

Division of Public Health / Idaho Department of Health & Welfare

IDAHO

VITAL

December 2016

Summary and Trends 2015

STATISTICS



IDAHO DEPARTMENT OF HEALTH & WELFARE
DIVISION OF PUBLIC HEALTH

2015 IDAHO VITAL STATISTICS - SUMMARY AND TRENDS

- Contact** For more information on this report or other vital statistics, please contact the Bureau of Vital Records and Health Statistics at (208) 334-6658. This report and other reports from the Bureau of Vital Records and Health Statistics are available on the web at www.healthstatistics.dhw.idaho.gov.
- Art Design** Special thanks go to Jeff Harder of Boise, Idaho, for his excellent artwork and his design of the cover and divider pages.
- Prepared by** This report was prepared by Pam Harder, Research Analyst Supervisor, and Sonya Deakins, Senior Research Analyst, each of the Idaho Department of Health and Welfare.
- Citation** Suggested citation: *Idaho Vital Statistics- Summary and Trends 2015*, Idaho Department of Health and Welfare, Division of Public Health, Bureau of Vital Records and Health Statistics, December 2016.

TABLE OF CONTENTS

	Page
SUMMARY AND TRENDS DEFINITIONS AND FORMULAS	4
VITAL REGISTRATION AND DATA COLLECTION	8
SUMMARY AND TRENDS	9
Idaho vital statistics, 2006-2015	10
Births, deaths, marriages, divorces by numbers, 2005-2015 (graph)	11
Birth and death rates, 2005-2015 (graph) (<i>U.S., Idaho</i>)	11
Summary of 2015 births, deaths, marriages, divorces (<i>U.S., Idaho, districts, counties</i>)	12
Summary of 2015 infant, fetal, perinatal mortality (<i>U.S., Idaho, districts, counties</i>)	13
Live births, number and rate, 1920-2015	14
Teen pregnancies, number and rate by age, 2005-2015	15
Teen live births, number and rate by age, 2005-2015	15
Deaths, number and rate, 1920-2015	16
Marriages and divorces, number and rate, 1950-2015	17
Counties comprising Idaho Public Health Districts	18
SUMMARY AND TRENDS TECHNICAL NOTES	19

DEFINITIONS AND FORMULAS

Residence Data Data allocated by place of residence of the registrant, or by place of residence of the infant's parent (births, stillbirths, deaths, and abortions)

Occurrence Data Data allocated by place where event occurred, regardless of the person's place of residence (marriages, divorces, and abortions)

Marriage A personal relation arising out of a civil contract between capable consenting parties followed by the issuance of a state and federally authorized sanction, license, authentication and recording of such contract

MARRIAGE RATE -- number of marriages per 1,000 population

$$\frac{\text{marriages}}{\text{population}} \times 1,000$$

Divorce Those parties in a prior state of legal marriage in which they have been restored to the state of 'unmarried persons' due to the issuance of a decree by the judgment of a jurisdictional court

DIVORCE RATE -- number of divorces per 1,000 population

$$\frac{\text{divorces}}{\text{population}} \times 1,000$$

Induced Abortion A legal medical procedure that is intended to terminate a pregnancy without a live birth

INDUCED ABORTION RATE -- number of induced abortions per 1,000 females 15-44 years of age

$$\frac{\text{induced abortions}}{\text{females 15-44}} \times 1,000$$

INDUCED ABORTION RATIO -- number of induced abortions per 1,000 live births

$$\frac{\text{induced abortions}}{\text{live births}} \times 1,000$$

Live Birth A birth that shows any sign of life after delivery

(CRUDE) BIRTH RATE -- number of live births per 1,000 population

$$\frac{\text{live births}}{\text{population}} \times 1,000$$

FERTILITY RATE -- number of live births per 1,000 women 15-44 years of age

$$\frac{\text{all live births}}{\text{females 15-44}} \times 1,000$$

DEFINITIONS AND FORMULAS (CONTINUED)

Pregnancy (Teens)

Includes the sum of live births, induced abortions, and reportable stillbirths (only those fetal deaths with a gestational period of 20+ weeks or which weigh 350+ grams)

PREGNANCY RATE – number of pregnancies per 1,000 females within the corresponding age group indicated in data tables and graph (<15, 15-17, 15-19, 18-19)

$$\frac{\text{pregnancies}}{\text{females}} \times 1,000$$

(corresponding age group)

