11.5	12.2	22.5	18.2	8.7	4.0	0
2003	Live Births	Number	11,384	1,211	3,124	3,259	2,435	1,353	†
		Rate*	62.8	34.9	98.9	138.4	92.5	20.7	‡
	Fetal Deaths	Number	55	7	17	13	9	9	0
		Rate*	0.3	‡	‡	‡	‡	‡	0
	Induced Abortions	Number	1,979	432	677	412	227	227	0
		Rate*	10.9	12.4	21.4	17.5	8.6	3.4	0
2002	Live Births	Number	11,045	1,277	3,155	3,028	2,319	1,263	†
		Rate*	60.7	36.6	104.4	130.8	88.0	18.7	‡
	Fetal Deaths	Number	51	†	17	11	13	6	0
		Rate*	0.2	‡	‡	‡	‡	‡	0
	Induced Abortions	Number	2,052	456	689	381	271	255	0
		Rate*	11.2	13.1	22.8	16.4	10.2	3.7	0
2001	Live Births	Number	10,947	1,266	3,094	2,948	2,315	1,315	9
		Rate*	59.6	35.8	107.8	125.0	88.2	18.8	‡
	Fetal Deaths	Number	43	7	11	8	9	6	†
		Rate*	0.2	‡	‡	‡	‡	‡	‡
	Induced Abortions	Number	2,082	480	702	355	265	273	7
		Rate*	11.3	13.5	24.4	15.0	10.1	3.9	‡
2000	Live Births	Number	10,946	1,273	3,067	3,051	2,190	1,365	0
		Rate*	59.0	36.7	108.7	124.6	83.8	18.9	0
	Fetal Deaths	Number	55	9	17	13	10	6	0
		Rate*	0.2	‡	‡	‡	‡	‡	0
	Induced Abortions	Number	2,118	490	740	370	253	264	0
		Rate*	11.4	14.1	26.2	15.1	9.6	3.6	0
1999	Live Births	Number	10,778	1,258	2,977	3,013	2,164	1,362	†
		Rate*	57.9	36.2	106.9	122.9	83.0	18.6	‡
	Fetal Deaths	Number	62	†	17	22	12	7	0
		Rate*	0.3	‡	‡	0.8	‡	‡	0
	Induced Abortions	Number	2,139	549	659	407	244	278	0
		Rate*	11.4	15.8	23.6	16.6	9.3	3.8	0

\* Per 1,000 females in the designated age group. Female population aged 15-44 is used as the denominator for the total.

\*\* These events are the only pregnancy outcomes reported in Montana. Thus, this table does not include induced abortions performed outside Montana on Montana residents or early fetal deaths (when the fetus weighed less than 350 grams or the gestation was less than 20 weeks).

† Frequency is fewer than five.

‡ Figure does not meet standards of reliability or precision. See "Limitations Of Small Numbers" in the "Technical Overview" section.

**Table S-5**  
**Frequency and Age-Specific Rate\* of Live Births, Fetal Deaths**  
**and Induced Abortions\*\* by Year and age of Mother or Parent**  
**Montana Residents, 1990-2014**

Year			Age						Not Stated
			All Ages	Younger Than 20	20-24	25-29	30-34	35 And Older	
1998	Live Births	Number	10,789	1,337	2,998	2,959	2,192	1,301	†
		Rate*	57.5	38.5	108.5	121.6	82.0	17.5	‡
	Fetal Deaths	Number	76	13	14	24	9	15	†
		Rate*	0.4	‡	‡	0.9	‡	‡	‡
	Induced Abortions	Number	2,159	498	710	418	247	283	†
		Rate*	11.5	14.3	25.7	17.1	9.2	3.8	‡
1997	Live Births	Number	10,838	1,327	2,834	3,065	2,232	1,380	0
		Rate*	57.2	38.6	102.8	127.0	79.8	18.2	0
	Fetal Deaths	Number	49	6	20	12	†	8	0
		Rate*	0.2	‡	0.7	‡	‡	‡	0
	Induced Abortions	Number	2,337	578	705	443	281	307	0
		Rate*	12.3	16.8	25.5	18.3	10.0	4.0	0
1996	Live Births	Number	10,840	1,344	2,844	3,045	2,294	1,312	†
		Rate*	57.0	39.7	104.3	127.5	77.9	17.3	‡
	Fetal Deaths	Number	58	10	9	13	12	14	0
		Rate*	0.3	‡	‡	‡	‡	‡	0
	Induced Abortions	Number	2,307	563	700	442	319	283	0
		Rate*	12.1	16.6	25.6	18.5	10.8	3.7	0
1995	Live Births	Number	11,136	1,410	2,950	3,087	2,395	1,294	0
		Rate*	59.0	42.8	109.1	132.0	78.0	17.3	0
	Fetal Deaths	Number	67	11	7	17	21	10	0
		Rate*	0.3	‡	‡	‡	0.6	‡	0
	Induced Abortions	Number	2,244	587	680	394	293	290	0
		Rate*	11.8	17.8	25.1	16.8	9.5	3.8	0
1994	Live Births	Number	11,062	1,337	2,994	3,036	2,429	1,266	0
		Rate*	59.6	42.1	114.0	130.2	76.6	17.4	0
	Fetal Deaths	Number	52	6	11	13	13	8	0
		Rate*	0.2	‡	‡	‡	‡	‡	0
	Induced Abortions	Number	2,310	592	711	386	342	279	0
		Rate*	12.4	18.6	27.0	16.5	10.7	3.8	0
1993	Live Births	Number	11,362	1,413	3,131	3,180	2,449	1,187	†
		Rate*	62.2	46.4	122.7	133.3	75.4	16.8	‡
	Fetal Deaths	Number	74	9	20	21	13	10	†
		Rate*	0.4	‡	0.7	0.8	‡	‡	‡
	Induced Abortions	Number	2,269	570	733	405	309	251	†
		Rate*	12.4	18.7	28.7	16.9	9.5	3.5	‡
1992	Live Births	Number	11,468	1,368	3,096	3,336	2,519	1,149	0
		Rate*	63.9	46.8	125.6	134.6	76.4	16.9	0
	Fetal Deaths	Number	84	†	21	25	21	13	0
		Rate*	0.4	‡	0.8	1.0	0.6	‡	0
	Induced Abortions	Number	2,417	601	740	426	376	274	0
		Rate*	13.4	20.5	30.0	17.1	11.4	4.0	0
1991	Live Births	Number	11,498	1,331	3,197	3,379	2,456	1,134	†
		Rate*	64.7	47.4	133.3	129.0	73.3	17.1	‡
	Fetal Deaths	Number	90	15	14	23	22	15	†
		Rate*	0.5	‡	‡	0.8	0.6	‡	‡
	Induced Abortions	Number	2,376	600	767	443	325	241	0
		Rate*	13.3	21.4	31.9	16.9	9.7	3.6	0

\* Per 1,000 females in the designated age group. Female population aged 15-44 is used as the denominator for the total.

\*\* These events are the only pregnancy outcomes reported in Montana. Thus, this table does not include induced abortions performed outside Montana on Montana residents or early fetal deaths (when the fetus weighed less than 350 grams or the gestation was less than 20 weeks).

† Frequency is fewer than five.

‡ Figure does not meet standards of reliability or precision. See "Limitations Of Small Numbers" in the "Technical Overview" section.

**Table S-5**  
**Frequency and Age-Specific Rate\* of Live Births, Fetal Deaths**  
**and Induced Abortions\*\* by Year and age of Mother or Parent**  
**Montana Residents, 1990-2014**

Year			Age						
			All Ages	Younger Than 20	20-24	25-29	30-34	35 And Older	Not Stated
1990	Live Births	Number	11,602	1,344	3,070	3,669	2,481	1,038	0
		Rate*	65.9	48.7	130.4	131.4	72.9	16.4	0
	Fetal Deaths	Number	78	6	19	21	15	17	0
		Rate*	0.4	‡	‡	0.7	‡	‡	0
	Induced Abortions	Number	2,570	705	754	505	356	250	0
		Rate*	14.6	25.5	32.0	18.0	10.4	3.9	0

\* Per 1,000 females in the designated age group. Female population aged 15-44 is used as the denominator for the total.

\*\* These events are the only pregnancy outcomes reported in Montana. Thus, this table does not include induced abortions performed outside Montana on Montana residents or early fetal deaths (when the fetus weighed less than 350 grams or the gestation was less than 20 weeks).

† Frequency is fewer than five.

‡ Figure does not meet standards of reliability or precision. See "Limitations Of Small Numbers" in the "Technical Overview" section.

**Table P-1  
Resident Population By County  
Montana, 2001-2014**

County	Year													
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
<b>Montana Total</b>	906,961	911,667	919,630	930,009	940,102	952,692	964,706	976,415	983,982	990,575	997,661	1,005,163	1,014,864	1,023,579
<b>Beaverhead</b>	9,058	9,018	8,924	8,908	8,904	9,012	9,028	9,166	9,200	9,248	9,212	9,356	9,308	9,345
<b>Big Horn</b>	12,783	12,713	12,652	12,731	12,634	12,540	12,549	12,564	12,747	12,919	13,054	13,008	13,134	13,282
<b>Blaine</b>	6,748	6,769	6,699	6,571	6,592	6,536	6,472	6,401	6,445	6,484	6,556	6,637	6,582	6,619
<b>Broadwater</b>	4,438	4,478	4,562	4,711	4,775	4,958	5,089	5,261	5,496	5,638	5,732	5,762	5,687	5,667
<b>Carbon</b>	9,665	9,714	9,747	9,796	9,921	9,916	9,973	9,965	10,033	10,057	10,076	10,109	10,305	10,399
<b>Carter</b>	1,337	1,319	1,290	1,284	1,258	1,227	1,216	1,172	1,180	1,154	1,142	1,174	1,169	1,169
<b>Cascade</b>	80,055	79,848	79,633	80,198	80,041	79,984	80,099	80,529	80,680	81,506	81,747	81,765	82,404	82,344
<b>Chouteau</b>	5,899	5,811	5,775	5,729	5,708	5,709	5,746	5,774	5,793	5,811	5,803	5,927	5,861	5,894
<b>Custer</b>	11,484	11,510	11,438	11,510	11,423	11,395	11,480	11,515	11,646	11,699	11,772	11,845	11,936	12,092
<b>Daniels</b>	1,999	1,912	1,881	1,804	1,782	1,748	1,702	1,704	1,732	1,742	1,769	1,779	1,783	1,793
<b>Dawson</b>	8,963	8,801	8,812	8,764	8,800	8,853	8,944	8,925	9,008	8,930	9,006	9,239	9,400	9,518
<b>Deer Lodge</b>	9,303	9,238	9,189	9,274	9,274	9,180	9,264	9,351	9,260	9,297	9,261	9,222	9,287	9,150
<b>Fallon</b>	2,741	2,725	2,769	2,773	2,712	2,722	2,768	2,807	2,882	2,891	2,934	3,031	3,056	3,108
<b>Fergus</b>	11,736	11,666	11,565	11,546	11,444	11,501	11,463	11,448	11,571	11,578	11,498	11,439	11,522	11,442
<b>Flathead</b>	76,171	77,583	79,643	81,247	83,320	85,759	88,245	90,260	90,910	90,902	91,222	91,692	93,125	94,924
<b>Gallatin</b>	70,120	71,824	74,504	77,124	80,310	83,984	86,620	88,932	89,187	89,599	91,333	92,604	94,694	97,308
<b>Garfield</b>	1,269	1,258	1,254	1,236	1,202	1,233	1,234	1,205	1,240	1,186	1,277	1,264	1,282	1,309
<b>Glacier</b>	13,098	13,101	13,168	13,388	13,264	13,250	13,179	13,109	13,266	13,447	13,578	13,684	13,801	13,696
<b>Golden</b>	992	1,012	981	1,001	1,014	973	964	890	897	883	840	842	857	852
<b>Granite</b>	2,905	2,919	2,931	2,943	3,009	3,013	3,039	3,031	3,057	3,073	3,145	3,107	3,130	3,209
<b>Hill</b>	16,378	16,139	15,988	15,947	15,870	15,981	16,031	15,889	15,981	16,142	16,403	16,427	16,604	16,596
<b>Jefferson</b>	10,087	10,181	10,262	10,511	10,709	10,801	11,040	11,203	11,364	11,410	11,450	11,400	11,505	11,558
<b>Judith</b>	2,266	2,246	2,201	2,196	2,161	2,146	2,083	2,071	2,076	2,062	2,028	2,021	2,011	1,991
<b>Lake</b>	26,810	26,814	27,117	27,634	28,023	28,283	28,235	28,515	28,668	28,785	29,029	28,999	29,023	29,099
<b>Lewis &amp; Clark</b>	56,262	56,271	57,110	58,041	58,529	59,529	60,646	61,747	62,671	63,590	64,237	64,845	65,333	65,856
<b>Liberty</b>	2,163	2,144	2,212	2,263	2,266	2,216	2,236	2,225	2,283	2,354	2,382	2,395	2,373	2,359
<b>Lincoln</b>	18,646	18,669	18,861	18,991	19,180	19,228	19,440	19,541	19,657	19,681	19,599	19,469	19,403	19,125
<b>McCone</b>	1,874	1,828	1,797	1,781	1,778	1,765	1,767	1,720	1,705	1,734	1,708	1,693	1,704	1,694
<b>Madison</b>	6,856	6,935	6,894	6,999	7,211	7,343	7,560	7,674	7,674	7,683	7,695	7,725	7,694	7,820
<b>Meagher</b>	1,906	1,895	1,913	1,935	1,899	1,923	1,908	1,893	1,897	1,890	1,888	1,897	1,912	1,853
<b>Mineral</b>	3,839	3,837	3,936	3,985	4,133	4,211	4,156	4,177	4,200	4,211	4,248	4,164	4,271	4,257
<b>Missoula</b>	97,435	98,968	99,976	100,934	102,298	104,372	106,110	107,747	108,717	109,425	110,121	111,054	111,769	112,684
<b>Musselshell</b>	4,368	4,353	4,361	4,370	4,323	4,398	4,394	4,423	4,478	4,548	4,745	4,675	4,625	4,589
<b>Park</b>	15,651	15,676	15,539	15,509	15,629	15,690	15,828	15,896	15,738	15,586	15,502	15,580	15,660	15,880
<b>Petroleum</b>	490	506	506	519	492	495	470	481	488	492	490	509	505	485
<b>Phillips</b>	4,498	4,383	4,317	4,295	4,228	4,166	4,193	4,182	4,242	4,266	4,206	4,127	4,179	4,192
<b>Pondera</b>	6,360	6,285	6,228	6,140	6,148	6,172	6,169	6,117	6,109	6,172	6,214	6,193	6,258	6,219
<b>Powder River</b>	1,814	1,834	1,837	1,789	1,739	1,794	1,761	1,756	1,738	1,728	1,750	1,755	1,751	1,783
<b>Powell</b>	7,033	6,986	6,893	6,872	6,997	7,115	7,117	7,036	7,093	7,017	7,076	7,085	6,965	6,909
<b>Prairie</b>	1,208	1,173	1,168	1,153	1,098	1,098	1,083	1,123	1,139	1,189	1,158	1,157	1,176	1,148
<b>Ravalli</b>	36,683	37,308	38,184	38,739	39,012	39,555	40,023	40,223	39,956	40,325	40,385	40,637	40,824	41,030
<b>Richland</b>	9,424	9,286	9,195	9,096	9,207	9,267	9,356	9,430	9,679	9,738	10,133	10,794	11,187	11,576
<b>Roosevelt</b>	10,558	10,389	10,344	10,459	10,437	10,285	10,166	10,129	10,334	10,438	10,525	10,885	11,124	11,332
<b>Rosebud</b>	9,248	9,196	9,210	9,136	9,131	9,057	9,089	9,095	9,174	9,266	9,364	9,382	9,336	9,326
<b>Sanders</b>	10,489	10,466	10,554	10,895	11,002	11,178	11,364	11,433	11,471	11,395	11,374	11,383	11,348	11,364
<b>Sheridan</b>	3,952	3,825	3,697	3,683	3,573	3,507	3,469	3,385	3,387	3,373	3,441	3,580	3,658	3,696
<b>Silver Bow</b>	33,882	33,636	33,474	33,416	33,414	33,441	33,489	33,812	34,008	34,239	34,388	34,493	34,512	34,680
<b>Stillwater</b>	8,392	8,441	8,451	8,435	8,481	8,659	8,867	8,945	9,077	9,111	9,162	9,195	9,310	9,290
<b>Sweet Grass</b>	3,594	3,617	3,591	3,676	3,675	3,697	3,778	3,755	3,731	3,613	3,583	3,587	3,662	3,665
<b>Teton</b>	6,373	6,286	6,314	6,209	6,105	6,110	6,143	6,143	6,050	6,078	6,084	6,072	6,075	6,064
<b>Toole</b>	5,228	5,184	5,006	5,069	5,130	5,085	4,969	5,079	5,245	5,342	5,170	5,231	5,149	5,150
<b>Treasure</b>	836	793	784	799	766	759	748	754	720	719	720	730	699	692
<b>Valley</b>	7,587	7,512	7,427	7,422	7,367	7,272	7,332	7,415	7,349	7,367	7,472	7,494	7,619	7,640
<b>Wheatland</b>	2,174	2,193	2,131	2,113	2,086	2,035	2,080	2,151	2,158	2,158	2,139	2,099	2,131	2,102
<b>Wibaux</b>	1,032	1,028	1,020	1,019	995	984	1,014	986	1,030	1,006	990	1,057	1,126	1,121
<b>Yellowstone</b>	130,801	132,165	133,715	135,441	137,623	139,582	141,518	144,255	146,465	148,398	149,845	151,888	154,060	155,634

Source: National Center for Health Statistics. Bridged-race intercensal estimates of the July 1, 1990-July 1, 1999; July 1, 2000-July 1, 2009. Postcensal estimates of the resident population of the United States for July 1, 2010-July 1, 2014. United States resident population by year, county, single-year of age, sex, bridged race, and Hispanic origin, prepared by the U.S. Census Bureau with support from the National Cancer Institute. Available on the Internet at: <http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm> as of April 24, 2004; Oct 26, 2012; June 30, 2015

**Table B-1  
Frequency and Percent\* Distribution of Live Births  
by Infant's Sex, Plurality, and Parity  
Montana Residents, 2006-2014**

Item		2006		2007		2008		2009		2010		2011		2012		2013		2014	
		Num.	Percent																
<b>Montana Total</b>		<b>12,499</b>	<b>100.0%</b>	<b>12,437</b>	<b>100.0%</b>	<b>12,595</b>	<b>100.0%</b>	<b>12,280</b>	<b>100.0%</b>	<b>12,058</b>	<b>100.0%</b>	<b>12,039</b>	<b>100.0%</b>	<b>12,052</b>	<b>100.0%</b>	<b>12,351</b>	<b>100.0%</b>	<b>12,431</b>	<b>100.0%</b>
<b>Sex</b>	<b>Male</b>	6,444	51.5%	6,366	51.1%	6,463	51.3%	6,265	51.0%	6,124	50.7%	6,097	50.6%	6,159	51.1%	6,346	51.3%	6,322	50.8%
	<b>Female</b>	6,055	48.4%	6,071	48.8%	6,132	48.6%	6,015	48.9%	5,933	49.2%	5,942	49.3%	5,893	48.8%	6,004	48.6%	6,109	49.1%
	<b>Unknown</b>	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1	0.0%	0	0.0%	0	0.0%	1	0.0%	0	0.0%
<b>Plurality</b>	<b>Single</b>	12,092	96.7%	12,034	96.7%	12,203	96.8%	11,903	96.9%	11,691	96.9%	11,671	96.9%	11,664	96.7%	11,979	96.9%	12,002	96.5%
	<b>Twins</b>	388	3.1%	397	3.1%	370	2.9%	369	3.0%	358	2.9%	358	2.9%	372	3.0%	359	2.9%	420	3.3%
	<b>Triplets Or More</b>	16	0.1%	6	0.0%	15	0.1%	3	0.0%	7	0.0%	10	0.0%	16	0.1%	12	0.0%	8	0.0%
	<b>Not Stated</b>	3	0.0%	0	0.0%	7	0.0%	5	0.0%	2	0.0%	0	0.0%	0	0.0%	1	0.0%	1	0.0%
<b>Parity</b>	<b>First Birth</b>	4,934	39.4%	4,952	39.8%	5,102	40.5%	4,906	39.9%	4,702	38.9%	4,616	38.3%	4,661	38.6%	4,647	37.6%	4,619	37.1%
	<b>Second Birth</b>	3,724	29.7%	3,695	29.7%	3,858	30.6%	3,765	30.6%	3,771	31.2%	3,779	31.3%	3,666	30.4%	3,803	30.7%	3,825	30.7%
	<b>Third Birth</b>	2,150	17.2%	2,115	17.0%	2,020	16.0%	2,047	16.6%	2,014	16.7%	2,004	16.6%	2,051	17.0%	2,145	17.3%	2,160	17.3%
	<b>Fourth Birth</b>	984	7.8%	961	7.7%	892	7.0%	912	7.4%	865	7.1%	916	7.6%	959	7.9%	975	7.8%	1,020	8.2%
	<b>Fifth Birth</b>	391	3.1%	378	3.0%	389	3.0%	339	2.7%	398	3.3%	409	3.3%	379	3.1%	430	3.4%	438	3.5%
	<b>Sixth Birth</b>	164	1.3%	167	1.3%	139	1.1%	154	1.2%	140	1.1%	155	1.2%	176	1.4%	193	1.5%	169	1.3%
	<b>Seventh Birth</b>	71	0.5%	79	0.6%	91	0.7%	66	0.5%	68	0.5%	72	0.5%	65	0.5%	78	0.6%	99	0.7%
	<b>Eighth Birth</b>	33	0.2%	43	0.3%	29	0.2%	20	0.1%	40	0.3%	35	0.2%	43	0.3%	33	0.2%	40	0.3%
	<b>Ninth Or More</b>	41	0.3%	40	0.3%	42	0.3%	38	0.3%	40	0.3%	43	0.3%	36	0.2%	42	0.3%	53	0.4%
	<b>Not Stated</b>	7	0.0%	7	0.0%	33	0.2%	33	0.2%	20	0.1%	10	0.0%	16	0.1%	5	0.0%	8	0.0%

\* Each percentage has been independently rounded to the nearest tenth of one percent. Hence, the sums of parts may differ slightly from the totals.

