



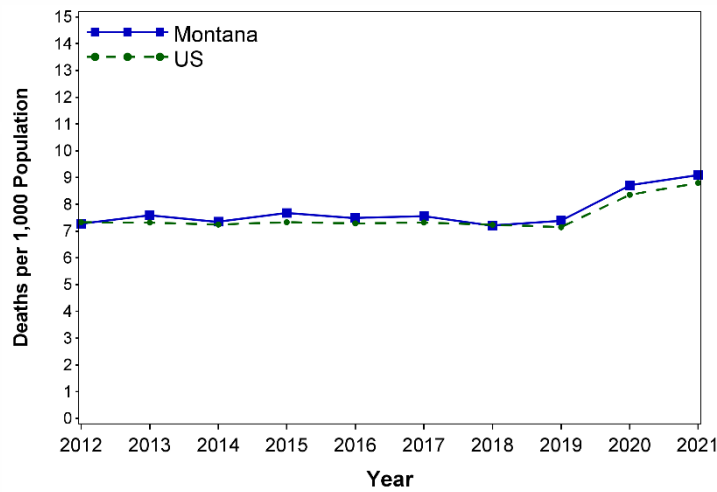
2021

Montana Vital Statistics

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**Age-Adjusted Death Rates
Montana and U.S. Residents, 2012-2021**



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 (births, deaths, fetal deaths, abortions, marriages, and divorces 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, health status assessment, and service assurance.

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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), Epidemiology and Scientific Support Bureau (ESSB). ESSB 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 this report is intended primarily for reference, analysis and interpretation of the data are limited.

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 [ESSB contact webpage](#).

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 2021 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” 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
A	induced abortion statistics

Records collected by the Office of Vital Statistics (OVS)

provide most 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 ESSB 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.

Except for 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:

NATALITY (birth records, 1989 to current data year)
Date, hour, and place of birth.
Age, race, Hispanic origin, 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.

MORTALITY (death records, 1989 to current data year)
Date, hour, and place of death, decedent's age at death, sex, race, Hispanic origin, 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.

FETAL MORTALITY (1989 to current data year)
Date, hour, and place of delivery.
Age, race, Hispanic origin, 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.

INDUCED ABORTION (1989 to current data year)
Date, and place of procedure.
Age, race, Hispanic origin, education, marital status, birth date, and county of residence of patient.
Pregnancy history, including date of last normal menses, clinical estimate of gestation, and number and result of prior pregnancies.
Primary procedure that terminated pregnancy, additional procedures used, and resulting complications.

TECHNICAL OVERVIEW

Data Sources and Limitations

Delay in Reporting

This report reflects vital records, reports, and transcripts for calendar year 2021 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.

Certification of COVID-19 Deaths

Early in 2020, NCHS provided [guidance](#) in certifying deaths due to COVID-19. Certifiers were instructed to

list COVID-19 in Part I of the death certificate when a definitive diagnosis of the disease was made. For cases in which COVID-19 complicated pre-existing medical conditions (e.g., chronic obstructive pulmonary disease or asthma), it was appropriate to report COVID-19 in Part II. Presumed or probable cases where COVID-19 was suspected or likely, were also to be reported based on the certifiers best clinical judgement.

All tabulations of COVID-19 deaths in this report are by the underlying cause of death (e.g., COVID-19 reported in Part I), consistent with all other diseases in this report.

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.

Induced Abortions

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.

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. Prior to 2020, this report uses 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**). For 2020 and later, this report uses single-race population estimates produced by the Census Bureau. Population 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. ESSB uses the latest available updates of these population estimates for such calculations. Further explanation can be found at the [National Vital Statistics System web site](#).

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 2020 Census, about nine out of ten Montanans (88.7%) considered themselves to be white alone (i.e., indicating no other racial classification). About 6.6% considered themselves American Indian or Alaska Native (AI/AN) alone. Another 3.0% 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 (0.6%), Asian (1.0%), or Native Hawaiian or Pacific Islander (0.1%). 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. ESSB examines each record received for the certificant's national heritage, including affiliation with a known American Indian tribe, and classifies records accordingly.

Racial classifications shown in this report prior to 2020 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](#). 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.

Racial classifications shown in this report 2020 or later are based on a "single-race" category, in which six racial groups--white, black, American Indian or Alaska native (AI/AN), Asian, Pacific islander, or more than one--are reported. 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, with the exception of two categories being 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 15th 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 2000 U.S. 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^{th} age group in the standard population

where S_i = the age-specific death rate for the i^{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 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:

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

Crude Death Rate – the proportion of resident deaths in the total population, expressed as a number per thousand population, 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 childbearing, 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 aged 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 terminations (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 μ = the mean of the set of N values
where x_i = the i^{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.

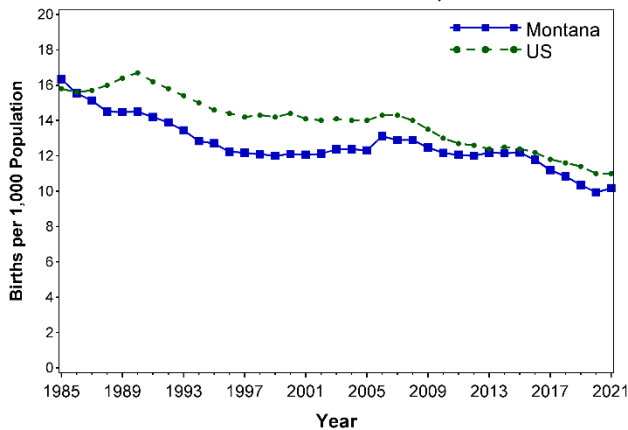
NATALITY

There were 11,231 babies born to Montana residents in 2021. **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 declined for nearly twenty years, from the early 1980s to 1999. However, the rate of births to Montana residents leveled off and even began to increase slightly in the mid-2000s. The rate climbed to 13.1 per 1,000 residents in 2006, and then continued to decline, reaching a rate of 10.2 per 1,000 residents in 2021 (**Figure 1**).

Figure 1
Birth Rates

Montana and the United States, 1985-2021



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 were higher for American Indian than for white women in Montana (**Figures 2 and 3**). The differences were especially notable for births to teens, aged 15 to 19 years; but teen birth rates have been declining among both American Indian and white residents.

Figure 2

Fertility Rates for White Mothers

Montana Teens and Mothers of All Ages, 2001-2021

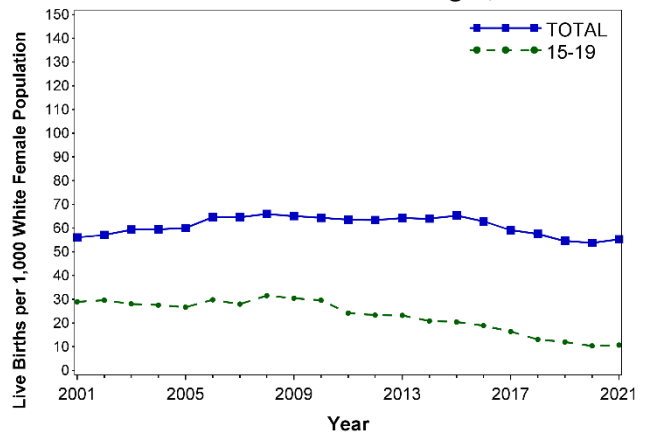
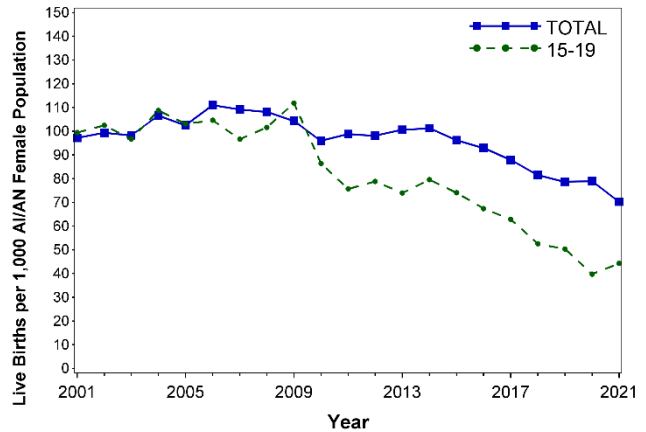


Figure 3

Fertility Rates for American Indian Mothers

Montana Teens and Mothers of All Ages, 2001-2021



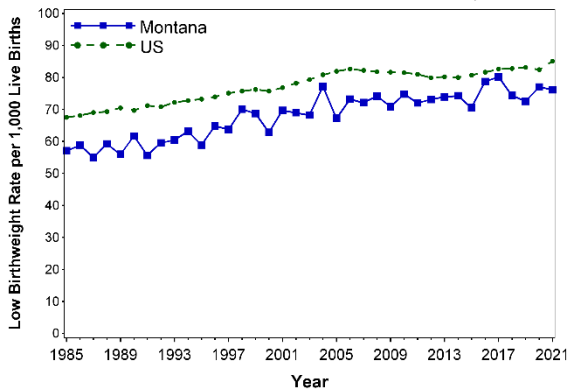
Low Birth Weight

The rate of low birth weight (less than 2,500 grams or five pounds, eight ounces) in Montana has been consistently lower than the national rate (**Figure 4, Table B-3**). Low birth weight is one of the most important risk factors for infant death, and it has been increasing in both Montana and the U.S. over the past several decades. The rate of low birth weight in Montana was 76.1 per 1,000 live births in 2021, up from 61.7 in 1990. The U.S. rate was 85.1 in 2021, up from 69.7 in 1990.

Figure 4

Rate of Low-Birth-Weight Births

Montana and United States Residents, 1985-2021



Mother’s Age, Race, and Marital Status

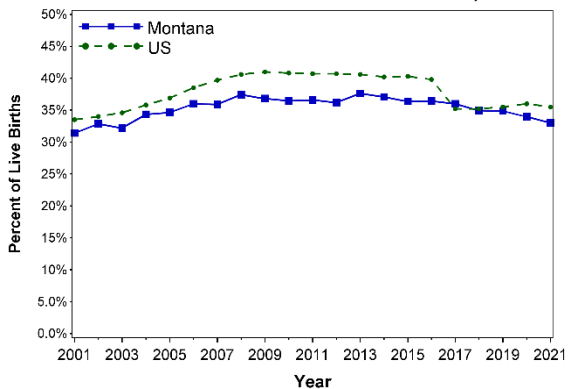
Among Montana residents giving birth in 2021, roughly half (48.9%) were between 20 and 29 years of age (Table S-5). Births to American Indian mothers comprised 9.7% of all births, and 87.5% births were to white mothers (Table S-3).

The proportion of unwed mothers has steadily increased over the past two decades (Figure 5). Births to unmarried mothers represented 33.0% of Montana’s resident births in 2021. By comparison, that figure was 35.5% for the U.S. Except for 2017, when the U.S. had an unusually low rate of births to unmarried mothers, the proportion of Montana mothers who were unmarried has been below the U.S. proportion for the last two decades.

Figure 5

Percent of Births to Unmarried Mothers

Montana and United States Residents, 2001-2021



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. 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.

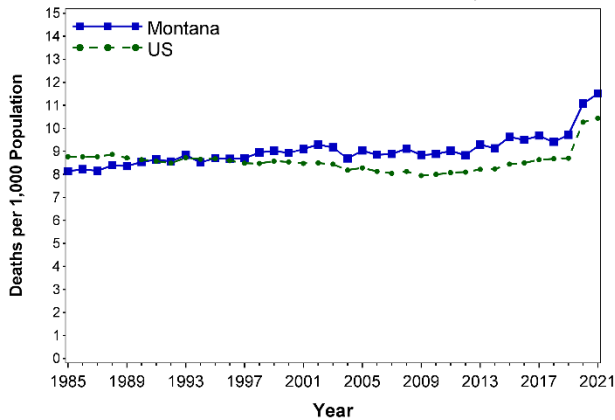
MORTALITY

There were 12,707 residents of Montana who died in 2021, the second consecutive year in which resident deaths exceeded resident births (**Table S-1**). Montana's crude death rate had been rising slowly from 8.1 deaths per thousand population in 1984 to 9.7 in 2019, but it drastically increased in 2020 to 11.1 and increased again in 2021 to 11.5 (**Figure 6**). This increase is primarily attributable to the emergence of a new communicable disease, COVID-19, which was responsible for the death of 2,694 Montana residents in 2020 and 2021 (**Table 3**). For comparison, the U.S. mortality rate was 10.4 deaths per thousand population in 2021. The discrepancy between Montana's crude death rate and the U.S. rate is likely due to Montana's aging population relative to the younger national population.

Figure 6

Crude Death Rates

Montana and United States Residents, 1985-2021



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 ("age adjusted death rate" is further defined in the Definitions section) While the crude death rate represents the absolute risk of death in a single population over a particular time, the age-adjusted rate offers a better comparison of the relative risk of death between populations in different geographic areas over a single time or in the same geographic area over different times.

Montana's age-adjusted rate, much like the crude rate, substantially increased in 2020 and increased again in 2021 (**Figure 7**). The discrepancies between Montana's

and the U.S. age-adjusted mortality rate are much smaller than the discrepancies between the crude rates. The age-adjusted mortality rate among Montana residents in 2021 was 9.1 per thousand population, and it was 8.8 among U.S. residents.

Montana's American Indian residents die at a younger median age than white residents (**Figure 9, Table D-9**). Over the past ten years, the age-adjusted mortality rate of American Indian women has been higher than that of white men (**Figure 8**). American Indian men have had the highest age-adjusted mortality rate, and white women have had the lowest.

Figure 7

Age-Adjusted Death Rates

Montana and United States Residents, 2012-2021

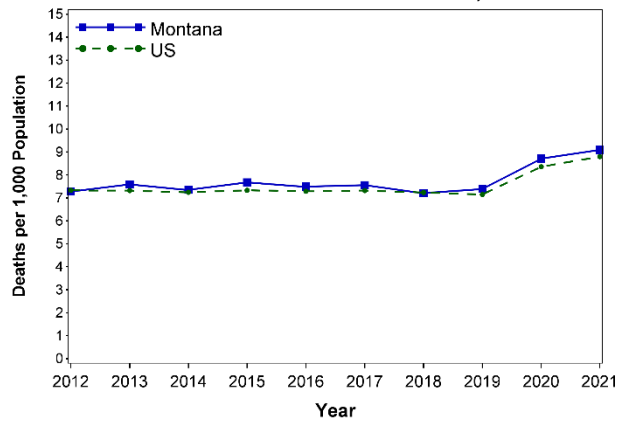


Figure 8

Age-Adjusted Death Rates by Race and Sex

Montana Residents, 2012-2021

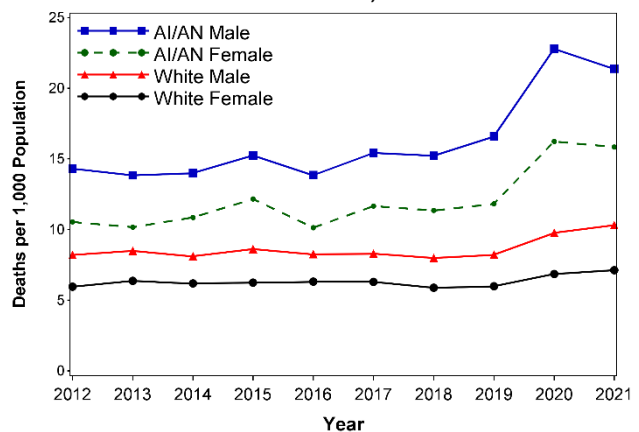
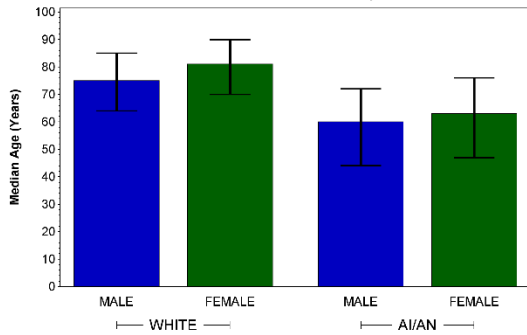


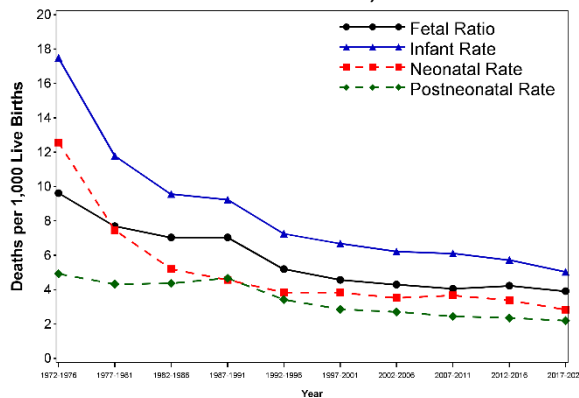
Figure 9
Median Age at Death,
25th and 75th Percentiles,
Montana Residents, 2017-2021



Fetal, Infant, and Maternal Deaths

There was a substantial decline in the five-year infant death rate during the last half century (**Figure 10 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 10
Five-Year Infant Mortality Rates
and Fetal Mortality Ratios
Montana Residents, 1972-2021



About half of all infant deaths in 2021 were caused by certain conditions originating in the perinatal period or by congenital malformations, deformations, and chromosomal anomalies (**Table D-6**).

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 1975 and yearly from 1976 through 2021. There were 37 resident fetal deaths and 55 resident infant deaths in Montana in 2021.

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 [NCHS Instruction Manual Part 9](#). For a complete list of the 130 potential causes of infant death that could appear in **Table D-6**, see the [NCHS Instruction Manual Part 9](#).)

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. (For a complete list of the 124 causes of fetal death that could appear in **Table F-1**, see the [NCHS Instruction Manual Part 9](#). **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 12 through 41, 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 [NCHS Instruction Manual Part 9](#).

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 are represented here so the reader can judge their usefulness for him or herself.

Montana’s overall (i.e., all-cause) age-adjusted death rate (**Figure 12**) was slightly higher than that of the U.S. in 2021, and Montana’s age-adjusted death rates are similar to those for the U.S. for many of the diseases displayed. Death rates for malignant neoplasms and for influenza and pneumonia were either slightly lower or virtually the same for all years displayed (**Figures 16 and 28**), and Montana’s rates for cerebrovascular disease (**Figure 18**), and Alzheimer’s disease (**Figure 36**), were substantially lower than those rates for the U.S.

For deaths from certain other 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 20**). Montana’s rates for chronic liver disease and cirrhosis were also higher than the U.S. rate in all years for which direct comparisons are shown (**Figure 38**).

The trends of U.S. and Montana rates for all accidental deaths have been increasing (**Figure 22**), and Montana’s are typically much higher than those for the U.S. The overall trend for motor vehicle deaths is largely flat, and

Montana’s rates are much higher than the U.S. rates (**Figure 24**). Both the Montana and the U.S. rate for non-motor vehicle deaths are increasing, and they were very similar to each other in 2021. (**Figure 26**). Montana’s suicide rate increased substantially in 2021, and it is noteworthy that the Montana suicide rate was often nearly twice the U.S. rate in the period shown (**Figure 32**). Montana’s homicide rate has been largely consistent since 2012, with the exception of a substantial increase in 2020 (**Figure 40**).

Figure 11 shows the age-adjusted rates for several leading causes of death from 2017-2021. These rates were largely similar to the rates for 2021 alone. One that was much smaller, however, was COVID-19. This is because there were no COVID-19 deaths from 2017-2019. COVID-19 was the third leading cause of death among Montana residents in 2021 (**Figure S-4**).

Figure 11
Age-Adjusted Death Rate by Cause of Death
Montana Residents, 2017-2021

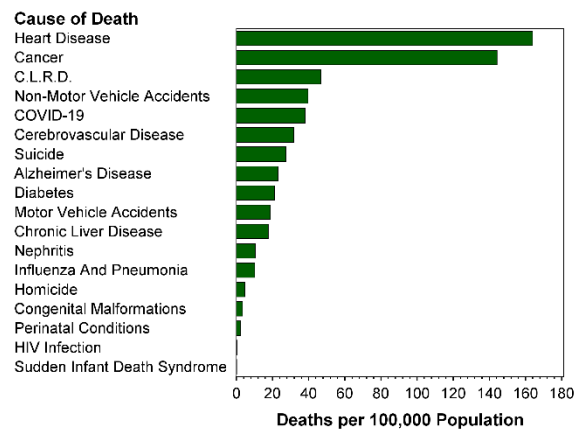


Figure 12
Age-Adjusted Death Rates for
All Causes

Montana and U.S. Residents, 2012-2021

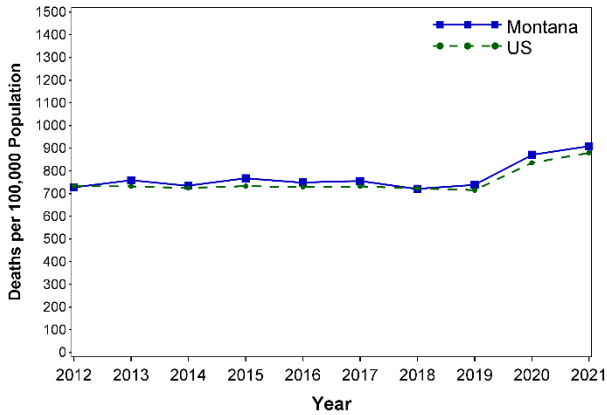


Figure 13
Age-Specific Death Rates for
All Causes

Montana Residents, 2021

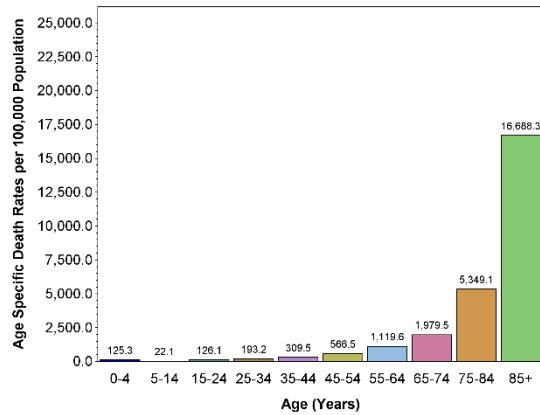


Figure 14
Age-Adjusted Death Rates for
Diseases of Heart

Montana and U.S. Residents, 2012-2021

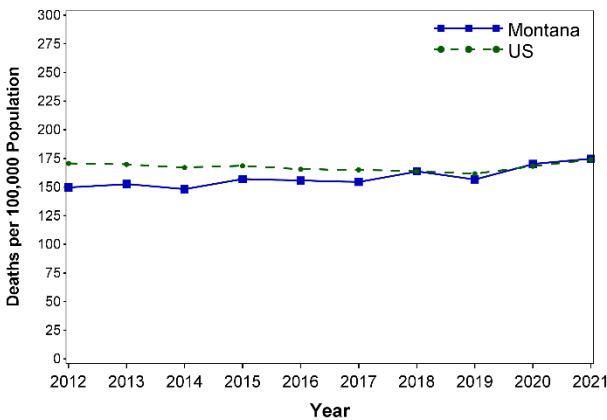


Figure 15
Age-Specific Death Rates for
Diseases of Heart

Montana Residents, 2021

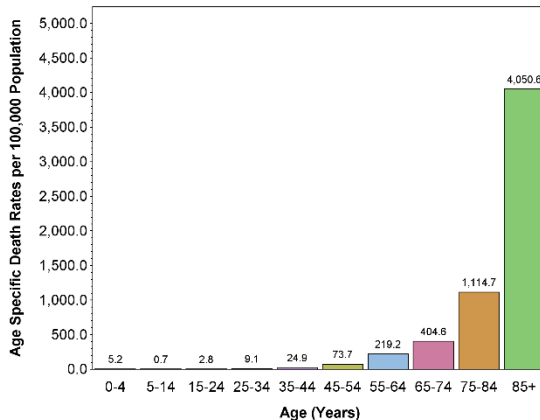


Figure 16
Age-Adjusted Death Rates for
Malignant Neoplasms (Cancer)

Montana and U.S. Residents, 2012-2021

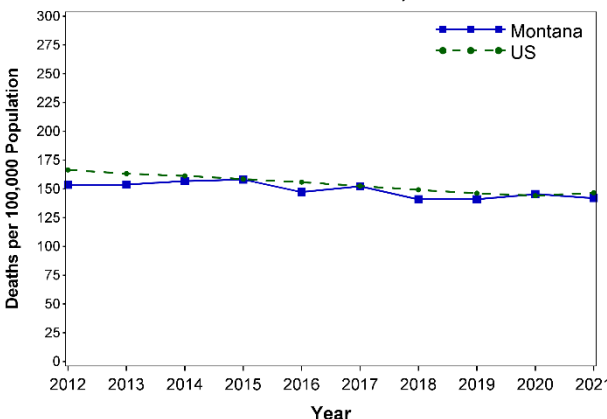


Figure 17
Age-Specific Death Rates for
Malignant Neoplasms (Cancer)

Montana Residents, 2021

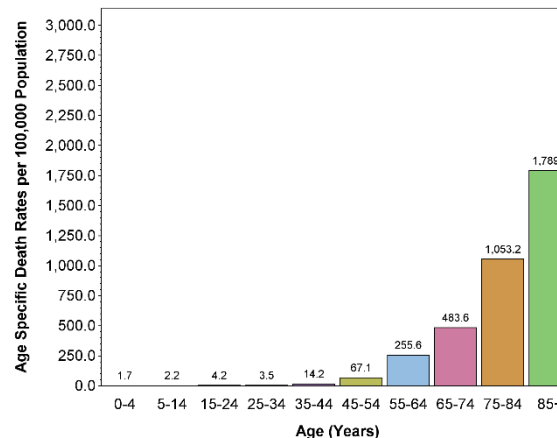


Figure 18
Age-Adjusted Death Rates for
Cerebrovascular Diseases
Montana and U.S. Residents, 2012-2021

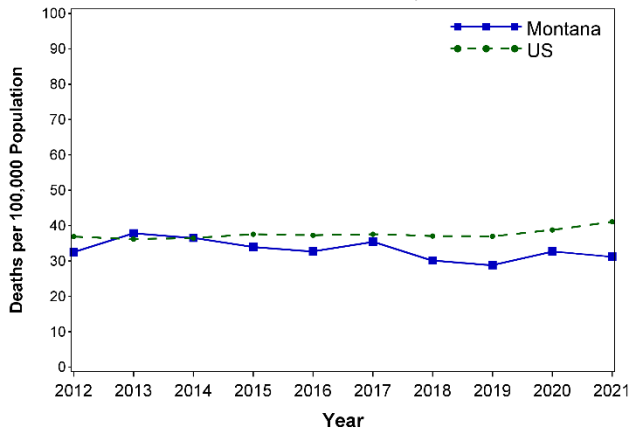


Figure 19
Age-Specific Death Rates for
Cerebrovascular Diseases
Montana Residents, 2021

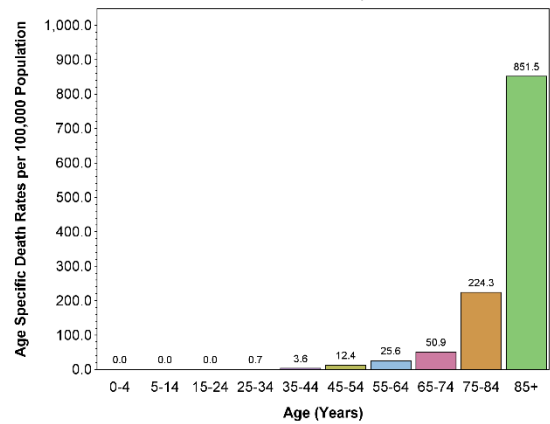


Figure 20
Age-Adjusted Death Rates for
Chronic Lower Respiratory Diseases
Montana and U.S. Residents, 2012-2021

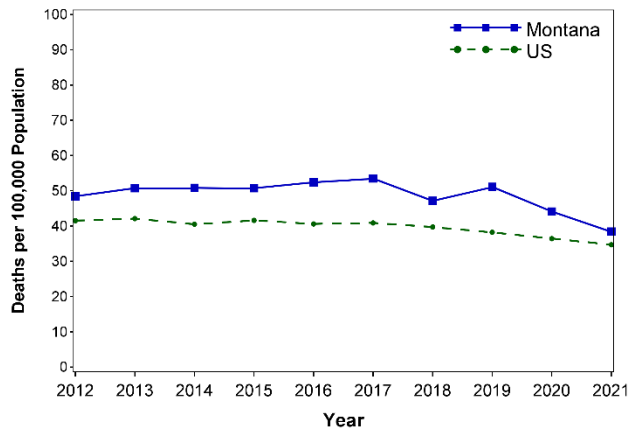


Figure 21
Age-Specific Death Rates for
Chronic Lower Respiratory Diseases
Montana Residents, 2021

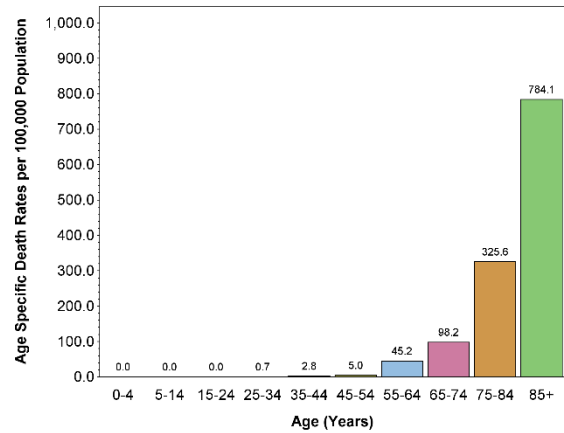


Figure 22
Age-Adjusted Death Rates for
Unintentional Injuries
Montana and U.S. Residents, 2012-2021

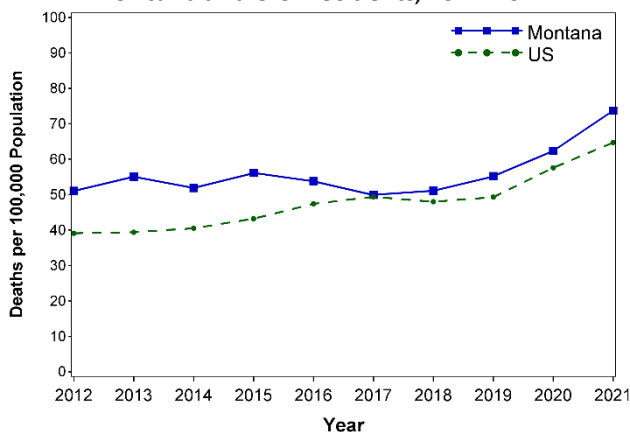


Figure 23
Age-Specific Death Rates for
Unintentional Injuries
Montana Residents, 2021

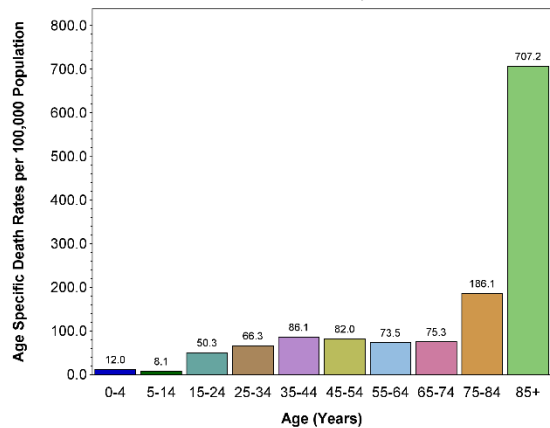


Figure 24
Age-Adjusted Death Rates for
Motor Vehicle Accidents
Montana and U.S. Residents, 2012-2021