Low Birthweight

A live birth weighing under 2,500 grams (5 ½ pounds or less)

LOW BIRTHWEIGHT RATE (percent) -- number of low birthweight live births per 100 live births with stated birthweight

$$\frac{\text{low birthweight live births}}{\text{live births with stated birthweight}} \times 100$$

Out-of-wedlock Birth

A live birth to a women who was not married at conception, birth, or anytime between

OUT-OF-WEDLOCK RATE (percent) -- number of out-of-wedlock live births per 100 live births

$$\frac{\text{out-of-wedlock live births}}{\text{live births}} \times 100$$

Infant Death

Death of an infant under 1 year of age

INFANT MORTALITY RATE -- number of infant deaths per 1,000 live births

$$\frac{\text{infant deaths}}{\text{live births}} \times 1,000$$

Neonatal Death

Death of an infant within the first 27 days of life

NEONATAL MORTALITY RATE -- number of neonatal deaths per 1,000 live births

$$\frac{\text{neonatal deaths}}{\text{live births}} \times 1,000$$

Postneonatal Death

Death of an infant 28 days through the first 11 months of life

POSTNEONATAL MORTALITY RATE -- number of postneonatal deaths per 1,000 live births

$$\frac{\text{postneonatal deaths}}{\text{live births}} \times 1,000$$

DEFINITIONS AND FORMULAS (CONTINUED)

Stillbirth A spontaneous fetal death of at least 20 weeks gestation or a weight of at least 350 grams (does not include any induced abortions)

STILLBIRTH RATIO -- number of stillbirths per 1,000 live births

$$\frac{\text{stillbirths}}{\text{live births}} \times 1,000$$

Perinatal Death Includes stillbirths and deaths of infants within the first 6 days of life

PERINATAL MORTALITY RATIO -- number of perinatal deaths per 1,000 live births

$$\frac{\text{perinatal deaths}}{\text{live births}} \times 1,000$$

Maternal Death Death attributable to complications of pregnancy, childbirth, or the puerperium based on ICD-10 codes A34, O00-O95, and O98-O99.

MATERNAL MORTALITY RATE -- number of maternal deaths per 100,000 live births

$$\frac{\text{maternal deaths}}{\text{live births}} \times 100,000$$

Death (CRUDE) DEATH RATE -- number of deaths per 100,000 population

$$\frac{\text{deaths}}{\text{population}} \times 1,000$$

AGE-ADJUSTED DEATH RATE (DIRECT METHOD) -- number of deaths per 100,000 standard population. Age-adjusted death rates are artificial measurements and should be used only to compare to other age-adjusted death rates calculated using the same standard population. Idaho and U.S. age-adjusted rates shown were calculated using the 2000 population estimate as the standard population.

$$\frac{\text{sum of (age-specific death rates per 100,000 for selected population x standard population in corresponding age groups)}}{\text{sum of standard population}}$$

U.S. Data In this publication, there are references to provisional and preliminary U.S. data. If the U.S. statistics are not noted as provisional or preliminary, they are considered final. In either case, the most recent U.S. information is provided. The following definitions have been added to clarify the differences among the types of U.S. data.

DEFINITIONS AND FORMULAS (CONTINUED)

- U.S. Provisional Data** Prior to 1996, the National Center for Health Statistics (NCHS) released U.S. vital data and rates in two basic forms: provisional and final. Provisional data are based on monthly summary counts of birth, death, marriage, and divorce records received in state vital registration offices. Rates for 12-month periods, January through December, are the sum of events for the period per population estimated at the midpoint of the period. Provisional divorce rates are based on 44 reporting states and the District of Columbia. Provisional marriage rates are based on 50 reporting states and the District of Columbia. Populations have been estimated by NCHS for the 12-month divorce and marriage rates based on these reporting states. The 2014 U.S. marriage and divorce rates in this publication are provisional measures¹. These and U.S. provisional rates for previous years are available at: http://www.cdc.gov/nchs/nvss/marriage_divorce_tables.htm.
- U.S. Preliminary Data** Preliminary U.S. vital statistics are based on events in the 50 states and the District of Columbia. The National Center for Health Statistics believes that more than 98 percent of the births and deaths occurring in this country are registered through the state vital registration system. As of December 2016, the latest U.S. preliminary data available are 2011 for death² and 2015 for birth³.
- U.S. Final Data** Final U.S. vital statistics are based on events in the 50 states and the District of Columbia. The National Center for Health Statistics believes that more than 99 percent of the births and deaths occurring in this country are registered through the state vital registration system. As of December 2016, the latest U.S. final data available are 2014 for death⁴ and 2014 for birth⁵.

