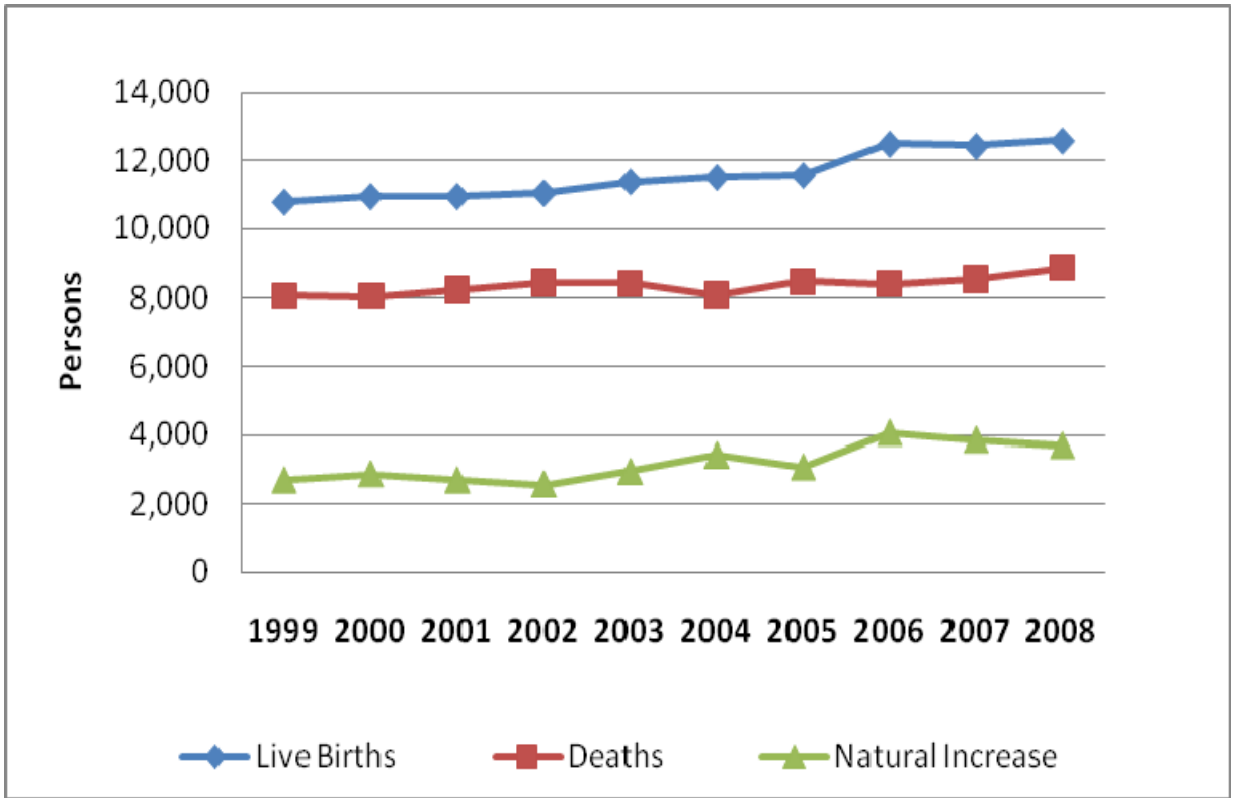
2008

MONTANA

VITAL STATISTICS

Live Births, Deaths, and Natural Increase to Population
Montana Residents, 1999-2008



MONTANA
Department of Public Health & Human Services

OFFICE OF VITAL STATISTICS

"It is the mission of the Office of Vital Statistics to build and maintain a complete, uniform system of accurate vital information which satisfies the legal requirements of individuals and their families, provides timely and convenient access for research and statistical needs for planning at the local, state, and national levels, and ensures the security of the information guaranteed by law."

The Office of Vital Statistics:

Maintains a permanent public record of each birth, death, and fetal death filed in Montana since 1907.

Maintains statistical information and statewide indexes for each marriage and marital termination that has occurred in Montana since July 1943.

Develops forms, standards, and guidelines for registration or reporting of all vital events occurring in the State of Montana.

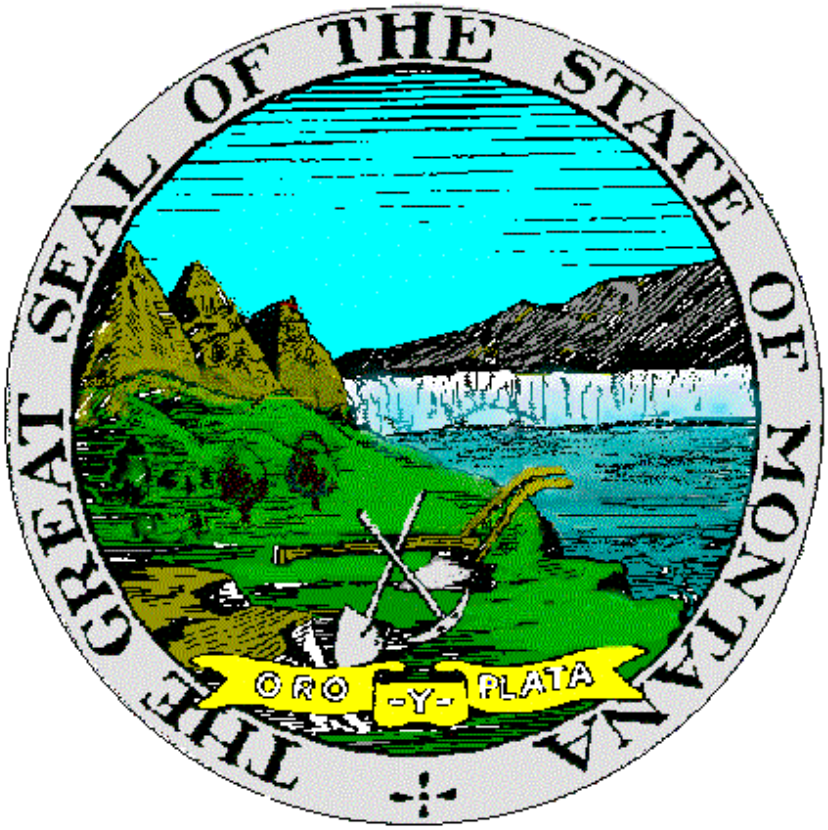
Directs and monitors the functions of 56 local registrars to assure statewide compliance with the statutory mandate for uniform application of registration laws, policies, and procedures.

Provides certified copies of birth, death, and fetal death certificates and processes certificate corrections, adoptions, legitimations, and delayed birth certificates.

Prepares and maintains computer files of State birth, death, fetal death, induced abortion, marriage, marital termination (divorce) data and monitors these files for data quality.

Builds and continues cooperative relationships with federal, state, and local agencies--including the National Center for Health Statistics--that collect, maintain, and use vital records and health statistics.

Provides statistical data tabulations and analyses in support of health policy development, status assessment, and service assurance.



The Honorable Brian Schweitzer
Governor of Montana

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INTRODUCTION

This report was prepared by the Montana Department of Public Health and Human Services (DPHHS), Office of Vital Statistics (OVS). The following organizations also provided information: The Judicial Case Management System (JCMS) of the Montana District Court System provided marriage and divorce data. National data on mortality and natality, as well as Montana population estimates, are provided be the National Center for Health Statistics (NCHS) and provide context for interpretation of Montana vital events. The report provides a reference to some of the more frequently used Montana vital statistics. Because it is intended primarily for reference, analysis and interpretation of the data are limited. These reports, and several additional tabulations, are available on the Montana Vital Statistics website: http://www.dphhs.mt.gov/statisticalinformation/vitalstats/index.shtml. More detailed tabulations and analyses are available on request, as time and resources permit. Requests should be directed to the Research Specialist at OVS (444-1756 or bschwartz@mt.gov).

A general discussion of the findings, with descriptive figures, appears on pages 13 through 50. Vital statistics reference tables for 2008 appear on pages 08-1 through 08-53. Where space permits, data for one or more prior years are provided for comparison. A "List of Reference Tables"--starting on page 08-iii --describes each of the reference tables by its contents and location. 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
M	marriage statistics
C	cancer incidence statistics
R	reportable (communicable) disease statistics

Records collected by the OVS provide the majority of data for these statistics and tabulations. These records include certificates of birth, death, and fetal death, as well as transcripts of marriage and legally induced abortions. Any other source of data--such as those mentioned above--is cited in the text or table where the data are used.

VITAL REGISTRATION AND DATA COLLECTION

Registration of births, deaths, and fetal deaths is a legal requirement. 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 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 is unknown, when the period of gestation was determined to be 20 weeks or more. Montana vital statistics law makes marriage and marital termination 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 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. All birth, death and fetal death certificates are permanently filed with and maintained by the OVS. The office maintains electronic records of all events in Montana's Vital Statistics System.

With the exception of reports of marital termination, which since October 1998 have been collected and edited by the Justice Case Management System (JCMS) and forwarded electronically to this office, 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 events, regardless of how they are acquired, are maintained in electronic files. Vital records files contain the legal portions of the certificates and reports. Vital statistics files contain statistical information without identification of individuals.

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, modifying these forms as information requirements change. The following statistical data on these vital events are available for analysis:

NATALITY (1989-Current Data Year)

- Date, hour, and place of birth.
- Age, race, ancestry, education, and birthplace of the parents; place of residence and marital status of the mother.
- Pregnancy history, including number of prior pregnancies, date and results of last prior pregnancy; date of last normal menses; month in which prenatal care began and number of prenatal visits; medical risk factors of the mother during the pregnancy; tobacco and alcohol use, and weight gain.
- Birth process (including whether the mother was transferred to the hospital), obstetric procedures, complications of labor and delivery, method of delivery, and clinical estimate of gestation.
- Infant's sex, plurality, birth order, birthweight, and APGAR scores; the prophylactic used in the infant's eyes; reported 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; and maternal morbidity.

MORTALITY (1989- Current Data Year)

- Date, hour, and place of death. Date, hour, and place of death; decedent's age at death, sex, race, ancestry, education, marital status, birthplace, and place of residence.
- Underlying cause 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. If death resulted from an injury at work, the industry in which the decedent was employed is recorded. Tobacco use as a contributing cause, pregnancy at or near the time of death, and membership in the armed forces. (These last three items are available for data years 2003 and forward only)

FETAL MORTALITY (1989- Data Year)

- Date, hour, and place of delivery.
- Age, race, ancestry, and education of parents; place of residence and marital status of the mother.
- Cause of fetal death; the 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.

MARRIAGE (1993- Data Year)

- Date and place of license issuance; date and place of marriage.
- Age, race, education, birthplace, and residence of the bride and groom.
- Previous marital history, including number of prior marriages and reason for termination of the most recent prior marriage (death or divorce), if applicable.

MARITAL TERMINATION (1993- 1998)

- Date and place of decree; type of termination (dissolution or invalid marriage); legal grounds for invalid marriage; whether the marriage was terminated in tribal or district court.
- Age, race, education, birthplace, and residence of wife and husband.
- Number of this marriage; reason for termination of the most recent prior marriage for each party; date the couple last lived in the same household; length of marriage; and petitioner.
- Number of children born alive of this marriage; number of children under 18 years of age in the household; number of children whose custody was awarded to the wife, husband, both, or another party.

INDUCED ABORTION (1989- Current Data Year)

- Date and place of procedure.
- Age, ancestry, race, 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 includes vital records, reports, and transcripts for calendar year 2008 received before July 15, 2009. 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 ensures reporting in a timely manner.

GEOGRAPHIC ALLOCATION

Table titles or footnotes indicate whether Vital Statistics are shown by place of residence or place of occurrence. For example, if a resident of Florida is killed in an automobile accident in Montana, the death is counted as a Montana occurrence but is included in Florida's residence statistics. Births, deaths, and fetal deaths may be tabulated either way. For deaths, the place of residence is the usual state and county of residence of the decedent. For births and fetal deaths, the place of residence of the child is the usual state and county of residence of the mother. Place, as recorded on Vital Records, is specific to the time of the event, 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 the provinces of Canada 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 not available for all states, so all tabulations of abortion data, except those in **Table S-6,** are for Montana occurrences. The resident statistics in this table reflect only in-state occurrences to Montana residents.

While we can determine 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 by 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 causal and chronological sequence of events leading to death. The attending physician or coroner completes this section of the death certificate. It consists of two parts. Part I is used for reporting the conditions leading directly to death and, for each, the interval between onset of the conditions and death. Part II is for reporting any important diseases or conditions that influenced the course of the illness or trauma unfavorably, thus contributing to the fatal outcome, but that were not related to the immediate cause of death. For example, a medical certification might read as follows:

Part I. Death was caused by:			Duration
Immediate cause	Due to	(a) *postoperative bronchial pneumonia*	*3 days*
	Due to	(b) *lobectomy*	*1 week*
Underlying cause	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. 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."

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 instances, the probable underlying cause is determined using a system of rules developed by NCHS.

MARRIAGE AND MARITAL TERMINATION

Reliance on national marriage and marital termination statistics is limited by differences in data collection and data availability at or below the state level. Marriage, marital termination and residency 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 from state to state.

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

POPULATION ESTIMATES

All rates per 1,000 or per 100,000 population in this report are based on population data provided by the U.S. Census Bureau or NCHS. In recent years, OVS 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. 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. OVS uses the latest available updates of these population estimates for such calculations. Further explanation can be found at the following web site: http://www.cdc.gov/nchs/nvss/bridged_race.htm.

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 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 likely does 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 "Native American." The proportion of persons in Montana reported as being of Hispanic ancestry is so small, however, that creating racial categories based on combined racial and Hispanic classifications 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 that table. Those for whom race is not reported are therefore included in the "Other" category in these reference tables. According to the 2000 Census, more than 90% of Montana's population at the time considered itself white, while indicating no other racial classification. Another two percent of the population considered itself white in combination with some other racial classification, such as African American or American Indian (Native American). Thus, classifying persons of unknown race as "Other" could introduce an unknown, but probably slight, bias into statistics calculated from the data in these tables.

While only one race was previously reported on all vital event records, multiple races are now recorded on live birth, death, fetal death, and induced abortion records. Marriage and divorce forms still contain only single-race items. Beginning in 2003, informants were asked whether the decedent belonged to one or more of 14 specific racial groups or any other unspecified race. Similar changes were made to the induced abortion report in 2007 and the live birth and fetal death certificates in 2008. Informants were encouraged to “check one or more races” to indicate what the decedents, parents, or patients considered themselves to be. They were also encouraged to identify any racial or ethnic group or tribal affiliation that applied. OVS examines each of the death records received for the decedent’s national heritage, including affiliation with a known American Indian tribe, and classifies any record with such an affiliation accordingly.

For purposes of tabulating death and abortion 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 the informant provided. NCHS “bridges” those records for which two or more races are reported; a “main” race is assigned using a probabilistic model. Bridged race categories are intended for the calculation of population-based rates. For births and fetal deaths, still reported in the single-race format in 2007, the race of the infant or fetus is defined as the reported 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 birth certificate as married "at birth, conception, or any time in between". Status is designated “Married” on the fetal death certificate if the mother was married "at delivery, conception, or any time in between".

Marital status for death and abortion records is "Married or Separated," "Divorced," "Widowed," or "Single" as described by the informant. The "Divorced" designation on such records includes both marital dissolutions (formerly called divorces) and invalid marriages (formerly called annulments).

LIMITATIONS OF SMALL NUMBERS

The occurrence of vital events is subject to chance variation. For example, a birth at 11:59 P.M. on December 31 would be counted in one year. If the infant had been born two minutes later at 12:01 A.M., the birth would be counted in the following year. This phenomenon is not of great importance for states or counties with large populations, since the relative number of births is not greatly affected by one event. However, for Montana counties, with relatively small populations, the occurrence of an event in one year rather than the next could change the pattern of events and might lead to mistaken conclusions about trends in the county's birth rate.

Rates or trends based on small numbers, perhaps less than 100, <u>must be interpreted with caution</u>. Meaningful conclusions cannot be drawn based on frequencies of less than five. This report provides the frequency and rate in all tables where rates based on small numbers of events may appear so readers can gauge the reliability of these rates for themselves.

Similarly, percentages based on small totals can be misleading. For example, if three of ten births in a county were to mothers aged 18 or 19 years, the distribution of births by mother's age would show that 30% of the county's births were to teenagers. While accurate, this statistic is probably of limited value for making policy.

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 shown in **Table D-8** or those displayed in **Figure 11**. OVS has 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. All occurrence statistics include events that occurred in Montana to residents of other states. 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.

USE OF RATES AND RATIOS

It is sometimes quite 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, that fact is indicated in the title or footnote of the table or graph.

However, 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 of crude rates are given in the DEFINITIONS section below.

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 here.

ABORTION - the spontaneous or induced termination of a pregnancy, without live birth or unintended death.

ABORTION RATIO - the number of induced abortions reported to the OVS, compared to 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 events, such as cancer incidence. For all events in this report other than the incidence of communicable diseases, 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 was assumed to be the 15th for the calculation of age in years.

AGE-ADJUSTED DEATH RATE - an index number that represents the crude death rate that would occur if the observed age-specific death rates were present in a population with an age distribution identical to that of a standard population. It is derived from several age-specific death rates and used to compare relative mortality risks from one group 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 a hypothetical population. (See AGE-SPECIFIC DEATH RATE below and AGE-ADJUSTED DEATH RATES in the MORTALITY section of the report for more discussion.) It is calculated in this report by the direct method, using the 2000 U.S. population as the standard population, as follows:

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

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

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

AGE-SPECIFIC DEATH RATE – the proportion of deaths in a specific age group, expressed as a number per thousand persons in that age group. The "standard 11" age groups are typically used, for instance, in age adjustment: 0 years of age, 1 – 4 years of age, 5 – 14, 15 – 24, … , 75 – 84, and 85 years of age or older. It is calculated as follows:

$$Age\ specific\ death\ rate = \frac{Number\ of\ \ deaths\ within\ the\ age\ group}{Midyear\ \ population\ of\ \ the\ age\ group}\ x\ 1{,}000$$

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 eight to ten indicates the best possible condition.

AT-RISK POPULATION - all of the persons to whom a given event could occur. The at-risk or "subject" 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 live births in the total population, expressed as a number per thousand persons in that population. Unless otherwise stated, the birth rate 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 deaths in the total population, expressed as a number per thousand population. Unless otherwise stated, the death rate 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), from interventions, omissions, incorrect treatment, or from a chain of events resulting from any of the above.

EXTREMELY LOW BIRTHWEIGHT - the birthweight of an infant of less than 1,000 grams (about 2 pounds 3.25 ounces).

FERTILITY RATE - the total number of live births as a proportion of the estimated female population at risk, expressed as a number per thousand women in that population. The population at risk of experiencing a birth is all fertile women. The approximation used is all women in the main childbearing ages (15 to 44 years). It is calculated as follows:

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

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, the delivery took place after 20 weeks of gestation. There is no requirement in Montana law to report the delivery of a non-viable fetus with a lower weight.

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. (See the "Cause of Death Certification" and "Cause of Death and Conversion to ICD-10" sections of this report for further details).

INCIDENCE - the number of new occurrences of an event within a population during a stated time period for a given number of persons in that population. The time period is assumed to be annual unless otherwise stated. The incidence rate for communicable diseases is expressed as the number of new cases per 100,000 population.

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 that is 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 "spontaneous abortions" or miscarriages.

INFANT - an individual 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 never to have 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 five pounds, eight ounces).

MARITAL DISSOLUTION - legal termination of a valid marriage; a marital dissolution was formerly called a divorce.

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 average, 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 arranged 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 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 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. 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 condition of a woman with respect to her having borne viable offspring. The parity of this birth is the number of live children the woman has borne, including those born in the current delivery.

PERCENTILE - (as in xxth percentile) a statistic used to describe the dispersion of a set of values. One-quarter of the values in a set are less than or equal to the value of the 25th percentile; one-half are less than or equal to the 50th percentile (or median); etc. The 25th and 75th percentiles are found by counting out to the first quarter and third quarter of the values, respectively. When this count lands between two values in the list, averages can be taken, although any number between the two would suffice. For the example under the definition of MEAN, the 25th percentile is 11 and the 75th percentile is 13.

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 RATE - the number of fetal deaths plus neonatal deaths as compared to the number of deliveries (fetal deaths plus 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(s) involved.

PLACE OF RESIDENCE - the usual residence of the person(s) involved in a vital event, regardless of the event's place of occurrence. For births and fetal deaths, the mother's usual place of residence. For induced abortions, the usual place of residence of the patient. For deaths, the usual place of residence of the decedent.

PLURALITY (of birth) - the number of infants born during this 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.

PUERPERIUM - the condition of the mother immediately following childbirth.

RATE - the frequency of an event in a population subject to that event, expressed as the frequency of occurrence per unit--generally 1,000 or 100,000--of the subject population. For example, the Montana resident birth rate per 1,000 population is the number of births to Montana resident women for every 1,000 men, women, and children in the Montana 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 to resident women. The population, fertile women residing in Montana, is the same for both events, but the events are unlikely to have happened to the same women. Also, the total number of fertile women is not part of the calculation; the denominator for the calculation is live births, one of the events.

STAGE AT DIAGNOSIS -The extent to which a cancer has spread when it is first diagnosed. Summary stages for cancer diagnoses are:

In-Situ - An abnormal cell growth that meets the criteria for malignancy but does not invade the basement membrane of the organ involved.

Local - A cancer that is limited to the site of origin. It has not spread beyond the organ.

Regional - A cancer that extends to adjacent organs and/or regional lymph nodes, and appears to have spread no further.

Distant - A cancer that extends beyond adjacent organs and has spread to a distant site or distant lymph node.

Unknown - A cancer for which there is insufficient information available to determine the stage at diagnosis.

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 μ = *the mean of the set of N values*

where x_i = *the* i^{th} *value in the set of N values*

SUBJECT POPULATION - see AT-RISK POPULATION.

SURVIVAL RATE - the percentage of people diagnosed with a life-threatening disease and remaining alive as of a stated time period after diagnosis.

THERAPIES - procedures used to treat cancer or other health conditions. The following are therapies for reportable cancers:

Biological Response Modifiers (BRM) Therapy - administration of a chemical that alters the patient's immune system to destroy cancer growth.

Chemotherapy - administration of a drug to destroy cancer cells.

Hormone Therapy- administration of a hormone or steroid drug that destroys cancer by changing the hormone balance of the patient.

Radiation - the transmission of light, short radio waves, ultraviolet light, or x-rays to destroy cancer cells. Radiation may reduce the size, destroy the cancer, or stop growth of the cancer.

Surgery - a partial or total removal of a primary cancer or a metastatic cancer.

VERY LOW BIRTHWEIGHT - the birthweight of an infant of less than 1,500 grams (about 3 pounds 5 ounces).

YEARS OF POTENTIAL LIFE LOST (YPLL) - A measure of the cost of premature deaths that emphasizes deaths of the young by measuring the number of years lost to death before a given age, 75 years in this report. Statistically, YPLL is the difference between a given age and the decedent's age at death, summed for all decedents younger than the given age.

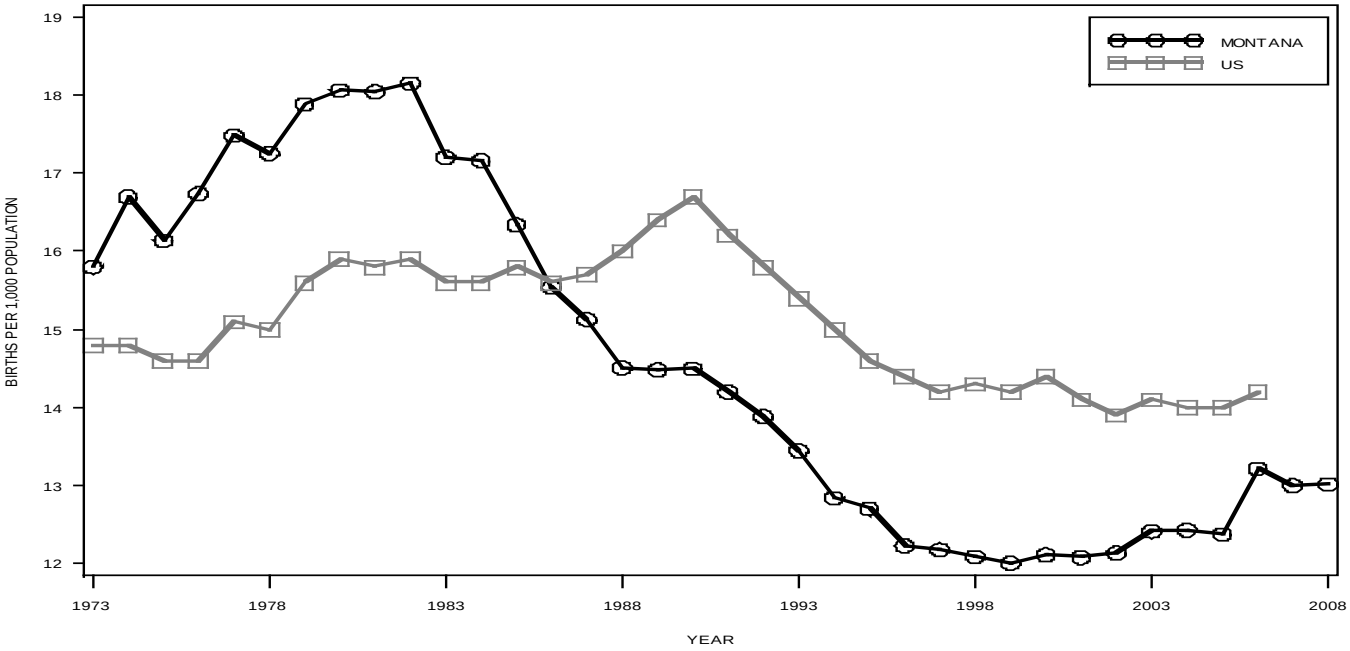
NATALITY

There were 12,595 babies born to Montana residents in 2008. **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) each year since 1946.

The Montana birth rate was in long-term decline from the early 1980s to 1999. However, the rate of births to Montana residents has apparently leveled off and even begun to increase a bit in recent years. It climbed to 13.2 per 1,000 residents in 2006 and the fell just a bit in 2007 and 2008 to 13.0. **Figure 1** below compares the resident birth rates for Montana and the U.S. for the last several years.

Figure 1

RESIDENT BIRTH RATES
MONTANA AND THE UNITED STATES, 1973-2008



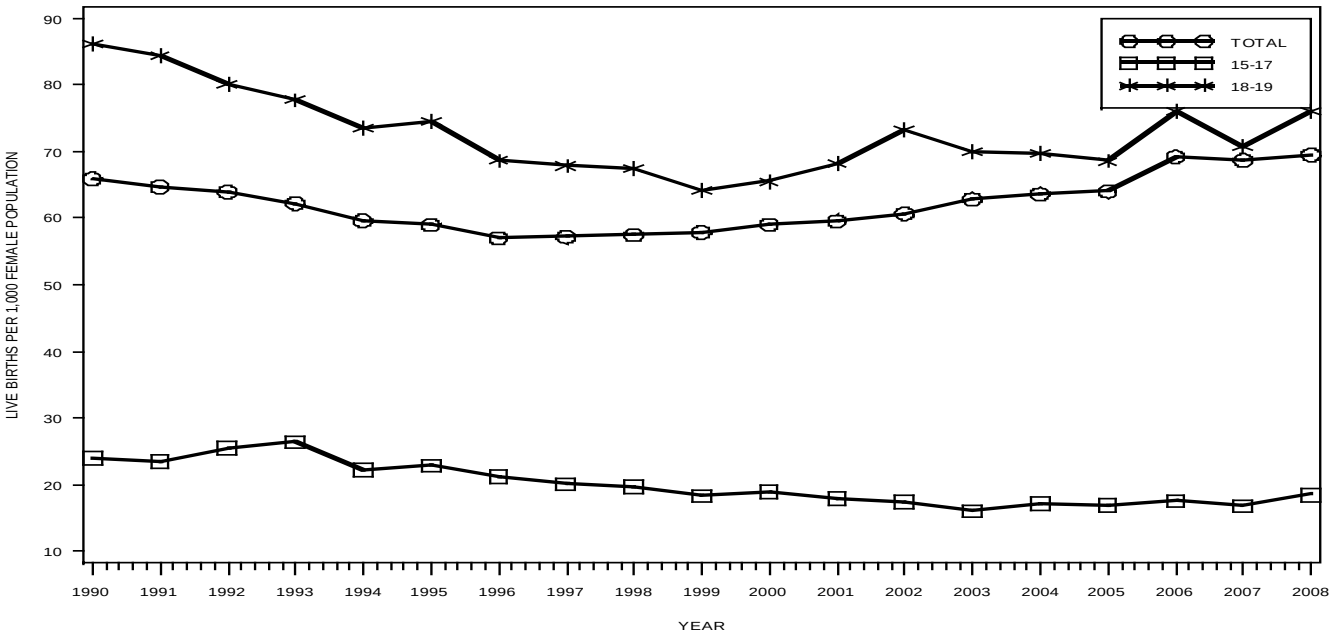
While the Montana rate exceeded the U.S. rate from 1971 to 1985, it began to decline in the early 1980's, fell below the U.S. rate in the mid-1980s, and has been the lower of the two since. Preliminary data for 2006, the last year for which final national statistics are available, show thirteen states had lower birth rates than Montana's. None of those states was west of the Mississippi River.

FERTILITY

The fertility rate, calculated as the number of births per 1,000 females of childbearing age (assumed to be ages 15-44, inclusive), is sometimes considered more useful than the birth rate for many analytic purposes because it is specific with regard to sex and age of the "at-risk" population. Montana's fertility rate from 1990 to 2008 is shown in **Figure 2** for mothers of all ages, mothers between the ages of 15 and 17, and those between the ages of 18 and 19. This graph shows fertility rates for Montana mothers of all races.

Figure 2

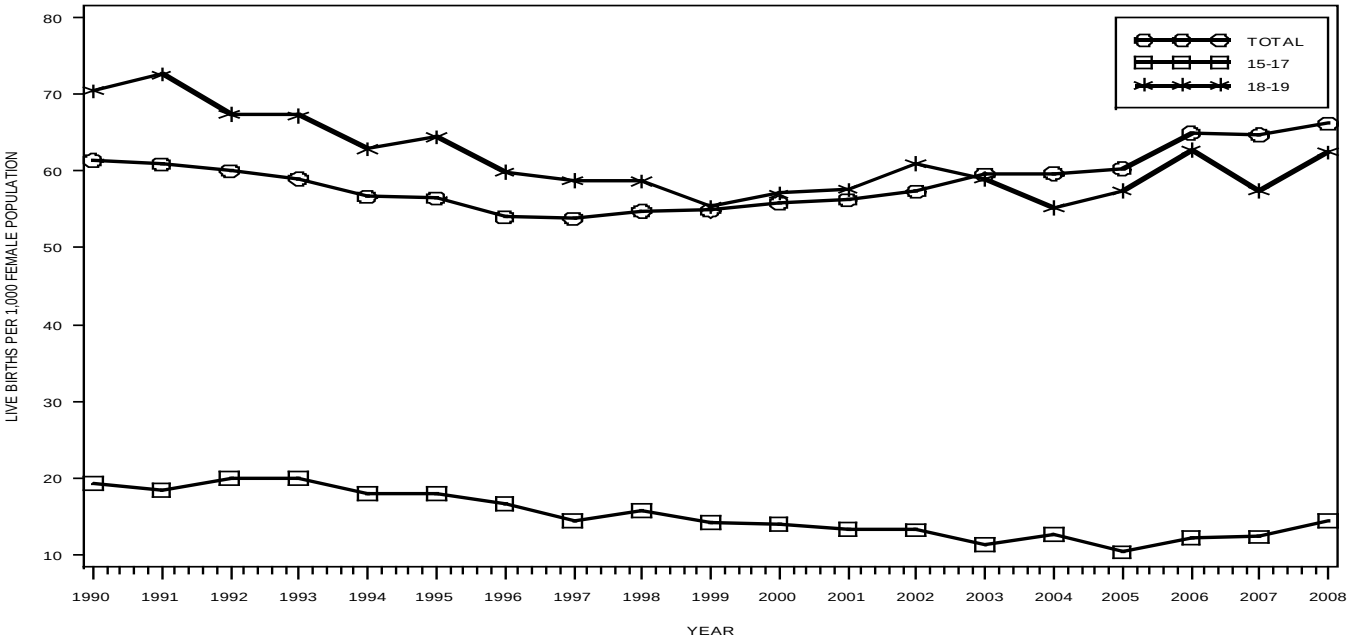
FERTILITY RATES FOR MOTHERS OF ALL RACES
MONTANA TEENS AND MOTHERS OF ALL AGES, 1990-2008



The rate of fertility among various racial groups can be quite different from those of the population as a whole, as illustrated by **Figure 2** above, **Figure 3** below, and **Figure 4** on the next page. Examination of the respective rates for whites and Native Americans for the previous several years is revealing.

Figure 3

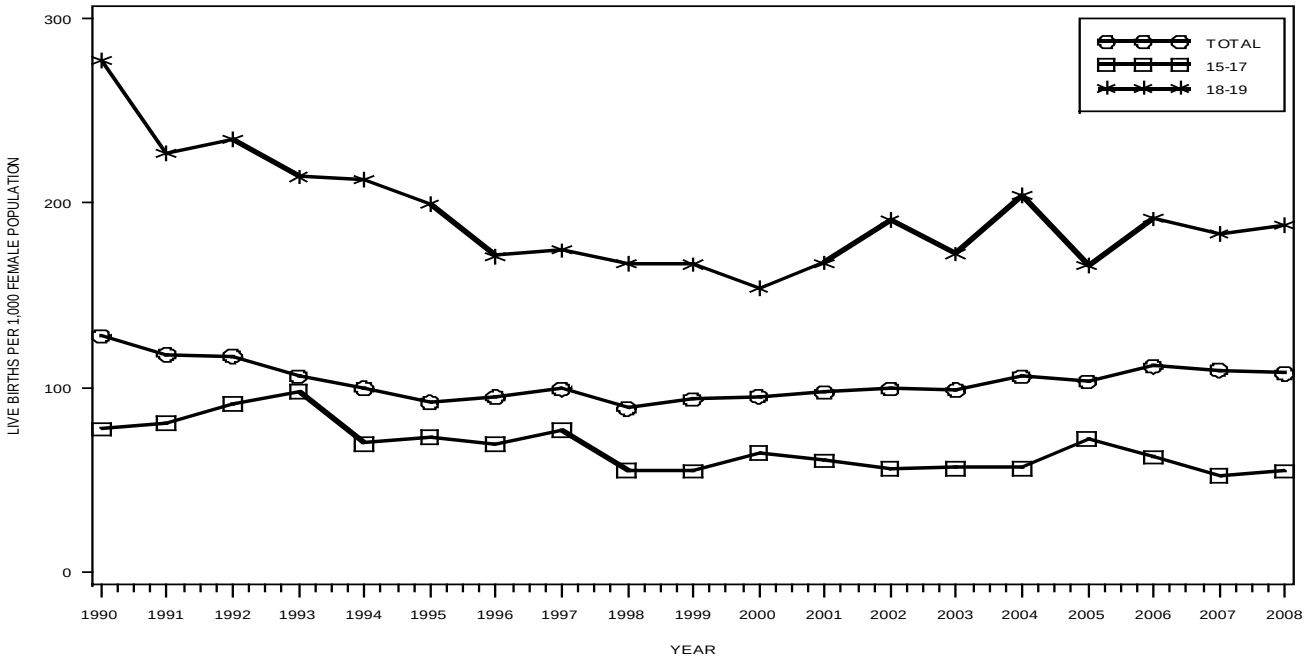
FERTILITY RATES FOR WHITE MOTHERS
MONTANA TEENS AND MOTHERS OF ALL AGES, 1990-2008



In 2008, the fertility rate for Montana's white mothers of all ages was 66.2. The rate for white mothers between 15 and 17 was 14.5, and the rate for white mothers between the ages of 18 and 19 was 62.4. Fertility rates for Native Americans were substantially higher in these age groups—107.8, 55.1, and 188.3, respectively.

Figure 4

FERTILITY RATES FOR NATIVE AMERICAN MOTHERS
MONTANA TEENS AND MOTHERS OF ALL AGES, 1990-2008



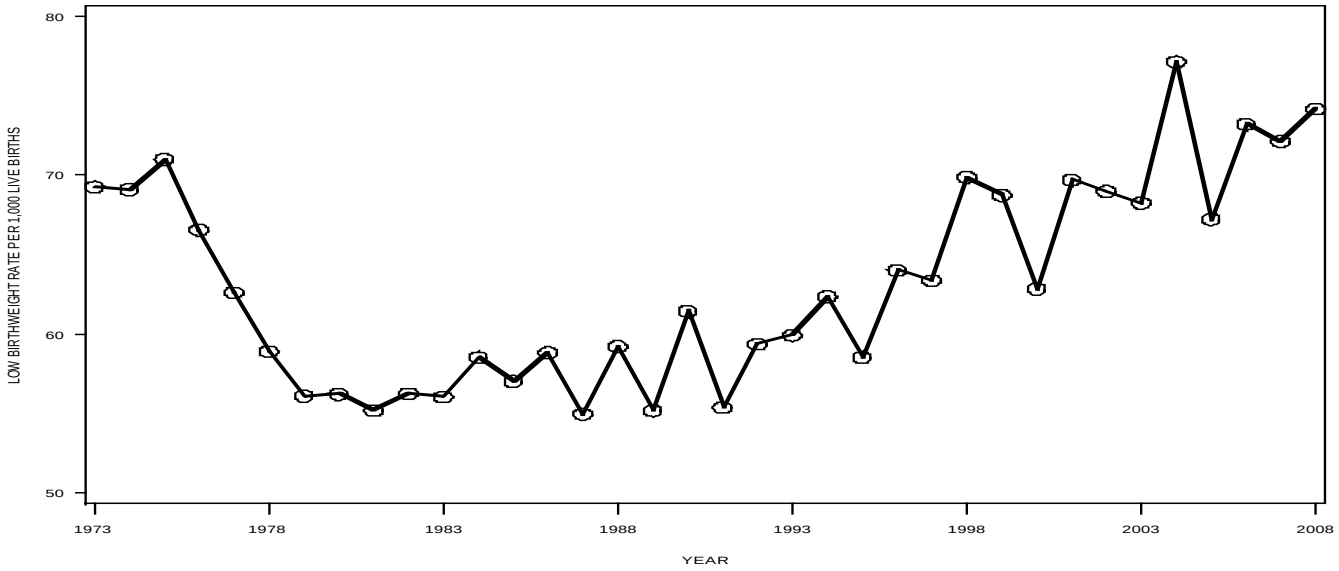
Rates of change for these fertility rates also varied among different groups during this period. While the Native American fertility rates for all of these age groups were higher than those for whites in 2008, the fertility rate for Native American teens aged 15 to 19 years fell farther in proportional terms in this period (30.3%) than that for whites (16.2%). The white fertility rate for the ages 15-17 fell by about a third (25.3%) while that for Native Americans fell by somewhat more (29.3%). The Native American fertility rate for teens aged 18 to 19 years fell by almost a third (32.1%) while that for whites fell by 11.4%

LOW BIRTHWEIGHT

Table B-3 shows the frequency of birth by birthweight category and the mother's county of residence. **Figure 5**, on the following page, shows an increasing rate of low birthweight babies born to Montanans since the early 1980s. The rate was 74 per thousand live births in 1972 and back to the same level, 7in 2008. While low birthweight has been identified by NCHS as one of the best predictors of infant death, this relationship does not seem to be the case—or at least, is much more complex than a simple correlation—for the Montana infant population as a whole, as the trend of infant mortality among Montanans in **Figure 11** shows. While the low birthweight rate trends upward, rates of infant and perinatal death are falling for Montana residents.

Figure 5

RATE OF LOW BIRTHWEIGHT BIRTHS
MONTANA RESIDENTS, 1973-2008



MOTHER'S AGE, RACE, AND MARITAL STATUS

Of those giving birth in 2008, about half were married white women between the ages of 20 and 35 years. **Table S-6** shows the frequency and percent distribution of births to Montana residents by the mother's age and county of residence. **Table S-3** shows the frequency of births by the mother's race and county of residence of the mother. Any of the races shown may include women of Hispanic origin.

Figure 6

PERCENT OF BIRTHS TO UNMARRIED MOTHERS
MONTANA AND UNITED STATES RESIDENTS, 1973-2008

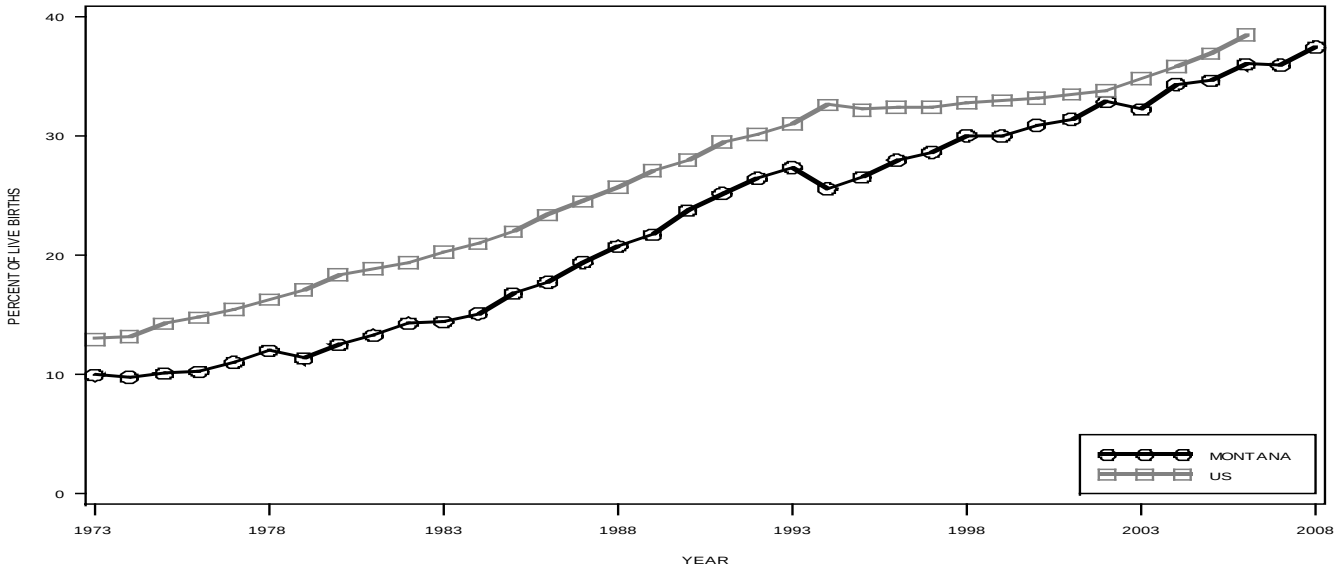


Table B-1 shows the frequency and percent of resident births to unmarried mothers for the last several years. **Table S-5** shows the frequency of birth by marital status of the mother for each of Montana's counties in 2008. **Figure 6**, on the

previous page, shows the trend in those births to unmarried women for residents of Montana and the United States since 1972. Births to unmarried women represented 11.0% of Montana's resident births in 1972, 13.3% in 1981 and 35.8% in 2008.

By comparison, unmarried women in the U.S. accounted for 18.9% of the resident births in 1981, 28.0% in 1990, 33.2% in 2000, and 36.9% in 2005 (the latest year for which a national statistic is available). The Montana proportion of births to unmarried mothers has been, for more than two decades, somewhat below the U.S. proportion. However, the long–term trend for Montana is increasing and appears to be converging with the national trend over this period.

METHOD OF DELIVERY

About three quarters of the infants delivered in Montana in the years 1999 through 2008 were delivered vaginally (including those delivered vaginally after the mother had a previous C-section). As **Figure 7** shows, the likelihood of a vaginal delivery decreases steadily with increasing age of the mother. This pattern holds for both whites and Native Americans.

Figure 7

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS BY AGE OF MOTHER AND METHOD OF DELIVERY MONTANA OCCURRENCES, 1999-2008

METHOD OF DELIVERY		ALL AGES	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 AND OVER	AGE NOT STATED
ALL METHODS	Number	115,570	87	3,636	8,787	32,488	33,103	23,860	10,988	2,445	172	4
	Percent	100	100	100	100	100	100	100	100	100	100	100
VAGINAL	Number	84,482	76	2,987	7,033	24,942	24,402	16,486	7,055	1,414	83	4
	Percent	73.1	87.4	82.2	80.0	76.8	73.7	69.1	64.2	57.8	48.3	100
VAGINAL AFTER C-SECTION	Number	2,020	-	5	36	292	612	632	358	82	3	-
	Percent	1.7	-	0.1	0.4	0.9	1.8	2.6	3.3	3.4	1.7	-
PRIMARY C-SECTION	Number	17,655	9	610	1,432	4,846	4,728	3,553	1,898	517	62	-
	Percent	15.3	10.3	16.8	16.3	14.9	14.3	14.9	17.3	21.1	36.0	-
REPEAT C-SECTION	Number	11,131	1	22	261	2,327	3,273	3,138	1,658	427	24	-
	Percent	9.6	1.1	0.6	3.0	7.2	9.9	13.2	15.1	17.5	14.0	-
METHOD NOT STATED	Number	282	1	12	25	81	88	51	19	5	-	-
	Percent	0.2	1.1	0.3	0.3	0.2	0.3	0.2	0.2	0.2	-	-

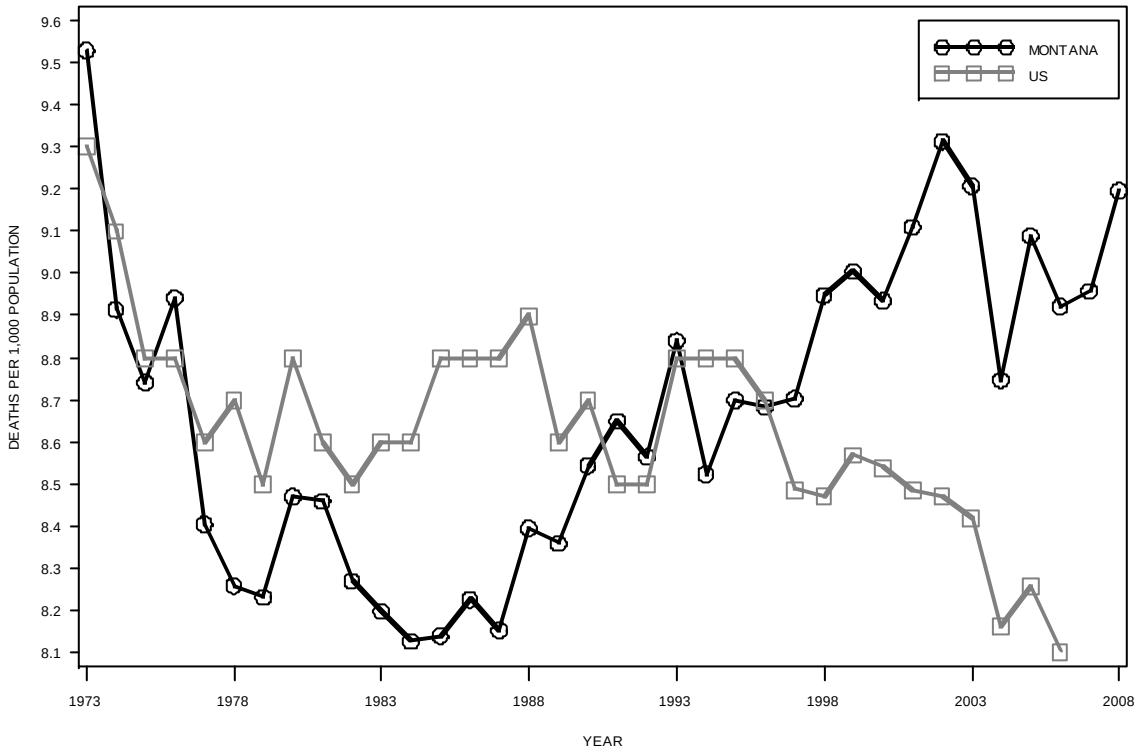
MORTALITY

Montana's crude annual resident mortality rate in 2008 was 9.2 per 1,000 estimated midyear population. There were 8,897 Montana residents who died in that year and their median age was 78 years. Of these people 4,523 (50.6%) were males 4,374 (49.3%) were females.

Figure 8 shows the crude death rates per 1,000 population for Montana and U.S. residents from the last several years. Montana's annual rate followed the national trend fairly closely throughout the earliest part of this period. However, there were notable differences since the early nineteen eighties. Both rates declined precipitously in the early seventies through the early eighties but then began to increase, although at somewhat different rates, through the late eighties. The U.S. rate has been on a long-term decline since 1988. Montana's rate, while somewhat unstable, has been rising since the mid-1980s**.**

Figure 8

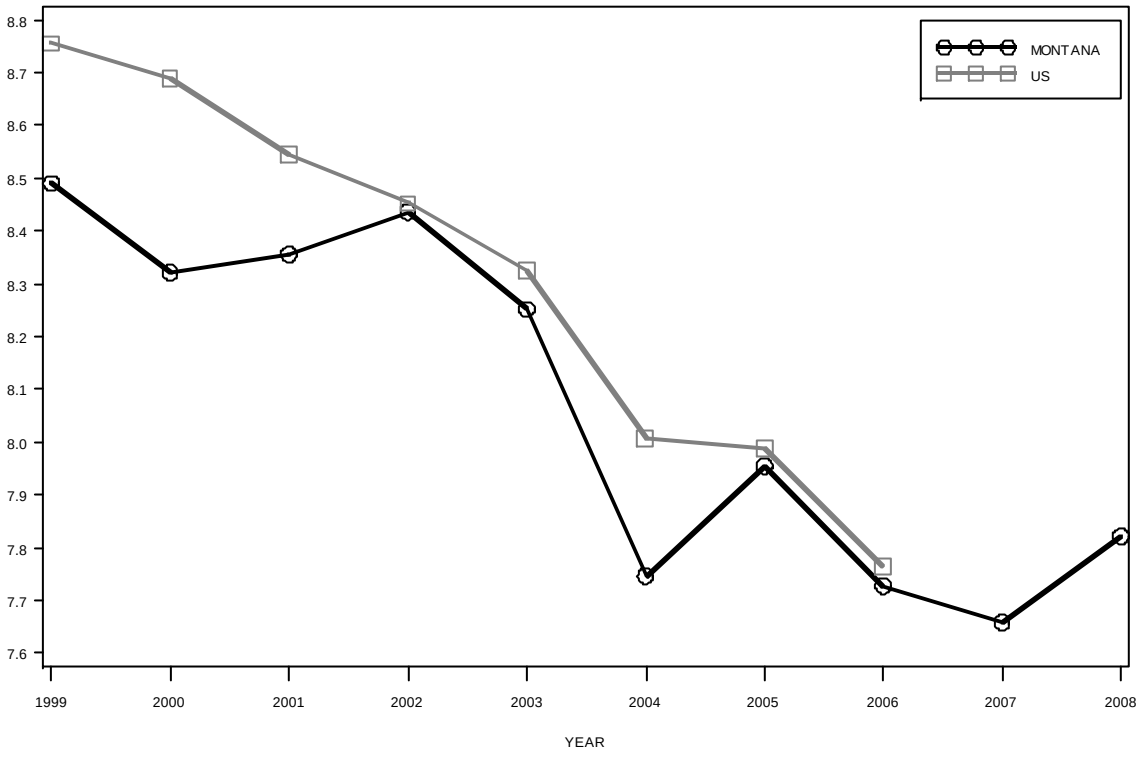
RESIDENT CRUDE DEATH RATES
MONTANA AND THE UNITED STATES, 1973 – 2008



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

Figure 9

AGE-ADJUSTED DEATH RATES*
MONTANA AND UNITED STATES RESIDENTS,
1999-2008



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

Figure 9 shows the age-adjusted death rates for Montana and U.S. citizens for the last 10 years. It is notable that while Montana's crude death rate (reflecting the absolute risk of death among the resident population) has been generally increasing, the age-adjusted rate (which reflects relative risk by adjusting for the age of the population and the age of its decedents) has been generally declining over the ten years profiled. It is also notable that the age-adjusted rate for Montana was lower than the U.S. rate for all of the years profiled.

Whites typically died at an older age than Native Americans. The age at death for whites was several years greater than that for Native Americans at every quartile (25th percentile, median, and 75th percentile). Particularly striking was the fact that one quarter of the white decedents died at or below the age of 66, while one quarter of the Native American decedents died at or below the age of 43 years.

There was greater variability in the age at death for the Native American population than for the white population. The standard deviation, which measures the distribution around the mean, was greater for the Native Americans (22.8) compared to whites (17.9); thus, a larger proportion of Native Americans died at younger-than-average or older-than-average ages than did whites.

In general, female decedents were older than male decedents; the mean and median ages at death were greater for women than for men, regardless of race. For white women, the median age was 82 years, compared to 76 years for white men. The median age for Native American women was 64 years, compared to 57 years for Native American men. **Figure 10** summarizes the distribution of age at death for Montana residents by sex and race for the ten-year period, 1999 to 2008.

Figure 10

AGE AT DEATH IN YEARS BY SEX AND RACE
CENTRAL TENDENCY AND DISPERSION*
MONTANA RESIDENTS, 1999–2008

RACE AND SEX	NUMBER OF DEATHS	MINIMUM AGE	25TH PERCENTILE	MEDIAN AGE	75TH PERCENTILE	MAXIMUM AGE	MEAN AGE	STANDARD DEVIATION
ALL RACES								
TOTAL	83,817	0	65	78	86	112	73.3	18.6
MALE	42,510	0	60	75	84	107	69.9	19.1
FEMALE	41,306	0	70	81	89	112	76.8	17.5
UNKNOWN	1	0	0	0	0	0	0.0	-
WHITE								
TOTAL	79,130	0	66	79	87	112	74.3	17.9
MALE	39,890	0	62	76	84	107	71.0	18.3
FEMALE	39,239	0	71	82	89	112	77.7	16.7
UNKNOWN	1	0	0	0	0	0	0.0	-
NATIVE AMERICAN								
TOTAL	4,327	0	43	60	74	111	56.5	22.8
MALE	2,425	0	39	57	71	100	53.8	22.6
FEMALE	1,902	0	47	64	77	111	59.9	22.7
OTHER RACES								
TOTAL	716	0	48	67	79	101	60.3	24.6
MALE	400	0	43	61	77	101	57.8	24.4
FEMALE	316	0	55	72	80	101	63.2	24.7

*****The *mean* is the arithmetic average, the *median* is the midpoint. To illustrate, one quarter of the decedents died at or under the age at the *25th percentile;* half at or under the age at the *median* (or *50th percentile)* etc. The *standard deviation* measures the concentration of the distribution around its mean.

FETAL, INFANT, AND MATERNAL DEATHS

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 occurring in Montana (regardless of place of residence) at five-year intervals from 1910 to 1949 and yearly from 1950 through 2008 for deaths of Montana residents (regardless of place of occurrence).

Figure 11

FIVE-YEAR INFANT MORTALITY RATES AND FETAL MORTALITY RATIOS
MONTANA RESIDENTS, 1959 – 2008

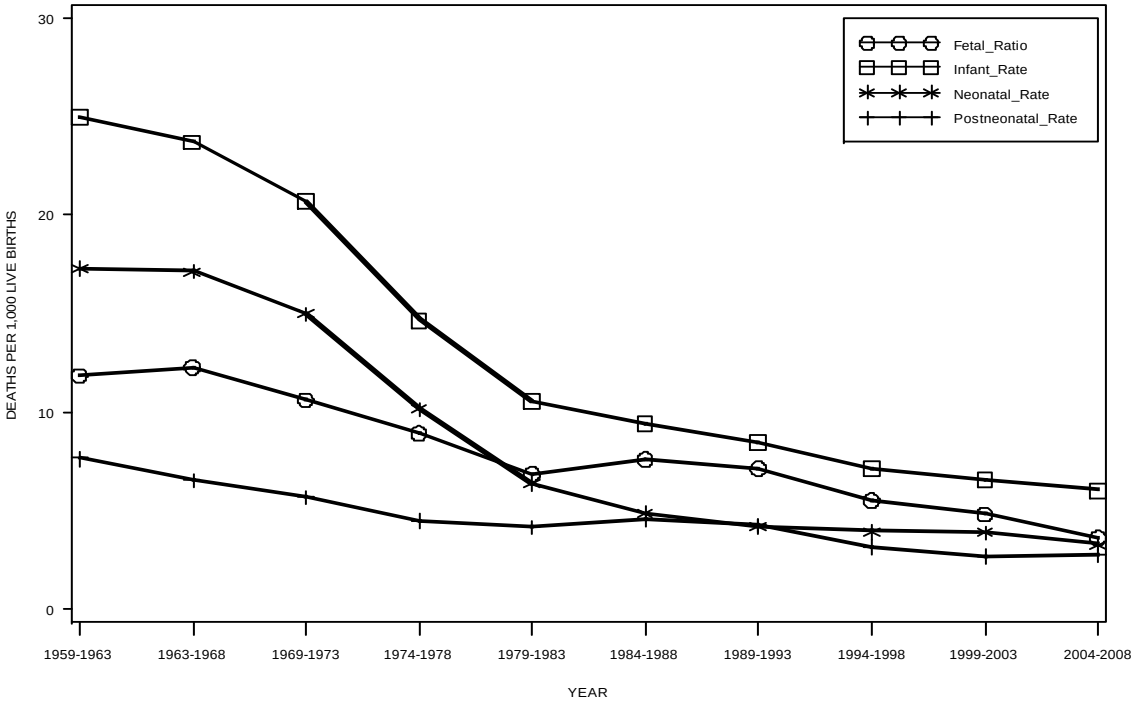


Figure 11 shows the five-year infant and fetal mortality rates for Montana residents the 50 years prior to 2008. There was a substantial decline in the five-year infant death rate during this period. This rate, the number of infant deaths per 1,000 live births in a five-year period, decreased by about three-quarters in the period shown. The five-year death rate for infants dying in the neonatal period, the first 27 days of life, decreased by more than half during this period. The rate for post-neonatal infants (infants 28 days and older) declined by about one-third. The five-year fetal mortality ratio also declined by a little more than two-fifths.