**Table B-2**  
**Frequency and Percent Distribution of Live Births**  
**by Type of Facility and Attendant by Year**  
**Montana Occurrences, 1989-2014**

Year	Total	BOA* And In Hospital		Physician Not In Hospital**		Other Not In Hospital	
		Number	Percent	Number	Percent	Number	Percent
2014	12,397	11,909	96.06%	3	0.02%	485	3.91%
2013	12,326	11,768	95.47%	4	0.03%	554	4.49%
2012	12,071	11,594	96.04%	7	0.05%	470	3.89%
2011	12,017	11,554	96.14%	0	0.00%	463	3.85%
2010	12,065	11,646	96.52%	1	0.00%	418	3.46%
2009	12,204	11,753	96.30%	4	0.03%	447	3.66%
2008	12,551	12,073	96.19%	13	0.10%	465	3.70%
2007	12,401	11,958	96.42%	11	0.08%	432	3.48%
2006	12,488	12,102	96.90%	12	0.09%	374	2.99%
2005	11,556	11,263	97.46%	2	0.01%	291	2.51%
2004	11,526	11,262	97.70%	2	0.01%	262	2.27%
2003	11,418	11,139	97.55%	2	0.01%	277	2.42%
2002	11,019	10,763	97.67%	3	0.02%	253	2.29%
2001	10,935	10,657	97.45%	4	0.03%	274	2.50%
2000	10,929	10,638	97.33%	1	0.00%	290	2.65%
1999	10,746	10,438	97.13%	5	0.04%	303	2.81%
1998	10,741	10,433	97.13%	5	0.04%	303	2.82%
1997	10,729	10,420	97.11%	14	0.13%	295	2.74%
1996	10,790	10,449	96.83%	9	0.08%	332	3.07%
1995	11,049	10,693	96.77%	12	0.10%	344	3.11%
1994	10,968	10,624	96.86%	7	0.06%	337	3.07%
1993	11,177	10,866	97.21%	8	0.07%	303	2.71%
1992	11,239	10,883	96.83%	18	0.16%	338	3.00%
1991	11,294	10,941	96.87%	19	0.16%	334	2.95%
1990	11,400	11,118	97.52%	14	0.12%	268	2.35%
1989	11,432	11,149	97.52%	14	0.12%	269	2.35%

\* Born On Arrival

\*\* Newborn was delivered by a medical doctor or osteopath not in a hospital.

**Table B-3**  
**Frequency and Percent\* Distribution of Live Births**  
**by Birth Weight and Year**  
**Montana Residents, 1989-2014**

Year	Total	Less Than 1,000 Grams		1,000 - 1,499 Grams		1,500 - 2,499 Grams		2,500 - 3,999 Grams		4,000 Grams or More		Not Stated	
	Number	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
2014	12,431	62	0.4%	93	0.7%	768	6.1%	10,502	84.4%	1,004	8.0%	2	0.0%
2013	12,351	44	0.3%	68	0.5%	800	6.4%	10,450	84.6%	983	7.9%	6	0.0%
2012	12,052	62	0.5%	67	0.5%	752	6.2%	10,220	84.7%	945	7.8%	6	0.0%
2011	12,039	56	0.4%	63	0.5%	747	6.2%	10,280	85.3%	886	7.3%	7	0.0%
2010	12,058	75	0.6%	79	0.6%	747	6.1%	10,261	85.0%	890	7.3%	6	0.0%
2009	12,280	49	0.3%	78	0.6%	743	6.0%	10,409	84.7%	992	8.0%	9	0.0%
2008	12,595	65	0.5%	79	0.6%	787	6.2%	10,671	84.7%	989	7.8%	4	0.0%
2007	12,437	75	0.6%	69	0.5%	751	6.0%	10,492	84.3%	1,048	8.4%	2	0.0%
2006	12,499	57	0.4%	92	0.7%	762	6.0%	10,593	84.7%	991	7.9%	4	0.0%
2005	11,573	60	0.5%	54	0.4%	658	5.6%	9,898	85.5%	897	7.7%	6	0.0%
2004	11,514	61	0.5%	66	0.5%	754	6.5%	9,660	83.8%	966	8.3%	7	0.0%
2003	11,384	63	0.5%	55	0.4%	649	5.7%	9,654	84.8%	953	8.3%	10	0.0%
2002	11,045	65	0.5%	60	0.5%	633	5.7%	9,299	84.1%	984	8.9%	4	0.0%
2001	10,947	63	0.5%	64	0.5%	629	5.7%	9,206	84.0%	978	8.9%	7	0.0%
2000	10,946	57	0.5%	54	0.4%	567	5.1%	9,167	83.7%	1,091	9.9%	10	0.0%
1999	10,778	46	0.4%	74	0.6%	616	5.7%	8,918	82.7%	1,119	10.3%	5	0.0%
1998	10,789	51	0.4%	63	0.5%	639	5.9%	9,022	83.6%	1,011	9.3%	3	0.0%
1997	10,838	51	0.4%	61	0.5%	574	5.2%	9,064	83.6%	1,083	9.9%	5	0.0%
1996	10,840	52	0.4%	69	0.6%	573	5.2%	8,986	82.8%	1,151	10.6%	9	0.0%
1995	11,136	54	0.4%	56	0.5%	542	4.8%	9,345	83.9%	1,135	10.1%	4	0.0%
1994	11,062	40	0.3%	56	0.5%	594	5.3%	9,245	83.5%	1,119	10.1%	8	0.0%
1993	11,362	44	0.3%	50	0.4%	587	5.1%	9,538	83.9%	1,137	10.0%	6	0.0%
1992	11,468	37	0.3%	45	0.3%	599	5.2%	9,601	83.7%	1,184	10.3%	2	0.0%
1991	11,498	49	0.4%	36	0.3%	552	4.8%	9,699	84.3%	1,159	10.0%	3	0.0%
1990	11,602	53	0.4%	66	0.5%	593	5.1%	9,714	83.7%	1,172	10.1%	4	0.0%
1989	11,667	47	0.4%	44	0.3%	553	4.7%	9,821	84.1%	1,193	10.2%	9	0.0%

\* Each percentage has been independently rounded to the nearest tenth of one percent. Hence, the sums of parts may differ slightly from the totals.

**Table B-4**  
**Frequency and Percent Distribution of Live Births**  
**by Completed Weeks of Gestation\* and Year**  
**Montana Residents, 1989-2014**

Year	Total	27 or Fewer Weeks		28 - 31 Weeks		32 - 36 Weeks		37 - 39 Weeks		40 - 41 Weeks		42 or More Weeks		Not Stated	
	Number	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
2014	12,431	63	0.5%	107	0.8%	986	7.9%	7,478	60.1%	3,713	29.8%	67	0.5%	17	0.1%
2013	12,351	57	0.4%	91	0.7%	961	7.7%	7,352	59.5%	3,792	30.7%	76	0.6%	22	0.1%
2012	12,052	70	0.5%	94	0.7%	958	7.9%	7,155	59.3%	3,692	30.6%	65	0.5%	18	0.1%
2011	12,039	55	0.4%	88	0.7%	921	7.6%	7,162	59.4%	3,723	30.9%	73	0.6%	17	0.1%
2010	12,058	87	0.7%	102	0.8%	1,032	8.5%	7,075	58.6%	3,665	30.3%	78	0.6%	19	0.1%
2009	12,280	61	0.4%	92	0.7%	952	7.7%	7,206	58.6%	3,881	31.6%	58	0.4%	30	0.2%
2008	12,595	87	0.6%	94	0.7%	1,062	8.4%	7,422	58.9%	3,794	30.1%	87	0.6%	49	0.3%
2007	12,437	86	0.6%	114	0.9%	1,045	8.4%	7,192	57.8%	3,885	31.2%	88	0.7%	27	0.2%
2006	12,499	67	0.5%	117	0.9%	1,099	8.7%	7,091	56.7%	4,012	32.0%	97	0.7%	16	0.1%
2005	11,573	60	0.5%	72	0.6%	958	8.2%	6,438	55.6%	3,928	33.9%	96	0.8%	21	0.1%
2004	11,514	59	0.5%	90	0.7%	1,004	8.7%	6,296	54.6%	3,979	34.5%	63	0.5%	23	0.1%
2003	11,384	57	0.5%	102	0.8%	911	8.0%	6,000	52.7%	4,196	36.8%	95	0.8%	23	0.2%
2002	11,045	63	0.5%	94	0.8%	869	7.8%	5,750	52.0%	4,143	37.5%	105	0.9%	21	0.1%
2001	10,947	57	0.5%	86	0.7%	856	7.8%	5,560	50.7%	4,234	38.6%	124	1.1%	30	0.2%
2000	10,946	44	0.4%	86	0.7%	806	7.3%	5,384	49.1%	4,445	40.6%	152	1.3%	29	0.2%
1999	10,778	52	0.4%	96	0.8%	808	7.4%	4,958	46.0%	4,620	42.8%	210	1.9%	34	0.3%
1998	10,789	53	0.4%	87	0.8%	792	7.3%	4,803	44.5%	4,795	44.4%	235	2.1%	24	0.2%
1997	10,838	55	0.5%	72	0.6%	726	6.6%	4,764	43.9%	4,932	45.5%	257	2.3%	32	0.2%
1996	10,840	58	0.5%	74	0.6%	737	6.7%	4,658	42.9%	5,071	46.7%	222	2.0%	20	0.1%
1995	11,136	55	0.4%	71	0.6%	704	6.3%	4,747	42.6%	5,283	47.4%	245	2.2%	31	0.2%
1994	11,062	37	0.3%	79	0.7%	697	6.3%	4,604	41.6%	5,311	48.0%	303	2.7%	31	0.2%
1993	11,362	42	0.3%	55	0.4%	695	6.1%	4,607	40.5%	5,612	49.3%	308	2.7%	43	0.3%
1992	11,468	41	0.3%	67	0.5%	666	5.8%	4,552	39.6%	5,770	50.3%	350	3.0%	22	0.1%
1991	11,498	38	0.3%	79	0.6%	627	5.4%	4,102	35.6%	6,226	54.1%	409	3.5%	17	0.1%
1990	11,602	50	0.4%	89	0.7%	640	5.5%	3,971	34.2%	6,381	54.9%	456	3.9%	15	0.1%
1989	11,667	43	0.3%	52	0.4%	633	5.4%	4,091	35.0%	6,272	53.7%	551	4.7%	25	0.2%

\* Clinical estimate of completed weeks of gestational age.

**Table B-5  
Frequency of Live Births  
by Month Prenatal Care Began\* and Year  
Montana Residents, 1989-2014**

Year	Total	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	No Care	Not Stated
2014	12,431	305	3,492	4,942	1,532	737	441	327	247	146	21	133	108
2013	12,351	296	3,531	4,821	1,519	711	451	330	279	128	30	120	135
2012	12,052	320	3,549	4,856	1,398	632	386	299	227	108	20	89	168
2011	12,039	323	3,545	4,866	1,395	733	387	254	180	98	18	108	132
2010	12,058	351	3,662	4,632	1,360	753	392	259	137	62	13	104	333
2009	12,280	322	3,322	4,417	1,333	655	362	262	163	90	17	86	1,251
2008	12,595	456	3,759	4,439	1,457	653	401	247	190	87	16	98	792
2007	12,437	1,500	5,768	2,945	882	430	262	157	96	37	0	75	285
2006	12,499	1,586	5,645	3,071	920	477	224	171	97	43	0	66	199
2005	11,573	1,361	5,348	2,907	859	433	230	134	62	32	0	72	135
2004	11,514	1,462	5,178	2,873	854	463	268	138	97	25	0	69	87
2003	11,384	1,436	5,269	2,866	811	424	221	123	91	33	0	56	54
2002	11,045	1,300	5,023	2,867	858	397	232	127	80	35	0	61	65
2001	10,947	1,302	5,027	2,686	863	460	229	144	94	24	0	71	47
2000	10,946	1,405	4,997	2,661	819	439	217	160	74	34	0	70	70
1999	10,778	1,524	4,876	2,605	778	404	229	139	89	22	0	72	40
1998	10,789	1,389	4,836	2,617	865	421	266	150	103	75	0	67	0
1997	10,838	1,615	4,704	2,581	836	425	216	180	94	95	0	92	0
1996	10,840	1,670	4,802	2,445	848	431	248	164	78	31	0	71	52
1995	11,136	1,741	4,736	2,567	949	444	269	153	104	63	0	75	35
1994	11,062	1,804	4,751	2,417	958	450	244	162	88	53	0	78	57
1993	11,362	1,696	4,718	2,677	1,000	472	314	202	121	31	0	68	63
1992	11,468	1,586	4,621	2,707	1,074	581	355	222	132	43	0	81	66
1991	11,498	1,526	4,555	2,776	1,105	590	363	221	143	46	0	86	87
1990	11,602	1,545	4,537	2,720	1,119	616	398	279	140	61	0	109	78
1989	11,667	1,466	4,626	2,848	1,090	625	361	267	148	50	0	103	83

\* Month prenatal care began is now calculated, beginning with the revision of the birth certificate in 2008; it is not strictly comparable to the reported figure on the prior revisions of the certificate.

**Table D-1  
Frequency of Death by Sex, Age and 358 Selected Underlying Causes  
Montana Residents, 2014**

Cause Of Death*	Age In Years																							
	All Ages			0 YR.		1 YR.		2-4		5-9		10-14		15-17		18-19		20-24		25-29		30-34		
	Both	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	
<b>All Causes</b>	9,345	4,823	4,522	41	27	3	1	5	3	2	1	10	6	15	5	15	4	52	20	42	24	49	26	
<b>I. Certain infectious and parasitic diseases</b>	190	100	90	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1	0
<b>Intestinal infectious diseases</b>	34	12	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Other intestinal infectious diseases</b>	23	9	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>(3) Paratyphoid fevers and other salmonella infections</b>	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>(7) Intestinal infections due to other specified organisms</b>	22	9	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>(8) Diarrhea and gastroenteritis of infectious origin</b>	11	3	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Tuberculosis</b>	4	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>(9) Respiratory tuberculosis</b>	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>(10) Other tuberculosis</b>	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Zoonotic and other bacterial diseases</b>	103	52	51	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1	0
<b>(15) Whooping cough</b>	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
<b>(18) Septicemia</b>	98	50	48	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0
<b>(19) Other zoonotic and bacterial diseases</b>	4	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Viral diseases</b>	40	28	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>(33) Herpesviral (herpes simplex) infections</b>	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>(34) Zoster (herpes zoster)</b>	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>(38) Viral hepatitis</b>	22	18	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Human immunodeficiency virus (HIV) disease</b>	6	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>(39) Human immunodeficiency virus (HIV) disease resulting in infectious and parasitic diseases</b>	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>(42) Human immunodeficiency virus (HIV) disease resulting in other conditions</b>	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>(43) Unspecified human immunodeficiency virus (HIV) disease</b>	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>(44) All other and unspecified viral diseases</b>	7	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Other and unspecified infectious and parasitic diseases and their sequelae</b>	9	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>(45) Mycoses</b>	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>(54) Sequelae of poliomyelitis</b>	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>(55) All other and unspecified infectious and parasitic diseases and their sequelae</b>	4	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>II. Neoplasms</b>	2,102	1,104	998	0	0	0	0	0	0	0	0	2	2	1	0	1	0	1	1	3	3	5	1	
<b>Malignant neoplasms</b>	2,054	1,079	975	0	0	0	0	0	0	0	0	1	2	1	0	1	0	1	3	3	5	1		
<b>Malignant neoplasms of lip, oral cavity and pharynx</b>	40	28	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>(56) Of lip</b>	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>(57) Of tongue</b>	12	7	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>(58) Of pharynx</b>	13	10	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>(59) Of other and unspecified sites within the lip, oral cavity and pharynx</b>	14	10	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Malignant neoplasms of digestive organs</b>	491	278	213	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	1	
<b>(60) Of esophagus</b>	62	50	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>(61) Of stomach</b>	25	15	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<b>(62) Of small intestine</b>	5	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Of colon, rectum and anus</b>	189	104	85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	
<b>(63) Colon</b>	150	84	66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	
<b>(64) Rectosigmoid junction and rectum</b>	38	20	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>(65) Anus and anal canal</b>	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Of liver and intrahepatic bile ducts</b>	65	41	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	

\* Line numbers shown in parentheses on this table correspond to categories and code ranges in the table at <http://dphhs.mt.gov/Portals/85/publichealth/documents/Epidemiology/VSU/List%20of%20358%20Selected%20Causes%20of%20Death.pdf>