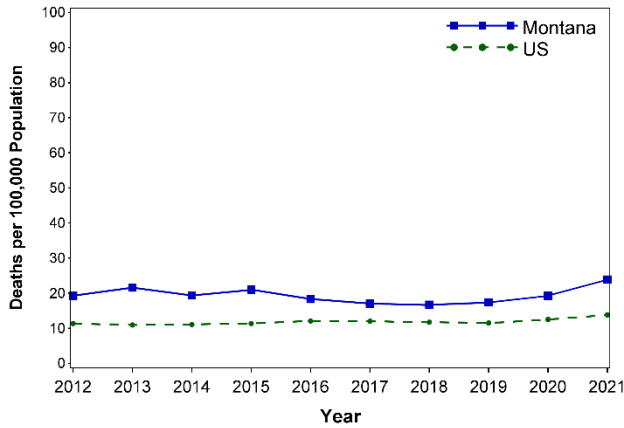


Figure 25
Age-Specific Death Rates for
Motor Vehicle Accidents
Montana Residents, 2021

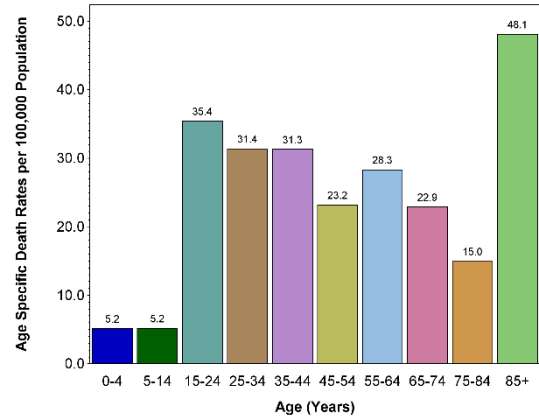


Figure 26
Age-Adjusted Death Rates for
Non-Motor-Vehicle Accidents
Montana and U.S. Residents, 2012-2021

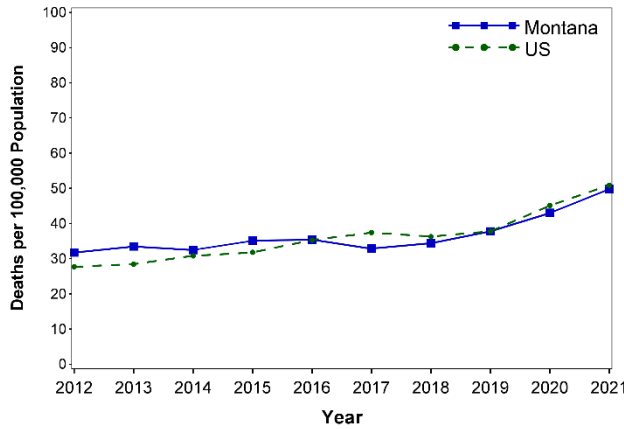


Figure 27
Age-Specific Death Rates for
Non-Motor-Vehicle Accidents
Montana Residents, 2021

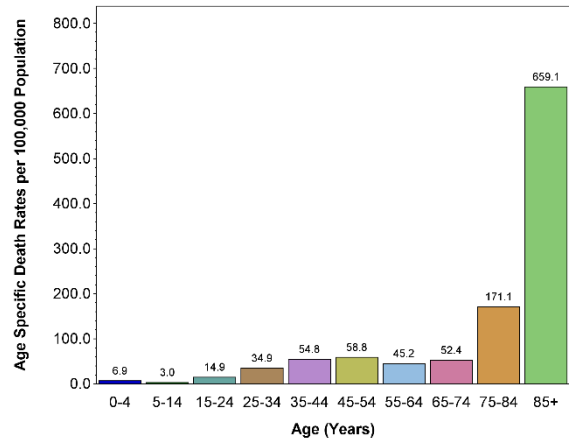


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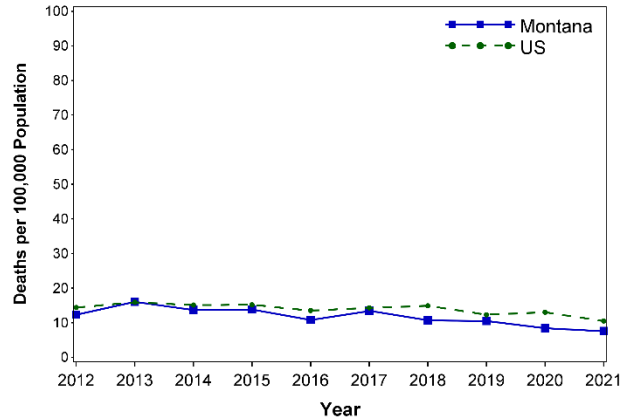


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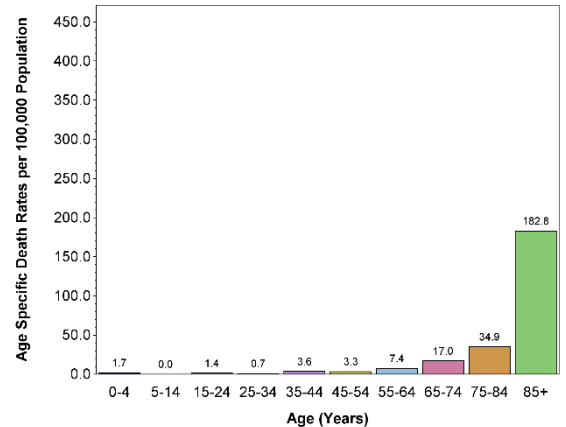


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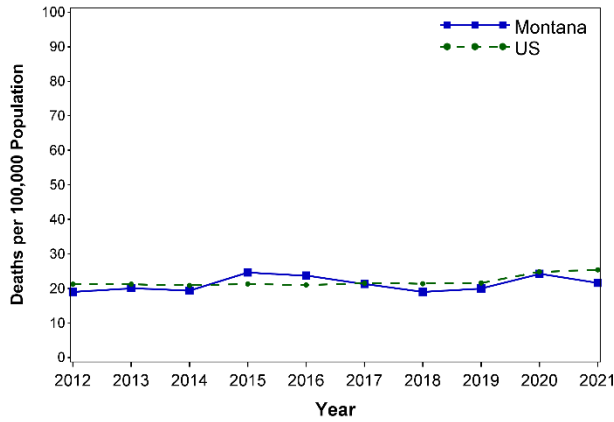


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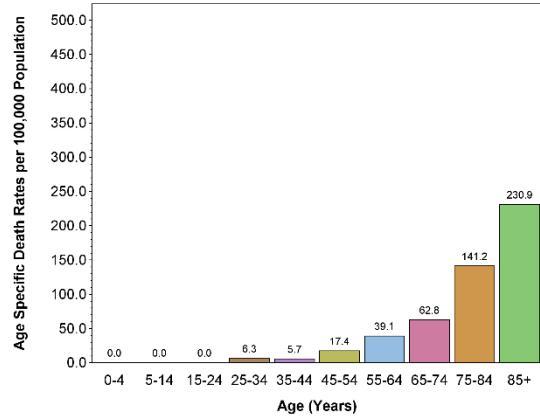


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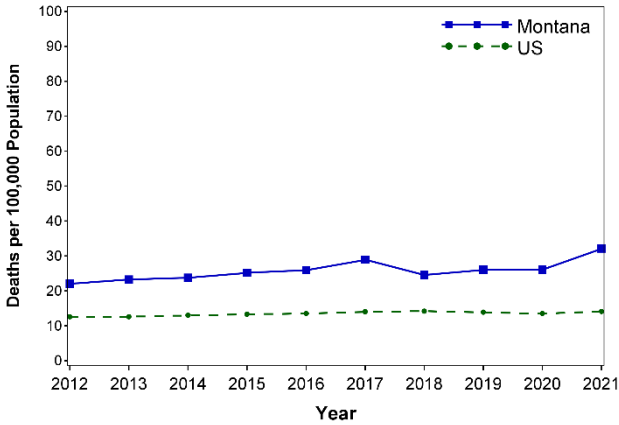


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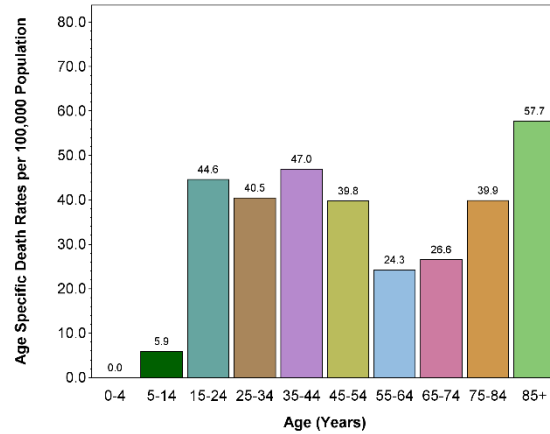


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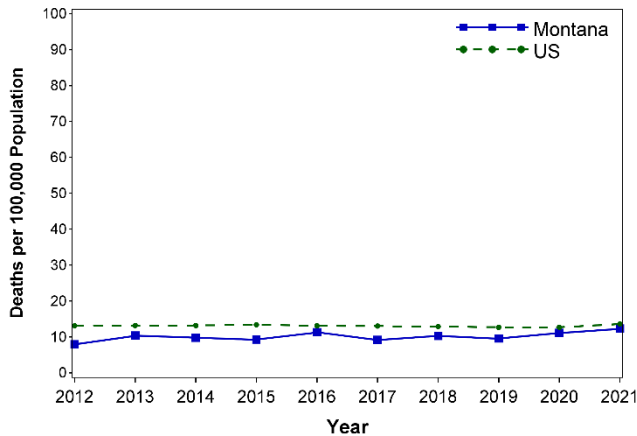


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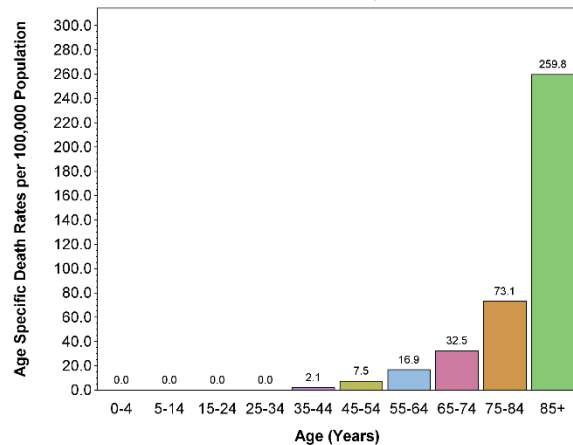


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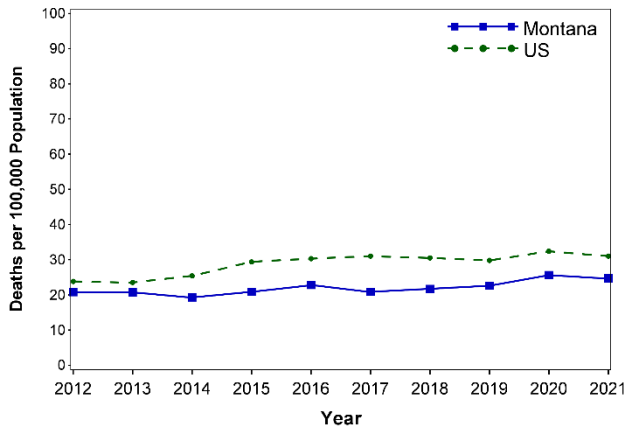


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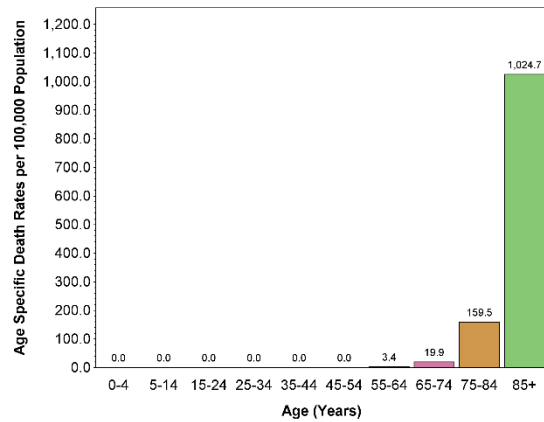


Figure 38
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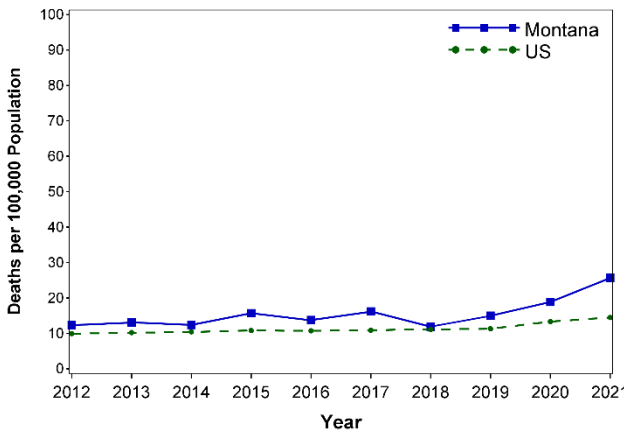


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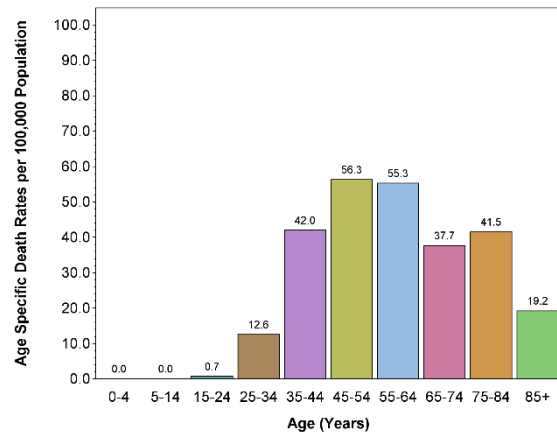


Figure 40
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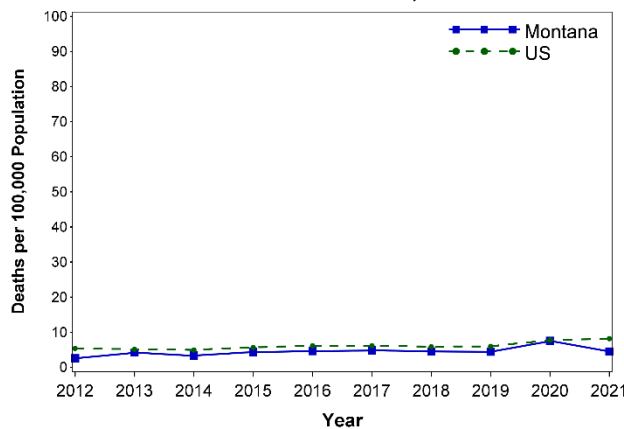


Figure 41
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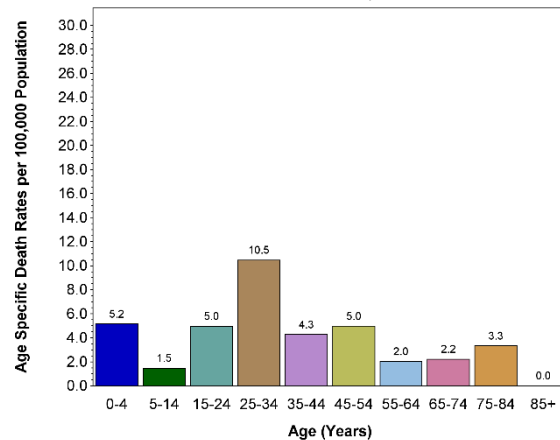


Table 2. Frequency of Death by Selected Cause, Race, and Sex, Montana Residents, 2017-2021

Cause of Death	All Races		White		AI/AN		Other	
	Male	Female	Male	Female	Male	Female	Male	Female
All Causes	29,826	25,505	27,281	23,366	2,248	1,871	297	268
HIV Infection	14	†	7	†	6	†	†	†
Cancer	5,773	4,800	5,448	4,488	289	265	36	47
Diabetes	892	602	762	499	117	93	13	10
Alzheimer's Disease	575	1,033	557	1,009	12	18	6	6
Heart Disease	6,789	4,959	6,347	4,658	386	259	56	42
Cerebrovascular Disease	950	1,262	892	1,195	47	60	11	7
Atherosclerosis	59	43	59	40	0	†	0	0
Influenza & Pneumonia	376	341	333	312	41	23	†	6
Chronic Lower Respiratory Diseases	1,650	1,783	1,575	1,685	65	88	10	10
Chronic Liver Disease & Cirrhosis	651	422	482	257	167	160	†	5
Nephritis, Nephrotic Syndrome & Nephrosis	431	323	377	281	50	40	†	†
Congenital Malformations & Chromosomal Anomalies	98	87	84	77	12	10	†	0
Conditions Originating in Perinatal Period	59	46	47	28	10	14	†	†
Sudden Infant Death Syndrome	†	6	0	†	†	†	†	†
*COVID-19	1,546	1,148	1,323	942	196	181	27	25
Motor Vehicle Accidents	704	320	584	233	109	74	11	13
Non-Motor-Vehicle Accidents	1,449	962	1,282	849	148	99	19	14
Suicide	1,186	327	1,056	274	108	42	22	11
Homicide	152	80	96	61	45	14	11	5
Other Causes	6,470	6,958	5,970	6,473	439	426	61	59

Table 3. Frequency of Death by Selected Leading Causes of Death and Age, Montana Residents, 2017-2021

Cause of Death	All Ages	Age Group									
		0-4 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	55,331	348	122	690	1,128	1,578	2,723	6,893	11,086	13,899	16,864
HIV Infection	17	0	0	0	†	†	†	†	†	0	0
Cancer	10,573	7	8	26	43	133	478	1,810	3,138	3,065	1,865
Diabetes	1,494	0	0	†	26	37	104	219	385	412	309
Alzheimer's Disease	1,608	0	0	0	0	0	†	19	94	472	1,022
Heart Disease	11,748	6	†	14	60	141	426	1,454	2,344	2,941	4,360
Cerebrovascular Disease	2,212	†	†	5	6	21	74	165	321	662	954
Atherosclerosis	102	0	0	0	0	†	†	13	35	29	23
Influenza & Pneumonia	717	†	†	†	5	17	15	68	125	159	321
Chronic Lower Respiratory Diseases	3,433	0	0	†	5	9	44	412	853	1,151	956
Chronic Liver Disease & Cirrhosis	1,073	0	0	†	58	159	224	321	208	82	19
Nephritis, Nephrotic Syndrome & Nephrosis	754	†	0	0	†	8	26	75	180	209	253
Congenital Malformations & Chromosomal Anomalies	185	65	9	8	†	10	9	41	15	11	14
Conditions Originating in Perinatal Period	105	102	0	†	0	0	0	†	0	0	0
Sudden Infant Death Syndrome	8	8	0	0	0	0	0	0	0	0	0
*COVID-19	2,694	†	0	†	22	62	150	361	683	739	673
Motor Vehicle Accidents	1,024	8	35	193	185	156	109	141	103	65	29
Non-Motor-Vehicle Accidents	2,411	23	12	91	192	271	258	279	308	360	617
Suicide	1,513	0	23	241	260	227	211	226	166	104	55
Homicide	232	20	9	29	63	37	32	23	14	†	†
Other Causes	13,428	102	21	69	196	286	557	1,260	2,110	3,434	5,393

* All COVID-19 Deaths Occurred in 2020 or 2021.

Age, Sex, and Race

Different causes of death are likely to be associated with different ages, sexes, and races of the decedent. **Table 2** illustrates some of the difference in the causes of death among males versus females. For instance, more males than females died of heart disease, cancer, chronic liver disease and cirrhosis, diabetes, and—most strikingly—violence (suicide, homicide) and unintentional injury. Over three times as many males as females died by suicide in the years of 2017-2021.

On the other hand, more females than males died of cerebrovascular disease and chronic lower respiratory diseases during this five-year period. Almost twice as many females as males died of Alzheimer’s disease. Typically, those dying of these causes lived the longest lives, as measured by the decedents’ median age at death (**Table D-9**), reflecting the relative longevity of females.

Table 2 also illustrates some of the similarities and differences in the causes of death among whites compared to American Indians. The top two causes of death were heart disease and cancer among both groups. The third leading cause, however, was different. Among whites, it was chronic lower respiratory disease. Among Americans Indians, it was COVID-19.

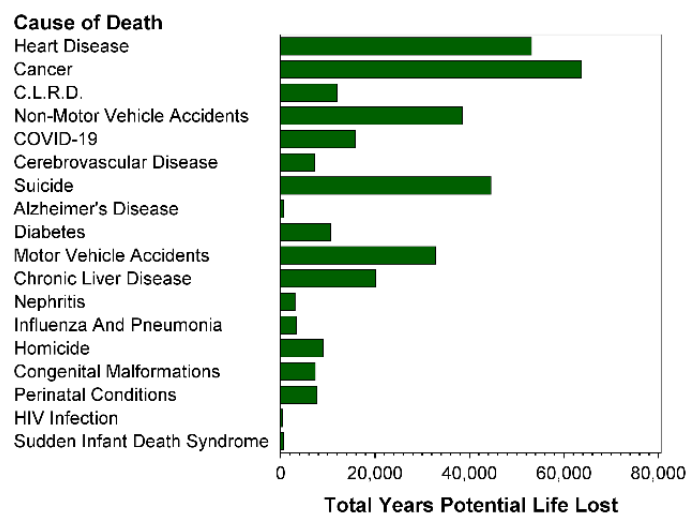
The leading causes of death vary by age (**Table 3**). Cancer and heart disease were very common among decedents aged 45 and older, comprising almost half of these deaths, but were much less common among decedents aged 44 and younger. On the contrary, accidents and suicides were very common among decedent’s aged 44 and younger, comprising about half of these deaths. 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**.

Years of Potential Life Lost

Premature deaths are deaths that occur before a person reaches an expected age of 75 years, which is measured in terms of Years of Potential Life Lost (YPLL). For example, if a 25-year-old were to die in a motor vehicle accident that person would have 50-years of potential life lost. Many premature deaths are considered preventable. This measure is referred to here as YPLL-75.

The leading causes of premature death in the years of 2017-2021 were cancer, heart disease, and suicide (**Figure 42**). 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 decedents were less than age 75, and more than a third of heart disease decedents were younger than this age (**Table 3**). Only decedents younger than 75 at the time of death are reflected in this figure. Unintentional injury (both motor-vehicle and non-motor-vehicle) and suicide comprised about fifteen percent of the deaths in these years but accounted for over a quarter of the total losses as measured by YPLL-75 (**Table D-9**). This disparity in proportions points to the relatively large cost (in terms of length of life lost) of deaths from traumatic causes and emphasizes the many young people lost to such potentially preventable causes of death.

Figure 42
Total Years of Potential Life Lost Before Age 75
By Cause of Death
Montana Residents, 2017-2021



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 43**). 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 43

Average Years of Potential Life Lost Before Age 75
By Cause of Death
Montana Residents, 2017-2021

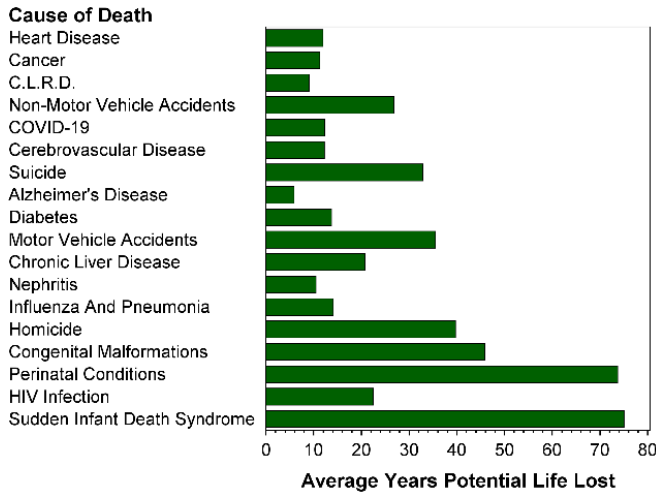
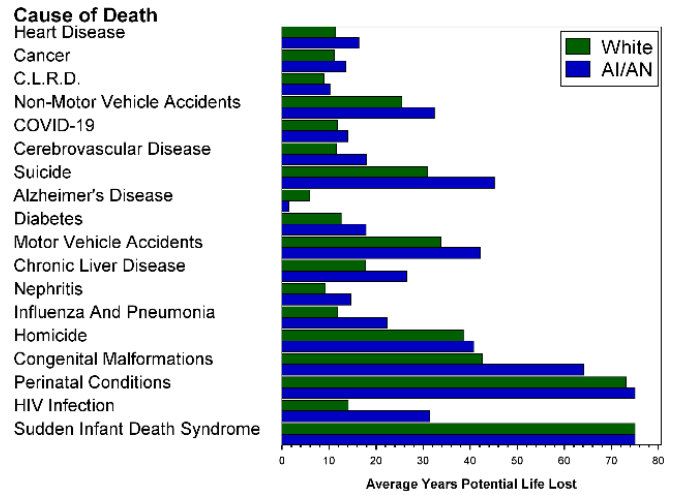


Figure 44

Average Years of Potential Life Lost Before Age 75
By Cause of Death and Race
Montana Residents, 2017-2021



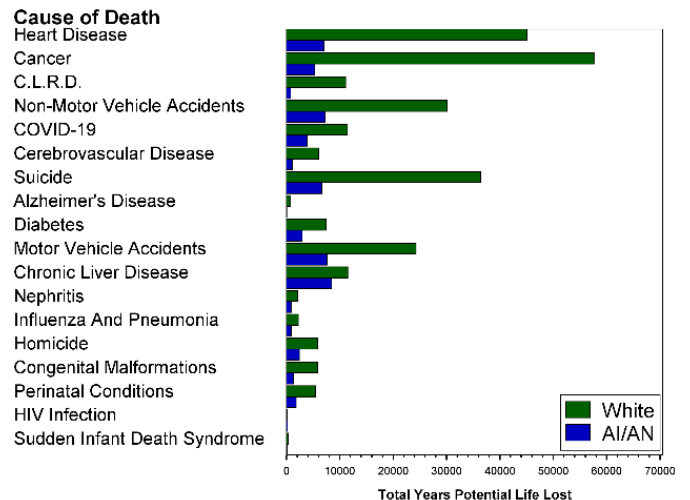
The category sudden infant death syndrome (SIDS), a cause of death diagnosis reserved for infants alone, showed the greatest average loss to an individual (the full 75 years lost) during the years of 2017-2021. This was followed closely by conditions originating in the perinatal period and, more distantly, by congenital anomalies. These causes claim mostly infants, toddlers, and, occasionally, older children. The traumatic causes of death—homicide, motor vehicle accidents, suicide, and other unintentional injuries—are next in ranking, followed by HIV infection, and finally various chronic diseases.

Total years of potential life lost is a measure of how severely a certain condition impacts a population (Figure 45). The white and American Indian populations in Montana are affected the most by slightly different conditions. The white population is impacted most by cancer (18% of total YPLL), heart disease (14%), and suicide (11%). The American Indian population is impacted most by chronic liver disease and cirrhosis (11%), motor vehicle accidents (10%), and non-motor-vehicle accidents (10%).

Measuring by median age at death, American Indians have lifespans shorter than whites by over twenty percent of the typical lifespan for whites (Table D-9). Several causes of death demonstrated a greater impact on American Indians (AI) than white decedents when considering average years of potential life lost (Figure 44). Some of the more notable causes of death affecting American Indians in this way include congenital malformations and chromosomal anomalies (difference of 21.5 years), HIV infection (17.3 years), and suicide (14.1 years). American Indians living in Montana died at a younger median age than whites for every cause of death listed in Table D-9 except for SIDS and conditions originating in the perinatal period (i.e., near the time of birth).

Figure 45

Total Years of Potential Life Lost Before Age 75
By Cause of Death and Race
Montana Residents, 2017-2021



INDUCED ABORTION

There were 1,798 induced abortions performed in Montana in 2021 (**Table S-1**). Of those, 1,546 were performed on Montana residents (**Table S-5**). The ratio of such abortions performed in Montana to the number of live-born babies has fallen steadily for the last quarter of a century in Montana. The abortion ratio was 295.2 in 1990, and it has generally trended downward since. The ratio was 159.8 in 2021, up from a low of 128.6 in 2015 (**Figure 46**).

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 by age. The frequency of induced abortion in this table is for Montana residents receiving the procedure in Montana.

Figure 46

Ratio of Induced Abortions to Live Births
Montana Occurrences, 1986-2021

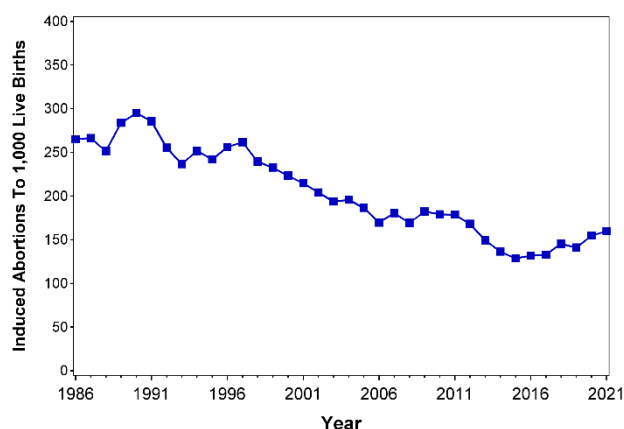


Table A-1 shows the frequency and percent of induced abortions by age of patient and year.

Table A-2 shows the frequency and percent of induced abortions by completed weeks of gestation and year.

Table A-3 shows the frequency and percent of induced abortions by method and year.

Table A-4 shows the frequency and percent of induced abortions by race of patient and year.

Table A-5 shows the frequency and percent of induced abortions by number of previous induced abortions and year.

Table A-6 shows the frequency and percent of induced abortions by number of previous live births and year.

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A-6	Frequency and Percent of Induced Abortions by Number of Previous Live Births and Year — Montana Occurrences, 2003-2021

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, 1910-2021

Year	Estimated Midyear Population	Deaths ¹		Live Births ¹		Fetal Deaths ¹		Infant Deaths ¹		Maternal Deaths ¹		Marriages ²		Marital Terminations ^{2,3}		Induced Abortions ²	
		Number	Rate*	Number	Rate*	Number	Ratio+	Number	Rate*	Number	Rate^	Number	Rate*	Number	Rate*	Number	Ratio+
2021	1,104,271	12,707	11.5	11,231	10.2	37	3.3	55	4.9	6	‡	12,174	11.0	2,714	2.5	1,798	159.8
2020	1,086,193	12,027	11.1	10,794	9.9	41	3.8	56	5.2	3	‡	11,228	10.3	2,539	2.3	1,675	154.8
2019	1,070,123	10,403	9.7	11,080	10.4	52	4.7	54	4.9	2	‡	8,429	7.9	3,211	3.0	1,568	141.0
2018	1,061,818	9,991	9.4	11,515	10.8	40	3.5	55	4.8	2	‡	8,191	7.7	3,222	3.0	1,674	145.5
2017	1,053,862	10,203	9.7	11,800	11.2	51	4.3	64	5.4	2	‡	8,381	8.0	3,267	3.1	1,561	132.8
2016	1,042,137	9,902	9.5	12,274	11.8	53	4.3	73	5.9	1	‡	8,167	7.8	3,237	3.1	1,618	131.8
2015	1,031,495	9,937	9.6	12,580	12.2	45	3.6	75	6.0	0	‡	8,223	8.0	3,536	3.4	1,611	128.6
2014	1,022,657	9,345	9.1	12,431	12.2	52	4.2	68	5.5	3	‡	8,037	7.9	3,529	3.5	1,690	136.3
2013	1,014,158	9,425	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	1,004,168	8,873	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	997,518	9,000	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	990,730	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	8,479	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	8,257	9.1	10,947	12.1	37	3.4	73	6.7	2	‡	6,612	7.3	3,735	4.1	2,350	214.9
2000	903,773	8,075	8.9	10,946	12.1	47	4.3	63	5.8	1	‡	6,870	7.6	3,694	4.1	2,441	223.4
1999	897,511	8,100	9.0	10,778	12.0	56	5.2	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	65	6.0	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	43	4.0	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	56	5.2	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	58	5.2	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	45	4.1	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	62	5.5	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	69	6.0	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	78	6.8	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	67	5.8	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	80	6.9	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

¹ 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.

