2020

Montana Vital Statistics

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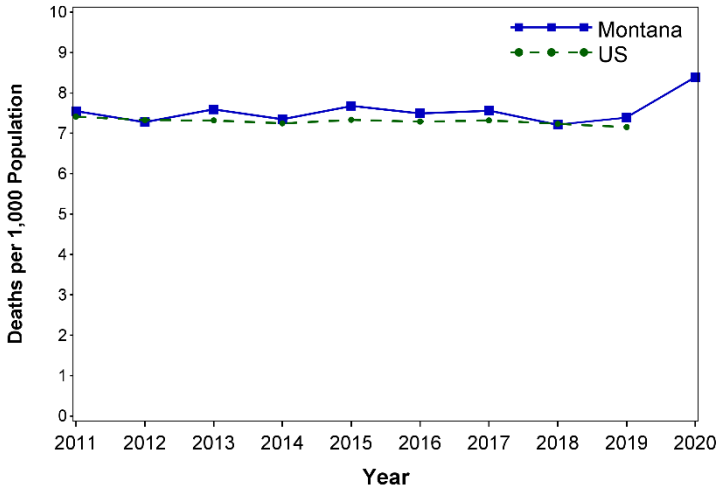
Age-Adjusted Death Rates
Montana and U.S. Residents, 2011-2020



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.

PREPARED BY

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

Todd M. Koch, MPH
Lead Vital Statistics Epidemiologist

Matthew Ringel, MPH
Vital Statistics Epidemiologist

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State Registrar, Office of Vital Statistics

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Data Acquisition Supervisor, Office of Vital Statistics

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

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INTRODUCTION

This report was prepared by the Montana Department of Public Health and Human Services (DPHHS), Office of Epidemiology and Scientific Support (OESS). OESS primarily uses data collected through the Montana Vital Statistics System. However, the following organizations also provided information: The Judicial Case Management System (JCMS) of the Montana District Court System provided marriage and divorce data. National mortality and natality data and population estimates are provided by the National Center for Health Statistics (NCHS). These provide context for interpretation of Montana vital events. This report provides a reference to some of the more frequently used Montana vital statistics. Because 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 OESS 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 2020 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 OESS for surveillance and further analysis. All birth, death and fetal death certificates for events occurring in Montana are permanently filed with and maintained by OVS.

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 2020 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 certicate when a definivie diagnosis of the disease was made. For cases in where COVID-19 survival complicated pre-exsiting 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 clinal judgement.

All tabulations of COVID-19 deaths in this report are by the underyling cause of death (e.g., COVID-19 reported in Part I), consistent with all other diseases in this report. In 2020, COVID-19 was reported as the underlying cause of death in 89% of all deaths mentioning COVID-19.

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. In recent years, OESS has relied on a special series of annual population estimates—U.S. Census Population Estimates with Bridged Race Categories—produced by NCHS, in collaboration with the National Cancer Institute and the Census Bureau **(Table P-1)**. These estimates are stratified by age, race, sex, and county and are used in this report to derive statewide fertility rates, abortion rates, and age-specific and age-adjusted mortality rates. OESS uses the latest available updates of these population estimates for such calculations. Further explanation can be found at the 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 2010 Census, about nine out of ten Montanans (89.4%) considered themselves to be white alone (i.e., indicating no other racial classification). About 6.3% considered themselves American Indian or Alaska Native (AI/AN) alone. Another 2.5% of the population considered themselves to be of two or more races. The remainder considered themselves to be of one of the remaining races—black (0.4%), Asian (0.6%), Native Hawaiian or Pacific Islander (0.1%), or some other race (0.6%)—alone. Thus, classifying persons of unknown race as "Other" may introduce an unknown, but probably slight, bias into statistics calculated from the data in these tables.

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

For all records other than divorce records, racial classifications shown in this report are based on a "bridged race" category, in which four racial groups--white, black, American Indian or Alaska native (AI/AN), and Asian and Pacific islander--are reported. Records for which only a single race is reported are assigned a bridged category according to the race provided. NCHS "bridges" those records for which two or more races are reported; a representative race is assigned using a probabilistic model described at this web site. Bridged race categories are intended for use in the calculation of

population-based rates, along with the bridged population estimates mentioned above. For births and fetal deaths, the race of the infant or fetus is defined as the race of the mother.

Marital Status

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

Marital status categories on death records are "Never married," "Married," "Married but Separated," "Widowed," "Divorced," or "Unknown," as described by the informant. Categories of marital status on the abortion report are the same, 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:

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

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:

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

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

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

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:

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

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:

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

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

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

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:

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

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:

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

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:

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

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:

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

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:

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

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:

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

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:

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

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

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).

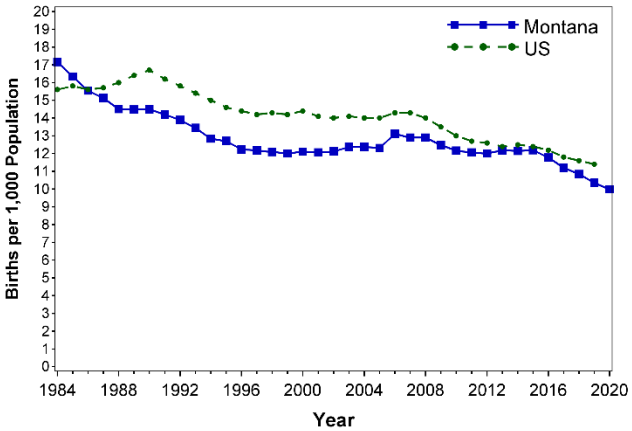
Years of Potential Life Lost (YPLL) – a measure of the cost of premature deaths that emphasizes deaths of the young by measuring the number of years lost to death before a given age, 75 years in this report. Statistically, YPLL is the difference between a given age and the decedent's age at death, summed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

NATALITY

There were 10,794 babies born to Montana residents in 2020. **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 10.0 per 1,000 residents in 2020 **(Figure 1)**.

Figure 1
Resident Birth Rates
Montana and the United States, 1984-2020



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 17 and 18 and 19 years; but teen birth rates have been declining for both American Indians and whites.

Figure 2
Fertility Rates for White Mothers
Montana Teens and Mothers of All Ages, 2000-2020

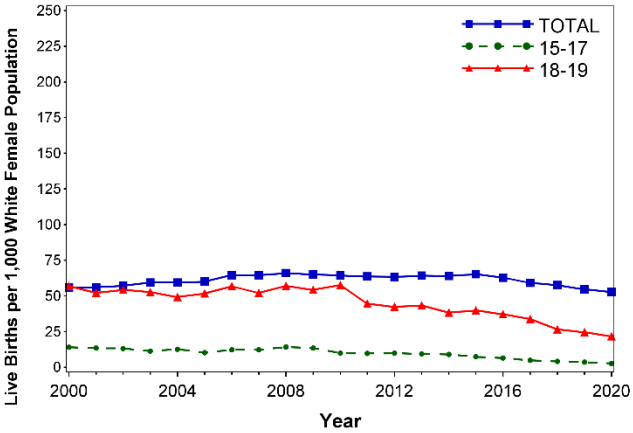
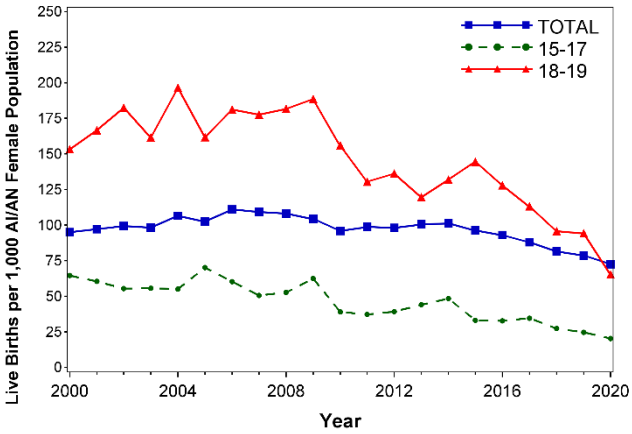


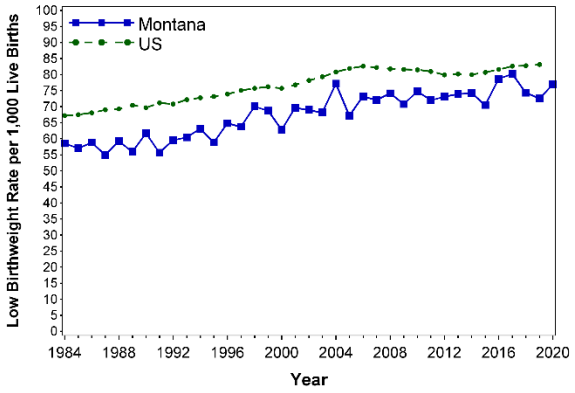
Figure 3
Fertility Rates for American Indian Mothers
Montana Teens and Mothers of All Ages, 2000-2020



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 77.0 per 1,000 live births in 2020, up from 61.7 in 1990. The U.S. rate was 823.1 in 2019, the latest year for which a final national statistic is available, up from 69.7 in 1990.

Figure 4
Rate of Low-Birth-Weight Births
Montana and United States Residents, 1984-2020

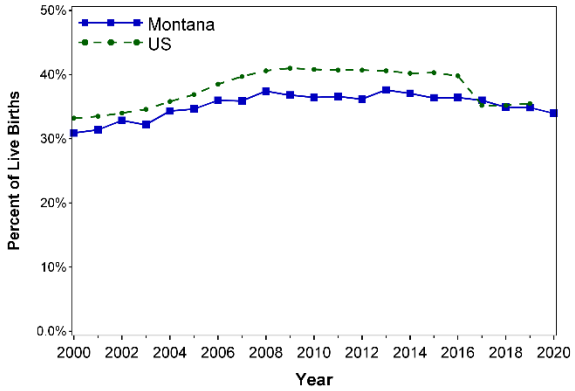


Mother's Age, Race, and Marital Status

Of those Montanan mothers giving birth in 2020, roughly half (49.8%) were between 20 and 29 years of age **(Table S-5)**. Births to American Indian mothers comprised 11.1% of all births, and 86.2% 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 30.1% of Montana's resident births in 2000 and 34.0% in 2020. By comparison, unmarried mothers in the U.S. accounted for 35.5% in 2018. 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, 2000-2020



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.

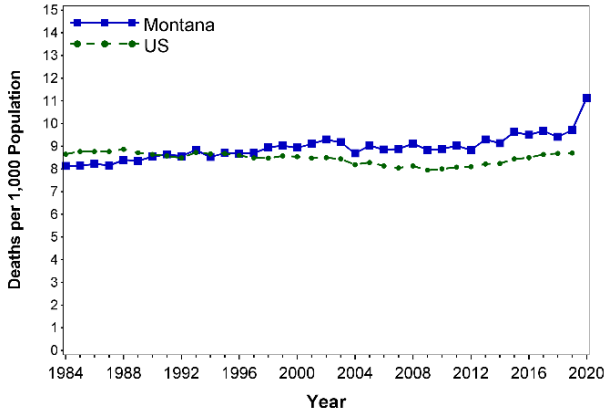
MORTALITY

There were 12,030 residents of Montana who died in 2020, the first year in recorded history where resident deaths exceded resident births **(Table S-1)**. Montana's crude death rate had been rising slowly from 8.1 death per thousand population in 1984 to 9.7 2019, but drastically increased in 2020 to 11.1 **(Figure 6)**. This increase is primarily attributable to the emergence of a new communicable disease, COVID-19, which was responsible for the death of 1,118 Montana residents in 2020 **(Table 3)**. For comparison, the U.S. rate was 8.7 in 2019. The discrepancy between Montana's crude death rate and the US rate is due to Montana's aging population relative to the younger national population.

Figure 6

Resident Crude Death Rates

Montana and United States Residents, 1984-2020



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 **(Figure 7)**. The discrepancies between Montana's and the US age-adjusted mortality rate are much smaller than the discrepancies between the crude rates.

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, 2011-2020

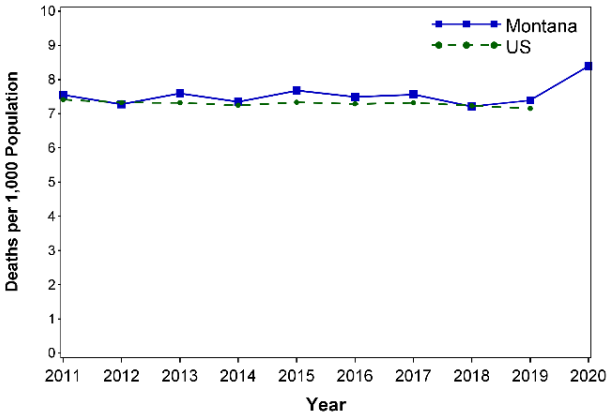


Figure 8

Age-Adjusted Death Rates by Race and Sex

Montana Residents, 2011-2020

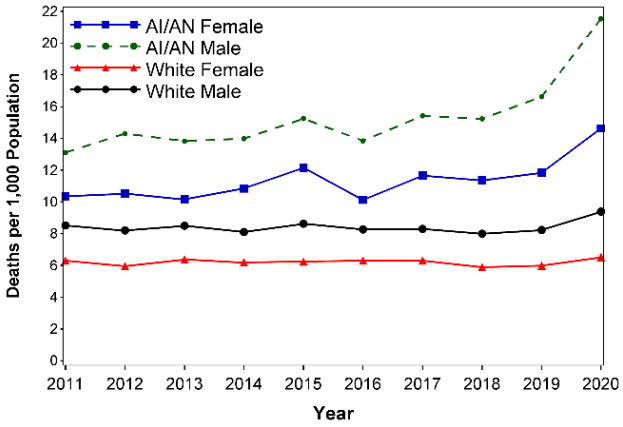
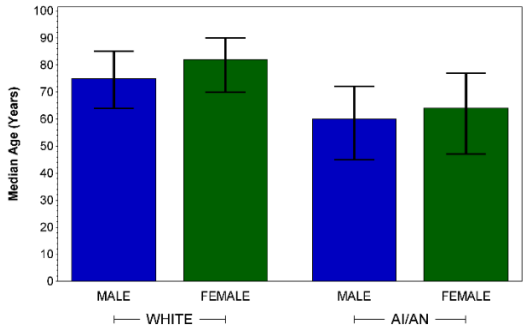


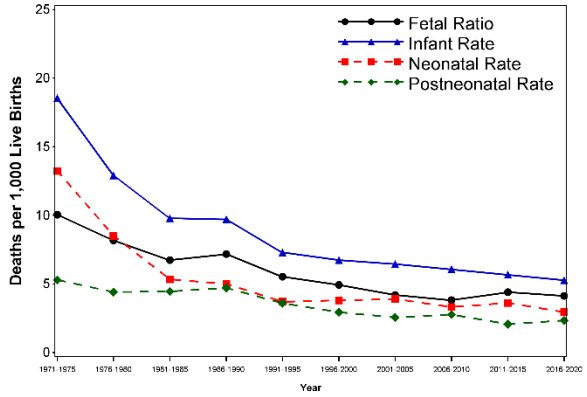
Figure 9
Median Age at Death,
25th and 75th Percentiles,
Montana Residents, 2016-2020



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, 1971-2020



About half of all infant deaths in 2020 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 2020. There were 41 resident fetal deaths and 57 resident infant deaths in Montana in 2020.

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 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 2019. Montana's age-adjusted death rates are similar to those for the U.S. for many of the chronic diseases displayed; Montana's rates for cerebrovascular disease **(Figure 18)**, nephritis (**Figure 34**), and Alzheimer's disease **(Figure 36)**, were substantially lower than those rates for the U.S.

For deaths from certain other chronic diseases, however, Montana clearly does not compare well to the nation. The state's rates for chronic lower respiratory diseases (C.L.R.D.) – which includes chronic and unspecified bronchitis, emphysema, and asthma – were higher than those for the U.S. in all years in which rates for both Montana and the U.S. are displayed **(Figure 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 patterns displayed for other chronic diseases were less conclusive. Montana's death rates for cerebrovascular disease showed inconsistent relationships with the U.S. rates, with the trend lines crossing each other more than once in the period shown **(Figure 18)**. Death rates for influenza and pneumonia were either slightly lower or virtually the same for all years displayed (**Figures 28**).

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 2019. **(Figure 26)**. Both the Montana and U.S. rates for suicide have increased somewhat since 2011 **(Figure 32)**. It is noteworthy that the Montana suicide rate was often nearly twice the U.S. rate in the period shown. Montana's homicide rate had been largely consistent since 2011, but substantially increased in 2020 **(Figure 40)**.

Figure 11 shows the age-adjected for several leading causes of death from 2016-2020. These rates were largely similar to the rates for 2020 alone. One that was much smaller, however, was COVID-19. This is because there were no COVID-19 deaths from 2016-2019. COVID-19 was the third leading cause of death among Montana residents in 2020 (**Figure S-4)**.

Figure 11
Age-Adjusted Death Rate by Cause of Death
Montana Residents, 2016-2020

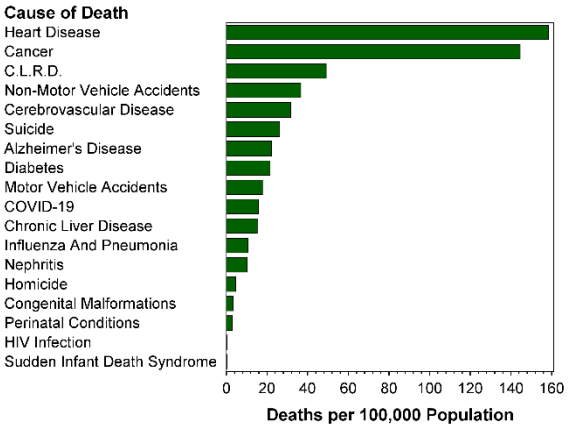


Figure 12
Age-Adjusted Death Rates for
All Causes
Montana and U.S. Residents, 2011-2020

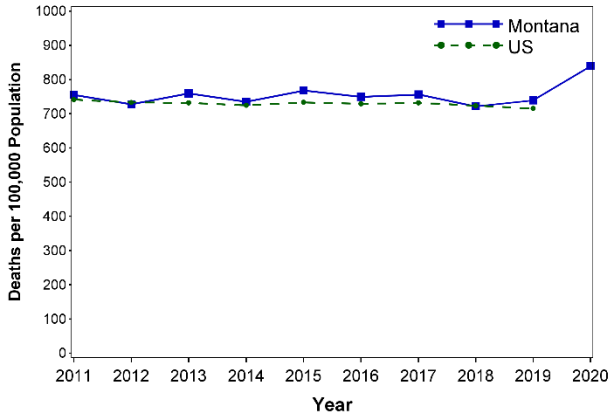


Figure 13
Age-Specific Death Rates for
All Causes
Montana Residents, 2020

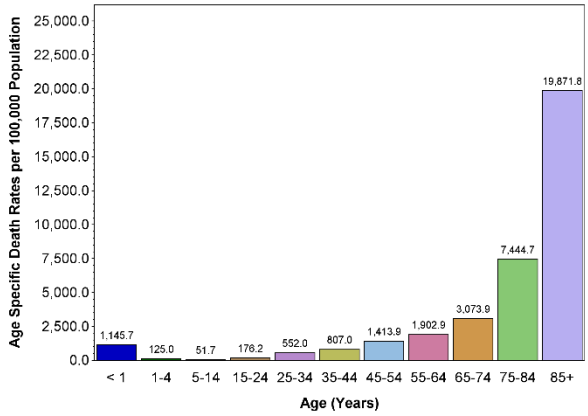


Figure 14
Age-Adjusted Death Rates for
Diseases of Heart
Montana and U.S. Residents, 2011-2020

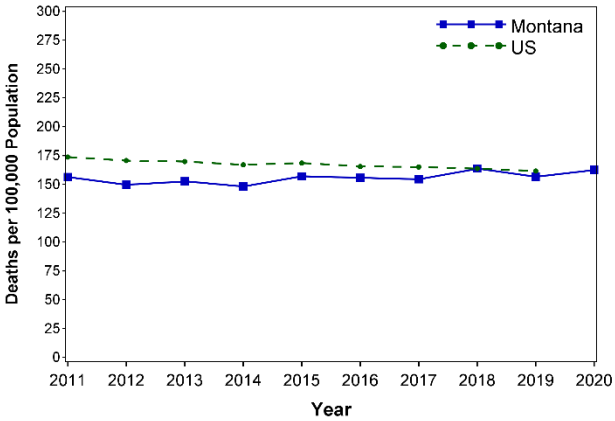


Figure 15
Age-Specific Death Rates for
Diseases of Heart
Montana Residents, 2020

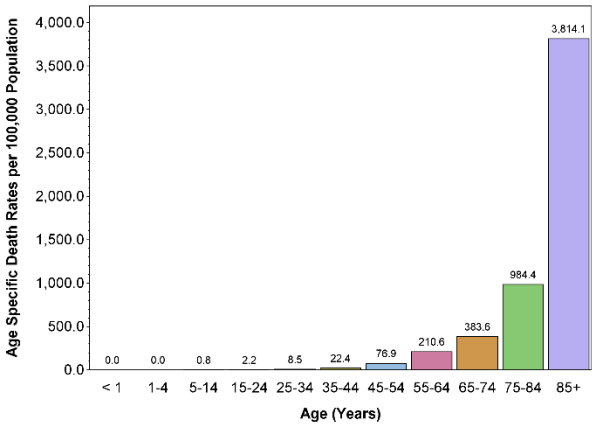


Figure 16
Age-Adjusted Death Rates for
Malignant Neoplasms (Cancer)
Montana and U.S. Residents, 2011-2020

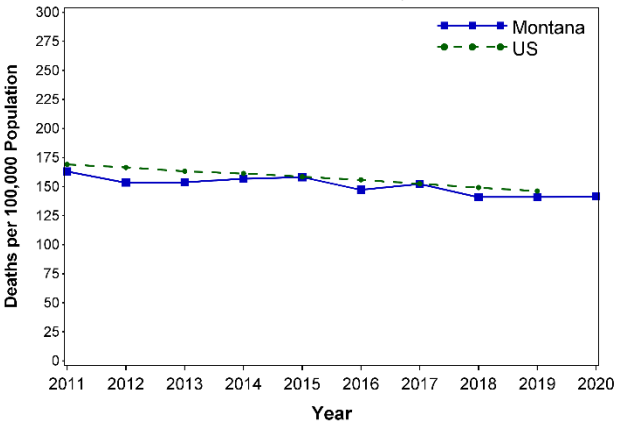


Figure 17
Age-Specific Death Rates for
Malignant Neoplasms (Cancer)
Montana Residents, 2020

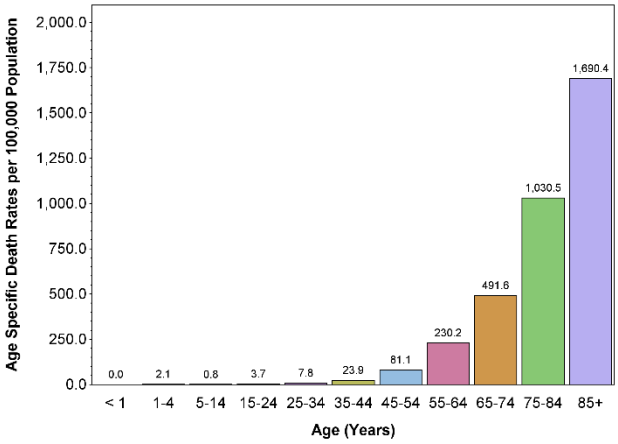
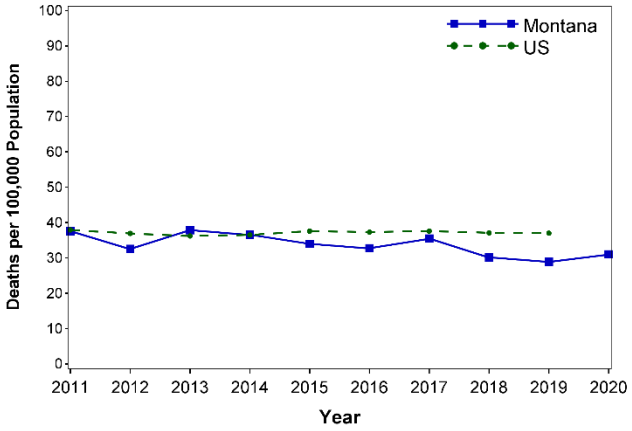


Figure 18
Age-Adjusted Death Rates for
Cerebrovascular Diseases
Montana and U.S. Residents, 2011-2020