**Table D-1**  
**Frequency of Death by Sex, Age and 358 Selected Underlying Causes**  
**Montana Residents, 2014**

Cause Of Death*	All Ages			Age In Years																		
				0 YR.		1 YR.		2-4		5-9		10-14		15-17		18-19		20-24		25-29		30-34
	Both	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	
(66) Liver	51	35	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(67) Intrahepatic bile duct carcinoma	14	6	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(68) Of gallbladder and extrahepatic bile ducts	13	4	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(69) Of pancreas	128	60	68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(70) Of other and ill-defined digestive organs	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malignant neoplasms of respiratory and intrathoracic organs	567	282	285	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0
(71) Of nasal cavity, middle ear and accessory sinuses	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(72) Of larynx	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(73) Of trachea, bronchus and lung	556	273	283	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0
(74) Of thymus, heart, mediastinum and pleura	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(76) Malignant neoplasms of bone and articular cartilage	4	2	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0
Melanoma and other malignant neoplasms of skin	50	39	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(77) Malignant melanoma of skin	38	29	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(78) Other malignant neoplasms of skin	12	10	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malignant neoplasms of mesothelial and soft tissue	34	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
(79) Mesothelioma	9	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(81) Of other mesothelial and soft tissue	25	10	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
(82) Malignant neoplasm of breast	135	0	135	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Malignant neoplasms of female genital organs	79	0	79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(83) Of vulva and vagina	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(84) Of cervix uteri	7	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(85) Of corpus uteri and uterus, part unspecified	28	0	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(86) Of ovary	42	0	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(87) Of other and unspecified female genital organs	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malignant neoplasms of male genital organs	124	124	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
(89) Of prostate	121	121	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(90) Of testis	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
(91) Of penis and other and unspecified male genital organs	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malignant neoplasms of urinary tract	113	78	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(92) Of kidney and renal pelvis	47	35	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(93) Of bladder	62	42	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(94) Of other and unspecified sites within the urinary tract	3	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(95) Malignant neoplasm of eye and adnexa	5	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malignant neoplasms of meninges, brain and other parts of central nervous system	61	33	28	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2	0	0
(96) Of brain	61	33	28	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2	0	0
(98) Malignant neoplasms of thyroid and other endocrine glands	5	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(99) Other malignant neoplasms of other and unspecified sites	162	90	72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Malignant neoplasms of lymphoid, hematopoietic and related tissue	183	101	82	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0	0	0	0
(100) Hodgkin 's disease	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Of other lymphoid, hematopoietic and related tissue	76	45	31	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
(101) Non-Hodgkin 's lymphoma	76	45	31	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
(103) Malignant immunoproliferative diseases	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(104) Multiple myeloma and malignant plasma cell neoplasms	39	17	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leukemia	65	36	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
(105) Lymphoid leukemia	17	8	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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**Table D-1  
Frequency of Death by Sex, Age and 358 Selected Underlying Causes  
Montana Residents, 2014**

Cause Of Death*	All Ages			Age In Years																			
				0 YR.		1 YR.		2-4		5-9		10-14		15-17		18-19		20-24		25-29		30-34	
	Both	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.		
(106) Myeloid leukemia	31	18	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
(107) Monocytic leukemia	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(108) Other and unspecified leukemia	16	9	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Benign neoplasms	5	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(112) Of eye, brain and other parts of central nervous system	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(113) Of other and unspecified sites	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(114) Neoplasms of uncertain or unknown behavior of specified sites	39	20	19	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
(115) Neoplasm of uncertain or unknown behavior of unspecified sites	4	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
III. Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism	36	19	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anemias	15	9	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(116) Nutritional anemias	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(118) Aplastic anemias	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(119) Acute posthemorrhagic and other anemias	12	8	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(120) Coagulation defects, purpura and other hemorrhagic conditions	11	6	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(121) Other diseases of blood and blood-forming organs	6	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(122) Certain disorders involving the immune mechanism	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IV. Endocrine, nutritional and metabolic diseases	376	193	183	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	2
Endocrine diseases	266	144	122	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
(123) Disorders of thyroid gland	11	4	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(124) Diabetes mellitus	250	139	111	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
(125) Disorders of pituitary gland	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(126) Disorders of adrenal glands	3	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(128) Other endocrine diseases	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Nutritional diseases	41	17	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Malnutrition	16	4	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(129) Nutritional marasmus	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(130) Other and unspecified malnutrition	15	4	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(132) Obesity and other hyperalimentation	25	13	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Metabolic disorders	69	32	37	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
(133) Cystic fibrosis	3	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(134) Volume depletion, disorders of fluid, electrolyte and acid-base balance	14	8	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(135) Other metabolic disorders	52	23	29	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
V. Mental and behavioral disorders	644	255	389	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	6	1
(136) Organic dementia	548	188	360	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
(137) Other and unspecified organic mental disorders	5	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mental and behavioral disorders due to psychoactive substance use	84	62	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	6	1	
(138) Mental and behavioral disorders due to use of alcohol	63	46	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
(139) Mental and behavioral disorders due to other psychoactive substance use	21	16	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	5	1	
(140) Schizophrenia, schizotypal and delusional disorders	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(141) Mood (affective) disorders	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(142) Neurotic, stress-related and somatoform disorders	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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**Table D-1  
Frequency of Death by Sex, Age and 358 Selected Underlying Causes  
Montana Residents, 2014**

Cause Of Death*	All Ages			Age In Years																		
				0 YR.		1 YR.		2-4		5-9		10-14		15-17		18-19		20-24		25-29		30-34
	Both	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	
(144) Other and unspecified mental and behavioral disorders	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VI. Diseases of the nervous system	506	235	271	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	3	0	0
(145) Meningitis	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(146) Other inflammatory diseases of central nervous system	5	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(147) Parkinson 's disease	81	52	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(148) Alzheimer 's disease	251	92	159	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(149) Multiple sclerosis	29	10	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(150) Epilepsy	8	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
(151) Transient cerebral ischemic attacks and related syndromes	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(152) Infantile cerebral palsy	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(153) All other diseases of nervous system	126	71	55	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	1	0	0
IX. Diseases of the circulatory system	2,592	1,342	1,250	1	2	0	0	0	0	0	0	0	0	0	1	0	2	1	2	0	1	5
Acute rheumatic fever and chronic rheumatic heart diseases	23	6	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(156) Acute rheumatic fever	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic rheumatic heart diseases	22	6	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(157) Rheumatic mitral valve diseases	11	1	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(158) Rheumatic aortic valve diseases	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(159) Disorders of both mitral and aortic valves	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(160) Other chronic rheumatic heart diseases	7	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hypertensive diseases	122	62	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(161) Essential (primary) hypertension	37	14	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(162) Hypertensive heart disease	49	30	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(163) Hypertensive renal disease and secondary hypertension	27	11	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(164) Hypertensive heart and renal disease	9	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ischemic heart diseases	1,094	687	407	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	1
(165) Acute myocardial infarction	199	116	83	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(166) Other acute ischemic heart diseases	10	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other forms of chronic ischemic heart disease	885	566	319	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	1
(167) Atherosclerotic cardiovascular disease, so described	433	274	159	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
(168) All other forms of chronic ischemic heart disease	452	292	160	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Other heart diseases	767	330	437	1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	1	1	1
Pulmonary heart disease and diseases of pulmonary circulation	58	22	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
(169) Pulmonary embolism	25	12	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
(170) Other pulmonary heart disease and diseases of pulmonary circulation	33	10	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other non-pulmonary forms of heart disease	709	308	401	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	1
(171) Acute and subacute endocarditis	3	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(172) Diseases of pericardium and acute myocarditis	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other diseases of endocardium	118	45	73	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(173) Nonrheumatic mitral valve disorders	11	4	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(174) Nonrheumatic aortic valve disorders	74	25	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(175) All other diseases of endocardium	33	16	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(176) Cardiomyopathy	38	26	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(177) Conduction disorders and cardiac dysrhythmias	169	71	98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Heart failure	324	135	189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
(178) Congestive heart failure	278	115	163	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0

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Frequency of Death by Sex, Age and 358 Selected Underlying Causes  
Montana Residents, 2014**

Cause Of Death*	Age In Years																						
	All Ages			0 YR.		1 YR.		2-4		5-9		10-14		15-17		18-19		20-24		25-29		30-34	
	Both	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
(179) Other and unspecified heart failure	46	20	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(180) Myocarditis, unspecified and myocardial degeneration	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(181) All other and ill-defined forms of heart disease	53	28	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cerebrovascular diseases	476	195	281	0	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	3
(182) Subarachnoid hemorrhage	15	3	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(183) Intracerebral and other intracranial hemorrhage	92	42	50	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
(184) Cerebral infarction	19	10	9	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(185) Stroke, not specified as hemorrhage or infarction	268	107	161	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
(186) Other cerebrovascular diseases and their sequelae	82	33	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diseases of arteries, arterioles and capillaries	96	55	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(187) Atherosclerosis	20	9	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(188) Aortic aneurysm and dissection	42	25	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(189) Other diseases of arteries, arterioles and capillaries	34	21	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other disorders of circulatory system	14	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(190) Phlebitis, thrombophlebitis, venous embolism and thrombosis	6	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(191) All other and unspecified disorders of circulatory system	8	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
X. Diseases of the respiratory system	1,063	529	534	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2
Other diseases of the respiratory system	1,063	529	534	1	1	0	1	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2
(195) Influenza	11	5	6	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pneumonia	168	73	95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(196) Viral pneumonia, not elsewhere classified	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(197) Bacterial pneumonia	10	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(198) Pneumonia due to other or unspecified organisms	156	65	91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(201) Other diseases of upper respiratory tract	4	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic lower respiratory diseases	667	323	344	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Bronchitis, chronic and unspecified, emphysema and asthma	665	322	343	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
(202) Bronchitis, not specified as acute or chronic	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(203) Chronic bronchitis	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(204) Emphysema	42	22	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(205) Other chronic obstructive pulmonary disease	613	297	316	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
(206) Asthma	8	2	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(207) Bronchiectasis	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lung diseases due to external agents	82	50	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(208) Pneumoconioses and chemical effects	14	13	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pneumonitis due to solids and liquids	66	36	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(209) Pneumonitis due to food and vomit	66	36	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(211) Other lung diseases due to external agents	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(212) Suppurative and necrotic conditions of lower respiratory tract	4	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(213) Pleural effusion and plaque	6	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(214) All other diseases of respiratory system	121	70	51	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
XI. Diseases of the digestive system	441	231	210	1	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	1
(215) Diseases of oral cavity, salivary glands and jaws	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diseases of other parts of digestive system	440	231	209	1	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	1
(216) Diseases of esophagus	7	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peptic ulcer	14	9	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

\* Line numbers shown in parentheses on this table correspond to categories and code ranges in the table at <http://dphhs.mt.gov/Portals/85/publichealth/documents/Epidemiology/VSU/List%20of%20358%20Selected%20Causes%20of%20Death.pdf>

**Table D-1  
Frequency of Death by Sex, Age and 358 Selected Underlying Causes  
Montana Residents, 2014**

Cause Of Death*	All Ages			Age In Years																		
				0 YR.		1 YR.		2-4		5-9		10-14		15-17		18-19		20-24		25-29		30-34
	Both	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	
(217) Gastric ulcer	5	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(218) Duodenal ulcer	8	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(219) Peptic ulcer, site unspecified	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(221) Gastritis and duodenitis	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(222) Dyspepsia and other diseases of stomach and duodenum	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(224) Hernia	9	5	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(225) Crohn 's disease and ulcerative colitis	6	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(226) Vascular disorders and obstruction of intestine without hernia	58	24	34	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
(227) Diverticular disease of intestine	10	2	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(228) Other diseases of intestines and peritoneum	15	10	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(229) Diseases of peritoneum	10	5	5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diseases of liver	215	122	93	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1
(230) Alcoholic liver disease	82	55	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
(232) Fibrosis and cirrhosis of liver	70	37	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(233) Other diseases of liver	63	30	33	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(234) Cholelithiasis and other disorders of gallbladder	15	6	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Disorders of biliary tract and pancreas	30	16	14	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
(235) Pancreatitis	19	9	10	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
(236) Other disorders of biliary tract and pancreas	11	7	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(237) All other diseases of digestive system	48	20	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
XII. Diseases of the skin and subcutaneous tissue	22	11	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(238) Infections of skin and subcutaneous tissue	11	7	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(239) Other and unspecified diseases of skin and subcutaneous tissue	11	4	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
XIII. Diseases of the musculoskeletal system and connective tissue	77	33	44	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0
(240) Rheumatoid arthritis and related inflammatory polyarthropathies	20	9	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
(241) Systemic lupus erythematosus	3	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(242) Other arthropathies and related disorders	23	9	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(243) Dorsopathies	8	3	5	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
(244) Soft tissue disorders	5	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Osteopathies, chondropathies and other disorders of musculoskeletal system and connective tissue	18	8	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(245) Osteoporosis	8	1	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(246) Other osteopathies, chondropathies and disorders of musculoskeletal system and connective tissue	10	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
XIV. Diseases of the genitourinary system	181	89	92	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Diseases of urinary system	175	84	91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Glomerular and renal tubulo-interstitial diseases	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glomerular diseases	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(249) Other and unspecified glomerular diseases	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(250) Renal tubulo-interstitial diseases	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(251) Renal failure	124	65	59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
(252) Urolithiasis	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(254) Urinary tract infection, site not specified	40	12	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(255) Other diseases of urinary system	5	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

\* Line numbers shown in parentheses on this table correspond to categories and code ranges in the table at <http://dphhs.mt.gov/Portals/85/publichealth/documents/Epidemiology/VSU/List%20of%20358%20Selected%20Causes%20of%20Death.pdf>

**Table D-1  
Frequency of Death by Sex, Age and 358 Selected Underlying Causes  
Montana Residents, 2014**

Cause Of Death*	All Ages			Age In Years																		
				0 YR.		1 YR.		2-4		5-9		10-14		15-17		18-19		20-24		25-29		30-34
	Both	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	
Diseases of male genital organs	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(256) Hyperplasia of prostate	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Disorders of female genital organs	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(260) Noninflammatory disorders of female genital tract	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
XV. Pregnancy, childbirth and the puerperium	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Other direct obstetric deaths	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
(270) All other direct obstetric causes	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
(272) Other deaths related to pregnancy, childbirth and the puerperium	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
XVI. Certain conditions originating in the perinatal period	29	18	11	17	11	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
(274) Newborn affected by maternal factors and by complications of pregnancy, labor and delivery	10	4	6	4	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(275) Disorders related to short gestation and low birth weight, not elsewhere classified	10	8	2	8	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(278) Respiratory distress of newborn	2	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(279) Other respiratory conditions originating in the perinatal period	3	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(280) Infections specific to the perinatal period	2	2	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
(281) Other and unspecified conditions originating in the perinatal period	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
XVII. Congenital malformations, deformations and chromosomal abnormalities	27	16	11	8	5	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0
(284) All other congenital malformations of nervous system	2	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
(285) Congenital malformations of heart	6	6	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
(286) Other congenital malformations of circulatory system	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(288) Other congenital malformations and deformations	8	4	4	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(289) Down 's syndrome	5	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(290) All other chromosomal abnormalities, not elsewhere classified	5	3	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
XVIII. Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	147	60	87	11	4	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	1	0
(291) Senility	32	5	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ill-defined and unknown causes of mortality	56	29	27	10	4	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	1	0
(292) Sudden infant death syndrome	5	5	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(293) Other ill-defined and unknown causes of mortality	51	24	27	5	4	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	1	0
(294) All other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	59	26	33	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
XX. External causes of mortality	908	588	320	1	3	2	0	5	3	1	1	6	4	13	4	13	4	40	15	31	19	32
Accidents (unintentional injuries)	572	339	233	0	2	2	0	4	3	1	1	4	1	7	4	8	3	20	10	23	10	14
Transport accidents	209	140	69	0	0	1	0	4	3	0	1	2	0	7	3	6	3	14	8	17	5	8
(295) Railway accidents	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Motor vehicle accidents	196	130	66	0	0	1	0	3	3	0	1	2	0	7	3	6	3	14	8	17	5	7
(296) Pedestrian involved in collision with motor vehicle	9	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1
(297) Pedalcyclist involved in collision with motor vehicle	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
(298) Motorcyclist involved in any accident except collision with railway train	17	13	4	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	3	0	0	0
Motor vehicle accident involving collision with railway train	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Montana Residents, 2014**

Cause Of Death*	All Ages			Age In Years																		
				0 YR.		1 YR.		2-4		5-9		10-14		15-17		18-19		20-24		25-29		30-34
	Both	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	
(300) Other motor vehicle accident involving collision with railway train	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(301) Occupant of motor vehicle involved in collision with other (non-motorized) road vehicle, streetcar, animal or pedestrian	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(302) Occupant of car, pickup truck or van involved in collision with other motor vehicle	14	10	4	0	0	0	0	1	0	0	0	0	0	1	0	2	0	0	1	1	0	1
(303) Occupant of heavy transport vehicle or bus involved in collision with other motor vehicle	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
(304) Occupant of motor vehicle involved in noncollision accident	8	6	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	3	0	0	0
(305) Occupant of special-use motor vehicle involved in any accident	15	12	3	0	0	0	0	0	1	0	0	1	0	0	0	0	0	2	0	2	0	0
(306) Other and unspecified motor vehicle accidents	126	76	50	0	0	1	0	1	2	0	1	1	0	6	3	4	3	9	5	6	5	6
(308) Other and unspecified land transport accidents	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(309) Water transport accidents	3	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(310) Air and space transport accidents	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(311) Other and unspecified transport accidents and their sequelae	4	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Falls	149	75	74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0
(312) Fall on same level	84	42	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0
(313) Fall from one level to another	16	15	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0
(314) Unspecified fall	49	18	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(315) Accidental discharge of firearms	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(317) Accidental drowning and submersion	12	9	3	0	1	1	0	0	0	1	0	0	0	0	1	1	0	1	0	0	0	0
(318) Accidental inhalation and ingestion of food or other objects causing obstruction of respiratory tract	25	14	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(319) Other accidental and unspecified threats to breathing	3	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(322) Accidental exposure to smoke, fire and flames	11	5	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
(325) Earthquake, volcanic eruption, avalanche landslide and other earth movements	6	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
Accidental poisoning and exposure to noxious substances	90	50	40	0	0	0	0	0	0	0	0	1	1	0	0	1	0	3	2	2	4	3
(327) Accidental poisoning by and exposure to drugs and other biological substances	72	39	33	0	0	0	0	0	0	0	0	1	0	0	0	1	0	2	2	2	3	0
(328) Accidental poisoning by and exposure to other and unspecified solid or liquid substances	12	8	4	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0
(329) Accidental poisoning by and exposure to other gases and vapors	6	3	3	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
(330) All other and unspecified accidents and their sequelae	65	37	28	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	2	0
Intentional self-harm (suicide)	249	195	54	0	0	0	0	0	0	0	0	2	3	6	0	4	0	17	5	5	6	15
(331) Intentional self-poisoning (suicide) by and exposure to drugs and other biological substances	30	9	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	4
(332) Intentional self-poisoning (suicide) by and exposure to other and unspecified solid or liquid substances and their vapors	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(333) Intentional self-poisoning (suicide) by and exposure to other gases and vapors	7	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
(334) Intentional self-harm (suicide) by hanging, strangulation and suffocation	48	36	12	0	0	0	0	0	0	0	0	2	1	2	0	1	0	5	2	1	3	5
(335) Intentional self-harm (suicide) by discharge of firearms	148	130	18	0	0	0	0	0	0	0	0	0	2	4	0	3	0	10	1	4	0	9

\* Line numbers shown in parentheses on this table correspond to categories and code ranges in the table at <http://dphhs.mt.gov/Portals/85/publichealth/documents/Epidemiology/VSU/List%20of%20358%20Selected%20Causes%20of%20Death.pdf>