There were 39 resident fetal deaths and 87 resident infant deaths in Montana in 2008. Frequencies of infant and fetal deaths by Montana county of occurrence and residence appear in **Table S-2**. **Table S-3** shows the frequency of fetal deaths by the mother's race and county of residence. The number of infant deaths for that year and five-year infant mortality rates by Montana county of residence appear in **Table D-9**.

Selected causes of death by age and sex for Montana resident infants are shown in **Table D-1** and in **Table D-8**. (For a complete listing of all 358 potential causes that could appear in **Table D-1,** see the list at http://www.dphhs.mt.gov/statisticalinformation/vitalstats/appendix/358causes.pdf. For a complete list of the 130 potential causes of infant death that could appear in **Table D-8,** see the list at http://www.dphhs.mt.gov/statisticalinformation/vitalstats/appendix/130causesinfantdeath.pdf.) Sudden infant death syndrome (SIDS), certain conditions originating in the perinatal period, and congenital malformations, deformations, and chromosomal anomalies caused about two-thirds of all infant deaths in 2008.

Table F-1 shows the frequency of fetal deaths (called stillbirths in some states) by the race, sex, and gestational age of the fetus, and selected cause of death. (See the list of 124 causes of fetal death web file, shown at http://www.dphhs.mt.gov/statisticalinformation/vitalstats/appendix/124causesfetaldeath.pdf, for a complete list of causes that could potentially appear in **Table F-1**.) **Table S-4** shows the frequency of fetal, infant, and child deaths by county of residence.

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 that will likely affect the risk of mortality. Crude cause-specific rates express the frequency of mortality from a certain underlying cause of death as a proportion of the resident population. They express the risk (average chance) of dying from the specific cause of death cited. They are useful in making comparisons, within a single resident population, of the mortality risks associated with different causes. However, their use for comparisons between populations--the Montana resident population in different years, for instance--is limited. (Because the resident populations of Montana in different years had different age compositions and contained different individuals, they can be considered different populations.)

In the past, the resident population of Montana (and of the nation) was considerably younger than it is now; younger residents represented a smaller percentage of the population in the early years of the 21st Century than they did only a decade before. In such cases, age-adjustment is helpful for a more meaningful comparison of mortality rates.

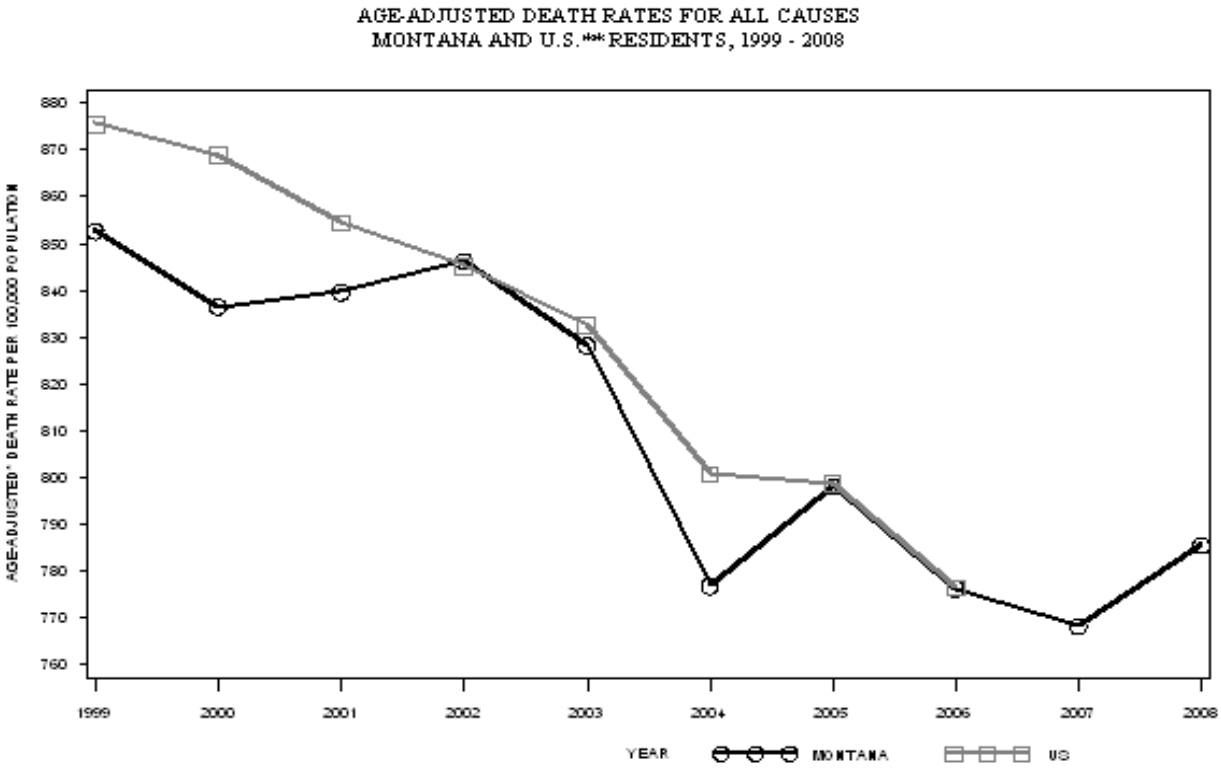
Age-adjusted death rates should be interpreted as index numbers rather than direct measures of mortality risk. They are useful for making comparisons between populations (where demographic variables such as the overall age of the population may differ), but not for making comparisons within any single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

For instance, one can compare the Montana age-adjusted death rates for heart disease in different years in order to identify any trends in mortality. It is inadvisable, however, to compare the age-adjusted rate for heart disease to that for cancer within any given year, or from one year to another. While it is tempting to be concerned with the numerical value of the age-adjusted rate, this is also inadvisable because of the sensitivity of the quantitative value to the choice of a standard population.

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 list at http://www.dphhs.mt.gov/statisticalinformation/vitalstats/appendix/113causes.pdf.) The age-adjusted rates are adjusted with the direct method to the projected U.S. population for the year 2000. As with any summary statistic, age-adjusted death rates mask much of the underlying complexity in the mortality experience of a population. Hence, Montana's age-specific death rates are also shown for each cause of death displayed.

Because of the small number of deaths in certain age categories, many of the age-specific rates (e.g. those for chronic liver disease and cirrhosis, motor vehicle accidents, and suicide) may be statistically unstable or present somewhat confusing patterns. 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 all causes of death are represented here so the reader can judge their usefulness for him or herself.

Figure 12



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rates for 2007 and 208 are not yet available.

Figure 13

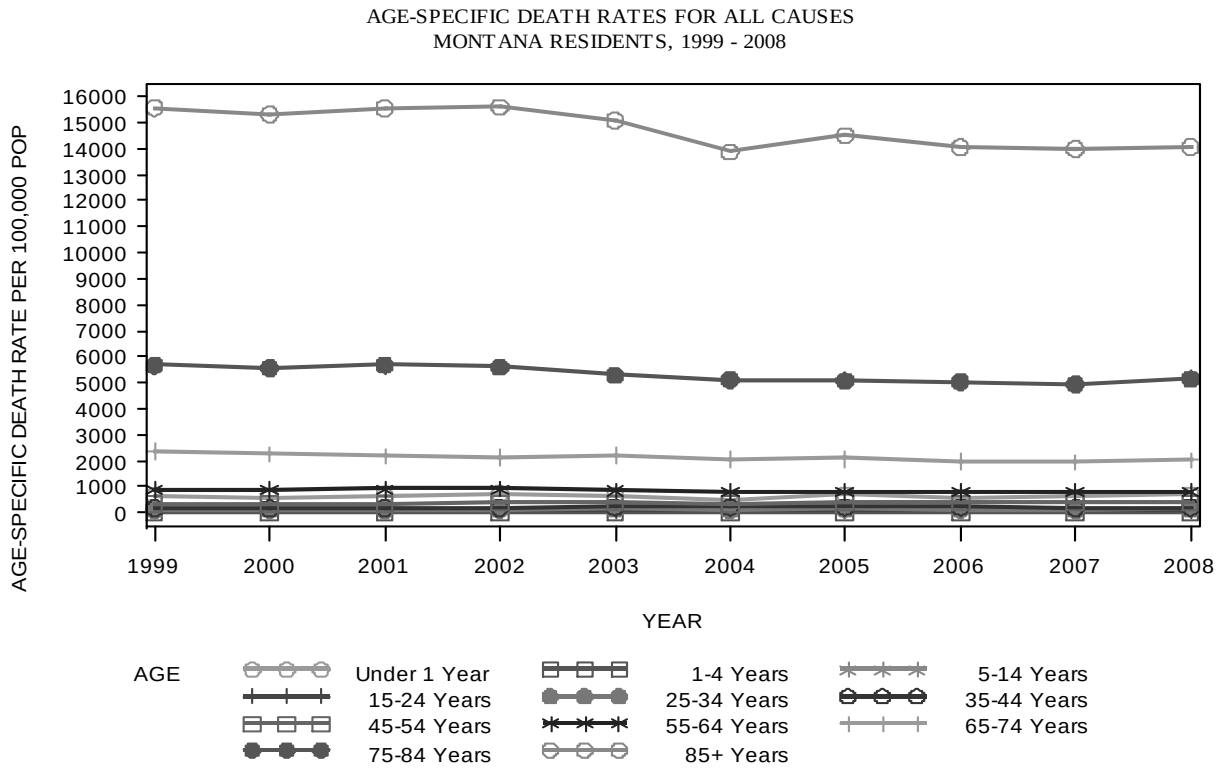
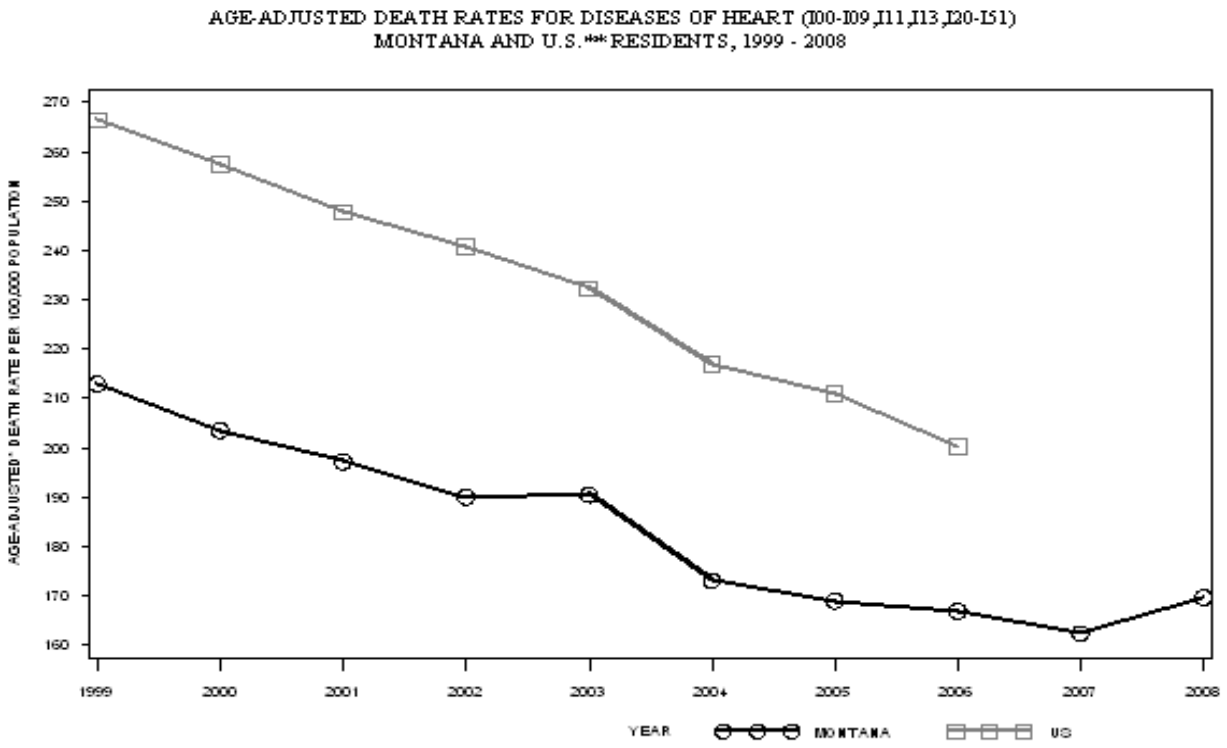


Figure 14



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rates for 2007 and 208 are not yet available.

Figure 15

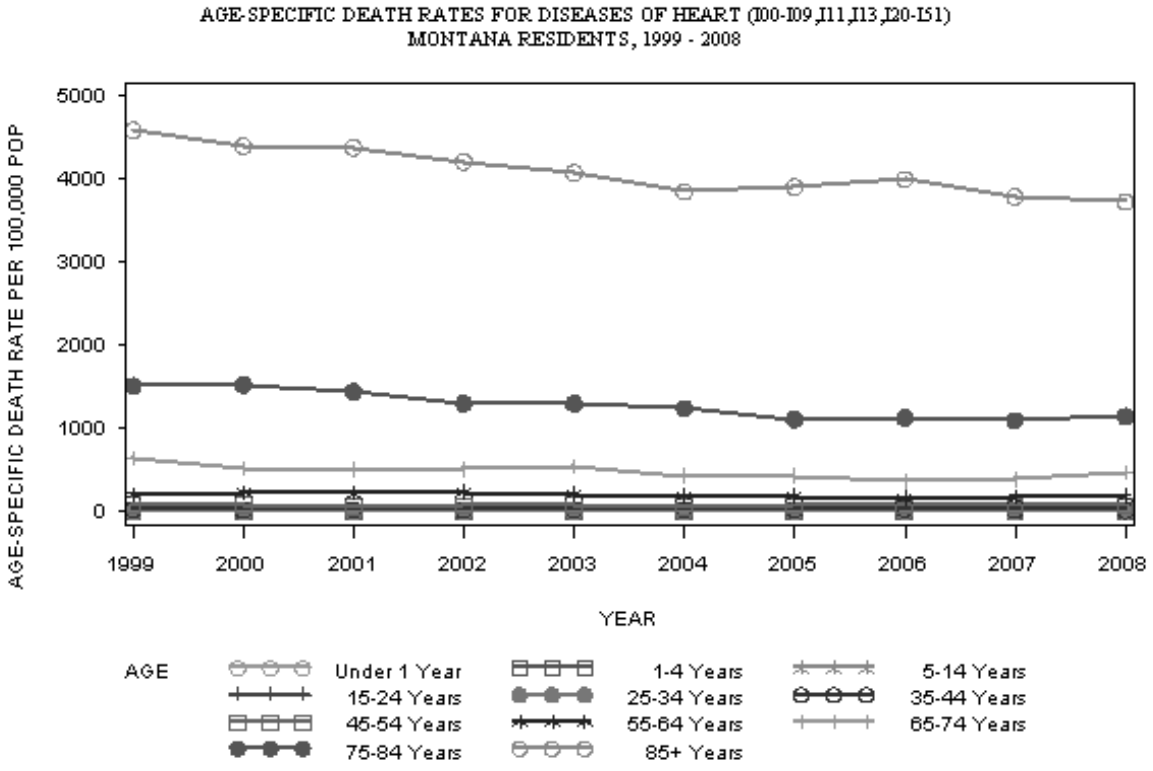
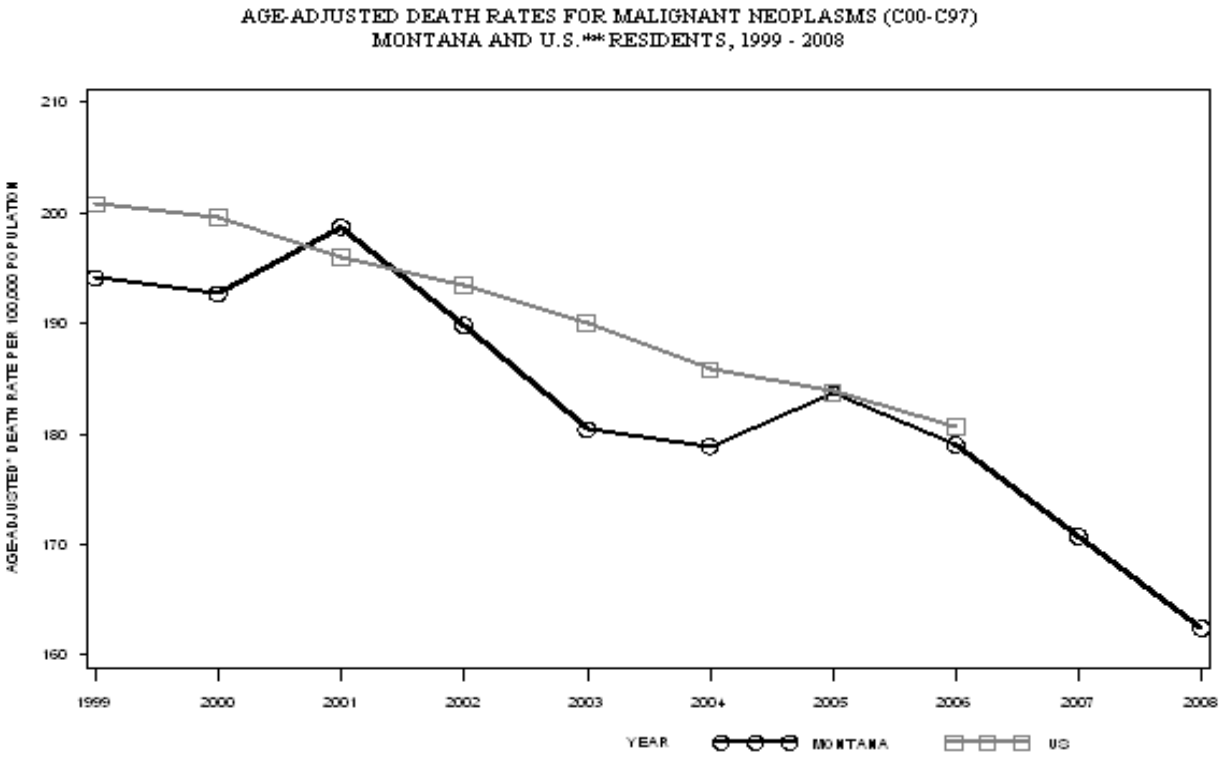


Figure 16



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rates for 2007 and 208 are not yet available.

Figure 17

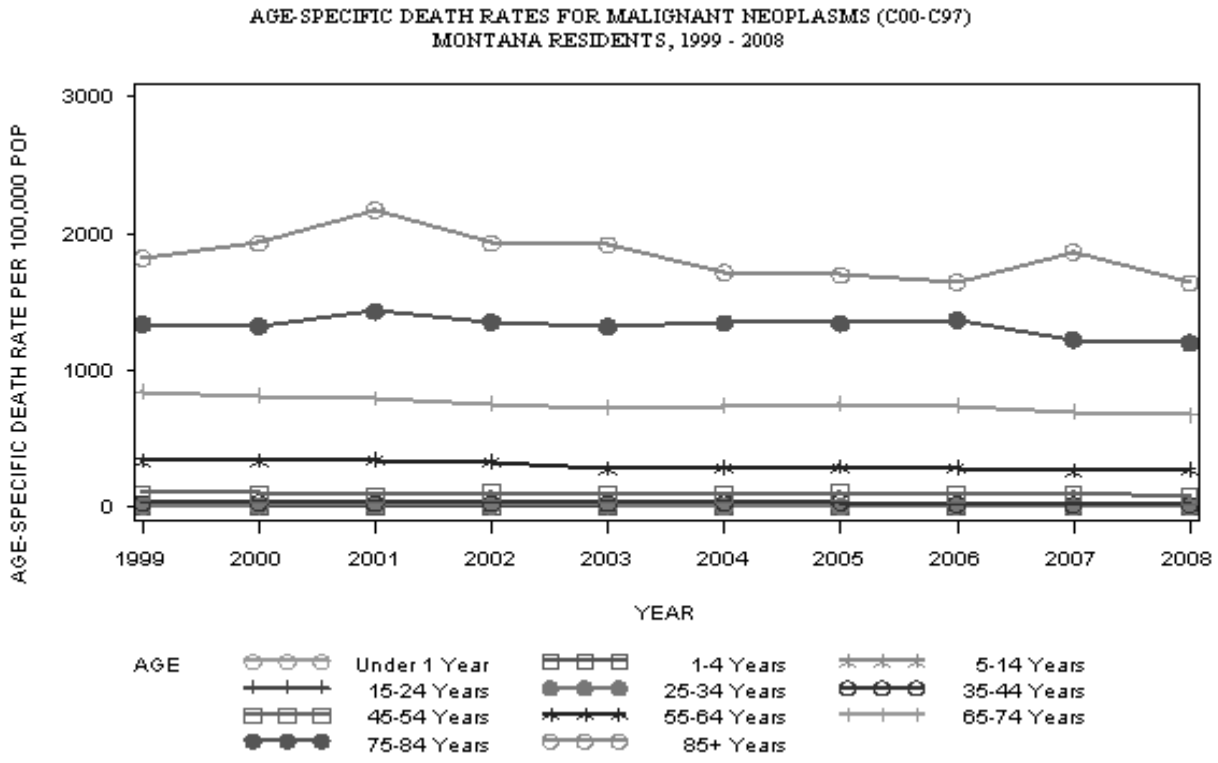
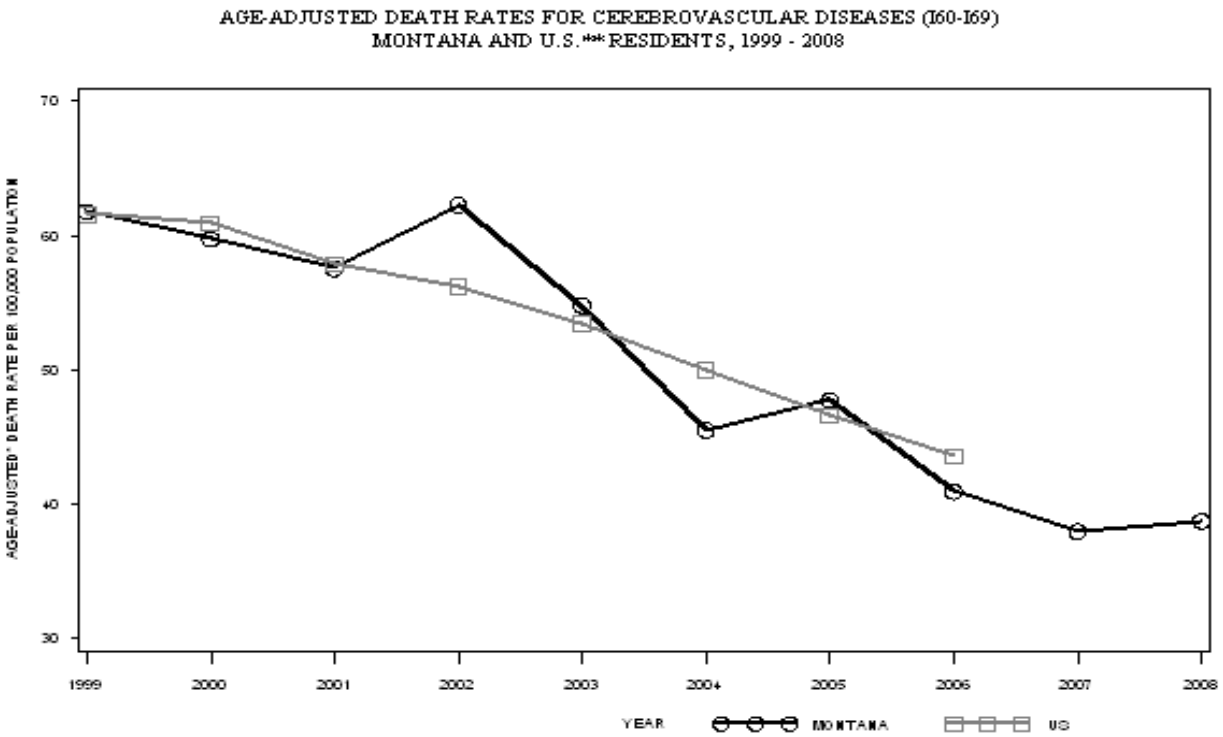


Figure 18



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rates for 2007 and 208 are not yet available.

Figure 19

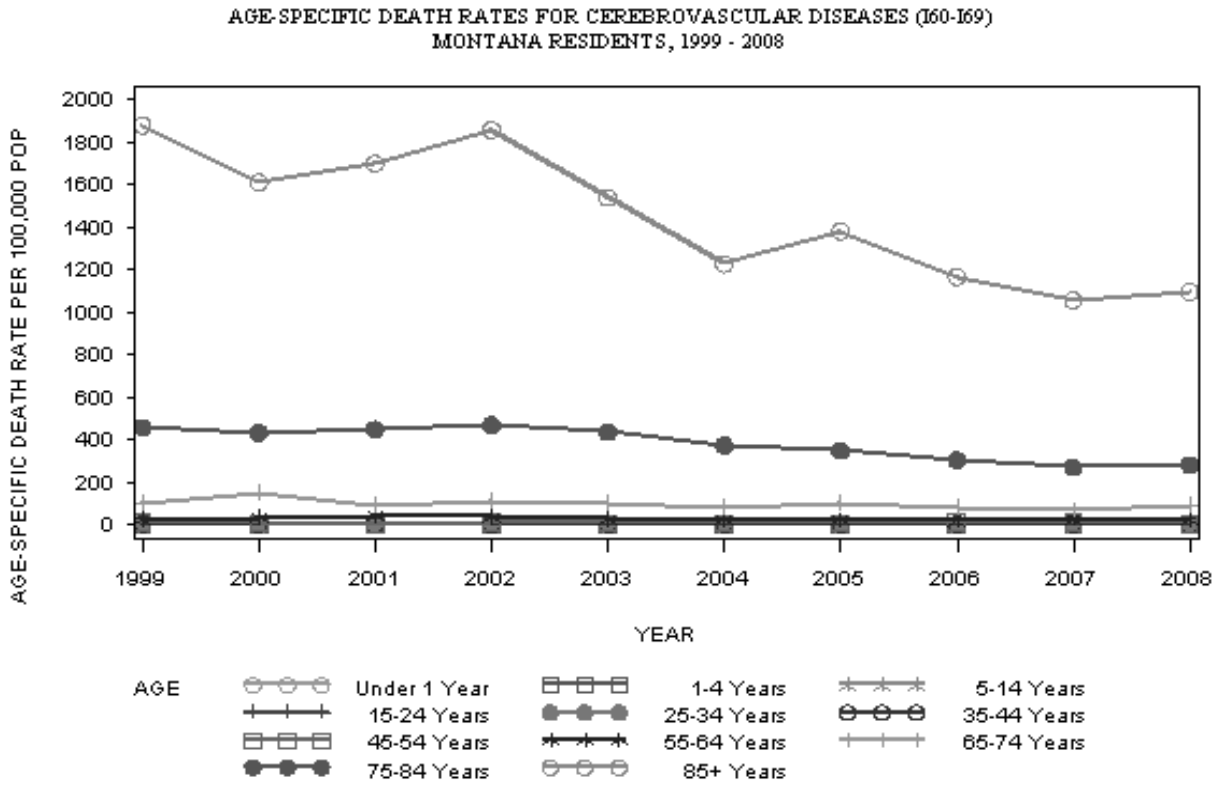
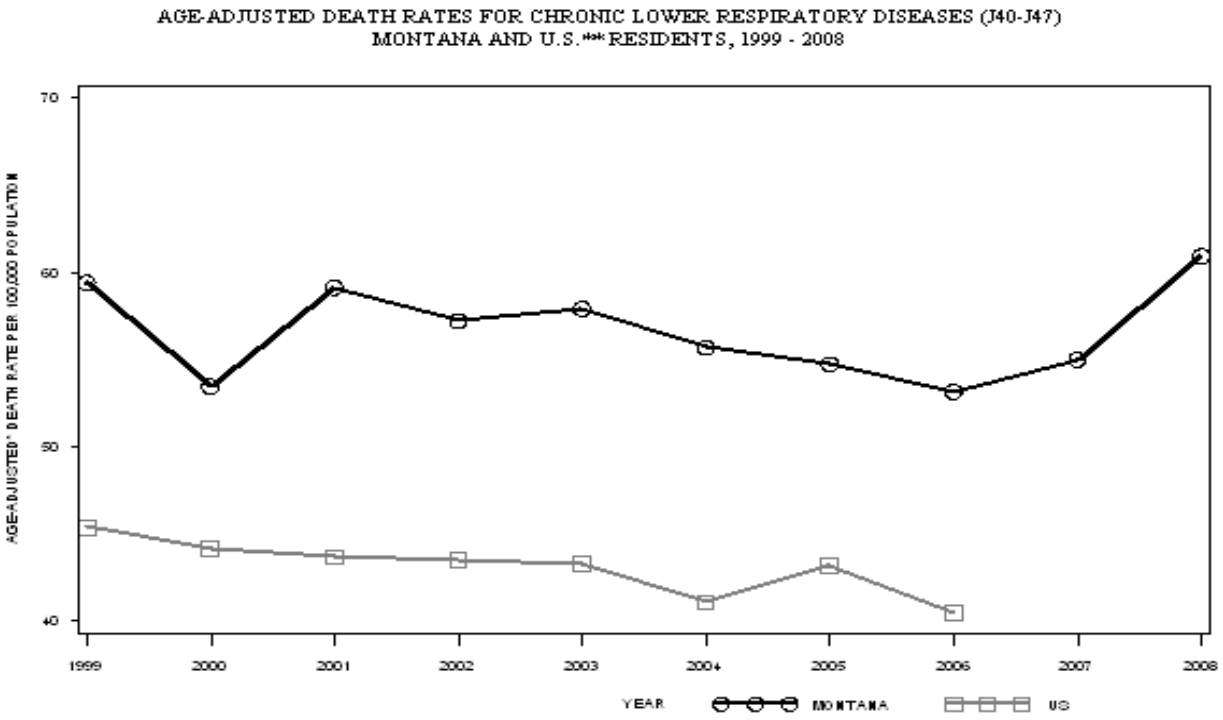


Figure 20



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rates for 2007 and 208 are not yet available.

Figure 21

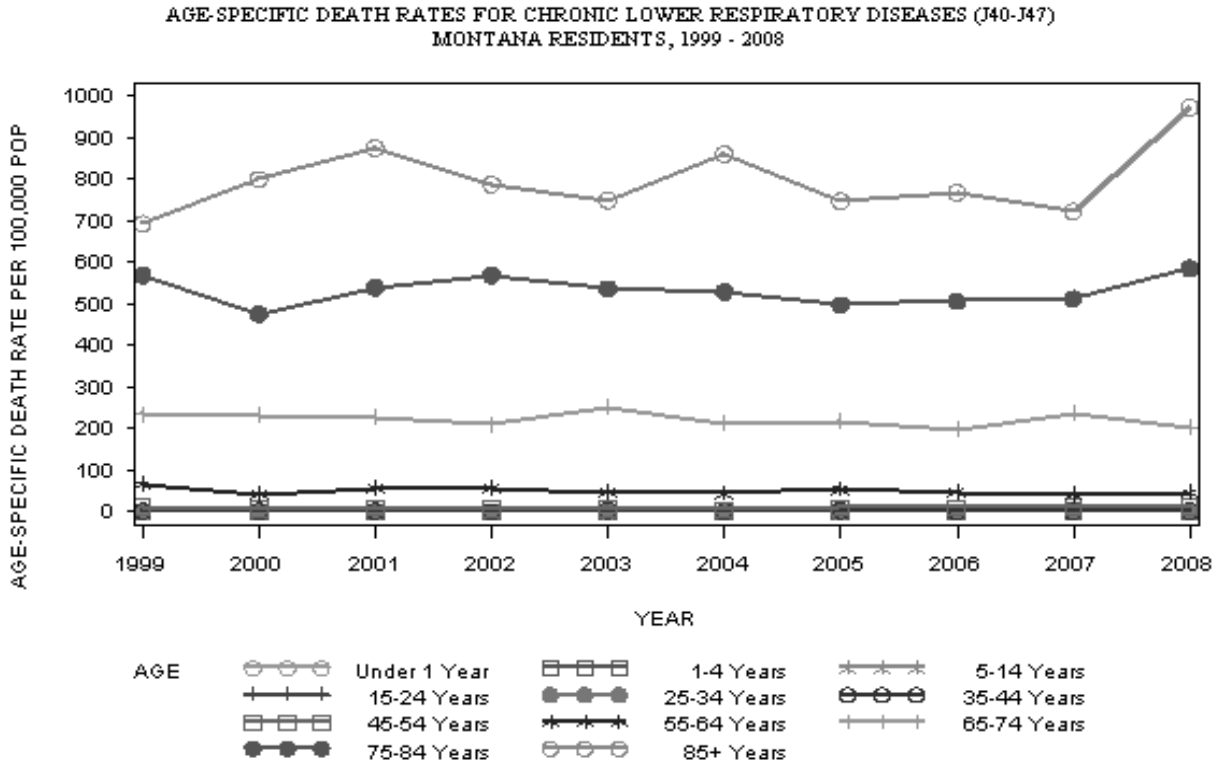
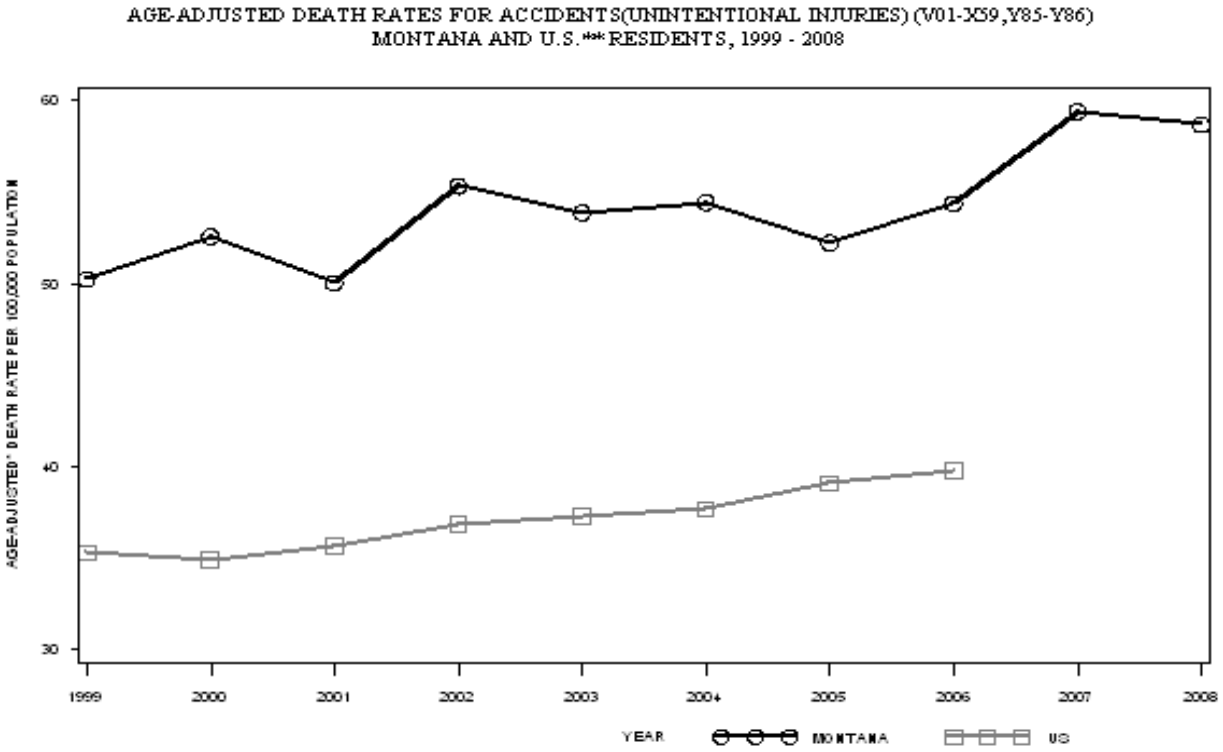


Figure 22



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rates for 2007 and 208 are not yet available.

Figure 23

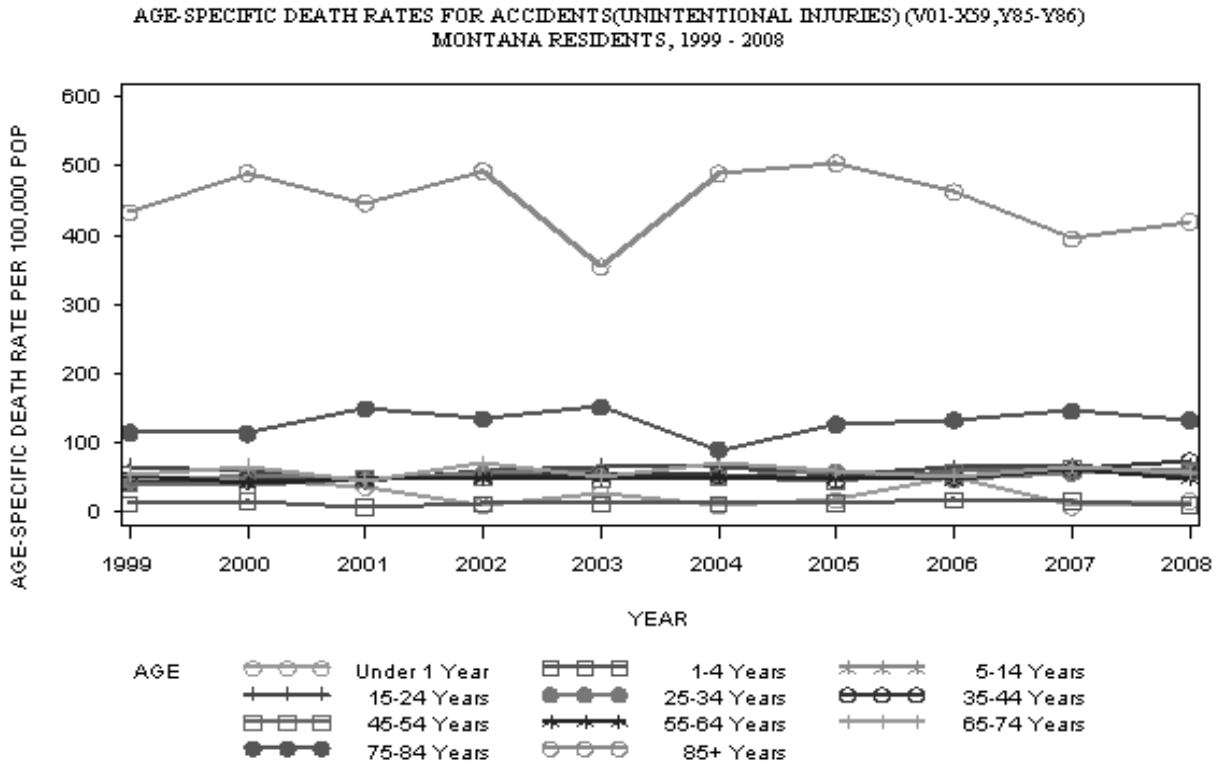
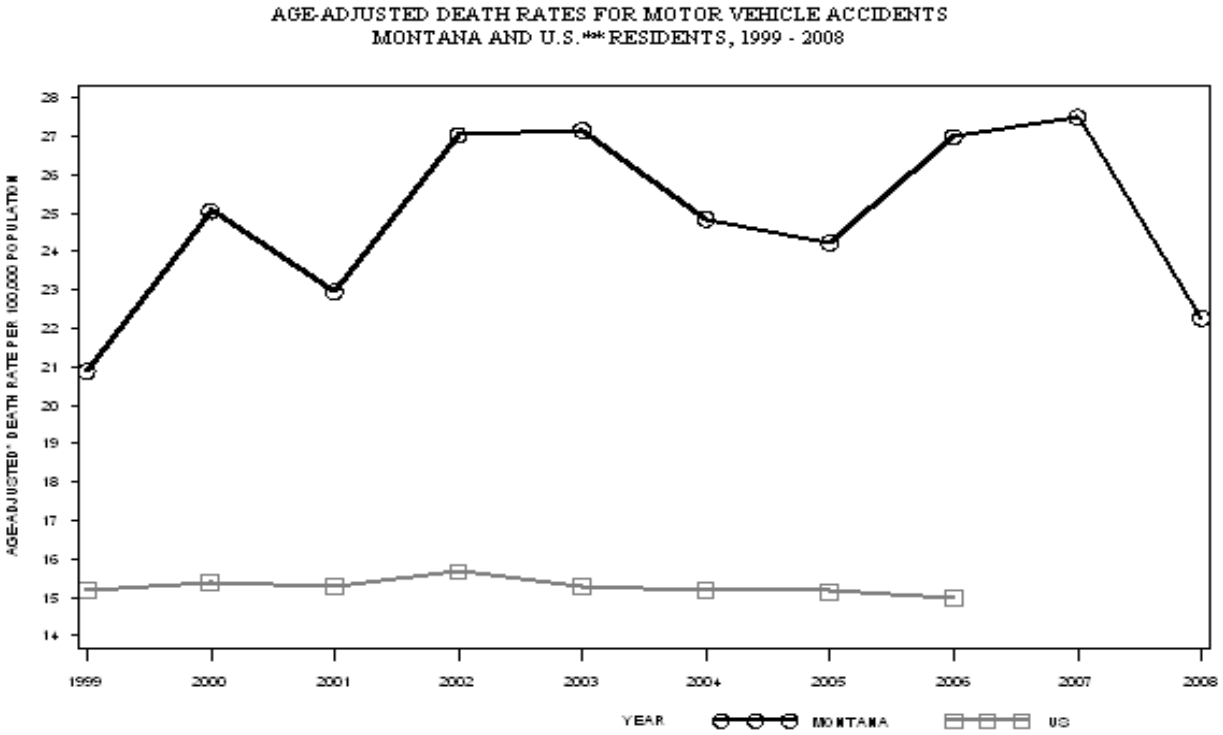


Figure 24



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rates for 2007 and 208 are not yet available.

Figure 25

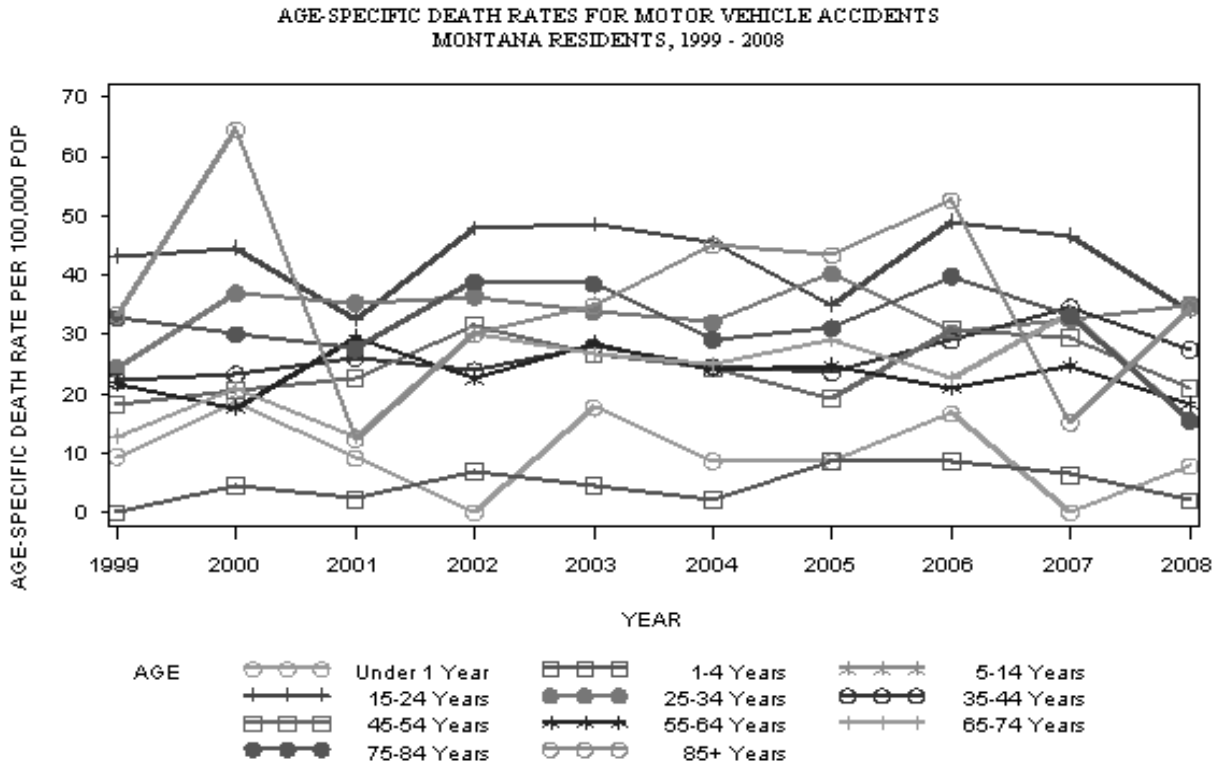
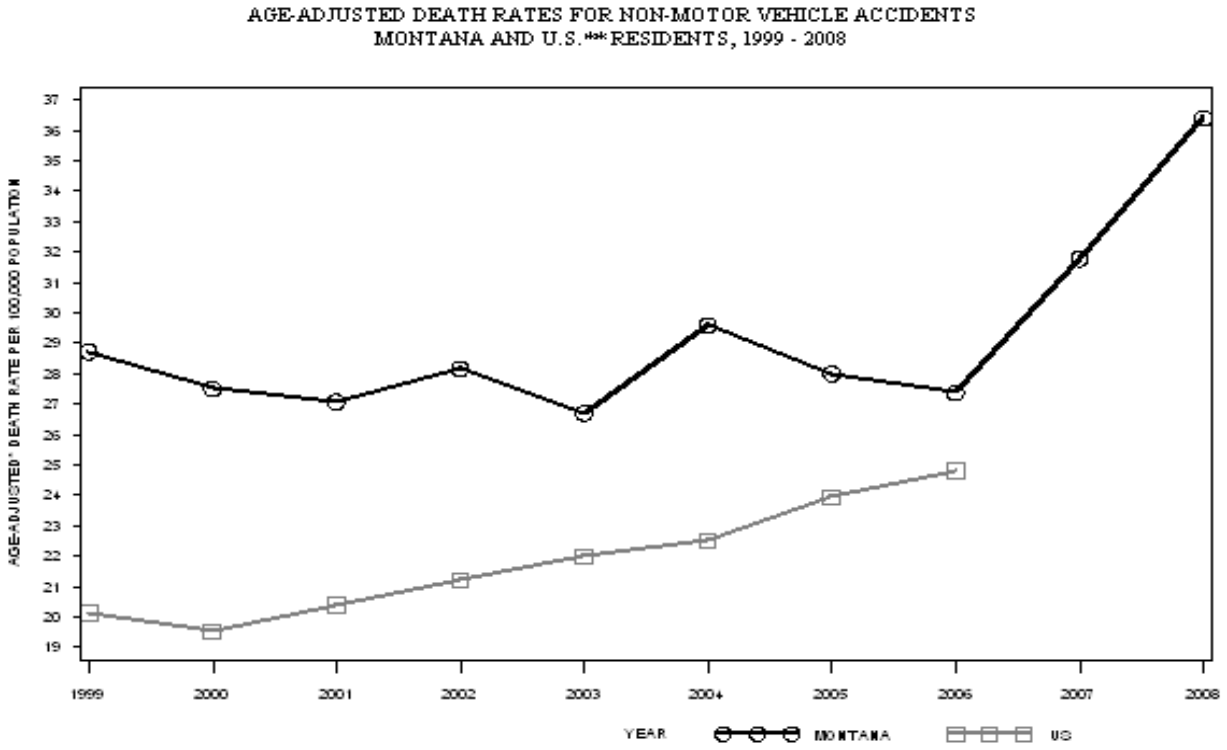


Figure 26



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rates for 2007 and 208 are not yet available.

Figure 27

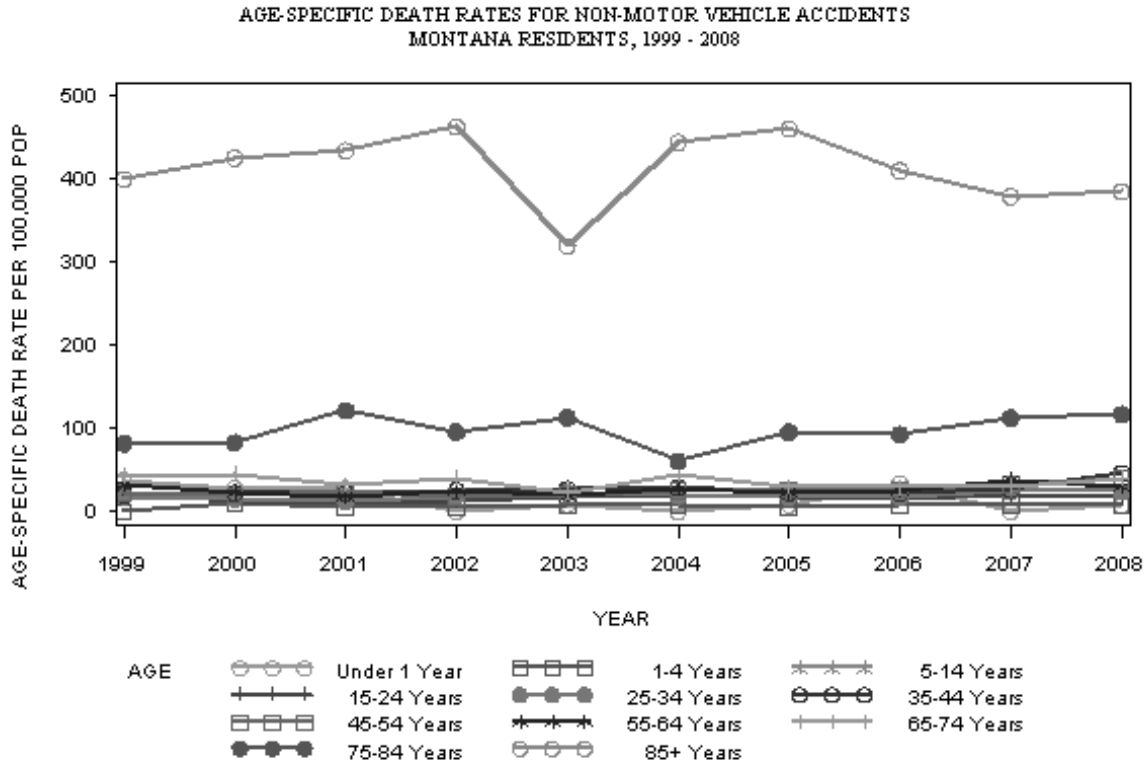
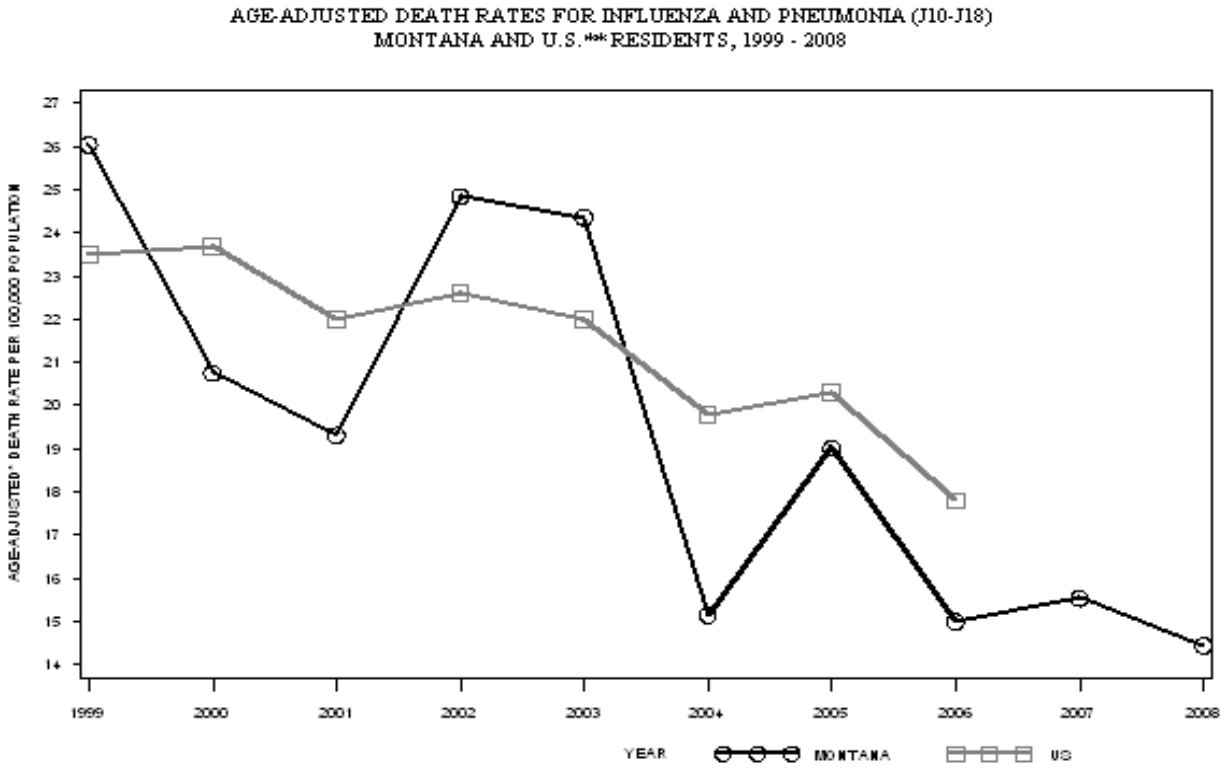


Figure 28



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rates for 2007 and 208 are not yet available.

Figure 29

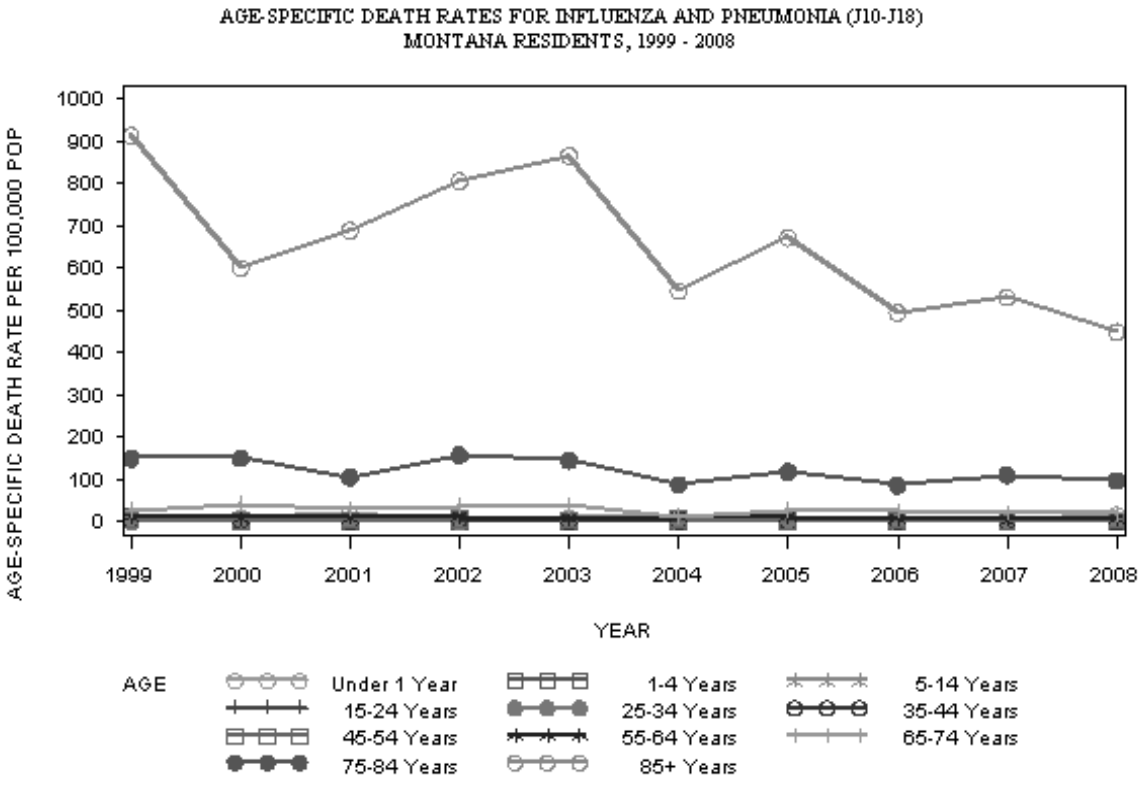
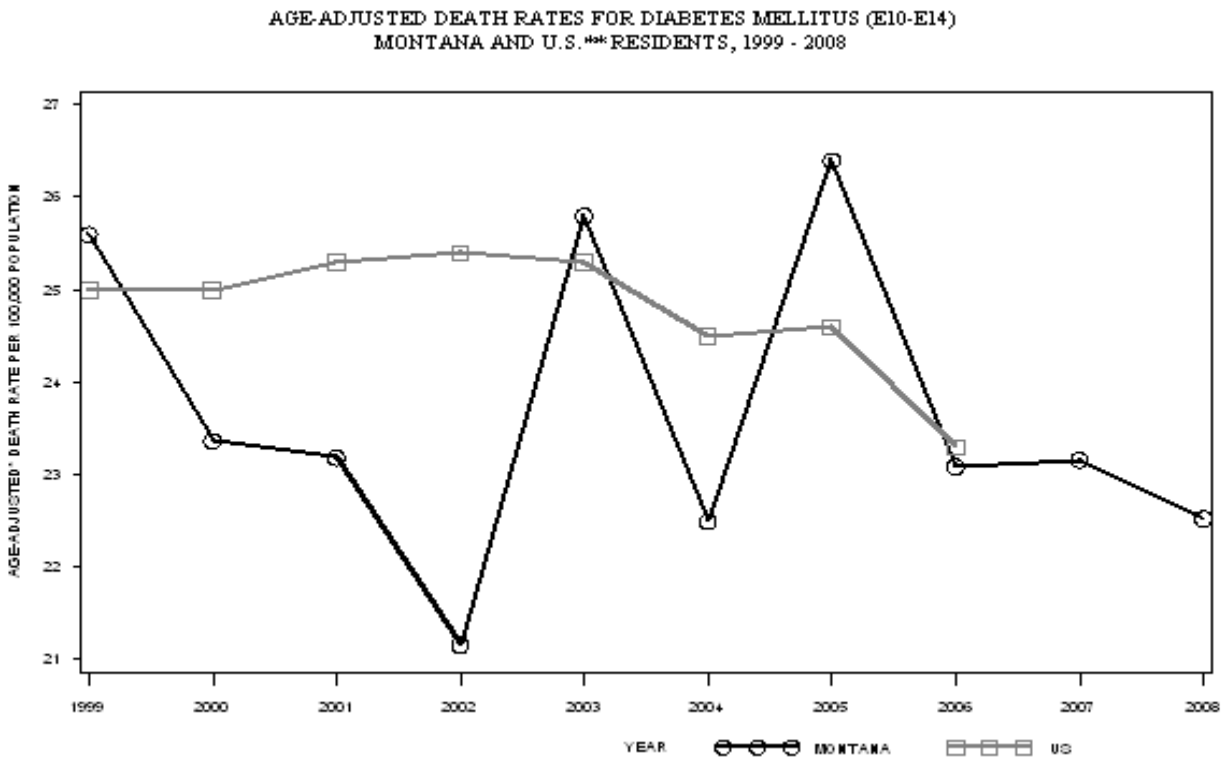


Figure 30



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rates for 2007 and 208 are not yet available.