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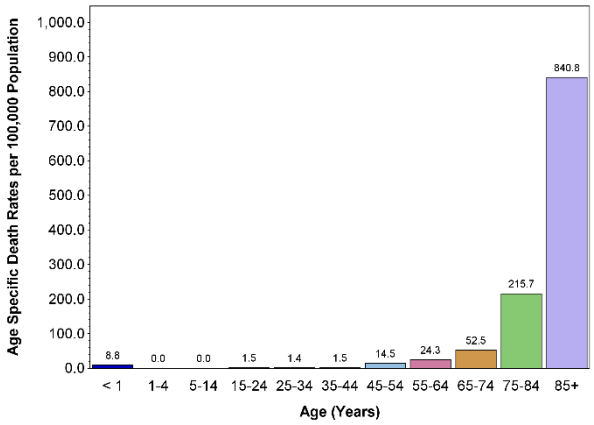

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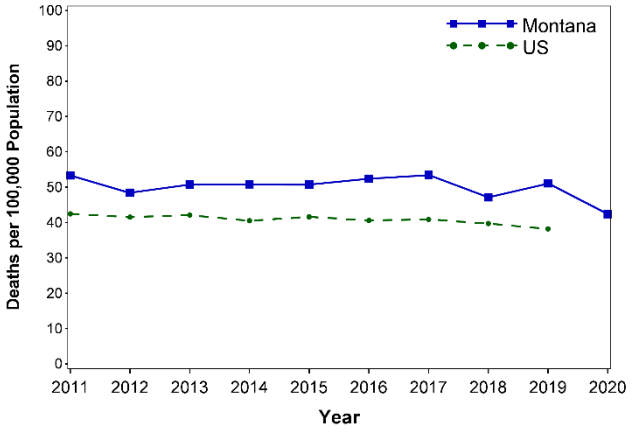

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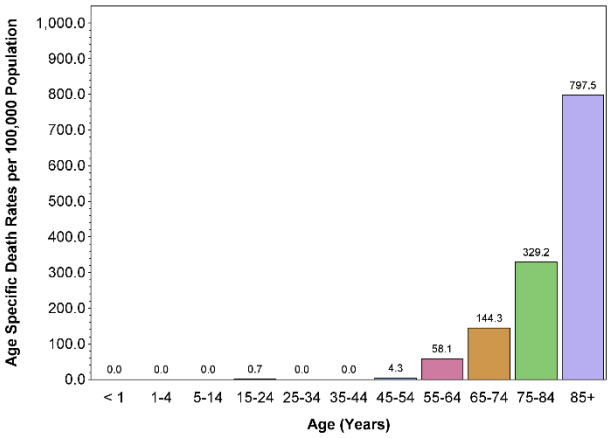

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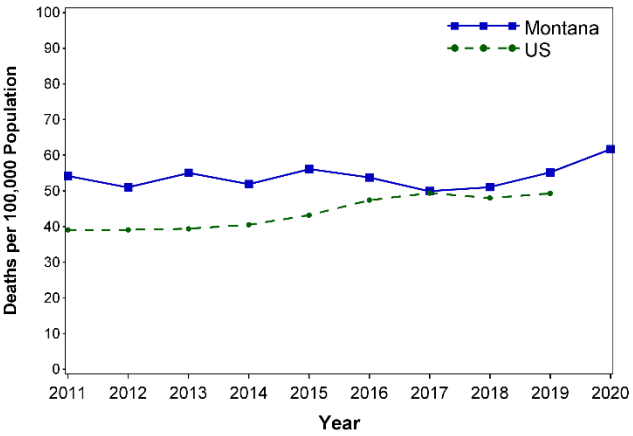

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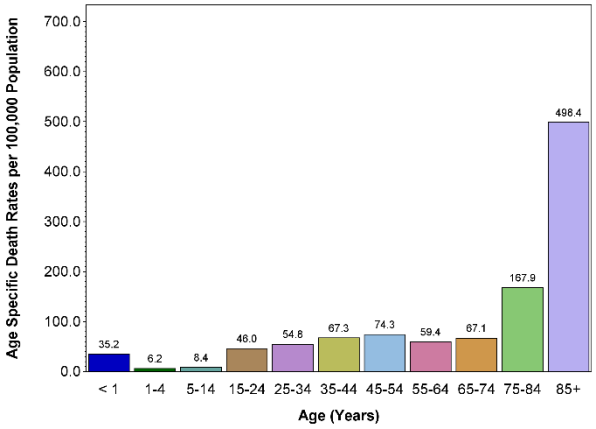

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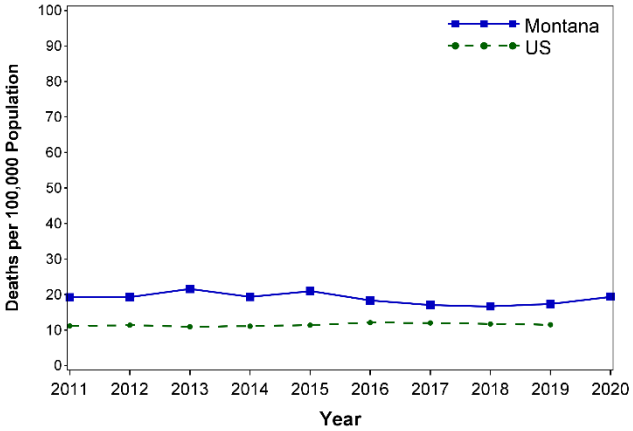

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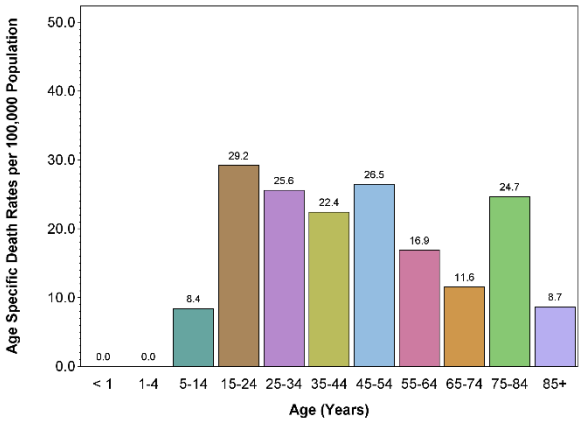

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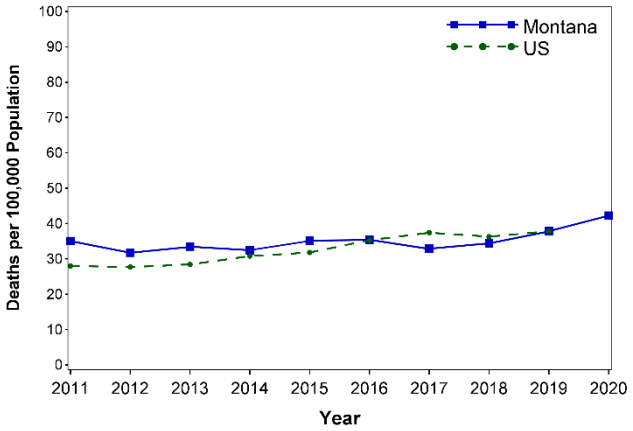

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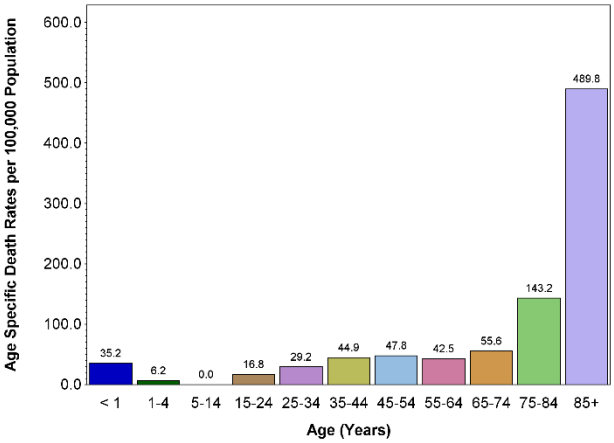

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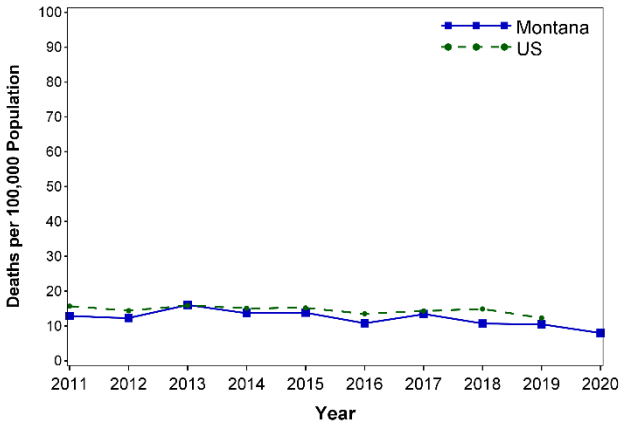

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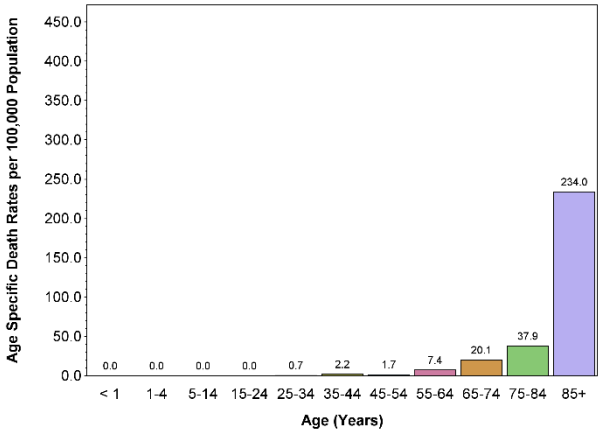

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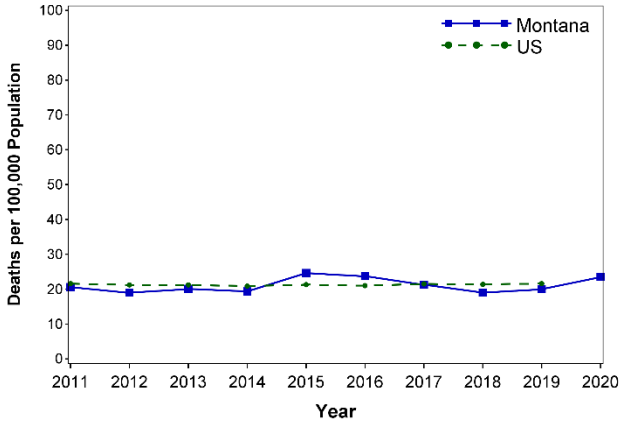

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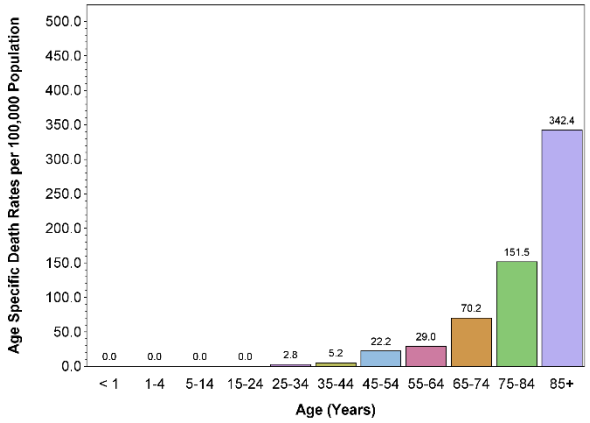

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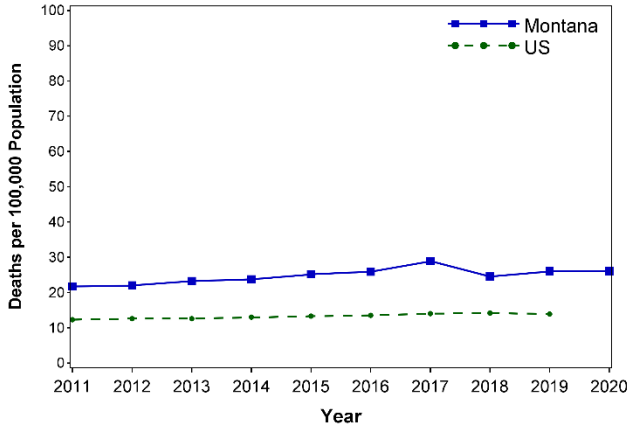

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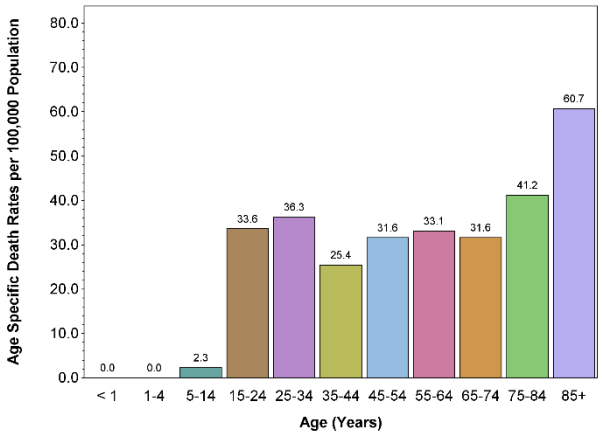

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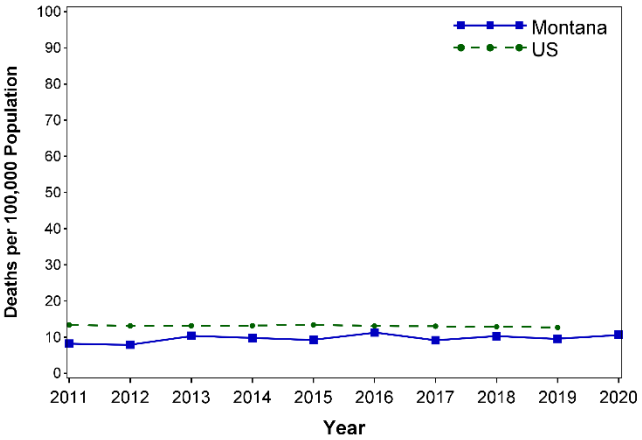

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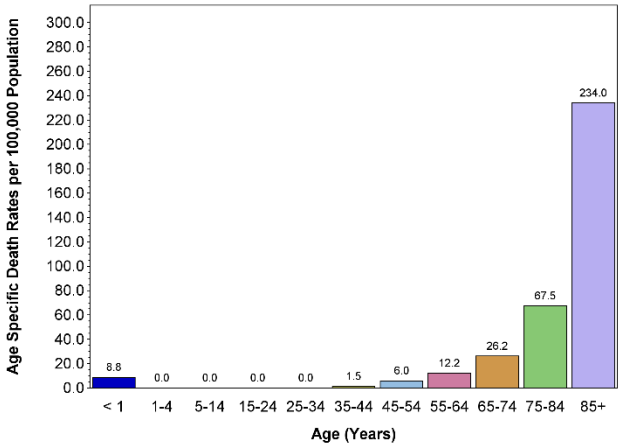

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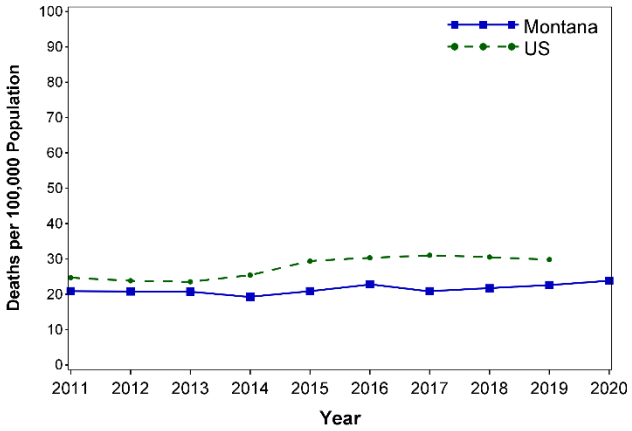

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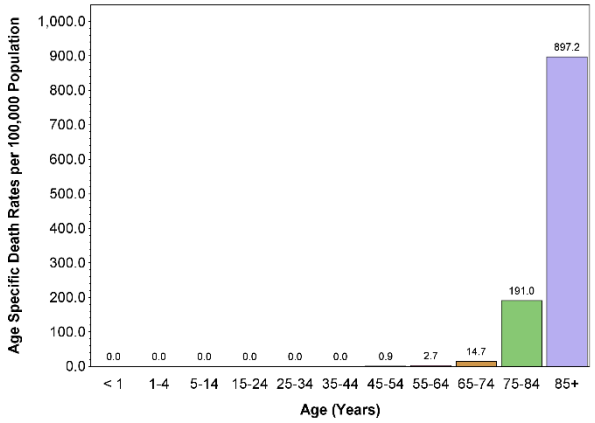

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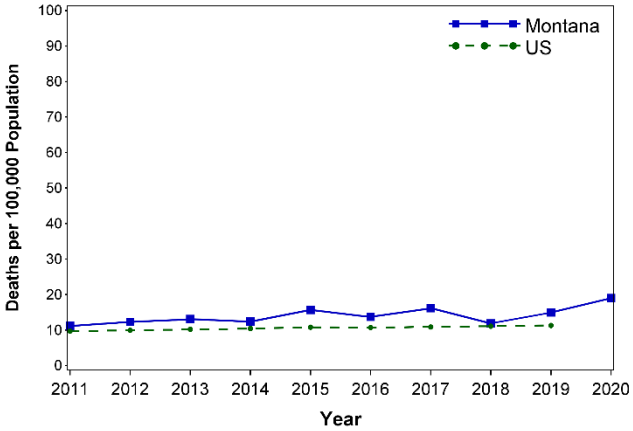

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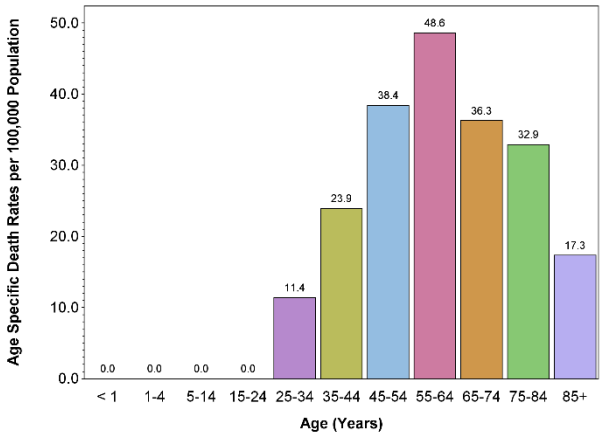

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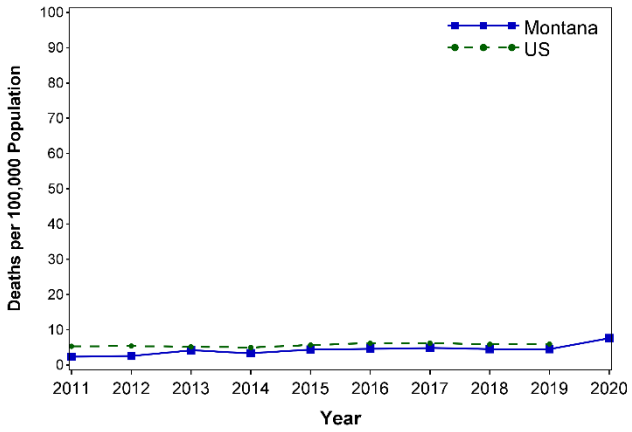

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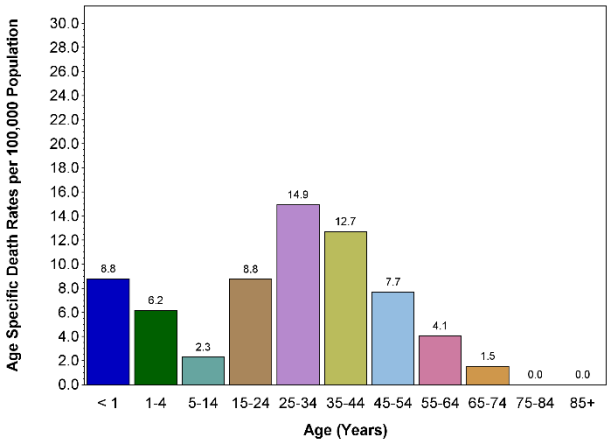


Table 2. Frequency of Death by Selected Cause, Race, and Sex, Montana Residents, 2016-2020.

Cause of Death	All Races		White		AI/AN		Other	
	Male	Female	Male	Female	Male	Female	Male	Female
All Causes	27,951	24,578	25,703	22,733	2,060	1,691	188	154
HIV Infection	14	†	9	†	5	†	0	†
Cancer	5,679	4,771	5,390	4,491	261	251	28	29
Diabetes	895	596	766	497	119	94	10	5
Alzheimer's Disease	556	1,025	536	1,005	16	15	†	5
Heart Disease	6,482	4,869	6,082	4,615	362	236	38	18
Cerebrovascular Disease	948	1,263	892	1,208	46	51	10	†
Atherosclerosis	59	46	59	43	0	†	0	0
Influenza & Pneumonia	392	367	352	341	38	23	†	†
Chronic Lower Respiratory Diseases	1,729	1,857	1,657	1,762	68	88	†	7
Chronic Liver Disease & Cirrhosis	564	362	422	236	140	124	†	†
Nephritis, Nephrotic Syndrome & Nephrosis	413	316	362	276	46	35	5	5
Congenital Malformations & Chromosomal Anomalies	93	86	80	73	11	13	†	0
Conditions Originating in Perinatal Period	61	57	45	38	14	16	†	†
Sudden Infant Death Syndrome	†	7	†	†	†	†	0	†
*COVID-19	631	487	478	377	147	104	6	6
Motor Vehicle Accidents	647	306	526	225	116	76	5	5
Non-Motor-Vehicle Accidents	1,311	919	1,179	830	121	82	11	7
Suicide	1,121	308	1,013	264	96	38	12	6
Homicide	142	86	93	64	44	19	5	†
Other Causes	6,212	6,847	5,761	6,384	409	420	42	43

Table 3. Frequency of Death by Selected Leading Causes of Death and Age, Montana Residents, 2016-2020.

Cause of Death	All Ages	Under 1 Year	1-4 Years	5-14 Years	15-24 Years	25-34 Years	35-44 Years	45-54 Years	55-64 Years	65-74 Years	75-84 Years	85+ Years
All Causes	52,529	303	65	119	638	1,051	1,425	2,562	6,512	10,235	13,015	16,604
HIV Infection	17	0	0	0	0	†	†	†	†	†	0	0
Cancer	10,450	0	9	6	24	46	145	500	1,810	3,067	2,974	1,869
Diabetes	1,491	0	0	0	†	18	40	112	218	368	418	315
Alzheimer's Disease	1,581	0	0	0	0	0	0	†	19	82	452	1,027
Heart Disease	11,351	†	†	†	13	53	132	426	1,383	2,162	2,772	4,404
Cerebrovascular Disease	2,211	†	0	†	6	7	20	69	151	308	665	981
Atherosclerosis	105	0	0	0	0	0	†	†	13	34	27	29
Influenza & Pneumonia	759	†	0	†	†	6	18	16	70	121	171	351
Chronic Lower Respiratory Diseases	3,586	0	0	0	†	5	7	62	440	898	1,180	990
Chronic Liver Disease & Cirrhosis	926	0	0	0	†	46	121	198	282	189	66	22
Nephritis, Nephrotic Syndrome & Nephrosis	729	†	0	0	0	†	6	24	69	159	202	264
Congenital Malformations & Chromosomal Anomalies	179	61	6	10	6	†	9	9	45	11	9	9
Conditions Originating in Perinatal Period	118	114	†	0	†	0	†	0	†	0	0	0
Sudden Infant Death Syndrome	9	9	0	0	0	0	0	0	0	0	0	0
*COVID-19	1,118	0	0	0	0	7	16	46	115	257	327	350
Motor Vehicle Accidents	953	†	8	32	176	176	138	102	138	92	65	24
Non-Motor-Vehicle Accidents	2,230	13	12	12	87	177	232	228	260	286	310	613
Suicide	1,429	0	0	22	217	261	206	201	233	151	93	45
Homicide	228	11	11	8	32	56	37	32	25	12	†	†
Other Causes	13,059	84	17	23	67	184	292	531	1,236	2,034	3,281	5,310

*All COVID-19 Deaths Occurred in 2020.

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 2016-2020.

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 next two leading causes, however, were different. Among whites, they were chronic lower respiratory disease and cerebrovascular disease. Among Americans Indians, they were chronic liver disease and cirrhosis and COVID-19.

