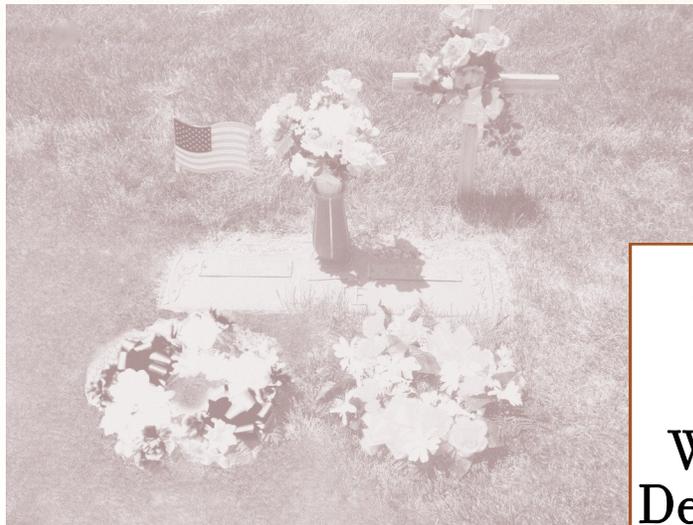


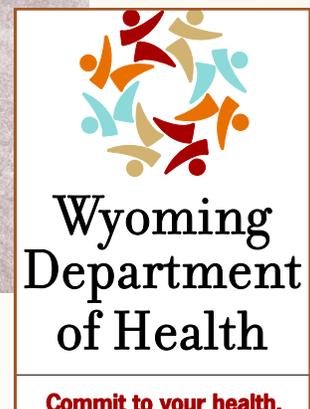


Wyoming Vital Statistics: Annual Summary

2011



A product of the Wyoming Department of Health
Office of the Director
Director Thomas Forslund



Introduction

The 2011 edition of the Wyoming Vital Statistics Annual Summary is a summary of data compiled from the vital event records during 2011 calendar year and prior calendar years. This report contains information on births, deaths, marriages, and divorces documented in the state of Wyoming by the Vital Statistics Services Office, Department of Health. These data include births and deaths that occurred within the state of Wyoming, but also includes those births and deaths that occurred in other states to Wyoming residents. Data for marriages and divorces reference only those events that occurred inside the state.

This document provides users an overview of vital events data that contributes to the Wyoming public health story. The goal of these data is to inform and support public policy decisions and program planning. Many factors (i.e., completeness, timeliness, and accuracy) must be considered for the correct interpretation of vital statistics. This report is designed to provide governmental agencies, businesses, industries, and citizens with information on vital statistics of Wyoming. Due to Wyoming's small population size, data is analyzed at a summary level. Caution should be used in the interpretation of vital statistics rates which are based on a small population, or a small number of events. One or two events can make a significant difference in these rates causing them to vary considerably from year to year.

This report may be accessed through the Wyoming Department of Health, Vital Records at the http://www.health.wyo.gov/rfhd/vital_records/reports.html. ♦ This is a brief summary report; for more information, please click on the selected tabs found at the same site or contact the Vital Statistics Office. For very detailed information or research, a completed data request form may be required. The data request form is located on the vital records webpage.

Technical notes and definitions are included in the last part of this summary to give the user background on how various data items are collected and tabulated. Footnotes are also shown on tables to provide further explanations and cautions of the user and to denote outside sources of information.

♦ This symbol used throughout the report indicates more information is available on specific tables located at http://www.health.wyo.gov/rfhd/vital_records/reports.html.

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Executive Summary

Data are compiled from the vital event records occurring in the 2011 calendar year and prior trends. This report contains information on births, deaths, marriages, and divorces documented in the state of Wyoming by the Vital Statistics Services Office, Department of Health. These data include births and deaths that occurred within the state of Wyoming, but also include those births and deaths that occurred in other states for Wyoming residents. Data for marriages and divorces reference only those events that occurred inside the state.