For the latest U.S. data please visit:
<http://www.cdc.gov/nchs/products/nvsr.htm>

1. "National Marriage and Divorce Rate Trends," National Vital Statistics System. November, 2016.
2. "Deaths: Preliminary Data for 2011," National Vital Statistics Reports, National Center for Health Statistics, Vol. 61, No. 6, October 10, 2012.
3. "Births: Preliminary Data for 2015," National Vital Statistics Reports, National Center for Health Statistics, Vol. 65, No. 3, June 2, 2016.
4. "Deaths: Final Data for 2014," National Vital Statistics Reports, National Center for Health Statistics, Vol. 65, No. 4, June 30, 2016.
5. "Births: Final Data for 2014," National Vital Statistics Reports, National Center for Health Statistics, Vol. 64, No. 12, December 23, 2015.

VITAL REGISTRATION AND DATA COLLECTION

Registration of Records

The Idaho Bureau of Vital Records and Health Statistics is responsible for managing Idaho's vital records program and for providing health statistics and analysis. Civil laws of every state provide for a continuous, permanent, and compulsory vital registration system. Idaho is responsible for inspecting each Idaho state record for promptness of filing, completeness, and accuracy of information; querying for missing or inconsistent information; numbering the records; preparing indexes; processing the records; issuing certified copies; and storing the documents for permanent reference and safekeeping.

Birth, Death, and Stillbirth Certificates

Registration of births, deaths, and stillbirths is a legal requirement. Most certificates of births occurring at Idaho hospitals are filed electronically. Death certificates are usually completed by physicians, coroners, and funeral directors. A stillbirth certificate must be filed for all spontaneous fetal deaths of at least 20 weeks gestation or with a weight of at least 350 grams.

Unless otherwise stated, birth, death, and stillbirth data contained in this report are provided for Idaho residents, regardless of where the event occurred. There is an agreement among all registration areas in the United States for resident exchange of copies of birth, death, and stillbirth certificates. For data analysis, the cut-off date for 2015 birth records was July 29, 2016; the cut-off date for 2015 stillbirth records was August 5, 2016; and the cut-off date for 2015 death records was July 26, 2016. Records may be sent to Idaho after these dates; they are included in the vital records mainframe database, but are not included in the databases for statistical analysis.

Marriage and Divorce Certificates

Idaho vital statistics law makes marriages and divorces occurring in Idaho reportable events. Marriages are registered with the county recorder in the county where the license was issued; divorces are filed with the clerk of the court where the divorce was granted. These records are then forwarded to the Bureau of Vital Records and Health Statistics. There is no agreement among states to exchange certificates of resident marriages or divorces that occur out of state. Marriage and divorce data provided in this annual report are based on events occurring in Idaho, regardless of the party's residence. The cut-off date for inclusion in the data base for analysis was July 12, 2016 for marriage records and September 14, 2016 for divorce records.

Induced Abortion Certificates

The reporting of induced abortions occurring in Idaho has been required by state statute since July 1, 1977. In 1984, an interstate data exchange program for abortion data was initiated nationwide, whereby Idaho obtains non-identifying information about abortions occurring to Idaho residents in other states. Data in this report are provided for both Idaho resident abortions, regardless of where the procedure occurred, and abortions occurring in Idaho to either Idaho residents or non-residents. The cut-off date for induced abortion records in the data base was July 15, 2016 for 2015 records.