Figure 31

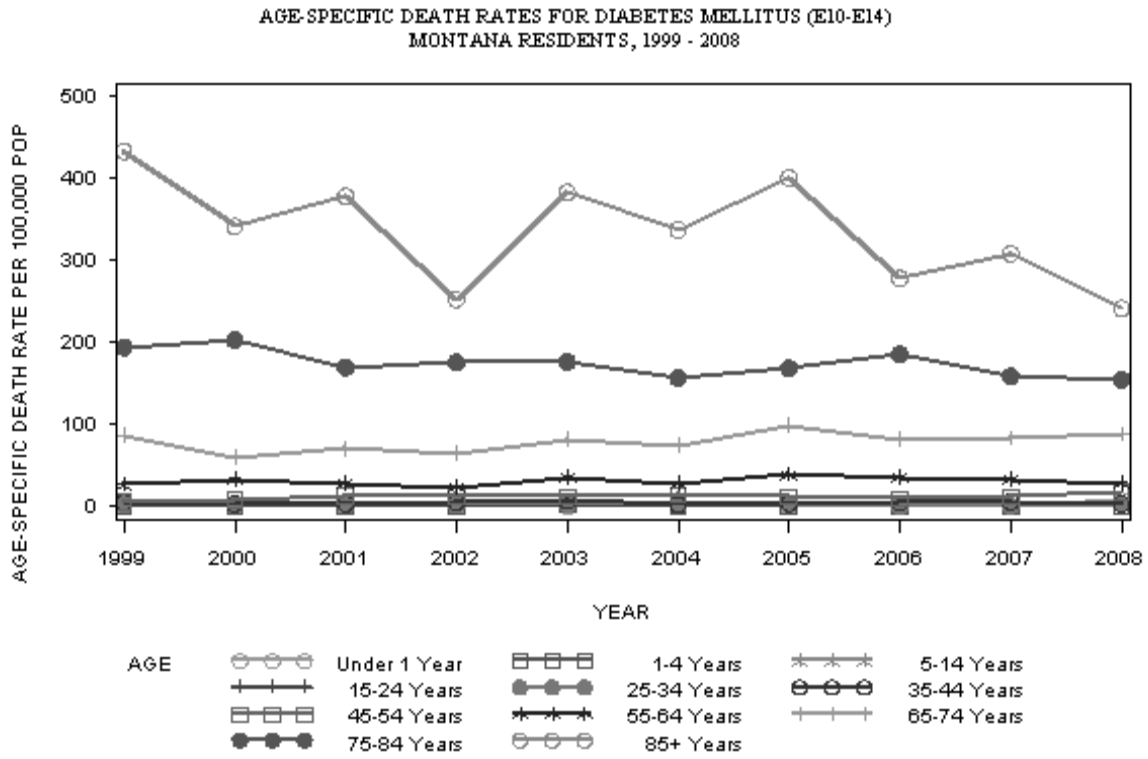
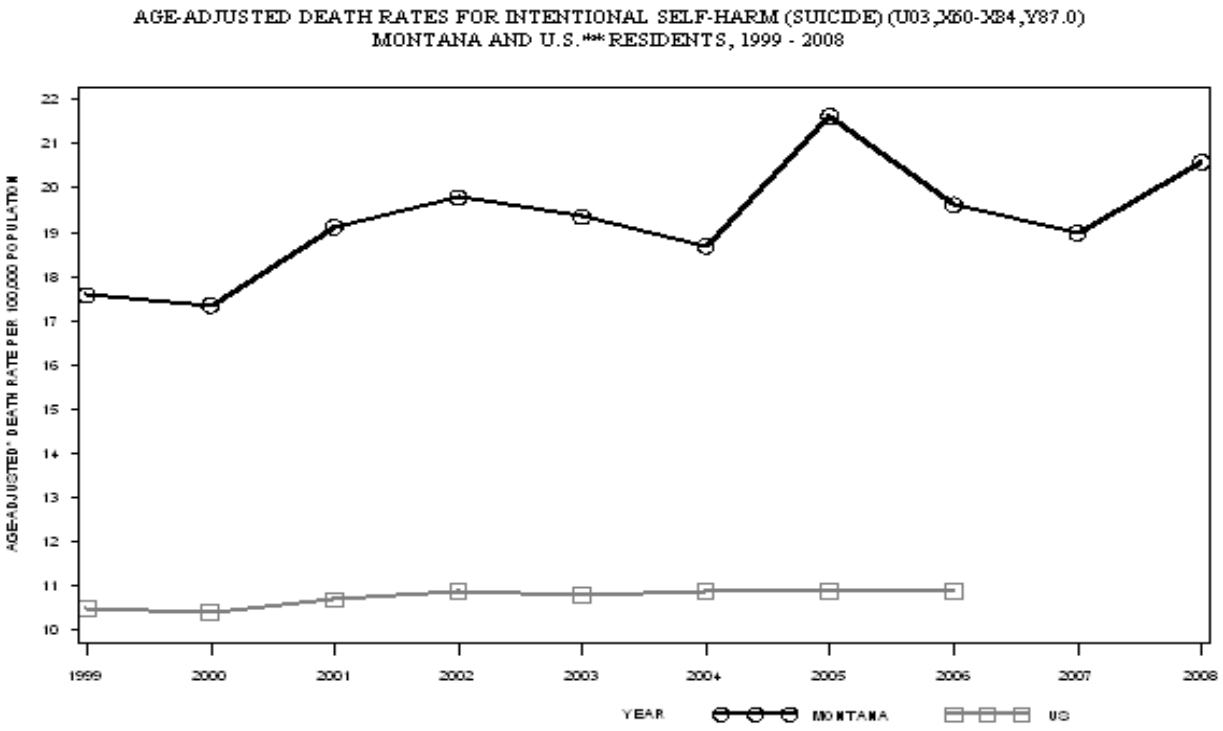


Figure 32



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rates for 2007 and 208 are not yet available.

Figure 33

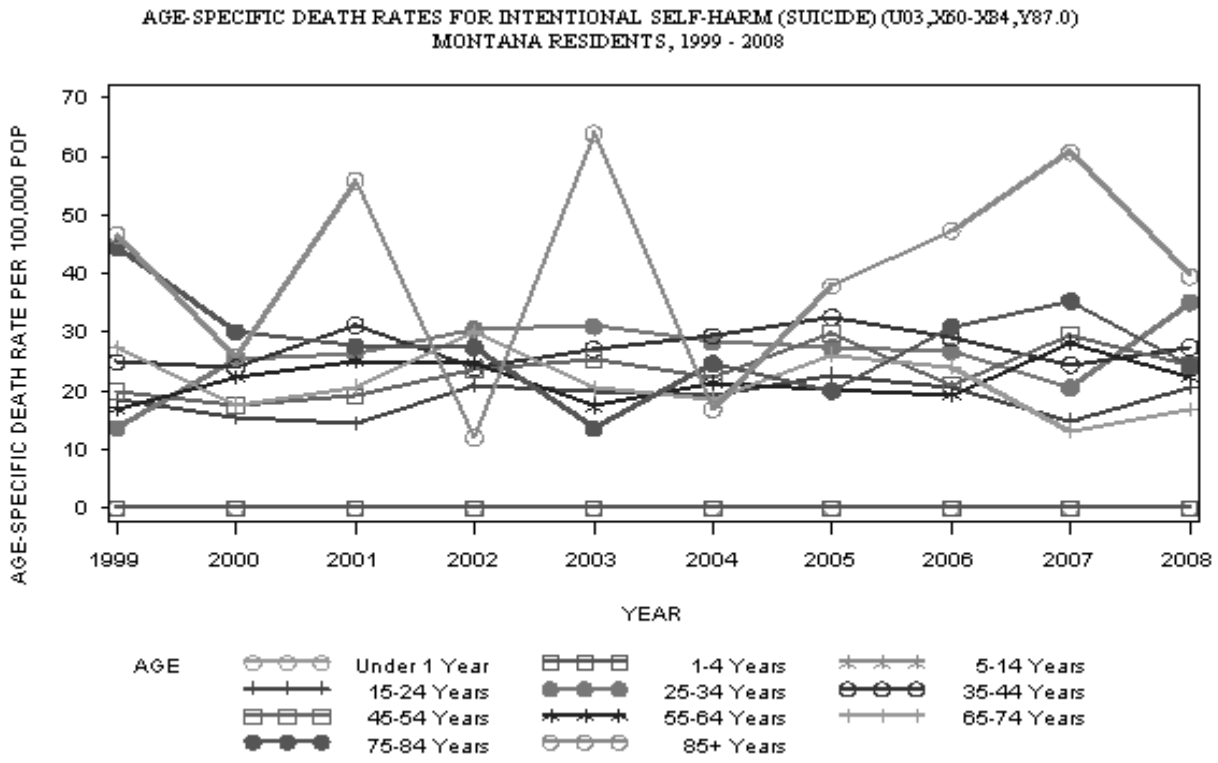
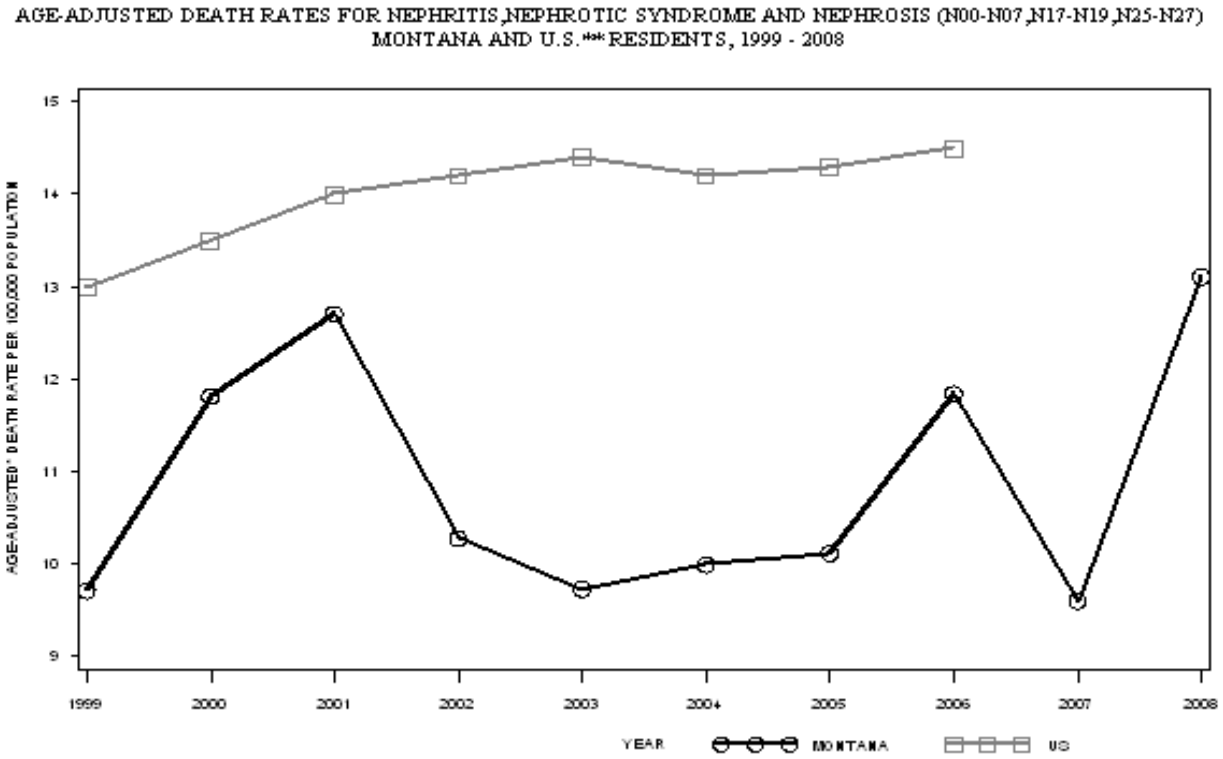


Figure 34



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rates for 2007 and 208 are not yet available.

Figure 35

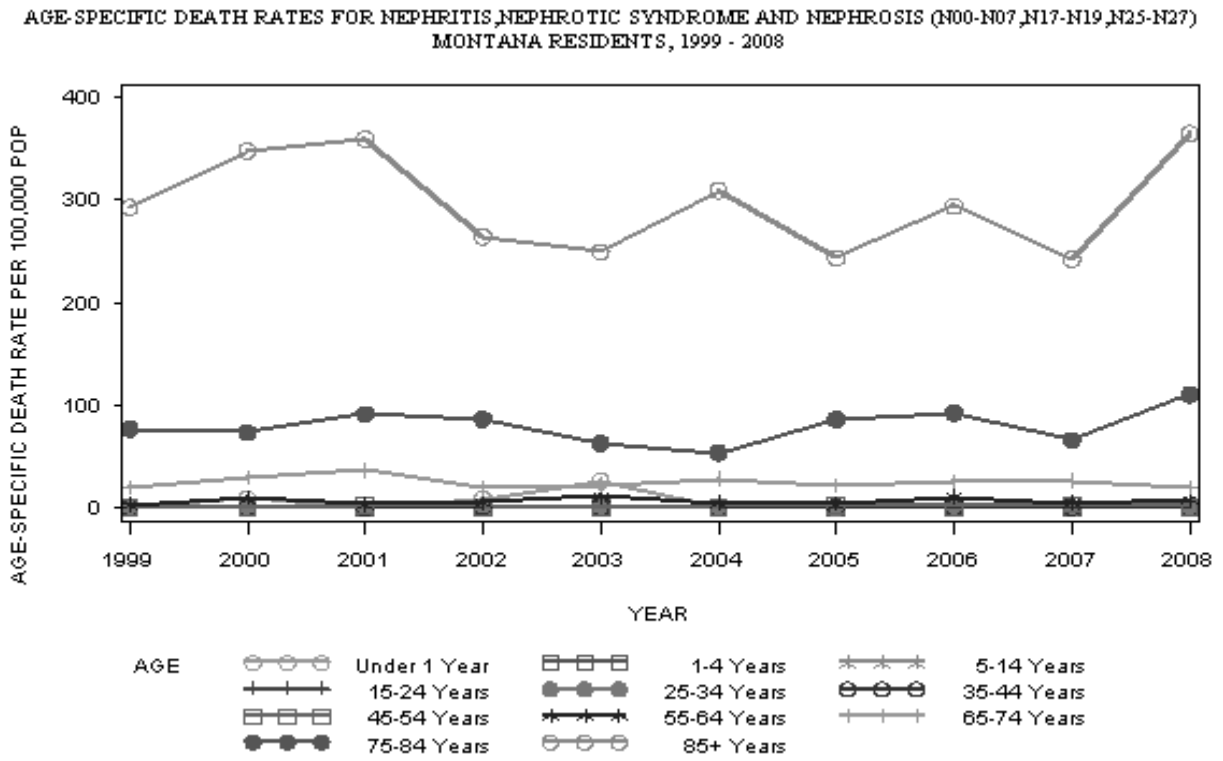
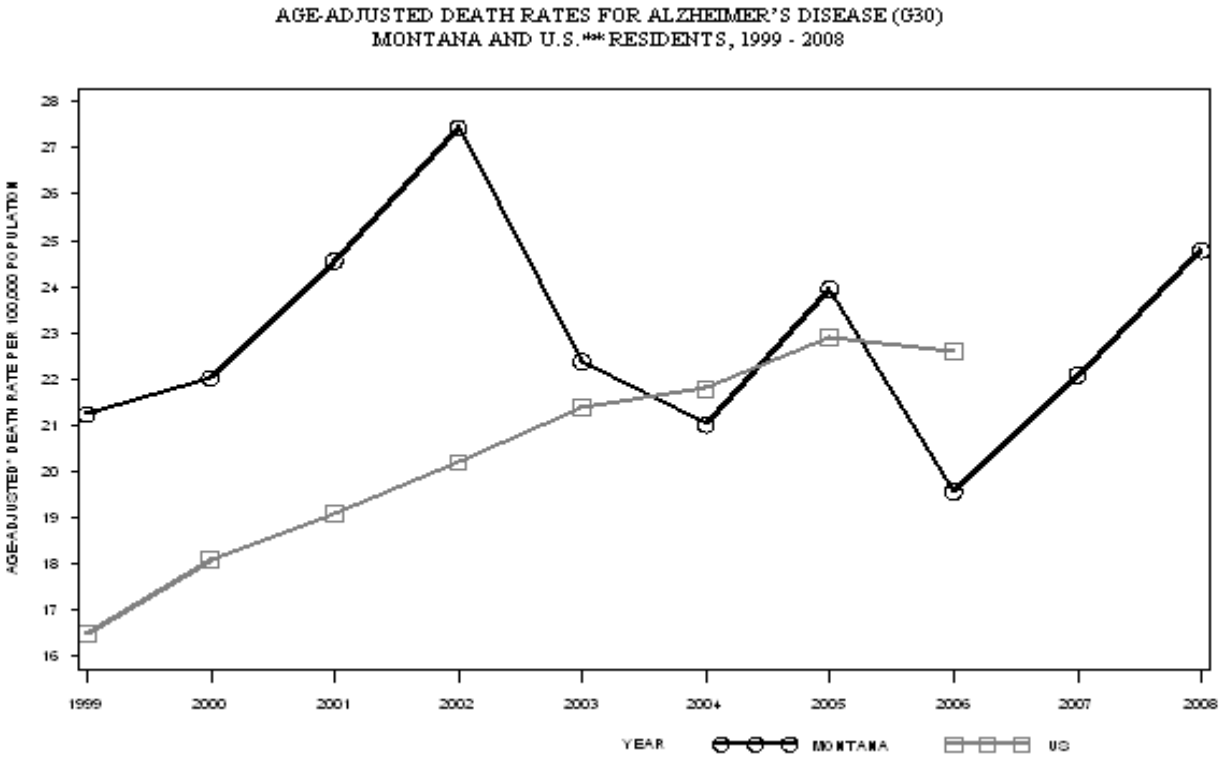


Figure 36



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rates for 2007 and 208 are not yet available.

Figure 37

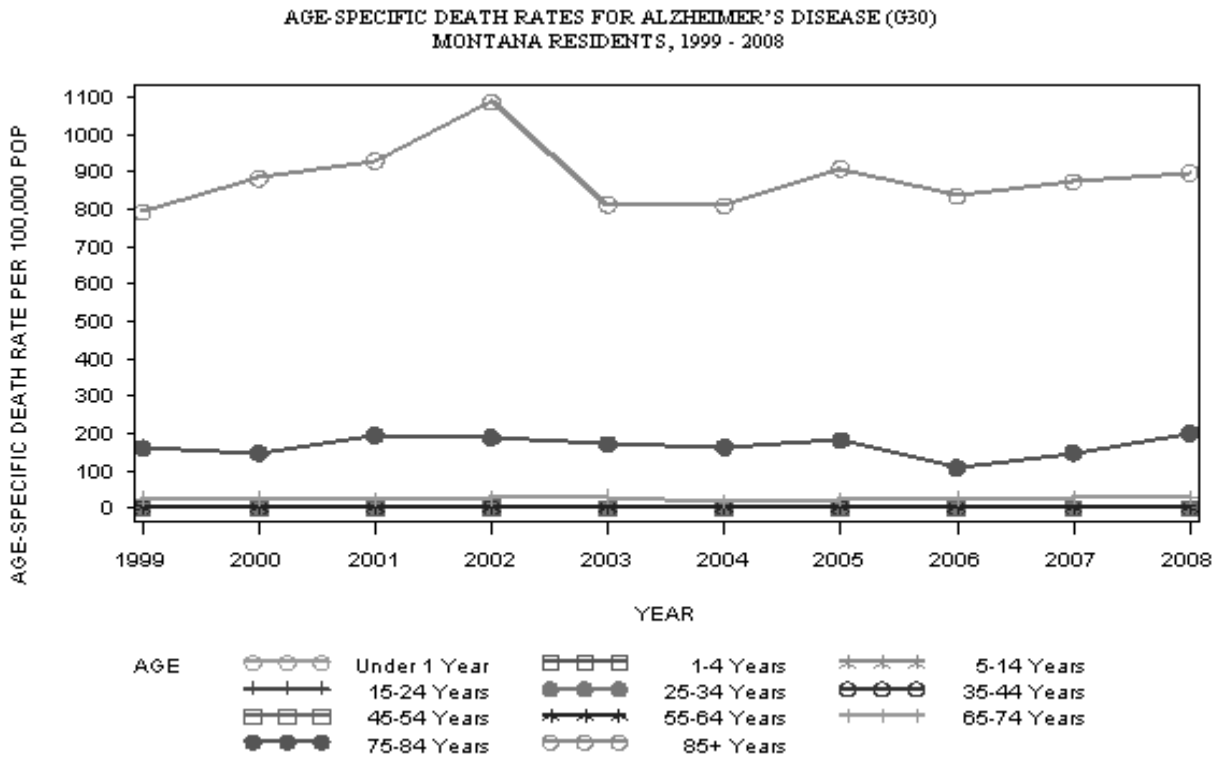
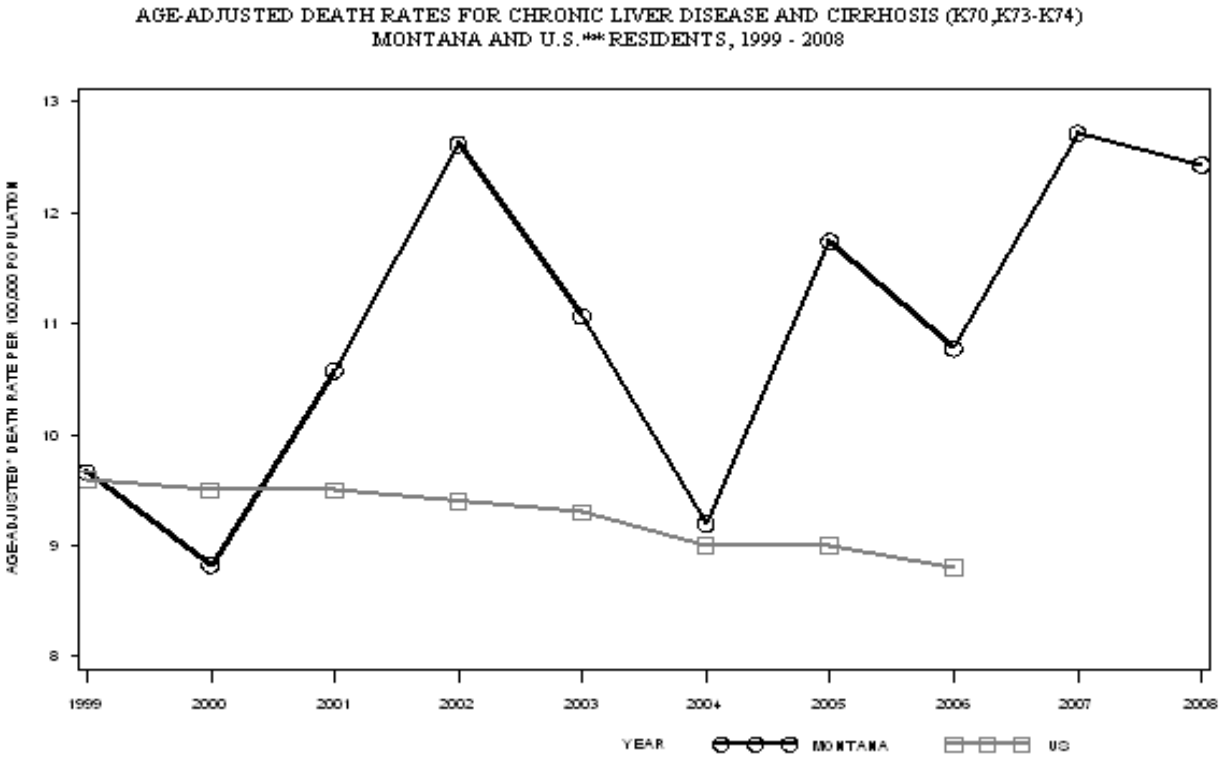


Figure 38



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rates for 2007 and 208 are not yet available.

Figure 39

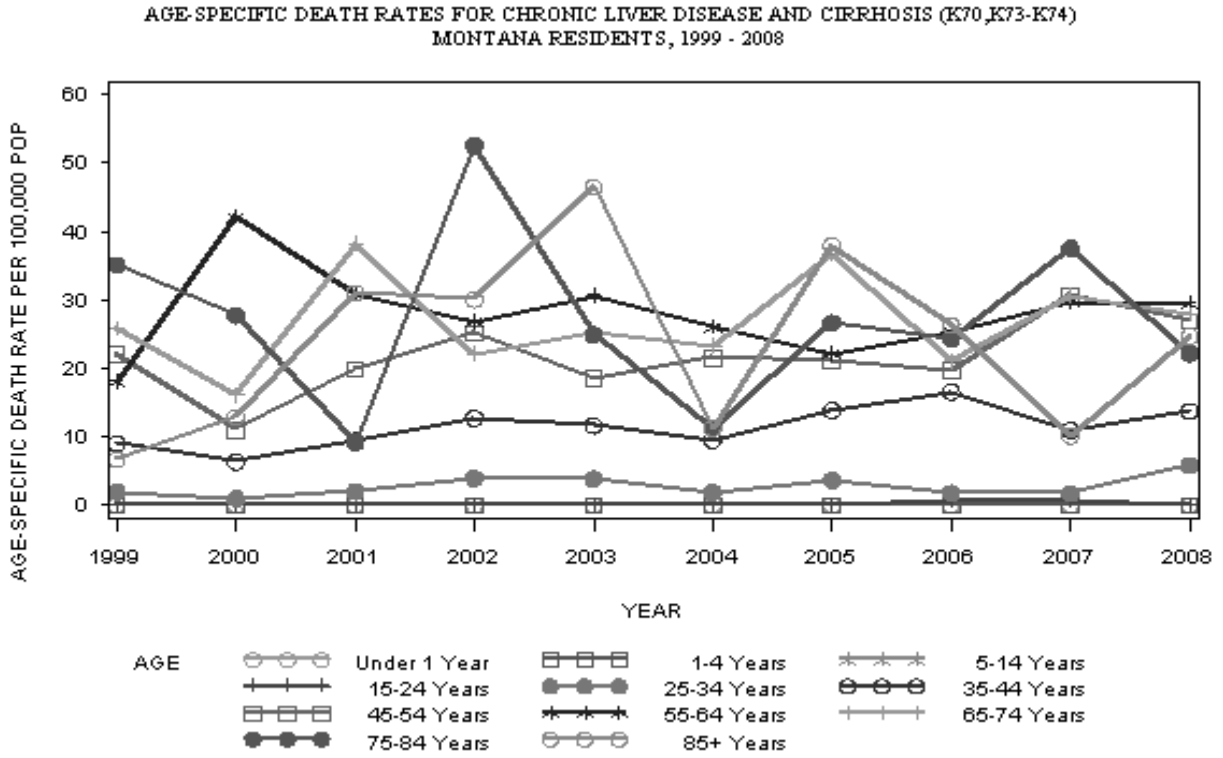
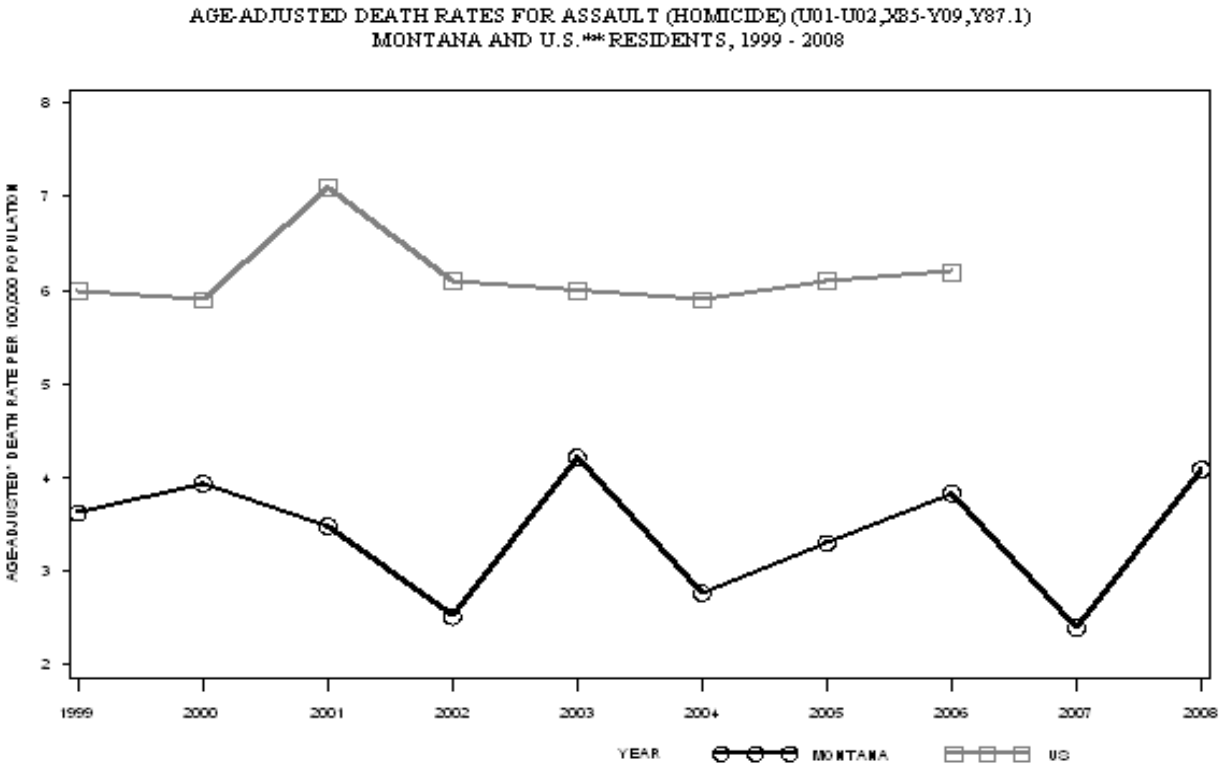
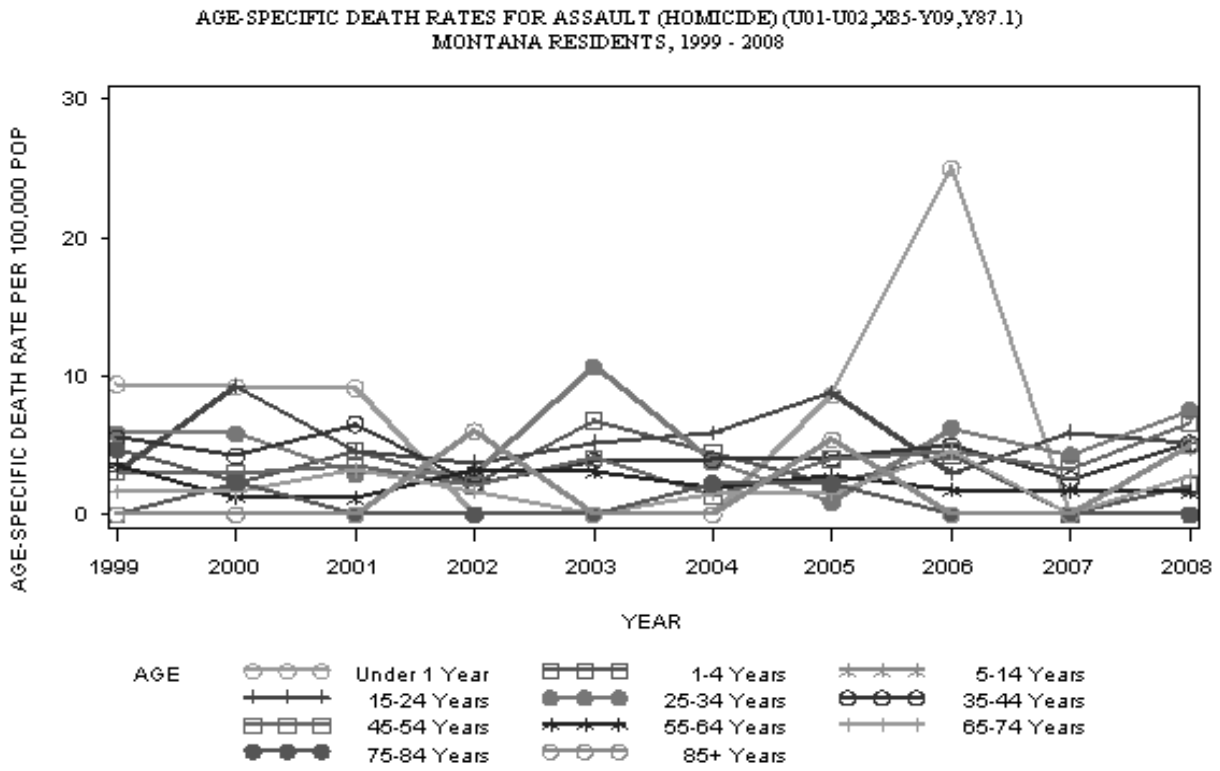


Figure 40



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rates for 2007 and 208 are not yet available.

Figure 41



In all years displayed, Montana's overall (i.e. all-cause) age-adjusted death rates are below or about equal to those for the U.S. and both have declined over time. Montana's age-adjusted death rates are also below those for the U.S. for many of the chronic diseases displayed; Montana's rates for heart disease and nephritis (nephritis, nephrotic syndrome, and nephrosis) were the lower of the two for all years displayed. The state's cancer rates, were lower than those for the U.S in six of the eight years for which both Montana and U.S. values are displayed—and in one of the years, the Montana and U.S. rates were virtually identical. Montana's rates for, chronic liver disease and cirrhosis were lower than U.S. rate in the year 2000 but higher in all other years shown.

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. Montana's death rate from Alzheimer's disease was higher than U.S. rates in seven of the eight years in which both are displayed.

The patterns displayed for other chronic diseases were less conclusive. Montana's death rates for cerebrovascular disease, influenza and pneumonia, and diabetes showed inconsistent relationships with the U.S. rates, with the trend lines crossing each other more than once in this period.

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

These graphs show secular (i.e. long-term, despite occasional instability in the short-term) reductions in Montana's age-adjusted death rates for specific chronic diseases such as heart disease, cancer, influenza and pneumonia, and cerebrovascular disease. The rates for chronic liver disease and cirrhosis are on the increase, although the trend is somewhat unstable. The rates for Alzheimer's, nephritis, C.L.R.D., and diabetes are neither increasing nor decreasing consistently.

The rate for suicide has increased since 1999 and is often about twice the U.S. rate. Both the U.S. and Montana rates for accidents are increasing, although Montana's are much higher than those for the U.S. Montana's rates for motor vehicle accidents are not only higher than U.S. rates, they seem to be slightly increasing while U.S. rates are stable.

AGE, SEX, AND RACE

Different causes of death are likely to be associated with different ages, sexes, and races of the decedent. Males were more likely than females to die of many of the leading causes of death found in Vital Statistics reference tables. For instance, more males than females died of suicide, chronic liver disease and cirrhosis, heart disease, and accidents. On the other hand, more females than males died of cerebrovascular diseases, influenza and pneumonia, and Alzheimer's disease. There was a large difference between the numbers of male and female deaths from traumatic causes. Males accounted for over 63% of the accidental deaths. More than twice as many males as females died of homicide (27 males to 12 females, respectively in 2008.) Finally, more than four times as many males as females committed suicide (160 males to 42 females, respectively in 2008.) In contrast, much more nearly equal numbers of males and females died of heart disease, cancer, and CLRD. **Figure 42** displays frequencies of death for Montanans in the five-year period ending in 2008 by race, sex, and selected major cause of death.

Figure 42

FREQUENCY OF DEATH BY SELECTED CAUSE, RACE, AND SEX
MONTANA RESIDENTS, 2004-2008

Cause of Death	All Races Male	All Races Female	White Male	White Female	Native American Male	Native American Female
All Causes	21,523	20,976	20,176	19,851	1,249	1,040
HEART DISEASE	5,029	4,340	4,807	4,178	203	146
CANCER	4,986	4,519	4,752	4,299	216	197
ACCIDENTS	1,777	1,008	1,555	879	211	119
CHRONIC LOWER RESPIRATORY DISEASES	1,508	1,519	1,455	1,465	48	51
NON-MOTOR-VEHICLE ACCIDENTS	940	630	851	578	86	49
CEREBROVASCULAR DISEASE	927	1,427	892	1,369	30	53
MOTOR VEHICLE ACCIDENTS	832	373	701	296	124	70
SUICIDE	784	177	721	158	59	18
DIABETES	661	621	587	557	70	58
INFLUENZA AND PNEUMONIA	408	489	384	472	20	17
ALZHEIMER'S DISEASE	375	899	371	885	4	14
CHRONIC LIVER DISEASE AND CIRRHOSIS	356	246	288	158	67	87
NEPHRITIS, NEPHROTIC SYNDROME & NEPHROSIS	301	309	287	285	12	24
OTHER CAUSES	4,007	5,134	3,747	4,897	240	219

As mentioned in the Technical Overview of this report, the Montana death certificate, beginning in 2003, records race in greater detail than in the past. Not only are more racial categories used, but informants are also specifically asked to name all of the several classifications that may apply to a decedent. The result of this additional prompting has been a much greater proportion of decedents classified by two or more races. In order to calculate mortality rates by race, NCHS has provided OVS the most likely “bridged,” or main, race for each decedent. These bridged race classifications are described in the introduction of this report and are used in the report’s figures and mortality reference tables. This different manner of counting deaths by race could very possibly alter the outcome of age-specific or cause-specific mortality ratios calculated for the various races and affect apparent racial disparities. **Figure 43** displays the distribution of decedents by race for the last decade, by year of death.

Figure 43

FREQUENCY AND PERCENT DISTRIBUTION OF DEATH BY RACE*
MONTANA RESIDENTS, 1999-2008

RACE	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
ALL RACES	8,082	8,071	8,252	8,473	8,441	8,100	8,497	8,435	8,570	8,897
WHITE	7,618	7,668	7,839	8,003	7,975	7,629	8,019	7,918	8,083	8,378
Percent	94.3	95.0	95.0	94.5	94.5	94.2	94.4	93.9	94.3	94.2
NATIVE AMERICAN	429	366	385	433	425	438	443	481	454	473
Percent	5.3	4.5	4.7	5.1	5.0	5.4	5.2	5.7	5.3	5.3
OTHER OR UNKNOWN RACE	35	37	28	37	41	33	35	36	33	46
Percent	0.4	0.5	0.3	0.4	0.5	0.4	0.4	0.4	0.4	0.5

* Only single racial classifications were reported on the Montana death certificate in years prior to 2003. In subsequent years multiple races were reported and, for those records on which more than one race was reported, a single main or "bridged" race was chosen from among the reported races.

Slightly less than a fifth (19.8%) of the Native Americans who died in 2008 died of one of the traumatic causes—suicide, homicide, or accident—while only about half that proportion of the deaths of whites (8.6%) were attributed to these causes.

Accidents caused a greater proportion of the deaths among the young than the old. They accounted for 18.0% of the deaths of those 14 years of age or younger, 60.0% of the deaths of those between the ages of 15 and 24, and 45.0% of those between the ages of 25 and 34 years. By contrast, accidents accounted for less than 3% of the deaths of those aged 65 or older.

Suicide was the cause of death for 17.2% of the decedents between the ages of 15 and 44. By contrast, it was the cause of death for only 2.2% of decedents of all ages. Of the suicide victims, four-fifths (79.2%) were males.

As age at death increased, chronic diseases—particularly heart disease and cancer—became more frequent as the cause of death. Cancer and heart disease were the leading causes of death for the age categories between 45 and 84 years—27.6% and 21.9% of the deaths in that age group, respectively. However, for the age categories 85 and older, heart disease was the leading cause, with cancer second—26.5% and 11.7%, respectively. For the all-age category, heart disease (22.2%) was the leading cause of death, followed closely by cancer (20.8%).Frequencies of death for 2008 by cause and age group are shown in **Figure 44**. Frequencies and crude rates for the ten leading causes of death (for decedents of all ages) are shown for Montana and each of its counties in **Table S-5**.

Figure 44

FREQUENCY OF DEATH BY SELECTED LEADING CAUSES OF DEATH AND AGE MONTANA RESIDENTS, 2008

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	8,897	87	12	27	128	171	241	591	997	1,461	2,332	2,850
HIV INFECTION	9	0	0	0	0	0	1	8	0	0	0	0
CANCER	1,854	0	2	2	4	6	22	118	343	481	544	332
DIABETES	254	1	0	0	1	4	4	27	35	63	70	49
ALZHEIMER'S DISEASE	293	0	0	0	0	0	0	0	1	19	91	182
HEART DISEASE	1,975	2	1	0	4	13	20	111	219	331	519	755
CEREBROVASCULAR DISEASE	454	0	0	0	0	0	3	10	27	64	128	222
ATHEROSCLEROSIS	38	0	0	0	0	0	0	0	7	5	9	17
INFLUENZA AND PNEUMONIA	170	2	1	0	0	1	1	8	9	13	44	91
CHRONIC LOWER RESPIRATORY DISEASES	688	0	0	0	0	2	2	19	57	146	265	197
CHRONIC LIVER DISEASE AND CIRRHOSIS	136	0	0	0	0	7	16	41	37	20	10	5
NEPHRITIS, NEPHROTIC SYNDROME & NEPHROSIS	153	0	0	0	0	1	1	2	11	14	50	74
CONGENITAL MALFOMATIONS & CHROMOSOMAL ANOMALIES	36	21	0	0	1	1	1	3	6	2	1	0
CONDITIONS ORIGINATING IN PERINATAL PERIOD	27	27	0	0	0	0	0	0	0	0	0	0
SUDDEN INFANT DEATH SYNDROME	11	11	0	0	0	0	0	0	0	0	0	0
ACCIDENTS	590	2	5	18	70	71	86	92	61	40	60	85
MOTOR VEHICLE ACCIDENTS	216	1	1	12	46	43	32	32	23	12	7	7
NON-MOTOR-VEHICLE ACCIDENTS	374	1	4	6	24	28	54	60	38	28	53	78
SUICIDE	202	0	0	4	28	42	32	37	28	12	11	8
HOMICIDE	39	0	1	1	7	9	6	10	2	2	0	1
OTHER CAUSES	1,968	21	2	2	13	14	46	105	154	249	530	832

YEARS OF POTENTIAL LIFE LOST

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

Frequencies and crude population-based rates for the ten leading causes of death for Montana residents are reported in **Table S-5**. The ten leading causes of death, in order, are heart disease (22.2% of all resident deaths), cancer (20.8%), chronic lower respiratory diseases (CLRD) (7.7%), accidents (6.6%), cerebrovascular disease (5.1%) Alzheimer's disease (3.3%), diabetes (2.9%), suicide (2.3%), pneumonia and influenza (1.9%), nephritis, nephrotic syndrome and nephrosis (1.7%).

Figure 45

FREQUENCY OF DEATH BY CAUSE OF DEATH
MONTANA RESIDENTS, 2008

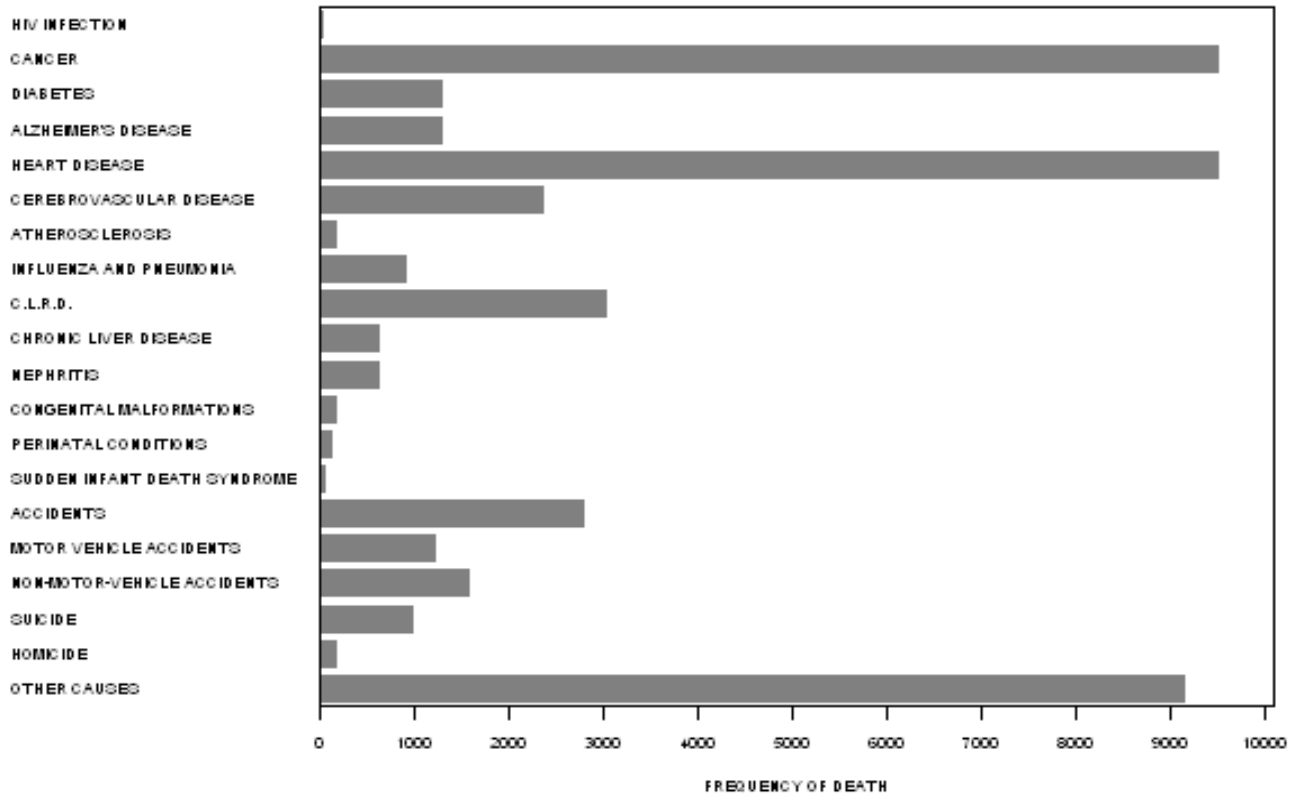


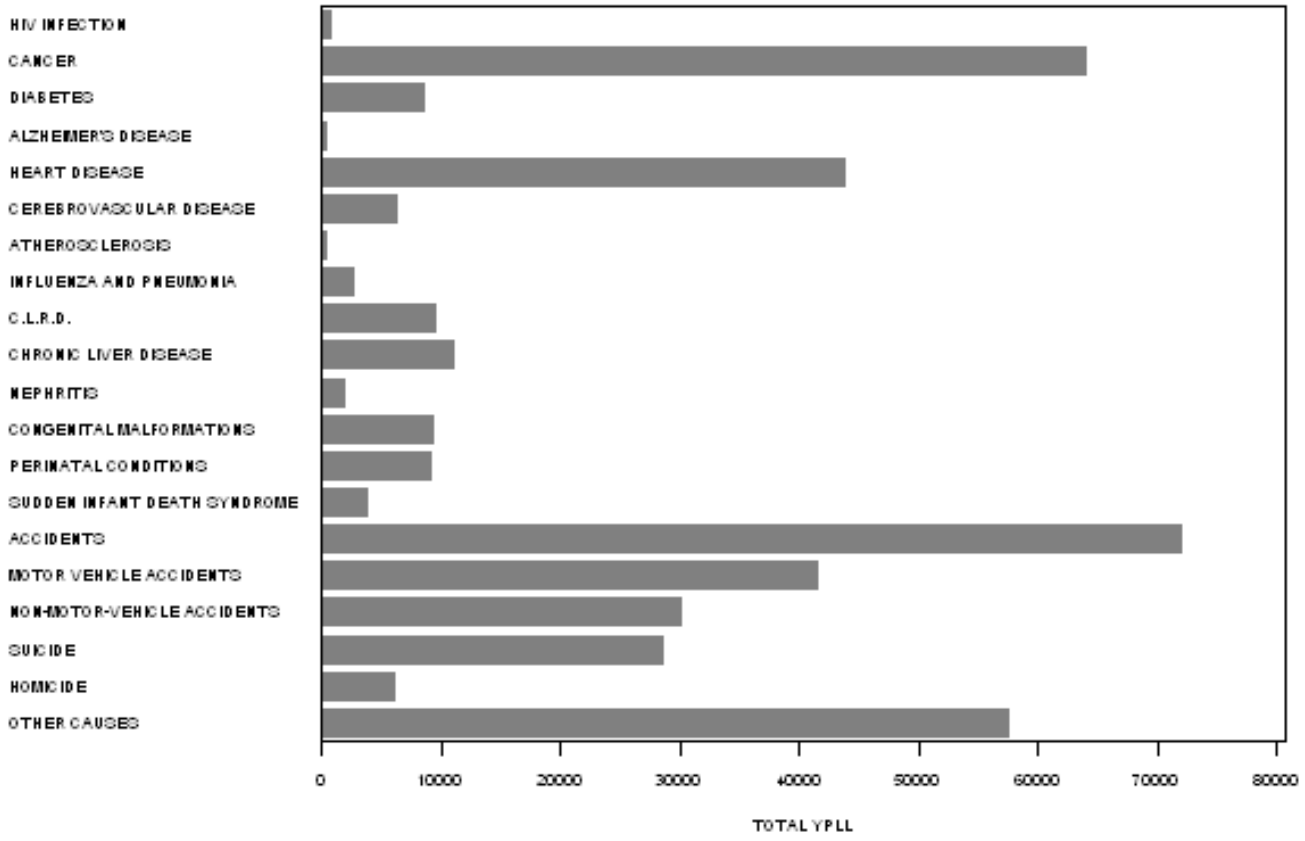
Figure 45 represents the traditional view of cause of death analysis, showing the frequency, or number of deaths, in each cause of death category. Montanans of all ages who died of one of the listed causes in 2007 are reflected in this figure.

An alternative perspective, YPLL-75, is shown in **Figure 46**. Only decedents younger than 75 at the time of death are reflected in this figure

Accidents (both motor and non-motor-vehicle), homicide and legal intervention, and suicide comprise only 9.3% of the deaths in 2008 but accounted for 33.1% of the total losses as measured by YPLL-75. This disparity in proportions, with less than a tenth of the deaths accounting for nearly a third of all years lost, points to the disproportionately large cost (in terms 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 46

TOTAL YEARS OF POTENTIAL LIFE LOST BEFORE AGE 75
BY CAUSE OF DEATH
MONTANA RESIDENTS, 2008



In 2008, the total loss of life before age 75 was 69,897 years. The loss to society resulting from cancer was 17.4% of all years lost less than 75 years old. Accidental deaths of any type (motor and non-motor vehicle accidents) accounted for 22.0% of total YPLL, with motor vehicle accidents accounting for 11.2% and non-motor-vehicle accidents accounting for 10.8%. Heart disease also caused large losses to society, accounting for 9,558 years lost (13.7%). Other deaths due to traumatic injury such as suicide and homicide, accounted for 9.0% and 2.1%, respectively.

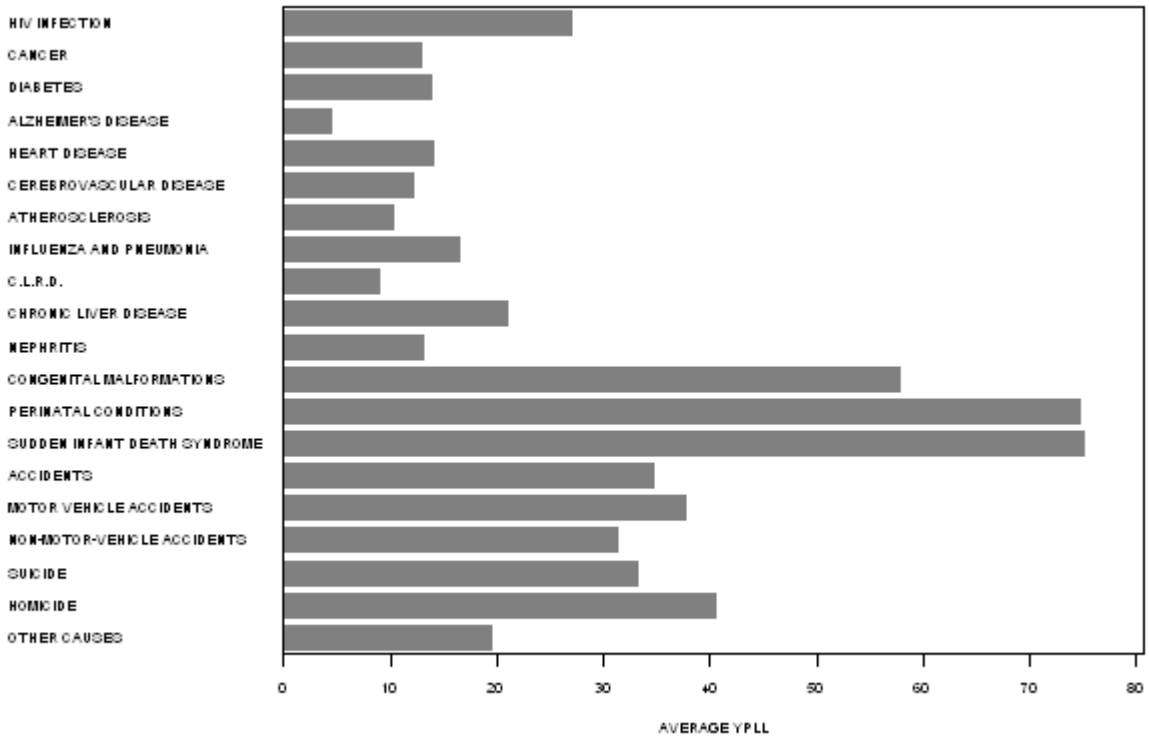
Regardless of which of these two perspectives is used, cancer and heart disease cause a large social loss because of the numbers of deaths they cause, both among decedents of all ages and those less than 75 years of age. In both cases many of the decedents were younger than 75 years of age at death. Nearly 53 percent of cancer victims were younger than 75. About a third of heart disease victims were younger than this age. The YPLL-75 perspective does reorder the ranking of the leading causes of death, highlighting areas the CDC has said "provide the greatest potential for health improvement." (Morbidity and Mortality Weekly Report, June 20, 1997).

Frequency of accidental deaths (both motor and non-motor vehicle) was ranked fourth in cause of death by frequency but this cause of death is ranked first in terms of YPLL-75 (15,391 years), indicating that accidental deaths are prevalent in those less than 75 years of age and cause great losses to society due to premature death. Suicide ranked eighth by frequency, but became the fourth leading cause when measured by total YPLL-75 (6,301.)

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. 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. This measure is shown in **Figure 47**.

Figure 47

AVERAGE YEARS OF POTENTIAL LIFE LOST BEFORE AGE 75
BY CAUSE OF DEATH
MONTANA RESIDENTS, 2008



The category "conditions originating in the perinatal period" showed the greatest average loss to an individual (75 years lost.) Traumatic causes of death--including homicide and legal intervention (38.4 years lost), motor vehicle accidents (38.8 years lost), suicide (34.4 years lost) and non-motor-vehicle accidents (31.1 years lost)—occupied among the next four highest ranks.

Figure 48 on the following page summarizes a five year average YPLL-75 by race, the number of decedents younger than 75 years old, total YPLL-75, frequency of death, and age statistics by race for selected causes of death. The left portion of the table shows YPLL-75 and related measures for decedents less than 75 years of age. The right portion of the table shows age statistics referring to all decedents, regardless of age.

Specific causes of death are shown in descending order of average years of life lost before age 75. In general, average YPLL-75 was high when median age was low. For instance, victims with Alzheimer's had the lowest associated average YPLL-75, 4.4 years per decedent younger than 75, and the highest median age, 87.0 years, among all the specified causes.

There were several exceptions, however, because average YPLL-75 is influenced by both the age at which decedents died and the number of decedents under age 75 in the cause-of-death category in question. Average YPLL-75 was highest for those dying of conditions arising in the perinatal period. This is not surprising, since such decedents generally die in infancy or early childhood. Compared to the numbers who died of cancer (9,505) or heart disease (9,369), relatively few residents died of conditions arising in the perinatal period. However, all 170 of these decedents died with in the first year of life and each contributed the maximum number of years (75) to total YPLL-75.

Although YPLL has significant advantages for analyzing mortality data from a public health perspective, it has a decided disadvantage in that some data—the records of the older decedents—are excluded from the analysis. More than half of the decedents who died from influenza and pneumonia, nephritis, heart disease, septicimia, cerebrovascular disease, chronic lower respiratory disease, atherosclerosis, and Alzheimer's are excluded from YPLL-75 analysis. While YPLL highlights those causes of death having the greatest impact on the younger members of the population, it does so at the cost of diverting attention from the causes of death affecting older members.