**Table D-1  
Frequency of Death by Sex, Age and 358 Selected Underlying Causes  
Montana Residents, 2014**

Cause Of Death*	All Ages			Age In Years																			
				0 YR.		1 YR.		2-4		5-9		10-14		15-17		18-19		20-24		25-29		30-34	
	Both	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
(336) Intentional self-harm (suicide) by jumping from a high place	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(337) Intentional self-harm (suicide) by all other and unspecified means and their sequelae	12	11	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0
Assault (homicide)	29	22	7	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2	0	1	2	1	0
(340) Assault (homicide) by discharge of firearms	14	10	4	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0
(341) Assault (homicide) by sharp object	7	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0
(342) Assault (homicide) by blunt object	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(346) Assault (homicide) by all other and unspecified means and their sequelae	6	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Event of undetermined intent	33	16	17	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	2	1
(347) Poisoning by and exposure to drugs and biological substances, undetermined intent	21	8	13	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	2	1
(349) Poisoning by and exposure to other gases and vapors, undetermined intent	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(350) Discharge of firearms, undetermined intent	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(352) All other and unspecified events of undetermined intent and their sequelae	9	5	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Legal intervention	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0
(354) Other legal intervention and their sequelae	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0
Complications of medical and surgical care	20	11	9	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(356) Drugs, medicaments and biological substances causing adverse effects in therapeutic use, and their sequelae	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(357) Misadventures to patients during medical and surgical care and their sequelae	2	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(358) Other complications of medical and surgical care and their sequelae	17	10	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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**Table D-1**  
**Frequency of Death by Sex, Age and 358 Selected Underlying Causes**  
**Montana Residents, 2014**

Cause Of Death*	Age In Years																					
	35-39		40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80-84		85+	
	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
<b>All Causes</b>	69	37	82	46	96	78	219	157	321	202	436	259	481	316	539	370	570	504	613	615	1,163	1,821
<b>I. Certain infectious and parasitic diseases</b>	2	0	2	1	2	1	5	4	14	6	10	7	7	8	10	9	10	10	15	9	20	35
<b>Intestinal infectious diseases</b>	0	0	0	0	0	0	1	0	2	1	0	1	0	1	1	1	2	1	1	3	5	14
<b>Other intestinal infectious diseases</b>	0	0	0	0	0	0	1	0	1	1	0	0	0	1	1	0	1	1	2	4	9	
<b>(3) Paratyphoid fevers and other salmonella infections</b>	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>(7) Intestinal infections due to other specified organisms</b>	0	0	0	0	0	0	1	0	1	0	0	0	0	1	1	0	1	1	2	4	9	
<b>(8) Diarrhea and gastroenteritis of infectious origin</b>	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	1	1	0	0	1	1	5
<b>Tuberculosis</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	1	0
<b>(9) Respiratory tuberculosis</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0
<b>(10) Other tuberculosis</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
<b>Zoonotic and other bacterial diseases</b>	1	0	0	1	0	1	1	3	3	4	7	3	3	3	8	6	5	6	11	5	10	19
<b>(15) Whooping cough</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>(18) Septicemia</b>	1	0	0	1	0	1	1	2	3	4	7	3	3	3	7	5	5	5	11	5	10	19
<b>(19) Other zoonotic and bacterial diseases</b>	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0
<b>Viral diseases</b>	1	0	1	0	2	0	3	1	8	1	3	3	4	3	1	1	2	1	1	0	2	2
<b>(33) Herpesviral (herpes simplex) infections</b>	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0	1	0	0	0	0	0	0
<b>(34) Zoster (herpes zoster)</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<b>(38) Viral hepatitis</b>	1	0	0	0	1	0	2	0	7	1	3	2	3	1	1	0	0	0	0	0	0	0
<b>Human immunodeficiency virus (HIV) disease</b>	0	0	1	0	1	0	1	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0
<b>(39) Human immunodeficiency virus (HIV) disease resulting in infectious and parasitic diseases</b>	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
<b>(42) Human immunodeficiency virus (HIV) disease resulting in other conditions</b>	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>(43) Unspecified human immunodeficiency virus (HIV) disease</b>	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
<b>(44) All other and unspecified viral diseases</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	0	1	2
<b>Other and unspecified infectious and parasitic diseases and their sequelae</b>	0	0	1	0	0	0	0	0	1	0	0	0	0	0	1	1	1	1	1	1	2	0
<b>(45) Mycoses</b>	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
<b>(54) Sequelae of poliomyelitis</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0
<b>(55) All other and unspecified infectious and parasitic diseases and their sequelae</b>	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	1	1	1	0
<b>II. Neoplasms</b>	8	7	10	8	8	14	42	40	92	67	122	100	151	126	174	144	168	153	134	136	182	196
<b>Malignant neoplasms</b>	8	7	9	8	8	13	42	40	91	66	121	99	150	125	170	142	163	152	130	132	176	184
<b>Malignant neoplasms of lip, oral cavity and pharynx</b>	1	0	1	0	0	0	3	1	4	3	5	0	6	0	4	3	2	1	2	1	0	3
<b>(56) Of lip</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
<b>(57) Of tongue</b>	0	0	1	0	0	0	1	0	0	1	1	0	2	0	1	1	0	1	1	0	0	2
<b>(58) Of pharynx</b>	0	0	0	0	0	0	1	0	2	2	3	0	1	0	2	1	1	0	0	0	0	0
<b>(59) Of other and unspecified sites within the lip, oral cavity and pharynx</b>	1	0	0	0	0	0	1	1	2	0	1	0	3	0	1	1	1	0	0	1	0	1
<b>Malignant neoplasms of digestive organs</b>	2	1	0	2	4	1	15	9	35	11	42	21	38	21	41	31	37	41	28	22	33	52
<b>(60) Of esophagus</b>	0	0	0	0	1	0	2	0	10	0	10	2	8	0	8	5	8	0	0	2	3	3
<b>(61) Of stomach</b>	0	0	0	0	0	0	2	0	0	0	4	0	1	4	5	0	0	4	0	1	2	1
<b>(62) Of small intestine</b>	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	0	0	1	0	1	0
<b>Of colon, rectum and anus</b>	1	1	0	1	2	0	10	4	12	5	13	10	11	7	14	8	12	16	13	9	14	24
<b>(63) Colon</b>	1	0	0	1	1	0	5	1	8	3	13	10	10	7	10	8	8	14	12	6	14	16
<b>(64) Rectosigmoid junction and rectum</b>	0	1	0	0	1	0	5	3	4	2	0	0	1	0	4	0	4	2	1	2	0	8
<b>(65) Anus and anal canal</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
<b>Of liver and intrahepatic bile ducts</b>	0	0	0	0	1	1	0	2	8	1	7	1	2	1	5	5	8	4	7	0	3	8

\* Line numbers shown in parentheses on this table correspond to categories and code ranges in the table at <http://dphhs.mt.gov/Portals/85/publichealth/documents/Epidemiology/VSU/List%20of%20358%20Selected%20Causes%20of%20Death.pdf>

**Table D-1**  
**Frequency of Death by Sex, Age and 358 Selected Underlying Causes**  
**Montana Residents, 2014**

Cause Of Death*	Age In Years																							
	35-39		40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80-84		85+			
	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.		
(66) Liver	0	0	0	0	0	1	0	0	7	1	5	1	2	1	5	3	8	1	6	0	2	7		
(67) Intrahepatic bile duct carcinoma	0	0	0	0	1	0	0	2	1	0	2	0	0	0	2	0	3	1	0	1	1	1		
(68) Of gallbladder and extrahepatic bile ducts	0	0	0	0	0	0	0	1	0	0	0	0	2	1	3	0	2	0	1	2	1	1		
(69) Of pancreas	1	0	0	1	0	0	1	3	4	5	7	7	15	7	8	9	9	15	7	8	8	13		
(70) Of other and ill-defined digestive organs	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	2	2		
Malignant neoplasms of respiratory and intrathoracic organs	0	1	1	1	0	1	12	7	19	17	26	30	42	45	51	47	58	54	34	44	38	37		
(71) Of nasal cavity, middle ear and accessory sinuses	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0		
(72) Of larynx	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	3	0	1	0	1	0	0		
(73) Of trachea, bronchus and lung	0	1	1	1	0	1	12	7	18	17	25	30	40	45	51	46	55	53	33	44	37	37		
(74) Of thymus, heart, mediastinum and pleura	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0		
(76) Malignant neoplasms of bone and articular cartilage	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0		
Melanoma and other malignant neoplasms of skin	1	0	0	0	1	2	1	0	2	0	6	1	8	2	3	1	8	1	5	2	4	2		
(77) Malignant melanoma of skin	1	0	0	0	1	2	1	0	1	0	5	1	7	1	3	0	6	1	4	2	0	2		
(78) Other malignant neoplasms of skin	0	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	2	0	1	0	4	0		
Malignant neoplasms of mesothelial and soft tissue	0	0	1	0	0	1	2	1	0	1	2	3	3	2	3	2	2	1	2	4	2	1		
(79) Mesothelioma	0	0	0	0	0	0	1	0	0	0	1	1	2	0	0	0	0	1	1	2	0	0		
(81) Of other mesothelial and soft tissue	0	0	1	0	0	1	1	1	0	1	1	2	1	2	3	2	2	1	1	3	0	1		
(82) Malignant neoplasm of breast	0	2	0	0	0	3	0	11	0	13	0	15	0	19	0	19	0	18	0	12	0	22		
Malignant neoplasms of female genital organs	0	1	0	3	0	5	0	2	0	7	0	9	0	9	0	9	0	11	0	8	0	15		
(83) Of vulva and vagina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0		
(84) Of cervix uteri	0	0	0	2	0	1	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0	1		
(85) Of corpus uteri and uterus, part unspecified	0	0	0	1	0	0	0	1	0	2	0	1	0	3	0	4	0	4	0	3	0	9		
(86) Of ovary	0	1	0	0	0	4	0	1	0	5	0	6	0	5	0	4	0	7	0	5	0	4		
(87) Of other and unspecified female genital organs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1		
Malignant neoplasms of male genital organs	1	0	0	0	0	0	0	3	0	9	0	11	0	18	0	16	0	21	0	44	0	0		
(89) Of prostate	0	0	0	0	0	0	0	3	0	9	0	10	0	18	0	16	0	21	0	44	0	0		
(90) Of testis	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
(91) Of penis and other and unspecified male genital organs	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0		
Malignant neoplasms of urinary tract	0	0	0	0	1	0	1	1	5	3	11	3	12	4	12	7	11	2	6	3	19	12		
(92) Of kidney and renal pelvis	0	0	0	0	1	0	0	0	3	2	8	1	8	1	4	2	4	1	3	2	4	3		
(93) Of bladder	0	0	0	0	0	0	1	1	2	1	3	1	3	3	8	4	7	1	3	1	15	8		
(94) Of other and unspecified sites within the urinary tract	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1		
(95) Malignant neoplasm of eye and adnexa	0	0	0	0	0	0	0	2	0	0	1	0	0	0	1	0	0	0	0	1	0	0		
Malignant neoplasms of meninges, brain and other parts of central nervous system	2	1	1	1	1	0	3	2	2	3	6	6	5	3	6	4	2	2	3	2	1	2		
(96) Of brain	2	1	1	1	1	0	3	2	2	3	6	6	5	3	6	4	2	2	3	2	1	2		
(98) Malignant neoplasms of thyroid and other endocrine glands	0	0	1	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	1	0	1	1		
(99) Other malignant neoplasms of other and unspecified sites	0	1	3	0	0	0	4	2	8	6	8	5	12	11	16	7	10	10	15	14	13	16		
Malignant neoplasms of lymphoid, hematopoietic and related tissue	1	0	1	0	1	0	1	4	11	2	6	5	13	9	13	11	17	10	14	19	21	21		
(100) Hodgkin 's disease	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Of other lymphoid, hematopoietic and related tissue	0	0	0	0	1	0	0	1	6	1	2	0	6	3	6	5	10	5	3	7	10	8		
(101) Non-Hodgkin 's lymphoma	0	0	0	0	1	0	0	1	6	1	2	0	6	3	6	5	10	5	3	7	10	8		
(103) Malignant immunoproliferative diseases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0		
(104) Multiple myeloma and malignant plasma cell neoplasms	0	0	0	0	0	0	1	0	1	1	2	2	5	1	3	3	1	4	4	6	5	5		
Leukemia	1	0	0	0	0	0	1	2	4	0	3	3	5	1	6	3	4	4	7	8	4	8		
(105) Lymphoid leukemia	1	0	0	0	0	0	0	0	0	0	1	0	2	1	2	2	0	1	1	2	1	3		

\* Line numbers shown in parentheses on this table correspond to categories and code ranges in the table at <http://dphhs.mt.gov/Portals/85/publichealth/documents/Epidemiology/VSU/List%20of%20358%20Selected%20Causes%20of%20Death.pdf>

**Table D-1  
Frequency of Death by Sex, Age and 358 Selected Underlying Causes  
Montana Residents, 2014**

Cause Of Death*	Age In Years																					
	35-39		40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80-84		85+	
	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
(106) Myeloid leukemia	0	0	0	0	0	0	1	2	3	0	1	1	2	0	2	1	2	3	4	4	2	2
(107) Monocytic leukemia	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
(108) Other and unspecified leukemia	0	0	0	0	0	0	0	0	0	0	1	2	1	0	2	0	2	0	2	2	1	3
Benign neoplasms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	2
(112) Of eye, brain and other parts of central nervous system	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
(113) Of other and unspecified sites	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
(114) Neoplasms of uncertain or unknown behavior of specified sites	0	0	1	0	0	1	0	0	1	1	0	1	1	0	4	2	4	0	3	4	5	10
(115) Neoplasm of uncertain or unknown behavior of unspecified sites	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	0	0	0	0
III. Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism	0	0	0	0	0	0	0	1	1	2	1	1	4	2	1	1	4	3	3	1	5	6
Anemias	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	2	0	2	0	5	4
(116) Nutritional anemias	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(118) Aplastic anemias	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0
(119) Acute posthemorrhagic and other anemias	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2	0	1	0	5	3
(120) Coagulation defects, purpura and other hemorrhagic conditions	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0	0	2	2	1	1	0	2
(121) Other diseases of blood and blood-forming organs	0	0	0	0	0	0	0	1	0	0	1	0	2	0	1	1	0	0	0	0	0	0
(122) Certain disorders involving the immune mechanism	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	1	0	0	0	0
IV. Endocrine, nutritional and metabolic diseases	3	0	3	2	5	3	13	11	12	10	19	17	25	14	27	20	13	22	29	28	42	53
Endocrine diseases	2	0	1	2	4	3	8	9	8	5	15	12	19	9	20	12	10	17	23	17	33	35
(123) Disorders of thyroid gland	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	3	5
(124) Diabetes mellitus	2	0	1	2	3	3	7	8	8	5	15	12	19	9	20	12	10	14	23	17	30	29
(125) Disorders of pituitary gland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
(126) Disorders of adrenal glands	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
(128) Other endocrine diseases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nutritional diseases	1	0	0	0	1	0	4	2	1	4	3	2	3	2	1	4	0	2	1	2	2	5
Malnutrition	0	0	0	0	0	0	1	0	0	2	0	0	0	2	1	1	0	0	0	2	2	5
(129) Nutritional marasmus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(130) Other and unspecified malnutrition	0	0	0	0	0	0	1	0	0	2	0	0	0	2	1	1	0	0	0	2	2	4
(132) Obesity and other hyperalimentation	1	0	0	0	1	0	3	2	1	2	3	2	3	0	0	3	0	2	1	0	0	0
Metabolic disorders	0	0	2	0	0	0	1	0	3	1	1	3	3	3	6	4	3	3	5	9	7	13
(133) Cystic fibrosis	0	0	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
(134) Volume depletion, disorders of fluid, electrolyte and acid-base balance	0	0	1	0	0	0	0	0	0	0	0	0	2	0	2	1	0	1	2	1	1	3
(135) Other metabolic disorders	0	0	1	0	0	0	0	0	3	1	1	1	3	4	3	3	2	3	8	6	10	10
V. Mental and behavioral disorders	3	0	4	0	7	3	15	11	9	3	10	3	9	5	15	11	16	33	33	57	126	262
(136) Organic dementia	0	0	0	0	0	0	0	0	0	1	4	2	3	4	13	8	15	32	31	54	121	259
(137) Other and unspecified organic mental disorders	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	3	1
Mental and behavioral disorders due to psychoactive substance use	3	0	4	0	7	3	15	11	9	2	6	1	6	1	2	1	0	0	2	1	1	1
(138) Mental and behavioral disorders due to use of alcohol	2	0	3	0	6	2	9	10	9	1	6	1	5	0	2	1	0	0	2	1	1	1
(139) Mental and behavioral disorders due to other psychoactive substance use	1	0	1	0	1	1	6	1	0	1	0	0	1	1	0	0	0	0	0	0	0	0
(140) Schizophrenia, schizotypal and delusional disorders	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
(141) Mood (affective) disorders	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1
(142) Neurotic, stress-related and somatoform disorders	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0

\* Line numbers shown in parentheses on this table correspond to categories and code ranges in the table at <http://dphhs.mt.gov/Portals/85/publichealth/documents/Epidemiology/VSU/List%20of%20358%20Selected%20Causes%20of%20Death.pdf>