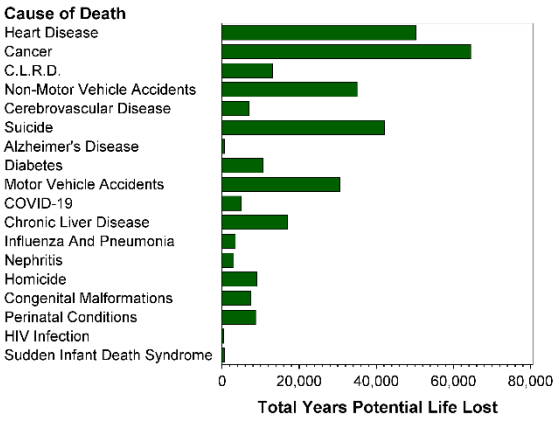
The leading causes of death vary by age **(Table 3)**. Cancer and heart disease were very common among decedents aged 45 and older, comprising almost half of these deaths. These causes of death were much less common among decedents aged 44 and younger, comprising about twelve percent of these deaths. Accidents and suicides were very common among decedent's aged 44 and younger, comprising about half of these deaths. These causes were much less common among decedents aged 45 and older, comprising about six percent 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 2016-2020 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 victims 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. This disparity in proportions points to the relatively large cost (in terms of length of life lost) of the typical death from traumatic causes and emphasizes the many young people lost to such potentially preventable causes of death.

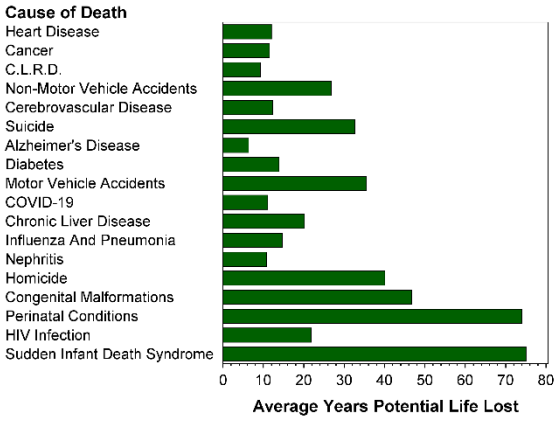
Figure 42
Total Years of Potential Life Lost Before Age 75
By Cause of Death
Montana Residents, 2016-2020



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.

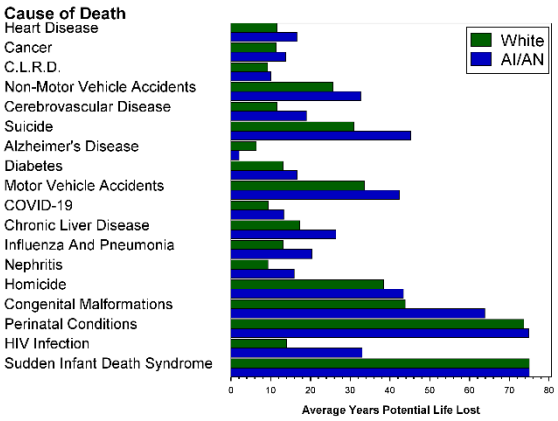
Figure 43
Average Years of Potential Life Lost Before Age 75
By Cause of Death
Montana Residents, 2016-2020



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 2015-2019. 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.

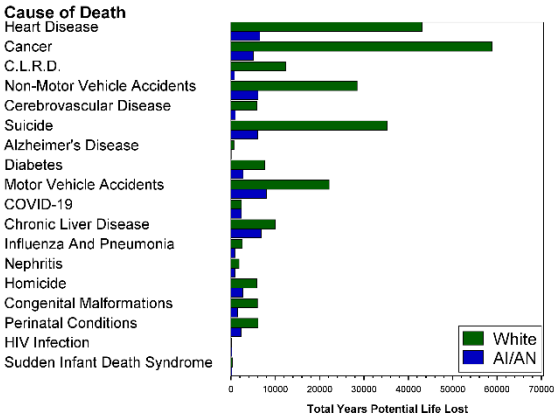
Typically, measuring by median age at death, American Indians have lifespans 16 years shorter than whites—over twenty percent of the typical lifespan for whites **(Table D-9)**. Several causes of death demonstrated a greater impact on American Indians (AI) than white decedents when considering average 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 45 years), HIV infection (21 years), and suicide (21 years). American Indians living in Montana typically die at a younger 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 44
Average Years of Potential Life Lost Before Age 75
By Cause of Death and Race
Montana Residents, 2016-2020



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 (19% of total YPLL), heart disease (14%), suicide (11%), and non-motor vehicle accidents (9%). The American Indian population is impacted most by motor vehicle accidents (12%), chronic liver disease and cirrhosis (10%), heart disease (9%), and non-motor vehicle accidents (9%).

Figure 45
Total Years of Potential Life Lost Before Age 75
By Cause of Death and Race
Montana Residents, 2016-2020



INDUCED ABORTION

There were 1,675 induced abortions performed in Montana in 2019 **(Table S-1)**. Of those, 1,498 were performed on Montana residents **(Table S-1)**. 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 154.8 in 2020, 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 and county of residence. 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, 1985-2020

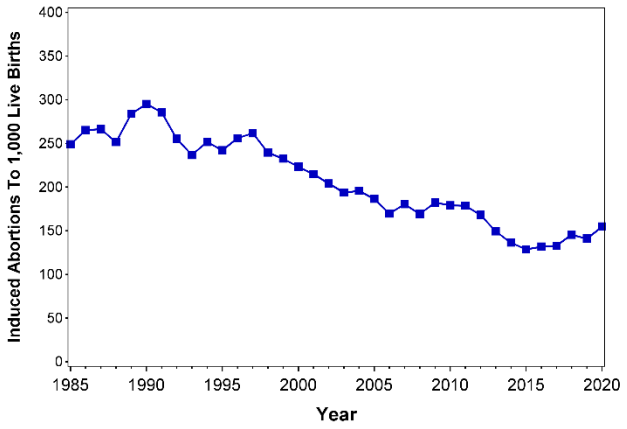


Table A-1 shows the frequency and percent of induced abortions by age of patient and year.

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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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, 1910-2020

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+
2020	1,080,577	12,030	11.1	10,794	10.0	41	3.8	57	5.3	3	‡	11,228	10.4	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
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

[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, 1910-2020

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+
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 Residences
Montana, 2020

County	Live Births		Deaths		Fetal Deaths		Infant Deaths	
	Occ.	Res.	Occ.	Res.	Occ.	Res.	Occ.	Res.
Montana Total	10,822	10,794	12,010	12,030	38	41	53	57
Beaverhead	75	74	110	118	0	0	0	0
Big Horn	10	201	113	216	0	†	0	†
Blaine	†	92	58	108	0	†	0	†
Broadwater	†	65	45	56	0	0	0	0
Carbon	†	74	102	128	0	0	0	0
Carter	0	10	16	22	0	0	0	0
Cascade	1,306	895	1,325	1,078	6	5	6	5
Chouteau	†	41	45	71	0	0	0	0
Custer	176	105	123	139	†	0	0	0
Daniels	0	11	23	28	0	0	0	0
Dawson	61	89	115	135	†	†	0	0
Deer Lodge	150	69	143	151	†	0	†	†
Fallon	0	23	38	39	0	†	0	0
Fergus	95	117	170	178	0	†	0	0
Flathead	1,206	1,068	1,253	1,139	†	†	10	7
Gallatin	1,231	1,145	643	629	0	†	†	†
Garfield	0	15	15	13	0	0	0	0
Glacier	85	189	103	180	0	0	†	†
Golden	0	9	12	15	0	0	0	0
Granite	†	27	34	29	0	0	0	0
Hill	274	211	181	195	†	0	†	†
Jefferson	0	92	101	155	0	0	0	0
Judith Basin	0	24	14	16	0	0	0	0
Lake	207	289	280	367	0	0	†	†
Lewis & Clark	740	698	716	710	†	†	†	†
Liberty	†	26	17	21	0	0	0	0
Lincoln	99	147	242	292	0	0	0	0
McCone	0	14	14	14	0	0	0	0
Madison	†	59	88	104	0	0	†	†
Meagher	0	15	15	20	0	0	0	0
Mineral	†	39	51	63	0	†	0	0
Missoula	1,576	1,064	1,192	999	11	6	†	†
Musselshell	0	45	63	72	0	†	0	0
Park	110	141	166	194	0	0	0	†
Petroleum	0	7	†	5	0	0	0	0
Phillips	0	45	40	58	0	0	0	0
Pondera	†	64	54	74	0	0	0	†
Powder River	0	15	14	20	0	0	0	0
Powell	†	42	76	95	0	†	0	0
Prairie	0	8	19	20	0	0	0	0
Ravalli	151	374	466	560	†	†	0	0
Richland	228	155	91	114	0	†	0	0
Roosevelt	94	187	131	196	†	†	†	†
Rosebud	8	117	71	138	0	0	0	0
Sanders	31	92	134	190	0	†	†	†
Sheridan	†	31	32	38	0	0	0	0
Silver Bow	248	338	457	469	0	0	†	†
Stillwater	†	68	77	107	0	0	0	†
Sweet Grass	0	21	50	51	0	0	0	0
Teton	†	68	38	81	0	0	0	0
Toole	0	47	40	55	0	0	0	0
Treasure	0	11	†	9	0	0	0	0
Valley	93	64	88	103	0	0	0	0
Wheatland	0	17	24	33	0	0	0	0
Wibaux	0	9	23	23	0	0	0	0
Yellowstone	2,546	1,830	2,455	1,883	12	8	21	14
Not Stated	0	†	0	14	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, 1989-2020

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
2020	10,794	9,304	1,202	288	12,030	10,925	1,022	83	41	32	9	0	57	37	14	6	71	47	19	5
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
1996	10,840	9,471	1,208	161	7,696	7,352	317	27	56	48	7	†	75	64	10	†	81	71	8	†

* 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, 1989-2020

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
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, 2020

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	1,080,577	-	9,483	-	13,063	-	6,568	-	6,444	-	10,921	-	1,235	-
Natural Increase*	Natural Increase*	-1,236	-1.1	-44	-4.6	-15	‡	-16	‡	9	‡	-54	-4.9	-12	‡
Births - Residence	Live Births, Total	10,794	10.0	74	7.8	201	15.4	92	14.0	65	10.1	74	6.8	10	‡
	Live Births, Male	5,552	5.1	42	4.4	106	8.1	49	7.5	38	5.9	34	3.1	†	‡
	Live Births, Female	5,242	4.9	32	3.4	95	7.3	43	6.5	27	4.2	40	3.7	6	‡
Deaths - Residence	Deaths (Excluding Fetal), Total	12,030	11.1	118	12.4	216	16.5	108	16.4	56	8.7	128	11.7	22	17.8
	Deaths (Excluding Fetal), Male	6,620	6.1	61	6.4	126	9.6	57	8.7	32	5.0	61	5.6	10	‡
	Deaths (Excluding Fetal), Female	5,410	5.0	57	6.0	90	6.9	51	7.8	24	3.7	67	6.1	12	‡
Infant Mortality & Fetal Death - Residence**	Infant Deaths (Under 1 Year)	57	5.3	0	‡	†	‡	†	‡	0	‡	0	‡	0	‡
	Neonatal (Under 28 Days)	33	3.1	0	‡	†	‡	†	‡	0	‡	0	‡	0	‡
	Postneonatal (28 Days - 1 Year)	24	2.2	0	‡	†	‡	0	‡	0	‡	0	‡	0	‡
	Fetal	41	3.8	0	‡	†	‡	†	‡	0	‡	0	‡	0	‡
	Perinatal	74	6.9	0	‡	5	‡	†	‡	0	‡	0	‡	0	‡
Leading Causes of Death - Residence**	Heart Disease	2,423	224.2	24	253.1	26	199.0	17	‡	17	‡	27	247.2	9	‡
	Cancer	2,139	197.9	24	253.1	25	191.4	17	‡	13	‡	24	219.8	7	‡
	COVID-19	1,118	103.5	8	‡	61	467.0	24	365.4	†	‡	8	‡	0	‡
	Unintentional Injury	727	67.3	7	‡	22	168.4	7	‡	†	‡	9	‡	†	‡
	Chronic Lower Respiratory Disease	663	61.4	6	‡	8	‡	†	‡	†	‡	5	‡	0	‡
	Cerebrovascular Disease	453	41.9	6	‡	7	‡	†	‡	0	‡	6	‡	†	‡
	Alzheimer's Disease	347	32.1	†	‡	†	‡	†	‡	†	‡	7	‡	0	‡
	Diabetes Mellitus	342	31.6	5	‡	9	‡	†	‡	†	‡	†	‡	†	‡
	Suicide	300	27.8	†	‡	†	‡	†	‡	†	‡	†	‡	0	‡
	Chronic Liver Disease and Cirrhosis	236	21.8	0	‡	13	‡	6	‡	0	‡	†	‡	0	‡
Births - Occurrence	Live Births, Total	10,822	10.0	75	7.9	10	‡	†	‡	†	‡	†	‡	0	‡
Deaths - Occurrence	Deaths (Excluding Fetal), Total	12,010	11.1	110	11.6	113	8.7	58	8.8	45	7.0	102	9.3	16	‡
	Motor Vehicle Accidents	229	0.2	†	‡	17	‡	†	‡	†	‡	5	‡	0	‡
	Non-Motor Vehicle Accidents	524	0.5	6	‡	†	‡	†	‡	†	‡	†	‡	†	‡
Infant Death - Occurrence	Infant Deaths (Under 1 Year)	53	4.9	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡
Marriages - Occurrence	Marriages Solemnized	11,228	10.4	73	7.7	39	3.0	20	3.0	55	8.5	164	15.0	10	‡
	Licenses Issued	11,228	10.4	69	7.3	39	3.0	21	3.2	27	4.2	88	8.1	7	‡
Marital Terminations - Occurrence	Marital Terminations	2,539	2.3	18	‡	10	‡	7	‡	6	‡	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, 2020

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	81,346	-	5,699	-	11,292	-	1,638	-	8,555	-	9,204	-	2,826	-
Natural Increase*	Natural Increase*	-183	-2.2	-30	-5.3	-34	-3	-17	‡	-46	-5.4	-82	-8.9	-16	‡
Births - Residence	Live Births, Total	895	11.0	41	7.2	105	9.3	11	‡	89	10.4	69	7.5	23	8.1
	Live Births, Male	433	5.3	24	4.2	44	3.9	7	‡	44	5.1	29	3.2	11	‡
	Live Births, Female	462	5.7	17	‡	61	5.4	†	‡	45	5.3	40	4.3	12	‡
Deaths - Residence	Deaths (Excluding Fetal), Total	1,078	13.3	71	12.5	139	12.3	28	17.1	135	15.8	151	16.4	39	13.8
	Deaths (Excluding Fetal), Male	601	7.4	39	6.8	86	7.6	16	‡	79	9.2	91	9.9	16	‡
	Deaths (Excluding Fetal), Female	477	5.9	32	5.6	53	4.7	12	‡	56	6.5	60	6.5	23	8.1
Infant Mortality & Fetal Death - Residence**	Infant Deaths (Under 1 Year)	5	‡	0	‡	0	‡	0	‡	0	‡	†	‡	0	‡
	Neonatal (Under 28 Days)	†	‡	0	‡	0	‡	0	‡	0	‡	†	‡	0	‡
	Postneonatal (28 Days - 1 Year)	†	‡	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡
	Fetal	5	‡	0	‡	0	‡	0	‡	†	‡	0	‡	†	‡
	Perinatal	7	‡	0	‡	0	‡	0	‡	†	‡	†	‡	†	‡
Leading Causes of Death - Residence**	Heart Disease	184	226.2	10	‡	34	301.1	†	‡	12	‡	31	336.8	†	‡
	Cancer	171	210.2	17	‡	21	186.0	†	‡	20	233.8	20	217.3	5	‡
	COVID-19	137	168.4	†	‡	12	‡	†	‡	20	233.8	9	‡	†	‡
	Unintentional Injury	56	68.8	5	‡	8	‡	†	‡	7	‡	12	‡	†	‡
	Chronic Lower Respiratory Disease	86	105.7	†	‡	8	‡	6	‡	†	‡	20	217.3	10	‡
	Cerebrovascular Disease	26	32.0	†	‡	5	‡	†	‡	8	‡	7	‡	5	‡
	Alzheimer's Disease	26	32.0	†	‡	0	‡	†	‡	†	‡	†	‡	0	‡
	Diabetes Mellitus	29	35.7	†	‡	8	‡	†	‡	7	‡	5	‡	0	‡
	Suicide	28	34.4	0	‡	†	‡	0	‡	0	‡	7	‡	†	‡
	Chronic Liver Disease and Cirrhosis	22	27.0	†	‡	†	‡	0	‡	†	‡	†	‡	†	‡
Births - Occurrence	Live Births, Total	1,306	16.1	†	‡	176	15.6	0	‡	61	7.1	150	16.3	0	‡
Deaths - Occurrence	Deaths (Excluding Fetal), Total	1,325	16.3	45	7.9	123	10.9	23	14.0	115	13.4	143	15.5	38	13.4
	Motor Vehicle Accidents	19	‡	5	‡	†	‡	†	‡	†	‡	†	‡	0	‡
	Non-Motor Vehicle Accidents	47	0.6	0	‡	7	‡	†	‡	5	‡	5	‡	0	‡
Infant Death - Occurrence	Infant Deaths (Under 1 Year)	6	‡	0	‡	0	‡	0	‡	0	‡	†	‡	0	‡
Marriages - Occurrence	Marriages Solemnized	472	5.8	30	5.3	72	6.4	5	‡	39	4.6	57	6.2	18	‡
	Licenses Issued	541	6.7	19	‡	66	5.8	6	‡	41	4.8	51	5.5	19	‡
Marital Terminations - Occurrence	Marital Terminations	215	2.6	5	‡	31	2.7	8	‡	0	‡	15	‡	†	‡

* 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, 2020

Item		Fergus		Flathead		Gallatin		Garfield		Glacier		Golden		Granite	
		Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Population	Population	11,104	-	105,851	-	116,806	-	1,268	-	13,594	-	827	-	3,317	-
Natural Increase*	Natural Increase*	-61	-5.5	-71	-0.7	516	4.4	†	‡	9	‡	-6	‡	†	‡
Births - Residence	Live Births, Total	117	10.5	1,068	10.1	1,145	9.8	15	‡	189	13.9	9	‡	27	8.1
	Live Births, Male	54	4.9	539	5.1	601	5.1	8	‡	108	7.9	†	‡	16	‡
	Live Births, Female	63	5.7	529	5.0	544	4.7	7	‡	81	6.0	7	‡	11	‡
Deaths - Residence	Deaths (Excluding Fetal), Total	178	16.0	1,139	10.8	629	5.4	13	‡	180	13.2	15	‡	29	8.7
	Deaths (Excluding Fetal), Male	99	8.9	645	6.1	325	2.8	10	‡	104	7.7	13	‡	17	‡
	Deaths (Excluding Fetal), Female	79	7.1	494	4.7	304	2.6	†	‡	76	5.6	†	‡	12	‡
Infant Mortality & Fetal Death - Residence**	Infant Deaths (Under 1 Year)	0	‡	7	‡	†	‡	0	‡	†	‡	0	‡	0	‡
	Neonatal (Under 28 Days)	0	‡	†	‡	†	‡	0	‡	†	‡	0	‡	0	‡
	Postneonatal (28 Days - 1 Year)	0	‡	†	‡	0	‡	0	‡	0	‡	0	‡	0	‡
	Fetal	†	‡	†	‡	†	‡	0	‡	0	‡	0	‡	0	‡
	Perinatal	†	‡	5	‡	†	‡	0	‡	†	‡	0	‡	0	‡
Leading Causes of Death - Residence**	Heart Disease	46	414.3	223	210.7	122	104.4	†	‡	25	183.9	6	‡	8	‡
	Cancer	30	270.2	213	201.2	140	119.9	†	‡	17	‡	†	‡	†	‡
	COVID-19	15	‡	62	58.6	40	34.2	†	‡	42	309.0	†	‡	†	‡
	Unintentional Injury	14	‡	69	65.2	34	29.1	0	‡	10	‡	0	‡	†	‡
	Chronic Lower Respiratory Disease	13	‡	65	61.4	23	19.7	0	‡	5	‡	†	‡	0	‡
	Cerebrovascular Disease	8	‡	55	52.0	17	‡	†	‡	5	‡	0	‡	†	‡
	Alzheimer's Disease	5	‡	31	29.3	24	20.5	0	‡	†	‡	0	‡	†	‡
	Diabetes Mellitus	†	‡	30	28.3	9	‡	0	‡	5	‡	0	‡	†	‡
	Suicide	†	‡	31	29.3	28	24.0	0	‡	†	‡	†	‡	0	‡
	Chronic Liver Disease and Cirrhosis	0	‡	23	21.7	7	‡	0	‡	17	‡	0	‡	0	‡
Births - Occurrence	Live Births, Total	95	8.6	1,206	11.4	1,231	10.5	0	‡	85	6.3	0	‡	†	‡
Deaths - Occurrence	Deaths (Excluding Fetal), Total	170	15.3	1,253	11.8	643	5.5	15	‡	103	7.6	12	‡	34	10.3
	Motor Vehicle Accidents	†	‡	20	0.2	6	‡	†	‡	†	‡	†	‡	5	‡
	Non-Motor Vehicle Accidents	†	‡	56	0.5	22	0.2	0	‡	8	‡	0	‡	†	‡
Infant Death - Occurrence	Infant Deaths (Under 1 Year)	0	‡	10	‡	†	‡	0	‡	†	‡	0	‡	0	‡
Marriages - Occurrence	Marriages Solemnized	75	6.8	5,484	51.8	840	7.2	7	‡	79	5.8	†	‡	30	9.0
	Licenses Issued	65	5.9	5,455	51.5	907	7.8	7	‡	48	3.5	†	‡	24	7.2
Marital Terminations - Occurrence	Marital Terminations	30	2.7	236	2.2	243	2.1	†	‡	14	‡	0	‡	8	‡

* 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, 2020

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	16,358	-	12,360	-	1,994	-	30,986	-	70,229	-	2,369	-	20,343	-
Natural Increase*	Natural Increase*	16	‡	-63	-5.1	8	‡	-78	-2.5	-12	‡	5	‡	-145	-7.1
Births - Residence	Live Births, Total	211	12.9	92	7.4	24	12.0	289	9.3	698	9.9	26	11.0	147	7.2
	Live Births, Male	107	6.5	56	4.5	13	‡	137	4.4	383	5.5	17	‡	77	3.8
	Live Births, Female	104	6.4	36	2.9	11	‡	152	4.9	315	4.5	9	‡	70	3.4
Deaths - Residence	Deaths (Excluding Fetal), Total	195	11.9	155	12.5	16	‡	367	11.8	710	10.1	21	8.9	292	14.4
	Deaths (Excluding Fetal), Male	104	6.4	95	7.7	9	‡	202	6.5	384	5.5	11	‡	175	8.6
	Deaths (Excluding Fetal), Female	91	5.6	60	4.9	7	‡	165	5.3	326	4.6	10	‡	117	5.8
Infant Mortality & Fetal Death - Residence**	Infant Deaths (Under 1 Year)	†	‡	0	‡	0	‡	†	‡	†	‡	0	‡	0	‡
	Neonatal (Under 28 Days)	†	‡	0	‡	0	‡	†	‡	0	‡	0	‡	0	‡
	Postneonatal (28 Days - 1 Year)	0	‡	0	‡	0	‡	†	‡	†	‡	0	‡	0	‡
	Fetal	0	‡	0	‡	0	‡	0	‡	†	‡	0	‡	0	‡
	Perinatal	†	‡	0	‡	0	‡	†	‡	†	‡	0	‡	0	‡
Leading Causes of Death - Residence**	Heart Disease	46	281.2	48	388.3	†	‡	81	261.4	130	185.1	10	‡	63	309.7
	Cancer	24	146.7	37	299.4	†	‡	64	206.5	137	195.1	†	‡	52	255.6
	COVID-19	34	207.8	8	‡	†	‡	23	74.2	49	69.8	†	‡	12	‡
	Unintentional Injury	12	‡	9	‡	0	‡	20	64.5	35	49.8	†	‡	16	‡
	Chronic Lower Respiratory Disease	5	‡	7	‡	0	‡	21	67.8	40	57.0	0	‡	18	‡
	Cerebrovascular Disease	11	‡	7	‡	†	‡	17	‡	32	45.6	†	‡	6	‡
	Alzheimer's Disease	†	‡	†	‡	0	‡	†	‡	39	55.5	†	‡	5	‡
	Diabetes Mellitus	†	‡	5	‡	†	‡	†	‡	26	37.0	†	‡	9	‡
	Suicide	5	‡	6	‡	0	‡	10	‡	19	‡	0	‡	11	‡
	Chronic Liver Disease and Cirrhosis	5	‡	†	‡	0	‡	9	‡	11	‡	0	‡	†	‡
Births - Occurrence	Live Births, Total	274	16.8	0	‡	0	‡	207	6.7	740	10.5	†	‡	99	4.9
Deaths - Occurrence	Deaths (Excluding Fetal), Total	181	11.1	101	8.2	14	‡	280	9.0	716	10.2	17	‡	242	11.9
	Motor Vehicle Accidents	†	‡	7	‡	†	‡	8	‡	†	‡	0	‡	†	‡
	Non-Motor Vehicle Accidents	7	‡	6	‡	0	‡	11	‡	29	0.4	†	‡	6	‡
Infant Death - Occurrence	Infant Deaths (Under 1 Year)	†	‡	0	‡	0	‡	†	‡	†	‡	0	‡	0	‡
Marriages - Occurrence	Marriages Solemnized	71	4.3	63	5.1	8	‡	199	6.4	377	5.4	5	‡	127	6.2
	Licenses Issued	79	4.8	33	2.7	10	‡	136	4.4	405	5.8	5	‡	98	4.8
Marital Terminations - Occurrence	Marital Terminations	40	2.4	24	1.9	†	‡	55	1.8	216	3.1	†	‡	74	3.6

* 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.