Figure 48

AGE AT DEATH AND YEARS OF POTENTIAL LIFE LOST BEFORE AGE 75
BY CAUSE OF DEATH
CENTRAL TENDENCY AND DISPERSION*
MONTANA RESIDENTS, 2004-2008

	DECEDENTS YOUNGER THAN 75 YEARS OF AGE					DECEDENTS OF ALL AGES							
	AVERAGE YPLL							MEDIAN AGE					
	RACE							RACE					
CAUSE OF DEATH	ALL RACES	WHITE	AI/AN	NUMBER OF DECEDENTS YOUNGER THAN 75	TOTAL YPLL	MIN AGE	MEAN AGE	ALL RACES	WHITE	AI/AN	MAX AGE	STANDARD DEVIATION	NUMBER OF DEATHS
ALL CAUSES	19.0	18.1	27.2	17,628	335,613	0	73.2	78	79	59	112	18.8	42,499
CONGENITAL MALFOMATIONS & CHROMOSOMAL ANOMALIES	57.9	57.0	61.5	161	9,315	0	20.7	0	0	0	95	28.5	170
HOMICIDE	40.6	38.9	43.2	150	6,090	0	35.6	35	40	27	93	18.7	154
ACCIDENTS	34.7	33.4	41.4	2,071	71,902	0	52.1	50	52	33	104	25.4	2,785
SUICIDE	33.2	32.3	41.5	861	28,601	12	46.0	45	46	32	95	19.2	961
HIV INFECTION	27.0	26.4	30.0	27	728	37	48.0	47	48	45	65	6.6	27
CHRONIC LIVER DISEASE AND CIRRHOSIS	21.0	18.8	26.3	526	11,035	23	57.5	56	59	50	98	13.5	602
INFLUENZA AND PNEUMONIA	16.6	15.3	28.9	161	2,667	0	82.7	86	86	79	106	14.5	897
HEART DISEASE	14.0	13.7	17.6	3,116	43,721	0	77.8	81	82	68	111	14.4	9,369
DIABETES	13.9	13.3	16.8	613	8,510	0	73.1	75	77	63	101	14.3	1,282
NEPHRITIS, NEPHROTIC SYNDROME & NEPHROSIS	13.1	12.0	16.7	147	1,926	16	80.4	83	84	68	112	13.2	610
CANCER	12.9	12.7	15.6	4,952	63,952	1	72.0	74	74	67	106	13.2	9,505
CEREBROVASCULAR DISEASE	12.1	11.7	16.4	515	6,236	0	81.2	84	84	74	107	12.1	2,354
ATHEROSCLEROSIS	10.4	10.4	11.0	41	425	49	82.0	84	84	82	103	12.0	170
CHRONIC LOWER RESPIRATORY DISEASES	8.9	8.8	11.8	1,064	9,490	2	77.3	79	79	74	103	10.5	3,027
ALZHEIMER'S DISEASE	4.4	4.4	4.3	86	381	51	86.4	87	87	84	105	7.2	1,274
OTHER CAUSES	19.5	18.6	26.3	2,966	57,846	0	76.5	82	82	61	108	18.2	9,141

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

INDUCED ABORTION

There were 2,125 induced abortions performed in Montana in 2008. Of these, 1,916 were performed on Montana residents. Induced abortions have been reported to the Department since July 1, 1974, when the Montana Abortion Control Act was implemented. States no longer report induced abortions to NCHS and few states exchange resident abortion statistics. For these reasons, national abortion rates are estimates based on incomplete reporting and Montana's complete resident abortion statistics are unknown. The statistics provided in this report are for those abortions occurring in Montana, and any references to Montana residents must be viewed as incomplete. **Figure 49** shows the ratio of abortions performed in Montana to live births occurring in Montana since 1976.

Since the reporting of induced abortions began, and continuing on to the early eighties, the ratio of abortions performed in Montana to the number of live-born babies delivered in the state increased rapidly; the ratio was 129.9 in 1975 and rose to a peak of 295.6 in 1983. The trend fell and reached another near-peak (295.2) in 1990. From 1990 to the present, it has generally trended downward, varying unpredictably in some years. The ratio was 180.5 in 2007, a slight increase over the previous year.

Figure 49

RATIO OF INDUCED ABORTIONS TO LIVE BIRTHS
MONTANA OCCURRENCES, 1976-2008

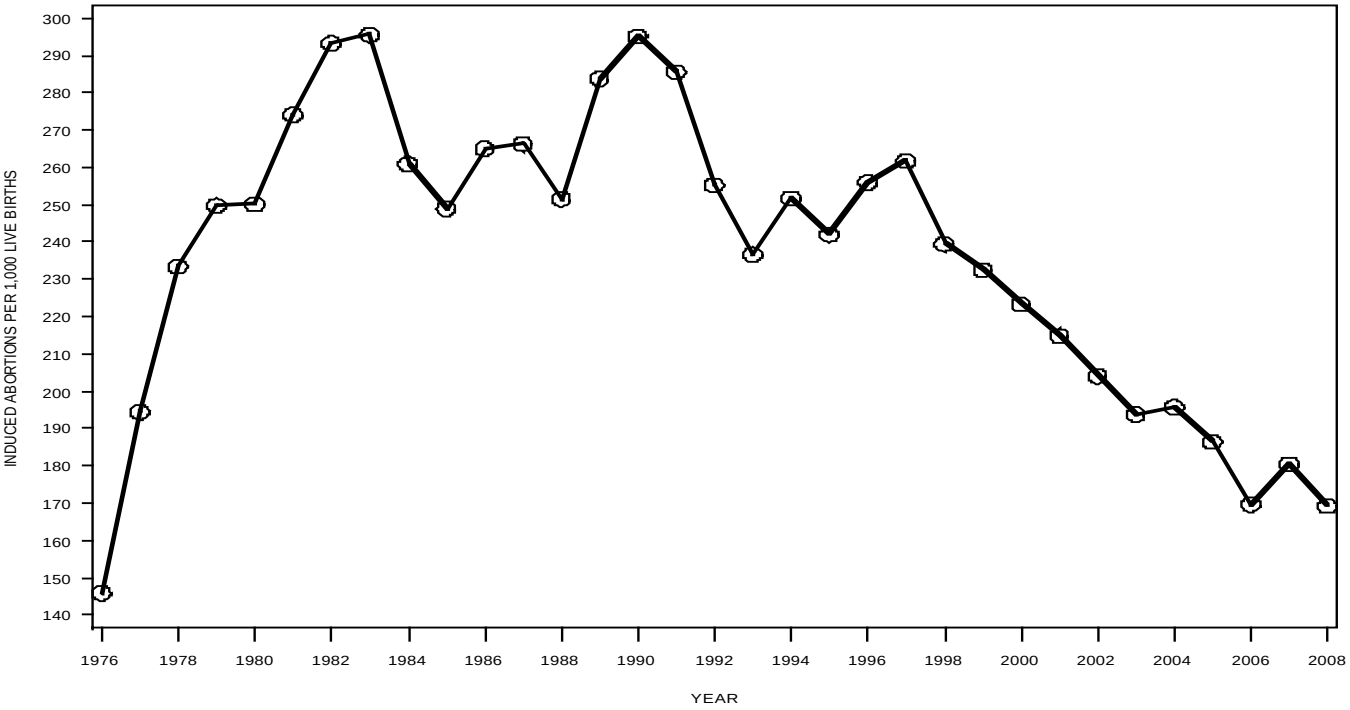


Table A-1 displays Montana occurrence abortions by the patient's number of previous pregnancies and number of previous induced abortions for 2007.

The frequency of induced abortion for all patients receiving the procedure in Montana in that year is also tabulated by age of patient (**Table A-2**) and by gestational age and procedure used for termination and gestational age of the fetus (**Table A-3**).

Table A-4 displays Montana occurrence abortions by county of occurrence, Montana county of residence, and state or country of residence.

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-6 shows the frequency of induced abortions--as well as that of live births and fetal deaths, the other pregnancy outcomes reported to the Department—by age and county of residence. The frequency of abortion in this table is for Montana residents receiving the procedure in Montana.

There were no deaths of women receiving abortions in Montana in 2008 attributable to the procedure of induced abortion. This has been the case in Montana since 1974.

Of the 2,125 abortion procedures performed in Montana in 2008, seven resulted in reported complications-- one with both hemorrhage and retained products, four with retained products alone, one with a failed surgical procedure, and one with a failed medical procedure.

MARRIAGE

There were 7,467 marriages solemnized in Montana in 2008 and the rate per 1,000 population, 7.7, was a slight increase over the previous year's rate. However, despite the recent increase in the Montana marriage rate, the trends in marriage rates for both Montana and the United States have been in long-term decline since 1980 (see **Figure 50** below) and it seems too early to tell if this recent pattern will hold.

Figure 50

MARRIAGE RATES
MONTANA AND THE UNITED STATES, 1973-2008

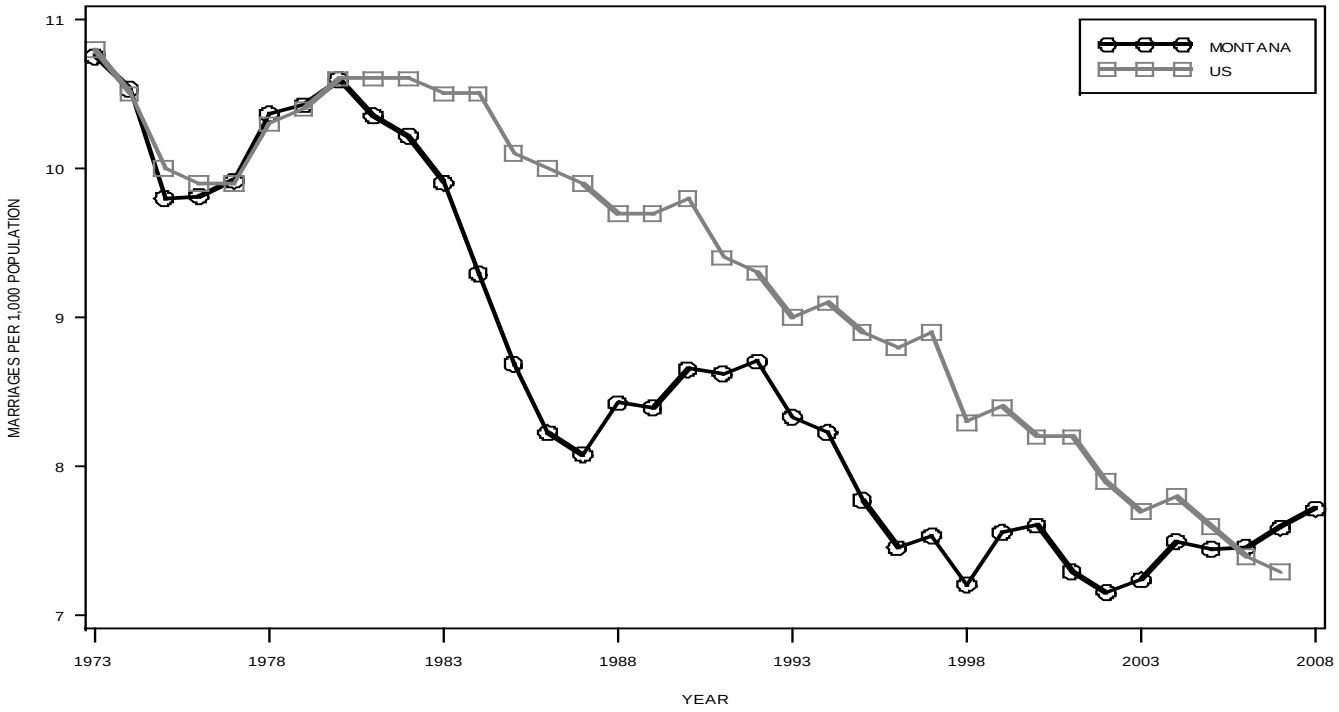


Table S-5 shows the number of marriages solemnized by the county where those marriages were performed. This table also shows the number of licenses issued, by county, for all marriages solemnized in Montana.

Table M-1 shows the frequency of marriage by month in the year 2008. The summer and early fall months (June through September) have been the most popular times for marriage.

The ages of brides and grooms, by age groups and prior marital status, are shown in **Table M-2**. Two-thirds of the brides (66.5%) and grooms (67.2%) married for the first time in 2008.

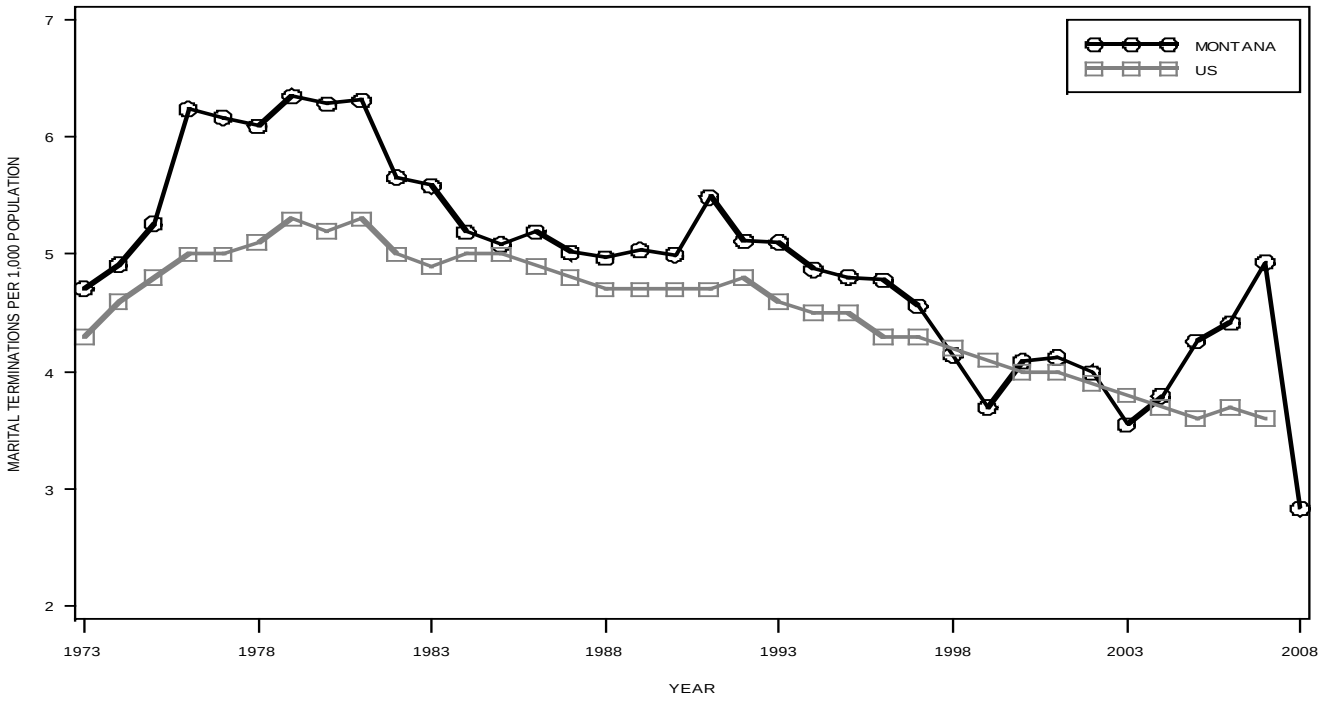
Just over half (56.6 %) of all marriages performed in Montana in 2008 were first marriages for both the bride and the groom. The frequency of such marriages is shown in **Table M-3** by age group of bride and groom. Median ages of brides and grooms are shown in **Table M-4**. The median age for first-time brides in 2008 was 24 years and that of first-time grooms was 26.

MARITAL TERMINATION

In October of 1998, the Judicial branch of Montana government assumed responsibility for the collection of marital termination records (marital dissolutions and invalid marriages). The records from 1998 through 2008 are not comparable to those collected by the Office of Vital Statistics (OVS) in prior years. However, **Figure 51** shows that the trend in marital termination for Montana was roughly parallel to the national trend from 1972 through 1997, years in which data were collected by OVS, although the Montana rates were consistently higher in this period. In the years after 1997, when JCMS has been collecting marital termination data, the Montana and U.S. rates have displayed no consistent relationship.

Figure 51

MARITAL TERMINATION RATES
MONTANA AND THE UNITED STATES, 1973-2008*



* Montana data were collected by the Montana Office of Vital Statistics (OVS) through September 1998 and by the Judicial Case Management System (JCMS) thereafter. Data collected by JCMS are not comparable to those collected by OVS and should be used with caution. Data for the United States in 2007 are provisional.

Montana's frequency and rate of marital termination per 1,000 population is shown in **Table S-5**. During the last 20 years that OVS collected the data, this rate decreased from a high of 6.5 in 1979 to 4.6 in 1997. During the period of data collection by JCMS, the rate reached its maximum of 4.9 in 2007. As stated above, marital termination records collected after 1997—and rates calculated from those records—are not strictly comparable to those collected before that time.

2008

MONTANA

VITAL STATISTICS

REFERENCE TABLES

SYMBOLS USED IN THESE TABLES

QUANTITY IS ZERO . . . . . -

RATE OR PERCENT IS LESS THAN 0.05 . . . --

DATA ARE NOT AVAILABLE . . . . . ---

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TABLE S-1

FREQUENCY AND RATE OR RATIO OF DEATH, LIVE BIRTH, FETAL, INFANT, AND MATERNAL DEATH, MARRIAGES, MARITAL TERMINATIONS, AND ABORTIONS BY YEAR*
MONTANA, 1910-2008

YEAR	ESTIMATED MIDYEAR POPULATION	DEATHS		LIVE BIRTHS		FETAL DEATHS		INFANT DEATHS		MATERNAL DEATHS		MARRIAGES		MARITAL TERMINATIONS		ABORTIONS	
		NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATIO**	NUMBER	RATE**	NUMBER	RATE++	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATIO**
1910	376,053	3,999	10.6	6,124	16.3	-	-	714	116.6	62	12.4	-	-	-	-	-	-
1915	468,067	5,072	10.8	11,132	23.8	-	-	816	73.3	91	817.5	-	-	-	-	-	-
1920	548,339	5,289	9.6	11,862	21.6	-	-	862	72.7	104	876.7	-	-	-	-	-	-
1925	542,834	5,188	9.6	10,302	19.0	343	33.3	726	70.5	83	805.7	-	-	-	-	-	-
1930	537,606	5,435	10.1	10,004	18.6	286	28.6	569	56.9	67	669.7	-	-	-	-	-	-
1935	549,077	6,291	11.5	10,029	18.3	232	23.1	602	60.0	52	518.5	-	-	-	-	-	-
1940	559,456	5,722	10.2	11,468	20.5	216	18.8	527	46.0	39	340.1	-	-	-	-	-	-
1945	504,600	5,414	10.7	10,601	21.0	184	17.4	363	34.2	17	160.4	8,147	16.1	2,380	4.7	-	-
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	-	-
1955	636,000	6,115	9.6	17,454	27.4	221	12.7	433	24.8	5	28.6	6,514	10.2	1,793	2.8	-	-
1956	656,000	6,450	9.8	17,703	27.0	239	13.5	495	28.0	2	11.3	6,770	10.3	1,862	2.8	-	-
1957	667,000	6,486	9.7	18,219	27.3	224	12.3	462	25.4	5	27.4	6,495	9.7	1,886	2.8	-	-
1958	666,000	6,265	9.4	17,275	25.9	233	13.5	444	25.7	3	17.4	6,142	9.2	1,890	2.8	-	-
1959	669,000	6,570	9.8	17,646	26.4	223	12.6	431	24.4	3	17.0	6,228	9.3	1,931	2.9	-	-
1960	674,767	6,525	9.7	17,448	25.9	190	10.9	435	24.9	5	28.7	5,883	8.7	1,877	2.8	-	-
1961	682,000	6,338	9.3	17,368	25.5	194	11.2	441	25.4	2	11.5	5,636	8.3	1,922	2.8	-	-
1962	709,000	6,418	9.1	16,818	23.7	210	12.5	436	25.9	7	41.6	5,051	7.1	1,822	2.6	-	-
1963	707,000	6,609	9.3	15,934	22.5	194	12.2	383	24.0	2	12.6	4,854	6.9	1,782	2.5	-	-
1964	705,000	6,851	9.7	15,094	21.4	200	13.3	403	26.7	7	46.4	4,556	6.5	1,847	2.6	-	-
1965	706,000	6,578	9.3	13,641	19.3	177	13.0	338	24.8	2	14.7	4,688	6.6	1,831	2.6	-	-
1966	702,000	6,864	9.8	12,623	18.0	140	11.1	286	22.7	3	23.8	4,914	7.0	1,925	2.7	-	-
1967	701,000	6,549	9.3	12,087	17.2	141	11.7	290	24.0	3	24.8	5,563	7.9	2,146	3.1	-	-
1968	693,000	6,534	9.4	11,992	17.3	146	12.2	233	19.4	1	8.3	6,250	9.0	2,352	3.4	-	-
1969	694,000	6,694	9.6	11,762	16.9	132	11.2	246	20.9	1	8.5	6,444	9.3	2,531	3.6	-	-
1970	694,409	6,597	9.5	12,622	18.2	140	11.1	272	21.5	3	23.8	6,919	10.0	2,742	3.9	-	-
1971	710,000	6,860	9.7	12,347	17.4	127	10.3	267	21.6	-	-	7,128	10.0	3,005	4.2	-	-
1972	719,000	6,896	9.6	11,444	15.9	129	11.3	225	19.7	4	35.0	7,674	10.7	3,226	4.5	-	-
1973	721,000	6,870	9.5	11,392	15.8	105	9.2	222	19.5	-	-	7,751	10.8	3,395	4.7	-	-
1974	735,000	6,552	8.9	12,273	16.7	125	10.2	202	16.5	1	8.1	7,741	10.5	3,611	4.9	-	-
1975	748,000	6,539	8.7	12,070	16.1	112	9.3	187	15.5	3	24.9	7,331	9.8	3,936	5.3	1,535	129.9
1976	753,000	6,733	8.9	12,605	16.7	104	8.3	209	16.6	-	-	7,390	9.8	4,698	6.2	1,803	145.9
1977	761,000	6,397	8.4	13,304	17.5	119	8.9	183	13.8	1	7.5	7,547	9.9	4,692	6.2	2,539	194.5
1978	785,000	6,484	8.3	13,545	17.3	110	8.1	155	11.4	3	22.1	8,136	10.4	4,780	6.1	3,092	233.5
1979	786,000	6,471	8.2	14,057	17.9	116	8.3	151	10.7	4	28.5	8,195	10.4	4,989	6.3	3,447	249.8
1980	786,690	6,664	8.5	14,208	18.1	104	7.3	176	12.4	2	14.1	8,336	10.6	4,940	6.3	3,471	250.2
1981	793,000	6,709	8.5	14,309	18.0	85	5.9	153	10.7	-	-	8,209	10.4	5,004	6.3	3,838	274.2
1982	801,000	6,625	8.3	14,538	18.1	93	6.4	147	10.1	1	6.9	8,185	10.2	4,530	5.7	4,175	293.3
1983	817,000	6,699	8.2	14,054	17.2	91	6.5	126	9.0	4	28.5	8,092	9.9	4,561	5.6	4,061	295.6
1984	824,000	6,698	8.1	14,141	17.2	110	7.8	125	8.8	1	7.1	7,659	9.3	4,277	5.2	3,618	260.9
1985	826,000	6,725	8.1	13,497	16.3	96	7.1	139	10.3	-	-	7,178	8.7	4,200	5.1	3,291	249.0
1986	819,000	6,738	8.2	12,728	15.5	95	7.5	122	9.6	2	15.7	6,739	8.2	4,253	5.2	3,295	265.1
1987	809,000	6,597	8.2	12,239	15.1	96	7.8	121	9.9	-	-	6,540	8.1	4,057	5.0	3,175	266.3
1988	805,000	6,759	8.4	11,682	14.5	92	7.9	100	8.6	1	8.6	6,784	8.4	3,999	5.0	2,866	251.6
1989	805,600	6,735	8.4	11,667	14.5	86	7.4	133	11.4	-	-	6,765	8.4	4,059	5.0	3,245	283.9
1990	800,204	6,835	8.5	11,602	14.5	78	6.7	106	9.1	-	-	6,924	8.7	3,998	5.0	3,365	295.2
1991	809,680	6,995	8.6	11,498	14.2	90	7.8	82	7.1	1	8.7	6,984	8.6	4,443	5.5	3,226	285.6
1992	825,770	7,067	8.6	11,468	13.9	84	7.3	85	7.4	-	-	7,189	8.7	4,223	5.1	2,869	255.3
1993	844,761	7,457	8.8	11,362	13.4	74	6.5	84	7.4	-	-	7,041	8.3	4,311	5.1	2,645	236.6
1994	861,306	7,331	8.5	11,062	12.8	52	4.7	82	7.4	-	-	7,088	8.2	4,196	4.9	2,761	251.7
1995	876,553	7,614	8.7	11,136	12.7	67	6.0	79	7.1	-	-	6,818	7.8	4,214	4.8	2,674	242.0
1996	886,256	7,686	8.7	10,840	12.2	58	5.4	75	6.9	1	9.2	6,609	7.5	4,238	4.8	2,763	256.1
1997	889,867	7,730	8.7	10,840	12.2	49	4.5	74	6.8	-	-	6,708	7.5	4,058	4.6	2,809	261.8
1998	892,431	7,960	8.9	10,791	12.1	76	7.0	82	7.6	1	9.3	6,436	7.2	3,698	4.1	2,573	239.5
1999	897,511	8,082	9.0	10,779	12.0	62	5.8	71	6.6	-	-	6,785	7.6	3,318	3.7	2,499	232.5
2000	903,283	8,071	8.9	10,946	12.1	55	5.0	63	5.8	1	9.1	6,870	7.6	3,694	4.1	2,441	223.4
2001	905,854	8,252	9.1	10,947	12.1	43	3.9	73	6.7	2	18.3	6,611	7.3	3,735	4.1	2,350	214.9
2002	909,859	8,473	9.3	11,045	12.1	51	4.6	81	7.3	-	-	6,514	7.2	3,634	4.0	2,249	204.1
2003	916,754	8,441	9.2	11,384	12.4	55	4.8	76	6.7	2	17.6	6,640	7.2	3,255	3.6	2,213	193.8
2004	925,969	8,100	8.7	11,514	12.4	40	3.5	53	4.6	2	17.4	6,946	7.5	3,516	3.8	2,256	195.7
2005	934,888	8,497	9.1	11,573	12.4	54	4.7	81	7.0	1	8.6	6,964	7.4	3,983	4.3	2,155	186.5
2006	945,428	8,435	8.9	12,499	13.2	49	3.9	70	5.6	-	-	7,055	7.5	4,176	4.4	2,119	169.7
2007	956,624	8,570	9.0	12,437	13.0	38	3.1	76	6.1	2	16.1	7,263	7.6	4,720	4.9	2,238	180.5
2008	967,440	8,897	9.2	12,595	13.0	39	3.1	87	6.9	1	7.9	7,467	7.7	4,042	4.2	2,125	169.3

*DATA FOR 1910-1945 ARE BY PLACE OF OCCURRENCE. BEGINNING IN 1946, DEATH, LIVE BIRTH, FETAL, INFANT, AND MATERNAL DEATH TABULATIONS ARE BY PLACE OF RESIDENCE. MARRIAGES, MARITAL TERMINATIONS, AND ABORTION TABULATIONS REMAIN BY PLACE OF OCCURRENCE.
+ PER 1,000 ESTIMATED MIDYEAR POPULATION.
** PER 1,000 LIVE BIRTHS
++ PER 100,000 LIVE BIRTHS
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 COMPARABLE TO THOSE COLLECTED BY OVS AND SHOULD BE USED WITH CAUTION.

TABLE S-2

FREQUENCY OF DEATH, LIVE BIRTH, AND FETAL, INFANT, AND MATERNAL DEATH
BY COUNTY OF OCCURRENCE AND COUNTY OF RESIDENCE
MONTANA, 2008

COUNTY	Deaths		Live Births		Fetal Deaths		Infant Deaths		Maternal Deaths	
	OCC.	RES.	OCC.	RES.	OCC.	RES.	OCC.	RES.	OCC.	RES.
MONTANA TOTAL	8,912	8,897	12,551	12,595	40	39	78	87	1	1
BEAVERHEAD	76	70	84	89	-	-	1	1	-	-
BIG HORN	87	133	209	282	-	-	1	3	-	-
BLAINE	46	76	2	104	-	1	-	3	-	-
BROADWATER	47	61	1	55	-	-	-	-	-	-
CARBON	69	90	1	75	-	-	-	-	-	-
CARTER	15	15	-	4	-	-	-	-	-	-
CASCADE	840	744	1,492	1,190	8	3	15	7	-	-
CHOUTEAU	41	51	2	41	-	-	-	-	-	-
CUSTER	132	129	287	151	-	-	-	-	-	-
DANIELS	16	23	1	15	-	-	-	-	-	-
DAWSON	121	117	86	93	-	-	1	1	-	-
DEER LODGE	100	124	42	79	1	3	-	1	-	-
FALLON	35	37	-	39	-	-	-	-	-	-
FERGUS	156	156	107	108	-	1	-	-	-	-
FLATHEAD	748	715	1,269	1,198	5	5	5	7	-	-
GALLATIN	434	447	1,261	1,256	4	4	5	11	-	-
GARFIELD	8	13	-	22	-	-	-	1	-	-
GLACIER	96	114	253	306	-	1	-	1	-	-
GOLDEN VALLEY	5	8	-	6	-	-	-	-	-	-
GRANITE	24	23	2	16	-	1	-	-	-	-
HILL	132	137	421	323	1	1	4	3	-	-
JEFFERSON	68	90	1	89	-	-	-	1	-	-
JUDITH BASIN	3	15	1	21	-	-	-	-	-	-
LAKE	219	264	321	417	1	1	1	1	-	-
LEWIS & CLARK	572	558	875	808	-	1	3	5	-	-
LIBERTY	18	19	1	19	-	-	-	-	-	-
LINCOLN	188	221	115	181	-	-	1	1	-	-
MCCONE	22	22	-	17	-	-	-	-	-	-
MADISON	73	90	4	62	-	-	-	-	-	-
MEAGHER	21	28	-	18	-	-	-	-	-	-
MINERAL	53	56	1	56	-	-	-	-	-	-
MISSOULA	936	748	1,780	1,280	6	2	11	7	1	-
MUSSELSHELL	51	60	2	47	-	-	-	-	-	-
PARK	135	161	170	181	2	2	1	1	-	-
PETROLEUM	2	6	-	1	-	-	-	-	-	-
PHILLIPS	49	57	-	39	-	-	-	-	-	-
PONDERA	31	46	27	65	-	-	-	1	-	-
POWDER RIVER	14	19	-	8	-	-	-	-	-	-
POWELL	68	79	8	47	1	1	-	-	-	-
PRAIRIE	11	14	-	9	-	-	-	-	-	-
RAVALLI	349	416	182	406	1	2	2	3	-	1
RICHLAND	92	112	116	131	1	-	-	4	-	-
ROOSEVELT	97	121	76	209	1	3	2	4	-	-
ROSEBUD	57	81	9	169	-	-	1	1	-	-
SANDERS	101	138	56	118	-	-	-	-	-	-
SHERIDAN	49	59	5	22	-	-	-	-	-	-
SILVER BOW	412	410	473	379	1	1	2	2	-	-
STILLWATER	67	87	1	103	-	1	-	-	-	-
SWEET GRASS	33	36	1	39	-	-	-	-	-	-
TETON	42	62	-	56	-	1	-	-	-	-
TOOLE	43	46	33	42	-	-	-	-	-	-
TREASURE	2	5	-	5	-	-	-	-	-	-
VALLEY	75	87	152	71	1	-	-	1	-	-
WHEATLAND	19	24	-	19	-	-	-	-	-	-
WIBAUX	20	27	-	5	-	-	-	-	-	-
YELLOWSTONE	1,692	1,348	2,621	2,001	6	4	22	16	-	-
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-
~NOT STATED	-	2	-	3	-	-	-	-	-	-

TABLE S-3

FREQUENCY OF DEATH, LIVE BIRTH, AND FETAL DEATH BY RACE* AND COUNTY OF RESIDENCE
MONTANA, 2008

COUNTY	Deaths				Births				Fetal Deaths			
	TOTAL	WHITE	**AI/AN	OTHER	TOTAL	WHITE	**AI/AN	OTHER	TOTAL	WHITE	**AI/AN	OTHER
MONTANA TOTAL	8,897	8,378	473	46	12,595	10,501	1,507	587	39	29	8	2
BEAVERHEAD	70	67	3	-	89	83	2	4	-	-	-	-
BIG HORN	133	55	77	1	282	37	230	15	-	-	-	-
BLAINE	76	48	28	-	104	44	59	1	1	-	1	-
BROADWATER	61	60	1	-	55	51	1	3	-	-	-	-
CARBON	90	89	-	1	75	72	-	3	-	-	-	-
CARTER	15	15	-	-	4	4	-	-	-	-	-	-
CASCADE	744	714	21	9	1,190	1,004	83	103	3	2	-	1
CHOUTEAU	51	46	5	-	41	39	1	1	-	-	-	-
CUSTER	129	126	1	2	151	146	3	2	-	-	-	-
DANIELS	23	23	-	-	15	15	-	-	-	-	-	-
DAWSON	117	113	3	1	93	89	2	2	-	-	-	-
DEER LODGE	124	122	2	-	79	75	2	2	3	3	-	-
FALLON	37	37	-	-	39	39	-	-	-	-	-	-
FERGUS	156	155	1	-	108	105	1	2	1	1	-	-
FLATHEAD	715	704	7	4	1,198	1,141	17	40	5	5	-	-
GALLATIN	447	441	4	2	1,256	1,184	13	59	4	4	-	-
GARFIELD	13	13	-	-	22	21	-	1	-	-	-	-
GLACIER	114	46	68	-	306	64	236	6	1	-	1	-
GOLDEN VALLEY	8	8	-	-	6	6	-	-	-	-	-	-
GRANITE	23	23	-	-	16	13	1	2	1	1	-	-
HILL	137	112	24	1	323	172	139	12	1	-	1	-
JEFFERSON	90	87	2	1	89	84	1	4	-	-	-	-
JUDITH BASIN	15	15	-	-	21	20	1	-	-	-	-	-
LAKE	264	221	43	-	417	229	148	40	1	-	1	-
LEWIS & CLARK	558	543	10	5	808	738	27	43	1	1	-	-
LIBERTY	19	19	-	-	19	19	-	-	-	-	-	-
LINCOLN	221	219	2	-	181	175	2	4	-	-	-	-
MCCONE	22	22	-	-	17	17	-	-	-	-	-	-
MADISON	90	88	1	1	62	59	2	1	-	-	-	-
MEAGHER	28	27	1	-	18	17	-	1	-	-	-	-
MINERAL	56	55	1	-	56	54	1	1	-	-	-	-
MISSOULA	748	735	8	5	1,280	1,163	55	62	2	1	-	1
MUSSELSHELL	60	60	-	-	47	45	1	1	-	-	-	-
PARK	161	159	2	-	181	171	1	9	2	2	-	-
PETROLEUM	6	5	-	1	1	1	-	-	-	-	-	-
PHILLIPS	57	54	3	-	39	35	4	-	-	-	-	-
PONDERA	46	41	5	-	65	46	14	5	-	-	-	-
POWDER RIVER	19	19	-	-	8	8	-	-	-	-	-	-
POWELL	79	78	1	-	47	46	-	1	1	1	-	-
PRAIRIE	14	14	-	-	9	8	-	1	-	-	-	-
RAVALLI	416	412	4	-	406	395	3	8	2	2	-	-
RICHLAND	112	110	2	-	131	118	8	5	-	-	-	-
ROOSEVELT	121	64	57	-	209	41	159	9	3	-	3	-
ROSEBUD	81	53	28	-	169	64	99	6	-	-	-	-
SANDERS	138	133	4	1	118	103	10	5	-	-	-	-
SHERIDAN	59	58	1	-	22	21	1	-	-	-	-	-
SILVER BOW	410	398	12	-	379	350	4	25	1	1	-	-
STILLWATER	87	86	-	1	103	101	1	1	1	1	-	-
SWEET GRASS	36	36	-	-	39	37	-	2	-	-	-	-
TETON	62	60	2	-	56	54	-	2	1	1	-	-
TOOLE	46	44	2	-	42	36	1	5	-	-	-	-
TREASURE	5	5	-	-	5	5	-	-	-	-	-	-
VALLEY	87	81	6	-	71	55	10	6	-	-	-	-
WHEATLAND	24	23	1	-	19	18	-	1	-	-	-	-
WIBAUX	27	27	-	-	5	5	-	-	-	-	-	-
YELLOWSTONE	1,348	1,308	30	10	2,001	1,756	164	81	4	3	1	-
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-	-	-
~NOT STATED	2	2	-	-	3	3	-	-	-	-	-	-

* ANY RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED. LIVE BIRTHS AND FETAL DEATHS ARE SHOWN BY RACE OF THE MOTHER.
** AMERICAN INDIAN OR ALASKA NATIVE

TABLE S-4

FREQUENCY OF FETAL, INFANT, AND CHILD* DEATH BY RACE
AND COUNTY OF RESIDENCE
MONTANA, 2008

COUNTY	Fetal Deaths				Infant Deaths				Child Deaths			
	TOTAL	WHITE	**AI/AN	OTHER	TOTAL	WHITE	**AI/AN	OTHER	TOTAL	WHITE	**AI/AN	OTHER
MONTANA TOTAL	39	29	8	2	87	72	15	-	59	49	8	2
BEAVERHEAD	-	-	-	-	1	1	-	-	-	-	-	-
BIG HORN	-	-	-	-	3	-	3	-	2	2	-	-
BLAINE	1	-	1	-	3	2	1	-	2	-	2	-
BROADWATER	-	-	-	-	-	-	-	-	-	-	-	-
CARBON	-	-	-	-	-	-	-	-	-	-	-	-
CARTER	-	-	-	-	-	-	-	-	-	-	-	-
CASCADE	3	2	-	1	7	7	-	-	2	2	-	-
CHOUTEAU	-	-	-	-	-	-	-	-	-	-	-	-
CUSTER	-	-	-	-	-	-	-	-	3	3	-	-
DANIELS	-	-	-	-	-	-	-	-	-	-	-	-
DAWSON	-	-	-	-	1	1	-	-	2	1	1	-
DEER LODGE	3	3	-	-	1	-	1	-	-	-	-	-
FALLON	-	-	-	-	-	-	-	-	-	-	-	-
FERGUS	1	1	-	-	-	-	-	-	4	4	-	-
FLATHEAD	5	5	-	-	7	7	-	-	7	7	-	-
GALLATIN	4	4	-	-	11	11	-	-	2	2	-	-
GARFIELD	-	-	-	-	1	1	-	-	-	-	-	-
GLACIER	1	-	1	-	1	-	1	-	3	-	3	-
GOLDEN VALLEY	-	-	-	-	-	-	-	-	-	-	-	-
GRANITE	1	1	-	-	-	-	-	-	-	-	-	-
HILL	1	-	1	-	3	1	2	-	-	-	-	-
JEFFERSON	-	-	-	-	1	1	-	-	-	-	-	-
JUDITH BASIN	-	-	-	-	-	-	-	-	-	-	-	-
LAKE	1	-	1	-	1	1	-	-	-	-	-	-
LEWIS & CLARK	1	1	-	-	5	5	-	-	6	5	-	1
LIBERTY	-	-	-	-	-	-	-	-	-	-	-	-
LINCOLN	-	-	-	-	1	1	-	-	1	1	-	-
MCCONE	-	-	-	-	-	-	-	-	-	-	-	-
MADISON	-	-	-	-	-	-	-	-	-	-	-	-
MEAGHER	-	-	-	-	-	-	-	-	-	-	-	-
MINERAL	-	-	-	-	-	-	-	-	-	-	-	-
MISSOULA	2	1	-	1	7	7	-	-	8	8	-	-
MUSSELSHELL	-	-	-	-	-	-	-	-	-	-	-	-
PARK	2	2	-	-	1	1	-	-	-	-	-	-
PETROLEUM	-	-	-	-	-	-	-	-	-	-	-	-
PHILLIPS	-	-	-	-	-	-	-	-	-	-	-	-
PONDERA	-	-	-	-	1	1	-	-	-	-	-	-
POWDER RIVER	-	-	-	-	-	-	-	-	-	-	-	-
POWELL	1	1	-	-	-	-	-	-	-	-	-	-
PRAIRIE	-	-	-	-	-	-	-	-	-	-	-	-
RAVALLI	2	2	-	-	3	3	-	-	-	-	-	-
RICHLAND	-	-	-	-	4	4	-	-	3	3	-	-
ROOSEVELT	3	-	3	-	4	1	3	-	1	-	1	-
ROSEBUD	-	-	-	-	1	-	1	-	1	-	1	-
SANDERS	-	-	-	-	-	-	-	-	1	1	-	-
SHERIDAN	-	-	-	-	-	-	-	-	-	-	-	-
SILVER BOW	1	1	-	-	2	1	1	-	2	2	-	-
STILLWATER	1	1	-	-	-	-	-	-	1	1	-	-
SWEET GRASS	-	-	-	-	-	-	-	-	-	-	-	-
TETON	1	1	-	-	-	-	-	-	1	1	-	-
TOOLE	-	-	-	-	-	-	-	-	-	-	-	-
TREASURE	-	-	-	-	-	-	-	-	-	-	-	-
VALLEY	-	-	-	-	1	1	-	-	-	-	-	-
WHEATLAND	-	-	-	-	-	-	-	-	-	-	-	-
WIBAUX	-	-	-	-	-	-	-	-	-	-	-	-
YELLOWSTONE	4	3	1	-	16	14	2	-	7	6	-	1
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-	-	-
~NOT STATED	-	-	-	-	-	-	-	-	-	-	-	-

*AGED 1-17 YEARS
** AMERICAN INDIAN OR ALASKA NATIVE

TABLE S-5

SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2008

ITEM		MONTANA		BEAVERHEAD		BIG HORN		BLAINE		BROADWATER		CARBON		CARTER		CASCADE		CHOUTEAU		CUSTER	
		NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
Population	Population	967,440	-	8,903	-	12,841	-	6,491	-	4,704	-	9,657	-	1,234	-	82,026	-	5,225	-	11,149	-
Natural Increase	Natural Increase	3,698	3.8	19	2.1	149	11.6	28	4.3	-6	1.3	-15	1.6	-11	8.9	446	5.4	-10	1.9	22	2.0
Births - Residence	Live Births, Total	12,595	13.0	89	10.0	282	22.0	104	16.0	55	11.7	75	7.8	4	3.2	1,190	14.5	41	7.8	151	13.5
	Live Births, Male	6,463	13.3	38	8.3	141	22.2	47	14.7	25	10.4	39	8.0	2	3.3	625	15.4	23	8.8	79	14.4
	Live Births, Female	6,132	12.7	51	11.8	141	21.7	57	17.3	30	13.0	36	7.5	2	3.2	565	13.7	18	6.9	72	12.7
	Live Births, Out Of Wedlock	4,598	365.1	25	280.9	174	617.0	58	557.7	17	309.1	18	240.0	-	-	384	322.7	10	243.9	61	404.0
Deaths - Residence	Deaths (Excluding Fetal), Total	8,897	9.2	70	7.9	133	10.4	76	11.7	61	13.0	90	9.3	15	12.2	744	9.1	51	9.8	129	11.6
	Deaths (Excluding Fetal), Male	4,523	9.3	38	8.3	75	11.8	47	14.7	35	14.6	50	10.2	6	9.9	368	9.1	32	12.2	67	12.2
	Deaths (Excluding Fetal), Female	4,374	9.1	32	7.4	58	8.9	29	8.8	26	11.3	40	8.4	9	14.3	376	9.1	19	7.3	62	10.9
Infant Mortality & Fetal Death - Residence	Infant Deaths (Under 1 Year)	87	6.9	1	11.2	3	10.6	3	28.8	-	-	-	-	-	-	7	5.9	-	-	-	-
	Neonatal (Under 28 Days)	48	3.8	1	11.2	2	7.1	1	9.6	-	-	-	-	-	-	3	2.5	-	-	-	-
	Postneonatal (28 Days - 1 Year)	39	3.1	-	-	1	3.5	2	19.2	-	-	-	-	-	-	4	3.4	-	-	-	-
	Fetal	39	3.1	-	-	-	-	1	9.6	-	-	-	-	-	-	3	2.5	-	-	-	-
	Perinatal	87	6.9	1	11.2	2	7.1	2	19.2	-	-	-	-	-	-	6	5.0	-	-	-	-
Leading Causes of Death - Residence	_ # Diseases of heart	1,975	204.1	15	168.5	24	186.9	12	184.9	13	276.4	17	176.0	6	486.2	154	187.7	13	248.8	34	305.0
	(#) Malignant neoplasms	1,854	191.6	16	179.7	19	148.0	12	184.9	12	255.1	19	196.7	1	81.0	164	199.9	13	248.8	29	260.1
	(#) Chronic lower respiratory	688	71.1	2	22.5	4	31.2	8	123.2	3	63.8	4	41.4	2	162.1	55	67.1	2	38.3	7	62.8
	(#) Accidents (unintentional injuries)	590	61.0	6	67.4	12	93.5	7	107.8	3	63.8	5	51.8	2	162.1	40	48.8	4	76.6	10	89.7
	__(61#) Cerebrovascular diseases	454	46.9	4	44.9	5	38.9	5	77.0	4	85.0	7	72.5	1	81.0	51	62.2	1	19.1	8	71.8
	__(48#) Alzheimer's disease	293	30.3	1	11.2	1	7.8	3	46.2	3	63.8	2	20.7	-	-	51	62.2	1	19.1	5	44.8
	__(43#) Diabetes mellitus	254	26.3	1	11.2	6	46.7	3	46.2	4	85.0	1	10.4	1	81.0	22	26.8	5	95.7	4	35.9
	(#) Intentional self-harm (suicide)	202	20.9	2	22.5	2	15.6	3	46.2	1	21.3	3	31.1	-	-	14	17.1	3	57.4	2	17.9
	(#) Influenza and pneumonia	170	17.6	1	11.2	4	31.2	2	30.8	-	-	1	10.4	-	-	13	15.8	-	-	2	17.9
	(#) Nephritis, nephrotic syndrome and	153	15.8	1	11.2	3	23.4	3	46.2	1	21.3	1	10.4	2	162.1	8	9.8	1	19.1	1	9.0
Abortion - Residence	Abortions	1,916	152.1	13	146.1	16	56.7	8	76.9	5	90.9	12	160.0	1	250.0	145	121.8	1	24.4	17	112.6
Births - Occurrence	Live Births, Total	12,551	13.0	84	9.4	209	16.3	2	0.3	1	0.2	1	0.1	-	-	1,492	18.2	2	0.4	287	25.7
Deaths - Occurrence	Deaths (Excluding Fetal), Total	8,912	9.2	76	8.5	87	6.8	46	7.1	47	10.0	69	7.1	15	12.2	840	10.2	41	7.8	132	11.8
	Accidental	623	64.4	13	146.0	17	132.4	3	46.2	6	127.6	5	51.8	5	405.2	45	54.9	6	114.8	9	80.7
	Motor Vehicle	245	25.3	9	101.1	11	85.7	2	30.8	3	63.8	2	20.7	4	324.1	11	13.4	2	38.3	3	26.9
	Other Accidental	378	39.1	4	44.9	6	46.7	1	15.4	3	63.8	3	31.1	1	81.0	34	41.5	4	76.6	6	53.8
Infant Death - Occurrence	Infant Deaths (Under 1 Year)	78	6.2	1	11.9	1	4.8	-	-	-	-	-	-	-	-	15	10.1	-	-	-	-
Marriages - Occurrence	Marriages Solumnized	7,467	7.7	54	6.1	87	6.8	29	4.5	58	12.3	194	20.1	14	11.3	639	7.8	34	6.5	90	8.1
	Licenses Issued	7,467	7.7	60	6.7	85	6.6	30	4.6	43	9.1	120	12.4	10	8.1	676	8.2	23	4.4	87	7.8
Marital Terminations - Occurrence	Marital Terminations	4,042	4.2	28	3.1	33	2.6	8	1.2	17	3.6	33	3.4	3	2.4	113	1.4	10	1.9	49	4.4
Abortion - Occurrence	Abortions	2,125	169.3	-	-	-	-	-	-	-	-	-	-	-	-	100	67.0	-	-	-	-

* OUT OF WEDLOCK BIRTHS, INFANT DEATHS, FETAL DEATHS, AND ABORTIONS ARE PER 1,000 LIVE BIRTHS.** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE PER 100,000 ESTIMATED POPULATION.*** NATURAL INCREASE, LIVE BIRTHS, DEATHS, MARRIAGES, AND MARTIAL TERMINATIONS ARE PER 1,000 POPULATION.
- QUANTITY IS ZERO.
SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-10) CODES INCLUDED IN EACH CATEGORY.
LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES IN THE TABLE AT
http://www.dphhs.mt.gov/statisticalinformation/vitalstats/appendix/113causes.pdf. THOSE MARKED WITH A "#" SIGN ARE RANKABLE AS LEADING CAUSES.
ABORTION DATA ARE LIMITED TO INDUCED ABORTIONS OCCURRING IN MONTANA.

TABLE S-5

SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2008

ITEM		DANIELS		DAWSON		DEER LODGE		FALLON		FERGUS		FLATHEAD		GALLATIN		GARFIELD		GLACIER		GOLDEN VALLEY	
		NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
Population	Population	1,643	-	8,490	-	8,843	-	2,716	-	11,195	-	88,473	-	89,824	-	1,184	-	13,297	-	1,081	-
Natural Increase	Natural Increase	-8	4.9	-24	2.8	-45	5.1	2	0.7	-48	4.3	483	5.5	809	9.0	9	7.6	192	14.4	-2	1.9
Births - Residence	Live Births, Total	15	9.1	93	11.0	79	8.9	39	14.4	108	9.6	1,198	13.5	1,256	14.0	22	18.6	306	23.0	6	5.6
	Live Births, Male	9	11.0	42	9.9	32	7.1	17	12.6	55	10.0	605	13.7	652	14.0	12	19.3	154	23.6	3	5.5
	Live Births, Female	6	7.2	51	12.0	47	10.8	22	16.0	53	9.3	593	13.4	604	14.0	10	17.8	152	22.5	3	5.6
	Live Births, Out Of Wedlock	2	133.3	30	322.6	45	569.6	14	359.0	23	213.0	367	306.3	273	217.4	3	136.4	224	732.0	-	-
Deaths - Residence	Deaths (Excluding Fetal), Total	23	14.0	117	13.8	124	14.0	37	13.6	156	13.9	715	8.1	447	5.0	13	11.0	114	8.6	8	7.4
	Deaths (Excluding Fetal), Male	8	9.8	65	15.4	77	17.1	15	11.2	76	13.8	374	8.5	215	4.6	5	8.0	68	10.4	3	5.5
	Deaths (Excluding Fetal), Female	15	18.1	52	12.2	47	10.8	22	16.0	80	14.0	341	7.7	232	5.4	8	14.3	46	6.8	5	9.4
Infant Mortality & Fetal Death - Residence	Infant Deaths (Under 1 Year)	-	-	1	10.8	1	12.7	-	-	-	-	7	5.8	11	8.8	1	45.5	1	3.3	-	-
	Neonatal (Under 28 Days)	-	-	1	10.8	1	12.7	-	-	-	-	5	4.2	6	4.8	-	-	1	3.3	-	-
	Postneonatal (28 Days - 1 Year)	-	-	-	-	-	-	-	-	-	-	2	1.7	5	4.0	1	45.5	-	-	-	-
	Fetal	-	-	-	-	3	38.0	-	-	1	9.3	5	4.2	4	3.2	-	-	1	3.3	-	-
	Perinatal	-	-	1	10.8	4	50.6	-	-	1	9.3	10	8.3	10	8.0	-	-	2	6.5	-	-
Leading Causes of Death - Residence	_ # Diseases of heart	6	365.2	21	247.3	32	361.9	9	331.4	35	312.6	164	185.4	94	104.6	3	253.4	32	240.7	1	92.5
	(#) Malignant neoplasms	5	304.3	23	270.9	22	248.8	9	331.4	27	241.2	146	165.0	91	101.3	3	253.4	15	112.8	2	185.0
	(#) Chronic lower respiratory	2	121.7	11	129.6	21	237.5	4	147.3	15	134.0	59	66.7	23	25.6	1	84.5	6	45.1	1	92.5
	(#) Accidents (unintentional injuries)	-	-	7	82.4	9	101.8	3	110.5	11	98.3	49	55.4	28	31.2	-	-	14	105.3	1	92.5
	__(61#) Cerebrovascular diseases	1	60.9	5	58.9	3	33.9	1	36.8	6	53.6	48	54.3	27	30.1	2	168.9	3	22.6	-	-
	__(48#) Alzheimer's disease	1	60.9	4	47.1	-	-	1	36.8	7	62.5	20	22.6	13	14.5	-	-	3	22.6	-	-
	__(43#) Diabetes mellitus	1	60.9	3	35.3	8	90.5	1	36.8	2	17.9	17	19.2	11	12.2	2	168.9	1	7.5	1	92.5
	(#) Intentional self-harm (suicide)	1	60.9	2	23.6	3	33.9	-	-	5	44.7	15	17.0	10	11.1	-	-	2	15.0	-	-
	(#) Influenza and pneumonia	-	-	1	11.8	4	45.2	-	-	5	44.7	10	11.3	11	12.2	-	-	3	22.6	-	-
	(#) Nephritis, nephrotic syndrome and	1	60.9	3	35.3	-	-	-	-	1	8.9	9	10.2	15	16.7	1	84.5	-	-	-	-
Abortion - Residence	Abortions	-	-	12	129.0	13	164.6	1	25.6	11	101.9	222	185.3	210	167.2	-	-	31	101.3	1	166.7
Births - Occurrence	Live Births, Total	1	0.6	86	10.1	42	4.7	-	-	107	9.6	1,269	14.3	1,261	14.0	-	-	253	19.0	-	-
Deaths - Occurrence	Deaths (Excluding Fetal), Total	16	9.7	121	14.3	100	11.3	35	12.9	156	13.9	748	8.5	434	4.8	8	6.8	96	7.2	5	4.6
	Accidental	-	-	5	58.9	7	79.2	1	36.8	8	71.5	62	70.1	26	28.9	-	-	14	105.3	2	185.0
	Motor Vehicle	-	-	1	11.8	1	11.3	-	-	6	53.6	31	35.0	12	13.4	-	-	7	52.6	-	-
	Other Accidental	-	-	4	47.1	6	67.9	1	36.8	2	17.9	31	35.0	14	15.6	-	-	7	52.6	2	185.0
Infant Death - Occurrence	Infant Deaths (Under 1 Year)	-	-	1	11.6	-	-	-	-	-	-	5	3.9	5	4.0	-	-	-	-	-	-
Marriages - Occurrence	Marriages Solumnized	12	7.3	58	6.8	67	7.6	23	8.5	68	6.1	1,141	12.9	890	9.9	3	2.5	92	6.9	4	3.7
	Licenses Issued	13	7.9	56	6.6	49	5.5	22	8.1	63	5.6	1,158	13.1	978	10.9	3	2.5	78	5.9	4	3.7
Marital Terminations - Occurrence	Marital Terminations	4	2.4	39	4.6	51	5.8	11	4.1	58	5.2	438	5.0	326	3.6	2	1.7	45	3.4	1	0.9
Abortion - Occurrence	Abortions	-	-	-	-	-	-	-	-	-	-	272	214.3	-	-	-	-	-	-	-	-

* OUT OF WEDLOCK BIRTHS, INFANT DEATHS, FETAL DEATHS, AND ABORTIONS ARE PER 1,000 LIVE BIRTHS.** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE PER 100,000 ESTIMATED POPULATION.*** NATURAL INCREASE, LIVE BIRTHS, DEATHS, MARRIAGES, AND MARTIAL TERMINATIONS ARE PER 1,000 POPULATION.
- QUANTITY IS ZERO.
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ABORTION DATA ARE LIMITED TO INDUCED ABORTIONS OCCURRING IN MONTANA.