² Marriages, marital terminations, and induced abortion tabulations by place of occurrence.

³ 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

^ 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-1
Frequency and Rate or Ratio of Death, Live Birth, Fetal, Infant, and Maternal Death,
Marriage, Marital Termination, and Induced Abortion by Year
Montana, 1910-2021

Year	Estimated Midyear Population	Deaths ¹		Live Births ¹		Fetal Deaths ¹		Infant Deaths ¹		Maternal Deaths ¹		Marriages ²		Marital Terminations ^{2,3}		Induced Abortions ²	
		Number	Rate*	Number	Rate*	Number	Ratio+	Number	Rate*	Number	Rate [^]	Number	Rate*	Number	Rate*	Number	Ratio+
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

¹ 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.

² Marriages, marital terminations, and induced abortion tabulations by place of occurrence.

³ 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

[^] 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, and Infant Deaths
by County of Occurrence and County of Residence
Montana, 2021

County	Live Births		Deaths		Fetal Deaths		Infant Deaths	
	Occ.	Res.	Occ.	Res.	Occ.	Res.	Occ.	Res.
Montana Total	11,249	11,231	12,776	12,707	37	37	42	55
Beaverhead	78	83	129	122	†	†	0	0
Big Horn	8	160	91	165	†	†	†	†
Blaine	0	84	44	76	0	0	0	0
Broadwater	5	84	50	92	0	†	0	0
Carbon	†	79	68	109	0	†	0	0
Carter	0	16	5	12	0	0	0	0
Cascade	1,337	951	1,381	1,029	†	0	5	11
Chouteau	†	35	36	72	0	†	0	0
Custer	157	102	123	158	0	0	†	†
Daniels	0	14	20	20	0	0	0	0
Dawson	64	91	122	141	0	0	0	†
Deer Lodge	151	69	119	125	†	†	†	†
Fallon	0	36	29	34	0	0	0	0
Fergus	92	103	156	172	0	0	†	0
Flathead	1,337	1,159	1,416	1,252	5	†	†	†
Gallatin	1,397	1,254	666	668	†	†	†	7
Garfield	0	19	15	19	0	0	0	0
Glacier	68	166	106	183	0	†	†	†
Golden	0	5	14	17	0	0	0	0
Granite	†	30	29	39	0	0	0	0
Hill	278	230	170	205	0	†	†	†
Jefferson	†	110	117	177	0	0	0	†
Judith Basin	0	19	13	24	0	0	0	0
Lake	197	306	298	396	†	†	0	†
Lewis & Clark	740	707	799	781	†	†	†	†
Liberty	0	20	14	15	0	0	0	0
Lincoln	103	170	244	331	0	0	0	0
McCone	0	24	24	26	0	0	0	0
Madison	†	64	89	105	0	0	0	0
Meagher	0	22	15	19	0	0	0	0
Mineral	†	35	66	84	0	0	0	0
Missoula	1,641	1,095	1,353	1,090	5	†	9	6
Musselshell	†	41	60	92	0	0	0	0
Park	101	141	199	208	0	0	0	0
Petroleum	0	11	9	8	0	0	0	0
Phillips	†	41	42	67	0	0	0	†
Pondera	†	72	46	69	0	0	0	0
Powder River	†	20	13	22	0	0	0	†
Powell	†	43	67	82	0	0	0	0
Prairie	0	5	11	12	0	0	0	0
Ravalli	156	405	493	666	†	0	0	†
Richland	246	150	111	129	†	†	†	†
Roosevelt	58	163	128	193	†	†	0	†
Rosebud	5	119	69	126	0	0	0	0
Sanders	41	105	178	233	0	†	0	†
Sheridan	†	40	46	61	0	0	†	†
Silver Bow	252	342	519	536	†	†	0	0
Stillwater	†	86	94	133	0	0	0	0
Sweet Grass	5	25	36	42	0	0	0	0
Teton	0	65	47	92	0	0	†	†
Toole	†	48	44	75	0	0	0	0
Treasure	0	10	†	9	0	0	0	0
Valley	109	83	78	102	0	0	0	0
Wheatland	0	26	19	31	0	0	0	0
Wibaux	0	9	16	21	0	0	0	0
Yellowstone	2,594	1,838	2,627	1,932	7	5	8	†
Not Stated	0	†	0	8	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, 1989-2021

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
2021	11,231	9,831	1,092	308	12,707	11,506	986	215	37	29	8	0	55	43	†	8	94	77	13	†
2020	10,794	9,304	1,202	288	12,027	10,867	999	161	41	32	8	†	56	35	12	9	71	45	18	8
2019	11,080	9,526	1,280	274	10,403	9,584	761	58	52	45	7	0	54	39	14	†	59	46	12	†
2018	11,515	9,921	1,311	283	9,991	9,241	682	68	40	31	6	†	55	42	12	†	60	36	21	†
2017	11,800	10,097	1,408	295	10,203	9,449	691	63	51	41	9	†	64	44	19	†	43	29	13	†
2016	12,274	10,580	1,457	237	9,902	9,237	595	70	53	45	5	†	73	51	20	†	70	59	11	0
2015	12,580	10,889	1,488	203	9,937	9,213	653	71	45	38	6	†	75	53	17	5	77	62	13	†
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	9,425	8,841	528	56	54	44	9	†	66	47	18	†	52	42	10	0
2012	12,052	10,336	1,475	241	8,873	8,288	537	48	57	45	10	†	71	54	14	†	51	42	8	†
2011	12,039	10,330	1,479	230	9,000	8,471	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	44	10	0	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	46	6	†	76	63	11	†	75	62	9	†
2002	11,045	9,467	1,393	185	8,479	8,011	434	34	51	41	9	†	81	66	12	†	70	57	13	0
2001	10,947	9,392	1,363	192	8,257	7,846	386	25	37	27	9	†	73	63	10	0	63	51	11	†
2000	10,946	9,438	1,326	182	8,075	7,673	366	36	47	40	6	†	63	49	13	†	101	81	20	0
1999	10,778	9,353	1,274	151	8,100	7,637	431	32	56	45	9	†	71	54	16	†	78	64	13	†
1998	10,789	9,449	1,172	168	7,985	7,621	345	19	65	57	8	0	82	70	11	†	68	57	11	0
1997	10,838	9,389	1,290	159	7,745	7,388	336	21	43	38	5	0	74	55	18	†	88	77	11	0

* 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-3
Frequency of Live Births, Deaths, Fetal, Infant and Child Deaths
by Race*, Montana Residents, 1989-2021

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
1996	10,840	9,471	1,208	161	7,696	7,352	317	27	56	48	7	†	75	64	10	†	81	71	8	†
1995	11,136	9,843	1,140	153	7,626	7,239	361	26	58	52	†	†	79	70	6	†	106	88	17	†
1994	11,062	9,719	1,201	142	7,342	6,983	331	28	45	40	5	0	82	69	11	†	79	68	11	0
1993	11,362	9,970	1,247	145	7,468	7,121	322	25	62	57	5	0	84	69	13	†	89	74	15	0
1992	11,468	9,967	1,355	146	7,073	6,740	308	25	69	59	9	†	85	66	15	†	105	85	18	†
1991	11,498	10,010	1,363	125	7,004	6,640	339	25	78	69	9	0	82	61	20	†	88	72	16	0
1990	11,602	10,009	1,446	147	6,837	6,488	322	27	67	55	11	†	106	84	21	†	81	70	9	†
1989	11,667	10,157	1,391	119	6,741	6,419	304	18	80	59	21	0	133	97	36	0	94	74	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, 2021

Item		Montana		Beaverhead		Big Horn		Blaine		Broadwater		Carbon		Carter	
		Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Population	Population	1,104,271	-	9,524	-	12,957	-	6,980	-	7,288	-	10,847	-	1,428	-
Natural Increase*	Natural Increase*	-1,476	-1.3	-39	-4.1	-5	‡	8	‡	-8	‡	-30	-2.8	†	‡
Births - Residence	Live Births, Total	11,231	10.2	83	8.7	160	12.3	84	12.0	84	11.5	79	7.3	16	‡
	Live Births, Male	5,757	5.2	41	4.3	82	6.3	39	5.6	51	7.0	47	4.3	9	‡
	Live Births, Female	5,474	5.0	42	4.4	78	6.0	45	6.4	33	4.5	32	3.0	7	‡
Deaths - Residence	Deaths (Excluding Fetal), Total	12,707	11.5	122	12.8	165	12.7	76	10.9	92	12.6	109	10.0	12	‡
	Deaths (Excluding Fetal), Male	7,022	6.4	65	6.8	92	7.1	38	5.4	50	6.9	72	6.6	6	‡
	Deaths (Excluding Fetal), Female	5,685	5.1	57	6.0	73	5.6	38	5.4	42	5.8	37	3.4	6	‡
Infant Mortality & Fetal Death - Residence**	Infant Deaths (Under 1 Year)	55	4.9	0	‡	†	‡	0	‡	0	‡	0	‡	0	‡
	Neonatal (Under 28 Days)	29	2.6	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡
	Postneonatal (28 Days - 1 Year)	26	2.3	0	‡	†	‡	0	‡	0	‡	0	‡	0	‡
	Fetal	37	3.3	†	‡	†	‡	0	‡	†	‡	†	‡	0	‡
	Perinatal	66	5.9	†	‡	†	‡	0	‡	†	‡	†	‡	0	‡
Leading Causes of Death - Residence**	Heart Disease	2,531	229.2	23	241.5	32	247.0	13	‡	19	‡	24	221.3	†	‡
	Cancer	2,156	195.2	22	231.0	22	169.8	13	‡	16	‡	12	‡	†	‡
	COVID-19	1,576	142.7	18	‡	24	185.2	6	‡	20	274.4	18	‡	†	‡
	Unintentional Injury	874	79.1	5	‡	14	‡	5	‡	8	‡	8	‡	0	‡
	Chronic Lower Respiratory Disease	570	51.6	5	‡	†	‡	†	‡	†	‡	9	‡	†	‡
	Cerebrovascular Disease	440	39.8	10	‡	5	‡	†	‡	0	‡	8	‡	0	‡
	Suicide	351	31.8	†	‡	6	‡	5	‡	†	‡	†	‡	0	‡
	Alzheimer's Disease	341	30.9	5	‡	†	‡	†	‡	0	‡	†	‡	0	‡
	Diabetes Mellitus	314	28.4	†	‡	5	‡	†	‡	†	‡	†	‡	0	‡
	Chronic Liver Disease and Cirrhosis	308	27.9	†	‡	13	‡	†	‡	0	‡	0	‡	0	‡
Births - Occurrence	Live Births, Total	11,249	10.2	78	8.2	8	‡	0	‡	5	‡	†	‡	0	‡
Deaths - Occurrence	Deaths (Excluding Fetal), Total	12,776	11.6	129	13.5	91	7.0	44	6.3	50	6.9	68	6.3	5	‡
	Motor Vehicle Accidents	276	0.2	†	‡	8	‡	0	‡	0	‡	†	‡	0	‡
	Non-Motor Vehicle Accidents	594	0.5	7	‡	8	‡	†	‡	†	‡	5	‡	0	‡
Infant Death - Occurrence	Infant Deaths (Under 1 Year)	42	3.7	0	‡	†	‡	0	‡	0	‡	0	‡	0	‡
Marriages - Occurrence	Marriages Solemnized	12,174	11.0	60	6.3	38	2.9	28	4.0	70	9.6	173	15.9	7	‡
	Licenses Issued	12,174	11.0	55	5.8	35	2.7	28	4.0	33	4.5	116	10.7	5	‡
Marital Terminations - Occurrence	Marital Terminations	2,714	2.5	11	‡	10	‡	9	‡	†	‡	21	1.9	†	‡

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

** 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, 2021

Item		Cascade		Chouteau		Custer		Daniels		Dawson		Deer Lodge		Fallon	
		Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Population	Population	84,511	-	5,916	-	11,916	-	1,686	-	8,904	-	9,491	-	3,017	-
Natural Increase*	Natural Increase*	-78	-0.9	-37	-6.3	-56	-4.7	-6	‡	-50	-5.6	-56	-5.9	†	‡
Births - Residence	Live Births, Total	951	11.3	35	5.9	102	8.6	14	‡	91	10.2	69	7.3	36	11.9
	Live Births, Male	500	5.9	11	‡	50	4.2	7	‡	43	4.8	40	4.2	19	‡
	Live Births, Female	451	5.3	24	4.1	52	4.4	7	‡	48	5.4	29	3.1	17	‡
Deaths - Residence	Deaths (Excluding Fetal), Total	1,029	12.2	72	12.2	158	13.3	20	11.9	141	15.8	125	13.2	34	11.3
	Deaths (Excluding Fetal), Male	582	6.9	37	6.3	89	7.5	11	‡	93	10.4	66	7.0	23	7.6
	Deaths (Excluding Fetal), Female	447	5.3	35	5.9	69	5.8	9	‡	48	5.4	59	6.2	11	‡
Infant Mortality & Fetal Death - Residence**	Infant Deaths (Under 1 Year)	11	‡	0	‡	†	‡	0	‡	†	‡	†	‡	0	‡
	Neonatal (Under 28 Days)	7	‡	0	‡	†	‡	0	‡	†	‡	0	‡	0	‡
	Postneonatal (28 Days - 1 Year)	†	‡	0	‡	0	‡	0	‡	0	‡	†	‡	0	‡
	Fetal	0	‡	†	‡	0	‡	0	‡	0	‡	†	‡	0	‡
	Perinatal	7	‡	†	‡	†	‡	0	‡	†	‡	†	‡	0	‡
Leading Causes of Death - Residence**	Heart Disease	179	211.8	15	‡	24	201.4	†	‡	22	247.1	35	368.8	6	‡
	Cancer	168	198.8	14	‡	22	184.6	5	‡	26	292.0	19	‡	10	‡
	COVID-19	114	134.9	5	‡	28	235.0	†	‡	22	247.1	14	‡	8	‡
	Unintentional Injury	51	60.3	9	‡	12	‡	0	‡	10	‡	5	‡	†	‡
	Chronic Lower Respiratory Disease	67	79.3	0	‡	10	‡	0	‡	†	‡	11	‡	†	‡
	Cerebrovascular Disease	33	39.0	†	‡	5	‡	†	‡	7	‡	†	‡	0	‡
	Suicide	25	29.6	†	‡	†	‡	†	‡	†	‡	0	‡	†	‡
	Alzheimer's Disease	21	24.8	†	‡	†	‡	0	‡	†	‡	†	‡	0	‡
	Diabetes Mellitus	27	31.9	†	‡	7	‡	†	‡	†	‡	†	‡	0	‡
Chronic Liver Disease and Cirrhosis	27	31.9	†	‡	†	‡	0	‡	†	‡	5	‡	0	‡	
Births - Occurrence	Live Births, Total	1,337	15.8	†	‡	157	13.2	0	‡	64	7.2	151	15.9	0	‡
Deaths - Occurrence	Deaths (Excluding Fetal), Total	1,381	16.3	36	6.1	123	10.3	20	11.9	122	13.7	119	12.5	29	9.6
	Motor Vehicle Accidents	24	0.3	†	‡	†	‡	†	‡	†	‡	0	‡	†	‡
	Non-Motor Vehicle Accidents	55	0.7	†	‡	5	‡	0	‡	5	‡	†	‡	†	‡
Infant Death - Occurrence	Infant Deaths (Under 1 Year)	5	‡	0	‡	†	‡	0	‡	0	‡	†	‡	0	‡
Marriages - Occurrence	Marriages Solemnized	524	6.2	15	‡	62	5.2	0	‡	32	3.6	80	8.4	16	‡
	Licenses Issued	616	7.3	0	‡	61	5.1	0	‡	31	3.5	64	6.7	18	‡
Marital Terminations - Occurrence	Marital Terminations	250	3.0	0	‡	15	‡	†	‡	0	‡	10	‡	5	‡

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

** 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, 2021

Item		Fergus		Flathead		Gallatin		Garfield		Glacier		Golden		Granite	
		Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Population	Population	11,617	-	108,454	-	122,713	-	1,209	-	13,785	-	831	-	3,344	-
Natural Increase*	Natural Increase*	-69	-5.9	-93	-0.9	586	4.8	0	‡	-17	‡	-12	‡	-9	‡
Births - Residence	Live Births, Total	103	8.9	1,159	10.7	1,254	10.2	19	‡	166	12.0	5	‡	30	9.0
	Live Births, Male	55	4.7	580	5.3	676	5.5	9	‡	86	6.2	†	‡	17	‡
	Live Births, Female	48	4.1	579	5.3	578	4.7	10	‡	80	5.8	†	‡	13	‡
Deaths - Residence	Deaths (Excluding Fetal), Total	172	14.8	1,252	11.5	668	5.4	19	‡	183	13.3	17	‡	39	11.7
	Deaths (Excluding Fetal), Male	88	7.6	663	6.1	360	2.9	8	‡	111	8.1	12	‡	23	6.9
	Deaths (Excluding Fetal), Female	84	7.2	589	5.4	308	2.5	11	‡	72	5.2	5	‡	16	‡
Infant Mortality & Fetal Death - Residence**	Infant Deaths (Under 1 Year)	0	‡	†	‡	7	‡	0	‡	†	‡	0	‡	0	‡
	Neonatal (Under 28 Days)	0	‡	0	‡	†	‡	0	‡	0	‡	0	‡	0	‡
	Postneonatal (28 Days - 1 Year)	0	‡	†	‡	5	‡	0	‡	†	‡	0	‡	0	‡
	Fetal	0	‡	†	‡	†	‡	0	‡	†	‡	0	‡	0	‡
	Perinatal	0	‡	†	‡	6	‡	0	‡	†	‡	0	‡	0	‡
Leading Causes of Death - Residence**	Heart Disease	27	232.4	230	212.1	149	121.4	5	‡	34	246.6	6	‡	8	‡
	Cancer	29	249.6	211	194.6	129	105.1	†	‡	27	195.9	†	‡	6	‡
	COVID-19	23	198.0	150	138.3	59	48.1	†	‡	21	152.3	†	‡	6	‡
	Unintentional Injury	14	‡	83	76.5	45	36.7	†	‡	16	‡	†	‡	5	‡
	Chronic Lower Respiratory Disease	11	‡	44	40.6	24	19.6	†	‡	5	‡	0	‡	0	‡
	Cerebrovascular Disease	7	‡	41	37.8	22	17.9	†	‡	†	‡	0	‡	†	‡
	Suicide	†	‡	42	38.7	31	25.3	0	‡	†	‡	0	‡	0	‡
	Alzheimer's Disease	9	‡	29	26.7	37	30.2	0	‡	†	‡	0	‡	†	‡
	Diabetes Mellitus	†	‡	23	21.2	6	‡	0	‡	14	‡	0	‡	0	‡
Chronic Liver Disease and Cirrhosis	†	‡	25	23.1	9	‡	0	‡	13	‡	†	‡	0	‡	
Births - Occurrence	Live Births, Total	92	7.9	1,337	12.3	1,397	11.4	0	‡	68	4.9	0	‡	†	‡
Deaths - Occurrence	Deaths (Excluding Fetal), Total	156	13.4	1,416	13.1	666	5.4	15	‡	106	7.7	14	‡	29	8.7
	Motor Vehicle Accidents	†	‡	25	0.2	15	‡	†	‡	5	‡	†	‡	†	‡
	Non-Motor Vehicle Accidents	9	‡	57	0.5	26	0.2	0	‡	6	‡	†	‡	†	‡
Infant Death - Occurrence	Infant Deaths (Under 1 Year)	†	‡	†	‡	†	‡	0	‡	†	‡	0	‡	0	‡
Marriages - Occurrence	Marriages Solemnized	72	6.2	5,614	51.8	1,015	8.3	5	‡	169	12.3	†	‡	30	9.0
	Licenses Issued	76	6.5	5,666	52.2	1,131	9.2	6	‡	59	4.3	5	‡	22	6.6
Marital Terminations - Occurrence	Marital Terminations	31	2.7	420	3.9	167	1.4	†	‡	14	‡	0	‡	†	‡

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

** 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, 2021

Item		Hill		Jefferson		Judith Basin		Lake		Lewis & Clark		Liberty		Lincoln	
		Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Population	Population	16,179	-	12,470	-	2,044	-	32,033	-	72,223	-	1,946	-	20,525	-
Natural Increase*	Natural Increase*	25	1.5	-67	-5.4	-5	‡	-90	-2.8	-74	-1	5	‡	-161	-7.8
Births - Residence	Live Births, Total	230	14.2	110	8.8	19	‡	306	9.6	707	9.8	20	10.3	170	8.3
	Live Births, Male	105	6.5	55	4.4	7	‡	160	5.0	367	5.1	12	‡	99	4.8
	Live Births, Female	125	7.7	55	4.4	12	‡	146	4.6	340	4.7	8	‡	71	3.5
Deaths - Residence	Deaths (Excluding Fetal), Total	205	12.7	177	14.2	24	11.7	396	12.4	781	10.8	15	‡	331	16.1
	Deaths (Excluding Fetal), Male	112	6.9	109	8.7	13	‡	222	6.9	427	5.9	10	‡	190	9.3
	Deaths (Excluding Fetal), Female	93	5.7	68	5.5	11	‡	174	5.4	354	4.9	5	‡	141	6.9
Infant Mortality & Fetal Death - Residence**	Infant Deaths (Under 1 Year)	†	‡	†	‡	0	‡	†	‡	†	‡	0	‡	0	‡
	Neonatal (Under 28 Days)	†	‡	0	‡	0	‡	†	‡	†	‡	0	‡	0	‡
	Postneonatal (28 Days - 1 Year)	0	‡	†	‡	0	‡	0	‡	†	‡	0	‡	0	‡
	Fetal	†	‡	0	‡	0	‡	†	‡	†	‡	0	‡	0	‡
	Perinatal	†	‡	0	‡	0	‡	†	‡	†	‡	0	‡	0	‡
Leading Causes of Death - Residence**	Heart Disease	49	302.9	34	272.7	†	‡	67	209.2	162	224.3	†	‡	84	409.3
	Cancer	38	234.9	38	304.7	8	‡	76	237.3	156	216.0	†	‡	51	248.5
	COVID-19	29	179.2	18	‡	0	‡	62	193.6	99	137.1	†	‡	50	243.6
	Unintentional Injury	11	‡	8	‡	†	‡	42	131.1	48	66.5	0	‡	19	‡
	Chronic Lower Respiratory Disease	7	‡	14	‡	0	‡	15	‡	32	44.3	†	‡	16	‡
	Cerebrovascular Disease	8	‡	5	‡	0	‡	10	‡	29	40.2	0	‡	10	‡
	Suicide	5	‡	7	‡	†	‡	12	‡	18	‡	0	‡	5	‡
	Alzheimer's Disease	0	‡	6	‡	†	‡	5	‡	24	33.2	0	‡	†	‡
	Diabetes Mellitus	7	‡	5	‡	†	‡	9	‡	16	‡	0	‡	6	‡
Chronic Liver Disease and Cirrhosis	5	‡	†	‡	0	‡	14	‡	14	‡	†	‡	6	‡	
Births - Occurrence	Live Births, Total	278	17.2	†	‡	0	‡	197	6.1	740	10.2	0	‡	103	5.0
Deaths - Occurrence	Deaths (Excluding Fetal), Total	170	10.5	117	9.4	13	‡	298	9.3	799	11.1	14	‡	244	11.9
	Motor Vehicle Accidents	†	‡	10	‡	†	‡	10	‡	9	‡	0	‡	†	‡
	Non-Motor Vehicle Accidents	8	‡	†	‡	†	‡	21	0.7	33	0.5	†	‡	6	‡
Infant Death - Occurrence	Infant Deaths (Under 1 Year)	†	‡	0	‡	0	‡	0	‡	†	‡	0	‡	0	‡
Marriages - Occurrence	Marriages Solemnized	71	4.4	85	6.8	8	‡	240	7.5	434	6.0	6	‡	143	7.0
	Licenses Issued	80	4.9	33	2.6	9	‡	157	4.9	469	6.5	6	‡	111	5.4
Marital Terminations - Occurrence	Marital Terminations	37	2.3	14	‡	†	‡	69	2.2	220	3.0	5	‡	53	2.6

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

** 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, 2021

Item		McCone		Madison		Meagher		Mineral		Missoula		Musselshell		Park	
		Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Population	Population	1,718	-	8,917	-	1,964	-	4,860	-	119,533	-	4,896	-	17,473	-
Natural Increase*	Natural Increase*	†	‡	-41	-4.6	†	‡	-49	-10.1	5	‡	-51	-10.4	-67	-3.8
Births - Residence	Live Births, Total	24	14.0	64	7.2	22	11.2	35	7.2	1,095	9.2	41	8.4	141	8.1
	Live Births, Male	9	‡	35	3.9	16	‡	17	‡	564	4.7	19	‡	71	4.1
	Live Births, Female	15	‡	29	3.3	6	‡	18	‡	531	4.4	22	4.5	70	4.0
Deaths - Residence	Deaths (Excluding Fetal), Total	26	15.1	105	11.8	19	‡	84	17.3	1,090	9.1	92	18.8	208	11.9
	Deaths (Excluding Fetal), Male	16	‡	60	6.7	13	‡	59	12.1	629	5.3	53	10.8	114	6.5
	Deaths (Excluding Fetal), Female	10	‡	45	5.0	6	‡	25	5.1	461	3.9	39	8.0	94	5.4
Infant Mortality & Fetal Death - Residence**	Infant Deaths (Under 1 Year)	0	‡	0	‡	0	‡	0	‡	6	‡	0	‡	0	‡
	Neonatal (Under 28 Days)	0	‡	0	‡	0	‡	0	‡	†	‡	0	‡	0	‡
	Postneonatal (28 Days - 1 Year)	0	‡	0	‡	0	‡	0	‡	†	‡	0	‡	0	‡
	Fetal	0	‡	0	‡	0	‡	0	‡	†	‡	0	‡	0	‡
	Perinatal	0	‡	0	‡	0	‡	0	‡	†	‡	0	‡	0	‡
Leading Causes of Death - Residence**	Heart Disease	†	‡	20	224.3	7	‡	21	432.1	256	214.2	23	469.8	36	206.0
	Cancer	†	‡	22	246.7	†	‡	17	‡	161	134.7	18	‡	41	234.6
	COVID-19	9	‡	14	‡	†	‡	13	‡	94	78.6	17	‡	20	114.5
	Unintentional Injury	†	‡	†	‡	†	‡	†	‡	72	60.2	†	‡	14	‡
	Chronic Lower Respiratory Disease	†	‡	9	‡	†	‡	†	‡	51	42.7	†	‡	10	‡
	Cerebrovascular Disease	0	‡	†	‡	0	‡	†	‡	47	39.3	†	‡	†	‡
	Suicide	0	‡	†	‡	†	‡	†	‡	28	23.4	5	‡	10	‡
	Alzheimer's Disease	0	‡	†	‡	0	‡	†	‡	52	43.5	†	‡	14	‡
	Diabetes Mellitus	0	‡	†	‡	0	‡	†	‡	20	16.7	†	‡	9	‡
Chronic Liver Disease and Cirrhosis	0	‡	†	‡	†	‡	†	‡	28	23.4	†	‡	5	‡	
Births - Occurrence	Live Births, Total	0	‡	†	‡	0	‡	†	‡	1,641	13.7	†	‡	101	5.8
Deaths - Occurrence	Deaths (Excluding Fetal), Total	24	14.0	89	10.0	15	‡	66	13.6	1,353	11.3	60	12.3	199	11.4
	Motor Vehicle Accidents	0	‡	†	‡	†	‡	†	‡	27	0.2	†	‡	†	‡
	Non-Motor Vehicle Accidents	†	‡	†	‡	0	‡	†	‡	60	0.5	†	‡	9	‡
Infant Death - Occurrence	Infant Deaths (Under 1 Year)	0	‡	0	‡	0	‡	0	‡	9	‡	0	‡	0	‡
Marriages - Occurrence	Marriages Solemnized	7	‡	122	13.7	20	10.2	81	16.7	682	5.7	20	4.1	275	15.7
	Licenses Issued	9	‡	71	8.0	9	‡	45	9.3	871	7.3	20	4.1	184	10.5
Marital Terminations - Occurrence	Marital Terminations	†	‡	17	‡	0	‡	†	‡	389	3.3	12	‡	77	4.4

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

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Table S-4
Selected Vital Statistics
Frequencies and Rates or Ratios by County
Montana, 2021

Item		Petroleum		Phillips		Pondera		Powder River		Powell		Prairie		Ravalli	
		Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Population	Population	519	-	4,192	-	5,994	-	1,702	-	6,999	-	1,091	-	45,959	-
Natural Increase*	Natural Increase*	†	‡	-26	-6.2	†	‡	†	‡	-39	-5.6	-7	‡	-261	-5.7
Births - Residence	Live Births, Total	11	‡	41	9.8	72	12.0	20	11.8	43	6.1	5	‡	405	8.8
	Live Births, Male	7	‡	22	5.2	35	5.8	9	‡	22	3.1	†	‡	220	4.8
	Live Births, Female	†	‡	19	‡	37	6.2	11	‡	21	3.0	†	‡	185	4.0
Deaths - Residence	Deaths (Excluding Fetal), Total	8	‡	67	16.0	69	11.5	22	12.9	82	11.7	12	‡	666	14.5
	Deaths (Excluding Fetal), Male	†	‡	36	8.6	37	6.2	12	‡	52	7.4	5	‡	389	8.5
	Deaths (Excluding Fetal), Female	5	‡	31	7.4	32	5.3	10	‡	30	4.3	7	‡	277	6.0
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	‡	0	‡	0	‡	0	‡	0	‡
	Perinatal	0	‡	†	‡	0	‡	†	‡	0	‡	0	‡	†	‡
Leading Causes of Death - Residence**	Heart Disease	†	‡	8	‡	15	‡	†	‡	12	‡	†	‡	136	295.9
	Cancer	†	‡	11	‡	10	‡	5	‡	9	‡	†	‡	118	256.8
	COVID-19	0	‡	13	‡	†	‡	†	‡	14	‡	0	‡	106	230.6
	Unintentional Injury	0	‡	†	‡	†	‡	†	‡	7	‡	0	‡	54	117.5
	Chronic Lower Respiratory Disease	†	‡	5	‡	†	‡	†	‡	7	‡	0	‡	32	69.6
	Cerebrovascular Disease	0	‡	0	‡	†	‡	0	‡	†	‡	†	‡	20	43.5
	Suicide	0	‡	†	‡	0	‡	†	‡	5	‡	†	‡	17	‡
	Alzheimer's Disease	0	‡	0	‡	†	‡	0	‡	0	‡	0	‡	24	52.2
	Diabetes Mellitus	0	‡	†	‡	7	‡	†	‡	†	‡	0	‡	10	‡
Chronic Liver Disease and Cirrhosis	0	‡	0	‡	†	‡	0	‡	0	‡	0	‡	11	‡	
Births - Occurrence	Live Births, Total	0	‡	†	‡	†	‡	†	‡	†	‡	0	‡	156	3.4
Deaths - Occurrence	Deaths (Excluding Fetal), Total	9	‡	42	10.0	46	7.7	13	‡	67	9.6	11	‡	493	10.7
	Motor Vehicle Accidents	0	‡	†	‡	†	‡	†	‡	†	‡	0	‡	7	‡
	Non-Motor Vehicle Accidents	†	‡	0	‡	†	‡	0	‡	†	‡	†	‡	32	0.7
Infant Death - Occurrence	Infant Deaths (Under 1 Year)	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡
Marriages - Occurrence	Marriages Solemnized	†	‡	27	6.4	29	4.8	11	‡	48	6.9	†	‡	300	6.5
	Licenses Issued	†	‡	27	6.4	27	4.5	12	‡	40	5.7	†	‡	249	5.4
Marital Terminations - Occurrence	Marital Terminations	0	‡	6	‡	16	‡	†	‡	13	‡	†	‡	116	2.5