In 2011:

- A total of 7,339 Wyoming residents gave birth. Six hundred twenty-five (625) babies were born to teenagers ages 14-19. The trend of births to teens in Wyoming and nationally has declined.
- A total of 4,342 deaths occurred. Heart Disease was the leading cause of death; cancer followed close behind. Accidents were a distant third cause of death behind diseases.
- Wyoming had a total of 4,422 marriages. Over recent years, women and men have delayed marriage until they are older. The average age of women marrying for the first time was 28 years while the average for men marrying for the first time was 31 years.
- There were a total of 2,716 divorces, and 2,550 minor children were impacted.



Picture above: Sunset at the Flaming Gorge in Rock Springs, Wyoming.

Vital Events

The daily average in Wyoming:

Live births	19
Births to teenagers	2
Low Birth Weights	1
Births to Unmarried Mothers	7
Deaths	11
Heart Disease Deaths	3
Cancer Deaths	3
Accidental Deaths	1
Marriages	13
Divorces	8



In 2011, there was a total of 6,586 births that occurred in Wyoming and another 753 births to Wyoming residents outside the state. Resulting in an average of 19 births per day in Wyoming. The trend is down from 2010; although not significantly.

The total number of deaths occurring in Wyoming was 3,935 deaths or an average of 12 deaths per day occurred in Wyoming. An additional 407 reported deaths occurred outside of the state to Wyoming residents. The number of deaths has remained fairly constant.

In 2011, there were 4,422 and 2,716 marriages and divorces, respectively.

The number of births, deaths, marriages, and divorces have remained fairly constant over the past six years; although, the population has continued to increase (9% from 2006). The increase in population is likely due to new residents entering the state for employment (mineral, education, etc.) and retirement. There were almost twice as many births than deaths in a given day (19 and 11, respectively). Similarly, there are almost twice as many marriages as divorces

	2006	2007	2008	2009	2010	2011
Live Births	7,655	7,850	8,022	7,874	7,541	7,339
Deaths	4,277	4,218	4,183	4,277	4,406	4,342
Marriages	4,889	4,848	4,687	4,459	4,277	4,422
Divorces	2,718	2,636	2,659	2,856	2,871	2,716
Total Population *	522,667	534,876	546,043	559,851	563,626	568,158

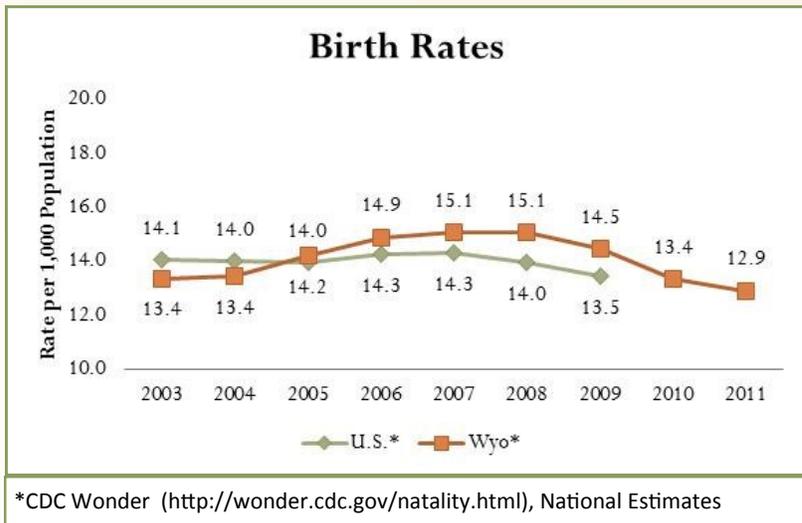
*Source: U.S. Census Bureau, Population Division

Births

Birth Statistics	
Total Births	7,339
Low Weight Births	590
Preterm Births	723
Births to Unmarried Women	2,532

A total of 7,339 births were reported to Wyoming residents during the calendar year of 2011. Of these 753 births occurred to Wyoming citizens in places outside of the state. The majority of the moms giving birth were married (66%) and between 25-29 (34%). The number of women ages 30-34 show an increase (1,251 in 2006; 1,570 in 2011). This increasing trend coincides with the rise in the average age to marry.

The birth rate in 2011 was about 13 births for every 1,000 Wyoming residents. These rates have been trending similar to the U.S. with a decline over the past four years. Despite the decline in Wyoming, the population continues to increase due to an influx of people looking for work or a great place to retire.