TABLE S-5

SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2008

ITEM		GRANITE		HILL		JEFFERSON		JUDITH BASIN		LAKE		LEWIS & CLARK		LIBERTY		LINCOLN		MCCONE		MADISON	
		NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
Population	Population	2,821	-	16,454	-	11,255	-	2,014	-	28,690	-	60,925	-	1,725	-	18,971	-	1,676	-	7,509	-
Natural Increase	Natural Increase	-7	2.5	186	11.3	-1	0.1	6	3.0	153	5.3	250	4.1	0	0.0	-40	2.1	-5	3.0	-28	3.7
Births - Residence	Live Births, Total	16	5.7	323	19.6	89	7.9	21	10.4	417	14.5	808	13.3	19	11.0	181	9.5	17	10.1	62	8.3
	Live Births, Male	10	7.0	172	20.7	52	9.2	11	10.5	221	15.7	402	13.4	8	9.4	84	8.8	4	4.7	25	6.5
	Live Births, Female	6	4.3	151	18.5	37	6.6	10	10.3	196	13.4	406	13.1	11	12.5	97	10.3	13	15.7	37	10.0
	Live Births, Out Of Wedlock	3	187.5	170	526.3	18	202.2	6	285.7	225	539.6	282	349.0	3	157.9	70	386.7	4	235.3	9	145.2
Deaths - Residence	Deaths (Excluding Fetal), Total	23	8.2	137	8.3	90	8.0	15	7.4	264	9.2	558	9.2	19	11.0	221	11.6	22	13.1	90	12.0
	Deaths (Excluding Fetal), Male	12	8.4	67	8.1	57	10.1	11	10.5	144	10.2	280	9.3	9	10.6	118	12.3	13	15.3	47	12.3
	Deaths (Excluding Fetal), Female	11	7.9	70	8.6	33	5.9	4	4.1	120	8.2	278	9.0	10	11.4	103	10.9	9	10.9	43	11.7
Infant Mortality & Fetal Death - Residence	Infant Deaths (Under 1 Year)	-	-	3	9.3	1	11.2	-	-	1	2.4	5	6.2	-	-	1	5.5	-	-	-	-
	Neonatal (Under 28 Days)	-	-	1	3.1	1	11.2	-	-	1	2.4	2	2.5	-	-	-	-	-	-	-	-
	Postneonatal (28 Days - 1 Year)	-	-	2	6.2	-	-	-	-	-	-	3	3.7	-	-	1	5.5	-	-	-	-
	Fetal	1	62.5	1	3.1	-	-	-	-	1	2.4	1	1.2	-	-	-	-	-	-	-	-
	Perinatal	1	62.5	2	6.2	1	11.2	-	-	2	4.8	3	3.7	-	-	-	-	-	-	-	-
Leading Causes of Death - Residence	_ # Diseases of heart	9	319.0	30	182.3	18	159.9	3	149.0	56	195.2	121	198.6	7	405.8	51	268.8	5	298.3	22	293.0
	(#) Malignant neoplasms	6	212.7	32	194.5	26	231.0	4	198.6	61	212.6	116	190.4	4	231.9	44	231.9	7	417.7	18	239.7
	(#) Chronic lower respiratory	2	70.9	5	30.4	4	35.5	1	49.7	15	52.3	51	83.7	2	115.9	17	89.6	1	59.7	8	106.5
	(#) Accidents (unintentional injuries)	3	106.3	7	42.5	4	35.5	-	-	24	83.7	48	78.8	1	58.0	17	89.6	-	-	6	79.9
	__(61#) Cerebrovascular diseases	-	-	4	24.3	7	62.2	1	49.7	17	59.3	20	32.8	-	-	16	84.3	-	-	4	53.3
	__(48#) Alzheimer's disease	-	-	3	18.2	3	26.7	1	49.7	8	27.9	12	19.7	-	-	4	21.1	-	-	-	-
	__(43#) Diabetes mellitus	-	-	4	24.3	5	44.4	1	49.7	6	20.9	15	24.6	-	-	7	36.9	1	59.7	2	26.6
	(#) Intentional self-harm (suicide)	1	35.4	3	18.2	1	8.9	-	-	11	38.3	11	18.1	-	-	3	15.8	-	-	1	13.3
	(#) Influenza and pneumonia	-	-	6	36.5	-	-	-	-	7	24.4	12	19.7	-	-	3	15.8	-	-	-	-
	(#) Nephritis, nephrotic syndrome and	-	-	7	42.5	-	-	-	-	5	17.4	4	6.6	-	-	2	10.5	1	59.7	3	40.0
Abortion - Residence	Abortions	2	125.0	19	58.8	14	157.3	-	-	61	146.3	133	164.6	-	-	18	99.4	-	-	7	112.9
Births - Occurrence	Live Births, Total	2	0.7	421	25.6	1	0.1	1	0.5	321	11.2	875	14.4	1	0.6	115	6.1	-	-	4	0.5
Deaths - Occurrence	Deaths (Excluding Fetal), Total	24	8.5	132	8.0	68	6.0	3	1.5	219	7.6	572	9.4	18	10.4	188	9.9	22	13.1	73	9.7
	Accidental	4	141.8	7	42.5	5	44.4	-	-	19	66.2	43	70.6	-	-	12	63.3	2	119.3	11	146.5
	Motor Vehicle	2	70.9	3	18.2	4	35.5	-	-	2	7.0	12	19.7	-	-	-	-	2	119.3	7	93.2
	Other Accidental	2	70.9	4	24.3	1	8.9	-	-	17	59.3	31	50.9	-	-	12	63.3	0	0.0	4	53.3
Infant Death - Occurrence	Infant Deaths (Under 1 Year)	-	-	4	9.5	-	-	-	-	1	3.1	3	3.4	-	-	1	8.7	-	-	-	-
Marriages - Occurrence	Marriages Solumnized	19	6.7	93	5.7	64	5.7	11	5.5	217	7.6	391	6.4	6	3.5	135	7.1	7	4.2	80	10.7
	Licenses Issued	19	6.7	97	5.9	25	2.2	12	6.0	146	5.1	475	7.8	6	3.5	96	5.1	4	2.4	53	7.1
Marital Terminations - Occurrence	Marital Terminations	5	1.8	55	3.3	24	2.1	3	1.5	96	3.3	322	5.3	2	1.2	88	4.6	2	1.2	36	4.8
Abortion - Occurrence	Abortions	-	-	-	-	-	-	-	-	-	-	235	268.6	-	-	-	-	-	-	-	-

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TABLE S-5

SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2008

ITEM		MEAGHER		MINERAL		MISSOULA		MUSSELSHELL		PARK		PETROLEUM		PHILLIPS		PONDERA		POWDER RIVER		POWELL	
		NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
Population	Population	1,868	-	3,862	-	107,320	-	4,498	-	16,189	-	436	-	3,904	-	5,852	-	1,694	-	7,041	-
Natural Increase	Natural Increase	-10	5.4	0	0.0	532	5.0	-13	2.9	20	1.2	-5	11.5	-18	4.6	19	3.2	-11	6.5	-32	4.5
Births - Residence	Live Births, Total	18	9.6	56	14.5	1,280	11.9	47	10.4	181	11.2	1	2.3	39	10.0	65	11.1	8	4.7	47	6.7
	Live Births, Male	7	7.5	28	14.3	660	12.2	24	11.0	99	12.2	1	4.5	21	10.7	38	13.2	5	6.0	25	5.8
	Live Births, Female	11	11.8	28	14.7	620	11.6	23	9.9	82	10.1	-	-	18	9.3	27	9.1	3	3.5	22	8.0
	Live Births, Out Of Wedlock	5	277.8	22	392.9	403	314.8	16	340.4	46	254.1	-	-	12	307.7	29	446.2	2	250.0	19	404.3
Deaths - Residence	Deaths (Excluding Fetal), Total	28	15.0	56	14.5	748	7.0	60	13.3	161	9.9	6	13.8	57	14.6	46	7.9	19	11.2	79	11.2
	Deaths (Excluding Fetal), Male	17	18.1	30	15.3	367	6.8	36	16.5	77	9.5	6	26.9	29	14.8	20	6.9	11	13.3	41	9.5
	Deaths (Excluding Fetal), Female	11	11.8	26	13.7	381	7.2	24	10.4	84	10.4	-	-	28	14.4	26	8.7	8	9.2	38	13.9
Infant Mortality & Fetal Death - Residence	Infant Deaths (Under 1 Year)	-	-	-	-	7	5.5	-	-	1	5.5	-	-	-	-	1	15.4	-	-	-	-
	Neonatal (Under 28 Days)	-	-	-	-	4	3.1	-	-	1	5.5	-	-	-	-	-	-	-	-	-	-
	Postneonatal (28 Days - 1 Year)	-	-	-	-	3	2.3	-	-	-	-	-	-	-	-	1	15.4	-	-	-	-
	Fetal	-	-	-	-	2	1.6	-	-	2	11.0	-	-	-	-	-	-	-	-	1	21.3
	Perinatal	-	-	-	-	6	4.7	-	-	3	16.6	-	-	-	-	-	-	-	-	1	21.3
Leading Causes of Death - Residence	_ # Diseases of heart	7	374.7	15	388.4	150	139.8	14	311.2	22	135.9	1	229.4	14	358.6	8	136.7	5	295.2	25	355.1
	(#) Malignant neoplasms	4	214.1	13	336.6	184	171.4	18	400.2	30	185.3	1	229.4	13	333.0	11	188.0	4	236.1	16	227.2
	(#) Chronic lower respiratory	3	160.6	2	51.8	51	47.5	6	133.4	18	111.2	-	-	4	102.5	3	51.3	2	118.1	6	85.2
	(#) Accidents (unintentional injuries)	3	160.6	5	129.5	60	55.9	1	22.2	11	67.9	-	-	5	128.1	1	17.1	2	118.1	4	56.8
	__(61#) Cerebrovascular diseases	1	53.5	7	181.3	29	27.0	2	44.5	8	49.4	-	-	1	25.6	1	17.1	-	-	6	85.2
	__(48#) Alzheimer's disease	1	53.5	1	25.9	22	20.5	1	22.2	7	43.2	-	-	6	153.7	1	17.1	1	59.0	-	-
	__(43#) Diabetes mellitus	2	107.1	1	25.9	18	16.8	4	88.9	4	24.7	-	-	3	76.8	1	17.1	-	-	-	-
	(#) Intentional self-harm (suicide)	-	-	-	-	28	26.1	2	44.5	6	37.1	1	229.4	1	25.6	1	17.1	-	-	2	28.4
	(#) Influenza and pneumonia	2	107.1	-	-	22	20.5	-	-	4	24.7	-	-	-	-	3	51.3	-	-	1	14.2
	(#) Nephritis, nephrotic syndrome and	1	53.5	-	-	11	10.2	1	22.2	7	43.2	1	229.4	2	51.2	1	17.1	-	-	1	14.2
Abortion - Residence	Abortions	-	-	1	17.9	357	278.9	3	63.8	21	116.0	-	-	-	-	4	61.5	-	-	7	148.9
Births - Occurrence	Live Births, Total	-	-	1	0.3	1,780	16.6	2	0.4	170	10.5	-	-	-	-	27	4.6	-	-	8	1.1
Deaths - Occurrence	Deaths (Excluding Fetal), Total	21	11.2	53	13.7	936	8.7	51	11.3	135	8.3	2	4.6	49	12.6	31	5.3	14	8.3	68	9.7
	Accidental	3	160.6	9	233.0	70	65.2	2	44.5	9	55.6	-	-	4	102.5	1	17.1	1	59.0	5	71.0
	Motor Vehicle	3	160.6	5	129.5	27	25.2	1	22.2	1	6.2	-	-	1	25.6	-	-	-	-	1	14.2
	Other Accidental	0	0.0	4	103.6	43	40.1	1	22.2	8	49.4	-	-	3	76.8	1	17.1	1	59.0	4	56.8
Infant Death - Occurrence	Infant Deaths (Under 1 Year)	-	-	-	-	11	6.2	-	-	1	5.9	-	-	-	-	-	-	-	-	-	-
Marriages - Occurrence	Marriages Solumnized	21	11.2	38	9.8	735	6.8	23	5.1	177	10.9	4	9.2	23	5.9	32	5.5	8	4.7	46	6.5
	Licenses Issued	11	5.9	30	7.8	869	8.1	22	4.9	143	8.8	5	11.5	23	5.9	21	3.6	10	5.9	33	4.7
Marital Terminations - Occurrence	Marital Terminations	6	3.2	16	4.1	570	5.3	28	6.2	88	5.4	1	2.3	11	2.8	19	3.2	4	2.4	21	3.0
Abortion - Occurrence	Abortions	-	-	-	-	758	425.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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TABLE S-5

SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2008

ITEM		PRAIRIE		RAVALLI		RICHLAND		ROOSEVELT		ROSEBUD		SANDERS		SHERIDAN		SILVER BOW		STILLWATER		SWEET GRASS	
		NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
Population	Population	1,064	-	40,664	-	9,270	-	10,089	-	9,190	-	11,034	-	3,283	-	32,803	-	8,687	-	3,790	-
Natural Increase	Natural Increase	-5	4.7	-10	0.2	19	2.0	88	8.7	88	9.6	-20	1.8	-37	11.3	-31	0.9	16	1.8	3	0.8
Births - Residence	Live Births, Total	9	8.5	406	10.0	131	14.1	209	20.7	169	18.4	118	10.7	22	6.7	379	11.6	103	11.9	39	10.3
	Live Births, Male	6	11.0	221	10.9	58	12.6	109	21.9	93	20.3	56	10.2	9	5.5	196	12.0	58	13.0	22	11.3
	Live Births, Female	3	5.8	185	9.1	73	15.7	100	19.6	76	16.5	62	11.2	13	7.8	183	11.1	45	10.7	17	9.2
	Live Births, Out Of Wedlock	3	333.3	116	285.7	42	320.6	146	698.6	97	574.0	34	288.1	8	363.6	188	496.0	23	223.3	10	256.4
Deaths - Residence	Deaths (Excluding Fetal), Total	14	13.2	416	10.2	112	12.1	121	12.0	81	8.8	138	12.5	59	18.0	410	12.5	87	10.0	36	9.5
	Deaths (Excluding Fetal), Male	5	9.1	221	10.9	53	11.5	64	12.8	41	9.0	75	13.6	22	13.6	212	13.0	55	12.3	18	9.3
	Deaths (Excluding Fetal), Female	9	17.4	195	9.6	59	12.7	57	11.2	40	8.7	63	11.4	37	22.3	198	12.0	32	7.6	18	9.8
Infant Mortality & Fetal Death - Residence	Infant Deaths (Under 1 Year)	-	-	3	7.4	4	30.5	4	19.1	1	5.9	-	-	-	-	2	5.3	-	-	-	-
	Neonatal (Under 28 Days)	-	-	3	7.4	4	30.5	3	14.4	-	-	-	-	-	-	-	-	-	-	-	-
	Postneonatal (28 Days - 1 Year)	-	-	-	-	-	-	1	4.8	1	5.9	-	-	-	-	2	5.3	-	-	-	-
	Fetal	-	-	2	4.9	-	-	3	14.4	-	-	-	-	-	-	1	2.6	1	9.7	-	-
	Perinatal	-	-	5	12.3	4	30.5	6	28.7	-	-	-	-	-	-	1	2.6	1	9.7	-	-
Leading Causes of Death - Residence	_ # Diseases of heart	4	375.9	88	216.4	11	118.7	35	346.9	15	163.2	24	217.5	21	639.7	107	326.2	21	241.7	9	237.5
	(#) Malignant neoplasms	2	188.0	94	231.2	23	248.1	11	109.0	14	152.3	40	362.5	14	426.4	76	231.7	21	241.7	6	158.3
	(#) Chronic lower respiratory	2	188.0	31	76.2	6	64.7	6	59.5	4	43.5	11	99.7	1	30.5	46	140.2	9	103.6	-	-
	(#) Accidents (unintentional injuries)	2	188.0	27	66.4	11	118.7	10	99.1	4	43.5	10	90.6	2	60.9	22	67.1	4	46.0	4	105.5
	__(61#) Cerebrovascular diseases	-	-	27	66.4	5	53.9	8	79.3	3	32.6	6	54.4	2	60.9	17	51.8	2	23.0	2	52.8
	__(48#) Alzheimer's disease	-	-	14	34.4	2	21.6	3	29.7	1	10.9	9	81.6	4	121.8	8	24.4	5	57.6	-	-
	__(43#) Diabetes mellitus	-	-	11	27.1	1	10.8	3	29.7	1	10.9	6	54.4	1	30.5	18	54.9	2	23.0	1	26.4
	(#) Intentional self-harm (suicide)	-	-	9	22.1	3	32.4	2	19.8	3	32.6	7	63.4	1	30.5	11	33.5	4	46.0	2	52.8
	(#) Influenza and pneumonia	-	-	6	14.8	-	-	3	29.7	4	43.5	2	18.1	5	152.3	7	21.3	1	11.5	-	-
	(#) Nephritis, nephrotic syndrome and	-	-	8	19.7	4	43.1	2	19.8	3	32.6	1	9.1	1	30.5	2	6.1	2	23.0	-	-
Abortion - Residence	Abortions	-	-	55	135.5	5	38.2	15	71.8	14	82.8	12	101.7	2	90.9	63	166.2	3	29.1	6	153.8
Births - Occurrence	Live Births, Total	-	-	182	4.5	116	12.5	76	7.5	9	1.0	56	5.1	5	1.5	473	14.4	1	0.1	1	0.3
Deaths - Occurrence	Deaths (Excluding Fetal), Total	11	10.3	349	8.6	92	9.9	97	9.6	57	6.2	101	9.2	49	14.9	412	12.6	67	7.7	33	8.7
	Accidental	2	188.0	22	54.1	12	129.4	7	69.4	5	54.4	8	72.5	2	60.9	20	61.0	5	57.6	4	105.5
	Motor Vehicle	1	94.0	4	9.8	7	75.5	2	19.8	4	43.5	5	45.3	1	30.5	5	15.2	1	11.5	1	26.4
	Other Accidental	1	94.0	18	44.3	5	53.9	5	49.6	1	10.9	3	27.2	1	30.5	15	45.7	4	46.0	3	79.2
Infant Death - Occurrence	Infant Deaths (Under 1 Year)	-	-	2	11.0	-	-	2	26.3	1	111.1	-	-	-	-	2	4.2	-	-	-	-
Marriages - Occurrence	Marriages Solumnized	2	1.9	227	5.6	58	6.3	54	5.4	27	2.9	62	5.6	24	7.3	213	6.5	44	5.1	30	7.9
	Licenses Issued	4	3.8	185	4.5	65	7.0	52	5.2	31	3.4	52	4.7	26	7.9	229	7.0	37	4.3	26	6.9
Marital Terminations - Occurrence	Marital Terminations	1	0.9	179	4.4	57	6.1	7	0.7	13	1.4	62	5.6	14	4.3	188	5.7	19	2.2	17	4.5
Abortion - Occurrence	Abortions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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TABLE S-5

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FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2008

ITEM		TETON		TOOLE		TREASURE		VALLEY		WHEATLAND		WIBAUX		YELLOWSTONE		~NOT STATED	
		NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
Population	Population	5,992	-	5,141	-	637	-	6,892	-	2,010	-	866	-	142,348	-	-	-
Natural Increase	Natural Increase	-6	1.0	-4	0.8	0	0.0	-16	2.3	-5	2.5	-22	25.4	653	4.6	1	-
Births - Residence	Live Births, Total	56	9.3	42	8.2	5	7.8	71	10.3	19	9.5	5	5.8	2,001	14.1	3	-
	Live Births, Male	35	11.8	21	7.6	2	6.1	39	11.5	10	10.0	4	9.6	1,025	14.7	2	-
	Live Births, Female	21	6.9	21	8.8	3	9.6	32	9.2	9	8.9	1	2.2	976	13.5	1	-
	Live Births, Out Of Wedlock	13	232.1	11	261.9	1	200.0	23	323.9	5	263.2	1	200.0	803	401.3	2	666.7
Deaths - Residence	Deaths (Excluding Fetal), Total	62	10.3	46	8.9	5	7.8	87	12.6	24	11.9	27	31.2	1,348	9.5	2	-
	Deaths (Excluding Fetal), Male	24	8.1	25	9.1	2	6.1	40	11.8	14	14.0	8	19.3	626	9.0	2	-
	Deaths (Excluding Fetal), Female	38	12.6	21	8.8	3	9.6	47	13.5	10	9.9	19	42.1	722	10.0	-	-
Infant Mortality & Fetal Death - Residence	Infant Deaths (Under 1 Year)	-	-	-	-	-	-	1	14.1	-	-	-	-	16	8.0	-	-
	Neonatal (Under 28 Days)	-	-	-	-	-	-	1	14.1	-	-	-	-	6	3.0	-	-
	Postneonatal (28 Days - 1 Year)	-	-	-	-	-	-	-	-	-	-	-	-	10	5.0	-	-
	Fetal	1	17.9	-	-	-	-	-	-	-	-	-	-	4	2.0	-	-
	Perinatal	1	17.9	-	-	-	-	1	14.1	-	-	-	-	10	5.0	-	-
Leading Causes of Death - Residence	_ # Diseases of heart	16	267.0	13	252.9	-	-	29	420.8	7	348.3	5	577.4	302	212.2	-	-
	(#) Malignant neoplasms	12	200.3	11	214.0	-	-	16	232.2	6	298.5	3	346.4	265	186.2	-	-
	(#) Chronic lower respiratory	4	66.8	6	116.7	2	314.0	7	101.6	1	49.8	3	346.4	118	82.9	-	-
	(#) Accidents (unintentional injuries)	7	116.8	2	38.9	-	-	3	43.5	2	99.5	-	-	67	47.1	-	-
	__(61#) Cerebrovascular diseases	4	66.8	3	58.4	-	-	5	72.5	1	49.8	-	-	62	43.6	1	-
	__(48#) Alzheimer's disease	2	33.4	1	19.5	1	157.0	6	87.1	-	-	2	230.9	48	33.7	-	-
	__(43#) Diabetes mellitus	2	33.4	2	38.9	-	-	2	29.0	-	-	-	-	36	25.3	-	-
	(#) Intentional self-harm (suicide)	1	16.7	1	19.5	-	-	-	-	-	-	-	-	18	12.6	-	-
	(#) Influenza and pneumonia	-	-	-	-	-	-	2	29.0	1	49.8	-	-	22	15.5	-	-
	(#) Nephritis, nephrotic syndrome and	1	16.7	-	-	-	-	3	43.5	1	49.8	-	-	27	19.0	-	-
Abortion - Residence	Abortions	4	71.4	3	71.4	-	-	4	56.3	1	52.6	1	200.0	347	173.4	15	0.0
Births - Occurrence	Live Births, Total	-	-	33	6.4	-	-	152	22.1	-	-	-	-	2,621	18.4	-	-
Deaths - Occurrence	Deaths (Excluding Fetal), Total	42	7.0	43	8.4	2	3.1	75	10.9	19	9.5	20	23.1	1,692	11.9	-	-
	Accidental	2	33.4	2	38.9	1	157.0	2	29.0	2	99.5	-	-	86	60.4	-	-
	Motor Vehicle	1	16.7	-	-	1	157.0	1	14.5	-	-	-	-	35	24.6	-	-
	Other Accidental	1	16.7	2	38.9	0	0.0	1	14.5	2	99.5	-	-	51	35.8	-	-
Infant Death - Occurrence	Infant Deaths (Under 1 Year)	-	-	-	-	-	-	-	-	-	-	-	-	22	8.4	-	-
Marriages - Occurrence	Marriages Solumnized	35	5.8	33	6.4	3	4.7	36	5.2	9	4.5	3	3.5	919	6.5	1	-
	Licenses Issued	26	4.3	32	6.2	4	6.3	37	5.4	9	4.5	2	2.3	992	7.0	-	-
Marital Terminations - Occurrence	Marital Terminations	15	2.5	20	3.9	2	3.1	20	2.9	6	3.0	2	2.3	754	5.3	-	-
Abortion - Occurrence	Abortions	-	-	-	-	-	-	-	-	-	-	-	-	760	290.0	-	-

* OUT OF WEDLOCK BIRTHS, INFANT DEATHS, FETAL DEATHS, AND ABORTIONS ARE PER 1,000 LIVE BIRTHS.** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE PER 100,000 ESTIMATED POPULATION.*** NATURAL INCREASE, LIVE BIRTHS, DEATHS, MARRIAGES, AND MARTIAL TERMINATIONS ARE PER 1,000 POPULATION.
- QUANTITY IS ZERO.
SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-10) CODES INCLUDED IN EACH CATEGORY.
LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES IN THE TABLE AT
http://www.dphhs.mt.gov/statisticalinformation/vitalstats/appendix/113causes.pdf. THOSE MARKED WITH A "#" SIGN ARE RANKABLE AS LEADING CAUSES.
ABORTION DATA ARE LIMITED TO INDUCED ABORTIONS OCCURRING IN MONTANA.

TABLE S-6

FREQUENCY AND AGE SPECIFIC RATE OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS* BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE MONTANA, 2008

COUNTY OF RESIDENCE			TOTAL	AGE									
				UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 AND OVER	NOT STATED
MONTANA, TOTAL	Live Births	NUMBER	12,595	9	367	945	3,458	3,884	2,605	1,083	225	19	-
		RATE+	69.5	-	18.6	76.0	107.1	122.7	98.7	38.7	7.4	-	-
	Fetal Deaths	NUMBER	39	-	5	4	4	5	6	10	3	2	-
		RATE+	0.2	-	0.3	0.3	0.1	0.2	0.2	0.4	0.1	-	-
	Induced Abortions	NUMBER	1,916	11	131	228	688	427	240	146	42	2	1
		RATE+	10.6	-	6.6	18.3	21.3	13.5	9.1	5.2	1.4	-	-
BEAVERHEAD	Live Births	NUMBER	89	-	3	9	21	28	21	4	3	-	-
		RATE+	53.1	-	15.7	37.7	53.6	164.7	99.1	17.9	12.1	-	-
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
	Induced Abortions	NUMBER	13	-	2	1	6	2	-	2	-	-	-
		RATE+	7.8	-	10.5	4.2	15.3	11.8	-	9.0	-	-	-
BIG HORN	Live Births	NUMBER	282	-	20	40	91	71	39	16	5	-	-
		RATE+	114.1	-	58.0	236.7	208.7	185.9	112.4	43.1	11.9	-	-
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
	Induced Abortions	NUMBER	16	-	2	5	2	3	4	-	-	-	-
		RATE+	6.5	-	5.8	29.6	4.6	7.9	11.5	-	-	-	-
BLAINE	Live Births	NUMBER	104	-	7	16	21	33	22	4	1	-	-
		RATE+	91.9	-	41.9	153.8	100.5	184.4	164.2	28.6	5.0	-	-
	Fetal Deaths	NUMBER	1	-	-	-	1	-	-	-	-	-	-
		RATE+	0.9	-	-	-	4.8	-	-	-	-	-	-
	Induced Abortions	NUMBER	8	-	-	-	2	3	2	1	-	-	-
		RATE+	7.1	-	-	-	9.6	16.8	14.9	7.1	-	-	-
BROADWATER	Live Births	NUMBER	55	-	5	6	14	13	9	7	1	-	-
		RATE+	70.7	-	50.0	105.3	113.8	112.1	93.8	55.1	6.3	-	-
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
	Induced Abortions	NUMBER	5	-	-	-	2	2	-	1	-	-	-
		RATE+	6.4	-	-	-	16.3	17.2	-	7.9	-	-	-
CARBON	Live Births	NUMBER	75	-	-	3	20	18	25	7	2	-	-
		RATE+	48.0	-	-	35.7	76.3	65.7	128.9	27.0	6.5	-	-
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
	Induced Abortions	NUMBER	12	-	1	1	5	-	3	2	-	-	-
		RATE+	7.7	-	5.5	11.9	19.1	-	15.5	7.7	-	-	-
CARTER	Live Births	NUMBER	4	-	-	-	1	2	-	-	1	-	-
		RATE+	19.9	-	-	-	30.3	66.7	-	-	20.0	-	-
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
	Induced Abortions	NUMBER	1	-	1	-	-	-	-	-	-	-	-
		RATE+	5.0	-	37.0	-	-	-	-	-	-	-	-
CASCADE	Live Births	NUMBER	1,190	1	24	92	430	361	189	83	10	-	-
		RATE+	81.0	-	13.6	100.9	204.3	157.8	79.0	35.5	3.5	-	-
	Fetal Deaths	NUMBER	3	-	-	-	-	1	-	1	1	-	-
		RATE+	0.2	-	-	-	-	0.4	-	0.4	0.3	-	-
	Induced Abortions	NUMBER	145	1	9	22	47	25	25	10	5	1	-
		RATE+	9.9	-	5.1	24.1	22.3	10.9	10.5	4.3	1.7	-	-
CHOUTEAU	Live Births	NUMBER	41	-	-	4	12	10	8	7	-	-	-
		RATE+	48.1	-	-	51.3	78.4	79.4	101.3	53.4	-	-	-
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
	Induced Abortions	NUMBER	1	-	-	-	1	-	-	-	-	-	-
		RATE+	1.2	-	-	-	6.5	-	-	-	-	-	-
CUSTER	Live Births	NUMBER	151	-	6	12	43	46	26	16	2	-	-
		RATE+	76.8	-	23.9	88.2	128.4	131.4	111.1	47.1	6.3	-	-
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
	Induced Abortions	NUMBER	17	-	-	1	11	1	1	3	-	-	-
		RATE+	8.7	-	-	7.4	32.8	2.9	4.3	8.8	-	-	-

* THESE EVENTS ARE THE 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).
+ PER 1,000 FEMALES IN THE DESIGNATED AGE GROUP
- FREQUENCY IS ZERO OR RATE IS NOT CALCULATED
FEMALE POPULATION AGED 15-44 IS USED AS THE DENOMINATOR FOR THE TOTAL.

TABLE S-6

FREQUENCY AND AGE SPECIFIC RATE OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS* BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE MONTANA, 2008

COUNTY OF RESIDENCE			TOTAL	AGE									
				UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 AND OVER	NOT STATED
DANIELS	Live Births	NUMBER	15	-	-	-	4	4	6	1	-	-	-
		RATE+	66.7	-	-	-	69.0	166.7	272.7	28.6	-	-	-
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
	Induced Abortions	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
DAWSON	Live Births	NUMBER	93	-	3	6	29	27	17	10	1	-	-
		RATE+	67.7	-	17.3	50.4	106.2	136.4	85.0	53.2	4.5	-	-
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
	Induced Abortions	NUMBER	12	-	-	-	4	6	2	-	-	-	-
		RATE+	8.7	-	-	-	14.7	30.3	10.0	-	-	-	-
DEER LODGE	Live Births	NUMBER	79	-	6	8	19	19	15	11	1	-	-
		RATE+	53.6	-	36.8	101.3	76.6	61.1	83.8	50.2	3.6	-	-
	Fetal Deaths	NUMBER	4	-	1	1	-	-	-	1	-	1	-
		RATE+	2.7	-	6.1	12.7	-	-	-	4.6	-	-	-
	Induced Abortions	NUMBER	13	-	3	3	2	1	1	3	-	-	-
		RATE+	8.8	-	18.4	38.0	8.1	3.2	5.6	13.7	-	-	-
FALLON	Live Births	NUMBER	39	-	1	2	16	10	6	4	-	-	-
		RATE+	91.8	-	16.1	100.0	207.8	126.6	111.1	66.7	-	-	-
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
	Induced Abortions	NUMBER	1	-	-	-	-	-	-	1	-	-	-
		RATE+	2.4	-	-	-	-	-	-	16.7	-	-	-
FERGUS	Live Births	NUMBER	108	-	3	7	23	39	26	6	4	-	-
		RATE+	62.1	-	13.2	70.0	75.7	124.2	121.5	21.2	13.5	-	-
	Fetal Deaths	NUMBER	1	-	-	-	-	-	-	1	-	-	-
		RATE+	0.6	-	-	-	-	-	-	3.5	-	-	-
	Induced Abortions	NUMBER	11	-	-	1	2	5	2	-	1	-	-
		RATE+	6.3	-	-	10.0	6.6	15.9	9.3	-	3.4	-	-
FLATHEAD	Live Births	NUMBER	1,198	-	32	94	304	370	257	106	29	6	-
		RATE+	72.6	-	17.4	107.2	126.9	111.4	99.2	40.2	10.2	-	-
	Fetal Deaths	NUMBER	5	-	2	2	-	-	1	-	-	-	-
		RATE+	0.3	-	1.1	2.3	-	-	0.4	-	-	-	-
	Induced Abortions	NUMBER	222	-	18	23	62	55	31	20	12	1	-
		RATE+	13.5	-	9.8	26.2	25.9	16.6	12.0	7.6	4.2	-	-
GALLATIN	Live Births	NUMBER	1,256	-	21	47	211	418	370	161	22	6	-
		RATE+	62.9	-	14.1	27.6	48.7	107.9	119.1	55.8	8.6	-	-
	Fetal Deaths	NUMBER	4	-	-	-	-	2	-	1	-	1	-
		RATE+	0.2	-	-	-	-	0.5	-	0.3	-	-	-
	Induced Abortions	NUMBER	210	1	8	21	88	54	21	15	1	-	1
		RATE+	10.5	-	5.4	12.3	20.3	13.9	6.8	5.2	0.4	-	-
GARFIELD	Live Births	NUMBER	22	-	-	-	5	15	2	-	-	-	-
		RATE+	140.1	-	-	-	208.3	625.0	125.0	-	-	-	-
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
	Induced Abortions	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
GLACIER	Live Births	NUMBER	306	1	17	42	111	71	43	20	1	-	-
		RATE+	116.6	-	49.1	201.9	201.5	170.7	136.9	57.3	2.3	-	-
	Fetal Deaths	NUMBER	1	-	-	-	-	-	1	-	-	-	-
		RATE+	0.4	-	-	-	-	-	3.2	-	-	-	-
	Induced Abortions	NUMBER	31	1	4	4	10	3	7	2	-	-	-
		RATE+	11.8	-	11.6	19.2	18.1	7.2	22.3	5.7	-	-	-
GOLDEN VALLEY	Live Births	NUMBER	6	-	-	1	1	1	2	1	-	-	-
		RATE+	31.6	-	-	100.0	30.3	37.0	52.6	32.3	-	-	-
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
	Induced Abortions	NUMBER	1	-	-	-	1	-	-	-	-	-	-
		RATE+	5.3	-	-	-	30.3	-	-	-	-	-	-

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+ PER 1,000 FEMALES IN THE DESIGNATED AGE GROUP
- FREQUENCY IS ZERO OR RATE IS NOT CALCULATED
FEMALE POPULATION AGED 15-44 IS USED AS THE DENOMINATOR FOR THE TOTAL.

TABLE S-6

FREQUENCY AND AGE SPECIFIC RATE OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS* BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE MONTANA, 2008

COUNTY OF RESIDENCE			TOTAL	AGE									
				UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 AND OVER	NOT STATED
GRANITE	Live Births	NUMBER	16	-	-	2	3	6	4	1	-	-	-
		RATE+	35.5	-	-	95.2	39.5	82.2	51.9	15.2	-	-	-
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
	Induced Abortions	NUMBER	2	-	-	1	-	1	-	-	-	-	-
		RATE+	4.4	-	-	47.6	-	13.7	-	-	-	-	-
HILL	Live Births	NUMBER	323	2	20	31	106	80	52	28	4	-	-
		RATE+	106.2	-	54.1	111.1	153.8	162.3	145.3	64.5	9.5	-	-
	Fetal Deaths	NUMBER	1	-	-	-	-	-	-	1	-	-	-
		RATE+	0.3	-	-	-	-	-	-	2.3	-	-	-
	Induced Abortions	NUMBER	19	-	-	2	8	5	1	3	-	-	-
		RATE+	6.2	-	-	7.2	11.6	10.1	2.8	6.9	-	-	-
JEFFERSON	Live Births	NUMBER	89	-	1	5	13	31	28	10	1	-	-
		RATE+	44.7	-	3.5	37.3	35.1	90.9	132.1	35.7	2.7	-	-
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
	Induced Abortions	NUMBER	14	-	1	4	1	3	3	2	-	-	-
		RATE+	7.0	-	3.5	29.9	2.7	8.8	14.2	7.1	-	-	-
JUDITH BASIN	Live Births	NUMBER	21	-	-	-	5	6	8	-	1	1	-
		RATE+	76.4	-	-	-	151.5	166.7	333.3	-	15.6	-	-
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
	Induced Abortions	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
LAKE	Live Births	NUMBER	417	-	20	47	160	91	64	26	9	-	-
		RATE+	80.5	-	30.6	118.7	171.5	104.6	94.5	32.7	10.5	-	-
	Fetal Deaths	NUMBER	1	-	-	-	-	-	-	1	-	-	-
		RATE+	0.2	-	-	-	-	-	-	1.3	-	-	-
	Induced Abortions	NUMBER	61	-	4	9	19	21	4	3	1	-	-
		RATE+	11.8	-	6.1	22.7	20.4	24.1	5.9	3.8	1.2	-	-
LEWIS AND CLARK	Live Births	NUMBER	808	1	30	65	209	251	163	68	21	-	-
		RATE+	69.9	-	23.8	86.0	106.6	122.0	98.1	36.5	10.5	-	-
	Fetal Deaths	NUMBER	1	-	1	-	-	-	-	-	-	-	-
		RATE+	0.1	-	0.8	-	-	-	-	-	-	-	-
	Induced Abortions	NUMBER	133	1	5	25	48	27	12	12	3	-	-
		RATE+	11.5	-	4.0	33.1	24.5	13.1	7.2	6.4	1.5	-	-
LIBERTY	Live Births	NUMBER	19	-	-	-	3	8	6	2	-	-	-
		RATE+	72.2	-	-	-	63.8	228.6	285.7	47.6	-	-	-
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
	Induced Abortions	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
LINCOLN	Live Births	NUMBER	181	-	5	17	56	46	39	12	6	-	-
		RATE+	59.9	-	12.4	93.9	108.9	99.4	101.6	25.6	9.9	-	-
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
	Induced Abortions	NUMBER	18	-	3	-	6	2	2	4	1	-	-
		RATE+	6.0	-	7.5	-	11.7	4.3	5.2	8.5	1.6	-	-
MADISON	Live Births	NUMBER	62	-	-	1	10	24	17	9	-	1	-
		RATE+	50.0	-	-	13.7	46.1	129.7	90.4	43.9	-	-	-
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
	Induced Abortions	NUMBER	7	-	-	1	1	2	2	1	-	-	-
		RATE+	5.6	-	-	13.7	4.6	10.8	10.6	4.9	-	-	-
MCCONE	Live Births	NUMBER	17	-	-	1	4	6	4	2	-	-	-
		RATE+	70.8	-	-	58.8	97.6	300.0	190.5	50.0	-	-	-
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
	Induced Abortions	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-

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COUNTY OF RESIDENCE			TOTAL	AGE									
				UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 AND OVER	NOT STATED
MEAGHER	Live Births	NUMBER	18	-	-	1	3	9	4	1	-	-	-
		RATE+	59.0	-	-	83.3	73.2	128.6	83.3	25.6	-	-	-
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
	Induced Abortions	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
MINERAL	Live Births	NUMBER	56	-	2	5	15	17	10	5	2	-	-
		RATE+	93.2	-	25.6	200.0	174.4	158.9	120.5	49.0	16.7	-	-
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
	Induced Abortions	NUMBER	1	-	-	-	-	-	1	-	-	-	-
		RATE+	1.7	-	-	-	-	-	12.0	-	-	-	-
MISSOULA	Live Births	NUMBER	1,280	-	10	76	305	426	310	124	27	2	-
		RATE+	53.6	-	5.2	41.8	60.2	93.2	83.7	37.6	7.7	-	-
	Fetal Deaths	NUMBER	2	-	-	-	1	-	-	1	-	-	-
		RATE+	0.1	-	-	-	0.2	-	-	0.3	-	-	-
	Induced Abortions	NUMBER	357	2	17	40	161	66	48	21	2	-	-
		RATE+	15.0	-	8.9	22.0	31.8	14.4	13.0	6.4	0.6	-	-
MUSSELSHELL	Live Births	NUMBER	47	-	4	2	11	19	6	4	-	1	-
		RATE+	68.5	-	44.9	38.5	83.3	200.0	70.6	33.1	-	-	-
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
	Induced Abortions	NUMBER	3	-	-	1	-	-	1	1	-	-	-
		RATE+	4.4	-	-	19.2	-	-	11.8	8.3	-	-	-
PARK	Live Births	NUMBER	181	-	5	7	34	66	34	31	3	1	-
		RATE+	65.1	-	15.7	48.6	96.3	127.2	87.6	57.4	5.8	-	-
	Fetal Deaths	NUMBER	2	-	-	-	-	-	2	-	-	-	-
		RATE+	0.7	-	-	-	-	-	5.2	-	-	-	-
	Induced Abortions	NUMBER	21	-	4	2	5	6	2	1	1	-	-
		RATE+	7.6	-	12.6	13.9	14.2	11.6	5.2	1.9	1.9	-	-
PETROLEUM	Live Births	NUMBER	1	-	-	-	-	-	-	1	-	-	-
		RATE+	14.5	-	-	-	-	-	-	66.7	-	-	-
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
	Induced Abortions	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
PHILLIPS	Live Births	NUMBER	39	-	2	4	6	16	7	1	3	-	-
		RATE+	70.8	-	24.4	95.2	55.6	181.8	127.3	14.7	27.8	-	-
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
	Induced Abortions	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
PONDERA	Live Births	NUMBER	65	-	2	4	30	15	10	3	1	-	-
		RATE+	66.1	-	13.2	62.5	147.8	100.0	122.0	19.6	5.6	-	-
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
	Induced Abortions	NUMBER	4	-	-	-	2	-	-	1	1	-	-
		RATE+	4.1	-	-	-	9.9	-	-	6.5	5.6	-	-
POWDER RIVER	Live Births	NUMBER	8	-	-	1	1	4	1	-	1	-	-
		RATE+	30.3	-	-	66.7	23.3	114.3	27.0	-	21.7	-	-
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
	Induced Abortions	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
POWELL	Live Births	NUMBER	47	-	2	4	14	14	7	6	-	-	-
		RATE+	54.0	-	15.9	54.1	98.6	112.9	82.4	46.9	-	-	-
	Fetal Deaths	NUMBER	1	-	-	-	-	1	-	-	-	-	-
		RATE+	1.1	-	-	-	-	8.1	-	-	-	-	-
	Induced Abortions	NUMBER	7	-	-	-	3	2	2	-	-	-	-
		RATE+	8.0	-	-	-	21.1	16.1	23.5	-	-	-	-

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+ PER 1,000 FEMALES IN THE DESIGNATED AGE GROUP
- FREQUENCY IS ZERO OR RATE IS NOT CALCULATED
FEMALE POPULATION AGED 15-44 IS USED AS THE DENOMINATOR FOR THE TOTAL.

TABLE S-6

FREQUENCY AND AGE SPECIFIC RATE OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS* BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE MONTANA, 2008

COUNTY OF RESIDENCE			TOTAL	AGE									
				UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 AND OVER	NOT STATED
PRAIRIE	Live Births	NUMBER	9	-	-	-	3	5	1	-	-	-	-
		RATE+	64.7	-	-	-	115.4	312.5	58.8	-	-	-	-
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
	Induced Abortions	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
RAVALLI	Live Births	NUMBER	406	1	8	41	103	122	91	33	7	-	-
		RATE+	58.9	-	9.3	101.7	106.1	100.1	90.9	28.8	5.4	-	-
	Fetal Deaths	NUMBER	2	-	-	-	1	1	-	-	-	-	-
		RATE+	0.3	-	-	-	1.0	0.8	-	-	-	-	-
	Induced Abortions	NUMBER	55	2	7	7	17	9	8	5	-	-	-
		RATE+	8.0	-	8.2	17.4	17.5	7.4	8.0	4.4	-	-	-
RICHLAND	Live Births	NUMBER	131	-	4	10	41	49	18	8	1	-	-
		RATE+	83.9	-	17.2	101.0	154.1	209.4	91.4	35.7	3.2	-	-
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
	Induced Abortions	NUMBER	5	-	-	-	2	2	1	-	-	-	-
		RATE+	3.2	-	-	-	7.5	8.5	5.1	-	-	-	-
ROOSEVELT	Live Births	NUMBER	209	-	10	34	82	46	30	5	2	-	-
		RATE+	112.9	-	34.7	215.2	233.0	176.9	150.8	16.7	6.8	-	-
	Fetal Deaths	NUMBER	3	-	1	-	-	-	-	2	-	-	-
		RATE+	1.6	-	3.5	-	-	-	-	6.7	-	-	-
	Induced Abortions	NUMBER	15	-	2	1	8	3	1	-	-	-	-
		RATE+	8.1	-	6.9	6.3	22.7	11.5	5.0	-	-	-	-
ROSEBUD	Live Births	NUMBER	169	-	7	15	55	52	27	10	3	-	-
		RATE+	102.3	-	27.5	121.0	177.4	238.5	160.7	41.5	8.9	-	-
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
	Induced Abortions	NUMBER	14	-	2	-	5	1	2	2	2	-	-
		RATE+	8.5	-	7.8	-	16.1	4.6	11.9	8.3	6.0	-	-
SANDERS	Live Births	NUMBER	118	-	6	5	39	28	26	13	1	-	-
		RATE+	66.2	-	27.6	49.0	120.0	99.3	104.0	41.4	3.4	-	-
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
	Induced Abortions	NUMBER	12	-	2	1	4	2	-	2	1	-	-
		RATE+	6.7	-	9.2	9.8	12.3	7.1	-	6.4	3.4	-	-
SHERIDAN	Live Births	NUMBER	22	-	-	1	4	8	5	4	-	-	-
		RATE+	52.0	-	-	26.3	43.0	135.6	122.0	160.0	-	-	-
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
	Induced Abortions	NUMBER	2	-	-	-	-	1	-	1	-	-	-
		RATE+	4.7	-	-	-	-	16.9	-	40.0	-	-	-
SILVER BOW	Live Births	NUMBER	379	1	15	32	117	116	67	24	7	-	-
		RATE+	65.5	-	22.7	83.1	103.4	122.0	94.6	28.6	6.3	-	-
	Fetal Deaths	NUMBER	1	-	-	-	-	-	-	-	1	-	-
		RATE+	0.2	-	-	-	-	-	-	-	0.9	-	-
	Induced Abortions	NUMBER	63	-	3	9	22	10	11	5	3	-	-
		RATE+	10.9	-	4.5	23.4	19.4	10.5	15.5	6.0	2.7	-	-
STILLWATER	Live Births	NUMBER	103	-	2	3	25	34	30	6	3	-	-
		RATE+	73.5	-	11.7	37.5	107.8	157.4	170.5	24.9	10.5	-	-
	Fetal Deaths	NUMBER	1	-	-	-	-	-	-	1	-	-	-
		RATE+	0.7	-	-	-	-	-	-	4.1	-	-	-
	Induced Abortions	NUMBER	3	-	-	-	1	1	1	-	-	-	-
		RATE+	2.1	-	-	-	4.3	4.6	5.7	-	-	-	-
SWEET GRASS	Live Births	NUMBER	39	-	1	2	6	17	8	5	-	-	-
		RATE+	64.4	-	13.7	43.5	65.9	215.2	82.5	48.1	-	-	-
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
	Induced Abortions	NUMBER	6	-	3	1	-	2	-	-	-	-	-
		RATE+	9.9	-	41.1	21.7	-	25.3	-	-	-	-	-

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+ PER 1,000 FEMALES IN THE DESIGNATED AGE GROUP
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FEMALE POPULATION AGED 15-44 IS USED AS THE DENOMINATOR FOR THE TOTAL.

TABLE S-6

FREQUENCY AND AGE SPECIFIC RATE OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS* BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE MONTANA, 2008

COUNTY OF RESIDENCE			TOTAL	AGE									
				UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 AND OVER	NOT STATED
TETON	Live Births	NUMBER	56	-	1	2	18	12	15	2	6	-	-
		RATE+	55.8	-	6.6	32.8	100.0	68.6	156.3	13.2	31.6	-	-
	Fetal Deaths	NUMBER	1	-	-	1	-	-	-	-	-	-	-
		RATE+	1.0	-	-	16.4	-	-	-	-	-	-	-
	Induced Abortions	NUMBER	4	-	1	-	2	-	1	-	-	-	-
		RATE+	4.0	-	6.6	-	11.1	-	10.4	-	-	-	-
TOOLE	Live Births	NUMBER	42	-	1	1	13	15	12	-	-	-	-
		RATE+	53.0	-	10.4	26.3	103.2	115.4	104.3	-	-	-	-
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
	Induced Abortions	NUMBER	3	-	1	-	1	1	-	-	-	-	-
		RATE+	3.8	-	10.4	-	7.9	7.7	-	-	-	-	-
TREASURE	Live Births	NUMBER	5	-	-	1	2	1	1	-	-	-	-
		RATE+	54.3	-	-	125.0	117.6	76.9	111.1	-	-	-	-
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
	Induced Abortions	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
VALLEY	Live Births	NUMBER	71	-	2	4	20	22	16	7	-	-	-
		RATE+	69.3	-	14.2	72.7	119.8	145.7	129.0	38.0	-	-	-
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
	Induced Abortions	NUMBER	4	-	-	-	-	2	1	1	-	-	-
		RATE+	3.9	-	-	-	-	13.2	8.1	5.4	-	-	-
WHEATLAND	Live Births	NUMBER	19	-	-	-	4	8	6	1	-	-	-
		RATE+	56.4	-	-	-	72.7	163.3	113.2	19.6	-	-	-
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
	Induced Abortions	NUMBER	1	-	1	-	-	-	-	-	-	-	-
		RATE+	3.0	-	20.0	-	-	-	-	-	-	-	-
WIBAUX	Live Births	NUMBER	5	-	1	1	1	1	-	1	-	-	-
		RATE+	36.0	-	52.6	111.1	41.7	83.3	-	50.0	-	-	-
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
	Induced Abortions	NUMBER	1	-	-	1	-	-	-	-	-	-	-
		RATE+	7.2	-	-	111.1	-	-	-	-	-	-	-
YELLOWSTONE	Live Births	NUMBER	2,001	2	58	130	560	657	394	166	33	1	-
		RATE+	73.0	-	20.7	76.5	124.2	138.2	87.6	36.5	7.2	-	-
	Fetal Deaths	NUMBER	4	-	-	-	1	-	2	-	1	-	-
		RATE+	0.1	-	-	-	0.2	-	0.4	-	0.2	-	-
	Induced Abortions	NUMBER	347	3	25	38	120	98	35	20	8	-	-
		RATE+	12.7	-	8.9	22.4	26.6	20.6	7.8	4.4	1.7	-	-
~NOT STATED	Live Births	NUMBER	3	-	-	1	1	-	1	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
	Fetal Deaths	NUMBER	-	-	-	-	-	-	-	-	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-
	Induced Abortions	NUMBER	15	-	2	3	7	-	2	1	-	-	-
		RATE+	-	-	-	-	-	-	-	-	-	-	-

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FEMALE POPULATION AGED 15-44 IS USED AS THE DENOMINATOR FOR THE TOTAL.

TABLE P-1

MONTANA RESIDENT POPULATION BY COUNTY
MONTANA, 2000-2008

COUNTY	2008 U.S. CENSUS EST. POPULATION	2007 U.S. CENSUS EST. POPULATION	2006 U.S. CENSUS EST. POPULATION	2005 U.S. CENSUS EST. POPULATION	2004 U.S. CENSUS EST. POPULATION	2003 U.S. CENSUS EST. POPULATION	2002 U.S. CENSUS EST. POPULATION	2001 U.S. CENSUS EST. POPULATION	2000 U.S. CENSUS EST. POPULATION
MONTANA TOTAL	967,440	956,624	945,428	934,888	925,969	916,754	909,859	905,854	903,283
BEAVERHEAD	8,903	8,807	8,835	8,764	8,812	8,840	8,959	9,018	9,191
BIG HORN	12,841	12,765	12,681	12,764	12,842	12,733	12,773	12,806	12,659
BLAINE	6,491	6,524	6,556	6,613	6,591	6,715	6,786	6,757	6,977
BROADWATER	4,704	4,579	4,491	4,432	4,438	4,361	4,343	4,365	4,366
CARBON	9,657	9,709	9,687	9,746	9,662	9,646	9,651	9,635	9,564
CARTER	1,234	1,262	1,266	1,273	1,299	1,304	1,333	1,350	1,345
CASCADE	82,026	81,784	81,854	81,791	81,690	81,059	80,590	80,380	80,200
CHOUTEAU	5,225	5,245	5,259	5,308	5,394	5,499	5,598	5,750	5,975
CUSTER	11,149	11,165	11,084	11,167	11,305	11,278	11,405	11,426	11,667
DANIELS	1,643	1,645	1,701	1,765	1,793	1,875	1,911	2,003	2,012
DAWSON	8,490	8,554	8,543	8,544	8,558	8,649	8,694	8,903	9,036
DEER LODGE	8,843	8,838	8,828	8,990	9,002	8,981	9,094	9,221	9,385
FALLON	2,716	2,690	2,637	2,625	2,703	2,714	2,688	2,719	2,811
FERGUS	11,195	11,165	11,219	11,219	11,362	11,422	11,568	11,675	11,880
FLATHEAD	88,473	86,766	84,549	82,530	80,626	79,152	77,269	75,987	74,710
GALLATIN	89,824	87,243	84,370	80,671	77,408	74,689	71,967	70,170	68,358
GARFIELD	1,184	1,205	1,201	1,173	1,211	1,234	1,245	1,262	1,267
GLACIER	13,297	13,334	13,396	13,410	13,511	13,254	13,164	13,138	13,197
GOLDEN VALLEY	1,081	1,118	1,102	1,113	1,081	1,040	1,054	1,015	1,023
GRANITE	2,821	2,841	2,876	2,896	2,852	2,862	2,873	2,879	2,843
HILL	16,454	16,536	16,431	16,211	16,215	16,202	16,297	16,467	16,628
JEFFERSON	11,255	11,090	10,857	10,779	10,574	10,312	10,226	10,120	10,077
JUDITH BASIN	2,014	2,040	2,121	2,135	2,176	2,184	2,238	2,263	2,332
LAKE	28,690	28,395	28,343	27,969	27,606	27,106	26,835	26,843	26,624
LEWIS & CLARK	60,925	59,929	58,898	58,095	57,707	56,866	56,127	56,191	55,881
LIBERTY	1,725	1,797	1,842	1,938	1,997	2,009	2,006	2,089	2,153
LINCOLN	18,971	18,848	18,637	18,687	18,602	18,569	18,480	18,548	18,812
MCCONE	1,676	1,716	1,720	1,746	1,757	1,780	1,819	1,873	1,965
MADISON	7,509	7,405	7,185	7,088	6,902	6,823	6,889	6,834	6,873
MEAGHER	1,868	1,894	1,913	1,908	1,950	1,926	1,910	1,921	1,929
MINERAL	3,862	3,872	3,955	3,944	3,846	3,837	3,781	3,815	3,888
MISSOULA	107,320	105,638	103,973	102,140	100,810	99,854	98,925	97,398	96,167
MUSSELSHELL	4,498	4,470	4,462	4,379	4,419	4,401	4,389	4,397	4,492
PARK	16,189	16,072	15,845	15,750	15,616	15,623	15,746	15,691	15,720
PETROLEUM	436	433	461	460	491	484	492	483	492
PHILLIPS	3,904	3,934	3,953	4,044	4,143	4,197	4,300	4,444	4,548
PONDERA	5,852	5,921	5,937	5,976	6,003	6,125	6,220	6,326	6,377
POWDER RIVER	1,694	1,698	1,736	1,700	1,760	1,815	1,822	1,813	1,856
POWELL	7,041	7,115	7,100	6,946	6,839	6,860	6,958	7,011	7,178
PRAIRIE	1,064	1,043	1,059	1,077	1,139	1,157	1,169	1,209	1,185
RAVALLI	40,664	40,331	39,817	39,229	38,920	38,315	37,409	36,740	36,307
RICHLAND	9,270	9,171	9,080	9,021	8,950	9,080	9,212	9,384	9,613
ROOSEVELT	10,089	10,134	10,240	10,405	10,432	10,320	10,372	10,540	10,605
ROSEBUD	9,190	9,161	9,095	9,141	9,146	9,214	9,203	9,248	9,388
SANDERS	11,034	11,011	10,877	10,728	10,675	10,384	10,346	10,405	10,246
SHERIDAN	3,283	3,365	3,401	3,480	3,605	3,635	3,782	3,926	4,073
SILVER BOW	32,803	32,602	32,644	32,755	32,879	33,053	33,348	33,711	34,515
STILLWATER	8,687	8,630	8,472	8,319	8,303	8,342	8,361	8,337	8,215
SWEET GRASS	3,790	3,794	3,688	3,638	3,651	3,575	3,613	3,596	3,639
TETON	5,992	6,006	6,013	6,074	6,196	6,311	6,290	6,379	6,435
TOOLE	5,141	5,162	5,133	5,198	5,068	5,024	5,271	5,277	5,262
TREASURE	637	648	676	698	741	742	765	821	854
VALLEY	6,892	6,884	6,907	7,038	7,155	7,221	7,370	7,507	7,638
WHEATLAND	2,010	1,982	1,965	2,032	2,073	2,102	2,176	2,171	2,251
WIBAUX	866	892	886	919	956	971	997	1,016	1,071
YELLOWSTONE	142,348	139,766	137,971	136,447	134,527	133,028	131,750	130,601	129,528

SOURCE: National Center for Health Statistics. Postcensal estimates of the resident population of the United States for July 1, 2000-July 1, 2008, by year, county, age, bridged race, Hispanic origin, and sex (Vintage 2008). Prepared under a collaborative arrangement with the U.S. Census Bureau; released May 14, 2009. Available from: http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm as of September 2, 2009

TABLE B-1

FREQUENCY AND PERCENT* DISTRIBUTION OF LIVE BIRTHS BY INFANT'S SEX, LEGITIMACY, PLURALITY, AND PARITY
MONTANA RESIDENTS, 2001-2008

ITEM	2008		2007		2006		2005		2004		2003		2002		2001	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
MONTANA TOTAL	12,595	100	12,437	100	12,499	100	11,573	100	11,514	100	11,384	100	11,045	100	10,947	100
SEX																
MALE	6,463	51.3	6,366	51.2	6,444	51.6	5,918	51.1	5,880	51.1	5,797	50.9	5,616	50.8	5,575	50.9
FEMALE	6,132	48.7	6,071	48.8	6,055	48.4	5,655	48.9	5,633	48.9	5,587	49.1	5,429	49.2	5,371	49.1
UNKNOWN	-	-	-	-	-	-	-	-	1	0.0	-	-	-	-	1	0.0
LEGITIMACY																
IN WEDLOCK	7,879	62.6	7,970	64.1	8,000	64.0	7,564	65.4	7,561	65.7	7,717	67.8	7,415	67.1	7,509	68.6
OUT OF WEDLOCK	4,598	36.5	4,456	35.8	4,489	35.9	3,993	34.5	3,938	34.2	3,656	32.1	3,624	32.8	3,429	31.3
NOT STATED	118	0.9	11	0.1	10	0.1	16	0.1	15	0.1	11	0.1	6	0.1	9	0.1
PLURALITY																
SINGLE	12,203	96.9	12,034	96.8	12,092	96.7	11,278	97.5	11,135	96.7	11,072	97.3	10,718	97.0	10,616	97.0
TWINS	370	2.9	397	3.2	388	3.1	286	2.5	359	3.1	305	2.7	317	2.9	299	2.7
TRIPLETS OR MORE	15	0.1	6	0.0	16	0.1	7	0.1	19	0.2	7	0.1	9	0.1	30	0.3
NOT STATED	7	0.1	-	-	3	0.0	2	0.0	1	0.0	-	-	1	0.0	2	0.0
PARITY																
FIRST BIRTH	5,102	40.5	4,952	39.8	4,934	39.5	4,524	39.1	4,446	38.6	4,329	38.0	4,313	39.0	4,162	38.0
SECOND BIRTH	3,858	30.6	3,695	29.7	3,724	29.8	3,538	30.6	3,615	31.4	3,620	31.8	3,556	32.2	3,470	31.7
THIRD BIRTH	2,020	16.0	2,115	17.0	2,150	17.2	1,995	17.2	2,023	17.6	2,013	17.7	1,878	17.0	1,908	17.4
FOURTH BIRTH	892	7.1	961	7.7	984	7.9	898	7.8	868	7.5	814	7.2	763	6.9	792	7.2
FIFTH BIRTH	389	3.1	378	3.0	391	3.1	349	3.0	293	2.5	324	2.8	296	2.7	331	3.0
SIXTH BIRTH	139	1.1	167	1.3	164	1.3	125	1.1	125	1.1	139	1.2	120	1.1	128	1.2
SEVENTH BIRTH	91	0.7	79	0.6	71	0.6	63	0.5	63	0.5	67	0.6	55	0.5	65	0.6
EIGHTH BIRTH	29	0.2	43	0.3	33	0.3	34	0.3	29	0.3	29	0.3	32	0.3	43	0.4
NINTH OR MORE	42	0.3	40	0.3	41	0.3	33	0.3	42	0.4	42	0.4	29	0.3	44	0.4
NOT STATED	33	0.3	7	0.1	7	0.1	14	0.1	10	0.1	7	0.1	3	0.0	4	0.0

*EACH PERCENTAGE HAS BEEN INDEPENDENTLY ROUNDED TO THE NEAREST TENTH OF ONE PERCENT. HENCE, THE SUMS OF PARTS MAY DIFFERENT SLIGHTLY FROM THE TOTALS.