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Table S-4
Selected Vital Statistics
Frequencies and Rates or Ratios by County
Montana, 2021

Item		Richland		Roosevelt		Rosebud		Sanders		Sheridan		Silver Bow		Stillwater	
		Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Population	Population	11,283	-	10,821	-	8,124	-	12,959	-	3,527	-	35,411	-	9,044	-
Natural Increase*	Natural Increase*	21	1.9	-30	-2.8	-7	‡	-128	-9.9	-21	-6	-194	-5.5	-47	-5.2
Births - Residence	Live Births, Total	150	13.3	163	15.1	119	14.6	105	8.1	40	11.3	342	9.7	86	9.5
	Live Births, Male	75	6.6	82	7.6	55	6.8	58	4.5	22	6.2	143	4.0	41	4.5
	Live Births, Female	75	6.6	81	7.5	64	7.9	47	3.6	18	‡	199	5.6	45	5.0
Deaths - Residence	Deaths (Excluding Fetal), Total	129	11.4	193	17.8	126	15.5	233	18.0	61	17.3	536	15.1	133	14.7
	Deaths (Excluding Fetal), Male	72	6.4	108	10.0	77	9.5	131	10.1	34	9.6	286	8.1	76	8.4
	Deaths (Excluding Fetal), Female	57	5.1	85	7.9	49	6.0	102	7.9	27	7.7	250	7.1	57	6.3
Infant Mortality & Fetal Death - Residence**	Infant Deaths (Under 1 Year)	†	‡	†	‡	0	‡	†	‡	†	‡	0	‡	0	‡
	Neonatal (Under 28 Days)	†	‡	0	‡	0	‡	†	‡	0	‡	0	‡	0	‡
	Postneonatal (28 Days - 1 Year)	0	‡	†	‡	0	‡	0	‡	†	‡	0	‡	0	‡
	Fetal	†	‡	†	‡	0	‡	†	‡	0	‡	†	‡	0	‡
	Perinatal	†	‡	†	‡	0	‡	†	‡	0	‡	†	‡	0	‡
Leading Causes of Death - Residence**	Heart Disease	23	203.8	18	‡	19	‡	37	285.5	5	‡	134	378.4	26	287.5
	Cancer	24	212.7	22	203.3	17	‡	47	362.7	19	‡	92	259.8	19	‡
	COVID-19	16	‡	23	212.5	21	258.5	39	300.9	5	‡	51	144.0	21	232.2
	Unintentional Injury	8	‡	20	184.8	14	‡	9	‡	6	‡	42	118.6	12	‡
	Chronic Lower Respiratory Disease	†	‡	6	‡	†	‡	13	‡	†	‡	25	70.6	10	‡
	Cerebrovascular Disease	7	‡	6	‡	6	‡	6	‡	0	‡	17	‡	†	‡
	Suicide	†	‡	†	‡	†	‡	6	‡	†	‡	14	‡	6	‡
	Alzheimer's Disease	†	‡	0	‡	†	‡	9	‡	0	‡	14	‡	†	‡
	Diabetes Mellitus	†	‡	15	‡	7	‡	15	‡	†	‡	7	‡	†	‡
Chronic Liver Disease and Cirrhosis	†	‡	23	212.5	11	‡	†	‡	†	‡	11	‡	†	‡	
Births - Occurrence	Live Births, Total	246	21.8	58	5.4	5	‡	41	3.2	†	‡	252	7.1	†	‡
Deaths - Occurrence	Deaths (Excluding Fetal), Total	111	9.8	128	11.8	69	8.5	178	13.7	46	13.0	519	14.7	94	10.4
	Motor Vehicle Accidents	†	‡	†	‡	†	‡	6	‡	†	‡	6	‡	5	‡
	Non-Motor Vehicle Accidents	†	‡	12	‡	7	‡	†	‡	†	‡	29	0.8	6	‡
Infant Death - Occurrence	Infant Deaths (Under 1 Year)	†	‡	0	‡	0	‡	0	‡	†	‡	0	‡	0	‡
Marriages - Occurrence	Marriages Solemnized	64	5.7	29	2.7	30	3.7	65	5.0	14	‡	160	4.5	77	8.5
	Licenses Issued	83	7.4	27	2.5	31	3.8	60	4.6	16	‡	212	6.0	62	6.9
Marital Terminations - Occurrence	Marital Terminations	31	2.7	9	‡	9	‡	36	2.8	14	‡	106	3.0	0	‡

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

** 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, 2021

Item		Sweet Grass		Teton		Toole		Treasure		Valley		Wheatland		Wibaux	
		Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Population	Population	3,723	-	6,269	-	5,011	-	768	-	7,537	-	2,059	-	934	-
Natural Increase*	Natural Increase*	-17	‡	-27	-4.3	-27	-5.4	†	‡	-19	‡	-5	‡	-12	‡
Births - Residence	Live Births, Total	25	6.7	65	10.4	48	9.6	10	‡	83	11.0	26	12.6	9	‡
	Live Births, Male	11	‡	27	4.3	24	4.8	5	‡	44	5.8	10	‡	5	‡
	Live Births, Female	14	‡	38	6.1	24	4.8	5	‡	39	5.2	16	‡	†	‡
Deaths - Residence	Deaths (Excluding Fetal), Total	42	11.3	92	14.7	75	15.0	9	‡	102	13.5	31	15.1	21	22.5
	Deaths (Excluding Fetal), Male	20	5.4	53	8.5	41	8.2	5	‡	52	6.9	19	‡	12	‡
	Deaths (Excluding Fetal), Female	22	5.9	39	6.2	34	6.8	†	‡	50	6.6	12	‡	9	‡
Infant Mortality & Fetal Death - Residence**	Infant Deaths (Under 1 Year)	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	‡
	Fetal	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡
Leading Causes of Death - Residence**	Perinatal	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡
	Heart Disease	8	‡	24	382.8	10	‡	0	‡	32	424.6	8	‡	5	‡
	Cancer	6	‡	10	‡	15	‡	†	‡	11	‡	†	‡	†	‡
	COVID-19	†	‡	14	‡	9	‡	†	‡	13	‡	6	‡	†	‡
	Unintentional Injury	0	‡	7	‡	5	‡	0	‡	7	‡	†	‡	0	‡
	Chronic Lower Respiratory Disease	0	‡	†	‡	0	‡	†	‡	†	‡	0	‡	†	‡
	Cerebrovascular Disease	7	‡	5	‡	5	‡	0	‡	6	‡	†	‡	†	‡
	Suicide	†	‡	†	‡	0	‡	0	‡	†	‡	†	‡	0	‡
	Alzheimer's Disease	†	‡	†	‡	†	‡	0	‡	†	‡	0	‡	0	‡
Diabetes Mellitus	†	‡	†	‡	†	‡	0	‡	0	‡	0	‡	†	‡	
Chronic Liver Disease and Cirrhosis	0	‡	†	‡	†	‡	0	‡	†	‡	0	‡	†	‡	
Births - Occurrence	Live Births, Total	5	‡	0	‡	†	‡	0	‡	109	14.5	0	‡	0	‡
Deaths - Occurrence	Deaths (Excluding Fetal), Total	36	9.7	47	7.5	44	8.8	†	‡	78	10.3	19	‡	16	‡
	Motor Vehicle Accidents	†	‡	†	‡	†	‡	0	‡	†	‡	†	‡	0	‡
	Non-Motor Vehicle Accidents	†	‡	†	‡	†	‡	0	‡	†	‡	0	‡	0	‡
Infant Death - Occurrence	Infant Deaths (Under 1 Year)	0	‡	†	‡	0	‡	0	‡	0	‡	0	‡	0	‡
Marriages - Occurrence	Marriages Solemnized	25	6.7	41	6.5	25	5.0	5	‡	41	5.4	27	13.1	6	‡
	Licenses Issued	20	5.4	37	5.9	26	5.2	†	‡	43	5.7	17	‡	8	‡
Marital Terminations - Occurrence	Marital Terminations	8	‡	11	‡	14	‡	0	‡	17	‡	0	‡	†	‡

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

** 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, 2021

Item		Yellowstone	
		Number	Rate
Population	Population	167,146	-
Natural Increase*	Natural Increase*	-94	-0.6
Births - Residence	Live Births, Total	1,838	11.0
	Live Births, Male	937	5.6
	Live Births, Female	901	5.4
Deaths - Residence	Deaths (Excluding Fetal), Total	1,932	11.6
	Deaths (Excluding Fetal), Male	983	5.9
	Deaths (Excluding Fetal), Female	949	5.7
Infant Mortality & Fetal Death - Residence**	Infant Deaths (Under 1 Year)	†	‡
	Neonatal (Under 28 Days)	†	‡
	Postneonatal (28 Days - 1 Year)	†	‡
	Fetal	5	‡
	Perinatal	8	‡
Leading Causes of Death - Residence**	Heart Disease	378	226.1
	Cancer	309	184.9
	COVID-19	238	142.4
	Unintentional Injury	145	86.8
	Chronic Lower Respiratory Disease	88	52.6
	Cerebrovascular Disease	66	39.5
	Suicide	49	29.3
	Alzheimer's Disease	50	29.9
	Diabetes Mellitus	49	29.3
Chronic Liver Disease and Cirrhosis	45	26.9	
Births - Occurrence	Live Births, Total	2,594	15.5
Deaths - Occurrence	Deaths (Excluding Fetal), Total	2,627	15.7
	Motor Vehicle Accidents	42	0.3
	Non-Motor Vehicle Accidents	132	0.8
Infant Death - Occurrence	Infant Deaths (Under 1 Year)	8	‡
Marriages - Occurrence	Marriages Solemnized	937	5.6
	Licenses Issued	1,067	6.4
Marital Terminations - Occurrence	Marital Terminations	426	2.5

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

** 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 Patient**
Montana Residents, 1992-2021

Year			Age						
			All Ages	Younger Than 20	20-24	25-29	30-34	35 And Older	Not Stated
2021	Live Births	Number	11,231	448	2,046	3,447	3,405	1,883	†
		Rate*	54.7	13.7	59.0	99.6	97.3	27.5	‡
	Fetal Deaths	Number	37	†	10	9	8	7	0
		Rate*	0.1	‡	‡	‡	‡	‡	0
	Induced Abortions	Number	1,546	172	463	398	293	220	0
		Rate*	7.5	5.2	13.3	11.5	8.3	3.2	0
2020	Live Births	Number	10,794	414	2,109	3,270	3,187	1,814	0
		Rate*	54.3	13.2	61.9	94.6	95.0	27.7	0
	Fetal Deaths	Number	41	†	5	11	17	6	0
		Rate*	0.2	‡	‡	‡	‡	‡	0
	Induced Abortions	Number	1,498	177	414	402	269	236	0
		Rate*	7.5	5.6	12.1	11.6	8.0	3.6	0
2019	Live Births	Number	11,080	505	2,243	3,508	3,039	1,785	0
		Rate*	56.7	16.3	66.0	101.8	92.9	28.1	0
	Fetal Deaths	Number	52	†	15	12	16	7	0
		Rate*	0.2	‡	‡	‡	‡	‡	0
	Induced Abortions	Number	1,398	144	415	395	235	209	0
		Rate*	7.1	4.6	12.2	11.4	7.1	3.3	0
2018	Live Births	Number	11,515	532	2,411	3,638	3,232	1,701	†
		Rate*	59.5	17.3	70.4	105.8	99.7	27.5	‡
	Fetal Deaths	Number	40	†	9	15	11	†	0
		Rate*	0.2	‡	‡	‡	‡	‡	0
	Induced Abortions	Number	1,501	169	429	424	276	201	0
		Rate*	7.7	5.5	12.5	12.3	8.5	3.2	0
2017	Live Births	Number	11,800	654	2,527	3,622	3,255	1,742	0
		Rate*	61.7	21.4	72.8	107.6	100.8	29.0	0
	Fetal Deaths	Number	51	†	13	11	13	10	0
		Rate*	0.2	‡	‡	‡	‡	‡	0
	Induced Abortions	Number	1,415	168	443	387	206	208	0
		Rate*	7.4	5.5	12.7	11.5	6.3	3.4	0
2016	Live Births	Number	12,274	726	2,704	3,858	3,248	1,738	0
		Rate*	65.1	23.8	77.5	118.8	100.7	29.8	0
	Fetal Deaths	Number	53	5	10	14	10	14	0
		Rate*	0.2	‡	‡	‡	‡	‡	0
	Induced Abortions	Number	1,460	154	467	361	249	226	0
		Rate*	7.7	5.0	13.3	11.1	7.7	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).

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Table S-5
Frequency and Age-Specific Rate* of Live Births, Fetal Deaths,
and Induced Abortions by Year and Age of Mother or Patient**
Montana Residents, 1992-2021

Year			Age						
			All Ages	Younger Than 20	20-24	25-29	30-34	35 And Older	Not Stated
2015	Live Births	Number	12,580	777	2,866	3,915	3,375	1,647	0
		Rate*	67.4	25.7	81.6	123.9	105.1	28.6	0
	Fetal Deaths	Number	45	6	7	8	14	10	0
		Rate*	0.2	‡	‡	‡	‡	‡	0
	Induced Abortions	Number	1,397	176	439	370	233	178	0
		Rate*	7.4	5.8	12.5	11.7	7.2	3.0	0
2014	Live Births	Number	12,431	813	2,928	3,918	3,232	1,539	†
		Rate*	67.1	26.7	83.2	126.2	101.2	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*	7.9	6.4	14.1	12.1	6.8	3.0	0
2013	Live Births	Number	12,351	859	3,165	3,877	2,988	1,462	0
		Rate*	67.1	27.9	90.7	125.9	95.4	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	15.3	12.6	8.4	3.6	0
2012	Live Births	Number	12,052	896	3,066	3,728	2,923	1,439	0
		Rate*	66.2	28.9	89.7	121.3	96.0	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*	9.9	8.7	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*	66.4	29.5	96.1	120.1	95.8	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	9.0	3.8	0
2010	Live Births	Number	12,058	1,141	3,137	3,624	2,772	1,383	†
		Rate*	67.0	35.5	96.7	116.7	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

* 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).

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Table S-5
Frequency and Age-Specific Rate* of Live Births, Fetal Deaths,
and Induced Abortions by Year and Age of Mother or Patient**
Montana Residents, 1992-2021

Year			Age						Not Stated
			All Ages	Younger Than 20	20-24	25-29	30-34	35 And Older	
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
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	1,930	375	722	406	209	217	0
		Rate*	10.6	10.9	21.2	15.4	8.0	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	2,061	414	722	441	226	257	0
		Rate*	11.3	12.0	22.1	18.0	8.6	4.0	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.

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Table S-5
Frequency and Age-Specific Rate* of Live Births, Fetal Deaths,
and Induced Abortions by Year and Age of Mother or Patient**
Montana Residents, 1992-2021

Year			Age						
			All Ages	Younger Than 20	20-24	25-29	30-34	35 And Older	Not Stated
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	2,035	455	679	381	269	251	0
		Rate*	11.1	13.0	22.4	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	37	5	9	8	8	5	†
		Rate*	0.2	‡	‡	‡	‡	‡	‡
	Induced Abortions	Number	2,063	476	697	351	260	272	7
		Rate*	11.2	13.4	24.3	14.8	9.9	3.8	‡
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	47	9	14	11	8	5	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	56	†	16	20	10	7	0
		Rate*	0.3	‡	‡	0.8	‡	‡	0
	Induced Abortions	Number	2,131	546	659	404	244	276	0
		Rate*	11.4	15.7	23.6	16.4	9.3	3.7	0
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	65	11	11	21	7	14	†
		Rate*	0.3	‡	‡	0.8	‡	‡	‡
	Induced Abortions	Number	2,159	498	710	418	247	283	†
		Rate*	11.5	14.3	25.7	17.1	9.2	3.8	‡

* 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 Patient**
Montana Residents, 1992-2021

Year			Age						
			All Ages	Younger Than 20	20-24	25-29	30-34	35 And Older	Not Stated
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	43	5	19	10	†	7	0
		Rate*	0.2	‡	‡	‡	‡	‡	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	56	10	9	13	11	13	0
		Rate*	0.2	‡	‡	‡	‡	‡	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	58	10	7	15	17	9	0
		Rate*	0.3	‡	‡	‡	‡	‡	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	45	6	10	10	11	7	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	62	8	17	17	11	8	†
		Rate*	0.3	‡	‡	‡	‡	‡	‡
	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	69	†	16	21	16	12	0
		Rate*	0.3	‡	‡	0.8	‡	‡	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

* 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, 2007-2020

County	Year														
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Montana Total	964,706	976,415	983,982	990,730	997,518	1,004,168	1,014,158	1,022,657	1,031,495	1,042,137	1,053,862	1,061,818	1,070,123	1,086,193	1,104,271
Beaverhead	9,028	9,166	9,200	9,257	9,214	9,361	9,307	9,340	9,303	9,462	9,436	9,413	9,474	9,372	9,524
Big Horn	12,549	12,564	12,747	12,912	13,058	12,996	13,114	13,341	13,310	13,438	13,454	13,305	13,248	13,051	12,957
Blaine	6,472	6,401	6,445	6,503	6,576	6,683	6,638	6,710	6,683	6,716	6,740	6,764	6,704	7,002	6,980
Broadwater	5,089	5,261	5,496	5,632	5,725	5,759	5,678	5,657	5,717	5,787	5,922	6,043	6,203	6,846	7,288
Carbon	9,973	9,965	10,033	10,063	10,089	10,142	10,338	10,438	10,404	10,480	10,687	10,654	10,703	10,512	10,847
Carter	1,216	1,172	1,180	1,159	1,136	1,157	1,152	1,150	1,147	1,175	1,222	1,223	1,245	1,413	1,428
Cascade	80,099	80,529	80,680	81,513	81,734	81,657	82,241	82,118	81,959	81,655	81,729	81,756	81,393	84,328	84,511
Chouteau	5,746	5,774	5,793	5,810	5,812	5,933	5,854	5,902	5,777	5,780	5,738	5,759	5,681	5,899	5,916
Custer	11,480	11,515	11,646	11,691	11,759	11,804	11,883	12,023	12,098	11,844	11,741	11,576	11,361	11,859	11,916
Daniels	1,702	1,704	1,732	1,749	1,760	1,775	1,778	1,798	1,751	1,730	1,720	1,706	1,646	1,658	1,686
Dawson	8,944	8,925	9,008	8,952	9,030	9,238	9,392	9,518	9,591	9,279	8,966	8,663	8,638	8,922	8,904
Deer Lodge	9,264	9,351	9,260	9,291	9,282	9,220	9,264	9,125	9,115	9,071	9,122	9,159	9,207	9,413	9,491
Fallon	2,768	2,807	2,882	2,889	2,930	3,025	3,047	3,111	3,172	3,097	3,012	2,925	2,878	3,033	3,017
Fergus	11,463	11,448	11,571	11,585	11,463	11,394	11,470	11,336	11,315	11,333	11,280	11,088	11,032	11,457	11,617
Flathead	88,245	90,260	90,910	90,863	91,282	91,630	92,988	94,642	95,940	97,901	100,272	102,100	103,880	104,773	108,454
Gallatin	86,620	88,932	89,187	89,662	91,413	92,627	94,885	97,629	101,043	104,999	108,850	111,878	114,472	119,502	122,713
Garfield	1,234	1,205	1,240	1,192	1,254	1,244	1,254	1,274	1,283	1,295	1,279	1,262	1,272	1,172	1,209
Glacier	13,179	13,109	13,266	13,421	13,579	13,671	13,793	13,711	13,647	13,707	13,729	13,797	13,701	13,747	13,785
Golden	964	890	897	879	830	827	846	841	818	811	817	825	827	820	831
Granite	3,039	3,031	3,057	3,073	3,077	3,040	3,067	3,144	3,160	3,276	3,343	3,355	3,335	3,308	3,344
Hill	16,031	15,889	15,981	16,151	16,391	16,395	16,534	16,500	16,435	16,440	16,468	16,351	16,494	16,250	16,179
Jefferson	11,040	11,203	11,364	11,406	11,373	11,319	11,457	11,505	11,576	11,774	11,918	12,084	12,211	12,133	12,470
Judith Basin	2,083	2,071	2,076	2,075	2,011	2,006	2,002	1,985	1,932	1,944	1,944	1,950	2,010	2,017	2,044
Lake	28,235	28,515	28,668	28,792	28,983	29,021	29,138	29,236	29,482	29,722	30,277	30,346	30,586	31,259	32,033
Lewis & Clark	60,646	61,747	62,671	63,578	64,284	64,760	65,277	65,764	66,308	67,001	67,988	68,775	69,578	71,093	72,223
Liberty	2,236	2,225	2,283	2,349	2,381	2,396	2,364	2,351	2,395	2,413	2,415	2,440	2,386	1,960	1,946
Lincoln	19,440	19,541	19,657	19,693	19,629	19,494	19,437	19,208	19,085	19,332	19,589	19,862	20,099	19,731	20,525
McCone	1,767	1,720	1,705	1,745	1,709	1,700	1,714	1,713	1,698	1,729	1,695	1,655	1,649	1,733	1,718
Madison	7,560	7,674	7,674	7,696	7,644	7,664	7,679	7,832	8,033	8,074	8,280	8,586	8,749	8,657	8,917
Meagher	1,908	1,893	1,897	1,878	1,878	1,887	1,905	1,857	1,822	1,851	1,856	1,847	1,841	1,925	1,964
Mineral	4,156	4,177	4,200	4,230	4,221	4,130	4,230	4,196	4,194	4,129	4,240	4,314	4,422	4,565	4,860
Missoula	106,110	107,747	108,717	109,471	110,270	111,104	111,988	112,924	114,281	116,587	118,068	118,959	120,066	118,238	119,533
Musselshell	4,394	4,423	4,478	4,555	4,747	4,693	4,684	4,647	4,631	4,640	4,623	4,623	4,626	4,747	4,896
Park	15,828	15,896	15,738	15,595	15,512	15,597	15,705	15,926	16,013	16,138	16,392	16,662	16,612	17,193	17,473
Petroleum	470	481	488	489	491	505	505	489	475	491	512	517	497	498	519
Phillips	4,193	4,182	4,242	4,252	4,186	4,123	4,163	4,174	4,150	4,121	4,117	4,047	3,955	4,190	4,192
Pondera	6,169	6,117	6,109	6,161	6,195	6,152	6,218	6,140	6,100	6,024	5,954	5,936	5,858	5,882	5,994
Powder River	1,761	1,756	1,738	1,739	1,739	1,754	1,754	1,777	1,768	1,747	1,748	1,729	1,688	1,693	1,702
Powell	7,117	7,036	7,093	7,019	7,084	7,078	6,953	6,876	6,793	6,837	6,785	6,920	6,854	6,934	6,999
Prairie	1,083	1,123	1,139	1,183	1,141	1,141	1,163	1,125	1,140	1,159	1,097	1,056	1,064	1,076	1,091
Ravalli	40,023	40,223	39,956	40,323	40,387	40,596	40,698	40,786	41,199	41,975	42,617	43,377	44,149	44,351	45,959
Richland	9,356	9,430	9,679	9,760	10,151	10,791	11,173	11,555	11,931	11,442	11,101	10,955	10,943	11,501	11,283
Roosevelt	10,166	10,129	10,334	10,444	10,496	10,854	11,087	11,283	11,416	11,223	11,156	11,084	11,027	10,780	10,821
Rosebud	9,089	9,095	9,174	9,245	9,328	9,349	9,303	9,327	9,355	9,263	9,225	9,047	8,955	8,298	8,124
Sanders	11,364	11,433	11,471	11,395	11,402	11,379	11,314	11,316	11,298	11,472	11,702	11,744	11,946	12,451	12,959
Sheridan	3,469	3,385	3,387	3,368	3,418	3,549	3,626	3,661	3,673	3,609	3,461	3,379	3,318	3,518	3,527
Silver Bow	33,489	33,812	34,008	34,235	34,420	34,496	34,610	34,801	34,746	34,768	34,859	34,768	34,901	35,168	35,411
Stillwater	8,867	8,945	9,077	9,112	9,153	9,161	9,250	9,230	9,419	9,349	9,408	9,496	9,671	9,010	9,044
Sweet Grass	3,778	3,755	3,731	3,617	3,584	3,579	3,657	3,637	3,618	3,610	3,668	3,701	3,717	3,671	3,723
Teton	6,143	6,143	6,050	6,074	6,060	6,058	6,053	6,035	6,064	6,017	6,100	6,121	6,150	6,242	6,269
Toole	4,969	5,079	5,245	5,343	5,157	5,218	5,125	5,121	5,083	4,962	4,872	4,830	4,709	4,964	5,011
Treasure	748	754	720	714	709	717	688	684	680	678	668	667	697	761	768
Valley	7,332	7,415	7,349	7,378	7,463	7,506	7,636	7,636	7,630	7,548	7,413	7,409	7,390	7,551	7,537
Wheatland	2,080	2,151	2,158	2,156	2,131	2,089	2,121	2,089	2,110	2,123	2,143	2,163	2,102	2,093	2,059
Wibaux	1,014	986	1,030	1,008	982	1,034	1,101	1,084	1,071	1,043	1,019	1,029	954	928	934
Yellowstone	141,518	144,255	146,465	148,405	149,805	151,690	153,857	155,379	156,658	158,066	159,425	160,118	161,349	165,045	167,146

Single-race Population Estimates, United States, 2020-2021. July 1st resident population by state, age, sex, single-race, and Hispanic origin, on CDC WONDER Online Database. Vintage 2021 estimates released by U.S. Census Bureau on June 30, 2022.

National Center for Health Statistics. Vintage 2019 postcensal estimates of the resident population of the United States (April 1, 2010, July 1, 2010-July 1, 2019), by year, county, single-year of age (0, 1, 2, ..., 85 years and over), bridged race, Hispanic origin, and sex. Prepared under a collaborative arrangement with the U.S. Census Bureau. Available from the [National Vital Statistics System](https://www.nvts.gov/) as of June 25, 2020, following release by the U.S. Census Bureau of the unbridged Vintage 2019 postcensal estimates by 5-year age group on June 20, 2020.