† Frequency is fewer than five.

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Table S-4

Selected Vital Statistics

Frequencies and Rates or Ratios by County

Montana, 2020

Item		McCone		Madison		Meagher		Mineral		Missoula		Musselshell		Park	
		Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Population	Population	1,648	-	8,959	-	1,831	-	4,544	-	121,630	-	4,669	-	16,760	-
Natural Increase*	Natural Increase*	0	‡	-45	-5	-5	‡	-24	-5.3	65	0.5	-27	-5.8	-53	-3.2
Births - Residence	Live Births, Total	14	‡	59	6.6	15	‡	39	8.6	1,064	8.7	45	9.6	141	8.4
	Live Births, Male	6	‡	30	3.3	7	‡	17	‡	543	4.5	22	4.7	72	4.3
	Live Births, Female	8	‡	29	3.2	8	‡	22	4.8	521	4.3	23	4.9	69	4.1
Deaths - Residence	Deaths (Excluding Fetal), Total	14	‡	104	11.6	20	10.9	63	13.9	999	8.2	72	15.4	194	11.6
	Deaths (Excluding Fetal), Male	7	‡	61	6.8	10	‡	37	8.1	535	4.4	35	7.5	111	6.6
	Deaths (Excluding Fetal), Female	7	‡	43	4.8	10	‡	26	5.7	464	3.8	37	7.9	83	5.0
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	‡
	Fetal	0	‡	0	‡	0	‡	†	‡	6	‡	†	‡	0	‡
	Perinatal	0	‡	†	‡	0	‡	†	‡	7	‡	†	‡	†	‡
Leading Causes of Death - Residence**	Heart Disease	†	‡	25	279.0	5	‡	15	‡	235	193.2	12	‡	41	244.6
	Cancer	†	‡	13	‡	†	‡	21	462.1	185	152.1	18	‡	43	256.6
	COVID-19	0	‡	8	‡	7	‡	†	‡	56	46.0	9	‡	7	‡
	Unintentional Injury	†	‡	†	‡	0	‡	†	‡	62	51.0	6	‡	11	‡
	Chronic Lower Respiratory Disease	†	‡	10	‡	0	‡	†	‡	43	35.4	†	‡	12	‡
	Cerebrovascular Disease	†	‡	5	‡	†	‡	†	‡	39	32.1	†	‡	9	‡
	Alzheimer's Disease	0	‡	9	‡	0	‡	†	‡	49	40.3	†	‡	10	‡
	Diabetes Mellitus	0	‡	†	‡	0	‡	†	‡	15	‡	0	‡	†	‡
	Suicide	0	‡	†	‡	0	‡	†	‡	26	21.4	†	‡	7	‡
	Chronic Liver Disease and Cirrhosis	0	‡	†	‡	0	‡	†	‡	18	‡	0	‡	†	‡
Births - Occurrence	Live Births, Total	0	‡	†	‡	0	‡	†	‡	1,576	13.0	0	‡	110	6.6
Deaths - Occurrence	Deaths (Excluding Fetal), Total	14	‡	88	9.8	15	‡	51	11.2	1,192	9.8	63	13.5	166	9.9
	Motor Vehicle Accidents	†	‡	0	‡	0	‡	†	‡	24	0.2	†	‡	7	‡
	Non-Motor Vehicle Accidents	†	‡	†	‡	0	‡	†	‡	57	0.5	†	‡	7	‡
Infant Death - Occurrence	Infant Deaths (Under 1 Year)	0	‡	†	‡	0	‡	0	‡	†	‡	0	‡	0	‡
Marriages - Occurrence	Marriages Solemnized	6	‡	64	7.1	23	12.6	50	11.0	634	5.2	22	4.7	226	13.5
	Licenses Issued	9	‡	43	4.8	10	‡	22	4.8	788	6.5	20	4.3	160	9.5
Marital Terminations - Occurrence	Marital Terminations	6	‡	20	2.2	†	‡	6	‡	347	2.9	5	‡	74	4.4

* 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, 2020

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	500	-	3,919	-	5,782	-	1,681	-	6,817	-	1,067	-	45,002	-
Natural Increase*	Natural Increase*	†	‡	-13	‡	-10	‡	-5	‡	-53	-7.8	-12	‡	-186	-4.1
Births - Residence	Live Births, Total	7	‡	45	11.5	64	11.1	15	‡	42	6.2	8	‡	374	8.3
	Live Births, Male	†	‡	27	6.9	33	5.7	7	‡	19	‡	†	‡	189	4.2
	Live Births, Female	†	‡	18	‡	31	5.4	8	‡	23	3.4	†	‡	185	4.1
Deaths - Residence	Deaths (Excluding Fetal), Total	5	‡	58	14.8	74	12.8	20	11.9	95	13.9	20	18.7	560	12.4
	Deaths (Excluding Fetal), Male	†	‡	33	8.4	38	6.6	10	‡	65	9.5	15	‡	289	6.4
	Deaths (Excluding Fetal), Female	†	‡	25	6.4	36	6.2	10	‡	30	4.4	5	‡	271	6.0
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	‡
	Postneonatal (28 Days - 1 Year)	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡
	Fetal	0	‡	0	‡	0	‡	0	‡	†	‡	0	‡	†	‡
	Perinatal	0	‡	0	‡	†	‡	0	‡	†	‡	0	‡	†	‡
Leading Causes of Death - Residence**	Heart Disease	†	‡	8	‡	15	‡	†	‡	17	‡	†	‡	125	277.8
	Cancer	†	‡	9	‡	13	‡	5	‡	17	‡	5	‡	119	264.4
	COVID-19	†	‡	12	‡	†	‡	5	‡	5	‡	†	‡	35	77.8
	Unintentional Injury	0	‡	†	‡	†	‡	†	‡	5	‡	0	‡	39	86.7
	Chronic Lower Respiratory Disease	†	‡	†	‡	†	‡	†	‡	11	‡	†	‡	27	60.0
	Cerebrovascular Disease	0	‡	0	‡	†	‡	†	‡	†	‡	0	‡	20	44.4
	Alzheimer's Disease	0	‡	0	‡	†	‡	†	‡	†	‡	†	‡	19	‡
	Diabetes Mellitus	0	‡	6	‡	5	‡	0	‡	†	‡	0	‡	13	‡
	Suicide	0	‡	0	‡	†	‡	0	‡	5	‡	0	‡	15	‡
	Chronic Liver Disease and Cirrhosis	0	‡	†	‡	†	‡	0	‡	†	‡	†	‡	11	‡
Births - Occurrence	Live Births, Total	0	‡	0	‡	†	‡	0	‡	†	‡	0	‡	151	3.4
Deaths - Occurrence	Deaths (Excluding Fetal), Total	†	‡	40	10.2	54	9.3	14	‡	76	11.1	19	‡	466	10.4
	Motor Vehicle Accidents	0	‡	0	‡	†	‡	†	‡	†	‡	†	‡	†	‡
	Non-Motor Vehicle Accidents	0	‡	†	‡	†	‡	0	‡	5	‡	0	‡	26	0.6
Infant Death - Occurrence	Infant Deaths (Under 1 Year)	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡
Marriages - Occurrence	Marriages Solemnized	†	‡	24	6.1	15	‡	8	‡	33	4.8	†	‡	273	6.1
	Licenses Issued	†	‡	25	6.4	17	‡	11	‡	27	4.0	6	‡	222	4.9
Marital Terminations - Occurrence	Marital Terminations	0	‡	7	‡	10	‡	†	‡	†	‡	0	‡	118	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.

† 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, 2020

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	11,043	-	10,964	-	8,836	-	12,157	-	3,261	-	35,180	-	9,888	-
Natural Increase*	Natural Increase*	41	3.7	-9	‡	-21	-2.4	-98	-8.1	-7	‡	-131	-3.7	-39	-3.9
Births - Residence	Live Births, Total	155	14.0	187	17.1	117	13.2	92	7.6	31	9.5	338	9.6	68	6.9
	Live Births, Male	81	7.3	104	9.5	73	8.3	46	3.8	22	6.7	158	4.5	34	3.4
	Live Births, Female	74	6.7	83	7.6	44	5.0	46	3.8	9	‡	180	5.1	34	3.4
Deaths - Residence	Deaths (Excluding Fetal), Total	114	10.3	196	17.9	138	15.6	190	15.6	38	11.7	469	13.3	107	10.8
	Deaths (Excluding Fetal), Male	70	6.3	107	9.8	80	9.1	113	9.3	15	‡	264	7.5	64	6.5
	Deaths (Excluding Fetal), Female	44	4.0	89	8.1	58	6.6	77	6.3	23	7.1	205	5.8	43	4.3
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	‡	†	‡	†	‡
Leading Causes of Death - Residence**	Heart Disease	19	‡	21	191.5	17	‡	38	312.6	9	‡	126	358.2	25	252.8
	Cancer	25	226.4	23	209.8	14	‡	39	320.8	9	‡	74	210.3	19	‡
	COVID-19	15	‡	45	410.4	35	396.1	14	‡	†	‡	53	150.7	9	‡
	Unintentional Injury	6	‡	14	‡	11	‡	13	‡	†	‡	27	76.7	7	‡
	Chronic Lower Respiratory Disease	†	‡	9	‡	†	‡	10	‡	†	‡	28	79.6	7	‡
	Cerebrovascular Disease	†	‡	6	‡	†	‡	7	‡	†	‡	10	‡	†	‡
	Alzheimer's Disease	†	‡	†	‡	0	‡	†	‡	†	‡	17	‡	†	‡
	Diabetes Mellitus	†	‡	16	‡	12	‡	13	‡	†	‡	6	‡	†	‡
	Suicide	6	‡	†	‡	†	‡	7	‡	0	‡	7	‡	†	‡
	Chronic Liver Disease and Cirrhosis	†	‡	12	‡	5	‡	5	‡	0	‡	12	‡	0	‡
Births - Occurrence	Live Births, Total	228	20.6	94	8.6	8	‡	31	2.5	†	‡	248	7.0	†	‡
Deaths - Occurrence	Deaths (Excluding Fetal), Total	91	8.2	131	11.9	71	8.0	134	11.0	32	9.8	457	13.0	77	7.8
	Motor Vehicle Accidents	0	‡	†	‡	8	‡	†	‡	0	‡	†	‡	6	‡
	Non-Motor Vehicle Accidents	†	‡	9	‡	†	‡	8	‡	†	‡	17	‡	†	‡
Infant Death - Occurrence	Infant Deaths (Under 1 Year)	0	‡	†	‡	0	‡	†	‡	0	‡	†	‡	0	‡
Marriages - Occurrence	Marriages Solemnized	62	5.6	43	3.9	21	2.4	63	5.2	16	‡	154	4.4	66	6.7
	Licenses Issued	76	6.9	35	3.2	21	2.4	56	4.6	18	‡	189	5.4	41	4.1
Marital Terminations - Occurrence	Marital Terminations	32	2.9	11	‡	20	2.3	32	2.6	12	‡	88	2.5	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, 2020

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	3,684	-	6,249	-	4,686	-	695	-	7,359	-	2,157	-	939	-
Natural Increase*	Natural Increase*	-30	-8.1	-13	‡	-8	‡	†	‡	-39	-5.3	-16	‡	-14	‡
Births - Residence	Live Births, Total	21	5.7	68	10.9	47	10.0	11	‡	64	8.7	17	‡	9	‡
	Live Births, Male	13	‡	35	5.6	26	5.5	†	‡	31	4.2	7	‡	5	‡
	Live Births, Female	8	‡	33	5.3	21	4.5	9	‡	33	4.5	10	‡	†	‡
Deaths - Residence	Deaths (Excluding Fetal), Total	51	13.8	81	13.0	55	11.7	9	‡	103	14.0	33	15.3	23	24.5
	Deaths (Excluding Fetal), Male	28	7.6	45	7.2	29	6.2	†	‡	61	8.3	20	9.3	9	‡
	Deaths (Excluding Fetal), Female	23	6.2	36	5.8	26	5.5	7	‡	42	5.7	13	‡	14	‡
Infant Mortality & Fetal Death - Residence**	Infant Deaths (Under 1 Year)	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡
	Neonatal (Under 28 Days)	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡
	Postneonatal (28 Days - 1 Year)	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡
	Fetal	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡
	Perinatal	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡
Leading Causes of Death - Residence**	Heart Disease	11	‡	17	‡	15	‡	†	‡	23	312.5	10	‡	6	‡
	Cancer	11	‡	15	‡	11	‡	†	‡	21	285.4	5	‡	†	‡
	COVID-19	5	‡	†	‡	7	‡	†	‡	17	‡	†	‡	†	‡
	Unintentional Injury	†	‡	8	‡	†	‡	0	‡	7	‡	†	‡	†	‡
	Chronic Lower Respiratory Disease	†	‡	†	‡	†	‡	†	‡	5	‡	†	‡	0	‡
	Cerebrovascular Disease	†	‡	†	‡	†	‡	0	‡	†	‡	†	‡	†	‡
	Alzheimer's Disease	0	‡	†	‡	0	‡	0	‡	6	‡	0	‡	†	‡
	Diabetes Mellitus	0	‡	†	‡	†	‡	0	‡	†	‡	0	‡	0	‡
	Suicide	0	‡	†	‡	0	‡	0	‡	0	‡	†	‡	0	‡
	Chronic Liver Disease and Cirrhosis	†	‡	0	‡	0	‡	†	‡	†	‡	0	‡	0	‡
Births - Occurrence	Live Births, Total	0	‡	†	‡	0	‡	0	‡	93	12.6	0	‡	0	‡
Deaths - Occurrence	Deaths (Excluding Fetal), Total	50	13.6	38	6.1	40	8.5	†	‡	88	12.0	24	11.1	23	24.5
	Motor Vehicle Accidents	†	‡	†	‡	0	‡	0	‡	†	‡	0	‡	0	‡
	Non-Motor Vehicle Accidents	†	‡	†	‡	†	‡	0	‡	8	‡	†	‡	0	‡
Infant Death - Occurrence	Infant Deaths (Under 1 Year)	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡	0	‡
Marriages - Occurrence	Marriages Solemnized	29	7.9	28	4.5	16	‡	8	‡	41	5.6	17	‡	5	‡
	Licenses Issued	26	7.1	29	4.6	19	‡	9	‡	44	6.0	7	‡	6	‡
Marital Terminations - Occurrence	Marital Terminations	15	‡	11	‡	12	‡	0	‡	10	‡	†	‡	†	‡

* 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, 2020

Item		Yellowstone	
		Number	Rate
Population	Population	162,990	-
Natural Increase*	Natural Increase*	-53	-0.3
Births - Residence	Live Births, Total	1,830	11.2
	Live Births, Male	951	5.8
	Live Births, Female	879	5.4
Deaths - Residence	Deaths (Excluding Fetal), Total	1,883	11.6
	Deaths (Excluding Fetal), Male	987	6.1
	Deaths (Excluding Fetal), Female	896	5.5
Infant Mortality & Fetal Death - Residence**	Infant Deaths (Under 1 Year)	14	‡
	Neonatal (Under 28 Days)	5	‡
	Postneonatal (28 Days - 1 Year)	9	‡
	Fetal	8	‡
	Perinatal	13	‡
Leading Causes of Death - Residence**	Heart Disease	361	221.5
	Cancer	317	194.5
	COVID-19	171	104.9
	Unintentional Injury	117	71.8
	Chronic Lower Respiratory Disease	106	65.0
	Cerebrovascular Disease	82	50.3
	Alzheimer's Disease	43	26.4
	Diabetes Mellitus	51	31.3
	Suicide	37	22.7
	Chronic Liver Disease and Cirrhosis	29	17.8
Births - Occurrence	Live Births, Total	2,546	15.6
Deaths - Occurrence	Deaths (Excluding Fetal), Total	2,455	15.1
	Motor Vehicle Accidents	33	0.2
	Non-Motor Vehicle Accidents	118	0.7
Infant Death - Occurrence	Infant Deaths (Under 1 Year)	21	8.2
Marriages - Occurrence	Marriages Solemnized	853	5.2
	Licenses Issued	1,021	6.3
Marital Terminations - Occurrence	Marital Terminations	404	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, 1991-2020

Year			Age						
			All Ages	Younger Than 20	20-24	25-29	30-34	35 And Older	Not Stated
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
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

* 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, 1991-2020

Year			Age						
			All Ages	Younger Than 20	20-24	25-29	30-34	35 And Older	Not Stated
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
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

* 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, 1991-2020

Year			Age						
			All Ages	Younger Than 20	20-24	25-29	30-34	35 And Older	Not Stated
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
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

* 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, 1991-2020

Year			Age						
			All Ages	Younger Than 20	20-24	25-29	30-34	35 And Older	Not Stated
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	‡
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

* 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, 1991-2020

Year			Age						
			All Ages	Younger Than 20	20-24	25-29	30-34	35 And Older	Not Stated
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
1991	Live Births	Number	11,498	1,331	3,197	3,379	2,456	1,134	†
		Rate*	64.7	47.4	133.3	129.0	73.3	17.1	‡
	Fetal Deaths	Number	78	13	12	21	18	13	†
		Rate*	0.4	‡	‡	0.8	‡	‡	‡
	Induced Abortions	Number	2,376	600	767	443	325	241	0
		Rate*	13.3	21.4	31.9	16.9	9.7	3.6	0

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

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

† Frequency is fewer than five.

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

Table P-1

Resident Population by County

Montana, 2006-2020

County	Year														
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Montana Total	952,692	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	1,080,577
Beaverhead	9,012	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	9,483
Big Horn	12,540	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	13,063
Blaine	6,536	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	6,568
Broadwater	4,958	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	6,444
Carbon	9,916	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	10,921
Carter	1,227	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	1,235
Cascade	79,984	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	81,346
Chouteau	5,709	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	5,699
Custer	11,395	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	11,292
Daniels	1,748	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	1,638
Dawson	8,853	8,944	8,925	9,008	8,952	9,030	9,238	9,392	9,518	9,591	9,279	8,966	8,683	8,638	8,555
Deer Lodge	9,180	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	9,204
Fallon	2,722	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	2,826
Fergus	11,501	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	11,104
Flathead	85,759	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	105,851
Gallatin	83,984	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	116,806
Garfield	1,233	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	1,268
Glacier	13,250	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	13,594
Golden	973	964	890	897	879	830	827	846	841	818	811	817	825	827	827
Granite	3,013	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	3,317
Hill	15,981	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	16,358
Jefferson	10,801	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	12,360
Judith Basin	2,146	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	1,994
Lake	28,283	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	30,986
Lewis & Clark	59,529	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	70,229
Liberty	2,216	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	2,369
Lincoln	19,228	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	20,343
McCone	1,765	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	1,648
Madison	7,343	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	8,959
Meagher	1,923	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	1,831
Mineral	4,211	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	4,544
Missoula	104,372	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	121,630
Musselshell	4,398	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	4,669
Park	15,690	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	16,760
Petroleum	495	470	481	488	489	491	505	505	489	475	491	512	517	497	500
Phillips	4,166	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	3,919
Pondera	6,172	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	5,782
Powder River	1,794	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	1,681
Powell	7,115	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	6,817
Prairie	1,098	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	1,067
Ravalli	39,555	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	45,002
Richland	9,267	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	11,043
Roosevelt	10,285	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	10,964
Rosebud	9,057	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	8,836
Sanders	11,178	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	12,157
Sheridan	3,507	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	3,261
Silver Bow	33,441	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	35,180
Stillwater	8,659	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	9,888
Sweet Grass	3,697	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	3,684
Teton	6,110	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	6,249
Toole	5,085	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	4,686
Treasure	759	748	754	720	714	709	717	688	684	680	678	668	667	697	695
Valley	7,272	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	7,359
Wheatland	2,035	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	2,157
Wibaux	984	1,014	986	1,030	1,008	982	1,034	1,101	1,084	1,071	1,043	1,019	1,029	954	939
Yellowstone	139,582	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	162,990

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 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, 2012-2020

Item	Year																	
	2012		2013		2014		2015		2016		2017		2018		2019		2020	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Montana Total	12,052	100.0%	12,351	100.0%	12,431	100.0%	12,580	100.0%	12,052	100.0%	12,351	100.0%	12,431	100.0%	12,580	100.0%	10,794	100.0%
Sex																		
Male	6,159	51.1%	6,346	51.3%	6,322	50.8%	6,389	50.7%	6,159	51.1%	6,346	51.3%	6,322	50.8%	6,389	50.7%	5,552	51.4%
Female	5,893	48.8%	6,004	48.6%	6,109	49.1%	6,191	49.2%	5,893	48.8%	6,004	48.6%	6,109	49.1%	6,191	49.2%	5,242	48.5%
Unknown	0	0.0%	1	0.0%	0	0.0%	0	0.0%	0	0.0%	1	0.0%	0	0.0%	0	0.0%	0	0.0%
Plurality																		
Single	11,664	96.7%	11,979	96.9%	12,002	96.5%	12,142	96.5%	11,664	96.7%	11,979	96.9%	12,002	96.5%	12,142	96.5%	10,463	96.9%
Twins	372	3.0%	359	2.9%	420	3.3%	432	3.4%	372	3.0%	359	2.9%	420	3.3%	432	3.4%	320	2.9%
Triplets or more	16	0.1%	12	0.0%	8	0.0%	6	0.0%	16	0.1%	12	0.0%	8	0.0%	6	0.0%	10	0.0%
Not Stated	0	0.0%	1	0.0%	1	0.0%	0	0.0%	0	0.0%	1	0.0%	1	0.0%	0	0.0%	1	0.0%
Parity																		
First Birth	4,661	38.6%	4,647	37.6%	4,619	37.1%	4,680	37.2%	4,661	38.6%	4,647	37.6%	4,619	37.1%	4,680	37.2%	4,021	37.2%
Second Birth	3,666	30.4%	3,803	30.7%	3,825	30.7%	3,876	30.8%	3,666	30.4%	3,803	30.7%	3,825	30.7%	3,876	30.8%	3,304	30.6%
Third Birth	2,051	17.0%	2,145	17.3%	2,160	17.3%	2,132	16.9%	2,051	17.0%	2,145	17.3%	2,160	17.3%	2,132	16.9%	1,878	17.3%
Fourth Birth	959	7.9%	975	7.8%	1,020	8.2%	1,069	8.4%	959	7.9%	975	7.8%	1,020	8.2%	1,069	8.4%	838	7.7%
Fifth Birth	379	3.1%	430	3.4%	438	3.5%	450	3.5%	379	3.1%	430	3.4%	438	3.5%	450	3.5%	394	3.6%
Sixth Birth	176	1.4%	193	1.5%	169	1.3%	190	1.5%	176	1.4%	193	1.5%	169	1.3%	190	1.5%	189	1.7%
Seventh Birth	65	0.5%	78	0.6%	99	0.7%	89	0.7%	65	0.5%	78	0.6%	99	0.7%	89	0.7%	81	0.7%
Eighth Birth	43	0.3%	33	0.2%	40	0.3%	38	0.3%	43	0.3%	33	0.2%	40	0.3%	38	0.3%	28	0.2%
Ninth or More	36	0.2%	42	0.3%	53	0.4%	53	0.4%	36	0.2%	42	0.3%	53	0.4%	53	0.4%	58	0.5%
Not Stated	16	0.1%	5	0.0%	8	0.0%	3	0.0%	16	0.1%	5	0.0%	8	0.0%	3	0.0%	3	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, 1991-2020

Year and Facility		All Births	Attendant				
			Doctor of Medicine	Doctor of Osteopathy	Certified Nurse Midwife	Other Midwife	Other or Unspecified
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
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

*Hospital Births Include Infants Born on Arrival

Table B-2

Frequency of Live Births
by Type of Facility* and Attendant
Montana Occurrences, 1991-2020

Year and Facility		All Births	Attendant				
			Doctor of Medicine	Doctor of Osteopathy	Certified Nurse Midwife	Other Midwife	Other or Unspecified
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
1991	Hospital	10,941	0	0	0	0	10,941
	Freestanding Birthing Center	3	0	0	0	0	3
	Residence	297	0	0	0	0	297
	Other or Unspecified	53	0	0	0	0	53

*Hospital Births Include Infants Born on Arrival

Table B-3

Frequency and Percent* Distribution of Live Births
by Birth Weight and Year
Montana Residents, 1989-2020

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
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, 1989-2020

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.
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, 1989-2020

Year	Total	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	No Care	Not Stated
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, 2020

Cause of Death*	All Ages			Age in Years and Sex																					
				0 YR.		1 YR.		2-4		5-9		10-14		15-17		18-19		20-24		25-29		30-34	
	Both	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
All Causes**	12,030	6,620	5,410	31	26	1	3	6	5	6	5	5	9	18	13	14	7	71	22	69	29	86	55
I. Certain infectious and parasitic diseases	1,309	734	575	1	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1	0	4	2
Intestinal infectious diseases	22	9	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other intestinal infectious diseases	12	5	7	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	12	5	7	0	0	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	4	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tuberculosis	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(9) Respiratory tuberculosis	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Zoonotic and other bacterial diseases	118	65	53	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
(18) Septicemia	101	52	49	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
(19) Other zoonotic and bacterial diseases	17	13	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other infections caused by spirochetes, chlamydia or rickettsia	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(27) All other infections caused by spirochetes, chlamydia or rickettsia	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Viral diseases	1,161	654	507	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	4	2
(33) Herpesviral (herpes simplex) infections	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(34) Zoster (herpes zoster)	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(38) Viral hepatitis	20	12	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Human immunodeficiency virus (HIV) disease	4	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(39) Human immunodeficiency virus (HIV) disease resulting in infectious and parasitic diseases	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(40) Human immunodeficiency virus (HIV) disease resulting in malignant neoplasms	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(41) Human immunodeficiency virus (HIV) disease resulting in other specified diseases	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(43) Unspecified human immunodeficiency virus (HIV) disease	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(44) All other and unspecified viral diseases	1,135	639	496	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	4	2
Other and unspecified infectious and parasitic diseases and their sequelae	4	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(45) Mycoses	2	1	1	0	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	2	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
II. Neoplasms	2,200	1,207	993	0	0	0	0	1	0	0	1	0	0	1	1	0	1	1	1	1	1	6	3
Malignant neoplasms	2,139	1,173	966	0	0	0	0	1	0	0	1	0	0	1	1	0	1	1	1	1	1	6	3
Malignant neoplasms of lip, oral cavity and pharynx	47	25	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(56) Of lip	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(57) Of tongue	11	3	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(58) Of pharynx	12	7	5	0	0	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	23	15	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malignant neoplasms of digestive organs	528	311	217	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
(60) Of esophagus	62	52	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(61) Of stomach	19	13	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(62) Of small intestine	3	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Of colon, rectum and anus	165	93	72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
(63) Colon	112	65	47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(64) Rectosigmoid junction and rectum	50	28	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
(65) Anus and anal canal	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

* Line numbers shown in parentheses on this table correspond to those in the NCHS Instruction Manual Part 9.