**Table D-1  
Frequency of Death by Sex, Age and 358 Selected Underlying Causes  
Montana Residents, 2014**

Cause Of Death*	Age In Years																					
	35-39		40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80-84		85+	
	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
(144) Other and unspecified mental and behavioral disorders	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>VI. Diseases of the nervous system</b>	1	1	1	2	2	5	7	3	8	5	11	13	20	14	17	15	31	28	41	47	90	138
(145) Meningitis	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
(146) Other inflammatory diseases of central nervous system	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	1	0	0	0	0	1	0
(147) Parkinson 's disease	0	0	0	0	0	0	0	0	0	0	2	1	3	0	5	2	3	3	16	6	23	17
(148) Alzheimer 's disease	0	0	0	0	0	0	0	0	0	0	0	2	4	1	3	4	17	12	12	32	56	108
(149) Multiple sclerosis	0	0	0	2	0	0	1	1	1	1	2	4	2	5	1	1	2	1	0	3	1	1
(150) Epilepsy	0	0	0	0	0	0	0	1	0	1	0	1	1	0	0	1	0	0	1	0	0	0
(151) Transient cerebral ischemic attacks and related syndromes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
(152) Infantile cerebral palsy	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0
(153) All other diseases of nervous system	1	1	1	0	2	5	6	1	4	2	7	4	10	7	8	7	8	12	12	5	8	11
<b>IX. Diseases of the circulatory system</b>	9	2	13	4	20	11	44	24	82	40	133	56	132	70	155	63	162	111	204	186	381	675
Acute rheumatic fever and chronic rheumatic heart diseases	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	2	1	2	1	4	2	8
(156) Acute rheumatic fever	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Chronic rheumatic heart diseases	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	2	1	2	1	3	2	8
(157) Rheumatic mitral valve diseases	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	0	3	0	4
(158) Rheumatic aortic valve diseases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
(159) Disorders of both mitral and aortic valves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
(160) Other chronic rheumatic heart diseases	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1	0	2	2
Hypertensive diseases	0	0	0	0	0	0	4	1	2	0	5	2	10	1	8	3	5	2	7	5	21	46
(161) Essential (primary) hypertension	0	0	0	0	0	0	0	0	1	0	1	0	4	1	0	1	0	1	2	1	6	19
(162) Hypertensive heart disease	0	0	0	0	0	0	2	1	1	0	3	2	6	0	6	1	3	1	3	3	6	11
(163) Hypertensive renal disease and secondary hypertension	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	2	0	2	0	5	15
(164) Hypertensive heart and renal disease	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	1	4	1
Ischemic heart diseases	6	0	9	2	12	5	29	10	50	22	86	35	68	41	99	22	92	46	90	53	144	170
(165) Acute myocardial infarction	2	0	2	0	4	1	5	1	7	1	15	4	10	9	16	4	17	9	12	13	26	41
(166) Other acute ischemic heart diseases	0	0	0	0	0	0	0	0	1	0	2	0	2	0	0	1	0	1	0	2	0	1
Other forms of chronic ischemic heart disease	4	0	7	2	8	4	24	9	42	21	69	31	56	32	83	17	75	36	78	38	118	128
(167) Atherosclerotic cardiovascular disease, so described	3	0	3	2	3	3	15	6	29	16	47	21	28	21	44	7	32	17	32	16	37	49
(168) All other forms of chronic ischemic heart disease	1	0	4	0	5	1	9	3	13	5	22	10	28	11	39	10	43	19	46	22	81	79
Other heart diseases	3	1	2	0	6	2	5	6	14	10	20	9	24	11	25	18	37	27	63	67	127	284
Pulmonary heart disease and diseases of pulmonary circulation	0	0	0	0	0	0	2	2	2	1	1	3	3	3	2	3	7	6	2	2	2	16
(169) Pulmonary embolism	0	0	0	0	0	0	1	1	1	1	1	0	2	1	0	2	4	3	2	0	0	5
(170) Other pulmonary heart disease and diseases of pulmonary circulation	0	0	0	0	0	0	1	1	1	0	0	3	1	2	2	1	3	3	0	2	2	11
Other non-pulmonary forms of heart disease	3	1	2	0	6	2	3	4	12	9	19	6	21	8	23	15	30	21	61	65	125	268
(171) Acute and subacute endocarditis	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0
(172) Diseases of pericardium and acute myocarditis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Other diseases of endocardium	1	0	0	0	0	1	0	1	2	1	4	0	3	2	3	5	7	4	8	13	17	46
(173) Nonrheumatic mitral valve disorders	0	0	0	0	0	0	0	1	0	1	2	0	1	1	0	0	0	0	1	1	0	3
(174) Nonrheumatic aortic valve disorders	0	0	0	0	0	1	0	0	1	0	2	0	2	1	1	2	3	4	5	9	11	32
(175) All other diseases of endocardium	1	0	0	0	0	0	0	0	1	0	0	0	0	0	2	3	4	0	2	3	6	11
(176) Cardiomyopathy	0	0	1	0	1	0	0	0	4	2	4	1	1	1	2	0	2	0	4	2	7	6
(177) Conduction disorders and cardiac dysrhythmias	0	0	0	0	1	1	1	0	3	2	4	1	8	3	4	4	8	3	14	18	27	64
Heart failure	1	0	1	0	2	0	1	1	3	2	4	4	9	1	11	5	9	11	30	24	63	141
(178) Congestive heart failure	1	0	1	0	1	0	1	1	3	2	4	3	7	0	9	4	8	10	27	20	52	123

\* Line numbers shown in parentheses on this table correspond to categories and code ranges in the table at <http://dphhs.mt.gov/Portals/85/publichealth/documents/Epidemiology/VSU/List%20of%20358%20Selected%20Causes%20of%20Death.pdf>

**Table D-1**  
**Frequency of Death by Sex, Age and 358 Selected Underlying Causes**  
**Montana Residents, 2014**

Cause Of Death*	Age In Years																					
	35-39		40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80-84		85+	
	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
(179) Other and unspecified heart failure	0	0	0	0	1	0	0	0	0	0	1	2	1	2	1	1	1	3	4	11	18	
(180) Myocarditis, unspecified and myocardial degeneration	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	
(181) All other and ill-defined forms of heart disease	1	0	0	0	2	0	1	1	0	2	2	0	0	1	3	1	3	2	5	7	11	11
Cerebrovascular diseases	0	1	1	1	0	4	5	4	11	6	15	7	23	12	16	17	24	26	31	46	68	152
(182) Subarachnoid hemorrhage	0	0	0	1	0	0	0	3	0	1	1	1	1	0	1	1	1	0	2	0	1	1
(183) Intracerebral and other intracranial hemorrhage	0	0	0	0	0	1	3	1	3	2	8	5	6	4	2	4	2	7	6	11	22	
(184) Cerebral infarction	0	0	0	0	0	1	1	0	2	0	0	0	2	1	1	0	2	0	0	3	2	3
(185) Stroke, not specified as hemorrhage or infarction	0	0	0	0	0	2	0	0	5	1	6	1	10	6	7	11	17	16	19	29	42	94
(186) Other cerebrovascular diseases and their sequelae	0	1	1	0	0	1	0	1	2	0	0	4	0	6	1	2	7	5	6	13	32	
Diseases of arteries, arterioles and capillaries	0	0	0	0	2	0	0	2	3	2	5	3	6	4	6	1	3	7	12	9	18	13
(187) Atherosclerosis	0	0	0	0	0	0	0	1	0	0	0	1	3	0	0	1	3	2	2	3	4	
(188) Aortic aneurysm and dissection	0	0	0	0	1	0	0	1	2	2	3	1	3	3	3	1	1	3	7	3	5	3
(189) Other diseases of arteries, arterioles and capillaries	0	0	0	0	1	0	0	0	1	0	2	1	0	1	3	0	1	1	3	4	10	6
Other disorders of circulatory system	0	0	1	1	0	0	1	0	1	0	1	0	1	1	1	0	0	1	0	2	1	2
(190) Phlebitis, thrombophlebitis, venous embolism and thrombosis	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	0	0	0	2	0	0	
(191) All other and unspecified disorders of circulatory system	0	0	1	1	0	0	0	0	1	0	1	0	0	0	0	0	1	0	0	1	2	
X. Diseases of the respiratory system	2	1	2	2	1	9	9	12	20	16	42	24	53	49	63	59	94	83	81	70	161	203
Other diseases of the respiratory system	2	1	2	2	1	9	9	12	20	16	42	24	53	49	63	59	94	83	81	70	161	203
(195) Influenza	0	0	0	0	0	0	0	1	0	0	0	0	2	0	0	1	1	0	0	0	2	3
Pneumonia	1	0	1	0	1	5	1	0	3	2	4	2	4	3	5	6	11	6	12	11	30	59
(196) Viral pneumonia, not elsewhere classified	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(197) Bacterial pneumonia	0	0	0	0	0	0	1	0	0	0	0	0	2	0	0	1	2	0	1	1	1	1
(198) Pneumonia due to other or unspecified organisms	0	0	1	0	1	5	0	0	3	2	4	2	2	3	5	5	9	6	11	10	29	57
(201) Other diseases of upper respiratory tract	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	1
Chronic lower respiratory diseases	0	1	0	0	0	2	5	8	16	11	33	19	36	40	41	49	55	63	45	50	92	99
Bronchitis, chronic and unspecified, emphysema and asthma	0	1	0	0	0	2	5	8	16	11	33	19	36	39	41	49	54	63	45	50	92	99
(202) Bronchitis, not specified as acute or chronic	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
(203) Chronic bronchitis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(204) Emphysema	0	0	0	0	0	0	1	1	1	0	0	1	2	1	5	1	3	6	4	1	6	9
(205) Other chronic obstructive pulmonary disease	0	0	0	0	0	2	3	7	15	11	33	18	33	38	36	47	51	57	41	49	85	85
(206) Asthma	0	1	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	1	4	
(207) Bronchiectasis	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
Lung diseases due to external agents	0	0	0	1	0	1	0	2	0	0	2	1	5	1	3	0	8	6	10	4	22	15
(208) Pneumoconioses and chemical effects	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	4	0	5	1	
Pneumonitis due to solids and liquids	0	0	0	1	0	1	0	2	0	0	2	1	3	0	3	0	6	6	5	4	17	14
(209) Pneumonitis due to food and vomit	0	0	0	1	0	1	0	2	0	0	2	1	3	0	3	0	6	6	5	4	17	14
(211) Other lung diseases due to external agents	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0
(212) Suppurative and necrotic conditions of lower respiratory tract	0	0	0	0	0	0	1	0	0	1	0	0	0	1	0	0	1	0	0	0	0	0
(213) Pleural effusion and plaque	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	1	2
(214) All other diseases of respiratory system	1	0	1	1	0	1	2	1	1	2	2	2	6	4	12	3	18	7	13	5	13	24
XI. Diseases of the digestive system	3	5	6	2	5	11	21	21	32	13	34	12	23	18	22	21	22	15	19	23	39	67
(215) Diseases of oral cavity, salivary glands and jaws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Diseases of other parts of digestive system	3	5	6	2	5	11	21	21	32	13	34	12	23	18	22	21	22	15	19	23	39	66
(216) Diseases of esophagus	0	0	0	0	0	0	1	0	1	0	1	0	0	1	0	0	0	1	0	0	0	2
Peptic ulcer	0	0	0	0	0	0	0	0	2	1	1	0	1	0	1	0	2	0	1	2	1	2

\* Line numbers shown in parentheses on this table correspond to categories and code ranges in the table at <http://dphhs.mt.gov/Portals/85/publichealth/documents/Epidemiology/VSU/List%20of%20358%20Selected%20Causes%20of%20Death.pdf>

**Table D-1  
Frequency of Death by Sex, Age and 358 Selected Underlying Causes  
Montana Residents, 2014**

Cause Of Death*	Age In Years																					
	35-39		40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80-84		85+	
	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
(217) Gastric ulcer	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	2
(218) Duodenal ulcer	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	2	0	1	2	0	0
(219) Peptic ulcer, site unspecified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
(221) Gastritis and duodenitis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
(222) Dyspepsia and other diseases of stomach and duodenum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0
(224) Hernia	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	4	3
(225) Crohn 's disease and ulcerative colitis	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	1	1	0	0	0	1	0
(226) Vascular disorders and obstruction of intestine without hernia	0	0	0	0	0	0	0	1	1	1	0	2	0	5	1	1	2	5	5	6	14	13
(227) Diverticular disease of intestine	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1	1	1	5
(228) Other diseases of intestines and peritoneum	0	0	0	0	0	0	2	0	0	0	1	1	1	0	0	1	0	0	1	1	5	2
(229) Diseases of peritoneum	0	0	0	0	1	0	0	0	0	0	2	0	0	0	0	1	0	0	2	1	2	2
Diseases of liver	3	5	6	1	4	8	16	19	24	10	21	9	16	9	14	14	8	6	4	7	3	4
(230) Alcoholic liver disease	3	2	3	1	3	4	9	9	11	6	13	2	8	1	1	0	2	0	0	1	0	1
(232) Fibrosis and cirrhosis of liver	0	2	2	0	0	0	3	6	7	3	5	5	3	3	8	6	4	5	3	2	2	1
(233) Other diseases of liver	0	1	1	0	1	4	4	4	6	1	3	2	5	5	5	8	2	1	1	4	1	2
(234) Cholelithiasis and other disorders of gallbladder	0	0	0	0	0	0	0	0	0	1	0	0	1	2	0	1	1	1	0	1	7	7
Disorders of biliary tract and pancreas	0	0	0	1	0	2	1	1	2	0	3	0	4	1	1	0	1	0	1	1	2	8
(235) Pancreatitis	0	0	0	1	0	1	1	1	2	0	1	0	3	1	0	0	0	1	1	0	5	5
(236) Other disorders of biliary tract and pancreas	0	0	0	0	0	1	0	0	0	0	2	0	1	0	1	0	1	0	0	0	2	3
(237) All other diseases of digestive system	0	0	0	0	0	1	1	0	1	1	3	0	0	0	2	3	5	2	3	3	5	18
XII. Diseases of the skin and subcutaneous tissue	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	2	2	3	1	4	7
(238) Infections of skin and subcutaneous tissue	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	2	0	1	0	2	4
(239) Other and unspecified diseases of skin and subcutaneous tissue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	2	1	2	3	3
XIII. Diseases of the musculoskeletal system and connective tissue	1	1	0	0	0	0	1	2	1	3	2	4	3	4	1	0	6	9	6	10	10	10
(240) Rheumatoid arthritis and related inflammatory polyarthropathies	0	0	0	0	0	0	0	0	0	0	1	3	0	0	1	0	2	2	2	3	3	2
(241) Systemic lupus erythematosus	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0
(242) Other arthropathies and related disorders	1	0	0	0	0	0	0	2	0	1	1	0	1	3	0	0	2	2	2	3	2	3
(243) Dorsopathies	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	2	0	1	1	0
(244) Soft tissue disorders	0	0	0	0	0	0	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0
Osteopathies, chondropathies and other disorders of musculoskeletal system and connective tissue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	2	2	4	5	5
(245) Osteoporosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	5
(246) Other osteopathies, chondropathies and disorders of musculoskeletal system and connective tissue	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	1	3	0	0
XIV. Diseases of the genitourinary system	1	0	2	0	2	1	2	2	2	4	6	4	11	1	18	10	11	14	9	15	25	40
Diseases of urinary system	1	0	2	0	2	1	2	2	2	4	6	4	10	1	18	10	10	14	8	14	23	40
Glomerular and renal tubulo-interstitial diseases	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
Glomerular diseases	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(249) Other and unspecified glomerular diseases	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(250) Renal tubulo-interstitial diseases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
(251) Renal failure	1	0	1	0	2	1	1	2	1	3	5	2	6	0	16	7	8	12	7	7	17	24
(252) Urolithiasis	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
(254) Urinary tract infection, site not specified	0	0	0	0	0	0	0	0	1	0	1	1	4	1	2	2	1	2	1	7	2	15
(255) Other diseases of urinary system	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	0	0	0	0	0	2	0

\* Line numbers shown in parentheses on this table correspond to categories and code ranges in the table at <http://dphhs.mt.gov/Portals/85/publichealth/documents/Epidemiology/VSU/List%20of%20358%20Selected%20Causes%20of%20Death.pdf>

**Table D-1  
Frequency of Death by Sex, Age and 358 Selected Underlying Causes  
Montana Residents, 2014**

Cause Of Death*	Age In Years																					
	35-39		40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80-84		85+	
	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
<b>Diseases of male genital organs</b>	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	2	0
(256) Hyperplasia of prostate	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	2	0
<b>Disorders of female genital organs</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
(260) Noninflammatory disorders of female genital tract	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
<b>XV. Pregnancy, childbirth and the puerperium</b>	0	0	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other direct obstetric deaths	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(270) All other direct obstetric causes	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(272) Other deaths related to pregnancy, childbirth and the puerperium	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>XVI. Certain conditions originating in the perinatal period</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(274) Newborn affected by maternal factors and by complications of pregnancy, labor and delivery	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(275) Disorders related to short gestation and low birth weight, not elsewhere classified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(278) Respiratory distress of newborn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(279) Other respiratory conditions originating in the perinatal period	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(280) Infections specific to the perinatal period	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(281) Other and unspecified conditions originating in the perinatal period	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>XVII. Congenital malformations, deformations and chromosomal abnormalities</b>	0	0	0	0	0	0	1	2	1	1	0	2	1	0	0	0	1	0	1	0	1	1
(284) All other congenital malformations of nervous system	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(285) Congenital malformations of heart	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
(286) Other congenital malformations of circulatory system	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(288) Other congenital malformations and deformations	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0
(289) Down 's syndrome	0	0	0	0	0	0	0	1	1	1	0	2	0	0	0	0	0	0	0	0	0	0
(290) All other chromosomal abnormalities, not elsewhere classified	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0
<b>XVIII. Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified</b>	1	1	2	1	1	1	4	4	5	3	0	1	3	0	5	5	3	2	2	9	19	56
(291) Senility	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	25
<b>Ill-defined and unknown causes of mortality</b>	1	1	1	1	1	1	2	4	3	2	0	0	2	0	3	5	0	0	1	1	1	8
(292) Sudden infant death syndrome	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(293) Other ill-defined and unknown causes of mortality	1	1	1	1	1	1	2	4	3	2	0	0	2	0	3	5	0	0	1	1	1	8
(294) All other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	0	0	1	0	0	0	2	0	2	1	0	1	1	0	2	0	3	2	0	6	14	23
<b>XX. External causes of mortality</b>	35	19	37	24	43	18	55	18	42	29	46	15	38	5	30	11	27	19	33	23	58	72
<b>Accidents (unintentional injuries)</b>	18	11	16	14	23	12	27	11	19	15	22	7	22	4	18	8	22	16	25	23	44	70
<b>Transport accidents</b>	7	6	8	4	11	5	13	7	8	4	9	1	8	3	7	1	7	5	2	1	1	2
(295) Railway accidents	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Motor vehicle accidents</b>	6	6	8	3	10	5	12	7	7	4	6	1	8	2	7	1	6	5	2	0	1	2
(296) Pedestrian involved in collision with motor vehicle	0	0	0	0	0	0	2	0	1	1	1	0	0	0	0	0	0	0	1	0	0	0
(297) Pedalcyclist involved in collision with motor vehicle	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(298) Motorcyclist involved in any accident except collision with railway train	1	0	0	0	2	2	2	1	1	1	0	0	1	0	1	0	0	0	0	0	0	0
Motor vehicle accident involving collision with railway train	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0

\* Line numbers shown in parentheses on this table correspond to categories and code ranges in the table at <http://dphhs.mt.gov/Portals/85/publichealth/documents/Epidemiology/VSU/List%20of%20358%20Selected%20Causes%20of%20Death.pdf>

**Table D-1  
Frequency of Death by Sex, Age and 358 Selected Underlying Causes  
Montana Residents, 2014**

Cause Of Death*	Age In Years																					
	35-39		40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80-84		85+	
	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
(300) Other motor vehicle accident involving collision with railway train	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
(301) Occupant of motor vehicle involved in collision with other (non-motorized) road vehicle, streetcar, animal or pedestrian	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
(302) Occupant of car, pickup truck or van involved in collision with other motor vehicle	0	1	0	0	1	0	1	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0
(303) Occupant of heavy transport vehicle or bus involved in collision with other motor vehicle	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(304) Occupant of motor vehicle involved in noncollision accident	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
(305) Occupant of special-use motor vehicle involved in any accident	1	0	0	1	1	1	1	0	1	0	0	0	0	0	2	0	1	0	0	0	0	0
(306) Other and unspecified motor vehicle accidents	3	5	7	2	5	2	4	6	4	2	4	0	6	2	4	0	3	4	1	0	1	2
(308) Other and unspecified land transport accidents	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
(309) Water transport accidents	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
(310) Air and space transport accidents	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
(311) Other and unspecified transport accidents and their sequelae	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0
Falls	1	0	1	0	1	0	1	0	3	1	3	1	6	0	5	1	9	6	15	15	26	50
(312) Fall on same level	0	0	0	0	0	0	0	0	1	0	1	1	5	0	2	1	5	2	11	10	15	28
(313) Fall from one level to another	1	0	1	0	1	0	1	0	2	0	2	0	1	0	0	0	2	1	0	0	2	0
(314) Unspecified fall	0	0	0	0	0	0	0	0	0	1	0	0	0	0	3	0	2	3	4	5	9	22
(315) Accidental discharge of firearms	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
(317) Accidental drowning and submersion	0	0	1	0	1	0	0	1	0	0	2	0	0	0	0	0	0	0	0	0	1	0
(318) Accidental inhalation and ingestion of food or other objects causing obstruction of respiratory tract	0	1	1	0	0	0	0	0	0	1	0	0	2	0	1	3	1	1	2	0	7	5
(319) Other accidental and unspecified threats to breathing	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
(322) Accidental exposure to smoke, fire and flames	0	0	0	2	0	0	0	0	0	0	1	0	2	0	1	1	0	0	0	1	0	1
(325) Earthquake, volcanic eruption, avalanche landslide and other earth movements	0	0	0	0	3	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Accidental poisoning and exposure to noxious substances	5	3	5	7	6	6	11	2	5	5	4	5	2	0	2	1	0	2	0	0	0	1
(327) Accidental poisoning by and exposure to drugs and other biological substances	5	3	5	7	4	6	8	1	3	4	3	4	1	0	1	1	0	1	0	0	0	1
(328) Accidental poisoning by and exposure to other and unspecified solid or liquid substances	0	0	0	0	2	0	3	1	1	1	0	1	0	0	1	0	0	0	0	0	0	0
(329) Accidental poisoning by and exposure to other gases and vapors	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	1	0	0	0	0
(330) All other and unspecified accidents and their sequelae	4	1	0	1	1	1	2	1	3	4	2	0	1	0	1	1	5	2	6	6	9	11
Intentional self-harm (suicide)	12	5	16	10	16	4	23	2	21	6	19	6	10	0	7	1	2	1	8	0	12	0
(331) Intentional self-poisoning (suicide) by and exposure to drugs and other biological substances	0	2	1	3	1	2	4	0	1	3	2	2	0	0	0	1	0	0	0	0	0	0
(332) Intentional self-poisoning (suicide) by and exposure to other and unspecified solid or liquid substances and their vapors	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
(333) Intentional self-poisoning (suicide) by and exposure to other gases and vapors	1	0	0	0	0	1	2	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0
(334) Intentional self-harm (suicide) by hanging, strangulation and suffocation	4	1	4	1	4	0	1	1	1	1	4	2	1	0	0	0	0	0	1	0	0	0
(335) Intentional self-harm (suicide) by discharge of firearms	5	2	10	5	9	1	15	1	17	2	11	2	7	0	7	0	1	1	6	0	12	0