TABLE B-2

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS BY TYPE OF FACILITY OR ATTENDANT
AND BY COUNTY OF OCCURENCE
MONTANA, 2008

COUNTY	TOTAL	BOA* AND IN HOSPITAL		PHYSICIAN NOT IN HOSPITAL		OTHER NOT IN HOSPITAL	
		NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
MONTANA TOTAL	12,551	12,073	96.2	13	0.1	465	3.7
BEAVERHEAD	84	82	97.6	-	-	2	2.4
BIG HORN	209	208	99.5	-	-	1	0.5
BLAINE	2	1	50.0	-	-	1	50.0
BROADWATER	1	-	-	-	-	1	100
CARBON	1	-	-	-	-	1	100
CARTER	-	-	-	-	-	-	-
CASCADE	1,492	1,437	96.3	-	-	55	3.7
CHOUTEAU	2	-	-	-	-	2	100
CUSTER	287	285	99.3	-	-	2	0.7
DANIELS	1	1	100	-	-	-	-
DAWSON	86	86	100	-	-	-	-
DEER LODGE	42	42	100	-	-	-	-
FALLON	-	-	-	-	-	-	-
FERGUS	107	106	99.1	-	-	1	0.9
FLATHEAD	1,269	1,235	97.3	2	0.2	32	2.5
GALLATIN	1,261	1,194	94.7	-	-	67	5.3
GARFIELD	-	-	-	-	-	-	-
GLACIER	253	251	99.2	1	0.4	1	0.4
GOLDEN VALLEY	-	-	-	-	-	-	-
GRANITE	2	-	-	-	-	2	100
HILL	421	418	99.3	-	-	3	0.7
JEFFERSON	1	-	-	-	-	1	100
JUDITH BASIN	1	-	-	-	-	1	100
LAKE	321	313	97.5	-	-	8	2.5
LEWIS & CLARK	875	861	98.4	-	-	14	1.6
LIBERTY	1	-	-	-	-	1	100
LINCOLN	115	100	87.0	-	-	15	13.0
MCCONE	-	-	-	-	-	-	-
MADISON	4	-	-	-	-	4	100
MEAGHER	-	-	-	-	-	-	-
MINERAL	1	-	-	-	-	1	100
MISSOULA	1,780	1,638	92.0	3	0.2	139	7.8
MUSSELSHELL	2	1	50.0	-	-	1	50.0
PARK	170	149	87.6	-	-	21	12.4
PETROLEUM	-	-	-	-	-	-	-
PHILLIPS	-	-	-	-	-	-	-
PONDERA	27	27	100	-	-	-	-
POWDER RIVER	-	-	-	-	-	-	-
POWELL	8	3	37.5	-	-	5	62.5
PRAIRIE	-	-	-	-	-	-	-
RAVALLI	182	145	79.7	-	-	37	20.3
RICHLAND	116	116	100	-	-	-	-
ROOSEVELT	76	76	100	-	-	-	-
ROSEBUD	9	-	-	7	77.8	2	22.2
SANDERS	56	46	82.1	-	-	10	17.9
SHERIDAN	5	5	100	-	-	-	-
SILVER BOW	473	469	99.2	-	-	4	0.8
STILLWATER	1	-	-	-	-	1	100
SWEET GRASS	1	-	-	-	-	1	100
TETON	-	-	-	-	-	-	-
TOOLE	33	33	100	-	-	-	-
TREASURE	-	-	-	-	-	-	-
VALLEY	152	152	100	-	-	-	-
WHEATLAND	-	-	-	-	-	-	-
WIBAUX	-	-	-	-	-	-	-
YELLOWSTONE	2,621	2,593	98.9	-	-	28	1.1
YELLOWSTONE PARK	-	-	-	-	-	-	-
~NOT STATED	-	-	-	-	-	-	-

*BORN ON ARRIVAL

TABLE B-3

FREQUENCY AND PERCENT* DISTRIBUTION OF LIVE BIRTHS BY BIRTHWEIGHT
AND BY COUNTY OF RESIDENCE
MONTANA, 2008

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
MONTANA TOTAL	12,595	65	0.5	79	0.6	787	6.2	10,671	84.7	989	7.9	4	0.0
BEAVERHEAD	89	-	-	1	1.1	6	6.7	79	88.8	3	3.4	-	-
BIG HORN	282	1	0.4	3	1.1	7	2.5	224	79.4	47	16.7	-	-
BLAINE	104	-	-	1	1.0	5	4.8	85	81.7	13	12.5	-	-
BROADWATER	55	-	-	-	-	2	3.6	51	92.7	2	3.6	-	-
CARBON	75	-	-	1	1.3	2	2.7	67	89.3	5	6.7	-	-
CARTER	4	-	-	-	-	-	-	3	75.0	1	25.0	-	-
CASCADE	1,190	4	0.3	9	0.8	81	6.8	997	83.8	98	8.2	1	0.1
CHOUTEAU	41	1	2.4	-	-	2	4.9	35	85.4	3	7.3	-	-
CUSTER	151	-	-	-	-	15	9.9	125	82.8	11	7.3	-	-
DANIELS	15	-	-	-	-	1	6.7	11	73.3	3	20.0	-	-
DAWSON	93	-	-	-	-	6	6.5	83	89.2	4	4.3	-	-
DEER LODGE	79	1	1.3	1	1.3	9	11.4	64	81.0	4	5.1	-	-
FALLON	39	-	-	-	-	4	10.3	32	82.1	3	7.7	-	-
FERGUS	108	-	-	-	-	3	2.8	100	92.6	5	4.6	-	-
FLATHEAD	1,198	9	0.8	2	0.2	59	4.9	1,032	86.1	96	8.0	-	-
GALLATIN	1,256	15	1.2	7	0.6	68	5.4	1,068	85.0	98	7.8	-	-
GARFIELD	22	-	-	-	-	-	-	22	100	-	-	-	-
GLACIER	306	-	-	1	0.3	24	7.8	254	83.0	27	8.8	-	-
GOLDEN VALLEY	6	-	-	-	-	-	-	5	83.3	1	16.7	-	-
GRANITE	16	-	-	1	6.3	1	6.3	13	81.3	1	6.3	-	-
HILL	323	-	-	1	0.3	16	5.0	270	83.6	36	11.1	-	-
JEFFERSON	89	-	-	1	1.1	10	11.2	74	83.1	4	4.5	-	-
JUDITH BASIN	21	-	-	-	-	3	14.3	18	85.7	-	-	-	-
LAKE	417	3	0.7	1	0.2	34	8.2	355	85.1	24	5.8	-	-
LEWIS & CLARK	808	4	0.5	4	0.5	62	7.7	698	86.4	40	5.0	-	-
LIBERTY	19	-	-	-	-	2	10.5	16	84.2	1	5.3	-	-
LINCOLN	181	1	0.6	1	0.6	13	7.2	142	78.5	24	13.3	-	-
MCCONE	17	-	-	-	-	3	17.6	12	70.6	2	11.8	-	-
MADISON	62	-	-	-	-	4	6.5	51	82.3	7	11.3	-	-
MEAGHER	18	-	-	-	-	3	16.7	15	83.3	-	-	-	-
MINERAL	56	-	-	-	-	3	5.4	50	89.3	3	5.4	-	-
MISSOULA	1,280	6	0.5	8	0.6	63	4.9	1,090	85.2	113	8.8	-	-
MUSSELSHELL	47	-	-	1	2.1	2	4.3	41	87.2	3	6.4	-	-
PARK	181	1	0.6	1	0.6	15	8.3	147	81.2	17	9.4	-	-
PETROLEUM	1	-	-	-	-	-	-	1	100	-	-	-	-
PHILLIPS	39	1	2.6	1	2.6	2	5.1	32	82.1	3	7.7	-	-
PONDERA	65	-	-	3	4.6	4	6.2	54	83.1	4	6.2	-	-
POWDER RIVER	8	-	-	-	-	-	-	8	100	-	-	-	-
POWELL	47	-	-	-	-	1	2.1	45	95.7	1	2.1	-	-
PRAIRIE	9	-	-	-	-	1	11.1	7	77.8	1	11.1	-	-
RAVALLI	406	3	0.7	4	1.0	29	7.1	348	85.7	22	5.4	-	-
RICHLAND	131	1	0.8	1	0.8	13	9.9	109	83.2	7	5.3	-	-
ROOSEVELT	209	3	1.4	-	-	14	6.7	156	74.6	36	17.2	-	-
ROSEBUD	169	1	0.6	4	2.4	9	5.3	135	79.9	20	11.8	-	-
SANDERS	118	4	3.4	1	0.8	6	5.1	100	84.7	7	5.9	-	-
SHERIDAN	22	2	9.1	-	-	1	4.5	18	81.8	1	4.5	-	-
SILVER BOW	379	-	-	2	0.5	28	7.4	321	84.7	26	6.9	2	0.5
STILLWATER	103	-	-	-	-	5	4.9	89	86.4	9	8.7	-	-
SWEET GRASS	39	-	-	-	-	3	7.7	32	82.1	4	10.3	-	-
TETON	56	-	-	-	-	5	8.9	45	80.4	5	8.9	1	1.8
TOOLE	42	-	-	-	-	3	7.1	36	85.7	3	7.1	-	-
TREASURE	5	-	-	-	-	-	-	5	100	-	-	-	-
VALLEY	71	1	1.4	-	-	2	2.8	59	83.1	9	12.7	-	-
WHEATLAND	19	-	-	-	-	2	10.5	16	84.2	1	5.3	-	-
WIBAUX	5	-	-	-	-	-	-	5	100	-	-	-	-
YELLOWSTONE	2,001	3	0.1	18	0.9	130	6.5	1,720	86.0	130	6.5	-	-
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-	-	-	-
~NOT STATED	3	-	-	-	-	1	33.3	1	33.3	1	33.3	-	-

*EACH PERCENTAGE HAS BEEN INDEPENDENTLY ROUNDED TO THE NEAREST TENTH OF ONE PERCENT. HENCE, THE SUMS OF PARTS MAY DIFFERENT SLIGHTLY FROM THE TOTALS.

TABLE B-4

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS
BY COMPLETED WEEKS OF GESTATION* AND BY COUNTY OF RESIDENCE
MONTANA, 2008

COUNTY OF RESIDENCE	TOTAL NUMBER	27 OR FEWER WEEKS		28 - 31 WEEKS		32 - 36 WEEKS		37 - 39 WEEKS		40 - 41 WEEKS		42 OR MORE WEEKS		NOT STATED	
		NUM.	PCT.	NUM.	PCT.	NUM.	PCT.	NUM.	PCT.	NUM.	PCT.	NUM.	PCT.	NUM.	PCT.
MONTANA TOTAL	12,595	87	0.7	94	0.7	1,062	8.4	7,422	58.9	3,794	30.1	87	0.7	49	0.4
BEAVERHEAD	89	1	1.1	1	1.1	2	2.2	51	57.3	33	37.1	1	1.1	-	-
BIG HORN	282	2	0.7	2	0.7	14	5.0	138	48.9	124	44.0	2	0.7	-	-
BLAINE	104	-	-	3	2.9	2	1.9	66	63.5	31	29.8	1	1.0	1	1.0
BROADWATER	55	-	-	-	-	6	10.9	33	60.0	16	29.1	-	-	-	-
CARBON	75	-	-	1	1.3	3	4.0	56	74.7	15	20.0	-	-	-	-
CARTER	4	-	-	-	-	-	-	3	75.0	1	25.0	-	-	-	-
CASCADE	1,190	7	0.6	11	0.9	125	10.5	789	66.3	253	21.3	2	0.2	3	0.3
CHOUTEAU	41	1	2.4	-	-	3	7.3	26	63.4	11	26.8	-	-	-	-
CUSTER	151	-	-	1	0.7	10	6.6	103	68.2	36	23.8	1	0.7	-	-
DANIELS	15	-	-	-	-	2	13.3	7	46.7	6	40.0	-	-	-	-
DAWSON	93	-	-	-	-	9	9.7	55	59.1	28	30.1	1	1.1	-	-
DEER LODGE	79	1	1.3	1	1.3	6	7.6	45	57.0	26	32.9	-	-	-	-
FALLON	39	-	-	-	-	7	17.9	27	69.2	5	12.8	-	-	-	-
FERGUS	108	-	-	-	-	6	5.6	56	51.9	44	40.7	2	1.9	-	-
FLATHEAD	1,198	10	0.8	3	0.3	66	5.5	577	48.2	531	44.3	11	0.9	-	-
GALLATIN	1,256	17	1.4	12	1.0	113	9.0	725	57.7	378	30.1	10	0.8	1	0.1
GARFIELD	22	-	-	-	-	1	4.5	19	86.4	2	9.1	-	-	-	-
GLACIER	306	-	-	3	1.0	33	10.8	111	36.3	156	51.0	2	0.7	1	0.3
GOLDEN VALLEY	6	-	-	-	-	-	-	5	83.3	1	16.7	-	-	-	-
GRANITE	16	-	-	1	6.3	2	12.5	12	75.0	1	6.3	-	-	-	-
HILL	323	-	-	1	0.3	21	6.5	213	65.9	87	26.9	1	0.3	-	-
JEFFERSON	89	1	1.1	1	1.1	9	10.1	49	55.1	29	32.6	-	-	-	-
JUDITH BASIN	21	-	-	-	-	5	23.8	11	52.4	5	23.8	-	-	-	-
LAKE	417	10	2.4	2	0.5	46	11.0	256	61.4	98	23.5	2	0.5	3	0.7
LEWIS & CLARK	808	6	0.7	4	0.5	84	10.4	470	58.2	239	29.6	4	0.5	1	0.1
LIBERTY	19	-	-	-	-	2	10.5	14	73.7	3	15.8	-	-	-	-
LINCOLN	181	1	0.6	1	0.6	16	8.8	79	43.6	83	45.9	1	0.6	-	-
MCCONE	17	1	5.9	-	-	2	11.8	8	47.1	6	35.3	-	-	-	-
MADISON	62	-	-	-	-	4	6.5	38	61.3	19	30.6	-	-	1	1.6
MEAGHER	18	-	-	-	-	3	16.7	13	72.2	2	11.1	-	-	-	-
MINERAL	56	-	-	-	-	2	3.6	36	64.3	18	32.1	-	-	-	-
MISSOULA	1,280	6	0.5	10	0.8	108	8.4	744	58.1	384	30.0	5	0.4	23	1.8
MUSSELSHELL	47	-	-	1	2.1	4	8.5	26	55.3	16	34.0	-	-	-	-
PARK	181	-	-	2	1.1	17	9.4	79	43.6	78	43.1	4	2.2	1	0.6
PETROLEUM	1	-	-	-	-	-	-	1	100	-	-	-	-	-	-
PHILLIPS	39	1	2.6	1	2.6	1	2.6	24	61.5	11	28.2	1	2.6	-	-
PONDERA	65	1	1.5	1	1.5	2	3.1	42	64.6	19	29.2	-	-	-	-
POWDER RIVER	8	-	-	-	-	-	-	4	50.0	4	50.0	-	-	-	-
POWELL	47	-	-	-	-	1	2.1	31	66.0	13	27.7	-	-	2	4.3
PRAIRIE	9	-	-	-	-	-	-	6	66.7	3	33.3	-	-	-	-
RAVALLI	406	3	0.7	2	0.5	38	9.4	244	60.1	110	27.1	6	1.5	3	0.7
RICHLAND	131	3	2.3	2	1.5	11	8.4	89	67.9	26	19.8	-	-	-	-
ROOSEVELT	209	3	1.4	1	0.5	25	12.0	110	52.6	58	27.8	12	5.7	-	-
ROSEBUD	169	1	0.6	2	1.2	20	11.8	102	60.4	40	23.7	2	1.2	2	1.2
SANDERS	118	3	2.5	2	1.7	14	11.9	53	44.9	43	36.4	3	2.5	-	-
SHERIDAN	22	1	4.5	1	4.5	1	4.5	11	50.0	8	36.4	-	-	-	-
SILVER BOW	379	-	-	4	1.1	20	5.3	232	61.2	117	30.9	3	0.8	3	0.8
STILLWATER	103	-	-	-	-	5	4.9	68	66.0	29	28.2	-	-	1	1.0
SWEET GRASS	39	-	-	-	-	4	10.3	26	66.7	9	23.1	-	-	-	-
TETON	56	-	-	-	-	10	17.9	32	57.1	12	21.4	1	1.8	1	1.8
TOOLE	42	-	-	1	2.4	3	7.1	23	54.8	15	35.7	-	-	-	-
TREASURE	5	-	-	-	-	-	-	4	80.0	1	20.0	-	-	-	-
VALLEY	71	1	1.4	-	-	4	5.6	44	62.0	20	28.2	1	1.4	1	1.4
WHEATLAND	19	-	-	-	-	-	-	16	84.2	3	15.8	-	-	-	-
WIBAUX	5	-	-	-	-	-	-	1	20.0	4	80.0	-	-	-	-
YELLOWSTONE	2,001	6	0.3	16	0.8	170	8.5	1,316	65.8	484	24.2	8	0.4	1	0.0
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
~NOT STATED	3	-	-	-	-	-	-	3	100	-	-	-	-	-	-

*CLINICAL ESTIMATE OF COMPLETED WEEKS OF GESTATIONAL AGE

TABLE B-5

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS TO MONTANA RESIDENTS
DELIVERED IN MONTANA BY NUMBER OF CHILDREN BORN ALIVE
AND YEARS OF EDUCATION OF MOTHER
MONTANA, 2008

EDUCATION OF MOTHER	TOTAL	NUMBER OF LIVE BORN CHILDREN																					
		ONE		TWO		THREE		FOUR		FIVE		SIX		SEVEN		EIGHT		NINE		TEN OR MORE		NOT STATED	
TOTAL	12,407	5,033	40.6	3,804	30.7	1,987	16.0	879	7.1	386	3.1	134	1.1	89	0.7	29	0.2	17	0.1	25	0.2	24	0.2
NOT STATED	100	44	44.0	23	23.0	16	16.0	8	8.0	2	2.0	3	3.0	2	2.0	-	-	-	-	-	-	2	2.0
LESS THAN EIGTH GRADE	201	58	28.9	41	20.4	35	17.4	28	13.9	14	7.0	7	3.5	7	3.5	7	3.5	-	-	2	1.0	2	1.0
NINTH THROUGH TWELFTH GRADE - NO DIPLOMA	1,551	688	44.4	392	25.3	215	13.9	145	9.3	60	3.9	25	1.6	12	0.8	2	0.1	4	0.3	3	0.2	5	0.3
HIGH SCHOOL GRADUATE OR GED COMPLETED	3,909	1,582	40.5	1,160	29.7	640	16.4	279	7.1	145	3.7	44	1.1	26	0.7	7	0.2	7	0.2	9	0.2	10	0.3
SOME COLLEGE CREDIT, NO GRADUATION	2,544	978	38.4	765	30.1	461	18.1	185	7.3	78	3.1	34	1.3	25	1.0	4	0.2	5	0.2	7	0.3	2	0.1
ASSOCIATE DEGREE	967	336	34.7	344	35.6	170	17.6	77	8.0	25	2.6	6	0.6	6	0.6	2	0.2	-	-	1	0.1	-	-
BACHELOR'S DEGREE	2,391	1,016	42.5	808	33.8	356	14.9	124	5.2	53	2.2	13	0.5	8	0.3	7	0.3	1	0.0	2	0.1	3	0.1
MASTER'S DEGREE	594	261	43.9	211	35.5	80	13.5	29	4.9	8	1.3	1	0.2	3	0.5	-	-	-	-	1	0.2	-	-
DOCTORATE OR PROFESSIONAL DEGREE	150	70	46.7	60	40.0	14	9.3	4	2.7	1	0.7	1	0.7	-	-	-	-	-	-	-	-	-	-

TABLE B-6

MOST POPULAR NAMES

MONTANA RESIDENTS DELIVERED IN MONTANA, 2008

NAME	RANK (BOYS)	COUNT	NAME	RANK (GIRLS)	COUNT
ETHAN	1	64	MADISON	1	63
JACOB	2	58	OLIVIA	2	56
WILLIAM	3	57	EMMA	3	53
WYATT	4	53	ISABELLA	4	49
GABRIEL	5	50	CHLOE	5	47
LOGAN	6	46	SOPHIA	6	45
BRAYDEN	6	46	GRACE	7	44
JAMES	8	45	ELIZABETH	8	43
MICHAEL	9	44	TAYLOR	9	42
NOAH	9	44	AVA	10	40
ANDREW	9	44	ABIGAIL	10	40
HUNTER	12	43	LILLIAN	12	35
AIDEN	12	43	BROOKLYN	13	34
JACKSON	14	42	EMILY	14	33
OWEN	14	42	ADDISON	14	33
SAMUEL	14	42	AVERY	16	29
MASON	17	41	HAILEY	16	29
MATTHEW	18	40	ELLA	18	28
BENJAMIN	18	40	HANNAH	19	27
ISAAC	20	39	KAYLEE	20	26
DYLAN	20	39	LILY	20	26
GAVIN	22	38	NEVAEH	20	26
TYLER	22	38	SARAH	20	26
JOSEPH	24	35	AUBREY	24	25
COOPER	24	35	SAMANTHA	25	23
CALEB	24	35	GRACIE	25	23
ALEXANDER	24	35		.	.

TABULATION DOES NOT ACCOUNT FOR VARIATIONS IN SPELLING.
FOR EXAMPLE, "JEFF" AND "GEOFF" ARE CONSIDERED DIFFERENT NAMES.

TABLE B-7

FREQUENCY OF LIVE BIRTHS BY MONTH PRE-NATAL CARE BEGAN
AND BY COUNTY OF RESIDENCE
MONTANA, 2008

COUNTY	Total	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	No Care	Not Stated
MONTANA TOTAL	12,595	456	3,759	4,439	1,457	653	401	247	190	87	16	98	792
BEAVERHEAD	89	-	7	54	11	8	3	-	-	1	-	1	4
BIG HORN	282	18	55	77	26	34	22	19	14	6	-	9	2
BLAINE	104	3	22	42	19	4	1	6	3	1	-	-	3
BROADWATER	55	3	26	14	7	3	-	1	-	-	-	-	1
CARBON	75	2	28	25	11	4	-	1	1	1	-	1	1
CARTER	4	-	3	1	-	-	-	-	-	-	-	-	-
CASCADE	1,190	30	294	271	92	49	18	14	8	5	-	7	402
CHOUTEAU	41	3	7	4	8	3	-	1	-	-	-	-	15
CUSTER	151	3	69	45	20	4	6	3	-	1	-	-	-
DANIELS	15	1	8	3	2	-	-	-	-	-	-	-	1
DAWSON	93	4	31	38	8	5	4	-	2	-	-	-	1
DEER LODGE	79	2	29	25	11	1	1	3	4	1	-	-	2
FALLON	39	-	16	13	5	2	1	1	1	-	-	-	-
FERGUS	108	4	33	41	11	7	7	2	1	1	-	-	1
FLATHEAD	1,198	36	264	562	166	67	43	20	15	4	2	4	15
GALLATIN	1,256	31	312	626	160	47	33	14	11	3	3	5	11
GARFIELD	22	-	9	8	4	-	-	-	-	-	-	1	-
GLACIER	306	5	62	75	50	21	19	19	18	8	1	11	17
GOLDEN VALLEY	6	-	4	-	1	1	-	-	-	-	-	-	-
GRANITE	16	2	2	8	3	-	1	-	-	-	-	-	-
HILL	323	8	57	115	59	27	22	11	5	6	-	3	10
JEFFERSON	89	4	39	26	10	3	3	3	-	1	-	-	-
JUDITH BASIN	21	-	6	9	1	-	-	-	-	-	1	1	3
LAKE	417	13	132	130	46	29	24	15	7	3	-	6	12
LEWIS & CLARK	808	22	381	239	80	18	15	9	5	4	-	2	33
LIBERTY	19	1	2	7	5	1	-	-	-	-	-	-	3
LINCOLN	181	8	50	50	31	16	10	3	2	5	-	2	4
MCCONE	17	-	8	7	1	-	-	-	-	-	-	1	-
MADISON	62	-	19	22	7	7	-	2	1	1	-	1	2
MEAGHER	18	1	7	-	5	4	-	-	-	-	-	-	1
MINERAL	56	5	15	15	6	8	4	1	1	-	-	-	1
MISSOULA	1,280	102	372	481	112	54	26	23	7	1	4	6	92
MUSSELSHELL	47	1	17	12	7	2	1	3	3	-	-	-	1
PARK	181	8	67	72	20	3	6	1	2	1	-	1	-
PETROLEUM	1	-	-	1	-	-	-	-	-	-	-	-	-
PHILLIPS	39	-	6	14	9	3	2	2	-	2	-	-	1
PONDERA	65	2	11	17	5	5	4	2	3	1	1	2	12
POWDER RIVER	8	-	2	5	-	-	-	1	-	-	-	-	-
POWELL	47	4	16	13	5	2	1	1	-	1	-	1	3
PRAIRIE	9	-	3	3	2	1	-	-	-	-	-	-	-
RAVALLI	406	15	94	138	54	13	11	7	1	3	-	8	62
RICHLAND	131	5	54	45	9	8	3	3	1	-	-	1	2
ROOSEVELT	209	4	41	66	37	17	18	9	8	2	-	4	3
ROSEBUD	169	5	46	44	19	16	9	2	14	3	1	8	2
SANDERS	118	5	43	28	18	8	4	3	1	-	1	-	7
SHERIDAN	22	-	12	4	2	1	2	-	-	-	-	-	1
SILVER BOW	379	10	141	138	35	18	10	7	10	-	-	-	10
STILLWATER	103	4	34	38	12	4	3	1	3	2	-	-	2
SWEET GRASS	39	1	8	17	3	7	2	1	-	-	-	-	-
TETON	56	2	9	13	4	2	-	2	1	-	-	-	23
TOOLE	42	2	13	11	2	3	1	1	-	-	1	-	8
TREASURE	5	-	3	1	1	-	-	-	-	-	-	-	-
VALLEY	71	-	30	25	8	3	2	-	-	-	-	-	3
WHEATLAND	19	2	2	5	5	4	-	-	-	-	-	-	1
WIBAUX	5	-	-	2	-	1	1	1	-	-	-	-	-
YELLOWSTONE	2,001	75	736	693	222	105	58	29	37	19	1	12	14
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-	-	-	-
~NOT STATED	3	-	2	1	-	-	-	-	-	-	-	-	-

MONTH PRENATAL CARE BEGAN IS CALCULATED WITH THE REVISION OF THE BIRTH CERTIFICATE IMPLEMENTED IN 2008;
IT SHOULD NOT BE DIRECTLY COMPARED TO TABULATIONS USING PRIOR REVISIONS.

TABLE D-1

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2008

CAUSE OF DEATH*	ALL AGES			AGE IN YEARS																			
				0 YR.		1 YR.		2-4		5-9		10-14		15-17		18-19		20-24		25-29		30-34	
	Both	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
All Causes	8,897	4,523	4,374	42	45	1	2	4	5	4	7	11	5	12	8	23	3	63	19	62	20	60	29
I. Certain infectious and parasitic diseases	130	66	64	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
__Intestinal infectious diseases	10	4	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____(1) Cholera	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
___Other intestinal infectious diseases	9	4	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
_____(7) Intestinal infections due to other specified organisms	9	4	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
__Tuberculosis	4	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____(9) Respiratory tuberculosis	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____(10) Other tuberculosis	3	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
__Zoonotic and other bacterial diseases	74	33	41	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
____(17) Meningococcal infection	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
____(18) Septicemia	68	30	38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____(19) Other zoonotic and bacterial diseases	4	2	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
__Viral diseases	28	19	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____(33) Herpesviral (herpes simplex) infections	3	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____(34) Zoster (herpes zoster)	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____(38) Viral hepatitis	10	8	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____Human immunodeficiency virus (HIV) disease	9	7	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
_____(39) Human immunodeficiency virus (HIV) disease resulting in infectious and parasitic diseases	4	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
_____(40) Human immunodeficiency virus (HIV) disease resulting in malignant neop1asms	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
_____(41) Human immunodeficiency virus (HIV) disease resulting in other specified diseases	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
_____(42) Human immunodeficiency virus (HIV) disease resulting in other conditions	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
_____(43) Unspecified human immunodeficiency virus (HIV) disease	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____(44) All other and unspecified viral diseases	5	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
__Other and unspecified infectious and parasitic diseases and their sequelae	14	8	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____(45) Mycoses	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____(53) Sequelae of tuberculosis	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____(54) Sequelae of poliomyelitis	7	4	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____(55) All other and unspecified infectious and parasitic diseases and their sequelae	4	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
II. Neoplasms	1,939	1,041	898	-	1	-	-	1	1	1	1	-	-	1	-	-	1	1	1	3	-	-	3
__Malignant neoplasms	1,854	997	857	-	-	-	-	1	1	1	1	-	-	1	-	-	1	1	1	3	-	-	3
____Malignant neoplasms of lip, oral cavity and pharynx	24	15	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
_____(57) Of tongue	9	6	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
_____(58) Of pharynx	10	7	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
_____(59) Of other and unspecified sites within the lip, oral cavity and pharynx	5	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____Malignant neoplasms of digestive organs	414	221	193	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
_____(60) Of esophagus	44	40	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
_____(61) Of stomach	29	17	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
_____(62) Of small intestine	4	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
_____Of colon, rectum and anus	160	73	87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
_____(63) Colon	119	50	69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
_____(64) Rectosigmoid junction and rectum	36	22	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
_____(65) Anus and anal canal	5	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
_____Of liver and intrahepatic bile ducts	41	23	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
_____(66) Liver	29	16	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
_____(67) Intrahepatic bile duct carcinoma	12	7	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
_____(68) Of gallbladder and extrahepatic bile ducts	14	5	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

*LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES IN THE TABLE AT
http://www.dphhs.mt.gov/statisticalinformation/vitalstats/appendix/358causes.pdf

TABLE D-1

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2008

CAUSE OF DEATH*	AGE IN YEARS																					
	35-39		40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80-84		85+	
	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
All Causes	72	31	83	55	145	94	232	120	287	170	315	225	393	273	454	341	530	489	702	611	1,028	1,822
I. Certain infectious and parasitic diseases	1	1	-	2	6	2	12	3	6	1	2	2	4	5	4	10	10	10	7	7	14	19
__Intestinal infectious diseases	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	2	1	1	1	-	1	3
____(1) Cholera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
___Other intestinal infectious diseases	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	2	1	1	1	-	1	2
_____(7) Intestinal infections due to other specified organisms	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	2	1	1	1	-	1	2
__Tuberculosis	-	-	-	1	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	1
____(9) Respiratory tuberculosis	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____(10) Other tuberculosis	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	1
__Zoonotic and other bacterial diseases	-	1	-	1	-	1	5	2	4	-	1	1	1	5	2	6	8	5	3	4	9	13
____(17) Meningococcal infection	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____(18) Septicemia	-	1	-	1	-	1	4	2	3	-	1	1	1	5	2	6	8	5	2	4	9	12
____(19) Other zoonotic and bacterial diseases	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-	1
__Viral diseases	1	-	-	-	6	1	7	1	-	1	1	1	2	-	-	2	-	1	2	1	-	1
____(33) Herpesviral (herpes simplex) infections	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	1	-	-	-
____(34) Zoster (herpes zoster)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
____(38) Viral hepatitis	-	-	-	-	1	-	6	-	-	-	-	1	1	-	-	1	-	-	-	-	-	-
____Human immunodeficiency virus (HIV) disease	1	-	-	-	5	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
_____(39) Human immunodeficiency virus (HIV) disease resulting in infectious and parasitic diseases	-	-	-	-	2	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
_____(40) Human immunodeficiency virus (HIV) disease resulting in malignant neop1asms	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
_____(41) Human immunodeficiency virus (HIV) disease resulting in other specified diseases	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
_____(42) Human immunodeficiency virus (HIV) disease resulting in other conditions	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
_____(43) Unspecified human immunodeficiency virus (HIV) disease	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____(44) All other and unspecified viral diseases	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	1	1	-	1
__Other and unspecified infectious and parasitic diseases and their sequelae	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	1	3	1	2	4	1
____(45) Mycoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-
____(53) Sequelae of tuberculosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
____(54) Sequelae of poliomyelitis	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	2	1	1	2	-
____(55) All other and unspecified infectious and parasitic diseases and their sequelae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	1	1
II. Neoplasms	2	1	7	12	20	22	46	33	76	76	101	95	141	108	143	105	160	128	169	113	169	197
__Malignant neoplasms	2	1	7	12	20	22	44	32	76	75	100	92	139	103	136	103	156	122	156	110	154	178
____Malignant neoplasms of lip, oral cavity and pharynx	-	-	-	-	-	1	1	-	3	-	1	1	2	2	4	1	2	1	2	1	-	2
_____(57) Of tongue	-	-	-	-	-	1	-	-	2	-	-	-	1	-	2	-	1	-	-	1	-	1
_____(58) Of pharynx	-	-	-	-	-	-	1	-	-	-	1	1	1	2	2	-	1	-	1	-	-	-
_____(59) Of other and unspecified sites within the lip, oral cavity and pharynx	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	1	1	-	-	1
____Malignant neoplasms of digestive organs	-	1	1	1	5	5	19	7	14	15	25	17	33	15	35	29	29	27	31	20	29	56
_____(60) Of esophagus	-	-	-	-	1	-	5	-	3	1	4	1	7	-	5	-	7	1	6	1	2	-
_____(61) Of stomach	-	-	1	-	-	-	-	1	-	-	3	2	3	2	1	3	3	-	5	-	1	4
_____(62) Of small intestine	-	-	-	-	-	1	-	-	-	1	-	-	1	-	-	-	-	-	1	-	-	-
_____Of colon, rectum and anus	-	1	-	1	2	4	6	2	4	7	9	6	9	8	15	10	12	11	5	8	11	29
_____(63) Colon	-	1	-	1	-	2	4	2	3	5	7	4	7	5	10	6	8	10	3	8	8	25
_____(64) Rectosigmoid junction and rectum	-	-	-	-	2	1	2	-	1	2	1	1	2	2	5	4	4	1	2	-	3	3
_____(65) Anus and anal canal	-	-	-	-	-	1	-	-	-	-	1	1	-	1	-	-	-	-	-	-	-	1
_____Of liver and intrahepatic bile ducts	-	-	-	-	-	-	2	1	5	1	4	2	4	-	3	2	1	3	1	4	3	5
_____(66) Liver	-	-	-	-	-	-	2	1	4	1	2	2	3	-	2	-	-	2	1	3	2	4
_____(67) Intrahepatic bile duct carcinoma	-	-	-	-	-	-	-	-	1	-	2	-	1	-	1	2	1	1	-	1	1	1
_____(68) Of gallbladder and extrahepatic bile ducts	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	3	1	1	2	1	1	3

*LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES IN THE TABLE AT
http://www.dphhs.mt.gov/statisticalinformation/vitalstats/appendix/358causes.pdf

TABLE D-1

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2008

CAUSE OF DEATH*	ALL AGES			AGE IN YEARS																					
				0 YR.		1 YR.		2-4		5-9		10-14		15-17		18-19		20-24		25-29		30-34			
	Both	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.		
(69) Of pancreas	118	60	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
(70) Of other and ill-defined digestive organs	4	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Malignant neoplasms of respiratory and intrathoracic organs	552	315	237	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
(71) Of nasal cavity, middle ear and accessory sinuses	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
(72) Of larynx	10	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
(73) Of trachea, bronchus and lung	540	303	237	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
(74) Of thymus, heart, mediastinum and pleura	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
(76) Malignant neoplasms of bone and articular cartilage	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-		
Melanoma and other malignant neoplasms of skin	32	23	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
(77) Malignant melanoma of skin	29	21	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
(78) Other malignant neoplasms of skin	3	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Malignant neoplasms of mesothelial and soft tissue	22	11	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
(79) Mesothelioma	10	8	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
(81) Of other mesothelial and soft tissue	12	3	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
(82) Malignant neoplasm of breast	105	2	103	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3		
Malignant neoplasms of female genital organs	91	-	91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
(83) Of vulva and vagina	4	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
(84) Of cervix uteri	9	-	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
(85) Of corpus uteri and uterus, part unspecified	24	-	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
(86) Of ovary	53	-	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
(87) Of other and unspecified female genital organs	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Malignant neoplasms of male genital organs	123	123	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
(89) Of prostate	120	120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
(90) Of testis	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
(91) Of penis and other and unspecified male genital organs	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Malignant neoplasms of urinary tract	93	61	32	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
(92) Of kidney and renal pelvis	42	24	18	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
(93) Of bladder	49	36	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
(94) Of other and unspecified sites within the urinary tract	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
(95) Malignant neoplasm of eye and adnexa	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Malignant neoplasms of meninges, brain and other parts of central nervous system	51	31	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-		
(96) Of brain	51	31	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-		
(98) Malignant neoplasms of thyroid and other endocrine glands	4	-	4	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-		
(99) Other malignant neoplasms of other and unspecified sites	147	76	71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Malignant neoplasms of lymphoid, hematopoietic and related tissue	193	116	77	-	-	-	-	1	1	-	-	-	-	1	-	-	1	-	-	2	-	-	-		
(100) Hodgkin 's disease	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Of other lymphoid, hematopoietic and related tissue	70	43	27	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-		
(101) Non-Hodgkin 's lymphoma	70	43	27	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-		
(103) Malignant immunoproliferative diseases	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
(104) Multiple myeloma and malignant plasma cell neoplasms	37	23	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Leukemia	83	49	34	-	-	-	-	1	1	-	-	-	-	-	-	-	1	-	-	2	-	-	-		
(105) Lymphoid leukemia	28	19	9	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-		
(106) Myeloid leukemia	44	23	21	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-		
(107) Monocytic leukemia	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
(108) Other and unspecified leukemia	10	7	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Benign neoplasms	7	2	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
(112) Of eye, brain and other parts of central nervous system	5	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
(113) Of other and unspecified sites	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

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TABLE D-1

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2008

CAUSE OF DEATH*	AGE IN YEARS																					
	35-39		40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80-84		85+	
	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
(69) Of pancreas	-	-	-	-	2	-	6	3	2	5	5	5	9	5	9	9	5	10	11	6	11	15
(70) Of other and ill-defined digestive organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-	1	-	-	-	-
Malignant neoplasms of respiratory and intrathoracic organs	-	-	3	1	8	8	8	7	24	23	31	20	56	34	44	34	61	41	48	42	32	27
(71) Of nasal cavity, middle ear and accessory sinuses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
(72) Of larynx	-	-	-	-	1	-	-	-	1	-	3	-	3	-	-	-	-	-	2	-	-	-
(73) Of trachea, bronchus and lung	-	-	2	1	7	8	8	7	23	23	28	20	53	34	44	34	61	41	46	42	31	27
(74) Of thymus, heart, mediastinum and pleura	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(76) Malignant neoplasms of bone and articular cartilage	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Melanoma and other malignant neoplasms of skin	-	-	-	-	-	1	-	-	2	-	4	1	3	2	2	-	3	1	2	2	7	2
(77) Malignant melanoma of skin	-	-	-	-	-	1	-	-	2	-	4	1	3	2	2	-	3	1	2	2	5	1
(78) Other malignant neoplasms of skin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1
Malignant neoplasms of mesothelial and soft tissue	-	-	-	-	-	-	-	1	-	1	3	-	3	5	1	1	1	-	2	-	1	3
(79) Mesothelioma	-	-	-	-	-	-	-	-	-	-	3	-	2	1	-	-	1	-	2	-	-	1
(81) Of other mesothelial and soft tissue	-	-	-	-	-	-	-	1	-	1	-	-	1	4	1	1	-	-	-	-	1	2
(82) Malignant neoplasm of breast	-	-	-	4	-	3	-	4	-	13	1	14	-	7	1	14	-	11	-	9	-	21
Malignant neoplasms of female genital organs	-	-	-	3	-	2	-	4	-	14	-	14	-	7	-	7	-	13	-	10	-	17
(83) Of vulva and vagina	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-	2
(84) Of cervix uteri	-	-	-	2	-	1	-	-	-	1	-	-	-	-	-	3	-	2	-	-	-	-
(85) Of corpus uteri and uterus, part unspecified	-	-	-	-	-	1	-	2	-	6	-	2	-	2	-	1	-	3	-	2	-	5
(86) Of ovary	-	-	-	1	-	-	-	2	-	6	-	11	-	5	-	3	-	8	-	7	-	10
(87) Of other and unspecified female genital organs	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Malignant neoplasms of male genital organs	1	-	-	-	-	-	3	-	5	-	4	-	7	-	13	-	20	-	36	-	34	-
(89) Of prostate	-	-	-	-	-	-	2	-	5	-	4	-	7	-	12	-	20	-	36	-	34	-
(90) Of testis	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
(91) Of penis and other and unspecified male genital organs	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malignant neoplasms of urinary tract	1	-	1	-	2	-	2	2	7	1	4	7	8	7	4	2	7	3	8	1	16	9
(92) Of kidney and renal pelvis	1	-	1	-	1	-	1	1	4	-	1	4	5	4	3	2	1	2	3	-	2	5
(93) Of bladder	-	-	-	-	1	-	1	1	3	-	3	3	3	3	1	-	5	1	5	1	14	4
(94) Of other and unspecified sites within the urinary tract	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-
(95) Malignant neoplasm of eye and adnexa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Malignant neoplasms of meninges, brain and other parts of central nervous system	-	-	1	-	1	-	5	2	7	1	1	5	3	7	4	2	4	-	1	2	3	-
(96) Of brain	-	-	1	-	1	-	5	2	7	1	1	5	3	7	4	2	4	-	1	2	3	-
(98) Malignant neoplasms of thyroid and other endocrine glands	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	1	-	-
(99) Other malignant neoplasms of other and unspecified sites	-	-	-	1	2	2	3	3	10	3	9	5	9	10	11	5	10	4	8	12	14	26
Malignant neoplasms of lymphoid, hematopoietic and related tissue	-	-	1	2	2	-	2	2	4	4	17	7	15	6	17	8	18	21	18	10	18	15
(100) Hodgkin 's disease	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-
Of other lymphoid, hematopoietic and related tissue	-	-	-	-	-	-	1	1	1	1	9	2	5	2	8	3	4	7	7	4	7	7
(101) Non-Hodgkin 's lymphoma	-	-	-	-	-	-	1	1	1	1	9	2	5	2	8	3	4	7	7	4	7	7
(103) Malignant immunoproliferative diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
(104) Multiple myeloma and malignant plasma cell neoplasms	-	-	-	-	1	-	1	-	2	-	3	1	3	-	5	3	4	7	2	1	2	2
Leukemia	-	-	1	2	1	-	-	1	1	3	5	3	7	3	4	2	10	7	8	5	9	6
(105) Lymphoid leukemia	-	-	-	-	-	-	-	-	-	-	1	2	3	1	2	1	6	2	1	-	4	2
(106) Myeloid leukemia	-	-	1	1	1	-	-	1	-	3	3	1	4	2	1	1	4	5	5	5	3	1
(107) Monocytic leukemia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
(108) Other and unspecified leukemia	-	-	-	1	-	-	-	-	1	-	1	-	-	-	1	-	-	-	2	-	2	2
Benign neoplasms	-	-	-	-	-	-	-	-	-	-	-	1	-	1	2	-	-	-	-	-	-	3
(112) Of eye, brain and other parts of central nervous system	-	-	-	-	-	-	-	-	-	-	-	1	-	1	1	-	-	-	-	-	-	2
(113) Of other and unspecified sites	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1

*LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES IN THE TABLE AT
http://www.dphhs.mt.gov/statisticalinformation/vitalstats/appendix/358causes.pdf

TABLE D-1

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2008

CAUSE OF DEATH*	ALL AGES			AGE IN YEARS																					
				0 YR.		1 YR.		2-4		5-9		10-14		15-17		18-19		20-24		25-29		30-34	
	Both	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
__(114) Neoplasms of uncertain or unknown behavior of specified sites	68	37	31	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
__(115) Neoplasm of uncertain or unknown behavior of unspecified sites	10	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
III. Diseases of the blood and b1ood-forming organs and certain disorders involving the immune mechanism	35	18	17	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-
__Anemias	21	9	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
____(117) Hemolytic anemias	3	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____(118) Aplastic anemias	5	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
____(119) Acute posthemorrhagic and other anemias	13	3	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
__(120) Coagulation defects, purpura and other hemorrhagic conditions	8	5	3	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
__(121) Other diseases of blood and b1ood-forming organs	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
__(122) Certain disorders involving the immune mechanism	4	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IV. Endocrine, nutritional and metabolic diseases	342	181	161	1	1	-	-	-	1	-	-	-	-	-	-	-	-	2	-	1	-	2	2
__Endocrine diseases	263	143	120	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	2	1
____(123) Disorders of thyroid gland	6	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____(124) Diabetes mellitus	254	142	112	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	2	1
____(128) Other endocrine diseases	3	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
__Nutritional diseases	38	21	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1
____Malnutrition	16	5	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____(130) Other and unspecified ma1nutrition	16	5	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____(131) Other nutritional deficiencies	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____(132) Obesity and other hypera1imentation	20	15	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1
____Metabolic disorders	41	17	24	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____(133) Cystic fibrosis	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____(134) Volume depletion, disorders of fluid, electrolyte and acid-base ba1ance	15	5	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____(135) Other metabolic disorders	25	12	13	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
V. Mental and behavioral disorders	481	175	306	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2
__(137) Other and unspecified organic mental disorders	5	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
__Mental and behavioral disorders due to psychoactive substance use	52	40	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2
____(138) Mental and behavioral disorders due to use of alcohol	47	40	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
____(139) Mental and behavioral disorders due to other psychoactive substance use	5	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
__(140) Schizophrenia, schizotypal and delusional disorders	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
__(141) Mood (affective) disorders	5	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
__(143) Mental retardation	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
__(144) Other and unspecified mental and behavioral disorders	3	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VI. Diseases of the nervous system	525	220	305	1	1	-	-	-	-	-	-	-	-	-	-	2	-	1	-	1	-	1	-
__(145) Meningitis	2	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
__(146) Other inflammatory diseases of central nervous system	7	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
__(147) Parkinson 's disease	84	51	33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
__(148) Alzheimer 's disease	293	93	200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
__(149) Multiple sclerosis	22	7	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
__(150) Epilepsy	8	5	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
__(151) Transient cerebral ischemic attacks and related syndromes	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
__(152) Infantile cerebral palsy	3	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
__(153) All other diseases of nervous system	104	55	49	1	-	-	-	-	-	-	-	-	-	-	-	2	-	1	-	1	-	1	-
(155) VIII. Diseases of the ear and mastoid process	2	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IX. Diseases of the circulatory system	2,610	1,326	1,284	2	-	-	-	1	-	-	-	-	-	-	1	1	-	2	-	4	3	4	2
__Acute rheumatic fever and chronic rheumatic heart diseases	13	4	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
____Chronic rheumatic heart diseases	13	4	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-

*LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES IN THE TABLE AT
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TABLE D-1

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2008

CAUSE OF DEATH*	AGE IN YEARS																					
	35-39		40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80-84		85+	
	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
__(114) Neoplasms of uncertain or unknown behavior of specified sites	-	-	-	-	-	-	1	-	-	1	1	1	2	3	5	2	2	6	12	2	14	15
__(115) Neoplasm of uncertain or unknown behavior of unspecified sites	-	-	-	-	-	-	1	1	-	-	-	1	-	1	-	-	2	-	1	1	1	1
III. Diseases of the blood and b1ood-forming organs and certain disorders involving the immune mechanism	-	-	-	-	2	-	1	1	1	1	-	-	-	-	2	2	5	2	1	1	4	10
__Anemias	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	3	1	1	1	3	9
____(117) Hemolytic anemias	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	1
____(118) Aplastic anemias	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	1	-	-
____(119) Acute posthemorrhagic and other anemias	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	1	-	2	8
__(120) Coagulation defects, purpura and other hemorrhagic conditions	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	1	2	1	-	-	1	-
__(121) Other diseases of blood and b1ood-forming organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1
__(122) Certain disorders involving the immune mechanism	-	-	-	-	1	-	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
IV. Endocrine, nutritional and metabolic diseases	2	2	3	-	7	6	13	5	17	6	13	8	26	10	22	19	24	22	26	21	22	58
__Endocrine diseases	1	1	2	-	5	5	12	5	14	3	13	6	21	10	15	17	18	15	21	18	17	38
____(123) Disorders of thyroid gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	5
____(124) Diabetes mellitus	1	1	2	-	5	5	12	5	14	3	13	5	21	10	15	17	18	15	21	16	16	33
____(128) Other endocrine diseases	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	1	-
__Nutritional diseases	1	-	1	-	2	-	-	-	1	3	-	-	4	-	2	2	3	3	4	2	2	6
____Malnutrition	-	-	-	-	-	-	-	-	-	1	-	-	1	-	1	2	1	2	2	2	-	4
_____(130) Other and unspecified ma1nutrition	-	-	-	-	-	-	-	-	-	1	-	-	1	-	1	2	1	2	2	2	-	4
____(131) Other nutritional deficiencies	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
____(132) Obesity and other hypera1imentation	1	-	1	-	2	-	-	-	1	2	-	-	3	-	1	-	2	1	2	-	1	1
____Metabolic disorders	-	1	-	-	-	1	1	-	2	-	-	2	1	-	5	-	3	4	1	1	3	14
____(133) Cystic fibrosis	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____(134) Volume depletion, disorders of fluid, electrolyte and acid-base ba1ance	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	2	1	-	-	3	8
____(135) Other metabolic disorders	-	-	-	-	-	1	1	-	2	-	-	1	1	-	5	-	1	3	1	1	-	6
V. Mental and behavioral disorders	1	1	3	-	8	4	4	2	12	1	6	4	8	5	11	9	14	9	46	42	60	227
__(137) Other and unspecified organic mental disorders	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	1	2
__Mental and behavioral disorders due to psychoactive substance use	1	1	3	-	8	3	3	2	11	1	5	1	3	1	1	1	2	-	-	-	1	-
____(138) Mental and behavioral disorders due to use of alcohol	1	1	3	-	8	1	3	2	11	1	5	1	3	-	1	1	2	-	-	-	1	-
____(139) Mental and behavioral disorders due to other psychoactive substance use	-	-	-	-	-	2	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
__(140) Schizophrenia, schizotypal and delusional disorders	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
__(141) Mood (affective) disorders	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	4
__(143) Mental retardation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
__(144) Other and unspecified mental and behavioral disorders	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-
VI. Diseases of the nervous system	2	1	3	2	5	3	3	6	7	8	12	7	8	15	23	17	28	39	51	44	72	162
__(145) Meningitis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
__(146) Other inflammatory diseases of central nervous system	-	-	-	-	-	-	1	-	-	-	-	-	1	1	-	-	1	-	2	-	-	1
__(147) Parkinson 's disease	-	-	-	1	-	-	-	-	-	-	1	2	3	-	7	-	8	1	10	13	22	16
__(148) Alzheimer 's disease	-	-	-	-	-	-	-	-	-	-	-	1	1	3	5	10	14	23	27	27	46	136
__(149) Multiple sclerosis	-	-	-	-	-	-	-	1	1	5	3	1	-	1	2	1	1	5	-	-	-	1
__(150) Epilepsy	-	-	-	1	1	1	-	-	2	-	1	-	-	1	-	-	-	-	-	-	1	-
__(151) Transient cerebral ischemic attacks and related syndromes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
__(152) Infantile cerebral palsy	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	1	-	-	-	-
__(153) All other diseases of nervous system	2	1	3	-	4	2	2	5	3	3	7	2	3	9	7	6	4	9	11	4	3	8
(155) VIII. Diseases of the ear and mastoid process	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
IX. Diseases of the circulatory system	6	2	13	5	32	11	65	17	87	26	96	55	137	57	140	86	160	135	203	206	373	678
__Acute rheumatic fever and chronic rheumatic heart diseases	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	1	1	-	4	1	3
____Chronic rheumatic heart diseases	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	1	1	-	4	1	3

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TABLE D-1

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2008

CAUSE OF DEATH*	ALL AGES			AGE IN YEARS																					
				0 YR.		1 YR.		2-4		5-9		10-14		15-17		18-19		20-24		25-29		30-34	
	Both	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
(157) Rheumatic mitral valve diseases	8	2	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
(160) Other chronic rheumatic heart diseases	5	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hypertensive diseases	117	55	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(161) Essential (primary) hypertension	106	51	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(162) Hypertensive heart disease	68	37	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(163) Hypertensive renal disease and secondary hypertension	10	4	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(164) Hypertensive heart and renal disease	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ischemic heart diseases	1,128	706	422	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	1
(165) Acute myocardial infarction	300	185	115	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(166) Other acute ischemic heart diseases	5	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other forms of chronic ischemic heart disease	823	518	305	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	1
(167) Atherosclerotic cardiovascular disease, so described	274	189	85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
(168) All other forms of chronic ischemic heart disease	549	329	220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1
Other heart diseases	765	328	437	2	-	-	-	1	-	-	-	-	-	-	1	1	-	1	-	3	3	2	1
Pulmonary heart disease and diseases of pulmonary circulation	54	26	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1
(169) Pulmonary embolism	26	15	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(170) Other pulmonary heart disease and diseases of pulmonary circulation	28	11	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1
Other non-pulmonary forms of heart disease	711	302	409	2	-	-	-	1	-	-	-	-	-	-	1	1	-	1	-	3	3	-	-
(171) Acute and subacute endocarditis	4	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(172) Diseases of pericardium and acute myocarditis	3	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Other diseases of endocardium	101	47	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(173) Nonrheumatic mitral valve disorders	13	6	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(174) Nonrheunatic aortic valve disorders	58	28	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(175) All other diseases of endocardium	30	13	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(176) Cardiomyopathy	61	34	27	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-
(177) Conduction disorders and cardiac dysrhythmias	197	84	113	-	-	-	-	1	-	-	-	-	-	-	-	1	-	1	-	1	-	-	-
Heart failure	298	113	185	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
(178) Congestive heart failure	258	99	159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
(179) Other and unspecified heart fai1ure	40	14	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(180) Myocarditis, unspecified and myocardial degeneration	1	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
(181) All other and ill-defined forms of heart disease	46	22	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cerebrovascular diseases	454	166	288	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(182) Subarachnoid hemorrhage	22	10	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(183) Intracerebra1 and other intracranial hemorrhage	81	31	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(184) Cerebral infarction	15	6	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(185) Stroke, not specified as hemorrhage or infarction	240	83	157	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(186) Other cerebrovascular diseases and their seque1ae	96	36	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diseases of arteries, arterioles and capi11aries	122	62	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(187) Atherosclerosis	38	23	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(188) Aortic aneurysm and dissection	48	24	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(189) Other diseases of arteries, arterioles and capi11aries	36	15	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other disorders of circulatory system	11	5	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(190) Phlebitis, thrombophlebitis, venous embolism and thrombosis	4	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(191) All other and unspecified disorders of circulatory system	7	4	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
X. Diseases of the respiratory system	1,032	504	528	4	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	1	1
Acute upper respiratory infections	3	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(194) Other and unspecified acute upper respiratory infections	3	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other diseases of the respiratory system	1,029	502	527	3	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	1	1
(195) Inf1uenza	3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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TABLE D-1