Table D-1

Frequency of Death by Sex, Age, and 358 Selected Underlying Causes

Montana Residents, 2020

Cause of Death*	All Ages			Age in Years and Sex																			
				0 YR.		1 YR.		2-4		5-9		10-14		15-17		18-19		20-24		25-29		30-34	
	Both	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Of liver and intrahepatic bile ducts	115	69	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
(66) Liver	83	54	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
(67) Intrahepatic bile duct carcinoma	32	15	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(68) Of gallbladder and extrahepatic bile ducts	7	2	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(69) Of pancreas	145	77	68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(70) Of other and ill-defined digestive organs	12	4	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malignant neoplasms of respiratory and intrathoracic organs	452	238	214	0	0	0	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	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(72) Of larynx	14	11	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(73) Of trachea, bronchus and lung	431	221	210	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(74) Of thymus, heart, mediastinum and pleura	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(76) Malignant neoplasms of bone and articular cartilage	4	1	3	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
Melanoma and other malignant neoplasms of skin	44	30	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(77) Malignant melanoma of skin	30	19	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(78) Other malignant neoplasms of skin	14	11	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malignant neoplasms of mesothelial and soft tissue	40	22	18	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0
(79) Mesothelioma	14	10	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(80) Kaposi's sarcoma	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(81) Of other mesothelial and soft tissue	25	12	13	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0
(82) Malignant neoplasm of breast	138	2	136	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Malignant neoplasms of female genital organs	98	0	98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(83) Of vulva and vagina	6	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(84) Of cervix uteri	10	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(85) Of corpus uteri and uterus, part unspecified	41	0	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(86) Of ovary	38	0	38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(87) Of other and unspecified female genital organs	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malignant neoplasms of male genital organs	146	146	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(89) Of prostate	144	144	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(90) Of testis	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(91) Of penis and other and unspecified male genital organs	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malignant neoplasms of urinary tract	132	90	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(92) Of kidney and renal pelvis	61	37	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(93) Of bladder	67	52	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(94) Of other and unspecified sites within the urinary tract	3	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(95) Malignant neoplasm of eye and adnexa	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malignant neoplasms of meninges, brain and other parts of central nervous system	71	39	32	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	2	0
(96) Of brain	68	39	29	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	2	0
(97) Of other parts of central nervous system	3	0	3	0	0	0	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	12	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(99) Other malignant neoplasms of other and unspecified sites	215	124	91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Malignant neoplasms of lymphoid, hematopoietic and related tissue	210	135	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
(100) Hodgkin 's disease	4	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Of other lymphoid, hematopoietic and related tissue	65	42	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(101) Non-Hodgkin 's lymphoma	65	42	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(103) Malignant immunoproliferative diseases	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(104) Multiple myeloma and malignant plasma cell neoplasms	60	42	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

* Line numbers shown in parentheses on this table correspond to those in the NCHS Instruction Manual Part 9.

Table D-1

Frequency of Death by Sex, Age, and 358 Selected Underlying Causes

Montana Residents, 2020

Cause of Death*	All Ages			Age in Years and Sex																			
				0 YR.		1 YR.		2-4		5-9		10-14		15-17		18-19		20-24		25-29		30-34	
	Both	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Leukemia	80	48	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
(105) Lymphoid leukemia	24	15	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
(106) Myeloid leukemia	40	22	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
(108) Other and unspecified leukemia	16	11	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Benign neoplasms	5	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(112) Of eye, brain and other parts of central nervous system	4	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(113) Of other and unspecified sites	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(114) Neoplasms of uncertain or unknown behavior of specified sites	50	31	19	0	0	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	6	2	4	0	0	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	47	25	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2
Anemias	18	9	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(116) Nutritional anemias	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(117) Hemolytic anemias	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(118) Aplastic anemias	4	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(119) Acute posthemorrhagic and other anemias	12	7	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(120) Coagulation defects, purpura and other hemorrhagic conditions	16	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
(121) Other diseases of blood and blood forming organs	7	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
(122) Certain disorders involving the immune mechanism	6	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IV. Endocrine, nutritional and metabolic diseases	613	342	271	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	2	2	3	2
Endocrine diseases	362	217	145	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	3	0
(123) Disorders of thyroid gland	15	5	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(124) Diabetes mellitus	342	209	133	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	3	0
(125) Disorders of pituitary gland	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(126) Disorders of adrenal glands	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(128) Other endocrine diseases	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nutritional diseases	158	70	88	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	2
Malnutrition	94	36	58	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
(130) Other and unspecified malnutrition	94	36	58	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
(131) Other nutritional deficiencies	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(132) Obesity and other hyperalimentation	62	33	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2
Metabolic disorders	93	55	38	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0
(133) Cystic fibrosis	2	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
(134) Volume depletion, disorders of fluid, electrolyte and acid-base balance	22	10	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(135) Other metabolic disorders	69	44	25	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
V. Mental and behavioral disorders	809	326	483	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	2	3
(136) Organic dementia	677	248	429	0	0	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	10	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mental and behavioral disorders due to psychoactive substance use	108	69	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	2	3
(138) Mental and behavioral disorders due to use of alcohol	99	64	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	2	2
(139) Mental and behavioral disorders due to other psychoactive substance use	9	5	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	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	0	0
(141) Mood (affective) disorders	6	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(142) Neurotic, stress-related and somatoform disorders	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

* Line numbers shown in parentheses on this table correspond to those in the NCHS Instruction Manual Part 9.

Table D-1

Frequency of Death by Sex, Age, and 358 Selected Underlying Causes

Montana Residents, 2020

Cause of Death*	All Ages			Age in Years and Sex																			
				0 YR.		1 YR.		2-4		5-9		10-14		15-17		18-19		20-24		25-29		30-34	
	Both	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
(144) Other and unspecified mental and behavioral disorders	4	0	4	0	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	748	349	399	0	0	0	1	1	0	0	1	0	1	0	1	0	0	0	2	2	0	2	0
(146) Other inflammatory diseases of central nervous system	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(147) Parkinson 's disease	149	96	53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(148) Alzheimer 's disease	347	116	231	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(149) Multiple sclerosis	17	7	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(150) Epilepsy	12	11	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0
(151) Transient cerebral ischemic attacks and related syndromes	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(152) Infantile cerebral palsy	5	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(153) All other diseases of nervous system	214	114	100	0	0	0	1	0	0	0	1	0	1	0	1	0	0	0	2	1	0	1	0
(155) VIII. Diseases of the ear and mastoid process	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IX. Diseases of the circulatory system	3,101	1,722	1,379	1	0	0	0	0	0	0	0	1	0	1	1	0	2	2	0	5	1	4	5
Acute rheumatic fever and chronic rheumatic heart diseases	33	9	24	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Chronic rheumatic heart diseases	33	9	24	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
(157) Rheumatic mitral valve diseases	12	5	7	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
(159) Disorders of both mitral and aortic valves	8	0	8	0	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	13	4	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hypertensive diseases	275	116	159	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(161) Essential (primary) hypertension	70	28	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(162) Hypertensive heart disease	157	71	86	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(163) Hypertensive renal disease and secondary hypertension	29	13	16	0	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	19	4	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ischemic heart diseases	1,383	951	432	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
(165) Acute myocardial infarction	229	145	84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(166) Other acute ischemic heart diseases	9	8	1	0	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	1,145	798	347	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
(167) Atherosclerotic cardiovascular disease, so described	646	462	184	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
(168) All other forms of chronic ischemic heart disease	499	336	163	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other heart diseases	831	386	445	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	3	0	3	2
Pulmonary heart disease and diseases of pulmonary circulation	78	30	48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
(169) Pulmonary embolism	27	15	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
(170) Other pulmonary heart disease and diseases of pulmonary circulation	51	15	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other non-pulmonary forms of heart disease	753	356	397	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	2	0	3	2
(171) Acute and subacute endocarditis	5	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(172) Diseases of pericardium and acute myocarditis	3	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other diseases of endocardium	115	50	65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
(173) Nonrheumatic mitral valve disorders	19	6	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(174) Nonrheumatic aortic valve disorders	61	29	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
(175) All other diseases of endocardium	35	15	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(176) Cardiomyopathy	76	48	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	1
(177) Conduction disorders and cardiac dysrhythmias	169	72	97	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
Heart failure	341	161	180	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0
(178) Congestive heart failure	246	113	133	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0
(179) Other and unspecified heart failure	95	48	47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(180) Myocarditis, unspecified and myocardial degeneration	3	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(181) All other and ill-defined forms of heart disease	41	21	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Table D-1

Frequency of Death by Sex, Age, and 358 Selected Underlying Causes

Montana Residents, 2020

Cause of Death*	All Ages			Age in Years and Sex																			
				0 YR.		1 YR.		2-4		5-9		10-14		15-17		18-19		20-24		25-29		30-34	
	Both	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Cerebrovascular diseases	453	192	261	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	2
(182) Subarachnoid hemorrhage	21	8	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(183) Intracerebral and other intracranial hemorrhage	86	42	44	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
(184) Cerebral infarction	47	22	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
(185) Stroke, not specified as hemorrhage or infarction	190	71	119	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(186) Other cerebrovascular diseases and their sequelae	109	49	60	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diseases of arteries, arterioles and capillaries	102	57	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(187) Atherosclerosis	17	10	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(188) Aortic aneurysm and dissection	42	24	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(189) Other diseases of arteries, arterioles and capillaries	43	23	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other disorders of circulatory system	24	11	13	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0
(190) Phlebitis, thrombophlebitis, venous embolism and thrombosis	17	8	9	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0
(191) All other and unspecified disorders of circulatory system	7	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
X. Diseases of the respiratory system	1,012	558	454	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	2	1	1
Acute upper respiratory infections	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
(192) Acute pharyngitis and tonsillitis	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
(194) Other and unspecified acute upper respiratory infections	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other diseases of the respiratory system	1,010	558	452	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	1
(195) Influenza	30	16	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pneumonia	90	61	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
(196) Viral pneumonia, not elsewhere classified	6	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(197) Bacterial pneumonia	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(198) Pneumonia due to other or unspecified organisms	78	52	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Other acute lower respiratory infections	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(199) Acute bronchitis and bronchiolitis	1	1	0	0	0	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	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic lower respiratory diseases	663	332	331	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Bronchitis, chronic and unspecified, emphysema and asthma	659	330	329	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
(202) Bronchitis, not specified as acute or chronic	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(203) Chronic bronchitis	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(204) Emphysema	50	29	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(205) Other chronic obstructive pulmonary disease	597	294	303	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(206) Asthma	9	6	3	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
(207) Bronchiectasis	4	2	2	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	78	53	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
(208) Pneumoconioses and chemical effects	12	10	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pneumonitis due to solids and liquids	66	43	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
(209) Pneumonitis due to food and vomit	66	43	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
(213) Pleural effusion and plaque	5	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(214) All other diseases of respiratory system	141	92	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
XI. Diseases of the digestive system	555	311	244	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	1	5	12
(215) Diseases of oral cavity, salivary glands and jaws	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diseases of other parts of digestive system	554	310	244	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	1	5	12
(216) Diseases of esophagus	14	10	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peptic ulcer	12	4	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(217) Gastric ulcer	4	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(218) Duodenal ulcer	4	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Table D-1

Frequency of Death by Sex, Age, and 358 Selected Underlying Causes

Montana Residents, 2020

Cause of Death*	All Ages			Age in Years and Sex																			
				0 YR.		1 YR.		2-4		5-9		10-14		15-17		18-19		20-24		25-29		30-34	
	Both	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
(219) Peptic ulcer, site unspecified	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(222) Dyspepsia and other diseases of stomach and duodenum	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(223) Diseases of appendix	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(224) Hernia	15	8	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(225) Crohn 's disease and ulcerative colitis	7	1	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(226) Vascular disorders and obstruction of intestine without hernia	74	38	36	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(227) Diverticular disease of intestine	9	3	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(228) Other diseases of intestines and peritoneum	19	9	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(229) Diseases of peritoneum	13	8	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Diseases of liver	303	178	125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	5	10
(230) Alcoholic liver disease	178	105	73	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	4	9
(231) Chronic hepatitis, not elsewhere classified	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(232) Fibrosis and cirrhosis of liver	57	30	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(233) Other diseases of liver	67	43	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
(234) Cholelithiasis and other disorders of gallbladder	16	6	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Disorders of biliary tract and pancreas	30	19	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2
(235) Pancreatitis	21	14	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2
(236) Other disorders of biliary tract and pancreas	9	5	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(237) All other diseases of digestive system	38	24	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
XII. Diseases of the skin and subcutaneous tissue	23	12	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(238) Infections of skin and subcutaneous tissue	15	7	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(239) Other and unspecified diseases of skin and subcutaneous tissue	8	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
XIII. Diseases of the musculoskeletal system and connective tissue	96	50	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(240) Rheumatoid arthritis and related inflammatory polyarthropathies	11	3	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(241) Systemic lupus erythematosus	4	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(242) Other arthropathies and related disorders	34	20	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(243) Dorsopathies	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(244) Soft tissue disorders	13	8	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Osteopathies, chondropathies and other disorders of musculoskeletal system and connective tissue	29	13	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(245) Osteoporosis	11	4	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(246) Other osteopathies, chondropathies and disorders of musculoskeletal system and connective tissue	18	9	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
XIV. Diseases of the genitourinary system	243	127	116	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diseases of urinary system	232	120	112	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glomerular and renal tubulo-interstitial diseases	14	9	5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glomerular diseases	9	5	4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(247) Acute and rapidly progressive nephritic syndrome	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(248) Nephrotic syndrome	3	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(249) Other and unspecified glomerular diseases	4	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(250) Renal tubulo-interstitial diseases	5	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(251) Renal failure	148	83	65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(252) Urolithiasis	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(254) Urinary tract infection, site not specified	42	14	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(255) Other diseases of urinary system	26	13	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

* Line numbers shown in parentheses on this table correspond to those in the NCHS Instruction Manual Part 9.

Table D-1

Frequency of Death by Sex, Age, and 358 Selected Underlying Causes

Montana Residents, 2020

Cause of Death*	All Ages			Age in Years and Sex																			
				0 YR.		1 YR.		2-4		5-9		10-14		15-17		18-19		20-24		25-29		30-34	
	Both	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Diseases of male genital organs	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(256) Hyperplasia of prostate	4	4	0	0	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	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	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	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	0	0
XV. Pregnancy, childbirth and the puerperium	5	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	4
Other direct obstetric deaths	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Complications predominantly related to the puerperium	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(268) Obstetric embolism	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(270) All other direct obstetric causes	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(272) Other deaths related to pregnancy, childbirth and the puerperium	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
(273) Indirect obstetric deaths	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
XVI. Certain conditions originating in the perinatal period	21	12	9	11	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(274) Newborn affected by maternal factors and by complications of pregnancy, labor and delivery	5	2	3	2	3	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	6	3	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(277) Intrauterine hypoxia and birth asphyxia	1	0	1	0	1	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	3	3	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(281) Other and unspecified conditions originating in the perinatal period	6	4	2	4	2	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	37	21	16	9	4	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
(283) Spina bifida	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(284) All other congenital malformations of nervous system	2	1	1	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
(285) Congenital malformations of heart	9	5	4	3	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
(286) Other congenital malformations of circulatory system	2	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(287) Congenital malformations of respiratory system	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(288) Other congenital malformations and deformations	10	6	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(289) Down 's syndrome	7	4	3	0	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	4	1	3	1	2	0	0	0	1	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	80	35	45	6	7	1	2	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	1
(291) Senility	17	6	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ill-defined and unknown causes of mortality	31	17	14	6	7	1	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
(292) Sudden infant death syndrome	3	0	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(293) Other ill-defined and unknown causes of mortality	28	17	11	6	4	1	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
(294)All other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	32	12	20	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
XX. External causes of mortality	1,130	788	342	2	3	0	0	3	4	5	2	4	6	14	9	14	4	67	16	52	21	58	20
Accidents (unintentional injuries)	727	469	258	2	2	0	0	2	1	4	2	1	4	6	5	5	4	33	10	28	12	24	13
Transport accidents	228	161	67	0	0	0	0	0	0	4	2	1	4	6	4	4	1	16	10	12	6	11	8
(295) Railway accidents	7	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Motor vehicle accidents	205	140	65	0	0	0	0	0	0	4	2	1	4	6	4	4	1	15	10	12	6	10	8
(296) Pedestrian involved in collision with motor vehicle	7	4	3	0	0	0	0	0	0	1	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, 2020

Cause of Death*	All Ages			Age in Years and Sex																			
				0 YR.		1 YR.		2-4		5-9		10-14		15-17		18-19		20-24		25-29		30-34	
	Both	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
(298) Motorcyclist involved in any accident except collision with railway train	23	20	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	1	0	0
Motor vehicle accident involving collision with railway train	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
(300) Other motor vehicle accident involving collision with railway train	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
(301) Occupant of motor vehicle involved in collision with other (non-motorized) road vehicle, streetcar, animal or pedestrian	1	1	0	0	0	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	9	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
(304) Occupant of motor vehicle involved in noncollision accident	6	3	3	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	2	1	0	0
(305) Occupant of special-use motor vehicle involved in any accident	14	9	5	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	1
(306) Other and unspecified motor vehicle accidents	144	95	49	0	0	0	0	0	0	3	2	0	3	5	3	4	0	13	10	7	3	8	6
(308) Other and unspecified land transport accidents	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(309) Water transport accidents	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(310) Air and space transport accidents	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
(311) Other and unspecified transport accidents and their sequelae	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Falls	209	107	102	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	1	1
(312) Fall on same level	109	54	55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0
(313) Fall from one level to another	29	18	11	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1
(314) Unspecified fall	71	35	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(315) Accidental discharge of firearms	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
(316) Accidental explosion	1	1	0	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	27	20	7	0	1	0	0	1	0	0	0	0	0	0	0	0	1	2	0	2	1	0	1
(318) Accidental inhalation and ingestion of food or other objects causing obstruction of respiratory tract	21	13	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(319) Other accidental and unspecified threats to breathing	8	5	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	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	1	0
(322) Accidental exposure to smoke, fire and flames	13	8	5	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0
(324) Lightning	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(325) Earthquake, volcanic eruption, avalanche landslide and other earth movements	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0
Accidental poisoning and exposure to noxious substances	152	109	43	0	0	0	0	0	0	0	0	0	0	0	0	1	1	7	0	11	4	9	3
(327) Accidental poisoning by and exposure to drugs and other biological substances	133	97	36	0	0	0	0	0	0	0	0	0	0	0	0	1	1	7	0	10	4	9	3
(328) Accidental poisoning by and exposure to other and unspecified solid or liquid substances	14	9	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	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	0	0	0	0	0	0	0	0	0
(330) All other and unspecified accidents and their sequelae	61	39	22	0	0	0	0	0	0	0	0	0	0	0	1	0	0	3	0	2	0	1	0
Intentional self-harm (suicide)	300	240	60	0	0	0	0	0	0	0	0	1	2	7	2	4	0	27	6	18	6	23	4
(331) Intentional self-poisoning (suicide) by and exposure to drugs and other biological substances	26	10	16	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	2	0	1	0	1
(332) Intentional self-poisoning (suicide) by and exposure to other and unspecified solid or liquid substances and their vapors	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(333) Intentional self-poisoning (suicide) by and exposure to other gases and vapors	7	5	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0
(334) Intentional self-harm (suicide) by hanging, strangulation and suffocation	62	47	15	0	0	0	0	0	0	0	0	0	1	2	0	2	0	5	2	3	2	10	3
(335) Intentional self-harm (suicide) by discharge of firearms	189	166	23	0	0	0	0	0	0	0	0	1	0	4	2	1	0	22	1	14	3	13	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, 2020

Cause of Death*	All Ages			Age in Years and Sex																			
				0 YR.		1 YR.		2-4		5-9		10-14		15-17		18-19		20-24		25-29		30-34	
	Both	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
(336) Intentional self-harm (suicide) by jumping from a high place	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(337) Intentional self-harm (suicide) by all other and unspecified means and their sequelae	12	8	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Assault (homicide)	65	49	16	0	1	0	0	1	2	1	0	2	0	0	1	3	0	7	0	4	3	9	3
(338) Assault (homicide) by drugs, biological substances and other and unspecified noxious substances	4	3	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0
(339) Assault (homicide) by hanging, strangulation and suffocation	3	1	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(340) Assault (homicide) by discharge of firearms	33	26	7	0	0	0	0	0	0	0	0	1	0	0	1	2	0	5	0	2	2	7	1
(341) Assault (homicide) by sharp object	10	8	2	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	1	0	1	0
(342) Assault (homicide) by blunt object	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
(343) Assault (homicide) by bodily force	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0
(345) Neglect, abandonment and other maltreatment syndromes	2	0	2	0	0	0	0	0	1	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	7	5	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	2
Event of undetermined intent	14	9	5	0	0	0	0	0	1	0	0	0	0	1	1	1	0	0	0	1	0	1	0
(347) Poisoning by and exposure to drugs and biological substances, undetermined intent	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0
(350) Discharge of firearms, undetermined intent	4	4	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0
(352) All other and unspecified events of undetermined intent and their sequelae	7	3	4	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0
Legal intervention	9	9	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0
(354) Other legal intervention and their sequelae	9	9	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0
(355) Operations of war and their sequelae	2	2	0	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	13	10	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(357) Misadventures to patients during medical and surgical care and their sequelae	1	1	0	0	0	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	12	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

* Line numbers shown in parentheses on this table correspond to those in the NCHS Instruction Manual Part 9.