Table B-1
Frequency and Percent* Distribution of Live Births
by Infant's Sex, Plurality, and Parity
Montana Residents, 2013-2021

Item	YEAR																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Montana Total	12,351	100.0%	12,431	100.0%	12,580	100.0%	12,274	100.0%	11,800	100.0%	11,515	100.0%	11,080	100.0%	10,794	100.0%	11,231	100.0%
Sex																		
Male	6,346	51.3%	6,322	50.8%	6,389	50.7%	6,299	51.3%	6,036	51.1%	5,905	51.2%	5,615	50.6%	5,552	51.4%	5,757	51.2%
Female	6,004	48.6%	6,109	49.1%	6,191	49.2%	5,975	48.6%	5,764	48.8%	5,610	48.7%	5,465	49.3%	5,242	48.5%	5,474	48.7%
Unknown	1	0.0%	0	0.0%		0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Plurality																		
Single	11,979	96.9%	12,002	96.5%	12,142	96.5%	11,889	96.8%	11,414	96.7%	11,184	97.1%	10,752	97.0%	10,463	96.9%	10,913	97.1%
Twins	359	2.9%	420	3.3%	432	3.4%	379	3.0%	382	3.2%	320	2.7%	322	2.9%	320	2.9%	306	2.7%
Triplets Or More	12	0.0%	8	0.0%	6	0.0%	6	0.0%	3	0.0%	9	0.0%	6	0.0%	10	0.0%	10	0.0%
Not Stated	1	0.0%	1	0.0%	0	0.0%	0	0.0%	1	0.0%	2	0.0%	0	0.0%	1	0.0%	2	0.0%
Parity																		
First Birth	4,647	37.6%	4,619	37.1%	4,680	37.2%	4,510	36.7%	4,392	37.2%	4,134	35.9%	4,068	36.7%	4,021	37.2%	4,329	38.5%
Second Birth	3,803	30.7%	3,825	30.7%	3,876	30.8%	3,807	31.0%	3,638	30.8%	3,635	31.5%	3,437	31.0%	3,304	30.6%	3,490	31.0%
Third Birth	2,145	17.3%	2,160	17.3%	2,132	16.9%	2,150	17.5%	2,061	17.4%	2,032	17.6%	1,911	17.2%	1,878	17.3%	1,839	16.3%
Fourth Birth	975	7.8%	1,020	8.2%	1,069	8.4%	1,005	8.1%	916	7.7%	954	8.2%	901	8.1%	838	7.7%	893	7.9%
Fifth Birth	430	3.4%	438	3.5%	450	3.5%	421	3.4%	430	3.6%	387	3.3%	399	3.6%	394	3.6%	338	3.0%
Sixth Birth	193	1.5%	169	1.3%	190	1.5%	190	1.5%	157	1.3%	198	1.7%	169	1.5%	189	1.7%	165	1.4%
Seventh Birth	78	0.6%	99	0.7%	89	0.7%	93	0.7%	101	0.8%	76	0.6%	83	0.7%	81	0.7%	85	0.7%
Eighth Birth	33	0.2%	40	0.3%	38	0.3%	46	0.3%	48	0.4%	44	0.3%	35	0.3%	28	0.2%	31	0.2%
Ninth Or More	42	0.3%	53	0.4%	53	0.4%	44	0.3%	52	0.4%	47	0.4%	72	0.6%	58	0.5%	56	0.4%
Not Stated	5	0.0%	8	0.0%	3	0.0%	8	0.0%	5	0.0%	8	0.0%	5	0.0%	3	0.0%	5	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 of Live Births
by Type of Facility* and Attendant
Montana Occurrences, 1992-2021

Year and Facility	All Births	Attendant					
		Doctor of Medicine	Doctor of Osteopathy	Certified Nurse Midwife	Other Midwife	Other or Unspecified	
2021	Hospital	10,750	8,145	1,354	1,208	22	21
	Freestanding Birthing Center	171	0	0	129	42	0
	Residence	328	3	1	22	241	61
	Other or Unspecified	0	0	0	0	0	0
2020	Hospital	10,376	8,096	1,117	1,085	37	41
	Freestanding Birthing Center	161	0	0	122	38	1
	Residence	285	1	0	18	210	56
	Other or Unspecified	0	0	0	0	0	0
2019	Hospital	10,678	8,274	1,111	1,211	34	48
	Freestanding Birthing Center	174	0	0	117	56	1
	Residence	271	7	0	22	178	64
	Other or Unspecified	0	0	0	0	0	0
2018	Hospital	11,056	8,845	924	1,191	23	73
	Freestanding Birthing Center	179	0	0	127	52	0
	Residence	272	4	0	30	185	53
	Other or Unspecified	0	0	0	0	0	0
2017	Hospital	11,278	9,160	901	1,132	14	71
	Freestanding Birthing Center	152	0	0	110	42	0
	Residence	325	2	0	46	222	55
	Other or Unspecified	0	0	0	0	0	0
2016	Hospital	11,801	9,424	1,095	1,201	0	81
	Freestanding Birthing Center	188	0	0	134	54	0
	Residence	289	4	0	25	198	62
	Other or Unspecified	1	0	0	0	0	1
2015	Hospital	12,015	10,015	894	1,035	0	71
	Freestanding Birthing Center	212	0	0	139	73	0
	Residence	296	2	0	17	217	60
	Other or Unspecified	0	0	0	0	0	0
2014	Hospital	11,909	10,157	654	979	0	119
	Freestanding Birthing Center	209	0	0	138	71	0
	Residence	279	3	0	9	198	69
	Other or Unspecified	0	0	0	0	0	0
2013	Hospital	11,768	10,044	582	1,035	5	102
	Freestanding Birthing Center	250	0	0	159	91	0
	Residence	308	4	2	6	220	76
	Other or Unspecified	0	0	0	0	0	0
2012	Hospital	11,594	10,176	532	819	11	56
	Freestanding Birthing Center	187	0	0	113	74	0
	Residence	289	7	0	3	217	62
	Other or Unspecified	1	0	0	0	0	1
2011	Hospital	11,554	10,300	244	901	11	98
	Freestanding Birthing Center	209	0	0	125	84	0
	Residence	253	0	0	4	178	71
	Other or Unspecified	1	0	0	0	1	0
2010	Hospital	11,646	10,364	177	962	3	140
	Freestanding Birthing Center	147	0	0	100	44	3
	Residence	272	1	0	29	190	52
	Other or Unspecified	0	0	0	0	0	0
2009	Hospital	11,753	10,463	133	961	1	195
	Freestanding Birthing Center	128	0	0	97	31	0
	Residence	323	4	0	31	214	74
	Other or Unspecified	0	0	0	0	0	0
2008	Hospital	12,073	10,709	179	983	4	198
	Freestanding Birthing Center	196	3	0	170	23	0
	Residence	282	10	0	30	175	67
	Other or Unspecified	0	0	0	0	0	0
2007	Hospital	11,958	10,628	192	1,017	36	85
	Freestanding Birthing Center	172	7	0	147	18	0
	Residence	254	1	0	27	175	51
	Other or Unspecified	17	3	2	0	9	3

*Hospital Births Include Infants Born on Arrival

Table B-2
Frequency of Live Births
by Type of Facility* and Attendant
Montana Occurrences, 1992-2021

Year and Facility	All Births	Attendant					
		Doctor of Medicine	Doctor of Osteopathy	Certified Nurse Midwife	Other Midwife	Other or Unspecified	
2006	Hospital	12,102	10,374	95	911	5	717
	Freestanding Birthing Center	88	4	0	49	23	12
	Residence	289	1	0	33	176	79
	Other or Unspecified	9	7	0	0	1	1
2005	Hospital	11,263	10,107	139	983	0	34
	Freestanding Birthing Center	20	0	0	0	20	0
	Residence	265	1	0	17	163	84
	Other or Unspecified	8	1	0	1	2	4
2004	Hospital	11,262	10,024	169	990	0	79
	Freestanding Birthing Center	34	0	0	1	32	1
	Residence	230	2	0	12	149	67
	Other or Unspecified	0	0	0	0	0	0
2003	Hospital	11,139	9,870	157	1,050	0	62
	Freestanding Birthing Center	22	0	0	1	20	1
	Residence	249	2	0	14	135	98
	Other or Unspecified	8	0	0	2	2	4
2002	Hospital	10,763	9,381	277	1,057	0	48
	Freestanding Birthing Center	18	0	0	1	16	1
	Residence	226	0	0	26	109	91
	Other or Unspecified	12	3	0	3	3	3
2001	Hospital	10,657	9,145	329	1,111	0	72
	Freestanding Birthing Center	29	1	0	1	26	1
	Residence	237	1	0	23	122	91
	Other or Unspecified	12	2	0	2	2	6
2000	Hospital	10,638	9,190	324	1,079	0	45
	Freestanding Birthing Center	16	0	0	1	11	4
	Residence	265	1	0	23	155	86
	Other or Unspecified	10	0	0	4	1	5
1999	Hospital	10,438	9,209	402	725	0	102
	Freestanding Birthing Center	17	0	0	12	5	0
	Residence	274	2	0	45	148	79
	Other or Unspecified	17	3	1	6	7	0
1998	Hospital	10,433	9,188	278	911	5	51
	Freestanding Birthing Center	17	1	0	16	0	0
	Residence	271	0	0	50	170	51
	Other or Unspecified	20	4	1	4	6	5
1997	Hospital	10,420	9,359	196	801	7	57
	Freestanding Birthing Center	16	0	0	16	0	0
	Residence	271	6	0	42	135	88
	Other or Unspecified	22	8	1	4	2	7
1996	Hospital	10,449	9,421	207	767	1	53
	Freestanding Birthing Center	18	0	0	17	1	0
	Residence	309	6	1	43	163	96
	Other or Unspecified	14	3	0	2	4	5
1995	Hospital	10,693	9,674	278	693	1	47
	Freestanding Birthing Center	15	0	0	15	0	0
	Residence	330	10	0	49	190	81
	Other or Unspecified	11	2	0	0	1	8
1994	Hospital	10,624	9,805	183	594	1	41
	Freestanding Birthing Center	21	0	0	21	0	0
	Residence	310	7	0	57	167	79
	Other or Unspecified	13	0	0	7	3	3
1993	Hospital	10,866	0	0	0	0	10,866
	Freestanding Birthing Center	1	0	0	0	0	1
	Residence	273	0	0	0	0	273
	Other or Unspecified	37	0	0	0	0	37
1992	Hospital	10,883	0	0	0	0	10,883
	Freestanding Birthing Center	2	0	0	0	0	2
	Residence	308	0	0	0	0	308
	Other or Unspecified	46	0	0	0	0	46

* Hospital Births Include Infants Born on Arrival

Table B-3
Frequency and Percent* Distribution of Live Births
by Birth Weight and Year
Montana Residents, 1989-2021

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
2021	11,231	47	0.4%	62	0.5%	746	6.6%	9,584	85.3%	780	6.9%	12	0.1%
2020	10,794	50	0.4%	65	0.6%	716	6.6%	9,203	85.2%	756	7.0%	4	0.0%
2019	11,080	37	0.3%	61	0.5%	706	6.3%	9,457	85.3%	814	7.3%	5	0.0%
2018	11,515	45	0.3%	64	0.5%	747	6.4%	9,767	84.8%	885	7.6%	7	0.0%
2017	11,800	47	0.3%	78	0.6%	821	6.9%	9,893	83.8%	958	8.1%	3	0.0%
2016	12,274	61	0.4%	75	0.6%	830	6.7%	10,380	84.5%	919	7.4%	9	0.0%
2015	12,580	50	0.3%	55	0.4%	782	6.2%	10,641	84.5%	1,045	8.3%	7	0.0%
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, 1989-2021

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	Num.	Pct.	Num.	Pct.	Num.	Pct.	Num.	Pct.	Num.	Pct.	Num.	Pct.	Num.	Pct.
2021	11,231	48	0.4%	94	0.8%	949	8.4%	7,594	67.6%	2,499	22.2%	33	0.2%	14	0.1%
2020	10,794	49	0.4%	87	0.8%	923	8.5%	7,226	66.9%	2,476	22.9%	28	0.2%	5	0.0%
2019	11,080	42	0.3%	75	0.6%	948	8.5%	7,274	65.6%	2,688	24.2%	48	0.4%	5	0.0%
2018	11,515	43	0.3%	79	0.6%	925	8.0%	7,292	63.3%	3,118	27.0%	48	0.4%	10	0.0%
2017	11,800	52	0.4%	100	0.8%	966	8.1%	7,136	60.4%	3,468	29.3%	70	0.5%	8	0.0%
2016	12,274	63	0.5%	94	0.7%	915	7.4%	7,450	60.6%	3,684	30.0%	54	0.4%	14	0.1%
2015	12,580	56	0.4%	71	0.5%	934	7.4%	7,639	60.7%	3,812	30.3%	56	0.4%	12	0.0%
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, 1989-2021

Year	Total	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	No Care	Not Stated
2021	11,231	271	3,502	4,818	1,117	518	301	221	178	101	35	149	20
2020	10,794	285	3,554	4,330	1,130	486	280	227	182	117	25	168	10
2019	11,080	342	3,735	4,225	1,107	559	366	269	197	103	25	140	12
2018	11,515	345	3,795	4,303	1,237	604	378	266	244	99	35	162	47
2017	11,800	306	3,763	4,594	1,378	597	349	278	215	118	24	145	33
2016	12,274	301	3,702	4,737	1,463	676	468	314	269	130	36	134	44
2015	12,580	263	3,486	5,091	1,597	744	412	340	298	141	32	125	51
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	-	75	285
2006	12,499	1,586	5,645	3,071	920	477	224	171	97	43	-	66	199
2005	11,573	1,361	5,348	2,907	859	433	230	134	62	32	-	72	135
2004	11,514	1,462	5,178	2,873	854	463	268	138	97	25	-	69	87
2003	11,384	1,436	5,269	2,866	811	424	221	123	91	33	-	56	54
2002	11,045	1,300	5,023	2,867	858	397	232	127	80	35	-	61	65
2001	10,947	1,302	5,027	2,686	863	460	229	144	94	24	-	71	47
2000	10,946	1,405	4,997	2,661	819	439	217	160	74	34	-	70	70
1999	10,778	1,524	4,876	2,605	778	404	229	139	89	22	-	72	40
1998	10,789	1,389	4,836	2,617	865	421	266	150	103	75	-	67	0
1997	10,838	1,615	4,704	2,581	836	425	216	180	94	95	-	92	0
1996	10,840	1,670	4,802	2,445	848	431	248	164	78	31	-	71	52
1995	11,136	1,741	4,736	2,567	949	444	269	153	104	63	-	75	35
1994	11,062	1,804	4,751	2,417	958	450	244	162	88	53	-	78	57
1993	11,362	1,696	4,718	2,677	1,000	472	314	202	121	31	-	68	63
1992	11,468	1,586	4,621	2,707	1,074	581	355	222	132	43	-	81	66
1991	11,498	1,526	4,555	2,776	1,105	590	363	221	143	46	-	86	87
1990	11,602	1,545	4,537	2,720	1,119	616	398	279	140	61	-	109	78
1989	11,667	1,466	4,626	2,848	1,090	625	361	267	148	50	-	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, 2021

Cause of Death*	All Ages			Age In Years																	
				0-4		5-9		10-14		15-17		18-19		20-24		25-29		30-34		35-39	
	Both	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
All Causes**	12,70	7,022	5,685	39	34	6	3	16	5	35	11	26	12	71	23	87	35	112	43	129	82
I. Certain infectious and parasitic diseases	1,762	1,016	746	1	3	0	0	0	0	1	0	0	0	2	1	4	3	6	6	18	9
Intestinal infectious diseases	21	9	12	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other intestinal infectious diseases	11	6	5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(3) Paratyphoid fevers and other salmonella infections	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(7) Intestinal infections due to other specified organisms	10	6	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(8) Diarrhea and gastroenteritis of infectious origin	10	3	7	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tuberculosis	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(10) Other tuberculosis	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Zoonotic and other bacterial diseases	123	68	55	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	1	0	2
(18) Septicemia	107	58	49	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
(19) Other zoonotic and bacterial diseases	16	10	6	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Infections with a predominately sexual mode of transmission	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syphilis	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(21) Neurosyphilis	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Viral diseases	1,604	933	671	0	1	0	0	0	0	0	0	0	0	2	1	3	3	5	5	18	7
(33) Herpesviral (herpes simplex) infections	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(38) Viral hepatitis	12	8	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Human immunodeficiency virus (HIV) disease	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
(39) Human immunodeficiency virus (HIV) disease resulting in infectious and parasitic diseases	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(42) Human immunodeficiency virus (HIV) disease resulting in other conditions	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
(44) All other and unspecified viral diseases	1,588	921	667	0	1	0	0	0	0	0	0	0	0	2	1	3	3	4	5	18	7
Other and unspecified infectious and parasitic diseases and their sequelae	12	5	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(45) Mycoses	4	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Protozoal diseases	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(49) Pneumocystosis	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(54) Sequelae of poliomyelitis	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(55) All other and unspecified infectious and parasitic diseases and their sequelae	4	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
II. Neoplasms	2,219	1,234	985	1	0	1	0	1	1	1	1	0	0	2	2	0	0	3	2	3	6
Malignant neoplasms	2,156	1,201	955	1	0	1	0	1	1	1	1	0	0	2	2	0	0	3	2	3	6
Malignant neoplasms of lip, oral cavity and pharynx	46	34	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(57) Of tongue	19	14	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(58) Of pharynx	12	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(59) Of other and unspecified sites within the lip, oral cavity and pharynx	15	11	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malignant neoplasms of digestive organs	566	350	216	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4
(60) Of esophagus	70	58	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(61) Of stomach	31	19	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(62) Of small intestine	7	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Of colon, rectum and anus	201	111	90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2
(63) Colon	134	74	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
(64) Rectosigmoid junction and rectum	60	34	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(65) Anus and anal canal	7	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Of liver and intrahepatic bile ducts	79	45	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

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Table D-1
Frequency of Death by Sex, Age, and 358 Selected Underlying Causes
Montana Residents, 2021

Cause of Death*	All Ages			Age In Years																
				0-4		5-9		10-14		15-17		18-19		20-24		25-29		30-34		35-39
	Both	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	
(66) Liver	48	35	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(67) Intrahepatic bile duct carcinoma	31	10	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(68) Of gallbladder and extrahepatic bile ducts	10	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(69) Of pancreas	162	105	57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(70) Of other and ill-defined digestive organs	6	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malignant neoplasms of respiratory and intrathoracic organs	460	244	216	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(71) Of nasal cavity, middle ear and accessory sinuses	4	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(72) Of larynx	12	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(73) Of trachea, bronchus and lung	444	233	211	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	7	3	4	0	0	0	0	0	1	0	0	0	0	0	2	0	0	1	0	0
Melanoma and other malignant neoplasms of skin	44	38	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
(77) Malignant melanoma of skin	35	30	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
(78) Other malignant neoplasms of skin	9	8	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malignant neoplasms of mesothelial and soft tissue	31	9	22	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
(79) Mesothelioma	5	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(81) Of other mesothelial and soft tissue	26	9	17	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
(82) Malignant neoplasm of breast	145	4	141	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Malignant neoplasms of female genital organs	115	0	115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
(83) Of vulva and vagina	10	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(84) Of cervix uteri	8	0	8	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	42	0	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(86) Of ovary	50	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
(87) Of other and unspecified female genital organs	5	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malignant neoplasms of male genital organs	130	130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(89) Of prostate	127	127	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	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malignant neoplasms of urinary tract	119	85	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(92) Of kidney and renal pelvis	58	40	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(93) Of bladder	57	43	14	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
(95) Malignant neoplasm of eye and adnexa	1	1	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	77	46	31	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0
(96) Of brain	75	46	29	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(97) Of 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
(98) Malignant neoplasms of thyroid and other endocrine glands	13	9	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
(99) Other malignant neoplasms of other and unspecified sites	208	119	89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Malignant neoplasms of lymphoid, hematopoietic and related tissue	194	129	65	0	0	0	0	1	0	1	0	0	0	2	0	0	0	0	0	0
(100) Hodgkin's disease	7	4	3	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Of other lymphoid, hematopoietic and related tissue	73	51	22	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
(101) Non-Hodgkin's lymphoma	71	49	22	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
(102) Of other and unspecified lymphoid, hematopoietic and related tissue	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(103) Malignant immunoproliferative diseases	1	0	1	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	36	21	15	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, 2021

Cause of Death*	All Ages			Age In Years																	
	Both		Fem.	0-4		5-9		10-14		15-17		18-19		20-24		25-29		30-34		35-39	
	Male	Female		Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
Leukemia	77	53	24	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0
(105) Lymphoid leukemia	20	13	7	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0
(106) Myeloid leukemia	47	34	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(108) Other and unspecified leukemia	10	6	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Benign neoplasms	8	2	6	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	6	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(113) Of other and unspecified sites	2	0	2	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	52	29	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(115) Neoplasm of uncertain or unknown behavior of unspecified sites	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
III. Diseases of the blood and blood forming organs and certain disorders involving the immune mechanism	43	23	20	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Anemias	23	12	11	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(116) Nutritional anemias	3	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(117) Hemolytic anemias	3	1	2	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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(119) Acute posthemorrhagic and other anemias	15	9	6	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	7	4	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	5	3	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
(122) Certain disorders involving the immune mechanism	4	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IV. Endocrine, nutritional and metabolic diseases	591	305	286	0	1	0	0	0	0	1	0	1	0	0	2	0	4	3	3	1	1
Endocrine diseases	327	184	143	0	0	0	0	0	0	0	0	0	0	0	2	0	4	3	2	0	0
(123) Disorders of thyroid gland	8	2	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(124) Diabetes mellitus	314	180	134	0	0	0	0	0	0	0	0	0	0	0	2	0	4	3	2	0	0
(125) Disorders of pituitary gland	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(126) Disorders of adrenal glands	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(128) Other endocrine diseases	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nutritional diseases	175	72	103	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1
Malnutrition	117	46	71	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(130) Other and unspecified malnutrition	117	46	71	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(131) Other nutritional deficiencies	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(132) Obesity and other hyperalimentation	57	26	31	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1
Metabolic disorders	89	49	40	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
(134) Volume depletion, disorders of fluid, electrolyte and acid-base balance	25	13	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(135) Other metabolic disorders	64	36	28	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
V. Mental and behavioral disorders	777	316	461	0	0	0	0	0	0	0	0	0	3	0	3	0	9	1	5	1	1
(136) Organic dementia	623	213	410	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(137) Other and unspecified organic mental disorders	5	2	3	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	134	98	36	0	0	0	0	0	0	0	0	0	2	0	3	0	9	1	5	1	1
(138) Mental and behavioral disorders due to use of alcohol	116	84	32	0	0	0	0	0	0	0	0	0	0	0	3	0	8	1	4	0	0
(139) Mental and behavioral disorders due to other psychoactive substance use	18	14	4	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0	1	1	1
(140) Schizophrenia, schizotypal and delusional disorders	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(141) Mood (affective) disorders	7	1	6	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

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Montana Residents, 2021

Cause of Death*	All Ages			Age In Years																		
				0-4		5-9		10-14		15-17		18-19		20-24		25-29		30-34		35-39		
	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	5	2	3	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	731	341	390	0	0	1	0	0	0	1	0	1	0	1	0	1	0	2	4	0	2	0
(145) Meningitis	4	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
(146) Other inflammatory diseases of central nervous system	8	4	4	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0
(147) Parkinson 's disease	135	77	58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(148) Alzheimer 's disease	341	133	208	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(149) Multiple sclerosis	26	9	17	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
(150) Epilepsy	8	5	3	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0
(152) Infantile cerebral palsy	6	5	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
(153) All other diseases of nervous system	203	105	98	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	1	0	0
IX. Diseases of the circulatory system	3,187	1,793	1,394	2	2	0	0	1	0	3	0	1	0	0	1	5	1	6	2	8	9	9
Acute rheumatic fever and chronic rheumatic heart diseases	25	10	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic rheumatic heart diseases	25	10	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(157) Rheumatic mitral valve diseases	13	3	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	5	4	1	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	6	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hypertensive diseases	265	126	139	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	2	2
(161) Essential (primary) hypertension	61	28	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(162) Hypertensive heart disease	136	66	70	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	1	0	1
(163) Hypertensive renal disease and secondary hypertension	35	17	18	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	33	15	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ischemic heart diseases	1,541	1,038	503	0	0	0	0	0	0	1	0	0	0	0	4	0	2	0	2	3	3	3
(165) Acute myocardial infarction	258	173	85	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	1	0	1
(166) Other acute ischemic heart diseases	11	7	4	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	1,272	858	414	0	0	0	0	0	0	1	0	0	0	0	2	0	1	0	2	2	2	2
(167) Atherosclerotic cardiovascular disease, so described	814	563	251	0	0	0	0	0	0	1	0	0	0	0	2	0	1	0	2	2	2	2
(168) All other forms of chronic ischemic heart disease	458	295	163	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other heart diseases	796	375	421	2	1	0	0	1	0	2	0	1	0	0	0	1	2	1	5	3	3	3
Pulmonary heart disease and diseases of pulmonary circulation	66	25	41	0	1	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	2	2
(169) Pulmonary embolism	27	13	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2
(170) Other pulmonary heart disease and diseases of pulmonary circulation	39	12	27	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Other non-pulmonary forms of heart disease	730	350	380	2	0	0	0	1	0	2	0	0	0	0	0	0	1	1	1	5	1	1
(171) Acute and subacute endocarditis	11	4	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
(172) Diseases of pericardium and acute myocarditis	11	5	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
Other diseases of endocardium	111	52	59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
(173) Nonrheumatic mitral valve disorders	15	9	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(174) Nonrheumatic aortic valve disorders	60	32	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
(175) All other diseases of endocardium	36	11	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(176) Cardiomyopathy	70	41	29	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
(177) Conduction disorders and cardiac dysrhythmias	199	88	111	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Heart failure	282	139	143	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0
(178) Congestive heart failure	193	92	101	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0
(179) Other and unspecified heart failure	89	47	42	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	6	4	2	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
(181) All other and ill-defined forms of heart disease	40	17	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
Cerebrovascular diseases	440	182	258	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1

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Table D-1
Frequency of Death by Sex, Age, and 358 Selected Underlying Causes
Montana Residents, 2021

Cause of Death*	All Ages			Age In Years																	
				0-4		5-9		10-14		15-17		18-19		20-24		25-29		30-34		35-39	
	Both	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
(182) Subarachnoid hemorrhage	14	5	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(183) Intracerebral and other intracranial hemorrhage	88	48	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(184) Cerebral infarction	64	28	36	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	198	68	130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(186) Other cerebrovascular diseases and their sequelae	76	33	43	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Diseases of arteries, arterioles and capillaries	107	56	51	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
(187) Atherosclerosis	19	11	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(188) Aortic aneurysm and dissection	36	21	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
(189) Other diseases of arteries, arterioles and capillaries	52	24	28	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other disorders of circulatory system	13	6	7	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
(190) Phlebitis, thrombophlebitis, venous embolism and thrombosis	9	4	5	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
(191) All other and unspecified disorders of circulatory system	4	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
X. Diseases of the respiratory system	916	460	456	2	1	0	0	0	0	0	0	1	0	2	0	1	0	2	0	3	1
Other diseases of the respiratory system	916	460	456	2	1	0	0	0	0	0	0	1	0	2	0	1	0	2	0	3	1
(195) Influenza	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pneumonia	103	53	50	0	1	0	0	0	0	0	0	1	0	1	0	0	0	1	0	1	0
(196) Viral pneumonia, not elsewhere classified	10	6	4	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
(197) Bacterial pneumonia	15	11	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0
(198) Pneumonia due to other or unspecified organisms	78	36	42	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Other acute lower respiratory infections	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(200) Other and unspecified acute lower respiratory infection	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(201) Other diseases of upper respiratory tract	3	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic lower respiratory diseases	570	264	306	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0
Bronchitis, chronic and unspecified, emphysema and asthma	569	263	306	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	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
(204) Emphysema	49	27	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(205) Other chronic obstructive pulmonary disease	511	234	277	0	0	0	0	0	0	0	0	0	0	0	0	0	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	1	0
(207) Bronchiectasis	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Lung diseases due to external agents	68	48	20	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
(208) Pneumoconioses and chemical effects	10	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pneumonitis due to solids and liquids	58	39	19	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
(209) Pneumonitis due to food and vomit	58	39	19	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
(212) Suppurative and necrotic conditions of lower respiratory tract	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(213) Pleural effusion and plaque	4	3	1	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	160	87	73	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
XI. Diseases of the digestive system	646	361	285	1	1	0	0	0	0	0	0	0	0	2	0	4	2	10	10	17	26
(215) Diseases of oral cavity, salivary glands and jaws	6	2	4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diseases of other parts of digestive system	640	359	281	1	0	0	0	0	0	0	0	0	0	2	0	4	2	10	10	17	26
(216) Diseases of esophagus	10	8	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peptic ulcer	24	13	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
(217) Gastric ulcer	6	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(218) Duodenal ulcer	13	6	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(219) Peptic ulcer, site unspecified	5	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
(221) Gastritis and duodenitis	3	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Montana Residents, 2021

Cause of Death*	All Ages			Age In Years																
				0-4		5-9		10-14		15-17		18-19		20-24		25-29		30-34		35-39
	Both	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	
(222) Dyspepsia and other diseases of stomach and duodenum	8	2	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(223) Diseases of appendix	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(224) Hernia	6	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(225) Crohn's disease and ulcerative colitis	3	1	2	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	68	30	38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
(227) Diverticular disease of intestine	14	5	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(228) Other diseases of intestines and peritoneum	20	12	8	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
(229) Diseases of peritoneum	8	3	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diseases of liver	362	212	150	0	0	0	0	0	0	0	0	0	1	0	4	2	9	8	15	22
(230) Alcoholic liver disease	237	151	86	0	0	0	0	0	0	0	0	0	1	0	4	1	6	6	12	18
(232) Fibrosis and cirrhosis of liver	71	38	33	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	3	2
(233) Other diseases of liver	54	23	31	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	0	2
(234) Cholelithiasis and other disorders of gallbladder	24	18	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Disorders of biliary tract and pancreas	32	16	16	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2
(235) Pancreatitis	18	7	11	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2
(236) Other disorders of biliary tract and pancreas	14	9	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(237) All other diseases of digestive system	55	33	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
XII. Diseases of the skin and subcutaneous tissue	30	17	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(238) Infections of skin and subcutaneous tissue	16	12	4	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	14	5	9	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	79	29	50	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
(240) Rheumatoid arthritis and related inflammatory polyarthropathies	14	3	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(241) Systemic lupus erythematosus	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(242) Other arthropathies and related disorders	26	8	18	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(243) Dorsopathies	7	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(244) Soft tissue disorders	11	6	5	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	1	0	0	0
(245) Osteoporosis	4	0	4	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	14	8	6	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
XIV. Diseases of the genitourinary system	256	135	121	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
Diseases of urinary system	243	126	117	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
Glomerular and renal tubulo-interstitial diseases	19	8	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glomerular diseases	13	4	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(247) Acute and rapidly progressive nephritic syndrome	9	2	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(248) Nephrotic syndrome	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(249) Other and unspecified glomerular diseases	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(250) Renal tubulo-interstitial diseases	6	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(251) Renal failure	166	95	71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
(252) Urolithiasis	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(254) Urinary tract infection, site not specified	38	15	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(255) Other diseases of urinary system	16	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diseases of male genital organs	9	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Montana Residents, 2021

Cause of Death*	Age In Years																					
	All Ages			0-4		5-9		10-14		15-17		18-19		20-24		25-29		30-34		35-39		
	Both	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	
(256) Hyperplasia of prostate	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
(257) Other diseases of male genital organs	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
(258) Disorders of breast	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Disorders of female genital organs	3	0	3	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	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
XV. Pregnancy, childbirth and the puerperium	7	0	7	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	3	0	1	
Pregnancy with abortive outcome	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	
(261) Ectopic pregnancy	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	
Other direct obstetric deaths	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
(267) Hemorrhage of pregnancy and childbirth and placenta previa	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	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	1	0	0	0	0	0	0	
(273) Indirect obstetric deaths	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	1	
XVI. Certain conditions originating in the perinatal period	19	12	7	11	7	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	9	6	3	6	3	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	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
(278) Respiratory distress of newborn	1	1	0	1	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	2	1	1	1	1	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	0	0	0	0	0	0	0	0	0	0	0	0	
(281) Other and unspecified conditions originating in the perinatal period	4	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
XVII. Congenital malformations, deformations and chromosomal abnormalities	34	19	15	4	5	0	0	2	0	0	0	1	0	2	0	0	0	1	0	0	1	
(284) All other congenital malformations of nervous system	2	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
(285) Congenital malformations of heart	7	4	3	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
(286) Other congenital malformations of circulatory system	5	3	2	0	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0	0	0	
(287) Congenital malformations of respiratory system	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
(288) Other congenital malformations and deformations	15	7	8	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
(289) Down 's syndrome	1	1	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	3	3	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	
XVIII. Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	78	39	39	10	9	0	1	0	0	0	0	0	0	0	0	2	0	2	0	0	1	
(291) Senility	10	6	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
III-defined and unknown causes of mortality	36	21	15	10	8	0	1	0	0	0	0	0	0	0	2	0	2	0	0	0	1	
(292) Sudden infant death syndrome	3	2	1	2	1	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	33	19	14	8	7	0	1	0	0	0	0	0	0	0	2	0	2	0	0	0	1	
(294) All other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	32	12	20	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
XX. External causes of mortality	1,332	922	410	7	4	3	2	12	4	28	10	21	11	57	17	65	26	64	16	68	26	
Accidents (unintentional injuries)	874	567	307	5	2	2	2	5	2	14	6	9	6	26	10	27	22	34	12	42	16	
Transport accidents	292	214	78	3	0	2	1	3	2	10	6	6	5	17	7	15	14	13	6	16	8	
(295) Railway accidents	3	2	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0	
Motor vehicle accidents	269	198	71	3	0	2	0	3	2	10	6	6	5	17	6	14	12	13	6	14	7	
(296) Pedestrian involved in collision with motor vehicle	10	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	1	0	

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Montana Residents, 2021

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	All Ages			0-4		5-9		10-14		15-17		18-19		20-24		25-29		30-34		35-39		
	Both	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	
(297) Pedalcyclist involved in collision with motor vehicle	3	2	1	0	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	29	27	2	0	0	0	0	0	0	0	0	0	0	2	0	0	0	3	1	1	0	
(301) Occupant of motor vehicle involved in collision with other (non-motorized) road vehicle, streetcar, animal or pedestrian	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
(302) Occupant of car, pickup truck or van involved in collision with other motor vehicle	14	12	2	0	0	1	0	2	1	1	0	0	0	3	0	0	0	1	0	0	0	
(304) Occupant of motor vehicle involved in noncollision accident	12	8	4	0	0	0	0	0	0	0	0	0	1	1	0	0	1	1	0	1	1	
(305) Occupant of special-use motor vehicle involved in any accident	25	23	2	1	0	0	0	0	0	0	0	0	0	4	1	2	0	1	0	0	0	
(306) Other and unspecified motor vehicle accidents	173	115	58	2	0	1	0	1	1	9	6	6	4	7	5	12	11	4	5	10	6	
(308) Other and unspecified land transport accidents	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
(309) Water transport accidents	5	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	
(310) Air and space transport accidents	6	2	4	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
(311) Other and unspecified transport accidents and their sequelae	5	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	
Falls	234	112	122	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0
(312) Fall on same level	128	56	72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(313) Fall from one level to another	29	24	5	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	
(314) Unspecified fall	77	32	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
(315) Accidental discharge of firearms	5	5	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0	
(316) Accidental explosion	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	
(317) Accidental drowning and submersion	22	19	3	0	0	0	0	0	0	2	0	0	0	1	0	1	0	0	0	0	0	
(318) Accidental inhalation and ingestion of food or other objects causing obstruction of respiratory tract	21	10	11	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
(319) Other accidental and unspecified threats to breathing	7	6	1	1	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0	0	
(320) Accidental exposure to electric current	1	1	0	0	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	17	13	4	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
(325) Earthquake, volcanic eruption, avalanche landslide and other earth movements	4	3	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	
Accidental poisoning and exposure to noxious substances	193	132	61	0	0	0	0	1	0	0	0	2	1	6	1	10	8	17	5	23	7	
(327) Accidental poisoning by and exposure to drugs and other biological substances	176	120	56	0	0	0	0	1	0	0	0	2	1	6	1	8	8	16	5	22	6	
(328) Accidental poisoning by and exposure to other and unspecified solid or liquid substances	12	9	3	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	
(329) Accidental poisoning by and exposure to other gases and vapors	5	3	2	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	
(330) All other and unspecified accidents and their sequelae	76	50	26	1	1	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	
Intentional self-harm (suicide)	351	284	67	0	0	0	0	6	2	13	4	11	5	25	5	29	2	24	3	22	8	
(331) Intentional self-poisoning (suicide) by and exposure to drugs and other biological substances	17	6	11	0	0	0	0	0	1	0	0	1	0	0	0	1	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	1	0	0	0	0	0	0	0	0	0	0	1	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	0	1	
(334) Intentional self-harm (suicide) by hanging, strangulation and suffocation	68	49	19	0	0	0	0	1	1	3	3	1	1	2	2	9	0	7	0	6	5	

* Line numbers shown in parentheses on this table correspond to those in the [NCHS Instruction Manual Part 9](#).