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2008

CAUSE OF DEATH*	AGE IN YEARS																					
	35-39		40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80-84		85+	
	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
_____(157) Rheumatic mitral valve diseases	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	3	-	3
_____(160) Other chronic rheumatic heart diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	-	1	1	-
__Hypertensive diseases	1	-	2	1	3	1	1	-	8	1	8	-	2	2	6	5	3	2	6	12	15	38
____(161) Essential (primary) hypertension	1	-	2	1	3	1	1	-	8	1	8	-	2	2	6	5	3	2	5	12	12	31
____(162) Hypertensive heart disease	1	-	1	1	3	1	1	-	7	1	7	-	1	1	5	3	2	-	3	8	6	16
____(163) Hypertensive renal disease and secondary hypertension	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	3	6
____(164) Hypertensive heart and renal disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
__Ischemic heart diseases	3	1	6	3	22	6	48	9	56	7	57	32	93	22	84	34	89	53	91	62	154	192
____(165) Acute myocardial infarction	1	1	1	-	10	2	10	3	14	3	13	8	36	6	26	13	21	10	22	20	31	49
____(166) Other acute ischemic heart diseases	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	1	2
____Other forms of chronic ischemic heart disease	2	-	5	3	12	4	37	6	41	4	44	24	57	16	58	21	68	43	69	42	122	141
_____(167) Atherosclerotic cardiovascular disease, so described	1	-	2	3	8	2	18	5	24	2	27	8	27	8	26	7	23	16	11	10	20	24
_____(168) All other forms of chronic ischemic heart disease	1	-	3	-	4	2	19	1	17	2	17	16	30	8	32	14	45	27	58	32	102	117
__Other heart diseases	1	-	2	1	7	3	8	3	16	12	18	5	26	17	25	19	31	40	65	69	119	263
____Pulmonary heart disease and diseases of pulmonary circulation	-	-	-	-	2	-	1	1	1	1	-	-	6	1	3	2	-	6	5	6	6	10
_____(169) Pulmonary embolism	-	-	-	-	2	-	1	1	1	-	-	-	3	1	3	1	-	4	2	1	3	3
_____(170) Other pulmonary heart disease and diseases of pulmonary circulation	-	-	-	-	-	-	-	-	-	1	-	-	3	-	-	1	-	2	3	5	3	7
____Other non-pulmonary forms of heart disease	1	-	2	1	5	3	7	2	15	11	18	5	20	16	22	17	31	34	60	63	113	253
_____(171) Acute and subacute endocarditis	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	1	-	-	-	-	-	1
_____(172) Diseases of pericardium and acute myocarditis	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
_____Other diseases of endocardium	-	-	-	-	-	-	-	-	1	-	2	2	5	3	1	3	4	3	11	6	23	37
_____(173) Nonrheumatic mitral valve disorders	-	-	-	-	-	-	-	-	-	-	2	-	1	2	-	1	-	1	1	1	2	2
_____(174) Nonrheunatic aortic valve disorders	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	1	3	1	8	2	14	26
_____(175) All other diseases of endocardium	-	-	-	-	-	-	-	-	1	-	-	2	1	1	1	1	1	1	2	3	7	9
____(176) Cardiomyopathy	-	-	2	-	-	-	1	-	4	4	3	1	4	1	1	2	3	3	5	5	7	10
____(177) Conduction disorders and cardiac dysrhythmias	1	-	-	1	3	1	3	-	4	3	8	2	3	5	8	4	7	9	15	18	28	70
____Heart failure	-	-	-	-	-	-	1	1	4	2	2	-	6	4	10	5	13	19	26	29	51	124
_____(178) Congestive heart failure	-	-	-	-	-	-	-	1	4	2	2	-	5	3	9	3	12	16	23	27	44	106
_____(179) Other and unspecified heart fai1ure	-	-	-	-	-	-	1	-	-	-	-	-	1	1	1	2	1	3	3	2	7	18
____(180) Myocarditis, unspecified and myocardial degeneration	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____(181) All other and ill-defined forms of heart disease	-	-	-	-	1	2	2	1	2	1	3	-	2	3	1	2	4	-	3	4	4	11
__Cerebrovascular diseases	1	1	1	-	-	-	5	5	3	6	4	14	12	13	19	20	26	34	27	41	68	154
____(182) Subarachnoid hemorrhage	-	-	1	-	-	-	2	1	-	3	-	2	3	2	1	-	-	-	2	2	1	2
____(183) Intracerebra1 and other intracranial hemorrhage	-	1	-	-	-	-	1	1	1	1	1	4	2	2	6	10	8	6	5	7	7	18
____(184) Cerebral infarction	-	-	-	-	-	-	-	-	1	-	1	-	-	4	1	1	1	-	1	1	1	3
____(185) Stroke, not specified as hemorrhage or infarction	1	-	-	-	-	-	1	3	1	2	1	7	6	3	10	5	7	21	13	26	43	90
____(186) Other cerebrovascular diseases and their seque1ae	-	-	-	-	-	-	1	-	-	-	1	1	1	2	1	4	10	7	6	5	16	41
__Diseases of arteries, arterioles and capi11aries	-	-	2	-	-	-	3	-	4	-	7	3	3	3	5	7	9	5	13	16	16	26
____(187) Atherosclerosis	-	-	-	-	-	-	-	-	2	-	4	1	-	-	4	1	1	1	4	3	8	9
____(188) Aortic aneurysm and dissection	-	-	2	-	-	-	3	-	2	-	2	1	3	1	-	5	5	1	6	9	1	7
____(189) Other diseases of arteries, arterioles and capi11aries	-	-	-	-	-	-	-	-	-	-	1	1	-	2	1	1	3	3	3	4	7	10
__Other disorders of circulatory system	-	-	-	-	-	1	-	-	-	-	1	1	1	-	1	-	1	-	1	2	-	2
____(190) Phlebitis, thrombophlebitis, venous embolism and thrombosis	-	-	-	-	-	1	-	-	-	-	-	1	-	-	1	-	-	-	-	1	-	-
____(191) All other and unspecified disorders of circulatory system	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	1	-	1	1	-	2
X. Diseases of the respiratory system	2	-	2	2	4	5	15	13	22	12	31	17	20	34	59	65	74	89	111	92	159	195
__Acute upper respiratory infections	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1
____(194) Other and unspecified acute upper respiratory infections	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1
__Other diseases of the respiratory system	2	-	2	2	4	5	15	13	22	12	30	17	20	34	59	65	74	89	111	92	159	194
____(195) Inf1uenza	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	2	-	-

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FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2008

CAUSE OF DEATH*	ALL AGES			AGE IN YEARS																					
				0 YR.		1 YR.		2-4		5-9		10-14		15-17		18-19		20-24		25-29		30-34	
	Both	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
Pneumonia	167	76	91	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-
(196) Viral pneumonia, not elsewhere c1assified	3	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(197) Bacterial pneumonia	5	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(198) Pneumonia due to other or unspecified organisms	159	71	88	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Other acute lower respiratory infections	2	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(199) Acute bronchitis and bronchiolitis	2	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(201) Other diseases of upper respiratory tract	3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chronic lower respiratory diseases	688	343	345	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Bronchitis, chronic and unspecified, emphysema and asthma	687	343	344	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
(204) Emphysema	51	19	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(205) Other chronic obstructive pulmonary disease	627	319	308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
(206) Asthma	9	5	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
(207) Bronchiectasis	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lung diseases due to external agents	63	25	38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(208) Pneumoconioses and chemical effects	6	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pneumonitis due to solids and liquids	57	20	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(209) Pneumonitis due to food and vomit	57	20	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(212) Suppurative and necrotic conditions of lower respiratory tract	4	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(213) Pleural effusion and plaque	4	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(214) All other diseases of respiratory system	95	53	42	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
XI. Diseases of the digestive system	367	188	179	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	4	2
(215) Diseases of oral cavity, salivary glands and jaws	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diseases of other parts of digestive system	365	187	178	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	4	2
(216) Diseases of esophagus	9	6	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Peptic ulcer	10	3	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(217) Gastric ulcer	5	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(218) Duodenal ulcer	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(219) Peptic ulcer, site unspecified	4	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(222) Dyspepsia and other diseases of stomach and duodenum	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(224) Hernia	8	3	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(225) Crohn 's disease and ulcerative colitis	6	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(226) Vascular disorders and obstruction of intestine without hernia	64	29	35	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(227) Diverticular disease of intestine	12	3	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(228) Other diseases of intestines and peritoneum	16	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(229) Diseases of peritoneum	7	2	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diseases of liver	173	97	76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	4	2
(230) Alcoholic liver disease	92	53	39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	2
(232) Fibrosis and cirrhosis of liver	44	23	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
(233) Other diseases of liver	37	21	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
(234) Cholelithiasis and other disorders of gallbladder	11	6	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Disorders of biliary tract and pancreas	18	13	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(235) Pancreatitis	12	10	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(236) Other disorders of biliary tract and pancreas	6	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(237) All other diseases of digestive system	29	12	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
XII. Diseases of the skin and subcutaneous tissue	13	5	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(238) Infections of skin and subcutaneous tissue	7	4	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(239) Other and unspecified diseases of skin and subcutaneous tissue	6	1	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
XIII. Diseases of the musculoskeletal system and connective tissue	98	21	77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-

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MONTANA RESIDENTS, 2008

CAUSE OF DEATH*	AGE IN YEARS																					
	35-39		40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80-84		85+	
	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
____Pneumonia	-	-	-	1	1	1	4	2	2	2	4	1	-	2	5	5	10	7	13	12	34	57
_____(196) Viral pneumonia, not elsewhere c1assified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-
_____(197) Bacterial pneumonia	-	-	-	1	-	-	1	-	-	-	1	-	-	-	-	-	-	-	1	-	-	1
_____(198) Pneumonia due to other or unspecified organisms	-	-	-	-	1	1	3	2	2	2	3	1	-	2	5	5	10	7	12	11	33	56
____Other acute lower respiratory infections	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
_____(199) Acute bronchitis and bronchiolitis	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____(201) Other diseases of upper respiratory tract	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	1
____Chronic lower respiratory diseases	-	-	2	-	2	2	6	9	17	10	19	11	18	30	45	53	49	65	84	67	101	96
_____Bronchitis, chronic and unspecified, emphysema and asthma	-	-	2	-	2	2	6	9	17	10	19	11	18	30	45	53	49	65	84	67	101	95
_____(204) Emphysema	-	-	1	-	-	-	1	3	3	1	-	1	-	5	4	6	1	4	5	6	4	6
_____(205) Other chronic obstructive pulmonary disease	-	-	-	-	1	2	4	5	14	8	19	10	18	25	40	47	48	61	79	60	96	89
_____(206) Asthma	-	-	1	-	1	-	1	1	-	1	-	-	-	-	1	-	-	-	-	1	1	-
_____(207) Bronchiectasis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
____Lung diseases due to external agents	-	-	-	-	-	-	2	-	-	-	1	3	-	1	2	1	6	6	4	4	10	23
_____(208) Pneumoconioses and chemical effects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	-	2	-	-	1
_____Pneumonitis due to solids and liquids	-	-	-	-	-	-	2	-	-	-	1	3	-	1	1	1	4	6	2	4	10	22
_____(209) Pneumonitis due to food and vomit	-	-	-	-	-	-	2	-	-	-	1	3	-	1	1	1	4	6	2	4	10	22
____(212) Suppurative and necrotic conditions of lower respiratory tract	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	1	-	-	-	1	-
____(213) Pleural effusion and plaque	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2
____(214) All other diseases of respiratory system	2	-	-	-	1	2	3	1	3	-	6	1	2	1	6	5	8	10	10	6	12	15
XI. Diseases of the digestive system	6	3	9	6	11	10	16	17	20	12	17	10	21	18	17	11	16	15	24	23	25	50
__(215) Diseases of oral cavity, salivary glands and jaws	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
__Diseases of other parts of digestive system	6	3	9	6	11	10	16	17	20	12	17	10	21	18	17	11	16	15	24	23	24	49
____(216) Diseases of esophagus	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	1	-	2	-	1	3
____Peptic ulcer	-	-	-	-	-	-	-	-	-	-	-	-	1	3	-	1	-	-	1	-	1	3
_____(217) Gastric ulcer	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	-	-	1	-	-	1
_____(218) Duodenal ulcer	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
_____(219) Peptic ulcer, site unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	2
____(222) Dyspepsia and other diseases of stomach and duodenum	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-
____(224) Hernia	-	-	-	-	-	1	-	1	-	-	-	-	1	-	-	-	1	1	-	1	1	1
____(225) Crohn 's disease and ulcerative colitis	-	-	-	-	1	-	-	-	1	-	-	-	1	1	-	-	-	-	-	2	-	-
____(226) Vascular disorders and obstruction of intestine without hernia	-	-	-	1	-	1	-	-	2	-	-	1	3	4	2	3	2	3	10	6	9	16
____(227) Diverticular disease of intestine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	1	3	-	-	1	4
____(228) Other diseases of intestines and peritoneum	1	-	-	-	-	-	-	-	-	2	-	-	1	-	3	-	-	1	2	3	1	2
____(229) Diseases of peritoneum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	2	1	2
____Diseases of liver	4	3	6	5	8	8	16	16	15	8	14	8	11	9	7	3	6	5	2	3	3	4
_____(230) Alcoholic liver disease	4	3	5	4	5	6	10	12	9	4	7	6	5	1	3	-	2	-	-	-	-	-
_____(232) Fibrosis and cirrhosis of liver	-	-	-	-	1	2	3	2	4	1	5	1	2	3	4	2	1	4	1	2	2	3
_____(233) Other diseases of liver	-	-	1	1	2	-	3	2	2	3	2	1	4	5	-	1	3	1	1	1	1	1
____(234) Cholelithiasis and other disorders of gallbladder	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	2	-	2	2	1	2
____Disorders of biliary tract and pancreas	1	-	2	-	1	-	-	-	1	-	2	-	-	1	1	1	-	-	3	-	2	3
_____(235) Pancreatitis	1	-	2	-	1	-	-	-	1	-	1	-	-	1	-	-	-	-	3	-	1	1
_____(236) Other disorders of biliary tract and pancreas	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	1	-	-	-	-	1	2
____(237) All other diseases of digestive system	-	-	1	-	-	-	-	-	1	2	1	-	1	-	1	-	2	2	2	4	3	9
XII. Diseases of the skin and subcutaneous tissue	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	2	1	3	6
__(238) Infections of skin and subcutaneous tissue	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	2	2
__(239) Other and unspecified diseases of skin and subcutaneous tissue	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	4
XIII. Diseases of the musculoskeletal system and connective tissue	-	-	-	-	-	-	1	-	-	2	2	6	1	3	5	3	4	13	3	18	5	31

*LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES IN THE TABLE AT
http://www.dphhs.mt.gov/statisticalinformation/vitalstats/appendix/358causes.pdf

TABLE D-1

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2008

CAUSE OF DEATH*	ALL AGES			AGE IN YEARS																					
				0 YR.		1 YR.		2-4		5-9		10-14		15-17		18-19		20-24		25-29		30-34	
	Both	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
__(240) Rheumatoid arthritis and related inflammatory polyarthropathies	23	3	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
__(241) Systemic lupus erythematosus	5	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
__(242) Other arthropathies and related disorders	20	6	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
__(243) Dorsopathies	8	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
__(244) Soft tissue disorders	6	1	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
__Osteopathies, chondropathies and other disorders of musculoskeletal system and connective tissue	35	7	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____(245) Osteoporosis	26	2	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____(246) Other osteopathies, chondropathies and disorders of musculoskeletal system and connective tissue	9	5	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
XIV. Diseases of the genitourinary system	203	90	113	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
__Diseases of urinary system	199	87	112	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
____Glomerular and renal tubulo-interstitial diseases	17	8	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
_____Glomerular diseases	13	7	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
_____(249) Other and unspecified glomerular diseases	13	7	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
_____(250) Renal tubulo-interstitial diseases	4	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____(251) Renal failure	140	66	74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____(252) Urolithiasis	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____(254) Urinary tract infection, site not specified	37	10	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____(255) Other diseases of urinary system	4	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
__Diseases of male genital organs	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____(256) Hyperplasia of prostate	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
__Disorders of female genital organs	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____(260) Noninflammatory disorders of female genital tract	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
XV. Pregnancy, childbirth and the puerperium	3	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-
__Other direct obstetric deaths	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____(270) All other direct obstetric causes	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
__(272) Other deaths related to pregnancy, childbirth and the puerperium	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-
XVI. Certain conditions originating in the perinatal period	27	12	15	12	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
__(274) Newborn affected by maternal factors and by complications of pregnancy, labor and delivery	4	3	1	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
__(275) Disorders related to short gestation and low birth weight, not elsewhere classified	7	1	6	1	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
__(278) Respiratory distress of newborn	2	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
__(279) Other respiratory conditions originating in the perinatal period	2	-	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
__(280) Infections specific to the perinatal period	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
__(281) Other and unspecified conditions originating in the perinatal period	11	5	6	5	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
XVII. Congenital malformations, deformations and chromosomal abnormalities	36	19	17	10	11	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-
__(284) All other congenital malformations of nervous system	4	2	2	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
__(285) Congenital malformations of heart	11	6	5	4	5	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
__(286) Other congenital malformations of circulatory system	1	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
__(288) Other congenital malformations and deformations	12	6	6	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
__(289) Down 's syndrome	5	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
__(290) All other chromosomal abnormalities, not elsewhere classified	3	1	2	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
XVIII. Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	192	77	115	9	13	-	1	-	-	-	1	-	-	1	-	-	-	2	-	-	-	-	-
__(291) Senility	46	14	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ill-defined and unknown causes of mortality	68	34	34	9	13	-	1	-	-	-	1	-	-	1	-	-	-	1	-	-	-	-	-
____(292) Sudden infant death syndrome	11	5	6	5	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____(293) Other ill-defined and unknown causes of mortality	57	29	28	4	7	-	1	-	-	-	1	-	-	1	-	-	-	1	-	-	-	-	-

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TABLE D-1

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2008

CAUSE OF DEATH*	AGE IN YEARS																					
	35-39		40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80-84		85+	
	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
__(240) Rheumatoid arthritis and related inflammatory polyarthropathies	-	-	-	-	-	-	-	-	-	1	-	3	-	1	-	2	1	2	1	6	1	5
__(241) Systemic lupus erythematosus	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	2	-	1	-	-
__(242) Other arthropathies and related disorders	-	-	-	-	-	-	1	-	-	1	1	1	-	1	2	1	2	4	-	3	-	3
__(243) Dorsopathies	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	-	1	1	1	-	-	2
__(244) Soft tissue disorders	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	2	-	1
__Osteopathies, chondropathies and other disorders of musculoskeletal system and connective tissue	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	2	1	6	4	20
____(245) Osteoporosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	3	2	19
____(246) Other osteopathies, chondropathies and disorders of musculoskeletal system and connective tissue	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	1	3	2	1
XIV. Diseases of the genitourinary system	1	-	-	1	-	1	1	1	1	2	3	7	4	7	6	3	12	9	25	13	37	68
__Diseases of urinary system	1	-	-	1	-	1	1	1	1	2	3	7	4	7	6	3	12	9	24	13	35	67
____Glomerular and renal tubulo-interstitial diseases	-	-	-	1	-	-	-	-	-	-	1	-	-	1	-	1	1	-	2	1	4	4
_____Glomerular diseases	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	1	-	-	2	-	4	3
_____(249) Other and unspecified glomerular diseases	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	1	-	-	2	-	4	3
_____(250) Renal tubulo-interstitial diseases	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	1
____(251) Renal failure	1	-	-	-	-	1	1	-	-	2	2	6	3	4	4	1	10	8	19	11	26	41
____(252) Urolithiasis	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
____(254) Urinary tract infection, site not specified	-	-	-	-	-	-	-	1	1	-	-	1	-	1	1	1	1	1	2	1	5	21
____(255) Other diseases of urinary system	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	1	-	-	1
__Diseases of male genital organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	-
____(256) Hyperplasia of prostate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	-
__Disorders of female genital organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
____(260) Noninflammatory disorders of female genital tract	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
XV. Pregnancy, childbirth and the puerperium	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
__Other direct obstetric deaths	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____(270) All other direct obstetric causes	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
__(272) Other deaths related to pregnancy, childbirth and the puerperium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
XVI. Certain conditions originating in the perinatal period	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
__(274) Newborn affected by maternal factors and by complications of pregnancy, labor and delivery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
__(275) Disorders related to short gestation and low birth weight, not elsewhere classified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
__(278) Respiratory distress of newborn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
__(279) Other respiratory conditions originating in the perinatal period	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
__(280) Infections specific to the perinatal period	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
__(281) Other and unspecified conditions originating in the perinatal period	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
XVII. Congenital malformations, deformations and chromosomal abnormalities	-	-	1	-	1	-	1	1	1	2	2	1	-	-	1	1	1	-	-	-	-	-
__(284) All other congenital malformations of nervous system	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
__(285) Congenital malformations of heart	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
__(286) Other congenital malformations of circulatory system	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
__(288) Other congenital malformations and deformations	-	-	1	-	-	-	1	1	-	1	-	-	-	-	-	1	1	-	-	-	-	-
__(289) Down 's syndrome	-	-	-	-	-	-	-	-	1	1	2	-	-	-	1	-	-	-	-	-	-	-
__(290) All other chromosomal abnormalities, not elsewhere classified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
XVIII. Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	2	-	4	2	2	1	4	1	2	1	2	1	1	1	3	-	5	5	8	12	32	76
__(291) Senility	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	2	12	30
Ill-defined and unknown causes of mortality	2	-	2	2	1	1	3	-	1	1	-	-	1	-	2	-	1	2	2	-	8	13
____(292) Sudden infant death syndrome	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____(293) Other ill-defined and unknown causes of mortality	2	-	2	2	1	1	3	-	1	1	-	-	1	-	2	-	1	2	2	-	8	13

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TABLE D-1

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2008

CAUSE OF DEATH*	ALL AGES			AGE IN YEARS																					
				0 YR.		1 YR.		2-4		5-9		10-14		15-17		18-19		20-24		25-29		30-34	
	Both	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
__(294)All other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	78	29	49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
XX. External causes of mortality	862	577	285	1	1	1	1	2	2	3	5	10	5	10	7	20	2	52	16	52	13	46	15
__Accidents (unintentional injuries)	590	373	217	1	1	1	-	2	2	3	5	8	2	8	5	13	2	32	10	33	10	17	11
____Transport accidents	233	160	73	1	-	-	-	1	1	1	4	6	1	6	5	8	2	20	7	22	7	9	7
_____(295) Railway accidents	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
_____Motor vehicle accidents	215	145	70	1	-	-	-	1	-	1	4	6	1	5	5	8	2	19	7	20	7	9	7
_____(296) Pedestrian involved in collision with motor vehicle	11	6	5	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	2	-	-	-
_____(297) Pedalcyclist involved in collision with motor vehicle	3	2	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
_____(298) Motorcyclist involved in any accident except collision with railway train	27	21	6	-	-	-	-	-	-	-	-	1	-	-	-	1	-	2	-	2	-	3	1
_____Motor vehicle accident involving collision with railway train	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
_____(300) Other motor vehicle accident involving collision with railway train	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
_____(301) Occupant of motor vehicle involved in collision with other (non-motorized) road vehicle, streetcar, animal or pedestrian	29	22	7	-	-	-	-	-	-	1	-	2	1	3	-	2	-	1	2	5	1	-	1
_____(302) Occupant of car, pickup truck or van involved in collision with other motor vehicle	57	36	21	-	-	-	-	-	-	-	2	-	-	-	2	2	1	4	4	3	2	1	2
_____(303) Occupant of heavy transport vehicle or bus involved in collision with other motor vehicle	3	2	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
_____(304) Occupant of motor vehicle involved in noncollision accident	55	35	20	1	-	-	-	-	-	-	-	-	-	2	1	3	1	7	-	6	2	4	3
_____(305) Occupant of special-use motor vehicle involved in any accident	9	7	2	-	-	-	-	-	-	-	-	2	-	-	-	-	-	1	1	-	-	-	-
_____(306) Other and unspecified motor vehicle accidents	20	14	6	-	-	-	-	1	-	-	-	1	-	-	1	-	-	3	-	2	2	1	-
_____(308) Other and unspecified land transport accidents	1	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
_____(309) Water transport accidents	6	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
_____(310) Air and space transport accidents	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-
_____(311) Other and unspecified transport accidents and their sequelae	3	2	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
____Falls	133	73	60	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-	3	-	-	-
_____(312) Fall on same level	64	32	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
_____(313) Fall from one level to another	25	22	3	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
_____(314) Unspecified fall	44	19	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
____(315) Accidental discharge of firearms	4	2	2	-	-	-	-	-	1	-	-	-	1	-	-	1	-	1	-	-	-	-	-
____(317) Accidental drowning and submersion	19	17	2	-	-	1	-	-	-	1	-	1	-	-	-	-	-	1	-	3	-	-	-
____(318) Accidental inhalation and ingestion of food or other objects causing obstruction of respiratory tract	18	9	9	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	1
____(319) Other accidental and unspecified threats to breathing	7	5	2	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
____(320) Accidental exposure to electric current	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____(322) Accidental exposure to smoke, fire and flames	8	6	2	-	-	-	-	-	-	1	1	-	-	-	-	-	-	1	-	1	-	-	-
____(325) Earthquake, volcanic eruption, avalanche landslide and other earth movements	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-
____Accidental poisoning and exposure to noxious substances	114	66	48	-	-	-	-	-	-	-	-	-	-	1	-	1	-	5	3	4	3	8	3
_____(327) Accidental poisoning by and exposure to drugs and other biological substances	95	56	39	-	-	-	-	-	-	-	-	-	-	-	-	1	-	4	2	3	3	8	2
_____(328) Accidental poisoning by and exposure to other and unspecified solid or liquid substances	15	6	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	-	-	1
_____(329) Accidental poisoning by and exposure to other gases and vapors	4	4	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
____(330) All other and unspecified accidents and their sequelae	50	32	18	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	-	-	-	-	-
__Intentional self-harm (suicide)	202	160	42	-	-	-	-	-	-	-	-	1	3	2	2	4	-	16	4	18	1	22	1

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TABLE D-1

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2008

CAUSE OF DEATH*	AGE IN YEARS																					
	35-39		40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80-84		85+	
	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
__(294)All other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	-	-	2	-	1	-	1	1	1	-	2	1	-	1	1	-	3	3	5	10	12	33
XX. External causes of mortality	47	20	38	23	47	29	50	19	35	20	28	12	22	9	17	10	17	13	26	18	53	45
__Accidents (unintentional injuries)	25	14	29	18	25	17	34	16	23	11	19	8	14	8	11	7	12	11	19	18	44	41
____Transport accidents	13	8	10	7	10	5	16	3	7	5	10	3	6	1	6	-	-	3	2	3	6	1
_____(295) Railway accidents	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
_____Motor vehicle accidents	10	8	6	7	9	5	15	3	7	5	9	2	5	1	6	-	-	2	2	3	6	1
_____(296) Pedestrian involved in collision with motor vehicle	-	-	-	1	-	-	-	-	1	1	-	-	-	1	-	-	-	-	-	1	2	-
_____(297) Pedalcyclist involved in collision with motor vehicle	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
_____(298) Motorcyclist involved in any accident except collision with railway train	1	-	2	2	2	-	4	2	1	-	1	1	1	-	-	-	-	-	-	-	-	-
_____Motor vehicle accident involving collision with railway train	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
_____(300) Other motor vehicle accident involving collision with railway train	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
_____(301) Occupant of motor vehicle involved in collision with other (non-motorized) road vehicle, streetcar, animal or pedestrian	2	-	-	1	-	-	2	-	-	1	2	-	1	-	1	-	-	-	-	-	-	-
_____(302) Occupant of car, pickup truck or van involved in collision with other motor vehicle	1	1	4	1	3	1	4	1	2	1	2	1	2	-	2	-	-	-	2	2	4	-
_____(303) Occupant of heavy transport vehicle or bus involved in collision with other motor vehicle	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
_____(304) Occupant of motor vehicle involved in noncollision accident	4	4	-	1	2	4	4	-	1	2	-	-	-	-	1	-	-	1	-	-	-	1
_____(305) Occupant of special-use motor vehicle involved in any accident	1	1	-	-	-	-	-	-	2	-	-	-	1	-	-	-	-	-	-	-	-	-
_____(306) Other and unspecified motor vehicle accidents	1	1	-	1	1	-	-	-	-	-	2	-	-	-	2	-	-	1	-	-	-	-
_____(308) Other and unspecified land transport accidents	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
_____(309) Water transport accidents	1	-	1	-	1	-	1	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-
_____(310) Air and space transport accidents	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
_____(311) Other and unspecified transport accidents and their sequelae	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-
____Falls	2	-	2	2	2	-	3	3	4	-	5	3	4	4	3	3	5	4	11	12	27	29
_____(312) Fall on same level	1	-	1	-	1	-	-	3	2	-	1	1	-	3	1	3	4	1	7	6	13	15
_____(313) Fall from one level to another	1	-	1	-	1	-	2	-	2	-	3	1	2	-	2	-	-	1	1	1	5	-
_____(314) Unspecified fall	-	-	-	2	-	-	1	-	-	-	1	1	2	1	-	-	1	2	3	5	9	14
____(315) Accidental discharge of firearms	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____(317) Accidental drowning and submersion	-	-	2	-	1	1	1	1	2	-	1	-	1	-	2	-	-	-	-	-	-	-
____(318) Accidental inhalation and ingestion of food or other objects causing obstruction of respiratory tract	-	-	-	-	2	1	-	-	-	1	-	-	1	-	-	2	-	1	1	-	3	3
____(319) Other accidental and unspecified threats to breathing	-	1	-	-	-	-	1	-	1	-	1	-	-	-	-	-	-	-	1	-	-	-
____(320) Accidental exposure to electric current	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
____(322) Accidental exposure to smoke, fire and flames	-	-	-	-	1	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-
____(325) Earthquake, volcanic eruption, avalanche landslide and other earth movements	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____Accidental poisoning and exposure to noxious substances	8	4	13	8	8	10	10	8	7	3	-	-	-	3	-	1	-	2	-	-	1	-
_____(327) Accidental poisoning by and exposure to drugs and other biological substances	7	3	11	7	7	10	9	6	5	2	-	-	-	3	-	-	-	1	-	-	1	-
_____(328) Accidental poisoning by and exposure to other and unspecified solid or liquid substances	-	1	2	1	1	-	-	2	1	1	-	-	-	-	-	1	-	1	-	-	-	-
_____(329) Accidental poisoning by and exposure to other gases and vapors	1	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
____(330) All other and unspecified accidents and their sequelae	1	1	2	1	1	-	2	1	2	1	2	1	2	-	-	1	7	1	4	3	6	8
__Intentional self-harm (suicide)	16	5	7	4	15	7	13	2	10	8	8	2	6	1	4	1	5	-	6	-	7	1

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TABLE D-1

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2008

CAUSE OF DEATH*	ALL AGES			AGE IN YEARS																					
				0 YR.		1 YR.		2-4		5-9		10-14		15-17		18-19		20-24		25-29		30-34	
	Both	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
____(331) Intentional self-poisoning (suicide) by and exposure to drugs and other biological substances	26	13	13	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	1	1	1	1	-
____(332) Intentional self-poisoning (suicide) by and exposure to other and unspecified solid or liquid substances and their vapors	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-
____(333) Intentional self-poisoning (suicide) by and exposure to other gases and vapors	8	7	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	-
____(334) Intentional self-harm (suicide) by hanging, strangulation and suffocation	24	19	5	-	-	-	-	-	-	-	-	1	1	-	-	2	-	1	2	1	-	2	-
____(335) Intentional self-harm (suicide) by discharge of firearms	132	111	21	-	-	-	-	-	-	-	-	-	1	2	2	2	-	13	1	14	-	15	1
____(336) Intentional self-harm (suicide) by jumping from a high place	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____(337) Intentional self-harm (suicide) by all other and unspecified means and their sequelae	9	8	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-
__Assault (homicide)	39	27	12	-	-	-	1	-	-	-	-	1	-	-	-	3	-	2	2	-	1	6	2
____(338) Assault (homicide) by drugs, biological substances and other and unspecified noxious substances	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____(339) Assault (homicide) by hanging, strangulation and suffocation	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
____(340) Assault (homicide) by discharge of firearms	16	8	8	-	-	-	1	-	-	-	-	1	-	-	-	2	-	1	1	-	1	-	1
____(341) Assault (homicide) by sharp object	10	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	4	-
____(346) Assault (homicide) by all other and unspecified means and their sequelae	10	7	3	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	2	-
__Event of undetermined intent	18	11	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	1	1	1	1
____(347) Poisoning by and exposure to drugs and biological substances, undetermined intent	11	5	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1
____(350) Discharge of firearms, undetermined intent	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
____(351) Falling, jumping or pushed from a high place, undetermined intent	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____(352) All other and unspecified events of undetermined intent and their sequelae	5	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	1	-
__Legal intervention	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____354 Other legal intervention and their sequelae	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
__(355) Operations of war and their sequelae	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
__Complications of medical and surgical care	10	3	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____(356) Drugs, medicaments and biological substances causing adverse effects in therapeutic use, and their sequelae	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____(358) Other complications of medical and surgical care and their sequelae	9	3	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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TABLE D-1

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2008

CAUSE OF DEATH*	AGE IN YEARS																					
	35-39		40-44		45-49		50-54		55-59		60-64		65-69		70-74		75-79		80-84		85+	
	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
____(331) Intentional self-poisoning (suicide) by and exposure to drugs and other biological substances	-	2	-	2	5	2	2	-	1	3	1	-	-	1	-	-	1	-	-	-	-	-
____(332) Intentional self-poisoning (suicide) by and exposure to other and unspecified solid or liquid substances and their vapors	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____(333) Intentional self-poisoning (suicide) by and exposure to other gases and vapors	1	-	1	-	-	-	1	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-
____(334) Intentional self-harm (suicide) by hanging, strangulation and suffocation	3	1	2	-	3	-	-	-	2	-	2	-	-	-	-	-	-	-	-	-	-	1
____(335) Intentional self-harm (suicide) by discharge of firearms	10	2	3	1	7	5	9	2	7	4	5	1	6	-	3	1	3	-	5	-	7	-
____(336) Intentional self-harm (suicide) by jumping from a high place	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
____(337) Intentional self-harm (suicide) by all other and unspecified means and their sequelae	2	-	1	1	-	-	1	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
__Assault (homicide)	4	1	-	1	6	2	2	-	1	-	-	1	2	-	-	-	-	-	-	-	-	1
____(338) Assault (homicide) by drugs, biological substances and other and unspecified noxious substances	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____(339) Assault (homicide) by hanging, strangulation and suffocation	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____(340) Assault (homicide) by discharge of firearms	-	1	-	1	2	2	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
____(341) Assault (homicide) by sharp object	4	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____(346) Assault (homicide) by all other and unspecified means and their sequelae	-	-	-	-	2	-	-	-	1	-	-	1	1	-	-	-	-	-	-	-	-	1
__Event of undetermined intent	1	-	2	-	-	3	1	1	1	1	-	-	-	-	-	-	-	-	-	-	2	-
____(347) Poisoning by and exposure to drugs and biological substances, undetermined intent	1	-	1	-	-	3	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-
____(350) Discharge of firearms, undetermined intent	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____(351) Falling, jumping or pushed from a high place, undetermined intent	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____(352) All other and unspecified events of undetermined intent and their sequelae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
__Legal intervention	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
____354 Other legal intervention and their sequelae	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
__(355) Operations of war and their sequelae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
__Complications of medical and surgical care	-	-	-	-	-	-	-	-	-	-	1	1	-	-	2	2	-	2	-	-	-	2
____(356) Drugs, medicaments and biological substances causing adverse effects in therapeutic use, and their sequelae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
____(358) Other complications of medical and surgical care and their sequelae	-	-	-	-	-	-	-	-	-	-	1	1	-	-	2	1	-	2	-	-	-	2

*LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES IN THE TABLE AT
http://www.dphhs.mt.gov/statisticalinformation/vitalstats/appendix/358causes.pdf

TABLE D-2
FREQUENCY OF DEATH BY SEX, RACE*, AND UP TO 113 SELECTED UNDERLYING CAUSES**
MONTANA RESIDENTS, 2008

CAUSE OF DEATH**	TOTAL				Male				Female			
	TOTAL	White	+AI/AN	Other	TOTAL	White	+AI/AN	Other	TOTAL	White	+AI/AN	Other
All causes	8,897	8,378	473	46	4,523	4,235	265	23	4,374	4,143	208	23
__(3) Certain other intestinal infections	9	8	1	-	4	4	-	-	5	4	1	-
__(#) Tuberculosis	4	3	1	-	2	2	-	-	2	1	1	-
__(4) Respiratory tuberculosis	1	-	1	-	-	-	-	-	1	-	1	-
__(5) Other tuberculosis	3	3	-	-	2	2	-	-	1	1	-	-
__(8#) Meningococcal infection	2	2	-	-	1	1	-	-	1	1	-	-
__(9#) Septicemia	68	56	11	1	30	25	4	1	38	31	7	-
__(14#) Viral hepatitis	10	8	1	1	8	8	-	-	2	-	1	1
__(15#) Human immunodeficiency virus (HIV) disease	9	7	1	1	7	5	1	1	2	2	-	-
__(17) Other and unspecified infectious and parasitic diseases and their sequelae	28	27	1	-	14	13	1	-	14	14	-	-
(#) Malignant neoplasms	1,854	1,774	70	10	997	959	35	3	857	815	35	7
__(18) Malignant neoplasms of lip, oral cavity and pharynx	24	24	-	-	15	15	-	-	9	9	-	-
__(19) Malignant neoplasm of esophagus	44	44	-	-	40	40	-	-	4	4	-	-
__(20) Malignant neoplasm of stomach	29	26	3	-	17	16	1	-	12	10	2	-
__(21) Malignant neoplasms of colon, rectum and anus	160	147	10	3	73	67	6	-	87	80	4	3
__(22) Malignant neoplasms of liver and intrahepatic bile ducts	41	37	4	-	23	19	4	-	18	18	-	-
__(23) Malignant neoplasm of pancreas	118	116	2	-	60	59	1	-	58	57	1	-
__(24) Malignant neoplasm of larynx	10	10	-	-	10	10	-	-	-	-	-	-
__(25) Malignant neoplasms of trachea, bronchus and lung	540	513	25	2	303	292	10	1	237	221	15	1
__(26) Malignant melanoma of skin	29	28	1	-	21	21	-	-	8	7	1	-
__(27) Malignant neoplasm of breast	105	102	3	-	2	1	1	-	103	101	2	-
__(28) Malignant neoplasm of cervix uteri	9	8	1	-	-	-	-	-	9	8	1	-
__(29) Malignant neoplasms of corpus uteri and uterus, part unspecified	24	22	1	1	-	-	-	-	24	22	1	1
__(30) Malignant neoplasm of ovary	53	50	2	1	-	-	-	-	53	50	2	1
__(31) Malignant neoplasm of prostate	120	116	3	1	120	116	3	1	-	-	-	-
__(32) Malignant neoplasms of kidney and renal pelvis	42	38	4	-	24	21	3	-	18	17	1	-
__(33) Malignant neoplasm of bladder	49	49	-	-	36	36	-	-	13	13	-	-
__(34) Malignant neoplasms of meninges, brain and other parts of central nervous system	51	50	1	-	31	30	1	-	20	20	-	-
Malignant neoplasms of lymphoid, hematopoietic and related tissue	193	186	6	1	116	112	3	1	77	74	3	-
__(35) Hodgkin's disease	2	2	-	-	-	-	-	-	2	2	-	-
__(36) Non-Hodgkin's lymphoma	70	70	-	-	43	43	-	-	27	27	-	-
__(37) Leukemia	83	77	5	1	49	45	3	1	34	32	2	-
__(38) Multiple myeloma and immunoproliferative neoplasms	38	37	1	-	24	24	-	-	14	13	1	-
__(40) All other and unspecified malignant neoplasms	213	208	4	1	106	104	2	-	107	104	2	1
__(41#) In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior	85	82	3	-	44	41	3	-	41	41	-	-
__(42#) Anemias	21	20	1	-	9	9	-	-	12	11	1	-
__(43#) Diabetes mellitus	254	230	24	-	142	128	14	-	112	102	10	-
Nutritional deficiencies	18	16	2	-	6	5	1	-	12	11	1	-
__(44) Malnutrition	16	14	2	-	5	4	1	-	11	10	1	-
__(45) Other nutritional deficiencies	2	2	-	-	1	1	-	-	1	1	-	-
__(46#) Meningitis	3	3	-	-	2	2	-	-	1	1	-	-
__(47#) Parkinson's disease	84	82	2	-	51	49	2	-	33	33	-	-
__(48#) Alzheimer's disease	293	286	7	-	93	92	1	-	200	194	6	-
Major cardiovascular diseases	2,599	2,494	89	16	1,321	1,261	52	8	1,278	1,233	37	8
_ # Diseases of heart	1,975	1,893	71	11	1,075	1,027	43	5	900	866	28	6
__(49) Acute rheumatic fever and chronic rheumatic heart diseases	13	13	-	-	4	4	-	-	9	9	-	-
__(50) Hypertensive heart disease	68	65	2	1	37	35	2	-	31	30	-	1
__(51) Hypertensive heart and renal disease	1	1	-	-	-	-	-	-	1	1	-	-
Ischemic heart diseases	1,128	1,084	41	3	706	680	25	1	422	404	16	2
__(52) Acute myocardial infarction	300	283	16	1	185	173	12	-	115	110	4	1

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+ AMERICAN INDIAN OR ALASKA NATIVE

TABLE D-2
FREQUENCY OF DEATH BY SEX, RACE*, AND UP TO 113 SELECTED UNDERLYING CAUSES**
MONTANA RESIDENTS, 2008

CAUSE OF DEATH**	TOTAL				Male				Female			
	TOTAL	White	+AI/AN	Other	TOTAL	White	+AI/AN	Other	TOTAL	White	+AI/AN	Other
__(53) Other acute ischemic heart diseases	5	5	-	-	3	3	-	-	2	2	-	-
Other forms of chronic ischemic heart disease	823	796	25	2	518	504	13	1	305	292	12	1
__(54) Atherosclerotic cardiovascular disease, so described	274	261	11	2	189	182	6	1	85	79	5	1
__(55) All other forms of chronic ischemic heart disease	549	535	14	-	329	322	7	-	220	213	7	-
Other heart diseases	765	730	28	7	328	308	16	4	437	422	12	3
__(56) Acute and subacute endocarditis	4	3	-	1	1	-	-	1	3	3	-	-
__(57) Diseases of pericardium and acute myocarditis	3	3	-	-	1	1	-	-	2	2	-	-
__(58) Heart failure	298	289	9	-	113	107	6	-	185	182	3	-
__(59) All other forms of heart disease	460	435	19	6	213	200	10	3	247	235	9	3
__(60#) Essential hypertension and hypertensive renal disease	48	47	1	-	18	17	1	-	30	30	-	-
__(61#) Cerebrovascular diseases	454	438	12	4	166	159	5	2	288	279	7	2
__(62#) Atherosclerosis	38	37	1	-	23	23	-	-	15	14	1	-
Other diseases of circulatory system	84	79	4	1	39	35	3	1	45	44	1	-
__(63#) Aortic aneurysm and dissection	48	45	2	1	24	21	2	1	24	24	-	-
__(64) Other diseases of arteries, arterioles and capillaries	36	34	2	-	15	14	1	-	21	20	1	-
__(65) Other disorders of circulatory system	11	11	-	-	5	5	-	-	6	6	-	-
(#) Influenza and pneumonia	170	160	10	-	76	69	7	-	94	91	3	-
__(66) Influenza	3	3	-	-	-	-	-	-	3	3	-	-
__(67) Pneumonia	167	157	10	-	76	69	7	-	91	88	3	-
Other acute lower respiratory infections	2	2	-	-	1	1	-	-	1	1	-	-
__(68#) Acute bronchitis and bronchiolitis	2	2	-	-	1	1	-	-	1	1	-	-
(#) Chronic lower respiratory diseases	688	664	22	2	343	329	12	2	345	335	10	-
__(71) Emphysema	51	49	1	1	19	17	1	1	32	32	-	-
__(72) Asthma	9	8	1	-	5	5	-	-	4	3	1	-
__(73) Other chronic lower respiratory diseases	628	607	20	1	319	307	11	1	309	300	9	-
__(74#) Pneumoconioses and chemical effects	6	6	-	-	5	5	-	-	1	1	-	-
__(75#) Pneumonitis due to solids and liquids	57	54	3	-	20	19	1	-	37	35	2	-
__(76) Other diseases of respiratory system	109	101	8	-	59	51	8	-	50	50	-	-
__(77#) Peptic ulcer	10	9	1	-	3	3	-	-	7	6	1	-
__(79#) Hernia	8	7	1	-	3	3	-	-	5	4	1	-
(#) Chronic liver disease and cirrhosis	136	97	38	1	76	58	17	1	60	39	21	-
__(80) Alcoholic liver disease	92	63	28	1	53	39	13	1	39	24	15	-
__(81) Other chronic liver disease and cirrhosis	44	34	10	-	23	19	4	-	21	15	6	-
__(82#) Cholelithiasis and other disorders of gallbladder	11	11	-	-	6	6	-	-	5	5	-	-
(#) Nephritis, nephrotic syndrome and nephrosis	153	142	11	-	73	69	4	-	80	73	7	-
__(84) Chronic glomerulonephritis, nephritis and nephropathy not specified as acute or chronic, and renal sclerosis unspecified	13	13	-	-	7	7	-	-	6	6	-	-
__(85) Renal failure	140	129	11	-	66	62	4	-	74	67	7	-
__(87#) Infections of kidney	2	2	-	-	-	-	-	-	2	2	-	-
__(88#) Hyperplasia of prostate	3	3	-	-	3	3	-	-	-	-	-	-
(#) Pregnancy, childbirth and the puerperium	3	3	-	-	1	1	-	-	2	2	-	-
__(91) Other complications of pregnancy childbirth and the puerperium	3	3	-	-	1	1	-	-	2	2	-	-
__(92#) Certain conditions originating in the perinatal period	27	25	2	-	12	12	-	-	15	13	2	-
__(93#) Congenital malformations deformations and chromosomal abnormalities	36	27	9	-	19	14	5	-	17	13	4	-
__(94) Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	192	179	12	1	77	69	8	-	115	110	4	1
__(95) All other diseases (Residual)	1,070	1,020	45	5	433	405	25	3	637	615	20	2
(#) Accidents (unintentional injuries)	590	520	64	6	373	333	38	2	217	187	26	4
Transport accidents	233	200	29	4	160	141	17	2	73	59	12	2
__(96) Motor vehicle accidents	214	182	28	4	145	127	16	2	69	55	12	2
__(97) Other land transport accidents	4	4	-	-	3	3	-	-	1	1	-	-
__(98) Water, air and space, and other and unspecified transport accidents and their sequelae	13	12	1	-	11	10	1	-	2	2	-	-

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+ AMERICAN INDIAN OR ALASKA NATIVE

TABLE D-2
FREQUENCY OF DEATH BY SEX, RACE*, AND UP TO 113 SELECTED UNDERLYING CAUSES**
MONTANA RESIDENTS, 2008

CAUSE OF DEATH**	TOTAL				Male				Female			
	TOTAL	White	+AI/AN	Other	TOTAL	White	+AI/AN	Other	TOTAL	White	+AI/AN	Other
Nontransport accidents	357	320	35	2	213	192	21	-	144	128	14	2
__(99) Falls	133	124	8	1	73	67	6	-	60	57	2	1
__(100) Accidental discharge of firearms	4	2	2	-	2	2	-	-	2	-	2	-
__(101) Accidental drowning and submersion	19	18	1	-	17	16	1	-	2	2	-	-
__(102) Accidental exposure to smoke, fire and flames	8	8	-	-	6	6	-	-	2	2	-	-
__(103) Accidental poisoning and exposure to noxious substances	114	100	14	-	66	56	10	-	48	44	4	-
__(104) Other and unspecified nontransport accidents and their sequelae	79	68	10	1	49	45	4	-	30	23	6	1
(#) Intentional self-harm (suicide)	202	185	16	1	160	146	13	1	42	39	3	-
__(105) Intentional self-harm (suicide) by discharge of firearms	132	121	10	1	111	101	9	1	21	20	1	-
__(106) Intentional self-harm (suicide) by other and unspecified means and their sequelae	70	64	6	-	49	45	4	-	21	19	2	-
(#) Assault (homicide)	39	24	15	-	27	15	12	-	12	9	3	-
__(107) Assault (homicide) by discharge of firearms	16	15	1	-	8	8	-	-	8	7	1	-
__(108) Assault (homicide) by other and unspecified means and their sequelae	23	9	14	-	19	7	12	-	4	2	2	-
__(109#) Legal intervention	2	2	-	-	2	2	-	-	-	-	-	-
Events of undetermined intent	18	15	2	1	11	9	1	1	7	6	1	-
__(110) Discharge of firearms, undetermined intent	1	1	-	-	1	1	-	-	-	-	-	-
__(111) Other and unspecified events of undetermined intent and their sequelae	17	14	2	1	10	8	1	1	7	6	1	-
__(112#) Operations of war and their sequelae	1	1	-	-	1	1	-	-	-	-	-	-
__(113#) Complications of medical and surgical care	10	10	-	-	3	3	-	-	7	7	-	-

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**LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES IN THE TABLE AT
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+ AMERICAN INDIAN OR ALASKA NATIVE

TABLE D-3

FREQUENCY AND RATE OF DEATH FROM SELECTED UNDERLYING CAUSES BY YEAR*
MONTANA, 1930 - 2008

YEAR OF DEATH	ACCIDENTS - MOTOR		ACCIDENTS - OTHER		ACCIDENTS - TOTAL		ALCOHOLISM		CANCER		DIABETES		HEART DISEASE		HOMICIDE		NEPHRITIS		PNEUMONIA		SUICIDE	
	NUM.	RATE +	NUM.	RATE +	NUM.	RATE +	NUM.	RATE +	NUM.	RATE +	NUM.	RATE +	NUM.	RATE +	NUM.	RATE +	NUM.	RATE +	NUM.	RATE +	NUM.	RATE +
1930	106	19.7	392	72.9	498	92.6	69	12.8	424	78.9	87	16.2	759	141.2	57	10.6	395	73.5	425	79.1	136	25.3
1935	161	29.3	391	71.2	552	100.5	14	2.5	528	96.2	112	20.4	1,299	236.6	34	6.2	355	64.7	674	122.8	96	17.5
1940	154	27.5	385	68.8	539	96.3	41	7.3	640	114.4	109	19.5	1,447	258.6	29	5.2	295	52.7	321	57.4	120	21.4
1945	118	23.4	380	75.3	498	98.7	13	2.6	658	130.4	129	25.6	1,603	317.7	19	3.8	279	55.3	196	38.8	79	15.7
1946	166	31.8	351	67.3	517	99.1	15	2.9	662	126.8	137	26.3	1,629	312.1	22	4.2	276	52.9	235	45.0	98	18.8
1947	157	29.1	380	70.5	537	99.6	19	3.5	712	132.0	130	24.1	1,690	313.4	14	2.6	266	49.3	223	41.4	96	17.8
1948	165	29.6	410	73.7	575	103.3	14	2.5	724	130.1	118	21.2	1,803	324.0	15	2.7	247	44.4	189	34.0	88	15.8
1949	152	26.5	400	69.7	552	96.2	17	3.0	729	127.0	102	17.8	2,002	348.9	21	3.7	129	22.5	144	25.1	89	15.5
1950	190	32.1	355	60.1	545	92.2	14	2.4	733	124.0	49	8.3	1,957	331.1	24	4.1	80	13.5	157	26.6	123	20.8
1951	187	31.4	338	56.7	525	88.1	17	2.9	726	121.8	58	9.7	2,159	362.2	15	2.5	85	14.3	121	20.3	85	14.3
1952	235	39.0	329	54.7	564	93.7	13	2.2	798	132.6	83	13.8	2,032	337.5	17	2.8	120	19.9	147	24.4	84	14.0
1953	228	37.0	306	49.7	534	86.7	17	2.8	809	131.3	73	11.9	2,164	351.3	23	3.7	77	12.5	180	29.2	106	17.2
1954	219	35.1	312	50	531	85.1	19	3.0	868	139.1	95	15.2	2,128	341.0	29	4.6	90	14.4	179	28.7	104	16.7
1955	239	37.6	310	48.7	549	86.3	28	4.4	829	130.3	108	17.0	2,116	332.7	21	3.3	94	14.8	155	24.4	79	12.4
1956	265	40.4	309	47.1	574	87.5	22	3.4	932	142.1	98	14.9	2,165	330.0	32	4.9	83	12.7	211	32.2	98	14.9
1957	219	32.8	322	48.3	541	81.1	20	3.0	877	131.5	118	17.7	2,290	343.3	23	3.4	71	10.6	249	37.3	105	15.7
1958	206	30.9	291	43.7	497	74.6	18	2.7	859	129.0	109	16.4	2,244	336.9	17	2.6	53	8.0	260	39.0	101	15.2
1959	258	38.6	307	45.9	565	84.5	15	2.2	920	137.5	123	18.4	2,382	356.1	29	4.3	58	8.7	231	34.5	97	14.5
1960	226	33.5	284	42.1	510	75.6	13	1.9	958	142.0	102	15.1	2,332	345.6	25	3.7	51	7.6	227	33.6	107	15.9
1961	270	39.6	248	36.4	518	76.0	18	2.6	965	141.5	117	17.2	2,269	332.7	21	3.1	41	6.0	219	32.1	96	14.1
1962	232	32.7	318	44.9	550	77.6	19	2.7	911	128.5	121	17.1	2,204	310.9	21	3.0	63	8.9	195	27.5	110	15.5
1963	218	30.8	299	42.3	517	73.1	12	1.7	896	126.7	125	17.7	2,340	331.0	22	3.1	42	5.9	218	30.8	115	16.3
1964	250	35.5	398	56.5	648	91.9	13	1.8	986	139.9	139	19.7	2,368	335.9	30	4.3	45	6.4	226	32.1	80	11.3
1965	268	38.0	323	45.8	591	83.7	14	2.0	933	132.2	114	16.1	2,297	325.4	20	2.8	35	5.0	198	28.0	94	13.3
1966	265	37.7	295	42.0	560	79.8	24	3.4	969	138.0	106	15.1	2,415	344.0	23	3.3	42	6.0	230	32.8	96	13.7
1967	318	45.4	289	41.2	607	86.6	12	1.7	1,001	142.8	143	20.4	2,297	327.7	31	4.4	38	5.4	196	28.0	100	14.3
1968	262	37.8	273	39.4	535	77.2	29	4.2	1,080	155.8	119	17.2	2,223	320.8	25	3.6	20	2.9	213	30.7	97	14.0
1969	329	47.4	306	44.1	635	91.5	10	1.4	1,041	150	117	16.9	2,297	331.0	31	4.5	21	3.0	201	29.0	91	13.1
1970	290	41.8	281	40.5	571	82.2	25	3.6	1,059	152.5	111	16.0	2,229	321.0	30	4.3	26	3.7	213	30.7	79	11.4
1971	310	43.7	299	42.1	609	85.8	19	2.7	1,051	148.0	120	16.9	2,339	329.4	43	6.1	19	2.7	210	29.6	117	16.5
1972	360	50.1	275	38.2	635	88.3	17	2.4	1,122	156.1	135	18.8	2,294	319.1	32	4.5	17	2.4	220	30.6	87	12.1
1973	324	44.9	287	39.8	611	84.7	20	2.8	1,061	147.2	126	17.5	2,300	319.0	46	6.4	27	3.7	236	32.7	108	15.0
1974	272	37.0	287	39.0	559	76.1	14	1.9	1,130	153.7	103	14.0	2,202	299.6	44	6.0	20	2.7	192	26.1	122	16.6
1975	282	37.7	302	40.4	584	78.1	28	3.7	1,105	147.7	122	16.3	2,178	291.2	42	5.6	19	2.5	185	24.7	112	15.0
1976	291	38.6	288	38.2	579	76.9	23	3.1	1,191	158.2	100	13.3	2,178	289.2	38	5.0	17	2.3	207	27.5	129	17.1
1977	302	39.7	272	35.7	574	75.4	25	3.3	1,184	155.6	89	11.7	2,149	282.4	53	7.0	24	3.2	144	18.9	143	18.8
1978	276	35.2	282	35.9	558	71.1	23	2.9	1,233	157.1	114	14.5	2,169	276.3	40	5.1	20	2.5	199	25.4	122	15.5
1979	313	39.8	283	36.0	596	75.8	22	2.8	1,240	157.8	94	12.0	2,302	292.9	39	5.0	46	5.9	143	18.2	123	15.6
1980	311	39.5	259	32.9	570	72.5	25	3.2	1,291	164.1	103	13.1	2,332	296.4	40	5.1	43	5.5	169	21.5	116	14.7
1981	308	38.8	245	30.9	553	69.7	32	4.0	1,343	169.4	95	12.0	2,279	287.4	47	5.9	70	8.8	171	21.6	137	17.3
1982	236	29.5	235	29.3	471	58.8	30	3.7	1,384	172.8	115	14.4	2,236	279.2	36	4.5	57	7.1	196	24.5	126	15.7
1983	267	32.7	249	30.5	516	63.2	16	2.0	1,350	165.2	103	12.6	2,241	274.3	33	4.0	62	7.6	219	26.8	143	17.5
1984	233	28.3	207	25.1	440	53.4	18	2.2	1,467	178.0	113	13.7	2,270	275.5	37	4.5	57	6.9	204	24.8	137	16.6
1985	210	25.4	207	25.1	417	50.5	20	2.4	1,445	174.9	123	14.9	2,201	266.5	49	5.9	58	7.0	211	25.5	144	17.4
1986	228	27.8	175	21.4	403	49.2	27	3.3	1,475	180.1	109	13.3	2,196	268.1	41	5.0	40	4.9	205	25.0	181	22.1
1987	223	27.6	193	23.9	416	51.4	22	2.7	1,516	187.4	116	14.3	2,109	260.7	39	4.8	60	7.4	192	23.7	159	19.7
1988	200	24.8	168	20.9	368	45.7	22	2.7	1,561	193.9	154	19.1	2,057	255.5	35	4.3	60	7.5	219	27.2	153	19.0
1989	171	21.2	189	23.5	360	44.7	16	2.0	1,593	197.7	170	21.1	2,019	250.6	32	4.0	47	5.8	224	27.8	159	19.7
1990	210	26.2	188	23.5	398	49.7	21	2.6	1,630	203.7	154	19.2	1,947	243.3	35	4.4	48	6.0	213	26.6	167	20.9
1991	183	22.6	201	24.8	384	47.4	19	2.3	1,656	204.5	181	22.4	1,944	240.1	36	4.4	51	6.3	245	30.3	167	20.6
1992	182	22.0	217	26.3	399	48.3	29	3.5	1,710	207.1	164	19.9	1,904	230.6	35	4.2	56	6.8	259	31.4	151	18.3
1993	182	21.5	193	22.8	375	44.4	26	3.1	1,738	205.7	191	22.6	2,110	249.8	39	4.6	59	7.0	249	29.5	154	18.2
1994	192	22.3	199	23.1	391	45.4	31	3.6	1,740	202.0	215	25.0	1,907	221.4	34	3.9	76	8.8	276	32.0	159	18.5
1995	191	21.8	183	20.9	374	42.7	21	2.4	1,765	201.4	210	24.0	2,003	228.5	45	5.1	56	6.4	313	35.7	197	22.5
1996	191	21.7	205	23.3	396	45.0	23	2.6	1,762	200.4	187	21.3	2,131	242.3	37	4.2	81	9.2	238	27.1	174	19.6
1997	230	25.8	213	23.9	443	49.8	18	2.0	1,779	199.9	169	19.0	2,097	235.7	37	4.2	98	11.0	299	33.6	179	20.1
1998	219	24.5	244	27.3	463	51.9	34	3.8	1,816	203.5	196	22.0	2,001	224.2	26	2.9	90	10.1	311	34.8	156	17.5
1999	191	21.6	270	30.6	461	52.2	22	2.5	1,845	209.0	243	27.5	2,034	230.4	32	3.6	93	10.5	213	24.1	161	18.2
2000	228	25.2	256	28.3	484	53.6	29	3.2	1,861	206.0	226	25.0	1,985	219.8	35	3.9	115	12.7	192	21.3	157	17.4
2001	209	23.1	259	28.6	468	51.7	35	3.9	1,952	215.5	229	25.3	1,962	216.6	31	3.4	127	14.0	191	21.1	174	19.2
2002	250	27.5	273	30.0	523	57.5	30	3.3	1,901	208.9	211	23.2	1,931	212.2	23	2.5	104	11.4	247	27.1	182	20.0
2003	254	27.7	257	28.0	511	55.7	39	4.3	1,838	200.5	263	28.7	1,974	215.3	37	4.0	101	11.0	239	26.1	179	19.5
2004	237	25.6	292	31.5	529	57.1	32	3.5	1,858	200.7	236	25.5	1,835	198.2	25	2.7	107	11.6	161	17.4	174	18.8
2005	233	24.9	284	30.4	517	55.3	39	4.2	1,947	208.3	283	30.3	1,842	197.0	32	3.4	109	11.7	186	19.9	205	21.9
2006	262	27.7	284	30.0	546	57.8	63	6.7	1,940	205.2	251	26.5	1,857	196.4	35	3.7	132	14.0	164	17.3	188	19.9
2007	267	27.9	336	35.1	603	63.0	36	3.8	1,906	199.2	258	27.0	1,860	194.4	23	2.4	109	11.4	175	18.3	192	20.1
2008	216	22.3	374	38.7	590	61.0	49	5.1	1,854	191.6	254	26.3	1,975	204.1	39	4.0	153	15.8	167	17.3	202	20.9

*DATA FOR 1930-45 ARE BY PLACE OF OCCURRENCE. BEGINNING IN 1946, DATA ARE BY PLACE OF RESIDENCE.
+PER 100,000 ESTIMATED MIDYEAR POPULATION. U.S. CENSUS ENUMERATIONS ARE USED FOR YEARS ENDING IN ZERO.