Table D-1

Frequency of Death by Sex, Age, and 358 Selected Underlying Causes

Montana Residents, 2020

Cause of Death*	Age in Years and Sex																					
	35-39		40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80-84		85+	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
All Causes**	103	56	115	58	157	77	215	140	357	228	538	328	692	424	818	539	887	585	851	708	1,580	2,093
I. Certain infectious and parasitic diseases	5	5	3	8	16	8	25	13	38	22	52	34	64	54	119	60	110	72	114	81	182	214
Intestinal infectious diseases	1	0	0	0	0	0	0	1	0	0	1	0	0	1	0	2	0	4	1	2	6	3
Other intestinal infectious diseases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	1	1	4	3
(7) Intestinal infections due to other specified organisms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	1	1	4	3
(8) Diarrhea and gastroenteritis of infectious origin	1	0	0	0	0	0	0	1	0	0	1	0	0	1	0	1	0	2	0	1	2	0
Tuberculosis	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0
(9) Respiratory tuberculosis	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0
Zoonotic and other bacterial diseases	0	2	0	0	3	0	5	1	4	2	7	4	6	8	7	4	9	6	10	9	14	16
(18) Septicemia	0	1	0	0	2	0	5	1	3	1	7	4	5	7	6	4	6	6	6	9	12	15
(19) Other zoonotic and bacterial diseases	0	1	0	0	1	0	0	0	1	1	0	0	1	1	1	0	3	0	4	0	2	1
Other infections caused by spirochetes, chlamydia or rickettsia	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
(27) All other infections caused by spirochetes, chlamydia or rickettsia	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Viral diseases	4	3	3	8	13	8	20	10	34	20	43	30	57	45	111	54	99	61	103	70	162	195
(33) Herpesviral (herpes simplex) infections	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(34) Zoster (herpes zoster)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(38) Viral hepatitis	0	1	0	1	1	0	0	1	4	1	3	1	2	2	2	0	0	0	0	1	0	0
Human immunodeficiency virus (HIV) disease	0	0	0	0	1	1	1	0	1	0	0	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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(40) Human immunodeficiency virus (HIV) disease resulting in malignant neoplasms	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(41) Human immunodeficiency virus (HIV) disease resulting in other specified diseases	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
(43) Unspecified human immunodeficiency virus (HIV) disease	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(44) All other and unspecified viral diseases	4	2	3	7	11	7	19	9	29	19	40	29	55	43	109	54	99	61	103	69	162	193
Other and unspecified infectious and parasitic diseases and their sequelae	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	0	0	0	0	0
(45) Mycoses	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	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	0	0	0	0	0	0	0	1	0	0	0	0	0
II. Neoplasms	2	7	15	9	15	13	34	36	57	62	122	107	156	137	204	152	200	149	173	121	219	192
Malignant neoplasms	2	7	14	9	15	13	33	34	56	61	120	104	153	136	201	147	196	148	163	119	210	180
Malignant neoplasms of lip, oral cavity and pharynx	0	0	0	0	0	1	1	0	3	1	5	1	9	2	1	7	5	3	1	4	0	3
(56) Of lip	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
(57) Of tongue	0	0	0	0	0	1	0	0	2	1	0	0	0	1	0	1	1	2	0	2	0	0
(58) Of pharynx	0	0	0	0	0	0	0	0	0	0	1	0	4	0	0	3	1	0	1	0	0	2
(59) Of other and unspecified sites within the lip, oral cavity and pharynx	0	0	0	0	0	0	1	0	1	0	4	1	5	1	1	2	3	1	0	2	0	1
Malignant neoplasms of digestive organs	2	1	4	1	7	1	12	14	23	16	42	28	53	23	60	27	45	41	31	24	31	39
(60) Of esophagus	0	0	3	0	0	1	3	0	6	1	5	2	8	0	11	2	10	3	5	0	1	1
(61) Of stomach	0	0	1	0	0	0	0	0	3	1	5	2	0	0	0	0	1	1	3	1	0	0
(62) Of small intestine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1
Of colon, rectum and anus	1	1	0	1	2	0	5	7	5	6	11	11	17	6	16	6	11	9	9	7	15	18
(63) Colon	1	0	0	0	1	0	2	4	4	5	7	7	13	3	9	4	8	6	8	4	12	14
(64) Rectosigmoid junction and rectum	0	0	0	1	1	0	3	2	1	1	4	3	4	3	7	2	3	3	1	3	3	4
(65) Anus and anal canal	0	1	0	0	0	0	0	1	0	0	0	1	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, 2020

Cause of Death*	Age in Years and Sex																					
	35-39		40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80-84		85+	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Of liver and intrahepatic bile ducts	0	0	0	0	3	0	2	1	4	2	12	7	17	11	15	8	7	7	6	7	3	2
(66) Liver	0	0	0	0	3	0	2	0	3	1	10	5	13	6	14	5	4	4	4	5	1	2
(67) Intrahepatic bile duct carcinoma	0	0	0	0	0	0	0	1	1	1	2	2	4	5	1	3	3	3	2	2	2	0
(68) Of gallbladder and extrahepatic bile ducts	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	1	0	0	2	2
(69) Of pancreas	1	0	0	0	2	0	2	5	5	5	9	6	10	5	18	11	14	17	7	7	9	12
(70) Of other and ill-defined digestive organs	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	1	2	1	2	1	3
Malignant neoplasms of respiratory and intrathoracic organs	0	1	3	0	1	2	5	5	5	10	29	22	37	44	48	34	40	37	31	27	39	32
(71) Of nasal cavity, middle ear and accessory sinuses	0	0	0	0	0	0	0	0	1	0	0	1	1	0	1	0	0	0	0	0	0	0
(72) Of larynx	0	0	0	0	0	0	1	0	1	0	5	0	0	2	1	0	0	0	2	1	1	0
(73) Of trachea, bronchus and lung	0	1	3	0	1	2	3	5	3	10	23	21	36	42	46	34	40	37	28	26	38	32
(74) Of thymus, heart, mediastinum and pleura	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0
(76) Malignant neoplasms of bone and articular cartilage	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Melanoma and other malignant neoplasms of skin	0	0	1	2	0	1	2	1	3	2	2	1	3	2	7	0	5	2	3	3	4	0
(77) Malignant melanoma of skin	0	0	1	2	0	1	2	1	3	2	1	0	2	2	5	0	3	2	1	1	1	0
(78) Other malignant neoplasms of skin	0	0	0	0	0	0	0	0	0	0	1	1	1	0	2	0	2	0	2	2	3	0
Malignant neoplasms of mesothelial and soft tissue	0	0	0	1	0	0	1	1	0	1	1	0	1	3	4	3	5	2	3	2	5	4
(79) Mesothelioma	0	0	0	0	0	0	1	0	0	1	0	0	1	1	0	0	4	0	2	1	2	1
(80) Kaposi's sarcoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(81) Of other mesothelial and soft tissue	0	0	0	1	0	0	0	1	0	0	1	0	0	2	4	3	1	2	1	1	3	2
(82) Malignant neoplasm of breast	0	3	0	0	0	3	0	3	0	8	0	14	0	22	0	26	1	16	0	11	1	29
Malignant neoplasms of female genital organs	0	1	0	1	0	0	0	3	0	8	0	10	0	14	0	20	0	16	0	13	0	12
(83) Of vulva and vagina	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	2	0	1	0	1	0	0
(84) Of cervix uteri	0	0	0	0	0	0	0	1	0	1	0	2	0	2	0	0	0	2	0	1	0	1
(85) Of corpus uteri and uterus, part unspecified	0	1	0	0	0	0	0	0	0	3	0	5	0	4	0	9	0	8	0	3	0	8
(86) Of ovary	0	0	0	1	0	0	0	1	0	3	0	2	0	7	0	9	0	4	0	8	0	3
(87) Of other and unspecified female genital organs	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0
Malignant neoplasms of male genital organs	0	0	1	0	2	0	1	0	7	0	8	0	10	0	17	0	26	0	30	0	44	0
(89) Of prostate	0	0	0	0	2	0	1	0	7	0	8	0	10	0	16	0	26	0	30	0	44	0
(90) Of testis	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(91) Of penis and other and unspecified male genital organs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Malignant neoplasms of urinary tract	0	0	1	1	1	0	1	1	2	3	10	5	9	5	11	3	14	7	20	7	21	10
(92) Of kidney and renal pelvis	0	0	1	1	1	0	1	1	1	2	8	5	4	3	7	2	2	2	8	3	4	5
(93) Of bladder	0	0	0	0	0	0	0	0	1	1	2	0	5	2	4	1	12	4	11	3	17	4
(94) Of other and unspecified sites within the urinary tract	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1
(95) Malignant neoplasm of eye and adnexa	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
Malignant neoplasms of meninges, brain and other parts of central nervous system	0	0	1	2	2	1	4	3	5	3	2	11	5	1	5	5	6	2	3	1	3	2
(96) Of brain	0	0	1	2	2	1	4	3	5	3	2	11	5	1	5	4	6	1	3	1	3	1
(97) Of other parts of central nervous system	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1
(98) Malignant neoplasms of thyroid and other endocrine glands	0	1	0	0	0	0	0	0	1	0	0	1	1	0	1	0	2	0	1	0	3	1
(99) Other malignant neoplasms of other and unspecified sites	0	0	3	1	1	2	2	2	5	5	10	5	13	13	22	13	24	10	19	14	24	26
Malignant neoplasms of lymphoid, hematopoietic and related tissue	0	0	0	0	1	2	4	1	2	4	11	6	11	6	25	9	23	12	21	12	35	21
(100) Hodgkin 's disease	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	1	0
Of other lymphoid, hematopoietic and related tissue	0	0	0	0	0	0	2	0	0	2	3	2	8	3	8	3	3	1	9	4	9	8
(101) Non-Hodgkin 's lymphoma	0	0	0	0	0	0	2	0	0	2	3	2	8	3	8	3	3	1	9	4	9	8
(103) Malignant immunoproliferative diseases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
(104) Multiple myeloma and malignant plasma cell neoplasms	0	0	0	0	1	1	2	1	2	0	3	2	1	1	10	2	7	5	7	1	9	5

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Table D-1

Frequency of Death by Sex, Age, and 358 Selected Underlying Causes

Montana Residents, 2020

Cause of Death*	Age in Years and Sex																					
	35-39		40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80-84		85+	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Leukemia	0	0	0	0	0	1	0	0	0	2	5	2	2	1	7	4	12	5	5	7	15	8
(105) Lymphoid leukemia	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	4	0	1	4	8	2
(106) Myeloid leukemia	0	0	0	0	0	0	0	0	0	0	4	2	1	1	6	2	4	4	2	3	4	5
(108) Other and unspecified leukemia	0	0	0	0	0	1	0	0	0	1	0	0	1	0	1	1	4	1	2	0	3	1
Benign neoplasms	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	1	0	0	1
(112) Of eye, brain and other parts of central nervous system	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	1	0	0	1
(113) Of other and unspecified sites	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
(114) Neoplasms of uncertain or unknown behavior of specified sites	0	0	1	0	0	0	1	1	1	1	2	1	3	0	3	4	4	1	8	2	8	9
(115) Neoplasm of uncertain or unknown behavior of unspecified sites	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1	0	1	2
III. Diseases of the blood and blood forming organs and certain disorders involving the immune mechanism	3	0	0	0	0	0	0	0	1	0	1	2	3	1	2	6	7	1	3	2	4	8
Anemias	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	1	2	0	2	2	4	5
(116) Nutritional anemias	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
(117) Hemolytic anemias	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
(118) Aplastic anemias	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	3
(119) Acute posthemorrhagic and other anemias	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	2	2	4	2
(120) Coagulation defects, purpura and other hemorrhagic conditions	1	0	0	0	0	0	0	0	0	0	0	1	2	0	1	3	3	1	1	0	0	1
(121) Other diseases of blood and blood forming organs	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	2
(122) Certain disorders involving the immune mechanism	1	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	0	0	0	0	0
IV. Endocrine, nutritional and metabolic diseases	2	1	7	1	12	9	12	8	23	14	24	13	44	22	46	28	39	28	45	31	82	109
Endocrine diseases	1	0	5	1	6	6	11	5	15	8	15	7	33	17	31	14	29	19	28	22	39	46
(123) Disorders of thyroid gland	0	0	0	0	1	0	0	1	0	1	0	0	0	0	0	0	1	2	1	2	2	4
(124) Diabetes mellitus	1	0	5	1	5	6	11	4	15	7	15	6	31	17	30	13	28	17	27	20	37	42
(125) Disorders of pituitary gland	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
(126) Disorders of adrenal glands	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0
(128) Other endocrine diseases	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0
Nutritional diseases	1	1	2	0	4	3	0	3	4	5	5	5	6	3	13	9	5	8	9	4	20	42
Malnutrition	0	0	0	0	0	1	0	0	1	1	1	1	2	2	4	2	1	4	7	3	20	41
(130) Other and unspecified malnutrition	0	0	0	0	0	1	0	0	1	1	1	1	2	2	4	2	1	4	7	3	20	41
(131) Other nutritional deficiencies	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0
(132) Obesity and other hyperalimentation	1	1	2	0	4	2	0	3	3	4	4	4	4	0	9	7	4	4	1	1	0	1
Metabolic disorders	0	0	0	0	2	0	1	0	4	1	4	1	5	2	2	5	5	1	8	5	23	21
(133) Cystic fibrosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
(134) Volume depletion, disorders of fluid, electrolyte and acid-base balance	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	1	0	1	4	2	3	8
(135) Other metabolic disorders	0	0	0	0	2	0	1	0	4	1	3	1	4	2	1	4	5	0	4	3	19	13
V. Mental and behavioral disorders	3	2	4	3	5	5	10	6	12	6	22	9	6	8	12	18	36	50	45	63	166	309
(136) Organic dementia	0	0	0	0	0	0	0	0	0	1	5	1	2	7	11	12	28	45	38	60	164	303
(137) Other and unspecified organic mental disorders	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	2	1	0	2
Mental and behavioral disorders due to psychoactive substance use	3	2	4	2	5	5	10	6	12	5	17	7	3	1	0	4	5	1	3	1	2	1
(138) Mental and behavioral disorders due to use of alcohol	2	2	4	1	4	5	10	5	11	5	16	7	3	1	0	3	5	1	3	1	2	1
(139) Mental and behavioral disorders due to other psychoactive substance use	1	0	0	1	1	0	0	1	1	0	1	0	0	0	0	1	0	0	0	0	0	0
(140) Schizophrenia, schizotypal and delusional disorders	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0
(141) Mood (affective) disorders	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	0	0	2
(142) Neurotic, stress-related and somatoform disorders	0	0	0	0	0	0	0	0	0	0	0	0	1	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, 2020

Cause of Death*	Age in Years and Sex																					
	35-39		40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80-84		85+	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
(144) Other and unspecified mental and behavioral disorders	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0	0	0	0
VI. Diseases of the nervous system	4	0	6	2	4	1	7	4	10	7	16	12	22	18	34	32	53	42	67	82	121	193
(146) Other inflammatory diseases of central nervous system	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
(147) Parkinson 's disease	0	0	0	0	0	0	0	0	0	0	0	0	6	3	12	4	17	12	31	12	30	22
(148) Alzheimer 's disease	0	0	0	0	0	0	0	1	1	0	2	1	1	2	5	11	16	19	24	57	67	140
(149) Multiple sclerosis	0	0	1	0	0	0	0	0	2	1	0	2	1	1	0	1	2	0	0	3	1	2
(150) Epilepsy	2	0	1	0	1	0	1	0	1	0	1	0	0	0	1	1	0	0	0	0	0	0
(151) Transient cerebral ischemic attacks and related syndromes	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
(152) Infantile cerebral palsy	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	1	1	1	0	0	0	0
(153) All other diseases of nervous system	2	0	4	2	2	1	6	3	6	6	12	9	13	11	15	14	17	10	12	10	23	28
(155) VIII. Diseases of the ear and mastoid process	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
IX. Diseases of the circulatory system	11	7	14	4	26	13	47	26	94	47	156	68	194	86	214	130	240	122	238	186	474	681
Acute rheumatic fever and chronic rheumatic heart diseases	1	0	0	0	0	0	0	0	0	1	1	0	1	1	1	2	1	2	1	1	3	16
Chronic rheumatic heart diseases	1	0	0	0	0	0	0	0	0	1	1	0	1	1	1	2	1	2	1	1	3	16
(157) Rheumatic mitral valve diseases	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	2	0	0	1	0	1	4
(159) Disorders of both mitral and aortic valves	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	2	0	1	0	3
(160) Other chronic rheumatic heart diseases	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	9
Hypertensive diseases	2	1	3	0	2	2	4	6	5	4	12	9	13	7	18	14	15	15	11	23	31	77
(161) Essential (primary) hypertension	0	1	0	0	0	0	0	0	1	0	5	1	3	4	7	2	4	6	1	6	7	22
(162) Hypertensive heart disease	2	0	3	0	1	2	4	6	4	4	7	7	7	2	9	9	8	6	8	10	18	39
(163) Hypertensive renal disease and secondary hypertension	0	0	0	0	1	0	0	0	0	0	0	1	3	0	1	1	3	2	1	4	4	8
(164) Hypertensive heart and renal disease	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	0	1	1	3	2	8
Ischemic heart diseases	6	2	7	2	17	6	28	10	65	23	108	36	127	33	126	58	143	31	117	60	205	170
(165) Acute myocardial infarction	1	0	1	1	5	1	9	1	9	6	16	5	25	7	21	9	23	9	14	8	21	37
(166) Other acute ischemic heart diseases	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	1	0	0	1	0	4	0
Other forms of chronic ischemic heart disease	5	2	6	1	12	5	18	9	56	17	91	31	101	26	105	48	120	22	102	52	180	133
(167) Atherosclerotic cardiovascular disease, so described	5	1	4	1	10	3	12	9	50	15	70	23	76	19	65	30	64	11	45	21	59	50
(168) All other forms of chronic ischemic heart disease	0	1	2	0	2	2	6	0	6	2	21	8	25	7	40	18	56	11	57	31	121	83
Other heart diseases	2	2	3	0	4	1	8	3	13	10	19	14	26	21	41	29	43	37	65	60	153	266
Pulmonary heart disease and diseases of pulmonary circulation	0	0	0	0	1	1	0	0	2	2	3	1	3	6	3	2	3	5	8	5	6	26
(169) Pulmonary embolism	0	0	0	0	1	0	0	0	1	2	2	1	3	2	1	1	0	1	3	1	3	4
(170) Other pulmonary heart disease and diseases of pulmonary circulation	0	0	0	0	0	1	0	0	1	0	1	0	0	4	2	1	3	4	5	4	3	22
Other non-pulmonary forms of heart disease	2	2	3	0	3	0	8	3	11	8	16	13	23	15	38	27	40	32	57	55	147	240
(171) Acute and subacute endocarditis	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	1	0	0	1
(172) Diseases of pericardium and acute myocarditis	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	1
Other diseases of endocardium	0	0	1	0	0	0	0	1	1	2	3	1	4	1	6	3	5	5	5	9	24	43
(173) Nonrheumatic mitral valve disorders	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	1	3	2	10
(174) Nonrheumatic aortic valve disorders	0	0	0	0	0	0	0	1	1	1	2	0	1	0	1	2	1	2	3	5	19	21
(175) All other diseases of endocardium	0	0	1	0	0	0	0	0	0	1	1	1	2	1	4	1	3	3	1	1	3	12
(176) Cardiomyopathy	2	1	2	0	1	0	2	0	2	1	4	4	3	1	3	4	7	3	7	6	12	7
(177) Conduction disorders and cardiac dysrhythmias	0	0	0	0	2	0	3	1	3	1	3	2	4	3	10	11	9	7	13	8	24	63
Heart failure	0	1	0	0	0	0	3	1	2	3	5	3	9	9	15	8	19	14	28	29	77	112
(178) Congestive heart failure	0	0	0	0	0	0	3	1	1	3	3	1	7	4	11	3	15	11	14	20	56	90
(179) Other and unspecified heart failure	0	1	0	0	0	0	0	0	1	0	2	2	2	5	4	5	4	3	14	9	21	22
(180) Myocarditis, unspecified and myocardial degeneration	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	0	0	0
(181) All other and ill-defined forms of heart disease	0	0	0	0	0	0	0	0	3	1	1	2	1	0	3	0	0	1	3	3	10	13

* 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, 2020

Cause of Death*	Age in Years and Sex																					
	35-39		40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80-84		85+	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Cerebrovascular diseases	0	0	0	2	2	3	6	6	10	8	11	7	11	15	17	25	31	29	37	34	65	129
(182) Subarachnoid hemorrhage	0	0	0	0	0	1	0	1	0	0	1	1	1	3	1	2	1	2	2	0	2	2
(183) Intracerebral and other intracranial hemorrhage	0	0	0	1	2	1	4	4	4	4	1	1	1	2	6	4	9	6	7	6	8	13
(184) Cerebral infarction	0	0	0	0	0	1	1	0	1	1	1	2	2	2	3	2	5	5	3	3	5	9
(185) Stroke, not specified as hemorrhage or infarction	0	0	0	0	0	0	1	1	2	3	7	3	3	5	2	9	13	11	13	18	30	69
(186) Other cerebrovascular diseases and their sequelae	0	0	0	1	0	0	0	0	3	0	1	0	4	3	5	8	3	5	12	7	20	36
Diseases of arteries, arterioles and capillaries	0	1	1	0	0	1	1	1	1	0	2	1	13	9	11	2	7	6	6	8	15	16
(187) Atherosclerosis	0	1	0	0	0	0	0	1	0	0	0	1	4	2	3	0	0	0	2	1	1	1
(188) Aortic aneurysm and dissection	0	0	1	0	0	0	1	0	1	0	0	0	6	5	5	1	3	5	1	4	6	3
(189) Other diseases of arteries, arterioles and capillaries	0	0	0	0	0	1	0	0	0	0	2	0	3	2	3	1	4	1	3	3	8	12
Other disorders of circulatory system	0	1	0	0	1	0	0	0	0	1	3	1	3	0	0	0	0	2	1	0	2	7
(190) Phlebitis, thrombophlebitis, venous embolism and thrombosis	0	1	0	0	1	0	0	0	0	1	3	1	3	0	0	0	0	1	0	0	0	4
(191) All other and unspecified disorders of circulatory system	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	3
X. Diseases of the respiratory system	4	1	0	0	5	0	3	1	26	21	35	28	72	48	88	60	94	63	68	67	160	162
Acute upper respiratory infections	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
(192) Acute pharyngitis and tonsillitis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(194) Other and unspecified acute upper respiratory infections	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Other diseases of the respiratory system	4	1	0	0	5	0	3	1	26	21	35	28	72	48	88	60	94	62	68	67	160	162
(195) Influenza	2	0	0	0	1	0	0	0	1	0	1	3	0	1	1	2	2	1	3	0	5	7
Pneumonia	1	0	0	0	1	0	0	0	5	0	1	0	7	5	7	3	8	0	3	6	28	14
(196) Viral pneumonia, not elsewhere classified	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	2	2
(197) Bacterial pneumonia	1	0	0	0	1	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0	1	0
(198) Pneumonia due to other or unspecified organisms	0	0	0	0	0	0	0	0	4	0	1	0	5	4	6	3	8	0	3	6	25	12
Other acute lower respiratory infections	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
(199) Acute bronchitis and bronchiolitis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	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	1	0	0	1	0	0	0
Chronic lower respiratory diseases	0	0	0	0	3	0	1	1	18	16	29	23	52	35	51	49	60	52	42	46	75	109
Bronchitis, chronic and unspecified, emphysema and asthma	0	0	0	0	3	0	1	1	18	16	29	23	51	35	51	49	60	52	41	46	75	107
(202) Bronchitis, not specified as acute or chronic	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(203) Chronic bronchitis	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(204) Emphysema	0	0	0	0	0	0	0	0	1	4	5	1	7	1	5	6	5	3	3	1	3	5
(205) Other chronic obstructive pulmonary disease	0	0	0	0	2	0	1	0	15	12	24	22	44	34	46	43	55	49	38	45	69	98
(206) Asthma	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	3	3
(207) Bronchiectasis	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	2
Lung diseases due to external agents	1	0	0	0	0	0	1	0	0	2	3	0	4	3	6	0	7	4	5	5	25	10
(208) Pneumoconioses and chemical effects	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	3	0	6	1
Pneumonitis due to solids and liquids	1	0	0	0	0	0	1	0	0	2	3	0	3	2	6	0	7	4	2	5	19	9
(209) Pneumonitis due to food and vomit	1	0	0	0	0	0	1	0	0	2	3	0	3	2	6	0	7	4	2	5	19	9
(213) Pleural effusion and plaque	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1	1
(214) All other diseases of respiratory system	0	1	0	0	0	0	1	0	2	3	1	1	9	4	23	5	16	5	13	9	26	21
XI. Diseases of the digestive system	12	9	14	10	20	10	20	20	31	19	38	22	43	19	32	21	29	19	23	23	41	58
(215) Diseases of oral cavity, salivary glands and jaws	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Diseases of other parts of digestive system	12	9	14	10	20	10	20	20	31	19	38	22	43	19	32	21	29	19	23	23	40	58
(216) Diseases of esophagus	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	1	1	0	4	2	2	1
Peptic ulcer	0	0	1	1	0	0	0	0	1	0	0	1	1	0	1	1	0	2	0	2	0	1
(217) Gastric ulcer	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	0	1	0	0
(218) Duodenal ulcer	0	0	1	1	0	0	0	0	0	0	0	0	1	0	1	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, 2020