Table D-1
Frequency of Death by Sex, Age, and 358 Selected Underlying Causes
Montana Residents, 2021

Cause of Death*	All Ages			Age In Years																	
				0-4		5-9		10-14		15-17		18-19		20-24		25-29		30-34		35-39	
	Both	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
(335) Intentional self-harm (suicide) by discharge of firearms	239	208	31	0	0	0	0	5	0	9	1	7	4	22	2	18	2	14	2	16	2
(336) Intentional self-harm (suicide) by jumping from a high place	2	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0
(337) Intentional self-harm (suicide) by all other and unspecified means and their sequelae	17	14	3	0	0	0	0	0	0	1	0	2	0	0	0	1	0	2	1	0	0
Assault (homicide)	45	33	12	2	1	1	0	1	0	0	0	1	0	4	1	5	2	6	1	1	1
(339) Assault (homicide) by hanging, strangulation and suffocation	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
(340) Assault (homicide) by discharge of firearms	30	25	5	0	0	0	0	0	0	0	0	1	0	4	1	5	2	6	0	1	0
(341) Assault (homicide) by sharp object	5	3	2	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(345) Neglect, abandonment and other maltreatment syndromes	1	1	0	0	0	0	0	1	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	5	4	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Event of undetermined intent	27	17	10	0	1	0	0	0	0	1	0	0	0	1	1	3	0	0	0	3	1
(347) Poisoning by and exposure to drugs and biological substances undetermined intent	6	4	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0
(349) Poisoning by and exposure to other gases and vapors, undetermined intent	1	1	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	4	4	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	1	0
(352) All other and unspecified events of undetermined intent and their sequelae	16	8	8	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1
Legal intervention	2	2	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
(354) Other legal intervention and their sequelae	2	2	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
Complications of medical and surgical care	33	19	14	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	3	2	1	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	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	28	17	11	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 those in the [NCHS Instruction Manual Part 9](#).

Table D-1
 Frequency of Death by Sex, Age, and 358 Selected Underlying Causes
 Montana Residents, 2021

Cause of Death*	Age In Years																			
	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.
All Causes**	146	78	198	100	245	141	388	243	628	401	712	491	858	620	931	612	897	780	1,498	1,971
I. Certain infectious and parasitic diseases	9	14	31	19	38	26	62	41	106	73	112	96	149	110	140	87	150	76	187	182
Intestinal infectious diseases	0	0	0	0	0	0	1	0	1	1	1	0	0	1	1	0	0	3	4	5
Other intestinal infectious diseases	0	0	0	0	0	0	0	0	1	1	1	0	0	0	1	0	0	1	3	2
(3) Paratyphoid fevers and other salmonella infections	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(7) Intestinal infections due to other specified organisms	0	0	0	0	0	0	0	0	1	1	1	0	0	0	1	0	0	1	3	2
(8) Diarrhea and gastroenteritis of infectious origin	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	2	1	3
Tuberculosis	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
(10) Other tuberculosis	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Zoonotic and other bacterial diseases	0	1	2	2	2	0	5	3	9	3	4	7	11	6	8	6	8	8	16	16
(18) Septicemia	0	1	1	2	1	0	5	3	6	2	3	6	9	6	8	5	8	7	15	15
(19) Other zoonotic and bacterial diseases	0	0	1	0	1	0	0	0	3	1	1	1	2	0	0	1	0	1	1	1
Infections with a predominately sexual mode of transmission	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Syphilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
(21) Neurosyphilis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Viral diseases	9	13	29	17	36	26	56	38	95	67	106	89	138	99	130	81	140	64	166	160
(33) Herpesviral (herpes simplex) infections	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
(38) Viral hepatitis	0	0	1	1	0	0	1	1	5	1	1	1	0	0	0	0	0	0	0	0
Human immunodeficiency virus (HIV) disease	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
(39) Human immunodeficiency virus (HIV) disease resulting in infectious and parasitic diseases	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
(42) Human immunodeficiency virus (HIV) disease resulting in other conditions	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
(44) All other and unspecified viral diseases	9	13	28	16	36	26	54	37	89	66	105	88	138	99	130	81	139	64	166	160
Other and unspecified infectious and parasitic diseases and their sequelae	0	0	0	0	0	0	0	0	1	2	1	0	0	3	1	0	1	1	1	1
(45) Mycoses	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0	0	0	1	0
Protozoal diseases	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	1
(49) Pneumocystosis	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	1
(54) Sequelae of poliomyelitis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
(55) All other and unspecified infectious and parasitic diseases and their sequelae	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	1	0	0
II. Neoplasms	5	6	24	18	24	16	72	62	142	107	166	134	210	161	216	132	167	138	196	199
Malignant neoplasms	5	6	23	18	24	16	72	61	140	106	165	129	204	157	210	130	159	135	187	185
Malignant neoplasms of lip, oral cavity and pharynx	0	0	0	0	3	0	3	3	7	1	8	1	5	1	5	2	2	2	1	2
(57) Of tongue	0	0	0	0	1	0	0	2	4	1	4	0	2	1	2	0	0	0	1	1
(58) Of pharynx	0	0	0	0	0	0	2	0	3	0	2	1	0	0	2	1	0	0	0	1
(59) Of other and unspecified sites within the lip, oral cavity and pharynx	0	0	0	0	2	0	1	1	0	0	2	0	3	0	1	1	2	2	0	0
Malignant neoplasms of digestive organs	2	2	9	6	10	3	23	18	48	23	47	30	74	33	46	27	49	25	41	45
(60) Of esophagus	0	0	2	0	3	0	7	2	5	0	8	2	14	2	6	1	6	2	7	3
(61) Of stomach	0	1	1	1	1	0	2	0	2	2	1	2	6	1	4	2	1	1	1	2
(62) Of small intestine	0	0	0	0	0	0	0	0	1	0	0	0	1	3	0	0	1	1	0	0
Of colon, rectum and anus	0	0	4	4	3	3	6	5	12	8	18	13	20	9	13	10	17	10	17	26
(63) Colon	0	0	1	1	1	1	5	5	10	6	14	11	11	5	6	5	13	7	13	17
(64) Rectosigmoid junction and rectum	0	0	3	2	1	2	0	0	2	2	4	2	8	3	7	4	4	3	4	8
(65) Anus and anal canal	0	0	0	1	1	0	1	0	0	0	0	0	1	1	0	1	0	0	0	1
Of liver and intrahepatic bile ducts	0	0	0	0	0	0	2	5	7	5	9	3	9	7	8	3	7	6	3	4

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Table D-1
Frequency of Death by Sex, Age, and 358 Selected Underlying Causes
Montana Residents, 2021

Cause of Death*	Age In Years																			
	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.
(66) Liver	0	0	0	0	0	0	1	2	6	1	8	2	8	2	5	2	5	1	2	3
(67) Intrahepatic bile duct carcinoma	0	0	0	0	0	0	1	3	1	4	1	1	1	5	3	1	2	5	1	1
(68) Of gallbladder and extrahepatic bile ducts	0	0	0	0	0	0	0	0	2	0	0	1	1	2	1	0	1	0	2	0
(69) Of pancreas	2	1	2	1	3	0	6	6	19	8	10	9	23	9	14	11	16	4	10	7
(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	1	1	3
Malignant neoplasms of respiratory and intrathoracic organs	0	0	1	0	1	3	13	9	30	33	39	28	49	38	53	35	25	39	33	31
(71) Of nasal cavity, middle ear and accessory sinuses	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	1	0	1
(72) Of larynx	0	0	0	0	0	0	1	0	3	0	1	0	1	1	2	0	0	1	1	1
(73) Of trachea, bronchus and lung	0	0	1	0	1	3	12	9	26	33	38	28	47	37	51	35	25	37	32	29
(76) Malignant neoplasms of bone and articular cartilage	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1
Melanoma and other malignant neoplasms of skin	1	0	3	0	0	0	0	0	5	0	3	0	4	2	10	1	6	1	5	1
(77) Malignant melanoma of skin	1	0	3	0	0	0	0	0	4	0	2	0	3	1	9	1	5	1	2	1
(78) Other malignant neoplasms of skin	0	0	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	3	0
Malignant neoplasms of mesothelial and soft tissue	0	0	0	1	0	0	0	0	0	1	1	3	0	4	3	2	1	5	3	5
(79) Mesothelioma	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0	0	1	0	1
(81) Of other mesothelial and soft tissue	0	0	0	1	0	0	0	0	0	0	1	3	0	2	3	2	1	4	3	4
(82) Malignant neoplasm of breast	0	1	0	3	0	2	0	11	2	18	0	20	0	23	0	16	2	12	0	33
Malignant neoplasms of female genital organs	0	2	0	3	0	3	0	9	0	9	0	18	0	21	0	20	0	15	0	14
(83) Of vulva and vagina	0	0	0	0	0	0	0	2	0	0	0	0	0	1	0	1	0	1	0	5
(84) Of cervix uteri	0	0	0	2	0	2	0	0	0	0	0	1	0	1	0	2	0	0	0	0
(85) Of corpus uteri and uterus, part unspecified	0	2	0	1	0	1	0	2	0	3	0	6	0	9	0	7	0	6	0	5
(86) Of ovary	0	0	0	0	0	0	0	4	0	6	0	10	0	9	0	8	0	8	0	4
(87) Of other and unspecified female genital organs	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	2	0	0	0	0
Malignant neoplasms of male genital organs	0	0	0	0	0	0	6	0	14	0	14	0	10	0	24	0	21	0	41	0
(89) Of prostate	0	0	0	0	0	0	6	0	13	0	13	0	10	0	24	0	20	0	41	0
(91) Of penis and other and unspecified male genital organs	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	0	0
Malignant neoplasms of urinary tract	1	0	2	2	1	2	6	1	6	0	17	4	7	7	15	2	16	11	14	5
(92) Of kidney and renal pelvis	1	0	2	0	1	2	5	0	5	0	6	2	4	5	6	2	8	6	2	1
(93) Of bladder	0	0	0	2	0	0	1	0	1	0	11	2	2	2	9	0	7	4	12	4
(94) Of other and unspecified sites within the urinary tract	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	1	0	0	0
(95) Malignant neoplasm of eye and adnexa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Malignant neoplasms of meninges, brain and other parts of central nervous system	1	0	3	0	2	0	6	2	6	9	12	11	7	3	4	2	1	1	2	3
(96) Of brain	1	0	3	0	2	0	6	2	6	9	12	10	7	2	4	2	1	1	2	3
(97) Of other parts of central nervous system	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
(98) Malignant neoplasms of thyroid and other endocrine glands	0	0	2	0	0	0	1	1	2	0	0	0	0	1	2	0	0	2	1	0
(99) Other malignant neoplasms of other and unspecified sites	0	0	3	3	3	2	10	4	10	8	14	5	21	15	17	17	19	8	21	27
Malignant neoplasms of lymphoid, hematopoietic and related tissue	0	1	0	0	4	1	4	3	10	4	9	9	26	9	31	6	17	14	24	18
(100) Hodgkin's disease	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	3	0	0	1	0
Of other lymphoid, hematopoietic and related tissue	0	0	0	0	4	0	0	0	2	1	4	3	12	4	12	2	7	6	9	6
(101) Non-Hodgkin's lymphoma	0	0	0	0	4	0	0	0	2	1	4	3	11	4	12	2	7	6	8	6
(102) Of other and unspecified lymphoid, hematopoietic and related tissue	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0
(103) Malignant immunoproliferative diseases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(104) Multiple myeloma and malignant plasma cell neoplasms	0	0	0	0	0	0	1	1	3	3	2	3	3	1	7	0	1	2	4	5

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Table D-1
Frequency of Death by Sex, Age, and 358 Selected Underlying Causes
Montana Residents, 2021

Cause of Death*	Age In Years																			
	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.
Leukemia	0	1	0	0	0	1	2	2	5	0	3	3	11	4	11	1	9	6	10	6
(105) Lymphoid leukemia	0	0	0	0	0	0	0	0	2	0	1	1	1	2	1	0	4	0	2	4
(106) Myeloid leukemia	0	1	0	0	0	1	2	2	2	0	2	2	8	2	8	1	5	3	7	1
(108) Other and unspecified leukemia	0	0	0	0	0	0	0	0	1	0	0	0	2	0	2	0	0	3	1	1
Benign neoplasms	0	0	0	0	0	0	0	0	1	0	0	2	0	1	0	0	1	0	0	3
(112) Of eye, brain and other parts of central nervous system	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	1	0	0	2
(113) Of other and unspecified sites	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
(114) Neoplasms of uncertain or unknown behavior of specified sites	0	0	1	0	0	0	1	1	1	1	2	4	3	6	2	7	3	9	11	
(115) Neoplasm of uncertain or unknown behavior of unspecified sites	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0
III. Diseases of the blood and blood forming organs and certain disorders involving the immune mechanism	1	1	1	0	0	1	1	0	2	1	2	0	1	1	4	3	4	1	5	12
Anemias	0	0	0	0	0	0	0	0	2	1	0	0	1	0	3	2	3	1	2	7
(116) Nutritional anemias	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2
(117) Hemolytic anemias	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2
(118) Aplastic anemias	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(119) Acute posthemorrhagic and other anemias	0	0	0	0	0	0	0	0	1	1	0	0	1	0	3	2	2	1	2	2
(120) Coagulation defects, purpura and other hemorrhagic conditions	0	1	1	0	0	0	1	0	0	0	1	0	0	1	0	1	0	2	3	
(121) Other diseases of blood and blood forming organs	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1
(122) Certain disorders involving the immune mechanism	0	0	0	0	0	1	0	0	0	0	1	0	0	0	1	0	0	0	0	1
IV. Endocrine, nutritional and metabolic diseases	3	3	8	6	14	13	18	16	24	29	39	21	47	33	44	26	39	40	58	94
Endocrine diseases	3	3	4	3	8	9	13	11	19	17	26	13	30	17	26	13	26	20	21	34
(123) Disorders of thyroid gland	0	0	0	1	0	0	0	1	0	1	0	0	1	0	0	0	0	0	1	3
(124) Diabetes mellitus	3	3	4	1	7	9	13	10	19	16	26	13	29	17	26	13	26	20	19	29
(125) Disorders of pituitary gland	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(126) Disorders of adrenal glands	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
(128) Other endocrine diseases	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Nutritional diseases	0	0	3	2	2	3	2	4	4	7	8	7	9	7	12	12	5	14	25	45
Malnutrition	0	0	0	0	0	0	1	0	0	2	1	2	4	4	11	8	4	11	25	43
(130) Other and unspecified malnutrition	0	0	0	0	0	0	1	0	0	2	1	2	4	4	11	8	4	11	25	43
(131) Other nutritional deficiencies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(132) Obesity and other hyperalimentionation	0	0	3	2	2	3	1	4	4	5	7	5	5	3	1	4	1	3	0	1
Metabolic disorders	0	0	1	1	4	1	3	1	1	5	5	1	8	9	6	1	8	6	12	15
(134) Volume depletion, disorders of fluid, electrolyte and acid-base balance	0	0	1	1	0	0	1	0	1	1	0	2	6	2	0	1	2	6	1	
(135) Other metabolic disorders	0	0	0	0	4	1	3	0	1	4	4	1	6	3	4	1	7	4	6	14
V. Mental and behavioral disorders	3	3	5	2	10	7	16	10	16	6	26	8	11	16	24	39	47	79	138	289
(136) Organic dementia	0	0	0	0	0	1	1	0	0	0	7	4	6	12	21	36	44	76	134	281
(137) Other and unspecified organic mental disorders	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1
Mental and behavioral disorders due to psychoactive substance use	3	3	5	2	9	6	15	9	16	6	19	4	5	3	3	0	2	0	2	1
(138) Mental and behavioral disorders due to use of alcohol	2	2	4	2	9	5	13	9	13	6	17	3	5	3	2	0	2	0	2	1
(139) Mental and behavioral disorders due to other psychoactive substance use	1	1	1	0	0	1	2	0	3	0	2	1	0	0	1	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	1	0	1	0	0	
(141) Mood (affective) disorders	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	4	
(142) Neurotic, stress-related and somatoform disorders	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 those in the [NCHS Instruction Manual Part 9](#).

Table D-1
 Frequency of Death by Sex, Age, and 358 Selected Underlying Causes
 Montana Residents, 2021

Cause of Death*	Age In Years																			
	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.
(144) Other and unspecified mental and behavioral disorders	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	1	1	
VI. Diseases of the nervous system	2	1	3	4	8	6	6	3	15	17	23	12	28	41	59	41	71	60	116	202
(145) Meningitis	0	0	0	0	0	0	1	0	2	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	1	1	0	0	0	0	0	1	1	0	0	1	1
(147) Parkinson's disease	0	0	0	0	0	1	0	0	2	0	4	6	7	8	17	5	23	15	24	23
(148) Alzheimer's disease	0	0	0	0	0	0	1	0	0	4	4	1	7	15	19	18	31	28	71	142
(149) Multiple sclerosis	1	0	1	1	1	1	0	1	0	3	1	2	1	3	1	3	1	1	1	2
(150) Epilepsy	0	1	0	0	1	0	0	0	0	0	1	0	0	0	1	0	0	1	0	1
(152) Infantile cerebral palsy	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	1	1	0
(153) All other diseases of nervous system	1	0	2	3	6	4	4	1	10	10	11	3	13	15	20	14	16	14	18	33
IX. Diseases of the circulatory system	16	10	27	13	48	25	103	38	167	74	178	116	244	125	261	139	259	215	464	624
Acute rheumatic fever and chronic rheumatic heart diseases	0	0	0	0	0	0	2	0	0	2	0	2	1	4	1	1	3	1	3	5
Chronic rheumatic heart diseases	0	0	0	0	0	0	2	0	0	2	0	2	1	4	1	1	3	1	3	5
(157) Rheumatic mitral valve diseases	0	0	0	0	0	0	1	0	0	2	0	2	1	2	0	1	1	1	0	2
(158) Rheumatic aortic valve diseases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(159) Disorders of both mitral and aortic valves	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	2	0	0	1
(160) Other chronic rheumatic heart diseases	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	3	1
Hypertensive diseases	1	0	4	2	5	4	6	4	13	6	11	9	16	9	14	19	15	18	39	65
(161) Essential (primary) hypertension	0	0	0	0	1	1	0	0	1	2	6	1	5	3	4	4	3	6	8	15
(162) Hypertensive heart disease	1	0	4	1	2	3	4	3	10	4	4	7	7	4	7	7	7	6	18	33
(163) Hypertensive renal disease and secondary hypertension	0	0	0	1	1	0	1	0	1	0	1	1	3	1	0	7	3	3	7	5
(164) Hypertensive heart and renal disease	0	0	0	0	1	0	1	1	1	0	0	0	1	1	3	1	2	3	6	12
Ischemic heart diseases	12	3	17	3	29	5	69	20	103	42	116	58	158	49	162	51	141	79	222	190
(165) Acute myocardial infarction	3	0	3	1	5	3	7	1	20	3	11	8	24	13	28	10	29	13	40	32
(166) Other acute ischemic heart diseases	0	0	0	0	0	0	0	0	1	1	1	0	0	1	2	1	1	0	2	1
Other forms of chronic ischemic heart disease	9	3	14	2	24	2	62	19	82	38	104	50	134	35	132	40	111	66	180	157
(167) Atherosclerotic cardiovascular disease, so described	8	3	13	2	19	2	51	13	71	29	78	40	90	27	94	24	60	40	73	69
(168) All other forms of chronic ischemic heart disease	1	0	1	0	5	0	11	6	11	9	26	10	44	8	38	16	51	26	107	88
Other heart diseases	1	4	2	5	9	8	18	8	23	14	28	33	42	33	44	37	57	58	138	215
Pulmonary heart disease and diseases of pulmonary circulation	0	0	1	0	2	3	1	1	2	1	2	5	4	3	4	6	3	3	4	16
(169) Pulmonary embolism	0	0	0	0	2	1	1	0	0	0	2	5	3	1	2	1	0	2	2	2
(170) Other pulmonary heart disease and diseases of pulmonary circulation	0	0	1	0	0	2	0	1	2	1	0	0	1	2	2	5	3	1	2	14
Other non-pulmonary forms of heart disease	1	4	1	5	7	5	17	7	21	13	26	28	38	30	40	31	54	55	134	199
(171) Acute and subacute endocarditis	0	0	0	0	0	1	0	0	1	0	0	1	1	1	1	2	1	0	0	1
(172) Diseases of pericardium and acute myocarditis	0	0	0	1	0	1	0	0	0	0	0	0	1	2	1	0	0	0	1	2
Other diseases of endocardium	0	1	1	0	0	0	2	0	1	1	3	4	3	4	7	3	15	8	19	38
(173) Nonrheumatic mitral valve disorders	0	0	0	0	0	0	0	0	0	0	1	1	1	0	2	0	1	1	4	4
(174) Nonrheumatic aortic valve disorders	0	0	1	0	0	0	1	0	1	0	2	2	2	2	3	2	8	4	13	18
(175) All other diseases of endocardium	0	1	0	0	0	0	1	0	0	1	0	1	0	2	2	1	6	3	2	16
(176) Cardiomyopathy	0	0	0	2	2	1	4	2	5	4	5	5	5	1	1	4	5	4	11	6
(177) Conduction disorders and cardiac dysrhythmias	1	0	0	0	2	0	1	1	6	2	8	5	7	9	17	11	12	22	34	60
Heart failure	0	1	0	2	2	0	6	3	5	3	7	9	17	10	13	11	20	18	66	86
(178) Congestive heart failure	0	1	0	2	1	0	3	2	4	1	4	5	11	5	8	10	11	12	47	63
(179) Other and unspecified heart failure	0	0	0	0	1	0	3	1	1	2	3	4	6	5	5	1	9	6	19	23
(180) Myocarditis, unspecified and myocardial degeneration	0	1	0	0	0	0	0	0	0	1	2	0	1	0	0	0	0	0	0	0
(181) All other and ill-defined forms of heart disease	0	1	0	0	1	2	4	1	3	2	1	4	3	3	0	0	1	3	3	6
Cerebrovascular diseases	2	2	3	2	4	6	7	4	19	8	18	10	19	22	31	23	32	49	46	131

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Table D-1
Frequency of Death by Sex, Age, and 358 Selected Underlying Causes
Montana Residents, 2021

Cause of Death*	Age In Years																			
	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.
(182) Subarachnoid hemorrhage	0	0	0	0	0	1	0	0	2	2	1	0	0	2	1	2	1	2	0	0
(183) Intracerebral and other intracranial hemorrhage	1	2	2	1	3	3	2	1	8	2	4	1	6	5	9	3	7	10	6	12
(184) Cerebral infarction	1	0	1	1	1	0	1	0	2	1	4	2	6	2	0	3	4	8	8	19
(185) Stroke, not specified as hemorrhage or infarction	0	0	0	0	0	0	3	2	5	2	5	6	6	10	14	14	15	22	20	73
(186) Other cerebrovascular diseases and their sequelae	0	0	0	0	0	2	1	1	2	1	4	1	3	7	1	5	7	12	12	27
Diseases of arteries, arterioles and capillaries	0	0	1	1	1	1	1	2	9	2	4	3	8	8	8	5	10	10	13	18
(187) Atherosclerosis	0	0	0	0	0	0	0	1	0	0	1	0	4	0	3	1	2	2	1	4
(188) Aortic aneurysm and dissection	0	0	1	0	1	0	1	0	5	1	2	1	0	2	1	2	3	5	6	4
(189) Other diseases of arteries, arterioles and capillaries	0	0	0	1	0	1	0	1	4	1	1	2	4	6	4	2	5	3	6	10
Other disorders of circulatory system	0	1	0	0	0	1	0	0	0	0	1	1	0	0	1	3	1	0	3	0
(190) Phlebitis, thrombophlebitis, venous embolism and thrombosis	0	1	0	0	0	1	0	0	0	0	1	0	0	0	0	2	1	0	2	0
(191) All other and unspecified disorders of circulatory system	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	1	0	
X. Diseases of the respiratory system	5	2	1	3	6	6	13	10	40	33	44	39	60	64	80	69	62	78	138	150
Other diseases of the respiratory system	5	2	1	3	6	6	13	10	40	33	44	39	60	64	80	69	62	78	138	150
(195) Influenza	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0
Pneumonia	4	0	0	0	4	0	1	2	5	2	3	6	7	6	2	5	7	6	16	22
(196) Viral pneumonia, not elsewhere classified	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	2	3
(197) Bacterial pneumonia	1	0	0	0	3	0	1	0	2	1	0	1	0	0	0	0	1	0	1	2
(198) Pneumonia due to other or unspecified organisms	3	0	0	0	1	0	0	2	3	1	2	5	5	6	2	5	6	6	13	17
Other acute lower respiratory infections	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
(200) Other and unspecified acute lower respiratory infection	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
(201) Other diseases of upper respiratory tract	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Chronic lower respiratory diseases	1	2	0	1	0	5	9	6	27	25	28	23	34	48	52	49	39	56	72	91
Bronchitis, chronic and unspecified, emphysema and asthma	1	2	0	1	0	5	9	6	27	25	28	23	34	48	52	49	39	56	72	91
(203) Chronic bronchitis	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	0	0	2	2	7	1	2	6	6	1	3	4	7	8
(205) Other chronic obstructive pulmonary disease	1	1	0	1	0	3	9	6	25	23	21	21	32	42	46	48	36	52	64	80
(206) Asthma	0	1	0	0	0	2	0	0	0	0	0	1	0	0	0	0	0	0	1	2
(207) Bronchiectasis	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	0	0	1	0	1	0	1	1	2	0	4	0	4	0	4	3	9	4	20	12
(208) Pneumoconioses and chemical effects	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	4	0	4	0	1
Pneumonitis due to solids and liquids	0	0	1	0	1	0	1	1	2	0	4	0	3	0	4	3	5	4	16	11
(209) Pneumonitis due to food and vomit	0	0	1	0	1	0	1	1	2	0	4	0	3	0	4	3	5	4	16	11
(212) Suppurative and necrotic conditions of lower respiratory tract	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	2	0
(213) Pleural effusion and plaque	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	1
(214) All other diseases of respiratory system	0	0	0	2	1	1	2	1	6	5	9	10	14	8	20	12	7	11	26	22
XI. Diseases of the digestive system	13	16	26	15	36	18	31	24	49	26	38	22	32	23	31	25	30	24	41	53
(215) Diseases of oral cavity, salivary glands and jaws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2	1	
Diseases of other parts of digestive system	13	16	26	15	36	18	31	24	49	26	38	22	32	23	31	24	30	23	39	52
(216) Diseases of esophagus	0	0	0	0	0	0	0	0	3	0	0	0	1	0	1	1	2	0	0	1
Peptic ulcer	0	0	0	0	2	1	1	0	0	2	1	2	1	1	3	1	2	0	2	4
(217) Gastric ulcer	0	0	0	0	0	0	1	0	0	0	1	0	1	1	0	0	0	1	1	1
(218) Duodenal ulcer	0	0	0	0	2	1	0	0	0	1	1	1	0	0	1	1	1	0	1	3
(219) Peptic ulcer, site unspecified	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	1	0	0	0
(221) Gastritis and duodenitis	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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Table D-1
Frequency of Death by Sex, Age, and 358 Selected Underlying Causes
Montana Residents, 2021

Cause of Death*	Age In Years																			
	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.
(222) Dyspepsia and other diseases of stomach and duodenum	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	1	0	1	2	2
(223) Diseases of appendix	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0
(224) Hernia	0	0	0	0	0	0	1	0	0	0	1	0	0	1	0	0	0	0	0	1
(225) Crohn 's disease and ulcerative colitis	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	1	0
(226) Vascular disorders and obstruction of intestine without hernia	0	1	0	0	0	1	0	2	4	2	4	2	7	2	5	8	3	5	6	14
(227) Diverticular disease of intestine	0	0	1	0	0	0	0	0	0	0	2	1	1	1	3	2	0	0	3	
(228) Other diseases of intestines and peritoneum	0	0	0	0	3	0	3	1	1	1	2	1	0	1	0	0	1	1	1	3
(229) Diseases of peritoneum	0	0	1	0	0	1	0	0	0	0	1	0	0	1	0	0	2	1	1	
Diseases of liver	13	13	23	13	27	13	23	18	35	18	24	11	15	12	12	8	9	7	2	5
(230) Alcoholic liver disease	12	8	20	10	22	9	15	11	24	11	17	7	8	4	6	1	3	0	1	0
(232) Fibrosis and cirrhosis of liver	1	3	1	1	3	2	5	4	7	5	5	1	5	4	4	3	3	5	0	3
(233) Other diseases of liver	0	2	2	2	2	2	3	3	4	2	2	3	2	4	2	4	3	2	1	2
(234) Cholelithiasis and other disorders of gallbladder	0	0	0	0	0	1	0	0	2	1	3	0	1	0	1	0	6	1	5	2
Disorders of biliary tract and pancreas	0	2	0	1	2	0	1	2	1	0	2	2	2	2	1	0	1	4	5	1
(235) Pancreatitis	0	2	0	1	2	0	0	2	1	0	0	1	2	1	0	0	1	1	0	1
(236) Other disorders of biliary tract and pancreas	0	0	0	0	0	0	1	0	0	0	2	1	0	1	1	0	0	3	5	0
(237) All other diseases of digestive system	0	0	0	1	2	0	2	1	2	2	1	0	4	1	6	2	4	1	12	12
XII. Diseases of the skin and subcutaneous tissue	0	0	2	1	0	0	0	2	1	0	3	1	2	0	2	3	3	2	4	4
(238) Infections of skin and subcutaneous tissue	0	0	1	0	0	0	0	1	1	0	2	1	1	0	2	1	2	0	3	1
(239) Other and unspecified diseases of skin and subcutaneous tissue	0	0	1	1	0	0	0	1	0	0	1	0	1	0	0	2	1	2	1	3
XIII. Diseases of the musculoskeletal system and connective tissue	0	1	0	0	0	0	0	2	1	3	6	5	2	6	4	7	4	8	11	17
(240) Rheumatoid arthritis and related inflammatory polyarthropathies	0	0	0	0	0	0	0	0	0	1	1	3	0	1	1	2	1	1	0	3
(241) Systemic lupus erythematosus	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0
(242) Other arthropathies and related disorders	0	1	0	0	0	0	0	0	1	1	2	2	0	1	2	2	1	3	2	7
(243) Dorsopathies	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	3	2
(244) Soft tissue disorders	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	1	3	3
Osteopathies, chondropathies and other disorders of musculoskeletal system and connective tissue	0	0	0	0	0	0	0	2	0	0	2	0	1	2	0	2	1	2	3	2
(245) Osteoporosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	2
(246) Other osteopathies, chondropathies and disorders of musculoskeletal system and connective tissue	0	0	0	0	0	0	0	2	0	0	2	0	1	2	0	1	1	1	3	0
XIV. Diseases of the genitourinary system	1	0	2	4	3	2	6	4	13	9	11	11	16	18	22	17	15	17	44	39
Diseases of urinary system	1	0	2	4	3	2	6	4	13	8	11	11	15	17	18	17	15	17	40	37
Glomerular and renal tubulo-interstitial diseases	0	0	1	2	0	0	0	0	3	1	2	1	1	0	0	3	1	2	0	2
Glomerular diseases	0	0	0	1	0	0	0	0	3	1	0	1	1	0	0	2	0	2	0	2
(247) Acute and rapidly progressive nephritic syndrome	0	0	0	1	0	0	0	0	1	1	0	0	1	0	0	1	0	2	0	2
(248) Nephrotic syndrome	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0
(249) Other and unspecified glomerular diseases	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
(250) Renal tubulo-interstitial diseases	0	0	1	1	0	0	0	0	0	2	0	0	0	0	1	1	0	0	0	0
(251) Renal failure	1	0	1	2	3	2	5	2	9	5	8	9	14	11	10	7	12	11	30	22
(252) Urolithiasis	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	2
(254) Urinary tract infection, site not specified	0	0	0	0	0	0	0	1	1	0	0	1	0	4	6	5	1	4	7	8
(255) Other diseases of urinary system	0	0	0	0	0	0	1	0	0	2	1	0	0	1	2	2	1	0	3	3
Diseases of male genital organs	0	0	0	0	0	0	0	0	0	0	0	0	1	0	4	0	0	0	4	0

* Line numbers shown in parentheses on this table correspond to those in the [NCHS Instruction Manual Part 9](#).