SUMMARY AND TRENDS

Births	The number of Idaho resident live births in 2015 decreased by 56 births from 22,888 in 2014 to 22,832 in 2015. This is a 0.2 percent decrease in the number of resident births. The birth rate decreased 1.4 percent from 14.0 per 1,000 to 13.8 per 1,000 in 2015 after a 0.7 increase the year before.
Out-of-Wedlock Births	The number of births to unmarried women decreased 0.7 percent from 6,354 in 2014 to 6,308 in 2015. The percent of out-of-wedlock births increased to its highest level among Idaho residents in 2014 and decreased slightly in 2015. In 2015, 27.7 percent of births were born out-of-wedlock. This is a slight decrease from 27.8 percent in 2014.
Deaths	Idaho recorded the highest number of deaths in 2015 with 13,031 deaths. This was an increase of 421 deaths from 2014. The mortality rate increased by 2.6 percent, from 7.7 deaths per 1,000 population in 2014 to 7.9 in 2015.
Stillbirths	In the past ten years, the numbers of stillbirths have fluctuated from a high of 137 in 2011 to a low of 108 in 2006. In 2015, there were 142 reported stillbirths; the ratio of stillbirths to live births was 6.2 stillbirths per 1,000 live births.
Infant Deaths	The infant mortality rate was 4.6 deaths per 1,000 live births in 2015, a 16.4 percent decrease from 5.5 deaths per 1,000 births in 2014. The neonatal mortality rate decreased by 18.4 percent in 2015, from 3.8 deaths per 1,000 births in 2014 to 3.1 in 2015. The postneonatal mortality rate decreased from 1.7 per 1,000 live births in 2014 to 1.5 per 1,000 births in 2015.
Induced Abortions	The number of induced abortions among Idaho residents decreased 3.7 percent from 1,751 in 2014 to 1,686 in 2015; the rate decreased from 5.6 abortions per 1,000 females aged 15-44 to 5.3 in 2015. The number of induced abortions occurring in Idaho decreased 6.0 percent from 1,353 in 2014 to 1,272 in 2015.
Marriages	The number of marriages occurring in Idaho decreased by 199 in 2015, from 13,699 in 2014 to 13,500 in 2015. The marriage rate decreased from 8.4 marriages per 1,000 population in 2014 to 8.2 marriages per 1,000 population in 2015.
Divorces	The number of divorces occurring in Idaho decreased 1.8 percent in 2015, from 6,943 divorces in 2014 to 6,817 in 2015. The 2015 divorce rate of 4.1 per 1,000 population was slightly lower than the rate of 4.2 per 1,000 population in 2014.

IDAHO VITAL STATISTICS 2006-2015

	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006
LIVE BIRTHS	22,832	22,888	22,348	22,941	22,311	23,202	23,726	25,156	25,023	24,185
Birth Rate	13.8	14.0	13.9	14.4	14.1	14.8	15.3	16.5	16.7	16.5
Fertility Rate	71.8	72.7	71.7	74.0	72.3	75.7	77.4	83.4	83.4	80.9
Males	11,503	11,751	11,334	11,661	11,501	11,882	12,188	12,770	12,891	12,400
Females	11,329	11,137	11,014	11,280	10,810	11,320	11,538	12,386	12,132	11,785
OUT-OF-WEDLOCK LIVE BIRTHS	6,308	6,354	6,040	6,267	5,898	6,143	6,084	6,358	6,353	5,866
Percent	27.7	27.8	27.0	27.3	26.4	26.5	25.6	25.3	25.4	24.3
LOW BIRTHWEIGHT LIVE BIRTHS	1,506	1,478	1,547	1,481	1,355	1,582	1,557	1,643	1,643	1,676
Percent	6.6	6.5	6.9	6.5	6.1	6.8	6.6	6.5	6.6	6.9
DEATHS	13,031	12,610	12,426	11,993	11,990	11,411	11,065	10,927	10,742	10,556
Crude Death Rate	7.9	7.7	7.7	7.5	7.6	7.3	7.2	7.2	7.2	7.2
Age-Adjusted Death Rate	7.3	7.2	7.3	7.3	7.4	7.3	7.2	7.2	7.3	7.4
Males	6,856	6,493	6,402	6,203	6,112	5,883	5,703	5,519	5,331	5,395
Females	6,175	6,117	6,024	5,790	5,878	5,528	5,362	5,408	5,411	5,161
INFANT DEATHS	106	126	126	121	112	112	126	146	169	164
Rate	4.6	5.5	5.6	5.3	5.0	4.8	5.3	5.8	6.8	6.8
<28 Days	3.1	3.8	3.7	3.7	3.0	2.7	3.4	3.9	4.5	4.6
28 Days - <1 Year	1.5	1.7	2.0	1.6	2.0	2.1	1.9	1.9	2.2	2.2
STILLBIRTHS¹	142	114	109	115	137	123	115	128	130	108
Ratio	6.2	5.0	4.9	5.0	6.1	5.3	4.8	5.1	5.2	4.5
PERINATAL DEATHS¹	203	191	186	191	193	174	178	217	221	201
Ratio	8.9	8.3	8.3	8.3	8.7	7.5	7.5	8.6	8.8	8.3
MATERNAL DEATHS²	8	3	9	3	2	5	3	4	5	3
Rate/100,000 births	35.0	13.1	40.3	13.1	9.0	21.5	12.6	15.9	20.0	12.4
INDUCED ABORTIONS										
Idaho Residents	1,686	1,751	1,794	1,916	2,005	2,123	2,348	2,132	2,160	1,919
Rate	5.3	5.6	5.8	6.2	6.5	6.9	7.7	7.1	7.2	6.4
Ratio births to residents	73.8	76.5	80.3	83.5	89.9	91.5	99.0	84.8	86.3	79.3
Occurring in Idaho ³	1,272	1,353	1,375	1,458	1,440	1,510	1,650	1,481	1,442	1,249
Ratio births in Idaho	56.6	60.2	62.5	64.8	65.9	66.2	71.0	60.0	59.0	52.7
MARRIAGES³	13,500	13,699	13,207	13,114	13,696	13,757	13,771	14,641	14,973	14,855
Rate	8.2	8.4	8.2	8.2	8.6	8.8	8.9	9.6	10.0	10.1
DIVORCES³	6,817	6,943	7,248	7,598	7,773	8,136	7,729	7,424	7,344	7,392
Rate	4.1	4.2	4.5	4.8	4.9	5.2	5.0	4.9	4.9	5.0