As reported by the mothers, the majority of women started prenatal care during the 2nd and 3rd month. A little less than a quarter (23.8%) started their prenatal care after the fourth month of pregnancy. Only 1.5% did not receive any prenatal care during their pregnancy.

A little over a quarter (27%) of the births were cesarean and of these cesarean births, 39% had a previous cesarean birth.

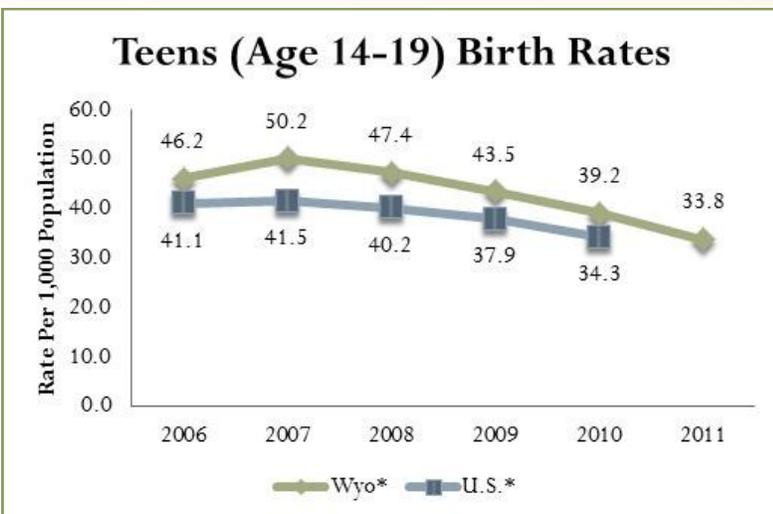
Women utilized assisted reproductive technology (ART)* in about 1.3% of the births. A little under half (40%) of these babies were born low birth weight and a little under a half (43%) of the babies were preterm. These percentages are much higher than those births born to women not using ART.

*ART is any procedure involving the manipulation of eggs or sperm to establish pregnancy in the treatment of infertility.

Births

Teenage (Age 14-19)	
Total Births*	625
Low Weight Births Babies*	52
Preterm Babies*	71
Births to Unmarried Teenagers*	536

In 2011, of the total live births (7,339), 625 babies (9%) were born to teenage mothers. Of these teen moms, the majority were unmarried (86%). Approximately 8% of these babies were low weight babies and 11% were preterm babies. Babies born weighing less than 5 pounds, 8 ounces (or 2,500 grams) are considered low birth weight and babies born before 37 gestational weeks are considered premature. Statistically, low birth weight babies and preterm babies are at increased risk for newborn and life long health issues.



Consistent with the U.S., births to teenage mothers have declined since 2007. Wyoming was among sixteen states that had the largest decreases. In 2011, out of 1,000 females aged 14-19 in Wyoming approximately 34 gave birth, a 32% decrease.

*Source: U.S. Census Bureau, Population Estimates.

**CDC Wonder (<http://wonder.cdc.gov/natality.html>), National Estimates

***Hamilton BE, Ventura SJ. Birth rates for U.S. teenagers reach historic lows for all age and ethnic groups. NCHS data brief, no 89. Hyattsville, MD: National Center for Health Statistics. 2012.

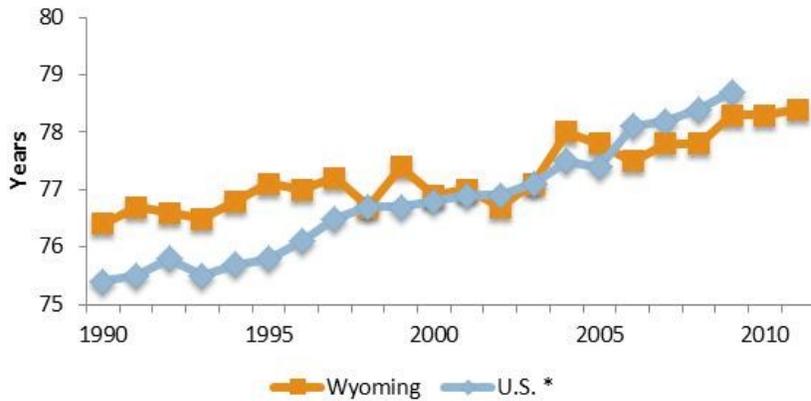
For more information on births by county and other demographic factors, click or copy paste into the browser this link:

http://www.health.wyo.gov/rfhd/vital_records/reports.html.