Cause of Death*	Age in Years and Sex																					
	35-39		40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80-84		85+	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
(219) Peptic ulcer, site unspecified	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	1
(222) Dyspepsia and other diseases of stomach and duodenum	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
(223) Diseases of appendix	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
(224) Hernia	0	0	0	0	0	0	2	0	1	0	1	0	0	0	0	1	1	1	1	2	2	3
(225) Crohn 's disease and ulcerative colitis	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0	2	0	0	1	1	0	0
(226) Vascular disorders and obstruction of intestine without hernia	1	0	0	1	0	1	1	0	0	1	3	2	2	0	8	3	6	2	5	4	12	21
(227) Diverticular disease of intestine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	1	1	0	2
(228) Other diseases of intestines and peritoneum	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	3	1	0	2	3	5
(229) Diseases of peritoneum	1	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1	2	0	0	1	2	2
Diseases of liver	10	9	12	8	18	9	14	17	28	16	28	17	30	13	13	9	11	11	5	1	3	4
(230) Alcoholic liver disease	8	7	6	6	13	7	9	11	20	10	15	11	18	7	5	3	5	1	1	0	0	0
(231) Chronic hepatitis, not elsewhere classified	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
(232) Fibrosis and cirrhosis of liver	2	2	1	0	1	0	1	3	2	3	7	3	7	2	2	3	3	6	3	1	1	3
(233) Other diseases of liver	0	0	5	2	4	2	4	3	6	2	6	3	5	4	6	3	3	4	1	0	2	1
(234) Cholelithiasis and other disorders of gallbladder	0	0	0	0	0	0	0	1	0	0	0	1	1	0	1	0	0	0	0	2	4	6
Disorders of biliary tract and pancreas	0	0	1	0	1	0	3	1	0	1	3	0	3	0	3	0	0	0	2	3	2	4
(235) Pancreatitis	0	0	0	0	1	0	3	1	0	1	3	0	2	0	2	0	0	0	1	1	1	2
(236) Other disorders of biliary tract and pancreas	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	2	1	2
(237) All other diseases of digestive system	0	0	0	0	1	0	0	0	1	0	1	1	3	2	2	1	4	0	4	2	8	8
XII. Diseases of the skin and subcutaneous tissue	0	0	0	0	0	0	1	0	0	0	0	0	3	2	3	4	1	1	3	1	1	3
(238) Infections of skin and subcutaneous tissue	0	0	0	0	0	0	1	0	0	0	0	0	0	1	3	3	1	1	1	0	1	3
(239) Other and unspecified diseases of skin and subcutaneous tissue	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0	1	0	0	2	1	0	0
XIII. Diseases of the musculoskeletal system and connective tissue	0	0	0	0	1	0	2	0	1	2	5	5	6	1	2	6	9	4	10	6	14	22
(240) Rheumatoid arthritis and related inflammatory polyarthropathies	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	2	1	1	1	4
(241) Systemic lupus erythematosus	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	1
(242) Other arthropathies and related disorders	0	0	0	0	0	0	2	0	1	0	3	3	1	0	0	3	6	1	3	4	4	3
(243) Dorsopathies	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	2	0
(244) Soft tissue disorders	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	1	2	0	2	1	2	1
Osteopathies, chondropathies and other disorders of musculoskeletal system and connective tissue	0	0	0	0	0	0	0	0	0	1	1	0	2	0	2	1	0	1	3	0	5	13
(245) Osteoporosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	3	7
(246) Other osteopathies, chondropathies and disorders of musculoskeletal system and connective tissue	0	0	0	0	0	0	0	0	0	1	1	0	2	0	2	1	0	1	2	0	2	6
XIV. Diseases of the genitourinary system	0	0	3	0	4	0	2	5	7	4	9	3	14	10	15	14	15	12	20	19	38	48
Diseases of urinary system	0	0	3	0	4	0	2	4	7	4	9	3	14	10	12	14	12	12	19	19	38	45
Glomerular and renal tubulo-interstitial diseases	0	0	0	0	0	0	1	0	0	0	1	0	2	0	2	3	2	0	1	0	0	1
Glomerular diseases	0	0	0	0	0	0	0	0	0	0	1	0	2	0	2	2	0	0	0	0	0	1
(247) Acute and rapidly progressive nephritic syndrome	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
(248) Nephrotic syndrome	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0
(249) Other and unspecified glomerular diseases	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	1	0	0	0	0	0	0
(250) Renal tubulo-interstitial diseases	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	2	0	1	0	0	0
(251) Renal failure	0	0	2	0	4	0	1	2	7	2	5	3	7	6	9	6	7	8	14	12	27	26
(252) Urolithiasis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
(254) Urinary tract infection, site not specified	0	0	0	0	0	0	0	2	0	0	3	0	2	2	1	3	2	4	1	5	5	12
(255) Other diseases of urinary system	0	0	1	0	0	0	0	0	0	2	0	0	3	2	0	2	1	0	2	2	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, 2020

Cause of Death*	Age in Years and Sex																					
	35-39		40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80-84		85+	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Diseases of male genital organs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3	0	1	0	0	0
(256) Hyperplasia of prostate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	1	0	0	0
(257) Other diseases of male genital organs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0
(258) Disorders of breast	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Disorders of female genital organs	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2
(260) Noninflammatory disorders of female genital tract	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	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	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	0	0
Complications predominantly related to the puerperium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(268) Obstetric embolism	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(270) All other direct obstetric causes	0	0	0	0	0	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	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	0	0
XVI. Certain conditions originating in the perinatal period	0	0	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	0	0
(275) Disorders related to short gestation and low birth weight, not elsewhere classified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(277) Intrauterine hypoxia and birth asphyxia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(280) Infections specific to the perinatal period	0	0	0	0	0	0	0	0	0	0	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	0	0
XVII. Congenital malformations, deformations and chromosomal abnormalities	0	1	0	0	2	0	0	1	3	2	2	4	0	0	0	0	2	0	0	0	1	2
(283) Spina bifida	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(284) All other congenital malformations of nervous system	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(285) Congenital malformations of heart	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2
(286) Other congenital malformations of circulatory system	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
(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	0	0
(288) Other congenital malformations and deformations	0	1	0	0	0	0	0	1	0	0	0	2	0	0	0	0	2	0	0	0	1	0
(289) Down 's syndrome	0	0	0	0	0	0	0	0	2	1	2	2	0	0	0	0	0	0	0	0	0	0
(290) All other chromosomal abnormalities, not elsewhere classified	0	0	0	0	0	0	0	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	0	3	2	1	1	0	0	1	2	1	2	1	3	1	1	0	5	0	0	3	11	23
(291) Senility	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	10
Ill-defined and unknown causes of mortality	0	2	1	0	1	0	0	0	1	1	1	0	3	0	1	0	1	0	0	0	1	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	0	0
(293) Other ill-defined and unknown causes of mortality	0	2	1	0	1	0	0	0	1	1	1	0	3	0	1	0	1	0	0	0	1	0
(294)All other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	0	1	1	1	0	0	0	1	1	0	1	1	0	1	0	0	4	0	0	2	4	13
XX. External causes of mortality	57	20	47	20	46	18	52	19	52	21	53	20	62	17	46	8	46	22	42	23	66	69
Accidents (unintentional injuries)	36	14	29	11	29	12	32	14	33	13	32	10	36	15	29	7	29	21	29	23	50	65
Transport accidents	16	4	12	4	15	4	8	7	16	2	10	2	9	2	8	0	7	2	4	5	2	0
(295) Railway accidents	1	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0
Motor vehicle accidents	13	4	10	3	13	4	7	7	14	2	8	1	6	2	7	0	5	2	3	5	2	0
(296) Pedestrian involved in collision with motor vehicle	0	0	1	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	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, 2020

Cause of Death*	Age in Years and Sex																					
	35-39		40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80-84		85+	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
(298) Motorcyclist involved in any accident except collision with railway train	1	0	2	1	2	0	3	0	2	1	2	0	2	0	1	0	2	0	0	0	0	0
Motor vehicle accident involving collision with railway train	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(300) Other motor vehicle accident involving collision with railway train	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0
(302) Occupant of car, pickup truck or van involved in collision with other motor vehicle	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0	1	0	1	0
(304) Occupant of motor vehicle involved in noncollision accident	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(305) Occupant of special-use motor vehicle involved in any accident	2	0	0	0	0	1	0	1	1	0	0	0	1	0	0	0	2	0	0	1	1	0
(306) Other and unspecified motor vehicle accidents	9	4	7	1	11	3	2	5	9	1	6	1	3	2	6	0	0	2	2	3	0	0
(308) Other and unspecified land transport accidents	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
(309) Water transport accidents	0	0	0	0	1	0	0	0	0	0	0	0	2	0	1	0	1	0	0	0	0	0
(310) Air and space transport accidents	2	0	1	0	0	0	1	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0
(311) Other and unspecified transport accidents and their sequelae	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Falls	0	0	0	0	3	3	3	3	0	2	2	2	12	4	13	5	13	15	15	15	43	51
(312) Fall on same level	0	0	0	0	2	3	1	1	0	1	1	2	6	3	5	1	7	9	6	8	24	27
(313) Fall from one level to another	0	0	0	0	1	0	1	0	0	1	0	0	4	1	3	2	1	1	3	0	4	4
(314) Unspecified fall	0	0	0	0	0	0	1	2	0	0	1	0	2	0	5	2	5	5	6	7	15	20
(315) Accidental discharge of firearms	0	0	0	0	0	0	1	0	0	0	0	0	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	1	0	0	0
(317) Accidental drowning and submersion	1	2	0	0	2	0	1	0	2	0	2	0	2	1	1	0	3	0	1	0	0	0
(318) Accidental inhalation and ingestion of food or other objects causing obstruction of respiratory tract	0	0	1	0	0	1	0	1	2	1	1	0	1	0	1	0	1	0	3	1	3	4
(319) Other accidental and unspecified threats to breathing	0	0	0	0	0	0	1	0	0	1	0	0	0	1	1	0	0	0	0	0	1	0
(320) Accidental exposure to electric current	0	0	0	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	1	0	0	0	0	0	0	0	1	0	3	1	0	1	1	0	0	0	0	0	0	1
(324) Lightning	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
(325) Earthquake, volcanic eruption, avalanche landslide and other earth movements	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Accidental poisoning and exposure to noxious substances	16	8	13	7	8	4	15	2	10	7	11	3	4	2	2	0	0	1	2	1	0	0
(327) Accidental poisoning by and exposure to drugs and other biological substances	15	8	8	6	8	4	14	1	9	7	10	0	4	1	1	0	0	1	1	0	0	0
(328) Accidental poisoning by and exposure to other and unspecified solid or liquid substances	0	0	3	1	0	0	1	1	1	0	1	3	0	0	1	0	0	0	1	0	0	0
(329) Accidental poisoning by and exposure to other gases and vapors	1	0	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0
(330) All other and unspecified accidents and their sequelae	2	0	3	0	1	0	3	1	2	0	3	2	8	3	2	2	5	3	3	1	1	9
Intentional self-harm (suicide)	13	4	10	7	13	5	14	5	15	7	20	7	24	2	14	1	13	1	11	0	13	1
(331) Intentional self-poisoning (suicide) by and exposure to drugs and other biological substances	0	1	0	1	2	1	0	2	1	1	2	2	2	1	0	0	1	1	0	0	1	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	1	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	0	0	0	1	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
(334) Intentional self-harm (suicide) by hanging, strangulation and suffocation	5	2	0	2	2	2	4	0	5	0	2	0	1	1	2	0	4	0	0	0	0	0
(335) Intentional self-harm (suicide) by discharge of firearms	7	1	9	2	7	1	6	2	7	5	15	5	18	0	11	1	8	0	11	0	12	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, 2020

Cause of Death*	Age in Years and Sex																					
	35-39		40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80-84		85+	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
(336) Intentional self-harm (suicide) by jumping from a high place	0	0	0	0	0	0	1	0	2	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	1	0	1	1	1	0	1	1	0	1	1	0	2	0	1	0	0	0	0	0	0	0
Assault (homicide)	7	1	6	1	2	1	3	0	2	1	0	2	2	0	0	0	0	0	0	0	0	0
(338) Assault (homicide) by drugs, biological substances and other and unspecified noxious substances	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(339) Assault (homicide) by hanging, strangulation and suffocation	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
(340) Assault (homicide) by discharge of firearms	4	1	3	0	0	1	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
(341) Assault (homicide) by sharp object	2	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(342) Assault (homicide) by blunt object	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0
(343) Assault (homicide) by bodily force	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(345) Neglect, abandonment and other maltreatment syndromes	0	0	0	0	0	0	0	0	0	1	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	1	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0
Event of undetermined intent	0	1	1	1	0	0	1	0	1	0	1	1	0	0	0	0	0	0	0	0	1	0
(347) Poisoning by and exposure to drugs and biological substances, undetermined intent	0	0	1	1	0	0	0	0	0	0	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	0	0	0	0	0	0	1	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	0	0	0	0	0	0	0	0	0	0	0	0	1	0
(352) All other and unspecified events of undetermined intent and their sequelae	0	1	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
Legal intervention	1	0	1	0	2	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
(354) Other legal intervention and their sequelae	1	0	1	0	2	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
(355) Operations of war and their sequelae	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Complications of medical and surgical care	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	4	0	2	0	1	3
(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	1	0	0	0	0	0
(358) Other complications of medical and surgical care and their sequelae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3	0	2	0	1	3

* 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, 2020

Cause of Death**	Total				Male				Female			
	Total	White	AI/AN^	Other	Total	White	AI/AN^	Other	Total	White	AI/AN^	Other
All Causes	12,030	10,925	1,022	83	6,620	5,979	588	53	5,410	4,946	434	30
(3) Certain other intestinal infections	22	20	2	0	9	8	1	0	13	12	1	0
(#) Tuberculosis	3	3	0	0	2	2	0	0	1	1	0	0
(4) Respiratory tuberculosis	3	3	0	0	2	2	0	0	1	1	0	0
(9#) Septicemia	101	87	12	2	52	45	6	1	49	42	6	1
(14#) Viral hepatitis	20	15	5	0	12	10	2	0	8	5	3	0
(15#) Human immunodeficiency virus (HIV) disease	4	4	0	0	3	3	0	0	1	1	0	0
(17) Other and unspecified infectious and parasitic diseases and their sequelae	1,159	893	254	12	656	503	147	6	503	390	107	6
(#) Malignant neoplasms	2,139	2,036	93	10	1,173	1,114	54	5	966	922	39	5
(18) Malignant neoplasms of lip, oral cavity and pharynx	47	44	3	0	25	23	2	0	22	21	1	0
(19) Malignant neoplasm of esophagus	62	60	2	0	52	51	1	0	10	9	1	0
(20) Malignant neoplasm of stomach	19	18	1	0	13	12	1	0	6	6	0	0
(21) Malignant neoplasms of colon, rectum and anus	165	158	7	0	93	88	5	0	72	70	2	0
(22) Malignant neoplasms of liver and intrahepatic bile ducts	115	103	11	1	69	63	6	0	46	40	5	1
(23) Malignant neoplasm of pancreas	145	139	4	2	77	71	4	2	68	68	0	0
(24) Malignant neoplasm of larynx	14	13	1	0	11	10	1	0	3	3	0	0
(25) Malignant neoplasms of trachea, bronchus and lung	431	403	24	4	221	206	13	2	210	197	11	2
(26) Malignant melanoma of skin	30	29	1	0	19	18	1	0	11	11	0	0
(27) Malignant neoplasm of breast	138	129	9	0	2	2	0	0	136	127	9	0
(28) Malignant neoplasm of cervix uteri	10	10	0	0	0	0	0	0	10	10	0	0
(29) Malignant neoplasms of corpus uteri and uterus, part unspecified	41	40	1	0	0	0	0	0	41	40	1	0
(30) Malignant neoplasm of ovary	38	36	2	0	0	0	0	0	38	36	2	0
(31) Malignant neoplasm of prostate	144	139	5	0	144	139	5	0	0	0	0	0
(32) Malignant neoplasms of kidney and renal pelvis	61	57	4	0	37	35	2	0	24	22	2	0
(33) Malignant neoplasm of bladder	67	66	0	1	52	51	0	1	15	15	0	0
(34) Malignant neoplasms of meninges, brain and other parts of central nervous system	71	70	1	0	39	38	1	0	32	32	0	0
Malignant neoplasms of lymphoid, hematopoietic and related tissue	210	200	9	1	135	130	5	0	75	70	4	1
(35) Hodgkin's disease	4	4	0	0	2	2	0	0	2	2	0	0
(36) Non-Hodgkin's lymphoma	65	59	6	0	42	38	4	0	23	21	2	0
(37) Leukemia	80	76	3	1	48	47	1	0	32	29	2	1
(38) Multiple myeloma and immunoproliferative neoplasms	61	61	0	0	43	43	0	0	18	18	0	0
(40) All other and unspecified malignant neoplasms	331	322	8	1	184	177	7	0	147	145	1	1
(41#) In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior	61	59	2	0	34	33	1	0	27	26	1	0
(42#) Anemias	18	16	1	1	9	8	0	1	9	8	1	0
(43#) Diabetes mellitus	342	291	47	4	209	181	26	2	133	110	21	2
(#) Nutritional deficiencies	96	92	4	0	37	35	2	0	59	57	2	0
(44) Malnutrition	94	90	4	0	36	34	2	0	58	56	2	0
(45) Other nutritional deficiencies	2	2	0	0	1	1	0	0	1	1	0	0
(47#) Parkinson's disease	149	147	2	0	96	94	2	0	53	53	0	0
(48#) Alzheimer's disease	347	337	8	2	116	113	1	2	231	224	7	0
Major cardiovascular diseases	3,077	2,907	154	16	1,711	1,608	90	13	1,366	1,299	64	3
(#) Diseases of heart	2,423	2,290	119	14	1,421	1,333	77	11	1,002	957	42	3
(49) Acute rheumatic fever and chronic rheumatic heart diseases	33	33	0	0	9	9	0	0	24	24	0	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, 2020

Cause of Death**	Total				Male				Female			
	Total	White	AI/AN^	Other	Total	White	AI/AN^	Other	Total	White	AI/AN^	Other
(50) Hypertensive heart disease	157	147	10	0	71	65	6	0	86	82	4	0
(51) Hypertensive heart and renal disease	19	19	0	0	4	4	0	0	15	15	0	0
Ischemic heart diseases	1,383	1,300	75	8	951	892	53	6	432	408	22	2
(52) Acute myocardial infarction	229	212	17	0	145	132	13	0	84	80	4	0
(53) Other acute ischemic heart diseases	9	8	1	0	8	7	1	0	1	1	0	0
Other forms of chronic ischemic heart disease	1,145	1,080	57	8	798	753	39	6	347	327	18	2
(54) Atherosclerotic cardiovascular disease, so described	646	615	25	6	462	441	17	4	184	174	8	2
(55) All other forms of chronic ischemic heart disease	499	465	32	2	336	312	22	2	163	153	10	0
Other heart diseases	831	791	34	6	386	363	18	5	445	428	16	1
(56) Acute and subacute endocarditis	5	4	1	0	2	2	0	0	3	2	1	0
(57) Diseases of pericardium and acute myocarditis	3	2	1	0	1	1	0	0	2	1	1	0
(58) Heart failure	341	332	5	4	161	155	2	4	180	177	3	0
(59) All other forms of heart disease	482	453	27	2	222	205	16	1	260	248	11	1
(60#) Essential hypertension and hypertensive renal disease	99	93	6	0	41	36	5	0	58	57	1	0
(61#) Cerebrovascular diseases	453	426	25	2	192	183	7	2	261	243	18	0
(62#) Atherosclerosis	17	16	1	0	10	10	0	0	7	6	1	0
Other diseases of circulatory system	85	82	3	0	47	46	1	0	38	36	2	0
(63#) Aortic aneurysm and dissection	42	42	0	0	24	24	0	0	18	18	0	0
(64) Other diseases of arteries, arterioles and capillaries	43	40	3	0	23	22	1	0	20	18	2	0
(65) Other disorders of circulatory system	24	22	1	1	11	10	0	1	13	12	1	0
(#) Influenza and pneumonia	120	106	14	0	77	66	11	0	43	40	3	0
(66) Influenza	30	26	4	0	16	14	2	0	14	12	2	0
(67) Pneumonia	90	80	10	0	61	52	9	0	29	28	1	0
Other acute lower respiratory infections	1	1	0	0	1	1	0	0	0	0	0	0
(68#) Acute bronchitis and bronchiolitis	1	1	0	0	1	1	0	0	0	0	0	0
(#) Chronic lower respiratory diseases	663	635	28	0	332	314	18	0	331	321	10	0
(70) Bronchitis, chronic and unspecified	3	3	0	0	1	1	0	0	2	2	0	0
(71) Emphysema	50	48	2	0	29	28	1	0	21	20	1	0
(72) Asthma	9	9	0	0	6	6	0	0	3	3	0	0
(73) Other chronic lower respiratory diseases	601	575	26	0	296	279	17	0	305	296	9	0
(74#) Pneumoconioses and chemical effects	12	12	0	0	10	10	0	0	2	2	0	0
(75#) Pneumonitis due to solids and liquids	66	62	1	3	43	41	1	1	23	21	0	2
(76) Other diseases of respiratory system	150	143	7	0	95	92	3	0	55	51	4	0
(77#) Peptic ulcer	12	9	3	0	4	2	2	0	8	7	1	0
(78#) Diseases of appendix	2	2	0	0	2	2	0	0	0	0	0	0
(79#) Hernia	15	13	2	0	8	7	1	0	7	6	1	0
(#) Chronic liver disease and cirrhosis	236	163	73	0	135	99	36	0	101	64	37	0
(80) Alcoholic liver disease	178	117	61	0	105	73	32	0	73	44	29	0
(81) Other chronic liver disease and cirrhosis	58	46	12	0	30	26	4	0	28	20	8	0
(82#) Cholelithiasis and other disorders of gallbladder	16	15	1	0	6	6	0	0	10	9	1	0
(#) Nephritis, nephrotic syndrome and nephrosis	157	141	15	1	88	80	7	1	69	61	8	0
(83) Acute and rapidly progressive nephritic and nephrotic syndrome	5	4	1	0	2	2	0	0	3	2	1	0
(84) Chronic glomerulonephritis, nephritis and nephropathy not specified as acute or chronic, and renal sclerosis unspecified	4	3	1	0	3	2	1	0	1	1	0	0
(85) Renal failure	148	134	13	1	83	76	6	1	65	58	7	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, 2020