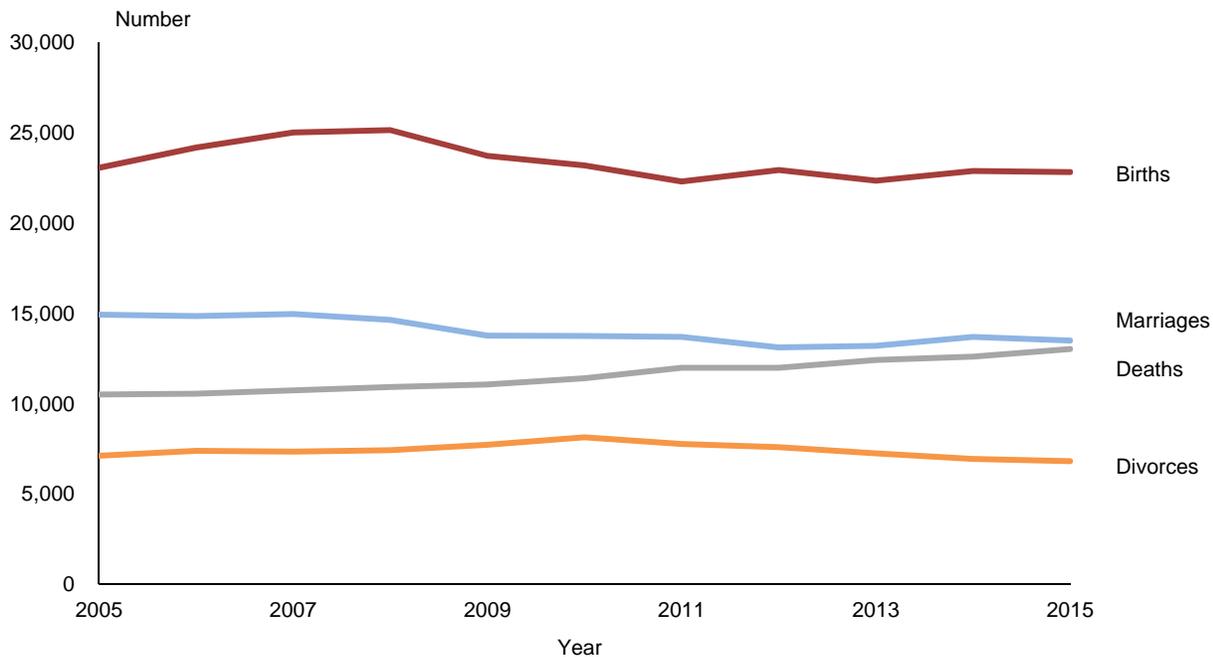
1. Number and ratio of stillbirths and perinatal deaths in 2005 may differ from previously published data due to revisions in the database.

2. In 2003, a question on pregnancy status among females aged 10-54 was added to the Idaho death certificate resulting in the identification of more maternal deaths. Maternal death data for 2003 and after are not comparable with data prior to 2003.