Table D-1
Frequency of Death by Sex, Age, and 358 Selected Underlying Causes
Montana Residents, 2021

Cause of Death*	Age In Years																			
	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.
(256) Hyperplasia of prostate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	3	0
(257) Other diseases of male genital organs	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0
(258) Disorders of breast	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Disorders of female genital organs	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2
(260) Noninflammatory disorders of female genital tract	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2
XV. Pregnancy, childbirth and the puerperium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pregnancy with abortive outcome	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(261) Ectopic pregnancy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other direct obstetric deaths	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(267) Hemorrhage of pregnancy and childbirth and placenta previa	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0
(273) Indirect obstetric deaths	0	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	0	0	0	0	0	0	0	0	1	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
(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
(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
(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
(280) Infections specific to the perinatal period	0	0	0	0	0	0	0	0	1	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
XVII. Congenital malformations, deformations and chromosomal abnormalities	1	2	0	0	0	0	0	0	2	1	2	0	1	2	0	0	0	2	3	2
(284) All other congenital malformations of nervous system	1	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	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1
(286) Other congenital malformations of circulatory system	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
(287) Congenital malformations of respiratory system	0	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	0	1	0	0	0	0	0	0	1	1	1	0	1	1	0	0	0	1	3	0
(289) Down 's syndrome	0	0	0	0	0	0	0	0	1	0	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	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	2	0	2	1	1	0	2	0	0	1	2	3	0	6	0	2	1	2	15	13
(291) Senility	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	4
III-defined and unknown causes of mortality	2	0	2	1	1	0	1	0	0	0	1	0	1	0	0	0	2	1	0	0
(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
(293) Other III-defined and unknown causes of mortality	2	0	2	1	1	0	1	0	0	0	1	0	1	0	0	0	2	1	0	0
(294)All other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	0	0	0	0	0	0	1	0	0	1	2	2	0	5	0	2	1	0	8	9
XX. External causes of mortality	85	19	66	14	57	21	58	31	49	21	60	23	55	14	44	22	45	38	78	91
Accidents (unintentional injuries)	51	12	43	8	37	11	43	19	35	12	37	15	38	12	28	21	29	34	62	85
Transport accidents	22	4	13	2	15	2	21	3	20	3	12	5	14	3	6	0	1	2	5	5
(295) Railway accidents	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Motor vehicle accidents	19	4	12	2	13	1	18	2	19	3	10	5	13	3	6	0	1	2	5	5
(296) Pedestrian involved in collision with motor vehicle	2	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	1

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Table D-1
Frequency of Death by Sex, Age, and 358 Selected Underlying Causes
Montana Residents, 2021

Cause of Death*	Age In Years																			
	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.
(297) Pedalcyclist involved in collision with motor vehicle	0	0	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
(298) Motorcyclist involved in any accident except collision with railway train	4	1	1	0	3	0	4	0	3	0	5	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	0	0	0	0	0	0	0	0	0	0	0	0	1	1
(302) Occupant of car, pickup truck or van involved in collision with other motor vehicle	2	0	0	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
(304) Occupant of motor vehicle involved in noncollision accident	0	0	0	0	0	0	1	0	2	0	1	0	1	0	0	0	0	0	0	1
(305) Occupant of special-use motor vehicle involved in any accident	2	0	2	0	0	0	3	0	2	0	1	1	4	0	0	0	0	0	1	0
(306) Other and unspecified motor vehicle accidents	9	3	7	1	10	0	10	2	10	3	1	4	8	3	5	0	0	2	3	2
(308) Other and unspecified land transport accidents	0	0	0	0	1	0	2	0	0	0	0	1	0	0	0	0	0	0	0	0
(309) Water transport accidents	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
(310) Air and space transport accidents	1	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
(311) Other and unspecified transport accidents and their sequelae	1	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Falls	3	0	6	2	3	1	5	1	1	2	8	5	7	4	10	17	18	26	49	64
(312) Fall on same level	1	0	2	2	2	0	2	1	1	1	2	4	4	3	7	11	7	17	28	33
(313) Fall from one level to another	2	0	2	0	0	0	3	0	0	0	4	1	2	0	2	1	5	0	2	3
(314) Unspecified fall	0	0	2	0	1	1	0	0	0	1	2	0	1	1	1	5	6	9	19	28
(315) Accidental discharge of firearms	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
(316) Accidental explosion	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	1	0	3	0	1	1	2	1	1	0	0	0	4	0	1	1	2	0	0	0
(318) Accidental inhalation and ingestion of food or other objects causing obstruction of respiratory tract	1	0	0	0	0	0	0	0	0	1	2	2	1	1	1	1	2	0	3	5
(319) Other accidental and unspecified threats to breathing	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0
(320) Accidental exposure to electric current	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
(322) Accidental exposure to smoke, fire and flames	0	0	1	1	1	0	2	0	2	0	0	0	2	0	2	0	1	0	1	2
(325) Earthquake, volcanic eruption, avalanche landslide and other earth movements	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Accidental poisoning and exposure to noxious substances	23	8	15	3	13	7	8	11	8	5	2	2	2	2	0	0	2	1	0	0
(327) Accidental poisoning by and exposure to drugs and other biological substances	23	7	15	3	11	6	7	9	6	5	1	2	1	2	0	0	1	1	0	0
(328) Accidental poisoning by and exposure to other and unspecified solid or liquid substances	0	0	0	0	2	1	1	2	2	0	0	0	1	0	0	0	1	0	0	0
(329) Accidental poisoning by and exposure to other gases and vapors	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
(330) All other and unspecified accidents and their sequelae	1	0	2	0	4	0	2	3	3	1	11	1	8	2	8	2	3	5	4	9
Intentional self-harm (suicide)	30	6	20	5	16	7	13	9	10	4	16	5	14	1	12	0	12	0	11	1
(331) Intentional self-poisoning (suicide) by and exposure to drugs and other biological substances	0	3	2	2	2	1	0	1	0	1	0	1	0	0	0	0	0	0	0	1
(332) Intentional self-poisoning (suicide) by and exposure to other and unspecified solid or liquid substances and their vapors	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	2	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0
(334) Intentional self-harm (suicide) by hanging, strangulation and suffocation	7	2	5	1	2	2	1	2	2	0	1	0	2	0	0	0	0	0	0	0

* Line numbers shown in parentheses on this table correspond to those in the [NCHS Instruction Manual Part 9](#).

Table D-1
Frequency of Death by Sex, Age, and 358 Selected Underlying Causes
Montana Residents, 2021

Cause of Death*	Age In Years																			
	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.
(335) Intentional self-harm (suicide) by discharge of firearms	18	1	12	2	10	2	11	6	8	3	13	3	11	1	12	0	12	0	10	0
(336) Intentional self-harm (suicide) by jumping from a high place	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	3	0	0	0	2	2	1	0	0	0	1	0	1	0	0	0	0	0	0	0
Assault (homicide)	3	1	1	1	2	2	1	0	1	1	2	1	0	0	2	0	0	0	0	0
(339) Assault (homicide) by hanging, strangulation and suffocation	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
(340) Assault (homicide) by discharge of firearms	3	0	1	1	2	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0
(341) Assault (homicide) by sharp object	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	0	0	0
(345) Neglect, abandonment and other maltreatment syndromes	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	0	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0
Event of undetermined intent	1	0	2	0	2	1	1	2	1	3	1	0	0	1	0	0	1	0	0	0
(347) Poisoning by and exposure to drugs and biological substances, undetermined intent	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
(349) Poisoning by and exposure to other gases and vapors, undetermined intent	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(350) Discharge of firearms, undetermined intent	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
(352) All other and unspecified events of undetermined intent and their sequelae	1	0	1	0	1	0	1	1	0	3	1	0	0	1	0	0	1	0	0	0
Legal intervention	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(354) Other legal intervention and their sequelae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Complications of medical and surgical care	0	0	0	0	0	0	0	1	2	1	4	2	3	0	2	1	3	4	5	5
(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	1	0	0	2	0	0	0	0	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	1
(358) Other complications of medical and surgical care and their sequelae	0	0	0	0	0	0	0	1	2	1	4	1	3	0	0	1	3	3	5	4

* Line numbers shown in parentheses on this table correspond to those in the [NCHS Instruction Manual Part 9](#).

Table D-2

Frequency of Death by Sex, Race,* and 113 Selected Underlying Causes, Enterocolitis due to Clostridium Difficile,** and COVID-19
Montana Residents, 2021

Cause of Death**	Total***				Male				Female			
	Total	White	AI/AN^	Other	Total	White	AI/AN^	Other	Total	White	AI/AN^	Other
All Causes	12,707	11,506	986	215	7,022	6,385	531	106	5,685	5,121	455	109
(1#) Salmonella infections	1	1	0	0	0	0	0	0	1	1	0	0
(3) Certain other intestinal infections	20	19	1	0	9	9	0	0	11	10	1	0
(#) Tuberculosis	1	1	0	0	0	0	0	0	1	1	0	0
(5) Other tuberculosis	1	1	0	0	0	0	0	0	1	1	0	0
(9#) Septicemia	107	98	9	0	58	56	2	0	49	42	7	0
(10#) Syphilis	1	1	0	0	1	1	0	0	0	0	0	0
(14#) Viral hepatitis	12	9	2	1	8	7	0	1	4	2	2	0
(15#) Human immunodeficiency virus (HIV) disease	3	0	2	1	3	0	2	1	0	0	0	0
(17) Other and unspecified infectious and parasitic diseases and their sequelae	1,617	1,448	135	34	937	865	56	16	680	583	79	18
(#) Malignant neoplasms	2,156	2,000	122	34	1,201	1,116	69	16	955	884	53	18
(18) Malignant neoplasms of lip, oral cavity and pharynx	46	43	1	2	34	32	1	1	12	11	0	1
(19) Malignant neoplasm of esophagus	70	65	3	2	58	53	3	2	12	12	0	0
(20) Malignant neoplasm of stomach	31	24	6	1	19	16	2	1	12	8	4	0
(21) Malignant neoplasms of colon, rectum and anus	201	183	13	5	111	102	6	3	90	81	7	2
(22) Malignant neoplasms of liver and intrahepatic bile ducts	79	71	7	1	45	41	4	0	34	30	3	1
(23) Malignant neoplasm of pancreas	162	155	6	1	105	103	1	1	57	52	5	0
(24) Malignant neoplasm of larynx	12	10	2	0	9	8	1	0	3	2	1	0
(25) Malignant neoplasms of trachea, bronchus and lung	444	416	21	7	233	215	16	2	211	201	5	5
(26) Malignant melanoma of skin	35	34	1	0	30	29	1	0	5	5	0	0
(27) Malignant neoplasm of breast	145	139	3	3	4	4	0	0	141	135	3	3
(28) Malignant neoplasm of cervix uteri	8	6	2	0	0	0	0	0	8	6	2	0
(29) Malignant neoplasms of corpus uteri and uterus, part unspecified	42	40	0	2	0	0	0	0	42	40	0	2
(30) Malignant neoplasm of ovary	50	46	4	0	0	0	0	0	50	46	4	0
(31) Malignant neoplasm of prostate	127	115	8	4	127	115	8	4	0	0	0	0
(32) Malignant neoplasms of kidney and renal pelvis	58	51	7	0	40	36	4	0	18	15	3	0
(33) Malignant neoplasm of bladder	57	55	2	0	43	43	0	0	14	12	2	0
(34) Malignant neoplasms of meninges, brain and other parts of central nervous system	77	75	2	0	46	44	2	0	31	31	0	0
Malignant neoplasms of lymphoid, hematopoietic and related tissue	194	177	15	2	129	117	11	1	65	60	4	1
(35) Hodgkin's disease	7	7	0	0	4	4	0	0	3	3	0	0
(36) Non-Hodgkin's lymphoma	71	66	4	1	49	45	3	1	22	21	1	0
(37) Leukemia	77	69	7	1	53	47	6	0	24	22	1	1
(38) Multiple myeloma and immunoproliferative neoplasms	37	33	4	0	21	19	2	0	16	14	2	0
(39) Other and unspecified malignant neoplasms of lymphoid hematopoietic and related tissue	2	2	0	0	2	2	0	0	0	0	0	0
(40) All other and unspecified malignant neoplasms	318	295	19	4	168	158	9	1	150	137	10	3
(41#) In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior	63	59	2	2	33	32	1	0	30	27	1	2
(42#) Anemias	23	20	3	0	12	10	2	0	11	10	1	0
(43#) Diabetes mellitus	314	252	54	8	180	144	32	4	134	108	22	4
(#) Nutritional deficiencies	118	113	4	1	46	43	2	1	72	70	2	0
(44) Malnutrition	117	112	4	1	46	43	2	1	71	69	2	0
(45) Other nutritional deficiencies	1	1	0	0	0	0	0	0	1	1	0	0
(46#) Meningitis	4	4	0	0	3	3	0	0	1	1	0	0
(47#) Parkinson's disease	135	132	2	1	77	76	1	0	58	56	1	1
(48#) Alzheimer's disease	341	331	6	4	133	131	0	2	208	200	6	2
Major cardiovascular diseases	3,174	2,962	169	43	1,787	1,672	92	23	1,387	1,290	77	20
(#) Diseases of heart	2,531	2,359	136	36	1,504	1,405	79	20	1,027	954	57	16

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

** Line numbers shown in parentheses on this table correspond to those in the [NCHS Instruction Manual Part 9](#). Those marked with a "#" sign are rankable as leading causes.

^ American Indian or Alaska Native

Table D-2

Frequency of Death by Sex, Race,* and 113 Selected Underlying Causes, Enterocolitis due to Clostridium Difficile,** and COVID-19
Montana Residents, 2021

Cause of Death**	Total***				Male				Female			
	Total	White	AI/AN^	Other	Total	White	AI/AN^	Other	Total	White	AI/AN^	Other
(49) Acute rheumatic fever and chronic rheumatic heart diseases	25	25	0	0	10	10	0	0	15	15	0	0
(50) Hypertensive heart disease	136	118	15	3	66	60	6	0	70	58	9	3
(51) Hypertensive heart and renal disease	33	32	1	0	15	15	0	0	18	17	1	0
Ischemic heart diseases	1,541	1,434	89	18	1,038	968	57	13	503	466	32	5
(52) Acute myocardial infarction	258	237	17	4	173	155	15	3	85	82	2	1
(53) Other acute ischemic heart diseases	11	11	0	0	7	7	0	0	4	4	0	0
Other forms of chronic ischemic heart disease	1,272	1,186	72	14	858	806	42	10	414	380	30	4
(54) Atherosclerotic cardiovascular disease, so described	814	752	49	13	563	524	30	9	251	228	19	4
(55) All other forms of chronic ischemic heart disease	458	434	23	1	295	282	12	1	163	152	11	0
Other heart diseases	796	750	31	15	375	352	16	7	421	398	15	8
(56) Acute and subacute endocarditis	11	8	3	0	4	3	1	0	7	5	2	0
(57) Diseases of pericardium and acute myocarditis	11	10	0	1	5	5	0	0	6	5	0	1
(58) Heart failure	282	270	8	4	139	130	6	3	143	140	2	1
(59) All other forms of heart disease	492	462	20	10	227	214	9	4	265	248	11	6
(60#) Essential hypertension and hypertensive renal disease	96	88	7	1	45	41	3	1	51	47	4	0
(61#) Cerebrovascular diseases	440	410	25	5	182	170	10	2	258	240	15	3
(62#) Atherosclerosis	19	19	0	0	11	11	0	0	8	8	0	0
Other diseases of circulatory system	88	86	1	1	45	45	0	0	43	41	1	1
(63#) Aortic aneurysm and dissection	36	36	0	0	21	21	0	0	15	15	0	0
(64) Other diseases of arteries, arterioles and capillaries	52	50	1	1	24	24	0	0	28	26	1	1
(65) Other disorders of circulatory system	13	12	1	0	6	6	0	0	7	6	1	0
(#) Influenza and pneumonia	106	87	15	4	53	43	9	1	53	44	6	3
(66) Influenza	3	1	2	0	0	0	0	0	3	1	2	0
(67) Pneumonia	103	86	13	4	53	43	9	1	50	43	4	3
Other acute lower respiratory infections	1	1	0	0	0	0	0	0	1	1	0	0
(69) Other and unspecified acute lower respiratory infection	1	1	0	0	0	0	0	0	1	1	0	0
(#) Chronic lower respiratory diseases	570	537	25	8	264	251	9	4	306	286	16	4
(70) Bronchitis, chronic and unspecified	1	1	0	0	0	0	0	0	1	1	0	0
(71) Emphysema	49	44	3	2	27	25	1	1	22	19	2	1
(72) Asthma	8	7	1	0	2	2	0	0	6	5	1	0
(73) Other chronic lower respiratory diseases	512	485	21	6	235	224	8	3	277	261	13	3
(74#) Pneumoconioses and chemical effects	10	10	0	0	9	9	0	0	1	1	0	0
(75#) Pneumonitis due to solids and liquids	58	53	4	1	39	35	3	1	19	18	1	0
(76) Other diseases of respiratory system	171	156	13	2	95	88	6	1	76	68	7	1
(77#) Peptic ulcer	24	21	2	1	13	11	2	0	11	10	0	1
(78#) Diseases of appendix	3	3	0	0	2	2	0	0	1	1	0	0
(79#) Hernia	6	6	0	0	3	3	0	0	3	3	0	0
(#) Chronic liver disease and cirrhosis	308	200	106	2	189	133	56	0	119	67	50	2
(80) Alcoholic liver disease	237	146	90	1	151	102	49	0	86	44	41	1
(81) Other chronic liver disease and cirrhosis	71	54	16	1	38	31	7	0	33	23	9	1
(82#) Cholelithiasis and other disorders of gallbladder	24	22	2	0	18	17	1	0	6	5	1	0
(#) Nephritis, nephrotic syndrome and nephrosis	179	154	25	0	99	85	14	0	80	69	11	0
(83) Acute and rapidly progressive nephritic and nephrotic syndrome	11	10	1	0	2	2	0	0	9	8	1	0
(84) Chronic glomerulonephritis, nephritis and nephropathy not specified as acute or chronic, and renal sclerosis unspecified	2	2	0	0	2	2	0	0	0	0	0	0
(85) Renal failure	166	142	24	0	95	81	14	0	71	61	10	0

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

** Line numbers shown in parentheses on this table correspond to those in the [NCHS Instruction Manual Part 9](#). Those marked with a "#" sign are rankable as leading causes.

^ American Indian or Alaska Native

Table D-2

Frequency of Death by Sex, Race,* and 113 Selected Underlying Causes, Enterocolitis due to Clostridium Difficile,** and COVID-19
Montana Residents, 2021

Cause of Death**	Total***				Male				Female			
	Total	White	AI/AN^	Other	Total	White	AI/AN^	Other	Total	White	AI/AN^	Other
(87#) Infections of kidney	3	2	1	0	2	2	0	0	1	0	1	0
(88#) Hyperplasia of prostate	6	6	0	0	6	6	0	0	0	0	0	0
(#) Pregnancy, childbirth and the puerperium	7	4	2	1	0	0	0	0	7	4	2	1
(90) Pregnancy with abortive outcome	1	1	0	0	0	0	0	0	1	1	0	0
(91) Other complications of pregnancy childbirth and the puerperium	6	3	2	1	0	0	0	0	6	3	2	1
(92#) Certain conditions originating in the perinatal period	19	18	0	1	12	12	0	0	7	6	0	1
(93#) Congenital malformations deformations and chromosomal abnormalities	34	30	3	1	19	16	2	1	15	14	1	0
(94) Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	78	65	8	5	39	32	5	2	39	33	3	3
(95) All other diseases (Residual)	1,665	1,542	102	21	744	680	55	9	921	862	47	12
(#) Accidents (unintentional injuries)	874	744	108	22	567	489	66	12	307	255	42	10
Transport accidents	292	239	42	11	214	182	27	5	78	57	15	6
(96) Motor vehicle accidents	269	223	36	10	198	170	23	5	71	53	13	5
(97) Other land transport accidents	7	3	4	0	6	3	3	0	1	0	1	0
(98) Water, air and space, and other and unspecified transport accidents and their sequelae	16	13	2	1	10	9	1	0	6	4	1	1
Nontransport accidents	582	505	66	11	353	307	39	7	229	198	27	4
(99) Falls	234	223	10	1	112	106	6	0	122	117	4	1
(100) Accidental discharge of firearms	5	4	1	0	5	4	1	0	0	0	0	0
(101) Accidental drowning and submersion	22	20	2	0	19	17	2	0	3	3	0	0
(102) Accidental exposure to smoke, fire and flames	17	14	2	1	13	11	1	1	4	3	1	0
(103) Accidental poisoning and exposure to noxious substances	193	148	37	8	132	108	19	5	61	40	18	3
(104) Other and unspecified nontransport accidents and their sequelae	111	96	14	1	72	61	10	1	39	35	4	0
(#) Intentional self-harm (suicide)	351	305	35	11	284	250	28	6	67	55	7	5
(105) Intentional self-harm (suicide) by discharge of firearms	239	220	16	3	208	191	15	2	31	29	1	1
(106) Intentional self-harm (suicide) by other and unspecified means and their sequelae	112	85	19	8	76	59	13	4	36	26	6	4
(#) Assault (homicide)	45	31	8	6	33	20	8	5	12	11	0	1
(107) Assault (homicide) by discharge of firearms	30	18	8	4	25	14	8	3	5	4	0	1
(108) Assault (homicide) by other and unspecified means and their sequelae	15	13	0	2	8	6	0	2	7	7	0	0
(109#) Legal intervention	2	1	1	0	2	1	1	0	0	0	0	0
Events of undetermined intent	27	15	12	0	17	12	5	0	10	3	7	0
(110) Discharge of firearms, undetermined intent	4	2	2	0	4	2	2	0	0	0	0	0
(111) Other and unspecified events of undetermined intent and their sequelae	23	13	10	0	13	10	3	0	10	3	7	0
(113#) Complications of medical and surgical care	33	31	2	0	19	17	2	0	14	14	0	0
(#) Enterocolitis due to Clostridium difficile	9	8	1	0	6	6	0	0	3	2	1	0
(#) COVID-19	1,576	1,412	130	34	915	847	52	16	661	565	78	18

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

** Line numbers shown in parentheses on this table correspond to those in the [NCHS Instruction Manual Part 9](#). Those marked with a "#" sign are rankable as leading causes.

^ American Indian or Alaska Native

Table D-3
Frequency and Rate of Death from Selected Underlying Causes by Year
Montana Residents, 1953-2021

Year of Death	Alcoholism		Cancer		Diabetes		Heart Disease		Homicide		Motor Vehicle Accidents		Nephritis		Non-Motor Vehicle Accidents		Pneumonia		Suicide	
	Num.	Rate*	Num.	Rate*	Num.	Rate*	Num.	Rate*	Num.	Rate*	Num.	Rate*	Num.	Rate*	Num.	Rate*	Num.	Rate*	Num.	Rate*
	2021	117	10.5	2,156	195.2	314	28.4	2,531	229.2	45	4.0	269	24.3	179	16.2	605	54.7	103	9.3	351
2020	102	9.3	2,138	196.8	342	31.4	2,423	223.0	65	5.9	205	18.8	157	14.4	522	48.0	90	8.2	300	27.6
2019	98	9.1	2,099	196.1	282	26.3	2,283	213.3	39	3.6	193	18.0	139	12.9	463	43.2	123	11.4	288	26.9
2018	62	5.8	2,038	192.1	266	25.0	2,349	221.4	41	3.8	177	16.6	151	14.2	423	39.8	109	10.2	262	24.7
2017	92	8.7	2,142	203.4	290	27.5	2,162	205.3	42	3.9	180	17.0	128	12.1	398	37.7	132	12.5	312	29.6
2016	73	7.0	2,032	195.2	311	29.8	2,134	205.0	41	3.9	198	19.0	154	14.7	424	40.7	122	11.7	267	25.6
2015	56	5.4	2,130	206.6	321	31.1	2,103	204.0	38	3.6	219	21.2	120	11.6	415	40.2	151	14.6	270	26.2
2014	66	6.4	2,054	200.9	250	24.4	1,942	190.0	29	2.8	197	19.2	125	12.2	375	36.6	168	16.4	249	24.3
2013	68	6.7	1,983	195.6	252	24.8	1,975	194.8	32	3.1	220	21.7	131	12.9	375	36.9	172	16.9	238	23.4
2012	54	5.3	1,927	191.9	231	23.0	1,876	186.8	25	2.4	195	19.4	99	9.8	356	35.4	143	14.2	226	22.5
2011	46	4.6	1,992	199.7	246	24.6	1,906	191.1	23	2.3	193	19.3	96	9.6	386	38.7	150	15.0	224	22.4
2010	44	4.4	1,912	192.9	226	22.8	1,842	185.9	29	2.9	192	19.3	134	13.5	353	35.6	168	16.9	227	22.9
2009	49	4.9	1,909	194.0	228	23.1	1,825	185.4	33	3.3	222	22.5	129	13.1	388	39.4	158	16.0	218	22.1
2008	49	5.0	1,854	189.8	254	26.0	1,968	201.5	39	3.9	216	22.1	153	15.6	373	38.2	165	16.8	203	20.7
2007	36	3.7	1,906	197.5	258	26.7	1,860	192.8	23	2.3	267	27.6	109	11.2	336	34.8	175	18.1	192	19.9
2006	63	6.6	1,940	203.6	251	26.3	1,857	194.9	35	3.6	261	27.3	132	13.8	284	29.8	164	17.2	188	19.7
2005	39	4.1	1,947	207.1	283	30.1	1,842	195.9	32	3.4	233	24.7	109	11.5	284	30.2	186	19.7	205	21.8
2004	32	3.4	1,858	199.7	236	25.3	1,834	197.2	25	2.6	235	25.2	107	11.5	292	31.3	161	17.3	173	18.6
2003	39	4.2	1,838	199.8	263	28.5	1,974	214.6	37	4.0	254	27.6	101	10.9	257	27.9	238	25.8	179	19.4
2002	30	3.2	1,902	208.6	212	23.2	1,931	211.8	23	2.5	250	27.4	104	11.4	273	29.9	247	27.0	182	19.9
2001	35	3.8	1,952	215.2	229	25.2	1,962	216.3	31	3.4	209	23.0	127	14.0	259	28.5	191	21.0	174	19.1
2000	29	3.2	1,861	205.9	226	25.0	1,988	219.9	35	3.8	228	25.2	115	12.7	256	28.3	192	21.2	157	17.3
1999	22	2.4	1,845	205.5	243	27.0	2,034	226.6	32	3.5	191	21.2	93	10.3	270	30.0	213	23.7	161	17.9
1998	34	3.8	1,816	203.4	196	21.9	2,001	224.2	26	2.9	219	24.5	90	10.0	244	27.3	311	34.8	156	17.4
1997	18	±	1,779	199.9	169	18.9	2,097	235.6	37	4.1	230	25.8	98	11.0	213	23.9	299	33.6	179	20.1
1996	23	2.5	1,762	198.8	187	21.0	2,131	240.4	37	4.1	191	21.5	81	9.1	205	23.1	238	26.8	174	19.6
1995	21	2.3	1,765	201.3	210	23.9	2,003	228.5	45	5.1	191	21.7	56	6.3	183	20.8	313	35.7	197	22.4
1994	31	3.5	1,740	202.0	215	24.9	1,907	221.4	34	3.9	192	22.2	76	8.8	199	23.1	276	32.0	159	18.4
1993	26	3.0	1,738	205.7	191	22.6	2,110	249.7	39	4.6	182	21.5	59	6.9	193	22.8	249	29.4	154	18.2
1992	29	3.5	1,710	207.0	164	19.8	1,904	230.5	35	4.2	182	22.0	56	6.7	217	26.2	259	31.3	151	18.2
1991	19	±	1,656	204.5	181	22.3	1,944	240.0	36	4.4	183	22.6	51	6.2	201	24.8	245	30.2	167	20.6
1990	21	2.6	1,630	203.6	154	19.2	1,947	243.3	35	4.3	210	26.2	48	5.9	188	23.4	213	26.6	167	20.8
1989	16	±	1,593	197.7	170	21.1	2,019	250.6	32	3.9	171	21.2	47	5.8	189	23.4	224	27.8	159	19.7
1988	22	2.7	1,561	193.9	154	19.1	2,057	255.5	35	4.3	200	24.8	60	7.4	168	20.8	219	27.2	153	19.0
1987	22	2.7	1,516	187.3	116	14.3	2,109	260.6	39	4.8	223	27.5	60	7.4	193	23.8	192	23.7	159	19.6
1986	27	3.2	1,475	180.0	109	13.3	2,196	268.1	41	5.0	228	27.8	40	4.8	175	21.3	205	25.0	181	22.1
1985	20	2.4	1,445	174.9	123	14.8	2,201	266.4	49	5.9	210	25.4	58	7.0	207	25.0	211	25.5	144	17.4
1984	18	±	1,467	178.0	113	13.7	2,270	275.4	37	4.4	233	28.2	57	6.9	207	25.1	204	24.7	137	16.6
1983	16	±	1,350	165.2	103	12.6	2,241	274.2	33	4.0	267	32.6	62	7.5	249	30.4	219	26.8	143	17.5
1982	30	3.7	1,384	172.7	115	14.3	2,236	279.1	36	4.4	236	29.4	57	7.1	235	29.3	196	24.4	126	15.7
1981	32	4.0	1,343	169.3	95	11.9	2,279	287.3	47	5.9	308	38.8	70	8.8	245	30.8	171	21.5	137	17.2
1980	25	3.1	1,291	164.1	103	13.0	2,332	296.4	40	5.0	311	39.5	43	5.4	259	32.9	169	21.4	116	14.7
1979	22	2.7	1,240	157.7	94	11.9	2,302	292.8	39	4.9	313	39.8	46	5.8	283	36.0	143	18.1	123	15.6
1978	23	2.9	1,233	157.0	114	14.5	2,169	276.3	40	5.0	276	35.1	20	2.5	282	35.9	199	25.3	122	15.5
1977	25	3.2	1,184	155.5	89	11.6	2,149	282.3	53	6.9	302	39.6	24	3.1	272	35.7	144	18.9	143	18.7
1976	23	3.0	1,191	158.1	100	13.2	2,178	289.2	38	5.0	291	38.6	17	±	288	38.2	207	27.4	129	17.1
1975	28	3.7	1,105	147.7	122	16.3	2,178	291.1	42	5.6	282	37.7	19	±	302	40.3	185	24.7	112	14.9
1974	14	±	1,130	153.7	103	14.0	2,202	299.5	44	5.9	272	37.0	20	2.7	287	39.0	192	26.1	122	16.5
1973	20	2.7	1,061	147.1	126	17.4	2,300	319.0	46	6.3	324	44.9	27	3.7	287	39.8	236	32.7	108	14.9
1972	17	±	1,122	156.0	135	18.7	2,294	319.0	32	4.4	360	50.0	17	±	275	38.2	220	30.5	87	12.1
1971	19	±	1,051	148.0	120	16.9	2,339	329.4	43	6.0	310	43.6	19	±	299	42.1	210	29.5	117	16.4
1970	25	3.6	1,059	152.5	111	15.9	2,229	320.9	30	4.3	290	41.7	26	3.7	281	40.4	213	30.6	79	11.3
1969	10	±	1,041	150.0	117	16.8	2,297	330.9	31	4.4	329	47.4	21	3.0	306	44.0	201	28.9	91	13.1
1968	29	4.1	1,080	155.8	119	17.1	2,223	320.7	25	3.6	262	37.8	20	2.8	273	39.3	213	30.7	97	13.9
1967	12	±	1,001	142.7	143	20.3	2,297	327.6	31	4.4	318	45.3	38	5.4	289	41.2	196	27.9	100	14.2
1966	24	3.4	969	138.0	106	15.0	2,415	344.0	23	3.2	265	37.7	42	5.9	295	42.0	230	32.7	96	13.6
1965	14	±	933	132.1	114	16.1	2,297	325.3	20	2.8	268	37.9	35	4.9	323	45.7	198	28.0	94	13.3
1964	13	±	986	139.8	139	19.7	2,368	335.8	30	4.2	250	35.4	45	6.3	398	56.4	226	32.0	80	11.3
1963	12	±	896	126.7	125	17.6	2,340	330.9	22	3.1	218	30.8	42	5.9	299	42.2	218	30.8	115	16.2

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.