Deaths

Life Expenctancy



*Source: Centers for Disease Control

A total of 4,342 Wyoming residents died during the calendar year 2011 or a rate of around 12 per every 1,000 people.

The average age of death for Wyoming residents was 71 years in 2011. Nationally, and in Wyoming, life expectancy has gradually increased over the past few decades.

The leading causes of death in Wyoming are similar to top national leading causes of deaths. Diseases of the heart and cancer are the most common reasons for death (1,178 and 920 deaths, respectively). The most common cancer related death was lung or respiratory cancer with 222 deaths followed by lymphatic cancer and related tissues (101 deaths) and colon cancer (88 deaths).

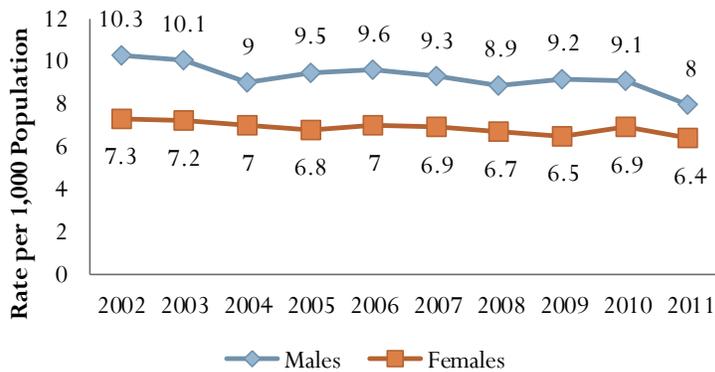
Ten Leading Causes of Death for 2011*

Diseases of the heart	1,178
Malignant neoplasms (Cancer)	920
Chronic lower respiratory diseases	321
Accidents (unintentional injuries)	303
Alzheimer's Disease	153
Intentional Self-Harm (Suicide)	128
Influenza and pneumonia	113
Diabetes	106
Nephritis nephrotic syndrome and nephrosis	86
Chronic liver disease and cirrhosis	85
Other	949
Total Deaths	4,342

Deaths

The Wyoming age adjusted death rate for males was higher (8) than the rate of for females (6.4). In other words, an average of 8 males per every 1,000 males died in 2011 while only 6 females per every 1,000 females died in 2011. These data follow national trends as well. The oldest Wyoming male lived until he was 103 years of age and the oldest Wyoming female hit the century mark plus six years.

Death Trends by Gender



Interesting Death Facts

Oldest Male Decedent	103
Oldest Female Decedent	106
Day Most Death Occurred on:	June 16th (22 Deaths)*

*No special event contributed to the 22 deaths.

For more information on deaths and deaths by county, click or copy paste this link into the browser this link:

http://www.health.wyo.gov/rfhd/vital_records/reports.html♦

Picture on right: Memorial flowers to honor our veterans. Please visit the website for interesting information on cremation trends.♦



Marriage

In 2011, there were 4,422 marriages in the state of Wyoming. Although the marriage count has remained fairly constant, the chart below shows an average gradual decline since 2006 with a little increase from 2010 to 2011.

The summer months are the most popular months to be married with 16% of the marriage ceremonies occurring in July, 13% of the marriage ceremonies occurring in August, and 12% of the marriage ceremonies occurring in June. September followed closely to June with 12% and also had the greatest number of marriages in a day.

Interesting Marriage Facts	
Oldest Groom	90
Oldest Bride	88
Day Most Marriages occurred on	Sept 9 (108)
Marriage with Greatest Age Difference	37 Years

Marriage/divorces are administered, managed and reported to the state by county officials.

In 65% of marriages, the bride and groom were marrying for the first time. The most common marriage age group was 20-24 years of age followed closely by 25-29. The average age of women marrying for the first time was 28 years while the average for men marrying for the first time was 31 years. Of those that remarried, on average women were 43 years old and men were 44 years old. Seven percent of women and three percent of men were under the age of 20.