\* Line numbers shown in parentheses on this table correspond to categories and code ranges in the table at <http://dphhs.mt.gov/Portals/85/publichealth/documents/Epidemiology/VSU/List%20of%20358%20Selected%20Causes%20of%20Death.pdf>

**Table D-1  
Frequency of Death by Sex, Age and 358 Selected Underlying Causes  
Montana Residents, 2014**

Cause Of Death*	Age In Years																					
	35-39		40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80-84		85+	
	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
(336) Intentional self-harm (suicide) by jumping from a high place	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(337) Intentional self-harm (suicide) by all other and unspecified means and their sequelae	0	0	1	1	2	0	0	0	1	0	2	0	1	0	0	0	0	0	1	0	0	0
Assault (homicide)	3	1	1	0	3	0	3	2	0	1	2	0	3	0	2	0	0	0	0	0	0	1
(340) Assault (homicide) by discharge of firearms	3	0	0	0	0	0	2	1	0	1	1	0	0	0	1	0	0	0	0	0	0	1
(341) Assault (homicide) by sharp object	0	0	1	0	1	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0
(342) Assault (homicide) by blunt object	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0
(346) Assault (homicide) by all other and unspecified means and their sequelae	0	1	0	0	2	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Event of undetermined intent	1	2	3	0	0	2	2	2	2	5	2	1	0	1	1	1	0	0	0	0	0	0
(347) Poisoning by and exposure to drugs and biological substances, undetermined intent	1	2	0	0	0	2	1	0	1	4	0	0	0	1	1	1	0	0	0	0	0	0
(349) Poisoning by and exposure to other gases and vapors, undetermined intent	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(350) Discharge of firearms, undetermined intent	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(352) All other and unspecified events of undetermined intent and their sequelae	0	0	1	0	0	0	0	2	1	1	2	1	0	0	0	0	0	0	0	0	0	0
Legal intervention	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
(354) Other legal intervention and their sequelae	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Complications of medical and surgical care	0	0	1	0	0	0	0	1	0	2	1	1	3	0	1	1	3	2	0	0	2	1
(356) Drugs, medicaments and biological substances causing adverse effects in therapeutic use, and their sequelae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
(357) Misadventures to patients during medical and surgical care and their sequelae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
(358) Other complications of medical and surgical care and their sequelae	0	0	1	0	0	0	0	1	0	2	1	1	3	0	1	1	3	1	0	0	1	1

\* Line numbers shown in parentheses on this table correspond to categories and code ranges in the table at <http://dphhs.mt.gov/Portals/85/publichealth/documents/Epidemiology/VSU/List%20of%20358%20Selected%20Causes%20of%20Death.pdf>

**Table D-2**  
**Frequency of Death by Sex, Race\* and 113 Selected Underlying Causes and Enterocolitis due to Clostridium Difficile\*\***  
**Montana Residents, 2014**

Cause of Death**	Total				MALE				FEMALE			
	Total	White	AI/AN^	Other	Total	White	AI/AN^	Other	Total	White	AI/AN^	Other
All Causes	9,345	8,730	562	53	4,823	4,497	299	27	4,522	4,233	263	26
(1#) Salmonella infections	1	1	0	0	0	0	0	0	1	1	0	0
(3) Certain other intestinal infections	33	32	1	0	12	12	0	0	21	20	1	0
(#) Tuberculosis	4	2	2	0	2	1	1	0	2	1	1	0
(4) Respiratory tuberculosis	3	2	1	0	2	1	1	0	1	1	0	0
(5) Other tuberculosis	1	0	1	0	0	0	0	0	1	0	1	0
(6#) Whooping cough	1	1	0	0	1	1	0	0	0	0	0	0
(9#) Septicemia	98	89	8	1	50	46	3	1	48	43	5	0
(14#) Viral hepatitis	22	19	3	0	18	16	2	0	4	3	1	0
(15#) Human immunodeficiency virus (HIV) disease	6	5	0	1	5	4	0	1	1	1	0	0
(17) Other and unspecified infectious and parasitic diseases and their sequelae	25	24	1	0	12	11	1	0	13	13	0	0
(#) Malignant neoplasms	2,054	1,961	87	6	1,079	1,032	44	3	975	929	43	3
(18) Malignant neoplasms of lip, oral cavity and pharynx	40	37	3	0	28	26	2	0	12	11	1	0
(19) Malignant neoplasm of esophagus	62	61	1	0	50	49	1	0	12	12	0	0
(20) Malignant neoplasm of stomach	25	22	3	0	15	13	2	0	10	9	1	0
(21) Malignant neoplasms of colon, rectum and anus	189	176	12	1	104	99	4	1	85	77	8	0
(22) Malignant neoplasms of liver and intrahepatic bile ducts	65	63	2	0	41	39	2	0	24	24	0	0
(23) Malignant neoplasm of pancreas	128	119	7	2	60	56	3	1	68	63	4	1
(24) Malignant neoplasm of larynx	7	6	1	0	7	6	1	0	0	0	0	0
(25) Malignant neoplasms of trachea, bronchus and lung	556	532	22	2	273	262	10	1	283	270	12	1
(26) Malignant melanoma of skin	38	37	1	0	29	28	1	0	9	9	0	0
(27) Malignant neoplasm of breast	135	128	6	1	0	0	0	0	135	128	6	1
(28) Malignant neoplasm of cervix uteri	7	6	1	0	0	0	0	0	7	6	1	0
(29) Malignant neoplasms of corpus uteri and uterus, part unspecified	28	27	1	0	0	0	0	0	28	27	1	0
(30) Malignant neoplasm of ovary	42	40	2	0	0	0	0	0	42	40	2	0
(31) Malignant neoplasm of prostate	121	117	4	0	121	117	4	0	0	0	0	0
(32) Malignant neoplasms of kidney and renal pelvis	47	42	5	0	35	30	5	0	12	12	0	0
(33) Malignant neoplasm of bladder	62	62	0	0	42	42	0	0	20	20	0	0
(34) Malignant neoplasms of meninges, brain and other parts of central nervous system	61	58	3	0	33	32	1	0	28	26	2	0
Malignant neoplasms of lymphoid, hematopoietic and related tissue	183	181	2	0	101	100	1	0	82	81	1	0
(35) Hodgkin's disease	2	2	0	0	2	2	0	0	0	0	0	0
(36) Non-Hodgkin's lymphoma	76	75	1	0	45	44	1	0	31	31	0	0
(37) Leukemia	65	65	0	0	36	36	0	0	29	29	0	0
(38) Multiple myeloma and immunoproliferative neoplasms	40	39	1	0	18	18	0	0	22	21	1	0
(40) All other and unspecified malignant neoplasms	258	247	11	0	140	133	7	0	118	114	4	0
(41#) In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior	48	46	1	1	25	24	1	0	23	22	0	1
(42#) Anemias	15	14	0	1	9	8	0	1	6	6	0	0
(43#) Diabetes mellitus	250	226	23	1	139	125	14	0	111	101	9	1
(#) Nutritional deficiencies	16	16	0	0	4	4	0	0	12	12	0	0

\* Any racial category may include "Hispanic"; "Other" also includes race not stated.

\*\* Line numbers shown in parentheses on this table correspond to categories and code ranges in the table at

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^ American Indian or Alaska Native

**Table D-2**  
**Frequency of Death by Sex, Race\* and 113 Selected Underlying Causes and Enterocolitis due to Clostridium Difficile\*\***  
**Montana Residents, 2014**

Cause of Death**	Total				MALE				FEMALE			
	Total	White	AI/AN^	Other	Total	White	AI/AN^	Other	Total	White	AI/AN^	Other
(44) Malnutrition	16	16	0	0	4	4	0	0	12	12	0	0
(46#) Meningitis	1	0	0	1	1	0	0	1	0	0	0	0
(47#) Parkinson's disease	81	81	0	0	52	52	0	0	29	29	0	0
(48#) Alzheimer's disease	251	251	0	0	92	92	0	0	159	159	0	0
Major cardiovascular diseases	2,578	2,435	126	17	1,335	1,258	71	6	1,243	1,177	55	11
(#) Diseases of heart	1,942	1,832	98	12	1,060	994	60	6	882	838	38	6
(49) Acute rheumatic fever and chronic rheumatic heart diseases	23	23	0	0	6	6	0	0	17	17	0	0
(50) Hypertensive heart disease	49	47	2	0	30	28	2	0	19	19	0	0
(51) Hypertensive heart and renal disease	9	9	0	0	7	7	0	0	2	2	0	0
Ischemic heart diseases	1,094	1,020	66	8	687	641	41	5	407	379	25	3
(52) Acute myocardial infarction	199	179	19	1	116	103	12	1	83	76	7	0
(53) Other acute ischemic heart diseases	10	8	2	0	5	3	2	0	5	5	0	0
Other forms of chronic ischemic heart disease	885	833	45	7	566	535	27	4	319	298	18	3
(54) Atherosclerotic cardiovascular disease, so described	433	403	27	3	274	255	17	2	159	148	10	1
(55) All other forms of chronic ischemic heart disease	452	430	18	4	292	280	10	2	160	150	8	2
Other heart diseases	767	733	30	4	330	312	17	1	437	421	13	3
(56) Acute and subacute endocarditis	3	3	0	0	1	1	0	0	2	2	0	0
(57) Diseases of pericardium and acute myocarditis	2	1	1	0	1	0	1	0	1	1	0	0
(58) Heart failure	324	311	11	2	135	126	9	0	189	185	2	2
(59) All other forms of heart disease	438	418	18	2	193	185	7	1	245	233	11	1
(60#) Essential hypertension and hypertensive renal disease	64	60	2	2	25	23	2	0	39	37	0	2
(61#) Cerebrovascular diseases	476	451	22	3	195	188	7	0	281	263	15	3
(62#) Atherosclerosis	20	20	0	0	9	9	0	0	11	11	0	0
Other diseases of circulatory system	76	72	4	0	46	44	2	0	30	28	2	0
(63#) Aortic aneurysm and dissection	42	39	3	0	25	24	1	0	17	15	2	0
(64) Other diseases of arteries, arterioles and capillaries	34	33	1	0	21	20	1	0	13	13	0	0
(65) Other disorders of circulatory system	14	14	0	0	7	7	0	0	7	7	0	0
(#) Influenza and pneumonia	179	170	8	1	78	77	0	1	101	93	8	0
(66) Influenza	11	10	1	0	5	5	0	0	6	5	1	0
(67) Pneumonia	168	160	7	1	73	72	0	1	95	88	7	0
(#) Chronic lower respiratory diseases	667	637	30	0	323	308	15	0	344	329	15	0
(70) Bronchitis, chronic and unspecified	2	2	0	0	1	1	0	0	1	1	0	0
(71) Emphysema	42	40	2	0	22	21	1	0	20	19	1	0
(72) Asthma	8	8	0	0	2	2	0	0	6	6	0	0
(73) Other chronic lower respiratory diseases	615	587	28	0	298	284	14	0	317	303	14	0
(74#) Pneumoconioses and chemical effects	14	14	0	0	13	13	0	0	1	1	0	0
(75#) Pneumonitis due to solids and liquids	66	62	3	1	36	34	2	0	30	28	1	1
(76) Other diseases of respiratory system	137	122	14	1	79	70	9	0	58	52	5	1
(77#) Peptic ulcer	14	14	0	0	9	9	0	0	5	5	0	0

\* Any racial category may include "Hispanic"; "Other" also includes race not stated.

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^ American Indian or Alaska Native

**Table D-2**  
**Frequency of Death by Sex, Race\* and 113 Selected Underlying Causes and Enterocolitis due to Clostridium Difficile\*\***  
**Montana Residents, 2014**

Cause of Death**	Total				MALE				FEMALE			
	Total	White	AI/AN^	Other	Total	White	AI/AN^	Other	Total	White	AI/AN^	Other
(79#) Hernia	9	9	0	0	5	5	0	0	4	4	0	0
(#) Chronic liver disease and cirrhosis	152	114	38	0	92	73	19	0	60	41	19	0
(80) Alcoholic liver disease	82	60	22	0	55	43	12	0	27	17	10	0
(81) Other chronic liver disease and cirrhosis	70	54	16	0	37	30	7	0	33	24	9	0
(82#) Cholelithiasis and other disorders of gallbladder	15	15	0	0	6	6	0	0	9	9	0	0
(#) Nephritis, nephrotic syndrome and nephrosis	125	110	15	0	66	60	6	0	59	50	9	0
(84) Chronic glomerulonephritis, nephritis and nephropathy not specified as acute or chronic, and renal sclerosis unspecified	1	1	0	0	1	1	0	0	0	0	0	0
(85) Renal failure	124	109	15	0	65	59	6	0	59	50	9	0
(87#) Infections of kidney	1	1	0	0	1	1	0	0	0	0	0	0
(88#) Hyperplasia of prostate	5	5	0	0	5	5	0	0	0	0	0	0
(#) Pregnancy, childbirth and the puerperium	4	1	3	0	0	0	0	0	4	1	3	0
(91) Other complications of pregnancy childbirth and the puerperium	4	1	3	0	0	0	0	0	4	1	3	0
(92#) Certain conditions originating in the perinatal period	29	21	6	2	18	15	3	0	11	6	3	2
(93#) Congenital malformations deformations and chromosomal abnormalities	27	24	2	1	16	14	1	1	11	10	1	0
(94) Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	147	126	15	6	60	48	9	3	87	78	6	3
(95) All other diseases (Residual)	1,348	1,276	67	5	585	553	29	3	763	723	38	2
(#) Accidents (unintentional injuries)	572	496	72	4	339	298	38	3	233	198	34	1
Transport accidents	209	167	39	3	140	115	23	2	69	52	16	1
(96) Motor vehicle accidents	196	156	37	3	130	107	21	2	66	49	16	1
(97) Other land transport accidents	4	4	0	0	3	3	0	0	1	1	0	0
(98) Water, air and space, and other and unspecified transport accidents and their sequelae	9	7	2	0	7	5	2	0	2	2	0	0
Non-transport accidents	363	329	33	1	199	183	15	1	164	146	18	0
(99) Falls	149	146	3	0	75	72	3	0	74	74	0	0
(100) Accidental discharge of firearms	2	2	0	0	2	2	0	0	0	0	0	0
(101) Accidental drowning and submersion	12	9	3	0	9	7	2	0	3	2	1	0
(102) Accidental exposure to smoke, fire and flames	11	9	2	0	5	5	0	0	6	4	2	0
(103) Accidental poisoning and exposure to noxious substances	90	71	18	1	50	43	6	1	40	28	12	0
(104) Other and unspecified non-transport accidents and their sequelae	99	92	7	0	58	54	4	0	41	38	3	0
(#) Intentional self-harm (suicide)	249	225	21	3	195	174	18	3	54	51	3	0
(105) Intentional self-harm (suicide) by discharge of firearms	148	139	7	2	130	121	7	2	18	18	0	0
(106) Intentional self-harm (suicide) by other and unspecified means and their sequelae	101	86	14	1	65	53	11	1	36	33	3	0
(#) Assault (homicide)	29	18	11	0	22	13	9	0	7	5	2	0
(107) Assault (homicide) by discharge of firearms	14	10	4	0	10	7	3	0	4	3	1	0
(108) Assault (homicide) by other and unspecified means and their sequelae	15	8	7	0	12	6	6	0	3	2	1	0
(109#) Legal intervention	5	4	1	0	5	4	1	0	0	0	0	0
Events of undetermined intent	33	31	2	0	16	15	1	0	17	16	1	0
(110) Discharge of firearms, undetermined intent	1	1	0	0	1	1	0	0	0	0	0	0
(111) Other and unspecified events of undetermined intent and their sequelae	32	30	2	0	15	14	1	0	17	16	1	0

\* Any racial category may include "Hispanic"; "Other" also includes race not stated.

\*\* Line numbers shown in parentheses on this table correspond to categories and code ranges in the table at

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**Table D-2**  
**Frequency of Death by Sex, Race\* and 113 Selected Underlying Causes and Enterocolitis due to Clostridium Difficile\*\***  
**Montana Residents, 2014**

Cause of Death**	Total				MALE				FEMALE			
	Total	White	AI/AN^	Other	Total	White	AI/AN^	Other	Total	White	AI/AN^	Other
(113#) Complications of medical and surgical care	20	18	2	0	11	9	2	0	9	9	0	0
(#) Enterocolitis due to Clostridium difficile	17	17	0	0	6	6	0	0	11	11	0	0

\* Any racial category may include "Hispanic"; "Other" also includes race not stated.