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	5	5	0	0	4	4	0	0	1	1	0	0
(88#) Hyperplasia of prostate	4	4	0	0	4	4	0	0	0	0	0	0
(#) Pregnancy, childbirth and the puerperium	5	4	1	0	0	0	0	0	5	4	1	0
(91) Other complications of pregnancy childbirth and the puerperium	5	4	1	0	0	0	0	0	5	4	1	0
(92#) Certain conditions originating in the perinatal period	21	16	3	2	12	10	1	1	9	6	2	1
(93#) Congenital malformations deformations and chromosomal abnormalities	37	30	6	1	21	16	4	1	16	14	2	0
(94) Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	80	64	12	4	35	28	6	1	45	36	6	3
(95) All other diseases (Residual)	1,736	1,625	106	5	825	764	57	4	911	861	49	1
(#) Accidents (unintentional injuries)	727	615	100	12	469	400	62	7	258	215	38	5
Transport accidents	228	175	49	4	161	129	30	2	67	46	19	2
(96) Motor vehicle accidents	205	157	45	3	140	113	26	1	65	44	19	2
(97) Other land transport accidents	9	5	4	0	7	3	4	0	2	2	0	0
(98) Water, air and space, and other and unspecified transport accidents and their sequelae	14	13	0	1	14	13	0	1	0	0	0	0
Nontransport accidents	499	440	51	8	308	271	32	5	191	169	19	3
(99) Falls	209	199	7	3	107	100	5	2	102	99	2	1
(100) Accidental discharge of firearms	3	3	0	0	3	3	0	0	0	0	0	0
(101) Accidental drowning and submersion	27	23	3	1	20	17	2	1	7	6	1	0
(102) Accidental exposure to smoke, fire and flames	13	11	2	0	8	6	2	0	5	5	0	0
(103) Accidental poisoning and exposure to noxious substances	152	122	26	4	109	91	16	2	43	31	10	2
(104) Other and unspecified nontransport accidents and their sequelae	95	82	13	0	61	54	7	0	34	28	6	0
(#) Intentional self-harm (suicide)	300	260	36	4	240	211	26	3	60	49	10	1
(105) Intentional self-harm (suicide) by discharge of firearms	189	172	16	1	166	150	15	1	23	22	1	0
(106) Intentional self-harm (suicide) by other and unspecified means and their sequelae	111	88	20	3	74	61	11	2	37	27	9	1
(#) Assault (homicide)	65	41	21	3	49	29	17	3	16	12	4	0
(107) Assault (homicide) by discharge of firearms	33	24	7	2	26	18	6	2	7	6	1	0
(108) Assault (homicide) by other and unspecified means and their sequelae	32	17	14	1	23	11	11	1	9	6	3	0
(109#) Legal intervention	9	7	2	0	9	7	2	0	0	0	0	0
Events of undetermined intent	14	8	6	0	9	7	2	0	5	1	4	0
(110) Discharge of firearms, undetermined intent	4	3	1	0	4	3	1	0	0	0	0	0
(111) Other and unspecified events of undetermined intent and their sequelae	10	5	5	0	5	4	1	0	5	1	4	0
(112#) Operations of war and their sequelae	2	2	0	0	2	2	0	0	0	0	0	0
(113#) Complications of medical and surgical care	13	13	0	0	10	10	0	0	3	3	0	0
(#) Enterocolitis due to Clostridium difficile	12	12	0	0	5	5	0	0	7	7	0	0
(#) COVID-19	1,118	855	251	12	631	478	147	6	487	377	104	6

* 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, 1953-2020

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*
2020	102	9.4	2,139	197.9	342	31.6	2,423	224.2	65	6.0	205	18.9	157	14.5	522	48.3	90	8.3	300	27.7
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
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

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, 1953-2020

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*
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, 1960-2020

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
2020	1,173	966	144	2	136	221	210	93	72	52	15	41	44	25	38	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
1978	703	530	113	1	95	199	86	85	72	26	9	22	24	17	36	38	26	14	217	153

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, 1960-2020

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
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, 2020

Cause of Death	Total	0 to 7 Days	8 to 27 Days	28 Days to One Year
All Causes	57	27	6	24
Certain infectious and parasitic diseases	1	0	0	1
(20) All other and unspecified infectious and parasitic diseases	1	0	0	1
Endocrine, nutritional and metabolic diseases	2	1	0	1
(29#) Nutritional deficiencies	1	0	0	1
(32) All other endocrine, nutritional and metabolic diseases	1	1	0	0
(#) Diseases of the circulatory system	1	0	0	1
(43) Cerebrovascular diseases	1	0	0	1
Diseases of the digestive system	1	0	0	1
(54#) Hernia of abdominal cavity and intestinal obstruction without hernia	1	0	0	1
Diseases of the genitourinary system	1	0	1	0
(57) Other and unspecified diseases of genitourinary system	1	0	1	0
Certain conditions originating in the perinatal period	20	17	3	0
Newborn affected by maternal factors and by complications of pregnancy, labor and delivery	5	5	0	0
# Newborn affected by maternal complications of pregnancy	1	1	0	0
(61) Newborn affected by premature rupture of membranes	1	1	0	0
(#) Newborn affected by complications of placenta, cord and membranes	4	4	0	0
(64) Newborn affected by complications involving placenta	2	2	0	0
(66) Newborn affected by chorioamnionitis	2	2	0	0
Disorders related to length of gestation and fetal malnutrition	6	6	0	0
(#) Disorders related to short gestation and low birth weight, not elsewhere classified	6	6	0	0
(71) Extremely low birth weight or extreme immaturity	5	5	0	0
(72) Other low birth weight or preterm	1	1	0	0
(#) Intrauterine hypoxia and birth asphyxia	1	1	0	0
(76) Birth asphyxia	1	1	0	0
Infections specific to the perinatal period	2	1	1	0
(85#) Bacterial sepsis of newborn	2	1	1	0
Hemorrhagic and hematological disorders of newborn	2	2	0	0
(88#) Neonatal hemorrhage	1	1	0	0
(91#) Hematological disorders	1	1	0	0
(93#) Necrotizing enterocolitis of newborn	2	0	2	0
(95) Other perinatal conditions	2	2	0	0
(#) Congenital malformations, deformations and chromosomal abnormalities	13	9	2	2
(99) Other congenital malformations of nervous system	1	0	0	1
(100) Congenital malformations of heart	3	1	1	1
(101) Other congenital malformations of circulatory system	1	1	0	0
(102) Congenital malformations of respiratory system	2	1	1	0
(104) Congenital malformations of genitourinary system	2	2	0	0
(105) Congenital malformations and deformations of musculoskeletal system, limbs and integument	1	1	0	0
(107) Edward's syndrome	2	2	0	0
(108) Patau's syndrome	1	1	0	0
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	13	0	0	13
(111#) Sudden infant death syndrome	3	0	0	3
(112) Other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	10	0	0	10
External causes of mortality	5	0	0	5
(#) Accidents (unintentional injuries)	4	0	0	4
(118) Accidental drowning and submersion	1	0	0	1
(119) Accidental suffocation and strangulation in bed	3	0	0	3
(#) Assault (homicide)	1	0	0	1
(125) Assault (homicide) by hanging, strangulation and suffocation	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, 1996-2020

Year	Births	0-7 Days	8-27 Days	28 Days - 1 Year	Infant Deaths	Infant Death Rate*
2016-2020	57,463	137	25	134	303	5.3
2011-2015	61,453	173	46	127	349	5.7
2006-2010	61,869	156	45	171	376	6.1
2001-2005	56,463	178	40	144	364	6.4
1996-2000	54,191	167	35	159	365	6.7

* Rate per 1,000 live births

Table D-7

Frequency of Maternal and Late Maternal Deaths* by Year

Montana Residents, 2010-2020

Cause of Death	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
Total, All Maternal and Late Maternal Causes	5	4	3	4	1	1	4	6	2	7	2
Maternal causes (A34,O00-O95,O98-O99)	3	2	2	2	1	0	3	4	0	5	1
Pregnancy with abortive outcome (O00-O07)	0	0	0	0	0	0	0	0	0	0	0
Ectopic pregnancy (O00)	0	0	0	0	0	0	0	0	0	0	0
Spontaneous abortion (O03)	0	0	0	0	0	0	0	0	0	0	0
Medical abortion (O04)	0	0	0	0	0	0	0	0	0	0	0
Other abortion (O05)	0	0	0	0	0	0	0	0	0	0	0
Other and unspecified pregnancy with abortive outcome (O01-O02,O06-O07)	0	0	0	0	0	0	0	0	0	0	0
Other direct obstetric causes (A34,O10-O92)	2	1	2	1	0	0	3	3	0	1	0
Eclampsia and pre-eclampsia (O11,O13-O16)	0	0	2	0	0	0	0	1	0	1	0
Hemorrhage of pregnancy and childbirth and placenta previa (O20,O44-O46,O67,O72)	0	0	0	0	0	0	0	0	0	0	0
Complications predominately related to the puerperium (A34,O85-O92)	1	0	0	0	0	0	0	0	0	0	0
Obstetrical tetanus (A34)	0	0	0	0	0	0	0	0	0	0	0
Obstetric embolism (O88)	1	0	0	0	0	0	0	0	0	0	0
Other complications predominately related to the puerperium O85-O87,O89-O92)	0	0	0	0	0	0	0	0	0	0	0
All other direct obstetric causes (O10,O12,O21-O43,O47-O66,O68-O71,O73-O75)	1	1	0	1	0	0	3	2	0	0	0
Obstetric death of unspecified cause (O95)	0	0	0	0	0	0	0	1	0	1	1
Indirect obstetric causes (O98-O99)	1	1	0	1	1	0	0	0	0	3	0
Maternal causes more than 42 days after delivery or termination of pregnancy (O96-O97)	2	2	1	2	0	1	1	2	2	2	1
Death from any obstetric cause occurring more than 42 days but less than one year after delivery (O96)	2	2	1	2	0	1	1	2	2	2	1
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, 2016-2020

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	16.7	15.5	24.4	22,910	382,163	0	73.9	77	78	62	109	17.8	52,529
HIV Infection	21.8	14.0	33.0	17	371	27	53.2	52	61.5	40.5	74	13.9	17
Cancer	11.5	11.3	13.8	5,607	64,469	2	72.6	73	74	67	106	12.6	10,450
Diabetes	13.9	13.1	16.7	758	10,536	22	72.4	74	76	65	107	14.4	1,491
Alzheimer's Disease	6.4	6.4	2.0	102	649	51	86.5	88	88	85	105	7.6	1,581
Heart Disease	12.0	11.5	16.6	4,175	50,225	0	78.0	80	81	67	108	13.9	11,351
Cerebrovascular Disease	12.3	11.6	18.9	565	6,976	0	80.4	83	83	73	106	13.2	2,211
Atherosclerosis	9.4	8.9	17.0	49	461	37	76.5	75	77	64	104	12.6	105
Influenza & Pneumonia	14.7	13.2	20.4	237	3,490	0	79.1	83	84	69	103	15.9	759
Chronic Lower Respiratory Diseases	9.3	9.2	10.0	1,416	13,163	17	76.8	78	78	74	104	11.1	3,586
Chronic Liver Disease & Cirrhosis	20.1	17.3	26.4	838	16,885	22	57.4	58	61	49	94	13.5	926
Nephritis, Nephrotic Syndrome & Nephrosis	10.8	9.3	15.9	263	2,846	0	78.1	80	81	68	104	13.1	729
Congenital Malformations & Chromosomal Anomalies	46.7	43.8	63.8	161	7,520	0	34.0	36	46	1	100	31.7	179
Conditions Originating in Perinatal Period	74.0	73.7	75.0	118	8,737	0	1.0	0	0	0	61	6.6	118
Sudden Infant Death Syndrome	75.0	75.0	75.0	9	675	0	0.0	0	0	0	0	0.0	9
COVID-19	11.1	9.4	13.2	441	4,891	29	76.9	79	81	69	103	13.1	1,118
Motor Vehicle Accidents	35.5	33.5	42.3	864	30,692	0	43.5	40	44	30	100	21.3	953
Non-Motor Vehicle Accidents	26.8	25.7	32.6	1,307	35,018	0	64.4	67	71	44	109	23.7	2,230
Suicide	32.6	30.9	45.2	1,291	42,125	11	46.2	45	48	27	97	20.0	1,429
Homicide	40.1	38.4	43.3	224	8,979	0	35.8	34	36	31	95	19.4	228
Other Causes	16.4	15.1	24.8	4,468	73,455	0	77.2	81	82	62	109	17.1	13,059

* 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, 2020

Cause of Death	All Gestational Ages	Less Than 23 Weeks	23 to 33 Weeks	34 Weeks or More
All Causes	41	9	24	8
Certain conditions originating in the perinatal period	29	6	16	7
(#) Fetus affected by maternal conditions that may be unrelated to present pregnancy	6	1	4	1
(17) Fetus affected by maternal hypertensive disorders	1	0	1	0
(19) Fetus affected by maternal infectious and parasitic diseases	1	0	1	0
(24) Fetus affected by other medical procedures and maternal conditions	4	1	2	1
(#) Fetus affected by maternal complications of pregnancy	3	1	2	0
(27) Fetus affected by premature rupture of membranes	2	0	2	0
(340 Fetus affected by other and unspecified maternal complications of pregnancy	1	1	0	0
(#) Fetus affected by complications of placenta, cord and membranes	10	4	4	2
(36) Fetus affected by other forms of placental separation and hemorrhage	4	2	2	0
(40) Fetus affected by other compression of umbilical cord	3	0	1	2
(41) Fetus affected by other and unspecified conditions of umbilical cord	2	1	1	0
(42) Fetus affected by chorioamnionitis	1	1	0	0
(52#) Fetus affected by noxious influences transmitted via placenta	1	0	0	1
Transitory endocrine and metabolic disorders specific to fetus	1	0	0	1
(84#) Syndrome of infant of a diabetic mother and neonatal diabetes mellitus	1	0	0	1
Other conditions originating in the perinatal period	8	0	6	2
(87#) Hydrops fetalis not due to hemolytic disease	2	0	2	0
(88#) Fetal death of unspecified cause	6	0	4	2
(#) Congenital malformations, deformations and chromosomal abnormalities	12	3	8	1
Congenital malformations of nervous system	1	1	0	0
(100) Spina bifida	1	1	0	0
(103) Congenital malformations of heart	3	1	1	1
(104) Other congenital malformations of circulatory system	1	1	0	0
(106) Other congenital malformations of respiratory system	1	0	1	0
(107) Congenital malformations of digestive system	2	0	2	0
Chromosomal abnormalities, not elsewhere classified	4	0	4	0

* 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, 2003-2020

Year	Age in Years																
		Younger than 15		15 - 19		20 - 24		25 - 29		30 - 34		35 - 39		40 and Older		Not Stated	
	Total	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
2020	1,675	6	‡	200	12.0%	460	27.6%	445	26.7%	304	18.2%	191	11.4%	69	4.1%	0	0.0%
2019	1,568	5	‡	157	10.0%	458	29.3%	454	29.1%	269	17.2%	161	10.3%	64	4.1%	0	0.0%
2018	1,674	†	‡	184	11.0%	479	28.8%	467	28.0%	307	18.4%	172	10.3%	59	3.5%	†	‡
2017	1,561	†	‡	185	11.9%	484	31.2%	428	27.5%	231	14.8%	165	10.6%	63	4.0%	†	‡
2016	1,618	†	‡	169	10.5%	505	31.4%	419	26.0%	276	17.1%	173	10.7%	71	4.4%	†	‡
2015	1,611	†	‡	201	12.5%	515	32.1%	419	26.1%	269	16.7%	145	9.0%	58	3.6%	†	‡
2014	1,690	†	‡	229	13.6%	573	34.1%	437	26.0%	259	15.4%	137	8.1%	50	2.9%	†	‡
2013	1,842	10	‡	241	13.2%	609	33.4%	450	24.6%	296	16.2%	174	9.5%	62	3.4%	0	0.0%
2012	2,031	10	‡	298	14.8%	695	34.5%	482	23.9%	296	14.7%	170	8.4%	80	3.9%	0	0.0%
2011	2,147	6	‡	356	16.6%	730	34.1%	507	23.7%	297	13.9%	159	7.4%	92	4.3%	0	0.0%
2010	2,160	11	‡	341	15.9%	760	35.5%	509	23.8%	291	13.6%	178	8.3%	70	3.2%	0	0.0%
2009	2,223	8	‡	395	17.9%	736	33.3%	540	24.4%	285	12.9%	188	8.5%	70	3.1%	†	‡
2008	2,125	12	‡	395	18.8%	753	35.8%	479	22.8%	271	12.9%	160	7.6%	54	2.5%	†	‡
2007	2,238	8	‡	418	18.8%	818	36.8%	479	21.5%	261	11.7%	182	8.1%	72	3.2%	0	0.0%
2006	2,119	13	‡	400	19.1%	773	36.9%	453	21.6%	234	11.1%	158	7.5%	87	4.1%	†	‡
2005	2,155	7	‡	467	21.8%	737	34.4%	412	19.2%	289	13.5%	170	7.9%	72	3.3%	†	‡
2004	2,256	9	‡	443	19.8%	786	35.1%	483	21.6%	250	11.1%	183	8.1%	101	4.5%	†	‡
2003	2,213	9	‡	464	21.2%	742	33.9%	471	21.5%	255	11.6%	179	8.1%	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, 2003-2020

Year	Completed Weeks of Gestation														
		8 or Fewer Weeks		9 - 13 Weeks		14 - 15 Weeks		16 - 17 Weeks		18 - 20 Weeks		21 or More Weeks		Not Stated	
	Total	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
2020	1,675	1218	73.5%	358	21.6%	39	2.3%	29	1.7%	22	1.3%	†	‡	6	‡
2019	1,568	1101	71.2%	337	21.7%	51	3.2%	34	2.1%	34	2.1%	11	‡	0	0.0%
2018	1,674	1129	68.5%	410	24.8%	55	3.3%	33	2.0%	34	2.0%	10	‡	†	‡
2017	1,561	1046	68.1%	379	24.6%	53	3.4%	34	2.2%	36	2.3%	13	‡	0	0.0%
2016	1,618	1031	64.7%	423	26.5%	75	4.7%	41	2.5%	35	2.1%	11	‡	†	‡
2015	1,611	1044	65.7%	407	25.6%	62	3.9%	47	2.9%	40	2.5%	8	‡	†	‡
2014	1,690	1127	67.5%	405	24.2%	64	3.8%	37	2.2%	46	2.7%	9	‡	†	‡
2013	1,842	1268	69.6%	415	22.8%	73	4.0%	36	1.9%	39	2.1%	11	‡	0	0.0%
2012	2,031	1399	69.8%	487	24.3%	68	3.3%	32	1.5%	31	1.5%	14	‡	0	0.0%
2011	2,147	1491	70.0%	520	24.4%	61	2.8%	27	1.2%	39	1.8%	9	‡	0	0.0%
2010	2,160	1497	70.3%	513	24.1%	57	2.6%	35	1.6%	42	1.9%	12	‡	†	‡
2009	2,223	1506	68.4%	546	24.8%	75	3.4%	46	2.0%	39	1.7%	10	‡	†	‡
2008	2,125	1344	64.0%	627	29.8%	67	3.1%	33	1.5%	40	1.9%	10	‡	†	‡
2007	2,238	1389	62.6%	669	30.1%	61	2.7%	49	2.2%	59	2.6%	†	‡	7	‡
2006	2,119	1167	55.2%	769	36.3%	88	4.1%	45	2.1%	47	2.2%	†	‡	†	‡
2005	2,155	1155	53.6%	753	34.9%	99	4.5%	62	2.8%	63	2.9%	22	1.0%	†	‡
2004	2,256	1164	51.5%	822	36.4%	86	3.8%	60	2.6%	92	4.0%	32	1.4%	0	0.0%
2003	2,213	1185	53.8%	775	35.2%	99	4.5%	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, 2003-2020

Year	Method										
		Surgical		Medical		Intrauterine Instillation		Hysterectomy or Hysterotomy		Not Stated	
	Total	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
2020	1,675	579	34.6%	1094	65.4%	0	0.0%	†	‡	0	0.0%
2019	1,568	652	41.5%	916	58.4%	0	0.0%	0	0.0%	0	0.0%
2018	1,674	740	44.3%	932	55.8%	0	0.0%	0	0.0%	†	‡
2017	1,561	655	42.0%	905	58.0%	0	0.0%	0	0.0%	†	‡
2016	1,618	785	48.5%	833	51.4%	0	0.0%	0	0.0%	0	0.0%
2015	1,611	832	51.6%	779	48.3%	0	0.0%	0	0.0%	0	0.0%
2014	1,690	822	48.6%	868	51.3%	0	0.0%	0	0.0%	0	0.0%
2013	1,842	1052	57.1%	789	42.8%	†	‡	0	0.0%	0	0.0%
2012	2,031	1175	57.8%	856	42.1%	0	0.0%	0	0.0%	0	0.0%
2011	2,147	1332	62.0%	814	37.9%	†	‡	0	0.0%	0	0.0%
2010	2,160	1404	65.0%	756	35.0%	0	0.0%	0	0.0%	0	0.0%
2009	2,223	1455	65.6%	765	34.5%	†	‡	†	‡	0	0.0%
2008	2,125	1519	71.5%	605	28.4%	0	0.0%	0	0.0%	†	‡
2007	2,238	1678	74.9%	499	22.2%	0	0.0%	0	0.0%	61	2.7%
2006	2,119	1887	89.0%	232	10.9%	0	0.0%	0	0.0%	0	0.0%
2005	2,155	2005	93.0%	150	6.9%	0	0.0%	0	0.0%	0	0.0%
2004	2,256	2137	94.7%	119	5.2%	0	0.0%	0	0.0%	0	0.0%
2003	2,213	2116	95.6%	97	4.3%	0	0.0%	0	0.0%	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, 2003-2020

Year	Race						
		White		AI/AN		Other	
	Total	Number	Percent	Number	Percent	Number	Percent
2020	1,675	1471	87.8%	148	8.8%	56	3.3%
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, 2003-2020

Year	Number of Previous Induced Abortions										
		0		1		2		3 or More		Not Stated	
	Total	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
2020	1,675	722	43.1%	631	37.6%	218	13.0%	104	6.2%	0	0.0%
2019	1,568	643	41.0%	622	39.6%	199	12.6%	104	6.6%	0	0.0%
2018	1,674	628	37.5%	690	41.2%	236	14.0%	120	7.1%	0	0.0%
2017	1,561	552	35.3%	691	44.2%	238	15.2%	80	5.1%	0	0.0%
2016	1,618	618	38.1%	664	41.0%	260	16.0%	76	4.6%	0	0.0%
2015	1,611	563	34.9%	716	44.4%	221	13.7%	111	6.8%	0	0.0%
2014	1,690	427	25.2%	934	55.2%	220	13.0%	109	6.4%	0	0.0%
2013	1,842	612	33.2%	831	45.1%	266	14.4%	133	7.2%	0	0.0%
2012	2,031	810	39.8%	823	40.5%	284	13.9%	114	5.6%	0	0.0%
2011	2,147	837	38.9%	877	40.8%	291	13.5%	142	6.6%	0	0.0%
2010	2,160	894	41.3%	805	37.2%	307	14.2%	154	7.1%	0	0.0%
2009	2,223	852	38.3%	891	40.0%	316	14.2%	164	7.3%	0	0.0%
2008	2,125	754	35.4%	905	42.5%	324	15.2%	142	6.6%	0	0.0%
2007	2,238	722	32.2%	1001	44.7%	341	15.2%	174	7.7%	0	0.0%
2006	2,119	782	36.9%	908	42.8%	299	14.1%	130	6.1%	0	0.0%
2005	2,155	1293	60.1%	571	26.5%	193	8.9%	96	4.4%	†	‡
2004	2,256	1407	62.3%	566	25.0%	181	8.0%	102	4.5%	0	0.0%
2003	2,213	1431	64.6%	543	24.5%	168	7.5%	71	3.2%	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-6

Frequency and Percent of Induced Abortions
by Number of Previous Live Births and Year
Montana Occurrences, 2003-2020

Year	Number of Previous Live Births												
		0		1		2		3		4 or More		Not Stated	
	Total	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
2020	1,675	823	49.1%	330	19.7%	298	17.8%	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	0.0%
2018	1,674	795	47.4%	343	20.4%	301	17.9%	150	8.9%	85	5.0%	0	0.0%
2017	1,561	752	48.2%	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	0.0%
2015	1,611	820	50.9%	355	22.0%	249	15.4%	126	7.8%	61	3.7%	0	0.0%
2014	1,690	847	50.1%	414	24.4%	260	15.3%	110	6.5%	59	3.4%	0	0.0%
2013	1,842	928	50.3%	412	22.3%	295	16.0%	137	7.4%	70	3.8%	0	0.0%
2012	2,031	1031	50.7%	420	20.6%	370	18.2%	144	7.0%	66	3.2%	0	0.0%
2011	2,147	1126	52.4%	441	20.5%	354	16.5%	153	7.1%	72	3.3%	†	‡
2010	2,160	1055	48.8%	504	23.3%	356	16.4%	162	7.5%	83	3.8%	0	0.0%
2009	2,223	1038	46.6%	541	24.3%	386	17.3%	162	7.2%	96	4.3%	0	0.0%
2008	2,125	1046	49.2%	516	24.2%	352	16.5%	132	6.2%	79	3.7%	0	0.0%
2007	2,238	1115	49.8%	503	22.4%	394	17.6%	149	6.6%	76	3.3%	†	‡
2006	2,119	1097	51.7%	449	21.1%	356	16.8%	151	7.1%	66	3.1%	0	0.0%
2005	2,155	1076	50.0%	501	23.2%	357	16.5%	158	7.3%	61	2.8%	†	‡
2004	2,256	1102	48.8%	492	21.8%	434	19.2%	149	6.6%	79	3.5%	0	0.0%
2003	2,213	1069	48.3%	545	24.6%	378	17.0%	155	7.0%	66	2.9%	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.