TABLE D-4

FREQUENCY OF DEATH FROM SELECTED CAUSES BY MONTANA COUNTY OF RESIDENCE, 2008

COUNTY	TOTAL	CAUSE OF DEATH												
		ACCIDENTS	CANCER	CEREBROVASCULAR DISEASE*	DIABETES	HEART DISEASE	INFLUENZA	MENINGITIS	MENINGOCOCCAL INFECTION	NEPHRITIS	PNEUMONIA	POLIOMYELITIS	TUBERCULOSIS	~ALL OTHER CAUSES
MONTANA TOTAL	8,897	590	1,854	454	254	1,975	3	3	2	153	167	7	4	3,431
BEAVERHEAD	70	6	16	4	1	15	0	0	0	1	1	0	0	26
BIG HORN	133	12	19	5	6	24	0	0	0	3	4	0	0	60
BLAINE	76	7	12	5	3	12	0	0	0	3	2	0	0	32
BROADWATER	61	3	12	4	4	13	0	0	0	1	0	0	0	24
CARBON	90	5	19	7	1	17	0	0	0	1	1	0	0	39
CARTER	15	2	1	1	1	6	0	0	0	2	0	0	0	2
CASCADE	744	40	164	51	22	154	0	0	0	8	13	0	1	291
CHOUTEAU	51	4	13	1	5	13	0	0	0	1	0	1	0	13
CUSTER	129	10	29	8	4	34	0	0	1	1	2	0	0	40
DANIELS	23	0	5	1	1	6	0	0	0	1	0	0	0	9
DAWSON	117	7	23	5	3	21	0	0	0	3	1	0	0	54
DEER LODGE	124	9	22	3	8	32	0	0	0	0	4	0	0	46
FALLON	37	3	9	1	1	9	0	0	0	0	0	0	0	14
FERGUS	156	11	27	6	2	35	0	0	0	1	5	1	0	68
FLATHEAD	715	49	146	48	17	164	0	1	0	9	10	0	0	271
GALLATIN	447	28	91	27	11	94	0	0	0	15	11	1	0	169
GARFIELD	13	0	3	2	2	3	0	0	0	1	0	0	0	2
GLACIER	114	14	15	3	1	32	0	0	0	0	3	0	0	46
GOLDEN VALLEY	8	1	2	0	1	1	0	0	0	0	0	0	0	3
GRANITE	23	3	6	0	0	9	0	0	0	0	0	0	0	5
HILL	137	7	32	4	4	30	0	0	0	7	6	0	0	47
JEFFERSON	90	4	26	7	5	18	0	0	1	0	0	0	0	29
JUDITH BASIN	15	0	4	1	1	3	0	0	0	0	0	0	0	6
LAKE	264	24	61	17	6	56	0	0	0	5	7	0	0	88
LEWIS & CLARK	558	48	116	20	15	121	0	1	0	4	12	0	0	221
LIBERTY	19	1	4	0	0	7	0	0	0	0	0	0	0	7
LINCOLN	221	17	44	16	7	51	0	0	0	2	3	0	0	81
MADISON	90	6	18	4	2	22	0	0	0	3	0	0	0	35
MCCONE	22	0	7	0	1	5	0	0	0	1	0	0	0	8
MEAGHER	28	3	4	1	2	7	0	0	0	1	2	0	0	8
MINERAL	56	5	13	7	1	15	0	0	0	0	0	0	0	15
MISSOULA	748	60	184	29	18	150	1	0	0	11	21	0	0	274
MUSSELSHELL	60	1	18	2	4	14	0	0	0	1	0	0	0	20
PARK	161	11	30	8	4	22	0	0	0	7	4	1	1	73
PETROLEUM	6	0	1	0	0	1	0	0	0	1	0	0	0	3
PHILLIPS	57	5	13	1	3	14	0	0	0	2	0	0	0	19
PONDERA	46	1	11	1	1	8	0	1	0	1	3	0	1	18
POWDER RIVER	19	2	4	0	0	5	0	0	0	0	0	0	0	8
POWELL	79	4	16	6	0	25	0	0	0	1	1	0	0	26
PRAIRIE	14	2	2	0	0	4	0	0	0	0	0	0	0	6
RAVALLI	416	27	94	27	11	88	0	0	0	8	6	0	0	155
RICHLAND	112	11	23	5	1	11	0	0	0	4	0	0	0	57
ROOSEVELT	121	10	11	8	3	35	0	0	0	2	3	0	0	49
ROSEBUD	81	4	14	3	1	15	1	0	0	3	3	0	0	37
SANDERS	138	10	40	6	6	24	0	0	0	1	2	0	0	49
SHERIDAN	59	2	14	2	1	21	0	0	0	1	5	0	0	13
SILVER BOW	410	22	76	17	18	107	1	0	0	2	6	0	0	161
STILLWATER	87	4	21	2	2	21	0	0	0	2	1	0	0	34
SWEET GRASS	36	4	6	2	1	9	0	0	0	0	0	0	0	14
TETON	62	7	12	4	2	16	0	0	0	1	0	0	0	20
TOOLE	46	2	11	3	2	13	0	0	0	0	0	0	0	15
TREASURE	5	0	0	0	0	0	0	0	0	0	0	0	0	5
VALLEY	87	3	16	5	2	29	0	0	0	3	2	1	0	26
WHEATLAND	24	2	6	1	0	7	0	0	0	1	1	0	0	6
WIBAUX	27	0	3	0	0	5	0	0	0	0	0	0	0	19
YELLOWSTONE	1,348	67	265	62	36	302	0	0	0	27	22	2	1	564
YELLOWSTONE PARK	0	0	0	0	0	0	0	0	0	0	0	0	0	0
~NOT STATED	2	0	0	1	0	0	0	0	0	0	0	0	0	1

*INCLUDES "STROKE"

TABLE D-5

*Frequency of Infant Deaths by Race, Age, and County of Residence Five Year-Lagged Infant Mortality Rate by County of Residence**

MONTANA, 1930 - 2008

YEAR OF DEATH	BOTULISM		DIPHTHERIA		INFLUENZA		MEASLES		MENINGOCOCCAL INFECTION		POLIOMYELITIS		ROCKY MOUNTAIN SPOTTED FEVER		TUBERCULOSIS		TYPHOID FEVER		WHOOPING COUGH	
	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+
1930	7	1.3	4	0.7	102	19	12	2.2	22	4.1	6	1.1	9	1.7	337	62.7	16	3	16	3
1935	3	0.5	14	2.5	173	31.5	49	8.9	15	2.7	1	0.2	21	3.8	257	46.8	12	2.2	22	4
1940	2	0.4	6	1.1	77	13.8	5	0.9	6	1.1	7	1.3	7	1.3	231	41.3	3	0.5	5	0.9
1945	1	0.2	4	0.8	47	9.3	1	0.2	3	0.6	10	2	1	0.2	171	33.9	2	0.4	2	0.4
1946	1	0.2	5	1	25	4.8	3	0.6	3	0.6	5	1	5	1	164	31.4	2	0.4	2	0.4
1947	1	0.2	2	0.4	33	6.1	13	2.4	3	0.6	4	0.7	1	0.2	152	28.2	1	0.2	6	1.1
1948	3	0.5	3	0.5	13	2.3	12	2.2	1	0.2	6	1.1	1	0.2	146	26.2	-	-	6	1.1
1949	2	0.3	3	0.5	13	2.3	3	0.5	3	0.5	13	2.3	-	-	109	19	1	0.2	2	0.3
1950	-	-	2	0.3	23	3.9	-	-	1	0.2	3	0.5	1	0.2	114	19.3	-	-	10	1.7
1951	2	0.3	-	-	30	5	9	1.5	5	0.8	6	1	-	-	85	14.3	1	0.2	1	0.2
1952	-	-	1	0.2	22	3.7	4	0.7	4	0.7	8	1.3	1	0.2	79	13.1	1	0.2	1	0.2
1953	-	-	3	0.5	59	9.6	4	0.6	2	0.3	14	2.3	-	-	77	12.5	-	-	4	0.6
1954	-	-	3	0.5	6	1	5	0.8	6	1	9	1.4	-	-	62	9.9	-	-	1	0.2
1955	-	-	1	0.2	12	1.9	4	0.6	5	0.8	8	1.3	-	-	50	7.9	-	-	1	0.2
1956	-	-	1	0.2	4	0.6	1	0.2	7	1.1	-	-	-	-	48	7.3	-	-	1	0.2
1957	-	-	1	0.2	25	3.8	3	0.5	3	0.5	2	0.3	-	-	68	10.2	-	-	2	0.3
1958	-	-	-	-	14	2.1	2	0.3	4	0.6	5	0.8	-	-	45	6.8	-	-	-	-
1959	-	-	-	-	15	2.2	5	0.7	3	0.4	2	0.3	-	-	37	5.5	-	-	-	-
1960	-	-	-	-	37	5.5	1	0.1	3	0.4	7	1	1	0.1	31	4.6	-	-	1	0.1
1961	-	-	-	-	8	1.2	1	0.1	1	0.1	1	0.1	-	-	24	3.5	1	0.1	-	-
1962	-	-	-	-	12	1.7	-	-	4	0.6	-	-	-	-	32	4.5	-	-	-	-
1963	-	-	-	-	31	4.4	-	-	3	0.4	-	-	-	-	27	3.8	-	-	-	-
1964	1	0.1	-	-	29	4.1	2	0.3	2	0.3	-	-	-	-	28	4	1	0.1	-	-
1965	-	-	-	-	5	0.7	-	-	3	0.4	-	-	-	-	22	3.1	-	-	-	-
1966	1	0.1	-	-	49	7	-	-	2	0.3	-	-	-	-	21	3	-	-	-	-
1967	-	-	-	-	3	0.4	-	-	2	0.3	-	-	-	-	17	2.4	-	-	-	-
1968	-	-	-	-	30	4.3	-	-	2	0.3	1	0.1	-	-	15	2.2	-	-	-	-
1969	-	-	-	-	38	5.5	2	0.3	2	0.3	-	-	-	-	16	2.3	-	-	-	-
1970	-	-	2	0.3	8	1.2	-	-	1	0.1	-	-	-	-	12	1.7	-	-	-	-
1971	-	-	-	-	9	1.3	2	0.3	2	0.3	1	0.1	-	-	10	1.4	-	-	1	0.1
1972	-	-	-	-	15	2.1	-	-	2	0.3	-	-	-	-	11	1.5	-	-	-	-
1973	-	-	-	-	43	6	-	-	2	0.3	-	-	-	-	13	1.8	-	-	-	-
1974	-	-	-	-	11	1.5	-	-	1	0.1	1	0.1	-	-	17	2.3	-	-	-	-
1975	-	-	-	-	17	2.3	-	-	-	-	1	0.1	1	0.1	13	1.7	-	-	-	-
1976	-	-	-	-	95	12.6	-	-	-	-	-	-	-	-	9	1.2	-	-	-	-
1977	-	-	-	-	9	1.2	-	-	2	0.3	-	-	-	-	4	0.5	-	-	-	-
1978	-	-	-	-	19	2.4	-	-	2	0.3	1	0.1	-	-	11	1.4	-	-	-	-
1979	-	-	-	-	4	0.5	-	-	4	0.5	-	-	-	-	5	0.6	-	-	-	-
1980	-	-	-	-	24	3.1	-	-	-	-	-	-	-	-	6	0.8	-	-	-	-
1981	1	0.1	-	-	10	1.3	-	-	1	0.1	-	-	-	-	7	0.9	-	-	-	-
1982	-	-	-	-	8	1	-	-	1	0.1	-	-	-	-	7	0.9	-	-	-	-
1983	-	-	-	-	26	3.2	-	-	1	0.1	1	0.1	-	-	1	0.1	-	-	-	-
1984	-	-	-	-	19	2.3	-	-	-	-	2	0.2	-	-	10	1.2	-	-	-	-
1985	-	-	-	-	24	2.9	-	-	3	0.4	-	-	-	-	5	0.6	-	-	1	0.1
1986	-	-	-	-	24	2.9	-	-	-	-	-	-	-	-	5	0.6	-	-	-	-
1987	-	-	-	-	9	1.1	-	-	-	-	-	-	-	-	4	0.5	-	-	-	-
1988	-	-	-	-	21	2.6	-	-	-	-	1	0.1	-	-	2	0.2	-	-	-	-
1989	-	-	-	-	19	2.4	-	-	-	-	2	0.2	-	-	5	0.6	-	-	-	-
1990	-	-	-	-	15	1.9	-	-	2	0.2	-	-	-	-	2	0.2	-	-	-	-
1991	-	-	-	-	7	0.9	-	-	-	-	1	0.1	-	-	4	0.5	-	-	-	-
1992	-	-	-	-	7	0.8	-	-	-	-	1	0.1	-	-	4	0.5	-	-	-	-
1993	-	-	-	-	13	1.5	-	-	-	-	-	-	-	-	2	0.2	-	-	-	-
1994	-	-	-	-	15	1.7	-	-	1	0.1	-	-	-	-	6	0.7	-	-	-	-
1995	-	-	-	-	6	0.7	-	-	1	0.1	2	0.2	-	-	2	0.2	-	-	-	-
1996	-	-	-	-	11	1.2	-	-	2	0.2	2	0.2	-	-	1	0.1	-	-	1	0.1
1997	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1998	-	-	-	-	60	6.7	-	-	-	-	1	0.1	-	-	4	0.4	-	-	-	-
1999	-	-	-	-	35	3.9	-	-	1	0.1	-	-	-	-	3	0.3	-	-	-	-
2000	-	-	-	-	10	1.1	-	-	-	-	1	0.1	-	-	4	0.4	-	-	-	-
2001	-	-	-	-	3	0.3	-	-	2	0.2	1	0.1	-	-	3	0.3	-	-	-	-
2002	-	-	-	-	7	0.8	-	-	-	-	1	0.1	-	-	-	-	-	-	-	-
2003	-	-	-	-	18	2	-	-	-	-	2	0.2	-	-	1	0.1	-	-	-	-
2004	-	-	-	-	4	0.4	-	-	-	-	2	0.2	-	-	-	-	-	-	-	-
2005	-	-	-	-	26	2.8	-	-	-	-	-	-	-	-	3	0.3	-	-	1	0.1
2006	-	-	-	-	6	0.6	-	-	-	-	5	0.5	-	-	1	0.1	-	-	-	-
2007	-	-	-	-	5	0.5	-	-	-	-	2	0.2	-	-	1	0.1	-	-	-	-
2008	-	-	-	-	3	0.3	-	-	2	0.2	7	0.7	-	-	5	0.5	-	-	-	-

DATA FOR 1930-45 ARE BY PLACE OF OCCURRENCE. BEGINNING IN 1946, DATA ARE BY PLACE OF RESIDENCE.

PRIOR TO 1949 THE INTERNATIONAL CLASSIFICATION OF DISEASES DID NOT PERMIT IDENTIFICATION OF BOTULISM AS SUCH. THE MORE GENERAL RUBRIC OF "FOOD POISONING" IS REPORTED. THE DEATHS SHOWN PRIOR TO 1968 INCLUDE THOSE ASSIGNED TO "FOOD POISONING UNSPECIFIFED."

+PER 100,000 ESTIMATED MIDYEAR POPULATION.

TABLE D-6

FREQUENCY OF DEATH FROM SELECTED CANCERS
BY SEX OF DECEDENT AND COUNTY OF RESIDENCE
MONTANA, 2008

COUNTY	ALL CANCERS		COLON, RECTUM, & ANUS		PROSTATE	OVARY	TRACHEA, LUNG, & BRONCHUS		OTHER CANCERS		PANCREAS		HODGKIN'S & NON-HODGKIN'S LYMPHOMA		BLADDER		UTERUS	BREAST		CERVIX
	MALE	FEM.	MALE	FEM.	MALE	FEM.	MALE	FEM.	MALE	FEM.	MALE	FEM.	MALE	FEM.	MALE	FEM.	FEM.	MALE	FEM.	FEM.
MONTANA TOTAL	997	857	73	87	120	53	303	237	360	244	60	58	43	29	36	13	24	2	103	9
BEAVERHEAD	9	7	-	1	1	-	4	2	3	1	-	-	-	-	1	-	1	-	2	-
BIG HORN	13	6	-	1	3	-	5	2	4	1	1	1	-	-	-	-	-	-	-	1
BLAINE	4	8	1	-	-	1	-	4	2	2	1	-	-	-	-	-	-	-	1	-
BROADWATER	9	3	1	1	1	-	2	1	4	-	-	1	-	-	1	-	-	-	-	-
CARBON	12	7	-	-	3	-	4	-	3	3	2	-	-	1	-	-	-	-	3	-
CARTER	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CASCADE	83	81	8	7	8	5	25	27	32	29	6	3	1	2	3	1	4	-	2	1
CHOUTEAU	8	5	2	-	1	-	2	-	3	4	-	-	-	1	-	-	-	-	-	-
CUSTER	16	13	1	3	2	-	6	1	6	1	-	1	1	3	-	-	-	-	4	-
DANIELS	4	1	1	-	-	-	1	1	1	-	1	-	-	-	-	-	-	-	-	-
DAWSON	13	10	-	-	2	-	3	4	5	3	2	1	-	-	1	-	-	-	2	-
DEER LODGE	11	11	1	1	1	-	3	5	6	2	-	1	-	-	-	-	-	-	2	-
FALLON	4	5	-	-	-	-	2	2	2	2	-	-	-	-	-	-	-	-	1	-
FERGUS	12	15	1	-	-	1	3	3	7	7	1	1	-	-	-	-	1	-	2	-
FLATHEAD	83	63	5	8	12	5	31	13	23	23	5	4	2	2	5	1	-	-	6	1
GALLATIN	48	43	4	4	7	4	9	11	20	13	4	4	4	1	-	-	1	-	5	-
GARFIELD	2	1	-	-	1	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-
GLACIER	7	8	1	-	-	2	4	3	1	2	-	-	-	1	-	-	-	1	-	-
GOLDEN VALLEY	-	2	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-
GRANITE	3	3	-	-	-	1	1	1	2	1	-	-	-	-	-	-	-	-	-	-
HILL	15	17	1	-	1	1	4	4	6	4	2	3	-	-	1	-	1	-	4	-
JEFFERSON	18	8	2	-	1	-	8	1	6	2	-	1	1	-	-	2	1	-	1	-
JUDITH BASIN	2	2	-	-	1	-	1	-	-	-	-	1	-	-	-	1	-	-	-	-
LAKE	36	25	3	5	7	2	6	7	16	5	3	2	1	1	-	1	-	-	1	1
LEWIS & CLARK	62	54	3	3	6	1	16	22	27	11	2	3	3	3	5	-	3	-	8	-
LIBERTY	4	-	-	-	-	-	2	-	-	-	1	-	-	-	1	-	-	-	-	-
LINCOLN	22	22	1	5	1	4	13	3	6	7	-	1	1	-	-	-	1	-	1	-
MCCONE	6	1	-	1	1	-	1	-	1	-	-	-	-	-	3	-	-	-	-	-
MADISON	13	5	3	1	-	1	5	-	4	2	1	1	-	-	-	-	-	-	-	-
MEAGHER	2	2	-	-	-	1	-	-	1	-	-	-	1	-	-	-	-	-	1	-
MINERAL	6	7	-	-	2	2	-	4	4	1	-	-	-	-	-	-	-	-	-	-
MISSOULA	90	94	5	9	12	5	27	20	28	23	4	10	9	5	5	-	4	-	16	2
MUSSELSHELL	13	5	-	-	2	-	6	3	2	1	2	-	-	-	1	-	-	-	1	-
PARK	16	14	1	1	2	1	6	5	5	4	1	-	-	-	1	-	-	-	3	-
PETROLEUM	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
PHILLIPS	6	7	-	2	1	1	1	2	4	2	-	-	-	-	-	-	-	-	-	-
PONDERA	6	5	-	-	1	-	4	2	1	-	-	1	-	-	-	-	-	-	2	-
POWDER RIVER	2	2	-	-	-	-	1	-	1	-	-	1	-	-	-	-	-	-	1	-
POWELL	6	10	-	2	-	-	1	3	3	1	1	-	1	-	-	-	1	-	2	1
PRAIRIE	1	1	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
RAVALLI	55	39	8	7	7	2	12	9	20	12	6	3	2	3	-	1	-	-	2	-
RICHLAND	15	8	1	2	1	-	3	2	7	2	1	-	2	-	-	-	-	-	2	-
ROOSEVELT	7	4	-	1	1	-	3	1	3	1	-	-	-	-	-	-	-	-	1	-
ROSEBUD	10	4	2	-	1	-	4	1	3	2	-	1	-	-	-	-	-	-	-	-
SANDERS	23	17	3	5	2	-	5	4	8	3	1	1	1	1	2	1	1	1	1	-
SHERIDAN	5	9	-	1	-	-	2	4	-	-	1	2	1	-	1	-	1	-	1	-
SILVER BOW	43	33	2	3	4	1	10	8	21	13	5	2	1	-	-	1	1	-	4	-
STILLWATER	12	9	1	2	1	-	6	2	2	3	-	1	1	-	1	-	-	-	1	-
SWEET GRASS	2	4	-	1	-	-	1	-	1	-	-	1	-	1	-	-	-	-	1	-
TETON	3	9	-	-	-	-	-	2	2	4	-	1	-	-	1	-	-	-	2	-
TOOLE	7	4	-	-	1	-	4	2	1	1	-	-	-	-	1	-	-	-	1	-
VALLEY	7	9	-	1	1	1	4	3	2	3	-	1	-	-	-	-	-	-	-	-
WHEATLAND	5	1	1	-	1	-	2	1	1	-	-	-	-	-	-	-	-	-	-	-
WIBAUX	1	2	-	-	1	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-
YELLOWSTONE	133	132	10	9	18	11	38	40	49	40	6	3	10	4	2	4	3	-	16	2

TABLE D-7

FREQUENCY OF DEATH FROM SELECTED CANCERS
BY SEX OF DECEDENT AND YEAR OF DEATH
MONTANA, 1960 - 2008

YEAR OF DEATH	ALL CANCERS		PROSTATE		BREAST		TRACHEA, LUNG, & BRONCHUS		COLON, RECTUM, & ANUS		BLADDER		UTERUS	HODGKIN'S & NON-HODGKIN'S LYMPHOMA		OVARY	PANCREAS		CERVIX	OTHER CANCERS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	FEMALE	MALE	FEMALE	FEMALE	MALE	FEMALE	FEMALE	MALE	FEMALE
1960	557	401	78	-	-	85	121	17	81	56	16	7	20	32	9	25	30	20	26	199	136
1961	524	441	62	-	-	98	115	23	78	76	20	7	17	22	14	27	30	21	27	197	131
1962	528	383	65	-	-	84	109	12	64	54	15	3	14	26	14	28	44	22	21	205	131
1963	543	353	59	-	1	68	103	16	71	51	19	8	16	31	13	20	32	21	20	227	120
1964	577	409	78	-	1	79	114	13	65	57	19	6	20	32	11	26	40	16	32	228	149
1965	546	387	71	-	-	78	121	23	73	66	20	4	15	25	17	23	43	17	23	193	121
1966	571	398	59	-	-	87	125	16	65	63	23	5	23	26	18	24	45	16	15	228	131
1967	549	452	66	-	-	98	121	26	81	63	26	6	19	20	17	37	39	18	28	196	140
1968	604	476	66	-	-	96	150	23	64	59	38	4	18	33	16	38	46	31	22	207	169
1969	619	422	66	-	-	93	158	28	83	71	26	7	15	34	23	19	39	23	13	213	130
1970	598	461	75	-	2	101	152	34	66	74	31	9	14	23	17	26	43	24	20	206	142
1971	643	408	70	-	3	88	177	35	78	58	35	8	11	23	15	17	35	27	18	222	131
1972	637	485	79	-	-	92	164	44	85	69	25	7	16	17	20	25	37	34	16	230	162
1973	580	481	86	-	-	85	172	37	67	87	19	8	9	19	21	25	30	42	15	187	152
1974	629	501	76	-	1	88	196	48	79	80	25	5	19	31	24	28	33	42	22	188	145
1975	629	476	74	-	-	85	167	53	81	70	20	4	20	20	20	30	33	34	15	234	145
1976	684	507	92	-	-	107	197	58	90	70	24	13	18	30	17	29	31	35	9	220	151
1977	677	507	81	-	-	90	207	60	82	66	28	7	16	28	13	35	42	34	13	209	173
1978	703	530	113	-	1	95	199	86	85	72	26	9	22	24	17	36	38	26	14	217	153
1979	672	568	99	-	1	105	194	69	77	84	27	12	23	17	18	39	37	31	20	220	167
1980	743	548	91	-	-	98	237	75	83	82	23	9	14	26	26	34	49	36	15	234	159
1981	712	631	109	-	-	125	207	92	84	84	21	15	13	25	31	40	36	29	9	230	193
1982	757	627	120	-	2	130	218	92	82	70	27	11	32	18	21	37	42	31	15	248	188
1983	732	618	92	-	2	112	218	90	73	64	24	3	20	30	22	45	38	54	12	255	196
1984	763	704	88	-	1	124	231	128	83	91	17	11	28	28	26	38	43	39	16	272	203
1985	829	616	118	-	1	108	223	118	100	84	44	8	23	27	26	35	48	31	15	268	168
1986	791	684	134	-	-	130	233	124	91	85	30	12	25	26	22	42	37	43	17	240	184
1987	832	684	121	-	3	124	259	117	103	95	23	7	23	34	29	50	28	39	9	261	191
1988	831	730	110	-	4	117	251	163	95	74	25	16	17	35	34	44	41	50	16	270	199
1989	880	713	150	-	-	127	257	133	106	105	33	9	18	41	18	43	35	40	17	258	203
1990	863	767	130	-	-	151	267	140	92	88	25	17	28	30	42	35	33	50	11	286	205
1991	894	762	118	-	1	122	289	175	95	87	31	8	20	42	37	42	46	53	13	272	205
1992	927	783	147	-	-	143	279	162	86	79	25	14	22	39	32	45	31	60	14	320	212
1993	941	797	158	-	3	138	278	172	107	94	24	12	21	37	37	43	48	45	19	286	216
1994	975	765	133	-	1	123	283	174	99	85	35	9	18	45	33	45	51	43	12	328	223
1995	918	847	125	-	-	159	263	201	89	83	40	6	19	43	36	51	57	55	8	301	229
1996	942	820	125	-	-	143	291	194	95	86	20	9	20	39	47	41	38	42	13	334	225
1997	958	821	151	-	-	116	264	212	100	80	32	13	18	58	40	54	44	37	11	309	240
1998	1,009	807	125	-	2	118	321	204	95	70	36	13	27	44	35	46	54	38	12	332	244
1999	978	867	128	-	3	122	288	217	93	92	29	13	19	32	52	52	49	40	15	356	245
2000	1,008	853	108	-	2	130	279	204	108	90	37	17	26	41	30	50	57	43	13	376	250
2001	1,045	907	124	-	-	124	322	256	105	80	39	15	23	56	35	43	39	61	7	360	263
2002	959	942	110	-	2	150	287	240	100	84	28	11	31	38	29	64	45	44	9	349	280
2003	961	877	109	-	1	115	298	236	78	86	34	13	20	41	43	50	48	41	12	352	261
2004	963	895	130	-	1	138	262	240	80	69	39	16	29	49	37	52	58	55	10	344	249
2005	1,020	927	129	-	-	134	301	249	99	88	33	14	33	44	36	59	60	53	11	354	250
2006	1,023	917	129	-	-	111	287	237	100	104	30	9	28	41	31	50	66	62	10	370	275
2007	983	923	114	1	-	116	290	272	74	87	38	16	23	35	41	55	60	47	9	372	256
2008	997	857	120	-	2	103	303	237	73	87	36	13	24	43	29	53	60	58	9	360	244

TABLE D-8

FREQUENCY OF INFANT DEATH BY RACE*, AGE, AND UP TO 130 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2008

CAUSE OF DEATH**	TOTAL			0 TO 7 DAYS			8 TO 28 DAYS		29 DAYS TO ONE YEAR		
	TOTAL	WHITE	+AI/AN	TOTAL	WHITE	+AI/AN	TOTAL	WHITE	TOTAL	WHITE	+AI/AN
All Causes	87	72	15	43	35	8	6	6	38	31	7
Certain infectious and parasitic diseases	1	1	-	1	1	-	-	-	-	-	-
_____(20) All other and unspecified infectious and parasitic diseases	1	1	-	1	1	-	-	-	-	-	-
Neoplasms	1	1	-	1	1	-	-	-	-	-	-
____(24#) In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior	1	1	-	1	1	-	-	-	-	-	-
Endocrine, nutritional and metabolic diseases	2	2	-	-	-	-	-	-	2	2	-
____(32) All other endocrine, nutritional and metabolic diseases	2	2	-	-	-	-	-	-	2	2	-
Diseases of the nervous system	2	2	-	-	-	-	-	-	2	2	-
__(33#) Meningitis	1	1	-	-	-	-	-	-	1	1	-
__(37) Other diseases of nervous system	1	1	-	-	-	-	-	-	1	1	-
(38#) Diseases of the ear and mastoid process	1	1	-	-	-	-	-	-	1	1	-
(#) Diseases of the circulatory system	2	2	-	-	-	-	1	1	1	1	-
____(41) Cardiomyopathy	2	2	-	-	-	-	1	1	1	1	-
Diseases of the respiratory system	5	3	2	-	-	-	-	-	5	3	2
__(45#) Acute upper respiratory infections	1	-	1	-	-	-	-	-	1	-	1
____(#) Influenza and pneumonia	2	1	1	-	-	-	-	-	2	1	1
_____(47) Pneumonia	2	1	1	-	-	-	-	-	2	1	1
_____(48#) Acute bronchitis and acute bronchiolitis	1	1	-	-	-	-	-	-	1	1	-
____(52) Other and unspecified diseases of respiratory system	1	1	-	-	-	-	-	-	1	1	-
Diseases of the digestive system	1	1	-	-	-	-	-	-	1	1	-
____(54#) Hernia of abdominal cavity and intestinal obstruction without hernia	1	1	-	-	-	-	-	-	1	1	-
Certain conditions originating in the perinatal period	27	25	2	23	21	2	1	1	3	3	-
Newborn affected by maternal factors and by complications of pregnancy, labor and delivery	4	4	-	4	4	-	-	-	-	-	-
__# Newborn affected by maternal complications of pregnancy	11	9	2	11	9	2	-	-	-	-	-
__(61) Newborn affected by premature rupture of membranes	1	1	-	1	1	-	-	-	-	-	-
__(63) Newborn affected by other maternal complications of pregnancy	1	1	-	1	1	-	-	-	-	-	-
__(#) Newborn affected by complications of placenta, cord and membranes	2	2	-	2	2	-	-	-	-	-	-
__(64) Newborn affected by complications involving placenta	1	1	-	1	1	-	-	-	-	-	-
__(66) Newborn affected by chorioamnionitis	1	1	-	1	1	-	-	-	-	-	-
Disorders related to length of gestation and fetal malnutrition	7	5	2	7	5	2	-	-	-	-	-
(#) Disorders related to short gestation and low birth weight, not elsewhere classified	7	5	2	7	5	2	-	-	-	-	-
__(71) Extremely low birth weight or extreme immaturity	5	4	1	5	4	1	-	-	-	-	-
__(72) Other low birth weight or preterm	2	1	1	2	1	1	-	-	-	-	-
__(77#) Respiratory distress of newborn	2	2	-	1	1	-	-	-	1	1	-
Other respiratory conditions originating in the perinatal period	2	2	-	2	2	-	-	-	-	-	-
__(83#) Atelectasis	2	2	-	2	2	-	-	-	-	-	-
Infections specific to the perinatal period	1	1	-	1	1	-	-	-	-	-	-
__(85#) Bacterial sepsis of newborn	1	1	-	1	1	-	-	-	-	-	-
Hemorrhagic and hematological disorders of newborn	3	3	-	3	3	-	-	-	-	-	-
__(88#) Neonatal hemorrhage	3	3	-	3	3	-	-	-	-	-	-
__(93#) Necrotizing enterocolitis of newborn	2	2	-	-	-	-	-	-	2	2	-
__(94#) Hydrops fetalis not due to hemolytic disease	1	1	-	1	1	-	-	-	-	-	-
__(95) Other perinatal conditions	5	5	-	4	4	-	1	1	-	-	-
(#) Congenital malformations, deformations and chromosomal abnormalities	21	15	6	17	11	6	2	2	2	2	-
__(99) Other congenital malformations of nervous system	3	3	-	3	3	-	-	-	-	-	-
__(100) Congenital malformations of heart	9	5	4	7	3	4	1	1	1	1	-
__(101) Other congenital malformations of circulatory system	1	1	-	1	1	-	-	-	-	-	-
__(104) Congenital malformations of genitourinary system	1	1	-	1	1	-	-	-	-	-	-
__(105) Congenital malformations and deformations of musculoskeletal system, limbs and integument	4	3	1	3	2	1	1	1	-	-	-

(Continued)

*ANY RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED; + AMERICAN INDIAN OR ALASKA NATIVE
**LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES IN THE TABLE AT
http://www.dphhs.mt.gov/statisticalinformation/vitalstats/appendix/130causesinfantdeath.pdf. THOSE MARKED WITH A "#" SIGN ARE RANKABLE AS LEADING CAUSES.

TABLE D-8

FREQUENCY OF INFANT DEATH BY RACE*, AGE, AND UP TO 130 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2008

CAUSE OF DEATH**	TOTAL			0 TO 7 DAYS			8 TO 28 DAYS		29 DAYS TO ONE YEAR		
	TOTAL	WHITE	+AI/AN	TOTAL	WHITE	+AI/AN	TOTAL	WHITE	TOTAL	WHITE	+AI/AN
__(108) Patau's syndrome	1	1	-	1	1	-	-	-	-	-	-
__(110) Other chromosomal abnormalities, not elsewhere c1assified	2	1	1	1	-	1	-	-	1	1	-
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	22	19	3	1	1	-	2	2	19	16	3
__(111#) Sudden infant death syndrome	11	9	2	-	-	-	1	1	10	8	2
__(112) Other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	11	10	1	1	1	-	1	1	9	8	1
External causes of mortality	2	-	2	-	-	-	-	-	2	-	2
(#) Accidents (unintentional injuries)	2	-	2	-	-	-	-	-	2	-	2
Transport accidents	1	-	1	-	-	-	-	-	1	-	1
__(114) Motor vehicle accidents	1	-	1	-	-	-	-	-	1	-	1
__(119) Accidental suffocation and strangulation in bed	1	-	1	-	-	-	-	-	1	-	1

*ANY RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED; + AMERICAN INDIAN OR ALASKA NATIVE
**LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES IN THE TABLE AT
http://www.dphhs.mt.gov/statisticalinformation/vitalstats/appendix/130causesinfantdeath.pdf. THOSE MARKED WITH A "#" SIGN ARE RANKABLE AS LEADING CAUSES.

TABLE D-9

FREQUENCY OF INFANT DEATH BY RACE*, AGE, AND COUNTY OF RESIDENCE
FIVE-YEAR LAGGED INFANT MORTALITY RATE BY COUNTY OF RESIDENCE
MONTANA, 2008

COUNTY	TOTAL UNDER 1 YEAR			1 TO 7 DAYS			8 TO 27 DAYS			28 DAYS TO 1 YEAR			INFANT DEATHS	BIRTHS	INFANT MORTALITY RATE
	TOTAL	WHITE	OTHER	TOTAL	WHITE	OTHER	TOTAL	WHITE	OTHER	TOTAL	WHITE	OTHER	2004-2008	2004-2008	2004-2008
MONTANA TOTAL	87	72	15	43	35	8	5	5	-	39	32	7	367	60,618	6.1
BEAVERHEAD	1	1	-	1	1	-	-	-	-	-	-	-	2	449	4.5
BIG HORN	3	-	3	2	-	2	-	-	-	1	-	1	12	1,355	8.9
BLAINE	3	2	1	1	-	1	-	-	-	2	2	-	8	591	13.5
BROADWATER	-	-	-	-	-	-	-	-	-	-	-	-	2	209	9.6
CARBON	-	-	-	-	-	-	-	-	-	-	-	-	1	434	2.3
CARTER	-	-	-	-	-	-	-	-	-	-	-	-	-	32	-
CASCADE	7	7	-	3	3	-	-	-	-	4	4	-	31	5,810	5.3
CHOUTEAU	-	-	-	-	-	-	-	-	-	-	-	-	6	208	28.8
CUSTER	-	-	-	-	-	-	-	-	-	-	-	-	3	709	4.2
DANIELS	-	-	-	-	-	-	-	-	-	-	-	-	1	66	15.2
DAWSON	1	1	-	1	1	-	-	-	-	-	-	-	3	490	6.1
DEER LODGE	1	-	1	1	-	1	-	-	-	-	-	-	4	383	10.4
FALLON	-	-	-	-	-	-	-	-	-	-	-	-	1	203	4.9
FERGUS	-	-	-	-	-	-	-	-	-	-	-	-	1	490	2.0
FLATHEAD	7	7	-	4	4	-	1	1	-	2	2	-	29	5,712	5.1
GALLATIN	11	11	-	6	6	-	-	-	-	5	5	-	38	5,765	6.6
GARFIELD	1	1	-	-	-	-	-	-	-	1	1	-	1	85	11.8
GLACIER	1	-	1	1	-	1	-	-	-	-	-	-	8	1,320	6.1
GOLDEN VALLEY	-	-	-	-	-	-	-	-	-	-	-	-	-	35	-
GRANITE	-	-	-	-	-	-	-	-	-	-	-	-	2	111	18.0
HILL	3	1	2	1	-	1	-	-	-	2	1	1	9	1,416	6.4
JEFFERSON	1	1	-	1	1	-	-	-	-	-	-	-	4	496	8.1
JUDITH BASIN	-	-	-	-	-	-	-	-	-	-	-	-	-	73	-
LAKE	1	1	-	1	1	-	-	-	-	-	-	-	12	2,021	5.9
LEWIS & CLARK	5	5	-	2	2	-	-	-	-	3	3	-	26	3,668	7.1
LIBERTY	-	-	-	-	-	-	-	-	-	-	-	-	-	72	-
LINCOLN	1	1	-	-	-	-	-	-	-	1	1	-	5	855	5.8
MADISON	-	-	-	-	-	-	-	-	-	-	-	-	1	260	3.8
MCCONE	-	-	-	-	-	-	-	-	-	-	-	-	-	75	-
MEAGHER	-	-	-	-	-	-	-	-	-	-	-	-	-	105	-
MINERAL	-	-	-	-	-	-	-	-	-	-	-	-	2	238	8.4
MISSOULA	7	7	-	2	2	-	2	2	-	3	3	-	24	6,238	3.8
MUSSELSHELL	-	-	-	-	-	-	-	-	-	-	-	-	2	208	9.6
PARK	1	1	-	1	1	-	-	-	-	-	-	-	5	810	6.2
PETROLEUM	-	-	-	-	-	-	-	-	-	-	-	-	-	16	-
PHILLIPS	-	-	-	-	-	-	-	-	-	-	-	-	-	192	-
PONDERA	1	1	-	-	-	-	-	-	-	1	1	-	4	378	10.6
POWDER RIVER	-	-	-	-	-	-	-	-	-	-	-	-	-	52	-
POWELL	-	-	-	-	-	-	-	-	-	-	-	-	1	268	3.7
PRAIRIE	-	-	-	-	-	-	-	-	-	-	-	-	-	32	-
RAVALLI	3	3	-	2	2	-	1	1	-	-	-	-	15	2,092	7.2
RICHLAND	4	4	-	4	4	-	-	-	-	-	-	-	5	566	8.8
ROOSEVELT	4	1	3	3	1	2	-	-	-	1	-	1	12	1,135	10.6
ROSEBUD	1	-	1	-	-	-	-	-	-	1	-	1	7	872	8.0
SANDERS	-	-	-	-	-	-	-	-	-	-	-	-	1	534	1.9
SHERIDAN	-	-	-	-	-	-	-	-	-	-	-	-	1	119	8.4
SILVER BOW	2	1	1	-	-	-	-	-	-	2	1	1	9	1,935	4.7
STILLWATER	-	-	-	-	-	-	-	-	-	-	-	-	7	505	13.9
SWEET GRASS	-	-	-	-	-	-	-	-	-	-	-	-	1	189	5.3
TETON	-	-	-	-	-	-	-	-	-	-	-	-	4	293	13.7
TOOLE	-	-	-	-	-	-	-	-	-	-	-	-	-	228	-
TREASURE	-	-	-	-	-	-	-	-	-	-	-	-	-	26	-
VALLEY	1	1	-	1	1	-	-	-	-	-	-	-	1	381	2.6
WHEATLAND	-	-	-	-	-	-	-	-	-	-	-	-	-	94	-
WIBAUX	-	-	-	-	-	-	-	-	-	-	-	-	-	35	-
YELLOWSTONE	16	14	2	5	5	-	1	1	-	10	8	2	56	9,677	5.8
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
~NOT STATED	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-

* EITHER RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED.
+ PER 1,000 LIVE BIRTHS

TABLE D-10

FREQUENCY OF MATERNAL AND LATE MATERNAL DEATHS* BY YEAR
MONTANA RESIDENTS, 2003-2008

	2003	2004	2005	2006	2007	2008
Total, all Maternal and Late Maternal Causes	5	9	6	2	4	2
Maternal causes (A34,O00-O95,O98-O99)	2	2	1	-	2	1
Pregnancy with abortive outcome (O00-O07)	-	-	-	-	-	-
____Ectopic pregnancy (O00)	-	-	-	-	-	-
____Spontaneous abortion (O03)	-	-	-	-	-	-
____Medical abortion (O04)	-	-	-	-	-	-
____Other abortion (O05)	-	-	-	-	-	-
____Other and unspecified pregnancy with abortive outcome (O01-O02,O06-O07)	-	-	-	-	-	-
Other direct obstetric causes(A34,O10-O92)	-	2	-	-	1	1
____Eclampsia and pre-eclampsia (O11,O13-O16)	-	-	-	-	1	-
____Hemorrhage of pregnancy and childbirth and placenta previa (O20,O44-O46,O67,O72)	-	1	-	-	-	-
____Complications predominately related to the puerperium (A34,O85-O92)	-	-	-	-	-	-
_____Obstetrical tetanus (A34)	-	-	-	-	-	-
_____Obstetric embolism (O88)	-	-	-	-	-	-
_____Other complications predominately related to the puerperium O85-O87,O89-O92)	-	-	-	-	-	-
____All other direct obstetric causes(O10,O12,O21-O43,O47-O66,O68-O71,O73-O75)	-	1	-	-	-	1
Obstetric death of unspecified cause (O95)	-	-	-	-	-	-
Indirect obstetric causes (O98-O99)	2	-	1	-	1	-
Maternal causes more than 42 days after delivery or termination of pregnancy (O96-O97)	3	7	5	2	2	1
____Death from any obstetric cause occurring more than 42 days but less than one year after delivery (O96)	3	7	5	2	2	1
____Death from sequelae of direct obstetric causes (O97)	-	-	-	-	-	-

* 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 AGGREVATED 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, O00-O95, AND O98-O99). "LATE MATERNAL DEATHS" ARE THOSE ATTRIBUTABLE 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 (ICD-10 CODES O96-O97). THIS NEW ITEM MAKES THE IDENTIFICATION OF A GREATER NUMBER OF MATERNAL AND LATE MATERNAL DEATHS POSSIBLE.

TABLE F-1

FREQUENCY OF FETAL DEATH BY RACE*, SEX, COMPLETED WEEKS OF GESTATION, AND UP TO 124 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2008

CAUSE OF DEATH	ALL GESTATIONAL AGES					LESS THAN 23 WEEKS					23 TO 33 WEEKS					34 WEEKS OR MORE				
		MALE		FEM.			MALE		FEM.			MALE		FEM.			MALE		FEM.	
	TOTAL	WHITE	OTHER	WHITE	OTHER	TOTAL	WHITE	OTHER	WHITE	OTHER	TOTAL	WHITE	OTHER	WHITE	OTHER	TOTAL	WHITE	OTHER	WHITE	OTHER
All causes	39	14	4	15	6	11	5	1	4	1	12	3	1	7	1	16	6	2	4	4
__Certain conditions originating in the perinatal period	35	13	4	14	4	8	4	1	3	-	12	3	1	7	1	15	6	2	4	3
____(#) Fetus affected by maternal conditions that may be unrelated to present pregnancy	1	-	-	1	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-
_____(17) Fetus affected by maternal hypertensive disorders	1	-	-	1	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-
____(#) Fetus affected by maternal complications of pregnancy	7	2	1	4	-	3	1	-	2	-	2	-	1	1	-	2	1	-	1	-
_____(26) Fetus affected by incompetent cervix	1	-	-	1	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-
_____(27) Fetus affected by premature rupture of membranes	6	2	1	3	-	2	1	-	1	-	2	-	1	1	-	2	1	-	1	-
____(#) Fetus affected by complications of placenta, cord and membranes	14	6	2	5	1	2	1	1	-	-	5	1	-	3	1	7	4	1	2	-
_____(36) Fetus affected by other forms of placental separation and hemorrhage	2	-	-	2	-	-	-	-	-	-	1	-	-	1	-	1	-	-	1	-
_____(37) Fetus affected by other and unspecified morphological and functional abnormalities of placenta	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-
_____(38) Fetus affected by placental transfusion syndromes	2	-	-	2	-	-	-	-	-	-	2	-	-	2	-	-	-	-	-	-
_____(39) Fetus affected by prolapsed cord	1	-	1	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
_____(40) Fetus affected by other compression of umbilical cord	4	2	1	1	-	-	-	-	-	-	-	-	-	-	-	4	2	1	1	-
_____(41) Fetus affected by other and unspecified conditions of umbilical cord	2	2	-	-	-	-	-	-	-	-	1	1	-	-	-	1	1	-	-	-
_____(42) Fetus affected by chorioamnionitis	2	1	-	-	1	1	1	-	-	-	1	-	-	-	1	-	-	-	-	-
____Transitory endocrine and metabolic disorders specific to fetus	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-
_____(84#) Syndrome of infant of a diabetic mother and neonatal diabetes mellitus	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-
____Other conditions originating in the perinatal period	12	5	-	4	3	3	2	-	1	-	4	2	-	2	-	5	1	-	1	3
_____(87#) Hydrops fetalis not due to hemolytic disease	2	1	-	-	1	1	1	-	-	-	-	-	-	-	-	1	-	-	-	1
_____(88#) Fetal death of unspecified cause	4	2	-	2	-	1	-	-	1	-	3	2	-	1	-	-	-	-	-	-
_____(92) All other specified conditions originating in the perinatal period	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1
_____(93) Condition originating in the perinatal period, unspecified	5	2	-	2	1	1	1	-	-	-	1	-	-	1	-	3	1	-	1	1
__# Congenital malformations, deformations and chromosomal abnormalities	3	1	-	1	1	2	1	-	1	-	-	-	-	-	-	1	-	-	-	1
____Congenital malformations of nervous system	1	1	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
_____(98) Reduction deformities of brain	1	1	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
____Chromosomal abnormalities, not elsewhere classified	2	-	-	1	1	1	-	-	1	-	-	-	-	-	-	1	-	-	-	1
_____(117) Edward's syndrome	1	-	-	1	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-
_____(118) Patau's syndrome	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1
All other causes	1	-	-	-	1	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-

*ANY RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED.
LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES IN THE TABLE AT
http://www.dphhs.mt.gov/statisticalinformation/vitalstats/appendix/124causes.pdf.

TABLE A-1
FREQUENCY OF INDUCED ABORTION BY NUMBER OF PREVIOUS INDUCED ABORTIONS AND NUMBER OF PREVIOUS PREGNANCIES
MONTANA OCCURRENCES, 2008

TOTAL PAST PREGNANCIES	TOTAL	PREVIOUS INDUCED ABORTIONS							
		NONE	ONE	TWO	THREE	FOUR	FIVE	SIX OR MORE	NOT STATED
TOTAL	2,125	754	905	324	89	29	17	7	-
	100	35.5	42.6	15.2	4.2	1.4	0.8	0.3	-
NONE	410	410	-	-	-	-	-	-	-
	100	100	-	-	-	-	-	-	-
ONE	591	147	444	-	-	-	-	-	-
	100	24.9	75.1	-	-	-	-	-	-
TWO	400	96	200	104	-	-	-	-	-
	100	24.0	50.0	26.0	-	-	-	-	-
THREE	297	53	142	84	18	-	-	-	-
	100	17.8	47.8	28.3	6.1	-	-	-	-
FOUR	191	29	59	63	32	8	-	-	-
	100	15.2	30.9	33.0	16.8	4.2	-	-	-
FIVE	92	9	32	34	8	7	2	-	-
	100	9.8	34.8	37.0	8.7	7.6	2.2	-	-
SIX	70	4	14	22	20	6	3	1	-
	100	5.7	20.0	31.4	28.6	8.6	4.3	1.4	-
SEVEN	38	4	6	11	8	5	3	1	-
	100	10.5	15.8	28.9	21.1	13.2	7.9	2.6	-
EIGHT	15	-	5	3	-	3	3	1	-
	100	-	33.3	20.0	-	20.0	20.0	6.7	-
NINE OR MORE	21	2	3	3	3	-	6	4	-
	100	9.5	14.3	14.3	14.3	-	28.6	19.0	-
NOT STATED	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-

TABLE A-2
FREQUENCY OF INDUCED ABORTION BY AGE OF PATIENT
MONTANA OCCURRENCES, 2008

PATIENT'S AGE	NUMBER
TOTAL	2,125
UNDER 12	2
12-14	10
15-17	143
18-19	252
20-24	753
25-29	479
30-34	271
35-39	160
40-44	52
45 AND OVER	2
NOT STATED	1

TABLE A-3
FREQUENCY OF INDUCED ABORTION BY COMPLETED WEEKS OF GESTATION AND BY PRIMARY PROCEDURE
MONTANA OCCURRENCES, 2008

TOTAL PAST PREGNANCIES	TOTAL	LENGTH OF GESTATION IN WEEKS									
		3 OR FEWER	4-6	7-9	10-11	12-13	14-15	16-17	18-19	20 OR MORE	NOT GIVEN
TOTAL	2,125	5	717	798	294	157	67	33	32	18	4
SHARP CURETTAGE	-	-	-	-	-	-	-	-	-	-	-
SUCTION CURETTAGE	1,385	1	326	592	293	136	31	2	2	-	2
DILATION & EVACUATION	134	-	1	-	-	21	35	31	30	16	-
METHOTREXATE & MISOPROSTOL	4	-	3	1	-	-	-	-	-	-	-
MIFEPRISTONE & MISOPROSTOL	560	4	360	194	1	-	-	-	-	-	1
MIFERPREX OR MIFEPRISTONE, ALONE	-	-	-	-	-	-	-	-	-	-	-
~NOT STATED / OTHER	42	-	27	11	-	-	1	-	-	2	1

* THE PROCEDURE THAT TERMINATED PREGNANCY, AS OPPOSED TO "ADDITIONAL PROCEDURES USED."

TABLE A-4
FREQUENCY OF INDUCED ABORTION BY STATE / COUNTRY OF RESIDENCE

PLACE	NUMBER
IDAHO	39
NORTH DAKOTA	9
SOUTH DAKOTA	4
WYOMING	143
MONTANA	1,916
OTHER STATES	12
CANADA	-
REST OF WORLD	2
NOT STATED	-

TABLE M-1
FREQUENCY AND PERCENT DISTRIBUTION OF MARRIAGES BY MONTH OF OCCURENCE
MONTANA OCCURRENCES, 2008

MONTH	NUMBER	PERCENT
TOTAL	7,467	100
JANUARY	288	3.9
FEBRUARY	373	5.0
MARCH	347	4.6
APRIL	383	5.1
MAY	660	8.8
JUNE	1,110	14.9
JULY	1,028	13.8
AUGUST	1,265	16.9
SEPTEMBER	718	9.6
OCTOBER	524	7.0
NOVEMBER	320	4.3
DECEMBER	451	6.0
NOT STATED	-	0.0

TABLE M-2
FREQUENCY OF MARRIAGE BY PREVIOUS MARITAL STATUS AND AGE OF BRIDE AND BY PREVIOUS MARITAL STATUS AND AGE OF GROOM
MONTANA OCCURRENCES, 2008

AGE	BRIDE					GROOM				
		PREVIOUS MARITAL STATUS					PREVIOUS MARITAL STATUS			
	TOTAL	SINGLE	WIDOWED	DIVORCED	NOT STATED	TOTAL	SINGLE	WIDOWED	DIVORCED	NOT STATED
TOTAL	7,467	4,964	200	2,299	4	7,467	5,018	162	2,284	3
15-19	480	476	-	4	-	180	180	-	-	-
20-24	2,282	2,130	-	152	-	1,758	1,679	-	79	-
25-29	1,887	1,518	7	361	1	1,971	1,725	1	245	-
30-34	881	523	12	346	-	1,108	771	6	331	-
35-39	519	151	15	353	-	711	368	6	337	-
40-44	394	83	18	293	-	470	144	10	315	1
45-49	395	60	23	312	-	389	77	13	299	-
50-54	287	13	20	254	-	326	42	8	276	-
55-59	169	7	31	131	-	251	21	29	201	-
60-64	85	3	29	53	-	138	4	25	109	-
65-69	47	-	19	28	-	80	6	17	57	-
70-74	19	-	10	9	-	46	1	23	22	-
75 AND OVER	19	-	16	3	-	37	-	24	13	-
NOT STATED	3	-	-	-	3	2	-	-	-	2

TABLE M-3
FREQUENCY OF FIRST MARRIAGE FOR BOTH BRIDE AND GROOM
BY AGE OF BRIDE AND AGE OF GROOM
MONTANA OCCURENCES, 2008

AGE OF GROOM	TOTAL, ALL AGES	AGE OF BRIDE									
		15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55 AND OVER	NOT STATED
TOTAL, ALL AGES	4,227	457	1,945	1,280	388	87	41	20	4	5	-
15-19	175	122	49	4	-	-	-	-	-	-	-
20-24	1,565	281	1,087	175	19	3	-	-	-	-	-
25-29	1,531	43	671	717	87	11	2	-	-	-	-
30-34	604	9	108	280	180	21	6	-	-	-	-
35-39	233	2	18	83	82	33	14	-	-	1	-
40-44	71	-	9	15	16	16	10	4	1	-	-
45-49	26	-	2	5	3	3	5	8	-	-	-
50-54	15	-	1	-	1	-	3	6	3	1	-
55 AND OVER	7	-	-	1	-	-	1	2	-	3	-
NOT STATED	-	-	-	-	-	-	-	-	-	-	-

TABLE M-4
MEDIAN AGES OF BRIDES AND GROOMS
MONTANA OCCURRENCES, 1999-2008

YEAR OF MARRIAGE	MEDIAN AGE OF BRIDE			
	BOTH FIRST*	GROOM FIRST MARRIAGE	BRIDE FIRST MARRIAGE	ALL MARRIAGES
1999	23	24	23	27
2000	23	24	23	27
2001	23	24	23	27
2002	23	24	23	27
2003	23	24	24	27
2004	23	24	24	27
2005	23	24	24	27
2006	24	24	24	27
2007	24	25	24	27
2008	24	25	24	27

* FIRST MARRIAGE FOR BOTH BRIDE AND GROOM

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