\*\* Line numbers shown in parentheses on this table correspond to categories and code ranges in the table at

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**Table D-3  
Frequency and Rate of Death from Selected Underlying Causes by Year  
Montana Residents, 1953-2014**

Year of Death	Accidents - Total		Accidents - Motor Vehicle		Accidents - Other		Alcoholism		Cancer		Diabetes		Heart Disease		Homicide		Nephritis		Pneumonia		Suicide	
	Num.	Rate*	Num.	Rate*	Num.	Rate*	Num.	Rate*	Num.	Rate*	Num.	Rate*	Num.	Rate*	Num.	Rate*	Num.	Rate*	Num.	Rate*	Num.	Rate*
2014	572	55.8	197	19.2	375	36.6	66	6.4	2,054	200.6	250	24.4	1,942	189.7	29	2.8	125	12.2	168	16.4	249	24.3
2013	595	58.6	220	21.6	375	36.9	68	6.7	1,983	195.3	252	24.8	1,975	194.6	32	3.1	131	12.9	172	16.9	238	23.4
2012	551	54.8	195	19.3	356	35.4	54	5.3	1,927	191.7	231	22.9	1,876	186.6	25	2.4	99	9.8	143	14.2	226	22.4
2011	579	58.0	193	19.3	386	38.6	46	4.6	1,992	199.6	246	24.6	1,906	191.0	23	2.3	96	9.6	150	15.0	224	22.4
2010	545	55.0	192	19.3	353	35.6	44	4.4	1,912	193.0	226	22.8	1,842	185.9	29	2.9	134	13.5	168	16.9	227	22.9
2009	610	61.9	222	22.5	388	39.4	49	4.9	1,909	194.0	228	23.1	1,825	185.4	33	3.3	129	13.1	158	16.0	218	22.1
2008	589	60.3	216	22.1	373	38.2	49	5.0	1,854	189.8	254	26.0	1,968	201.5	39	3.9	153	15.6	165	16.8	203	20.7
2007	603	62.5	267	27.6	336	34.8	36	3.7	1,906	197.5	258	26.7	1,860	192.8	23	2.3	109	11.2	175	18.1	192	19.9
2006	545	57.2	261	27.3	284	29.8	63	6.6	1,940	203.6	251	26.3	1,857	194.9	35	3.6	132	13.8	164	17.2	188	19.7
2005	517	54.9	233	24.7	284	30.2	39	4.1	1,947	207.1	283	30.1	1,842	195.9	32	3.4	109	11.5	186	19.7	205	21.8
2004	527	56.6	235	25.2	292	31.3	32	3.4	1,858	199.7	236	25.3	1,834	197.2	25	2.6	107	11.5	161	17.3	173	18.6
2003	511	55.5	254	27.6	257	27.9	39	4.2	1,838	199.8	263	28.5	1,974	214.6	37	4.0	101	10.9	238	25.8	179	19.4
2002	523	57.3	250	27.4	273	29.9	30	3.2	1,901	208.5	211	23.1	1,931	211.8	23	2.5	104	11.4	247	27.0	182	19.9
2001	468	51.6	209	23.0	259	28.5	35	3.8	1,952	215.2	229	25.2	1,962	216.3	31	3.4	127	14.0	191	21.0	174	19.1
2000	484	53.5	228	25.2	256	28.3	29	3.2	1,861	205.9	226	25.0	1,985	219.6	35	3.8	115	12.7	192	21.2	157	17.3
1999	461	51.3	191	21.2	270	30.0	22	2.4	1,845	205.5	243	27.0	2,034	226.6	32	3.5	93	10.3	213	23.7	161	17.9
1998	463	51.8	219	24.5	244	27.3	34	3.8	1,816	203.4	196	21.9	2,001	224.2	26	2.9	90	10.0	311	34.8	156	17.4
1997	443	49.7	230	25.8	213	23.9	18	†	1,779	199.9	169	18.9	2,097	235.6	37	4.1	98	11.0	299	33.6	179	20.1
1996	396	44.6	191	21.5	205	23.1	23	2.5	1,762	198.8	187	21.0	2,131	240.4	37	4.1	81	9.1	238	26.8	174	19.6
1995	374	42.6	191	21.7	183	20.8	21	2.3	1,765	201.3	210	23.9	2,003	228.5	45	5.1	56	6.3	313	35.7	197	22.4
1994	391	45.3	192	22.2	199	23.1	31	3.5	1,740	202.0	215	24.9	1,907	221.4	34	3.9	76	8.8	276	32.0	159	18.4
1993	375	44.3	182	21.5	193	22.8	26	3.0	1,738	205.7	191	22.6	2,110	249.7	39	4.6	59	6.9	249	29.4	154	18.2
1992	399	48.3	182	22.0	217	26.2	29	3.5	1,710	207.0	164	19.8	1,904	230.5	35	4.2	56	6.7	259	31.3	151	18.2
1991	384	47.4	183	22.6	201	24.8	19	†	1,656	204.5	181	22.3	1,944	240.0	36	4.4	51	6.2	245	30.2	167	20.6
1990	398	49.7	210	26.2	188	23.4	21	2.6	1,630	203.6	154	19.2	1,947	243.3	35	4.3	48	5.9	213	26.6	167	20.8
1989	360	44.6	171	21.2	189	23.4	16	†	1,593	197.7	170	21.1	2,019	250.6	32	3.9	47	5.8	224	27.8	159	19.7
1988	368	45.7	200	24.8	168	20.8	22	2.7	1,561	193.9	154	19.1	2,057	255.5	35	4.3	60	7.4	219	27.2	153	19.0
1987	416	51.4	223	27.5	193	23.8	22	2.7	1,516	187.3	116	14.3	2,109	260.6	39	4.8	60	7.4	192	23.7	159	19.6
1986	403	49.2	228	27.8	175	21.3	27	3.2	1,475	180.0	109	13.3	2,196	268.1	41	5.0	40	4.8	205	25.0	181	22.1
1985	417	50.4	210	25.4	207	25.0	20	2.4	1,445	174.9	123	14.8	2,201	266.4	49	5.9	58	7.0	211	25.5	144	17.4
1984	440	53.3	233	28.2	207	25.1	18	†	1,467	178.0	113	13.7	2,270	275.4	37	4.4	57	6.9	204	24.7	137	16.6
1983	516	63.1	267	32.6	249	30.4	16	†	1,350	165.2	103	12.6	2,241	274.2	33	4.0	62	7.5	219	26.8	143	17.5
1982	471	58.8	236	29.4	235	29.3	30	3.7	1,384	172.7	115	14.3	2,236	279.1	36	4.4	57	7.1	196	24.4	126	15.7
1981	553	69.7	308	38.8	245	30.8	32	4.0	1,343	169.3	95	11.9	2,279	287.3	47	5.9	70	8.8	171	21.5	137	17.2
1980	570	72.4	311	39.5	259	32.9	25	3.1	1,291	164.1	103	13.0	2,332	296.4	40	5.0	43	5.4	169	21.4	116	14.7
1979	596	75.8	313	39.8	283	36.0	22	2.7	1,240	157.7	94	11.9	2,302	292.8	39	4.9	46	5.8	143	18.1	123	15.6
1978	558	71.0	276	35.1	282	35.9	23	2.9	1,233	157.0	114	14.5	2,169	276.3	40	5.0	20	2.5	199	25.3	122	15.5
1977	574	75.4	302	39.6	272	35.7	25	3.2	1,184	155.5	89	11.6	2,149	282.3	53	6.9	24	3.1	144	18.9	143	18.7
1976	579	76.8	291	38.6	288	38.2	23	3.0	1,191	158.1	100	13.2	2,178	289.2	38	5.0	17	†	207	27.4	129	17.1
1975	584	78.0	282	37.7	302	40.3	28	3.7	1,105	147.7	122	16.3	2,178	291.1	42	5.6	19	†	185	24.7	112	14.9
1974	559	76.0	272	37.0	287	39.0	14	†	1,130	153.7	103	14.0	2,202	299.5	44	5.9	20	2.7	192	26.1	122	16.5
1973	611	84.7	324	44.9	287	39.8	20	2.7	1,061	147.1	126	17.4	2,300	319.0	46	6.3	27	3.7	236	32.7	108	14.9
1972	635	88.3	360	50.0	275	38.2	17	†	1,122	156.0	135	18.7	2,294	319.0	32	4.4	17	†	220	30.5	87	12.1
1971	609	85.7	310	43.6	299	42.1	19	†	1,051	148.0	120	16.9	2,339	329.4	43	6.0	19	†	210	29.5	117	16.4
1970	571	82.2	290	41.7	281	40.4	25	3.6	1,059	152.5	111	15.9	2,229	320.9	30	4.3	26	3.7	213	30.6	79	11.3
1969	635	91.4	329	47.4	306	44.0	10	†	1,041	150.0	117	16.8	2,297	330.9	31	4.4	21	3.0	201	28.9	91	13.1
1968	535	77.2	262	37.8	273	39.3	29	4.1	1,080	155.8	119	17.1	2,223	320.7	25	3.6	20	2.8	213	30.7	97	13.9
1967	607	86.5	318	45.3	289	41.2	12	†	1,001	142.7	143	20.3	2,297	327.6	31	4.4	38	5.4	196	27.9	100	14.2
1966	560	79.7	265	37.7	295	42.0	24	3.4	969	138.0	106	15.0	2,415	344.0	23	3.2	42	5.9	230	32.7	96	13.6
1965	591	83.7	268	37.9	323	45.7	14	†	933	132.1	114	16.1	2,297	325.3	20	2.8	35	4.9	198	28.0	94	13.3
1964	648	91.9	250	35.4	398	56.4	13	†	986	139.8	139	19.7	2,368	335.8	30	4.2	45	6.3	226	32.0	80	11.3
1963	517	73.1	218	30.8	299	42.2	12	†	896	126.7	125	17.6	2,340	330.9	22	3.1	42	5.9	218	30.8	115	16.2
1962	550	77.5	232	32.7	318	44.8	19	†	911	128.4	121	17.0	2,204	310.8	21	2.9	63	8.8	195	27.5	110	15.5
1961	518	75.9	270	39.5	248	36.3	18	†	965	141.4	117	17.1	2,269	332.6	21	3.0	41	6.0	219	32.1	96	14.0
1960	510	75.5	226	33.4	284	42.0	13	†	958	141.9	102	15.1	2,332	345.6	25	3.7	51	7.5	227	33.6	107	15.8
1959	565	84.4	258	38.5	307	45.8	15	†	920	137.5	123	18.3	2,382	356.0	29	4.3	58	8.6	231	34.5	97	14.4
1958	497	74.6	206	30.9	291	43.6	18	†	859	128.9	109	16.3	2,244	336.9	17	†	53	7.9	260	39.0	101	15.1
1957	541	81.1	219	32.8	322	48.2	20	2.9	877	131.4	118	17.6	2,290	343.3	23	3.4	71	10.6	249	37.3	105	15.7
1956	574	87.5	265	40.3	309	47.1	22	3.3	932	142.0	98	14.9	2,165	330.0	32	4.8	83	12.6	211	32.1	98	14.9
1955	549	86.3	239	37.5	310	48.7	28	4.4	829	130.3	108	16.9	2,116	332.7	21							

**Table D-4**  
**Frequency and Rate of Death from Selected Communicable Disease by Year\***  
**Montana, 1930-2014**

Year	Botulism+		Diphtheria		Influenza		Measles		Meningococcal Infection		Poliomyelitis		Rocky Mountain Spotted Fever		Tuberculosis		Typhoid Fever		Whooping Cough	
	Number	Rate^	Number	Rate^	Number	Rate^	Number	Rate^	Number	Rate^	Number	Rate^	Number	Rate^	Number	Rate^	Number	Rate^	Number	Rate^
2014	0	‡	0	‡	10	‡	0	‡	0	‡	2	‡	0	‡	4	‡	0	‡	1	‡
2013	0	‡	0	‡	33	3.2	0	‡	0	‡	0	‡	0	‡	2	‡	0	‡	0	‡
2012	0	‡	0	‡	12	‡	0	‡	0	‡	3	‡	0	‡	1	‡	0	‡	0	‡
2011	0	‡	0	‡	6	‡	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡
2010	0	‡	0	‡	0	‡	0	‡	0	‡	2	‡	0	‡	0	‡	0	‡	0	‡
2009	0	‡	0	‡	6	‡	0	‡	0	‡	3	‡	0	‡	0	‡	0	‡	0	‡
2008	0	‡	0	‡	3	‡	0	‡	2	‡	7	‡	0	‡	5	‡	0	‡	0	‡
2007	0	‡	0	‡	5	‡	0	‡	0	‡	2	‡	0	‡	1	‡	0	‡	0	‡
2006	0	‡	0	‡	6	‡	0	‡	0	‡	5	‡	0	‡	1	‡	0	‡	0	‡
2005	0	‡	0	‡	26	2.7	0	‡	0	‡	0	‡	0	‡	3	‡	0	‡	1	‡
2004	0	‡	0	‡	4	‡	0	‡	0	‡	2	‡	0	‡	0	‡	0	‡	0	‡
2003	0	‡	0	‡	18	‡	0	‡	0	‡	2	‡	0	‡	1	‡	0	‡	0	‡
2002	0	‡	0	‡	7	‡	0	‡	0	‡	1	‡	0	‡	0	‡	0	‡	0	‡
2001	0	‡	0	‡	3	‡	0	‡	2	‡	1	‡	0	‡	3	‡	0	‡	0	‡
2000	0	‡	0	‡	10	‡	0	‡	0	‡	1	‡	0	‡	4	‡	0	‡	0	‡
1999	0	‡	0	‡	35	3.8	0	‡	1	‡	0	‡	0	‡	3	‡	0	‡	0	‡
1998	0	‡	0	‡	60	6.7	0	‡	0	‡	1	‡	0	‡	4	‡	0	‡	0	‡
1997	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡
1996	0	‡	0	‡	11	‡	0	‡	2	‡	2	‡	0	‡	1	‡	0	‡	1	‡
1995	0	‡	0	‡	6	‡	0	‡	1	‡	2	‡	0	‡	2	‡	0	‡	0	‡
1994	0	‡	0	‡	15	‡	0	‡	1	‡	0	‡	0	‡	6	‡	0	‡	0	‡
1993	0	‡	0	‡	13	‡	0	‡	0	‡	0	‡	0	‡	2	‡	0	‡	0	‡
1992	0	‡	0	‡	7	‡	0	‡	0	‡	1	‡	0	‡	4	‡	0	‡	0	‡
1991	0	‡	0	‡	7	‡	0	‡	0	‡	1	‡	0	‡	4	‡	0	‡	0	‡
1990	0	‡	0	‡	15	‡	0	‡	2	‡	0	‡	0	‡	2	‡	0	‡	0	‡
1989	0	‡	0	‡	19	‡	0	‡	0	‡	2	‡	0	‡	5	‡	0	‡	0	‡

Dark shaded rows indicate years in which the International Statistical Classification of Diseases and Related Health Problems (ICD) was revised. Classification of certain causes of death may have varied somewhat because of those coding changes alone. Details are provided by the World Health Organization at <http://www.who.int/classifications/icd/en/>

\* Data prior to 1946 are by place of occurrence. Beginning in 1946, data are by place of residence.

+ Prior to 1949 the International Classification of Diseases did not permit identification of botulism as such. The more general rubric of "Food Poisoning" was reported. The deaths shown prior to 1968 include those assigned to "Food Poisoning Unspecified".

^ Per 100,000 estimated midyear population. U.S. Census enumerations are used for years ending in zero prior to 1990.

‡ Figure does not meet standards of reliability or precision. See "Limitations Of Small Numbers" in the "Technical Overview" section.

**Table D-4**  
**Frequency and Rate of Death from Selected Communicable Disease by Year\***  
**Montana, 1930-2014**

Year	Botulism+		Diphtheria		Influenza		Measles		Meningococcal Infection		Poliomyelitis		Rocky Mountain Spotted Fever		Tuberculosis		Typhoid Fever		Whooping Cough	
	Number	Rate <sup>^</sup>	Number	Rate <sup>^</sup>	Number	Rate <sup>^</sup>	Number	Rate <sup>^</sup>	Number	Rate <sup>^</sup>	Number	Rate <sup>^</sup>	Number	Rate <sup>^</sup>	Number	Rate <sup>^</sup>	Number	Rate <sup>^</sup>	Number	Rate <sup>^</sup>
1988	0	‡	0	‡	21	2.6	0	‡	0	‡	1	‡	0	‡	2	‡	0	‡	0	‡
1987	0	‡	0	‡	9	‡	0	‡	0	‡	0	‡	0	‡	4	‡	0	‡	0	‡
1986	0	‡	0	‡	24	2.9	0	‡	0	‡	0	‡	0	‡	5	‡	0	‡	0	‡
1985	0	‡	0	‡	24	2.9	0	‡	3	‡	0	‡	0	‡	5	‡	0	‡	1	‡
1984	0	‡	0	‡	19	‡	0	‡	0	‡	2	‡	0	‡	10	‡	0	‡	0	‡
1983	0	‡	0	‡	26	3.1	0	‡	1	‡	1	‡	0	‡	1	‡	0	‡	0	‡
1982	0	‡	0	‡	8	‡	0	‡	1	‡	0	‡	0	‡	7	‡	0	‡	0	‡
1981	1	‡	0	‡	10	‡	0	‡	1	‡	0	‡	0	‡	7	‡	0	‡	0	‡
1980	0	‡	0	‡	24	3.0	0	‡	0	‡	0	‡	0	‡	6	‡	0	‡	0	‡
1979	0	‡	0	‡	4	‡	0	‡	4	‡	0	‡	0	‡	5	‡	0	‡	0	‡
1978	0	‡	0	‡	19	‡	0	‡	2	‡	1	‡	0	‡	11	‡	0	‡	0	‡
1977	0	‡	0	‡	9	‡	0	‡	2	‡	0	‡	0	‡	4	‡	0	‡	0	‡
1976	0	‡	0	‡	95	12.6	0	‡	0	‡	0	‡	0	‡	9	‡	0	‡	0	‡
1975	0	‡	0	‡	17	‡	0	‡	0	‡	1	‡	1	‡	13	‡	0	‡	0	‡
1974	0	‡	0	‡	11	‡	0	‡	1	‡	1	‡	0	‡	17	‡	0	‡	0	‡
1973	0	‡	0	‡	43	5.9	0	‡	2	‡	0	‡	0	‡	13	‡	0	‡	0	‡
1972	0	‡	0	‡	15	‡	0	‡	2	‡	0	‡	0	‡	11	‡	0	‡	0	‡
1971	0	‡	0	‡	9	‡	2	‡	2	‡	1	‡	0	‡	1	‡	0	‡	1	‡
1965	0	‡	0	‡	5	‡	0	‡	3	‡	0	‡	0	‡	22	3.1	0	‡	0	‡
1960	0	‡	0	‡	37	5.4	1	‡	3	‡	7	‡	1	‡	31	4.5	0	‡	1	‡
1955	0	‡	1	‡	12	‡	4	‡	5	‡	8	‡	0	‡	50	7.8	0	‡	1	‡
1950	0	‡	2	‡	23	3.8	0	‡	1	‡	3	‡	1	‡	114	19.2	0	‡	10	‡
1945	1	‡	4	‡	47	9.3	1	‡	3	‡	10	‡	1	‡	171	33.8	2	‡	2	‡
1940	2	‡	6	‡	77	13.7	5	‡	6	‡	7	‡	7	‡	231	41.2	3	‡	5	‡
1935	3	‡	14	‡	173	31.5	49	8.9	15	‡	1	‡	21	3.8	257	46.8	12	‡	22	4.0
1930	7	‡	4	‡	102	18.9	12	‡	22	4.0	6	‡	9	‡	337	62.6	16	‡	16	‡

Dark shaded rows indicate years in which the International Statistical Classification of Diseases and Related Health Problems (ICD) was revised. Classification of certain causes of death may have varied somewhat because of those coding changes alone. Details are provided by the World Health Organization at <http://www.who.int/classifications/icd/en/>

\* Data prior to 1946 are by place of occurrence. Beginning in 1946, data are by place of residence.

+ Prior to 1949 the International Classification of Diseases did not permit identification of botulism as such. The more general rubric of "Food Poisoning" was reported. The deaths shown prior to 1968 include those assigned to "Food Poisoning Unspecified".

<sup>^</sup> Per 100,000 estimated midyear population. U.S. Census enumerations are used for years ending in zero prior to 1990.

‡ Figure does not meet standards of reliability or precision. See "Limitations Of Small Numbers" in the "Technical Overview" section.