Marriage Trends Over the Last Decade*

2001	4,894
2002	4,757
2003	4,704
2004	4,740
2005	4,812
2006	4,889
2007	4,848
2008	4,687
2009	4,459
2010	4,277
2011	4,421



Divorce

Interesting Divorce Facts*	
Oldest Male	86
Oldest Female	87
Day Most Divorces Finalized on:	Dec 9 (28)
Marriage of Longest Duration:	47 Years
Marriage of Shortest Duration:	60 Days

In 2011, there were 2,716 divorces in the state of Wyoming. The divorce rate has remained consistent over the last three years.

The ratio of marriages to divorces was about 2 to 1, respectively.

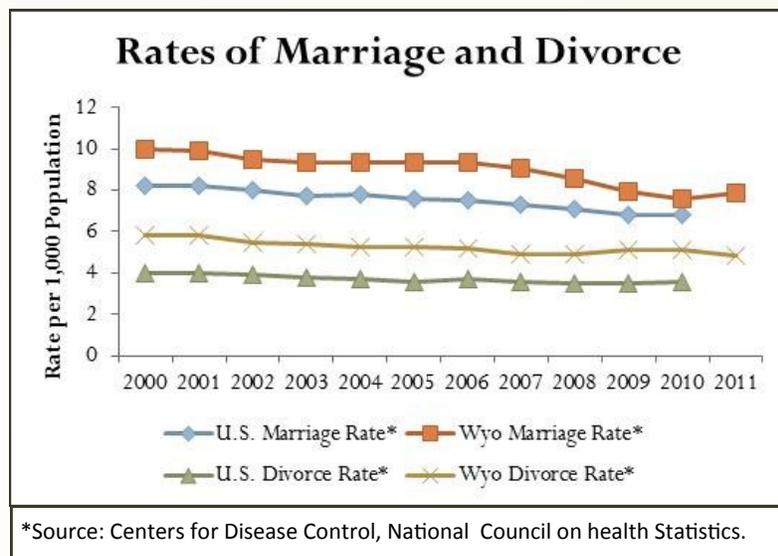
Couples without minor children made up 50% of the divorces and for another 20% only one minor child was involved.

In 2011, the most common age group for couples involved in divorces was for women and men 45 years of age or older.

The average length of time for the marriage prior to ending was 9.8 years. Thirty percent of marriages ended in divorce within four years or less.

There were 2,550 minor children affected as a result of divorces in 2011. At least one minor child was reported to be involved in half of the divorces.

The Wyoming marriage rate and divorce rate has been consistently higher than U.S marriage rate and divorce rate; however, in recent years the Wyoming rate has dropped and is approaching the U.S. average marriage rate. In 2011, the Wyoming marriage rate was 8 marriages per 1,000 people and 5 divorces per 1,000 people.



Technical Notes & For More Information

Quality of the Data

Data for the year of 2011 are as of June 1, 2012. Reports filed after that date consist of less than one percent of the reports filed, are negligible, and are omitted from this report. Multiple parties participate in the reporting of vital records data. Some of these include the hospital, funeral homes, coroners, county clerks, and parents. Due to the multiple sources, the data may not be 100% accurate. For example, some fields are self-reported behaviors from mothers immediately following the birth of their child.

Population

National and Wyoming population estimates were produced by the U.S. Census Bureau and can be found at: <http://www.census.gov>.

Deaths

Underlying causes of death in this report are established through a system known as the International Classification of Diseases, 10th Revision (ICD-10). This system promotes uniformity and comparability in the collection and presentation of mortality or death data. Periodically the World Health Organization and National Center Health Statistics modifies the ICD-10 for the use by states. Death data from 1999 forward are classified by ICD-10 and trends in mortality are comparable.

Deaths

Technical definitions can be found at the vital statistics website:

http://www.health.wyo.gov/rfhd/vital_records/index.html. ♦

For more information:

♦ This symbol used throughout the report indicates more information is available on specific tables located at http://www.health.wyo.gov/rfhd/vital_records/index.html. For any information not located on the website please email mariah.storey1@wyo.gov. For detailed requests, a data request form may be needed. The form can be accessed on the same website listed above.