* 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-3
Frequency and Rate of Death from Selected Underlying Causes by Year
Montana Residents, 1953-2021

Year of Death	Alcoholism		Cancer		Diabetes		Heart Disease		Homicide		Motor Vehicle Accidents		Nephritis		Non-Motor Vehicle Accidents		Pneumonia		Suicide	
	Num.	Rate*	Num.	Rate*	Num.	Rate*	Num.	Rate*	Num.	Rate*	Num.	Rate*	Num.	Rate*	Num.	Rate*	Num.	Rate*	Num.	Rate*
1962	19	‡	911	128.4	121	17.0	2,204	310.8	21	2.9	232	32.7	63	8.8	318	44.8	195	27.5	110	15.5
1961	18	‡	965	141.4	117	17.1	2,269	332.6	21	3.0	270	39.5	41	6.0	248	36.3	219	32.1	96	14.0
1960	13	‡	958	141.9	102	15.1	2,332	345.6	25	3.7	226	33.4	51	7.5	284	42.0	227	33.6	107	15.8
1959	15	‡	920	137.5	123	18.3	2,382	356.0	29	4.3	258	38.5	58	8.6	307	45.8	231	34.5	97	14.4
1958	18	‡	859	128.9	109	16.3	2,244	336.9	17	‡	206	30.9	53	7.9	291	43.6	260	39.0	101	15.1
1957	20	2.9	877	131.4	118	17.6	2,290	343.3	23	3.4	219	32.8	71	10.6	322	48.2	249	37.3	105	15.7
1956	22	3.3	932	142.0	98	14.9	2,165	330.0	32	4.8	265	40.3	83	12.6	309	47.1	211	32.1	98	14.9
1955	28	4.4	829	130.3	108	16.9	2,116	332.7	21	3.3	239	37.5	94	14.7	310	48.7	155	24.3	79	12.4
1954	19	‡	868	139.1	95	15.2	2,128	341.0	29	4.6	219	35.0	90	14.4	312	50.0	179	28.6	104	16.6
1953	17	‡	809	131.3	73	11.8	2,164	351.2	23	3.7	228	37.0	77	12.5	306	49.6	180	29.2	106	17.2

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.

* 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 of Death from Selected Cancers by Sex of Decedent and Year of Death
Montana Residents, 1960-2021

Year of Death	All Cancers		Prostate		Breast		Trachea, Lung & Bronchus		Colon, Rectum & Anus		Bladder		Uterus	Hodgkin's & Non-Hodgkin's Lymphoma		Ovary	Pancreas		Cervix		Other Cancers	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Female	Male	Female	Female	Male	Female	Female	Male	Female	Male
2021	1,201	955	127	4	141	233	211	111	90	43	14	42		53	25	50	105	57	8	525	317	
2020	1,173	965	144	2	136	221	210	93	72	52	15	41		44	25	37	77	68	10	540	351	
2019	1,123	976	138	2	156	218	192	99	83	39	22	35		36	27	50	85	79	9	506	323	
2018	1,109	929	124	0	126	238	233	94	71	36	12	24		40	33	48	68	72	7	509	303	
2017	1,167	975	160	2	130	221	245	99	78	57	14	31		54	34	45	77	76	11	497	311	
2016	1,107	925	143	2	137	232	245	106	81	35	12	29		54	29	52	89	58	10	446	272	
2015	1,146	984	119	1	146	271	268	104	88	59	13	34		34	29	50	78	75	10	480	271	
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	943	110	2	150	287	240	100	84	28	11	31		38	29	64	45	44	9	349	281	
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	

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.

Table D-4
Frequency of Death from Selected Cancers by Sex of Decedent and Year of Death
Montana Residents, 1960-2021

Year of Death	All Cancers		Prostate		Breast			Trachea, Lung & Bronchus		Colon, Rectum & Anus		Bladder		Uterus	Hodgkin's & Non-Hodgkin's Lymphoma		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	Male	Female	
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			
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			

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.

Table D-5
Frequency of Infant Deaths by Age and up to 130 Selected Underlying Causes
Montana Residents, 2021

Cause of Death	Total	0 to 7 Days	8 to 27 Days	28 Days to One Year
All Causes	55	24	5	26
Certain infectious and parasitic diseases	4	1	1	2
(1) Certain intestinal infectious diseases	1	0	1	0
(2#) Diarrhea and gastroenteritis of infectious origin	2	0	0	2
(16) Other and unspecified viral diseases	1	1	0	0
Endocrine, nutritional and metabolic diseases	1	0	1	0
(29#) Nutritional deficiencies	1	0	1	0
(#) Diseases of the circulatory system	3	0	0	3
(39) Pulmonary heart disease and diseases of pulmonary circulation	1	0	0	1
(41) Cardiomyopathy	1	0	0	1
(44) All other diseases of circulatory system	1	0	0	1
Diseases of the respiratory system	2	0	0	2
(#) Influenza and pneumonia	1	0	0	1
(47) Pneumonia	1	0	0	1
(52) Other and unspecified diseases of respiratory system	1	0	0	1
Diseases of the digestive system	1	1	0	0
(55) All other and unspecified diseases of digestive system	1	1	0	0
Certain conditions originating in the perinatal period	18	15	2	1
Newborn affected by maternal factors and by complications of pregnancy, labor and delivery	9	9	0	0
# Newborn affected by maternal complications of pregnancy	6	6	0	0
(60) Newborn affected by incompetent cervix	3	3	0	0
(61) Newborn affected by premature rupture of membranes	3	3	0	0
(#) Newborn affected by complications of placenta, cord and membranes	2	2	0	0
(64) Newborn affected by complications involving placenta	1	1	0	0
(66) Newborn affected by chorioamnionitis	1	1	0	0
(68#) Newborn affected by other complications of labor and delivery	1	1	0	0
Disorders related to length of gestation and fetal malnutrition	1	1	0	0
(#) Disorders related to short gestation and low birth weight, not elsewhere classified	1	1	0	0
(71) Extremely low birth weight or extreme immaturity	1	1	0	0
(77#) Respiratory distress of newborn	1	1	0	0
Other respiratory conditions originating in the perinatal period	2	1	0	1
(82#) Chronic respiratory disease originating in the perinatal period	1	0	0	1
(83#) Atelectasis	1	1	0	0
Infections specific to the perinatal period	1	0	1	0
(85#) Bacterial sepsis of newborn	1	0	1	0
Hemorrhagic and hematological disorders of newborn	1	1	0	0
(88#) Neonatal hemorrhage	1	1	0	0
(93#) Necrotizing enterocolitis of newborn	1	0	1	0
(95) Other perinatal conditions	2	2	0	0
(#) Congenital malformations, deformations and chromosomal abnormalities	9	7	0	2
(99) Other congenital malformations of nervous system	1	0	0	1
(100) Congenital malformations of heart	2	1	0	1
(102) Congenital malformations of respiratory system	1	1	0	0
(104) Congenital malformations of genitourinary system	2	2	0	0
(105) Congenital malformations and deformations of musculoskeletal system, limbs and integument	2	2	0	0
(108) Patau's syndrome	1	1	0	0
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	15	0	1	14
(111#) Sudden infant death syndrome	3	0	0	3
(112) Other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	12	0	1	11
External causes of mortality	3	1	0	2
(#) Accidents (unintentional injuries)	1	0	0	1
(119) Accidental suffocation and strangulation in bed	1	0	0	1
(#) Assault (homicide)	1	0	0	1
(128) Assault (homicide) by other and unspecified means	1	0	0	1

Line numbers shown in parentheses on this table correspond to those in the [NCHS Instruction Manual Part 9](#). Those marked with a "#" sign are rankable as leading causes.

Table D-6
 Frequency of Infant Deaths by Age in Days
 and Five-Year Infant Mortality Rate
 Montana Residents, 1997-2021

Year	Births	0-7 Days	8-27 Days	28 Days - 1 Year	Infant Deaths	Infant Death Rate*
2017-2021	56,420	128	25	124	284	5.0
2012-2016	61,688	169	37	145	353	5.7
2007-2011	61,409	171	49	150	375	6.1
2002-2006	58,015	162	41	157	361	6.2
1997-2001	54,298	171	33	155	363	6.7

* Rate per 1,000 live births

Table D-7
Frequency of Maternal and Late Maternal Deaths* by Year
Montana Residents, 2011-2021

Cause of Death	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011
Total, All Maternal and Late Maternal Causes (A34, O00-O99)	7	5	4	3	4	1	1	4	6	2	7
Maternal causes (A34, O00-O95, O98-O99)	6	3	2	2	2	1	0	3	4	0	5
Pregnancy with abortive outcome (O00-O07)	1	0	0	0	0	0	0	0	0	0	0
Ectopic pregnancy (O00)	1	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)	1	2	1	2	1	0	0	3	3	0	1
Eclampsia and pre-eclampsia (O11, O13-O16)	0	0	0	2	0	0	0	0	1	0	1
Hemorrhage of pregnancy and childbirth and placenta previa (O20, O44-O46, O67, O72)	1	0	0	0	0	0	0	0	0	0	0
Complications predominately related to the puerperium (A34, O85-O92)	0	1	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	1	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)	0	1	1	0	1	0	0	3	2	0	0
Obstetric death of unspecified cause (O95)	0	0	0	0	0	0	0	0	1	0	1
Indirect obstetric causes (O98-O99)	4	1	1	0	1	1	0	0	0	0	3
Maternal causes more than 42 days after delivery or termination of pregnancy (O96-O97)	1	2	2	1	2	0	1	1	2	2	2
Death from any obstetric cause occurring more than 42 days but less than one year after delivery (O96)	1	2	2	1	2	0	1	1	2	2	2
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-8
Age at Death and Years of Potential Life Lost Before Age 75
by Cause of Death, Central Tendency and Dispersion*
Montana Residents, 2017-2021

Cause of Death	Decedents Younger than 75 Years of Age					Decedents of All Ages							
	Average YPLL			Number of Decedents Younger than 25	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	16.5	15.3	23.8	24,568	406,247	0	73.6	77	78	61	112	17.7	55,331
HIV Infection	22.5	14.1	31.4	17	382	27	52.5	52	61.5	41	74	14.3	17
Cancer	11.3	11.1	13.6	5,643	63,694	1	72.8	73	74	68	106	12.5	10,573
Diabetes	13.7	12.6	17.8	773	10,595	22	72.3	74	76	63	100	14.4	1,494
Alzheimer's Disease	5.9	5.9	1.5	114	673	51	86.2	87	87	85	105	7.6	1,608
Heart Disease	11.9	11.4	16.3	4,447	53,093	0	77.7	80	80	67	112	13.9	11,748
Cerebrovascular Disease	12.2	11.5	18.0	596	7,274	0	80.0	83	83	73	111	13.2	2,212
Atherosclerosis	9.3	8.8	17.0	50	465	37	75.6	75	75	64	102	12.0	102
Influenza & Pneumonia	14.1	11.9	22.4	237	3,349	0	78.7	82	84	66	103	15.8	717
Chronic Lower Respiratory Diseases	9.0	9.0	10.2	1,326	11,985	17	77.1	78	78	74	109	10.9	3,433
Chronic Liver Disease & Cirrhosis	20.8	17.8	26.5	972	20,177	22	56.7	57	61	48	94	13.6	1,073
Nephritis, Nephrotic Syndrome & Nephrosis	10.4	9.2	14.7	292	3,051	0	77.6	79	80	69	104	13.0	754
Congenital Malformations & Chromosomal Anomalies	45.8	42.6	64.1	160	7,330	0	36.9	40	53	3	100	32.8	185
Conditions Originating in Perinatal Period	73.7	73.1	75.0	105	7,736	0	1.3	0	0	0	62	8.6	105
Sudden Infant Death Syndrome	75.0	75.0	75.0	8	600	0	0.0	0	0	0	0	0.0	8
COVID-19	12.3	11.8	14.0	1,282	15,825	0	74.2	75	77	68	103	13.9	2,694
Motor Vehicle Accidents	35.5	33.8	42.2	930	33,051	0	43.4	40	43	30	100	21.3	1,024
Non-Motor Vehicle Accidents	26.8	25.5	32.4	1,434	38,442	0	63.8	67	70	44	109	23.4	2,411
Suicide	32.9	31.0	45.1	1,354	44,512	11	46.4	45	48	27	97	20.4	1,513
Homicide	39.7	38.6	40.7	227	9,014	0	36.3	34	35	34	95	19.2	232
Other Causes	16.3	14.8	24.4	4,601	74,999	0	77.1	81	82	61	109	17.0	13,428

* 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 of Death
Montana Residents, 2021

Cause of Death	All Gestational Ages	Less Than 23 Weeks	23 to 33 Weeks	34 Weeks or More
All Causes	33	2	16	15
Certain conditions originating in the perinatal period	33	2	16	15
(#) Fetus affected by maternal conditions that may be unrelated to present pregnancy	4	0	3	1
(17) Fetus affected by maternal hypertensive disorders	3	0	2	1
(19) Fetus affected by maternal infectious and parasitic diseases	1	0	1	0
(#) Fetus affected by maternal complications of pregnancy	3	1	1	1
(26) Fetus affected by incompetent cervix	1	1	0	0
(27) Fetus affected by premature rupture of membranes	1	0	1	0
(32) Fetus affected by maternal death	1	0	0	1
(#) Fetus affected by complications of placenta, cord and membranes	8	0	3	5
(36) Fetus affected by other forms of placental separation and hemorrhage	3	0	2	1
(37) Fetus affected by other and unspecified morphological and functional abnormalities of placenta	1	0	0	1
(40) Fetus affected by other compression of umbilical cord	2	0	0	2
(41) Fetus affected by other and unspecified conditions of umbilical cord	1	0	1	0
(42) Fetus affected by chorioamnionitis	1	0	0	1
(53#) Slow fetal growth and fetal malnutrition	1	0	1	0
Other conditions originating in the perinatal period	17	1	8	8
(87#) Hydrops fetalis not due to hemolytic disease	3	0	3	0
(88#) Fetal death of unspecified cause	14	1	5	8

* Line numbers shown in parentheses on this table correspond to [NCHS Instruction Manual Part 9](#).

Table A-1
Frequency and Percent Induced Abortions
by Age of Patient and Year
Montana Occurrences, 2003-2021

Year	Age in Years																
	Total	Younger than 15		15 - 19		20 - 24		25 - 29		30 - 34		35 - 39		40 and Older		Not Stated	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
2021	1,798	7	‡	193	10.7%	541	30.0%	474	26.3%	342	19.0%	172	9.5%	69	3.8%	0	‡
2020	1,675	6	‡	200	11.9%	460	27.4%	445	26.5%	304	18.1%	191	11.4%	69	4.1%	0	‡
2019	1,568	5	‡	157	10.0%	458	29.2%	454	28.9%	269	17.1%	161	10.2%	64	4.0%	0	‡
2018	1,674	†	‡	184	10.9%	479	28.6%	467	27.8%	307	18.3%	172	10.2%	59	3.5%	†	‡
2017	1,561	†	‡	185	11.8%	484	31.0%	428	27.4%	231	14.7%	165	10.5%	63	4.0%	†	‡
2016	1,618	†	‡	169	10.4%	505	31.2%	419	25.8%	276	17.0%	173	10.6%	71	4.3%	†	‡
2015	1,611	†	‡	201	12.4%	515	31.9%	419	26.0%	269	16.6%	145	9.0%	58	3.6%	†	‡
2014	1,690	†	‡	229	13.5%	573	33.9%	437	25.8%	259	15.3%	137	8.1%	50	2.9%	†	‡
2013	1,842	10	‡	241	13.0%	609	33.0%	450	24.4%	296	16.0%	174	9.4%	62	3.3%	0	‡
2012	2,031	10	‡	298	14.6%	695	34.2%	482	23.7%	296	14.5%	170	8.3%	80	3.9%	0	‡
2011	2,147	6	‡	356	16.5%	730	34.0%	507	23.6%	297	13.8%	159	7.4%	92	4.2%	0	‡
2010	2,160	11	‡	341	15.7%	760	35.1%	509	23.5%	291	13.4%	178	8.2%	70	3.2%	0	‡
2009	2,223	8	‡	395	17.7%	736	33.1%	540	24.2%	285	12.8%	188	8.4%	70	3.1%	†	‡
2008	2,125	12	‡	395	18.5%	753	35.4%	479	22.5%	271	12.7%	160	7.5%	54	2.5%	†	‡
2007	2,238	8	‡	418	18.6%	818	36.5%	479	21.4%	261	11.6%	182	8.1%	72	3.2%	0	‡
2006	2,119	13	‡	400	18.8%	773	36.4%	453	21.3%	234	11.0%	158	7.4%	87	4.1%	†	‡
2005	2,155	7	‡	467	21.6%	737	34.1%	412	19.1%	289	13.4%	170	7.8%	72	3.3%	†	‡
2004	2,256	9	‡	443	19.6%	786	34.8%	483	21.4%	250	11.0%	183	8.1%	101	4.4%	†	‡
2003	2,213	9	‡	464	20.9%	742	33.5%	471	21.2%	255	11.5%	179	8.0%	89	4.0%	†	‡

† 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 A-2
Frequency and Percent of Induced Abortions
by Completed Weeks of Gestation and Year
Montana Occurrences, 2003-2021

Year	Completed Weeks of Gestation														
	Total	8 or Fewer Weeks		9 - 13 Weeks		14 - 15 Weeks		16 - 17 Weeks		18 - 20 Weeks		21 or More Weeks		Not Stated	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
2021	1,798	1,371	76.2%	331	18.4%	51	2.8%	22	1.2%	13	†	†	†	7	‡
2020	1,675	1,218	72.7%	358	21.3%	39	2.3%	29	1.7%	22	1.3%	†	†	6	‡
2019	1,568	1,101	70.2%	337	21.4%	51	3.2%	34	2.1%	34	2.1%	11	†	0	‡
2018	1,674	1,129	67.4%	410	24.4%	55	3.2%	33	1.9%	34	2.0%	10	†	†	‡
2017	1,561	1,046	67.0%	379	24.2%	53	3.3%	34	2.1%	36	2.3%	13	†	0	‡
2016	1,618	1,031	63.7%	423	26.1%	75	4.6%	41	2.5%	35	2.1%	11	†	†	‡
2015	1,611	1,044	64.8%	407	25.2%	62	3.8%	47	2.9%	40	2.4%	8	†	†	‡
2014	1,690	1,127	66.6%	405	23.9%	64	3.7%	37	2.1%	46	2.7%	9	†	†	‡
2013	1,842	1,268	68.8%	415	22.5%	73	3.9%	36	1.9%	39	2.1%	11	†	0	‡
2012	2,031	1,399	68.8%	487	23.9%	68	3.3%	32	1.5%	31	1.5%	14	†	0	‡
2011	2,147	1,491	69.4%	520	24.2%	61	2.8%	27	1.2%	39	1.8%	9	†	0	‡
2010	2,160	1,497	69.3%	513	23.7%	57	2.6%	35	1.6%	42	1.9%	12	†	†	‡
2009	2,223	1,506	67.7%	546	24.5%	75	3.3%	46	2.0%	39	1.7%	10	†	†	‡
2008	2,125	1,344	63.2%	627	29.5%	67	3.1%	33	1.5%	40	1.8%	10	†	†	‡
2007	2,238	1,389	62.0%	669	29.8%	61	2.7%	49	2.1%	59	2.6%	†	†	7	‡
2006	2,119	1,167	55.0%	769	36.2%	88	4.1%	45	2.1%	47	2.2%	†	†	†	‡
2005	2,155	1,155	53.5%	753	34.9%	99	4.5%	62	2.8%	63	2.9%	22	1.0%	†	‡
2004	2,256	1,164	51.5%	822	36.4%	86	3.8%	60	2.6%	92	4.0%	32	1.4%	0	‡
2003	2,213	1,185	53.5%	775	35.0%	99	4.4%	48	2.1%	72	3.2%	27	1.2%	7	‡

† 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 A-3
Frequency and Percent of Induced Abortions
by Method and Year
Montana Occurrences, 2003-2021

Year	Method										
	Total	Surgical		Medical		Intrauterine Instillation		Hysterectomy/Hysterotomy		Not Stated	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
2021	1,798	484	26.9%	1,314	73.0%	0	‡	0	‡	0	‡
2020	1,675	579	34.5%	1,094	65.3%	0	‡	†	‡	0	‡
2019	1,568	652	41.5%	916	58.4%	0	‡	0	‡	0	‡
2018	1,674	740	44.2%	932	55.6%	0	‡	0	‡	†	‡
2017	1,561	655	41.9%	905	57.9%	0	‡	0	‡	†	‡
2016	1,618	785	48.5%	833	51.4%	0	‡	0	‡	0	‡
2015	1,611	832	51.6%	779	48.3%	0	‡	0	‡	0	‡
2014	1,690	822	48.6%	868	51.3%	0	‡	0	‡	0	‡
2013	1,842	1,052	57.1%	789	42.8%	†	‡	0	‡	0	‡
2012	2,031	1,175	57.8%	856	42.1%	0	‡	0	‡	0	‡
2011	2,147	1,332	62.0%	814	37.9%	†	‡	0	‡	0	‡
2010	2,160	1,404	65.0%	756	35.0%	0	‡	0	‡	0	‡
2009	2,223	1,455	65.4%	765	34.4%	†	‡	†	‡	0	‡
2008	2,125	1,519	71.4%	605	28.4%	0	‡	0	‡	†	‡
2007	2,238	1,678	74.9%	499	22.2%	0	‡	0	‡	61	‡
2006	2,119	1,887	89.0%	232	10.9%	0	‡	0	‡	0	‡
2005	2,155	2,005	93.0%	150	6.9%	0	‡	0	‡	0	‡
2004	2,256	2,137	94.7%	119	5.2%	0	‡	0	‡	0	‡
2003	2,213	2,116	95.6%	97	4.3%	0	‡	0	‡	0	‡

† 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 A-4
Frequency and Percent of Induced Abortions
by Race and Year
Montana Occurrences, 2003-2021

Year	Race						
	Total	White		AI/AN		Other	
		Number	Percent	Number	Percent	Number	Percent
2021	1,798	1,512	84.0%	198	11.0%	88	4.8%
2020	1,675	1,455	86.8%	146	8.7%	74	4.4%
2019	1,568	1377	87.8%	122	7.7%	69	4.4%
2018	1,674	1481	88.4%	138	8.2%	55	3.2%
2017	1,561	1381	88.4%	135	8.6%	45	2.8%
2016	1,618	1431	88.4%	130	8.0%	57	3.5%
2015	1,611	1424	88.3%	135	8.3%	52	3.2%
2014	1,690	1535	90.8%	118	6.9%	37	2.1%
2013	1,842	1630	88.4%	163	8.8%	49	2.6%
2012	2,031	1834	90.3%	153	7.5%	44	2.1%
2011	2,147	1935	90.1%	155	7.2%	57	2.6%
2010	2,160	1928	89.2%	181	8.3%	51	2.3%
2009	2,223	1991	89.5%	199	8.9%	33	1.4%
2008	2,125	1890	88.9%	184	8.6%	51	2.4%
2007	2,238	2019	90.2%	165	7.3%	54	2.4%
2006	2,119	1892	89.2%	191	9.0%	36	1.6%
2005	2,155	1854	86.0%	248	11.5%	53	2.4%
2004	2,256	2002	88.7%	219	9.7%	35	1.5%
2003	2,213	1939	87.6%	231	10.4%	43	1.9%

† 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 A-5
Frequency and Percent of Induced Abortions
by Number of Previous Induced Abortions and Year
Montana Occurrences, 2003-2021

Year	Number of Previous Induced Abortions										
	Total	0		1		2		3 or More		Not Stated	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
2021	1,798	856	47.6%	629	34.9%	203	11.2%	110	6.1%	0	‡
2020	1,675	722	43.1%	631	37.6%	218	13.0%	104	6.2%	0	‡
2019	1,568	643	41.0%	622	39.6%	199	12.6%	104	6.6%	0	‡
2018	1,674	628	37.5%	690	41.2%	236	14.0%	120	7.1%	0	‡
2017	1,561	552	35.3%	691	44.2%	238	15.2%	80	5.1%	0	‡
2016	1,618	618	38.1%	664	41.0%	260	16.0%	76	4.6%	0	‡
2015	1,611	563	34.9%	716	44.4%	221	13.7%	111	6.8%	0	‡
2014	1,690	427	25.2%	934	55.2%	220	13.0%	109	6.4%	0	‡
2013	1,842	612	33.2%	831	45.1%	266	14.4%	133	7.2%	0	‡
2012	2,031	810	39.8%	823	40.5%	284	13.9%	114	5.6%	0	‡
2011	2,147	837	38.9%	877	40.8%	291	13.5%	142	6.6%	0	‡
2010	2,160	894	41.3%	805	37.2%	307	14.2%	154	7.1%	0	‡
2009	2,223	852	38.3%	891	40.0%	316	14.2%	164	7.3%	0	‡
2008	2,125	754	35.4%	905	42.5%	324	15.2%	142	6.6%	0	‡
2007	2,238	722	32.2%	1001	44.7%	341	15.2%	174	7.7%	0	‡
2006	2,119	782	36.9%	908	42.8%	299	14.1%	130	6.1%	0	‡
2005	2,155	1293	60.0%	571	26.4%	193	8.9%	96	4.4%	†	‡
2004	2,256	1407	62.3%	566	25.0%	181	8.0%	102	4.5%	0	‡
2003	2,213	1431	64.6%	543	24.5%	168	7.5%	71	3.2%	0	‡

† 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 A-6
Frequency and Percent of Induced Abortions
by Number of Previous Live Births and Year
Montana Occurrences, 2003-2021

Year	Number of Previous Live Births												
	Total	0		1		2		3		4 or More		Not Stated	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
2021	1,798	907	50.4%	370	20.5%	286	15.9%	151	8.3%	84	4.6%	0	‡
2020	1,675	823	49.1%	330	19.7%	298	17.7%	134	8.0%	89	5.3%	†	‡
2019	1,568	746	47.5%	357	22.7%	260	16.5%	129	8.2%	76	4.8%	0	‡
2018	1,674	795	47.4%	343	20.4%	301	17.9%	150	8.9%	85	5.0%	0	‡
2017	1,561	752	48.1%	349	22.3%	236	15.1%	144	9.2%	79	5.0%	†	‡
2016	1,618	770	47.5%	361	22.3%	297	18.3%	126	7.7%	64	3.9%	0	‡
2015	1,611	820	50.9%	355	22.0%	249	15.4%	126	7.8%	61	3.7%	0	‡
2014	1,690	847	50.1%	414	24.4%	260	15.3%	110	6.5%	59	3.4%	0	‡
2013	1,842	928	50.3%	412	22.3%	295	16.0%	137	7.4%	70	3.8%	0	‡
2012	2,031	1,031	50.7%	420	20.6%	370	18.2%	144	7.0%	66	3.2%	0	‡
2011	2,147	1,126	52.4%	441	20.5%	354	16.4%	153	7.1%	72	3.3%	†	‡
2010	2,160	1,055	48.8%	504	23.3%	356	16.4%	162	7.5%	83	3.8%	0	‡
2009	2,223	1,038	46.6%	541	24.3%	386	17.3%	162	7.2%	96	4.3%	0	‡
2008	2,125	1,046	49.2%	516	24.2%	352	16.5%	132	6.2%	79	3.7%	0	‡
2007	2,238	1,115	49.8%	503	22.4%	394	17.6%	149	6.6%	76	3.3%	†	‡
2006	2,119	1,097	51.7%	449	21.1%	356	16.8%	151	7.1%	66	3.1%	0	‡
2005	2,155	1,076	49.9%	501	23.2%	357	16.5%	158	7.3%	61	2.8%	†	‡
2004	2,256	1,102	48.8%	492	21.8%	434	19.2%	149	6.6%	79	3.5%	0	‡
2003	2,213	1,069	48.3%	545	24.6%	378	17.0%	155	7.0%	66	2.9%	0	‡

† Frequency is fewer than five.

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