**Table D-5  
Frequency of Death from Selected Cancers by Sex of Decedent and Year of Death  
Montana Residents, 1960-2014**

Year Of Death	All Cancers		Prostate	Breast		Trachea, Lung & Bronchus		Colon, Rectum & Anus		Bladder		Uterus	Hodgkin's & Non-Hodgkin's		Ovary	Pancreas		Cervix	Other Cancers	
	Male	Female	Male	Male	Female	Male	Female	Male	Female	Male	Female	Female	Male	Female	Female	Male	Female	Female	Male	Female
2014	1,079	975	121	0	135	273	283	104	85	42	20	28	47	31	42	60	68	7	432	276
2013	1,037	946	114	2	137	250	240	94	67	47	15	36	33	28	49	72	66	19	425	289
2012	1,024	903	101	1	133	262	231	92	81	44	18	25	46	40	54	46	58	10	432	253
2011	1,074	918	105	2	134	323	253	89	70	46	11	25	46	22	60	77	59	5	386	279
2010	1,032	880	133	2	133	238	236	92	76	54	10	25	46	22	56	56	52	7	411	263
2009	993	916	132	1	146	244	233	100	100	44	14	23	43	37	64	67	42	13	362	244
2008	997	857	120	2	103	303	237	73	87	36	13	24	43	29	53	60	58	9	360	244
2007	984	922	115	0	116	290	272	74	87	38	16	23	35	41	55	60	47	9	372	256
2006	1,023	917	129	0	111	287	237	100	104	30	9	28	41	31	50	66	62	10	370	275
2005	1,020	927	129	0	134	301	249	99	88	33	14	33	44	36	59	60	53	11	354	250
2004	963	895	130	1	138	262	240	80	69	39	16	29	49	37	52	58	55	10	344	249
2003	961	877	109	1	115	298	236	78	86	34	13	20	41	43	50	48	41	12	352	261
2002	959	942	110	2	150	287	240	100	84	28	11	31	38	29	64	45	44	9	349	280
2001	1,045	907	124	0	124	322	256	105	80	39	15	23	56	35	43	39	61	7	360	263
2000	1,008	853	108	2	130	279	204	108	90	37	17	26	41	30	50	57	43	13	376	250
1999	978	867	128	3	122	288	217	93	92	29	13	19	32	52	52	49	40	15	356	245
1998	1,009	807	125	2	118	321	204	95	70	36	13	27	44	35	46	54	38	12	332	244
1997	958	821	151	0	116	264	212	100	80	32	13	18	58	40	54	44	37	11	309	240
1996	942	820	125	0	143	291	194	95	86	20	9	20	39	47	41	38	42	13	334	225
1995	918	847	125	0	159	263	201	89	83	40	6	19	43	36	51	57	55	8	301	229
1994	975	765	133	1	123	283	174	99	85	35	9	18	45	33	45	51	43	12	328	223
1993	941	797	158	3	138	278	172	107	94	24	12	21	37	37	43	48	45	19	286	216
1992	927	783	147	0	143	279	162	86	79	25	14	22	39	32	45	31	60	14	320	212
1991	894	762	118	1	122	289	175	95	87	31	8	20	42	37	42	46	53	13	272	205
1990	863	767	130	0	151	267	140	92	88	25	17	28	30	42	35	33	50	11	286	205
1989	880	713	150	0	127	257	133	106	105	33	9	18	41	18	43	35	40	17	258	203
1988	831	730	110	4	117	251	163	95	74	25	16	17	35	34	44	41	50	16	270	199
1987	832	684	121	3	124	259	117	103	95	23	7	23	34	29	50	28	39	9	261	191
1986	791	684	134	0	130	233	124	91	85	30	12	25	26	22	42	37	43	17	240	184
1985	829	616	118	1	108	223	118	100	84	44	8	23	27	26	35	48	31	15	268	168
1984	763	704	88	1	124	231	128	83	91	17	11	28	28	26	38	43	39	16	272	203
1983	732	618	92	2	112	218	90	73	64	24	3	20	30	22	45	38	54	12	255	196
1982	757	627	120	2	130	218	92	82	70	27	11	32	18	21	37	42	31	15	248	188
1981	712	631	109	0	125	207	92	84	84	21	15	13	25	31	40	36	29	9	230	193
1980	743	548	91	0	98	237	75	83	82	23	9	14	26	26	34	49	36	15	234	159
1979	672	568	99	1	105	194	69	77	84	27	12	23	17	18	39	37	31	20	220	167
1978	703	530	113	1	95	199	86	85	72	26	9	22	24	17	36	38	26	14	217	153
1977	677	507	81	0	90	207	60	82	66	28	7	16	28	13	35	42	34	13	209	173
1976	684	507	92	0	107	197	58	90	70	24	13	18	30	17	29	31	35	9	220	151

Dark shaded rows indicate years in which the International Statistical Classification of Diseases and Related Health Problems (ICD) was revised. Classification of certain causes of death may have varied somewhat because of those coding changes alone. Details are provided by the World Health Organization at <http://www.who.int/classifications/icd/en/>

**Table D-5**  
**Frequency of Death from Selected Cancers by Sex of Decedent and Year of Death**  
**Montana Residents, 1960-2014**

Year Of Death	All Cancers		Prostate	Breast		Trachea, Lung & Bronchus		Colon, Rectum & Anus		Bladder		Uterus	Hodgkin's & Non-Hodgkin's		Ovary	Pancreas		Cervix	Other Cancers	
	Male	Female	Male	Male	Female	Male	Female	Male	Female	Male	Female	Female	Male	Female	Female	Male	Female	Female	Male	Female
1975	629	476	74	0	85	167	53	81	70	20	4	20	20	20	30	33	34	15	234	145
1974	629	501	76	1	88	196	48	79	80	25	5	19	31	24	28	33	42	22	188	145
1973	580	481	86	0	85	172	37	67	87	19	8	9	19	21	25	30	42	15	187	152
1972	637	485	79	0	92	164	44	85	69	25	7	16	17	20	25	37	34	16	230	162
1971	643	408	70	3	88	177	35	78	58	35	8	11	23	15	17	35	27	18	222	131
1970	598	461	75	2	101	152	34	66	74	31	9	14	23	17	26	43	24	20	206	142
1969	619	422	66	0	93	158	28	83	71	26	7	15	34	23	19	39	23	13	213	130
1968	604	476	66	0	96	150	23	64	59	38	4	18	33	16	38	46	31	22	207	169
1967	549	452	66	0	98	121	26	81	63	26	6	19	20	17	37	39	18	28	196	140
1966	571	398	59	0	87	125	16	65	63	23	5	23	26	18	24	45	16	15	228	131
1965	546	387	71	0	78	121	23	73	66	20	4	15	25	17	23	43	17	23	193	121
1964	577	409	78	1	79	114	13	65	57	19	6	20	32	11	26	40	16	32	228	149
1963	543	353	59	1	68	103	16	71	51	19	8	16	31	13	20	32	21	20	227	120
1962	528	383	65	0	84	109	12	64	54	15	3	14	26	14	28	44	22	21	205	131
1961	524	441	62	0	98	115	23	78	76	20	7	17	22	14	27	30	21	27	197	131
1960	557	401	78	0	85	121	17	81	56	16	7	20	32	9	25	30	20	26	199	136

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**Table D-6**  
**Frequency of Infant Deaths by Age and up to 130 Selected Underlying Causes**  
**Montana Residents, 2014**

Cause of Death	Total	0 to 7 Days	8 to 27 Days	28 Days to One Year
All Causes	68	42	7	19
(#) Diseases of the circulatory system	3	1	1	1
(40) Pericarditis, endocarditis and myocarditis	1	0	1	0
(43) Cerebrovascular diseases	2	1	0	1
Diseases of the respiratory system	2	1	0	1
(52) Other and unspecified diseases of respiratory system	2	1	0	1
Diseases of the digestive system	2	1	0	1
(55) All other and unspecified diseases of digestive system	2	1	0	1
Certain conditions originating in the perinatal period	28	26	2	0
Newborn affected by maternal factors and by complications of pregnancy, labor and delivery	10	10	0	0
# Newborn affected by maternal complications of pregnancy	20	20	0	0
(60) Newborn affected by incompetent cervix	1	1	0	0
(61) Newborn affected by premature rupture of membranes	4	4	0	0
(62) Newborn affected by multiple pregnancy	1	1	0	0
(#) Newborn affected by complications of placenta, cord and membranes	4	4	0	0
(64) Newborn affected by complications involving placenta	3	3	0	0
(66) Newborn affected by chorioamnionitis	1	1	0	0
Disorders related to length of gestation and fetal malnutrition	10	10	0	0
(#) Disorders related to short gestation and low birth weight, not elsewhere classified	10	10	0	0
(71) Extremely low birth weight or extreme immaturity	8	8	0	0
(72) Other low birth weight or preterm	2	2	0	0
(77#) Respiratory distress of newborn	2	2	0	0
Other respiratory conditions originating in the perinatal period	3	3	0	0
(79#) Neonatal aspiration syndromes	1	1	0	0
(81#) Pulmonary hemorrhage originating in the perinatal period	2	2	0	0
Infections specific to the perinatal period	1	0	1	0
(87) All other infections specific to the perinatal period	1	0	1	0
Hemorrhagic and hematological disorders of newborn	1	0	1	0
(88#) Neonatal hemorrhage	1	0	1	0
(95) Other perinatal conditions	1	1	0	0
(#) Congenital malformations, deformations and chromosomal abnormalities	13	10	1	2
(99) Other congenital malformations of nervous system	1	1	0	0
(100) Congenital malformations of heart	3	2	0	1
(104) Congenital malformations of genitourinary system	1	1	0	0
(105) Congenital malformations and deformations of musculoskeletal system, limbs and integument	4	3	0	1
(107) Edward's syndrome	2	2	0	0
(108) Patau's syndrome	1	0	1	0
(109) Other congenital malformations and deformations	1	1	0	0
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	15	2	2	11
(111#) Sudden infant death syndrome	5	0	1	4
(112) Other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	10	2	1	7
(113) All other diseases (Residual)	1	0	1	0
External causes of mortality	4	1	0	3
(#) Accidents (unintentional injuries)	2	0	0	2
(118) Accidental drowning and submersion	1	0	0	1
(119) Accidental suffocation and strangulation in bed	1	0	0	1
(129#) Complications of medical and surgical care	1	1	0	0
(130) Other external causes	1	0	0	1

Line numbers shown in parentheses on this table correspond to categories and code ranges in the table at <http://dphhs.mt.gov/Portals/85/publichealth/documents/Epidemiology/VSU/List%20of%20130%20Selected%20Causes%20of%20Infant%20Death.pdf>. Those marked with a "#" sign are rankable as leading causes.

**Table D-7**  
**Frequency of Infant Deaths by Age in Days**  
**and Five-Year Infant Mortality Rate**  
**Montana Residents, 1990-2014**

Year	Births	0-7 Days	8-27 Days	28 Days to 1 Year	Infant Deaths	Infant Death Rate*
2010-2014	60,931	176	40	126	345	5.7
2005-2009	61,384	163	46	174	386	6.3
2000-2004	55,836	173	36	134	346	6.2
1995-1999	54,381	170	33	175	381	7.0
1990-1994	56,992	182	39	217	439	7.7

\* Rate per 1,000 live births

**Table D-8  
Frequency of Maternal and Late Maternal Deaths\* by Year  
Montana Residents, 2004-2014**

Cause of Death	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004
<b>Total, all Maternal and Late Maternal Causes</b>	4	6	2	7	2	5	2	4	2	6	9
<b>Maternal causes (A34,O00-O95,O98-O99)</b>	3	4	0	5	1	5	1	2	0	1	2
Pregnancy with abortive outcome (O00-O07)	0	0	0	0	0	0	0	0	0	0	0
Ectopic pregnancy (O00)	0	0	0	0	0	0	0	0	0	0	0
Spontaneous abortion (O03)	0	0	0	0	0	0	0	0	0	0	0
Medical abortion (O04)	0	0	0	0	0	0	0	0	0	0	0
Other abortion (O05)	0	0	0	0	0	0	0	0	0	0	0
Other and unspecified pregnancy with abortive outcome (O01-O02,O06-O07)	0	0	0	0	0	0	0	0	0	0	0
Other direct obstetric causes (A34,O10-O92)	3	3	0	1	0	1	1	1	0	0	2
Eclampsia and pre-eclampsia (O11,O13-O16)	0	1	0	1	0	1	0	1	0	0	0
Hemorrhage of pregnancy and childbirth and placenta previa (O20,O44-O46,O67,O72)	0	0	0	0	0	0	0	0	0	0	1
Complications predominately related to the puerperium (A34,O85-O92)	0	0	0	0	0	0	0	0	0	0	0
Obstetrical tetanus (A34)	0	0	0	0	0	0	0	0	0	0	0
Obstetric embolism (O88)	0	0	0	0	0	0	0	0	0	0	0
Other complications predominately related to the puerperium (O85-O87,O89-O92)	0	0	0	0	0	0	0	0	0	0	0
All other direct obstetric causes (O10,O12,O21-O43,O47-O66,O68-O71,O73-O75)	3	2	0	0	0	0	1	0	0	0	1
Obstetric death of unspecified cause (O95)	0	1	0	1	1	0	0	0	0	0	0
Indirect obstetric causes (O98-O99)	0	0	0	3	0	4	0	1	0	1	0
<b>Maternal causes more than 42 days after delivery or termination of pregnancy (O96-O97)</b>	1	2	2	2	1	0	1	2	2	5	7
Death from any obstetric cause occurring more than 42 days but less than one year after delivery (O96)	1	2	2	2	1	0	1	2	2	5	7
Death from sequelae of direct obstetric causes (O97)	0	0	0	0	0	0	0	0	0	0	0

\* A "maternal death" is the death of a female while pregnant or within 42 days of termination of pregnancy, irrespective of the duration and site of pregnancy, from any cause related to or aggravated by the pregnancy or its management, but not from accident or incidental causes. Maternal conditions are those assigned to pregnancy, childbirth, and the puerperium (ICD-10 codes A34, 000-095, and 098-099). "Late maternal deaths" are those attributed to the same causes but which occurred more than 42 days after termination of the pregnancy. The 2003 revision of the Montana death certificate added a pregnancy history item which indicates whether the decedent was pregnant within the 12 months prior to death. This new item makes the identification of a greater number of maternal and late maternal deaths possible.

**Table D-9  
Age at Death and Years of Potential Life Lost Before Age 75  
by Cause of Death, Central Tendency and Dispersion\*  
Montana Residents, 2010-2014**

Cause of Death	Decedents younger than 75 years of age						Decedents of all ages							
	Average YPLL			Number of decedents younger than 75	Total YPLL	Minimum Age	Mean Age	Median Age			Maximum Age	Standard Deviation	Number of Deaths	
	Race							Race						
	All Races	White	AI/AN	All Races	White	AI/AN								
All Causes	17.9	17.0	25.2	19,445	348,361	0	73.7	78	79	60	114	18.4	45,482	
HIV Infection	24.3	24.1	30.0	23	559	36	52.1	51.5	51	45	84	11.4	24	
Cancer	12.4	12.2	15.0	5,426	67,195	0	71.9	73	73	67	103	13.1	9,868	
Diabetes	14.1	13.8	15.3	575	8,114	20	73.5	76	78	67	102	14.9	1,205	
Alzheimer's Disease	5.4	5.4	6.5	81	441	54	86.8	88	88	84	103	7.3	1,338	
Heart Disease	13.2	12.9	16.3	3,404	44,856	0	77.7	81	82	68	106	14.2	9,541	
Cerebrovascular Disease	12.5	12.4	13.3	539	6,759	0	81.0	84	84	70.5	106	12.9	2,308	
Atherosclerosis	12.8	11.8	18.3	20	255	48	81.1	83	83	59.5	105	12.4	93	
Influenza And Pneumonia	15.8	14.4	26.8	211	3,332	0	81.0	86	86	72	108	15.5	864	
Chronic Lower Respiratory Diseases	9.2	9.2	11.3	1,165	10,772	0	77.2	78	78	74	104	11.0	3,149	
Chronic Liver Disease And Cirrhosis	19.9	17.8	25.4	630	12,542	21	57.4	57	59	51	94	12.2	696	
Nephritis, Nephrotic Syndrome & Nephrosis	12.9	11.4	20.7	169	2,185	24	79.1	82	83	69	104	13.6	585	
Congenital Malformations & Chromosomal Anomalies	54.6	53.1	64.1	148	8,085	0	27.5	1	15	0	96	32.1	166	
Conditions Originating In Perinatal Period	74.6	74.5	75.0	131	9,770	0	0.4	0	0	0	43	3.8	131	
Sudden Infant Death Syndrome	75.0	75.0	75.0	48	3,600	0	0.0	0	0	0	0	0.0	48	
Accidents	33.2	32.1	38.0	1,938	64,280	0	56.2	55	59	37	109	26.1	2,843	
Motor Vehicle Accidents	36.9	35.8	41.3	922	34,011	1	41.4	39	41	30	95	20.8	996	
Non-Motor Vehicle Accidents	29.8	28.9	34.4	1,016	30,269	0	64.2	69	73	45	109	25.2	1,846	
Suicide	31.6	30.1	44.4	1,070	33,819	11	46.6	47	49	27	99	18.8	1,164	
Homicide	36.8	35.9	39.7	134	4,931	0	39.4	39.5	41	33	87	18.7	138	
Other Causes	17.9	17.0	24.0	3,733	66,866	0	77.3	82	83	60.5	114	17.5	11,321	

\* The mean is the arithmetic average and the median is the midpoint. The standard deviation measures the concentration of distribution around the mean.

**Table F-1**  
**Frequency of Fetal Death by Completed Weeks of Gestation and up to 124 Selected Underlying Causes**  
**Montana Residents, 2014**

Cause Of Death	All Gestational Ages	Less Than 23 Weeks	23 To 33 Weeks	34 Weeks Or More	Not Stated
All Causes	52	4	27	20	1
Certain conditions originating in the perinatal period	46	3	25	18	0
(#) Fetus affected by maternal conditions that may be unrelated to present pregnancy	1	0	0	1	0
(20) Fetus affected by other maternal circulatory and respiratory diseases	1	0	0	1	0
(#) Fetus affected by maternal complications of pregnancy	4	1	3	0	0
(27) Fetus affected by premature rupture of membranes	3	1	2	0	0
(28) Fetus affected by oligohydramnios	1	0	1	0	0
(#) Fetus affected by complications of placenta, cord and membranes	18	1	11	6	0
(36) Fetus affected by other forms of placental separation and hemorrhage	6	1	4	1	0
(37) Fetus affected by other and unspecified morphological and functional abnormalities of placenta	3	0	1	2	0
(39) Fetus affected by prolapsed cord	1	0	1	0	0
(40) Fetus affected by other compression of umbilical cord	4	0	2	2	0
(41) Fetus affected by other and unspecified conditions of umbilical cord	1	0	1	0	0
(42) Fetus affected by chorioamnionitis	3	0	2	1	0
(#) Fetus affected by other complications of labor and delivery	1	0	0	1	0
(51) Fetus affected by other and unspecified complications of labor and delivery	1	0	0	1	0
(52#) Fetus affected by noxious influences transmitted via placenta	1	0	1	0	0
Transitory endocrine and metabolic disorders specific to fetus	2	0	1	1	0
(84#) Syndrome of infant of a diabetic mother and neonatal diabetes mellitus	2	0	1	1	0
Other conditions originating in the perinatal period	19	1	9	9	0
(87#) Hydrops fetalis not due to hemolytic disease	2	0	2	0	0
(88#) Fetal death of unspecified cause	17	1	7	9	0
(#) Congenital malformations, deformations and chromosomal abnormalities	6	1	2	2	1
(103) Congenital malformations of heart	1	0	1	0	0
(104) Other congenital malformations of circulatory system	1	0	0	1	0
Other congenital malformations	1	0	0	0	1
(115) All other congenital malformations	1	0	0	0	1
Chromosomal abnormalities, not elsewhere classified	3	1	1	1	0
(117) Edward's syndrome	2	0	1	1	0
(119) Other chromosomal abnormalities, not elsewhere classified	1	1	0	0	0

\* Line numbers shown in parentheses on this table correspond to categories and code ranges in the table at <http://dphhs.mt.gov/Portals/85/publichealth/documents/Epidemiology/VSU/List%20of%20124%20Selected%20Causes%20of%20Fetal%20Death.pdf>.