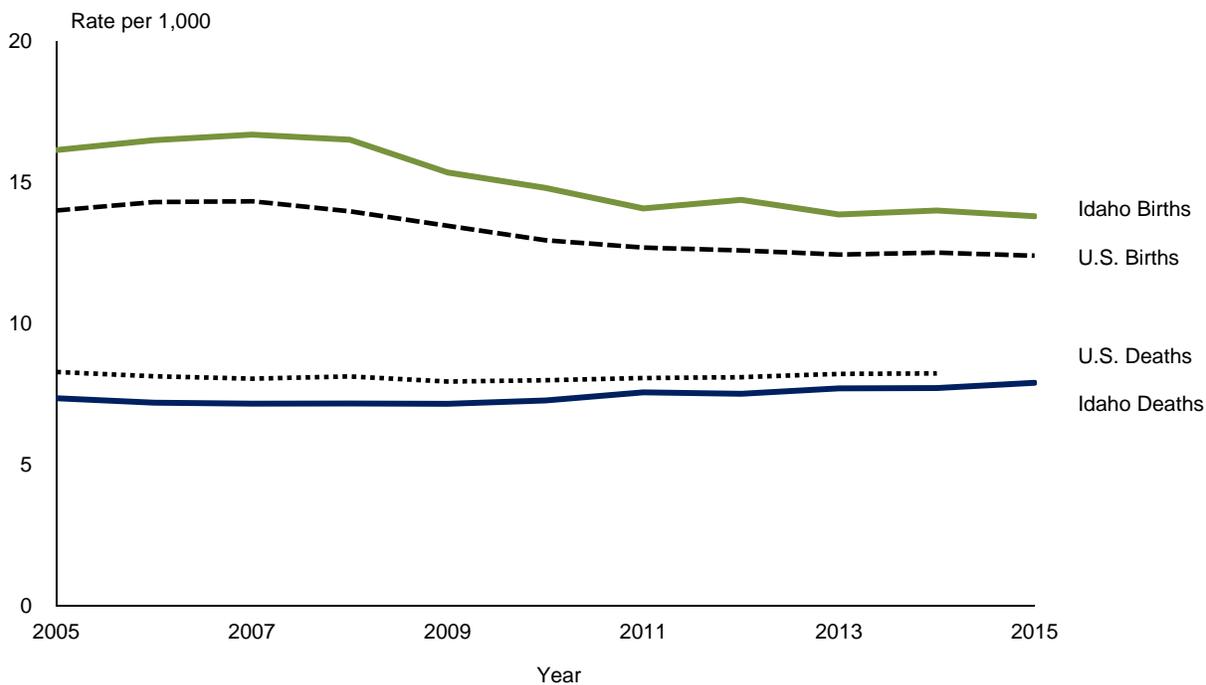
3. Marriage, divorce, and specified abortion data are for events occurring in Idaho; all other data reflect events occurring to Idaho residents.

Note: All rates are per 1,000 unless otherwise stated; see Definitions and Formulas for specific rates and ratio definitions.

IDAHO VITAL STATISTICS Births, Deaths, Marriages, Divorces 2005-2015



Idaho and U.S. Birth and Death Rates 2005-2015



SUMMARY OF IDAHO VITAL STATISTICS

Births, Deaths, Marriages, Divorces

2015

	POPULATION July 1, 2015 ¹	LIVE BIRTHS ²		DEATHS ²		MARRIAGES ³		DIVORCES ³	
		Number	Rate	Number	Rate	Number	Rate	Number	Rate
U.S. Rates		12.4 (2015 Preliminary)		8.2 (2014 Final)		6.9 (2014 Provisional)		3.2 (2014 Provisional)	
IDAHO	1,654,930	22,832	13.8	13,031	7.9	13,500	8.2	6,817	4.1
District 1	225,007	2,652	11.8	2,181	9.7	3,052	13.6	1,001	4.4
District 2	107,383	1,219	11.4	1,052	9.8	762	7.1	412	3.8
District 3	272,363	3,965	14.6	2,165	7.9	1,648	6.1	1,117	4.1
District 4	477,248	5,679	11.9	3,230	6.8	3,805	8.0	2,065	4.3
District 5	192,395	2,777	14.4	1,572	8.2	1,430	7.4	839	4.4
District 6	168,930	2,556	15.1	1,367	8.1	967	5.7	575	3.4
District 7	211,604	3,984	18.8	1,464	6.9	1,836	8.7	808	3.8
Ada	434,211	5,118	11.8	2,892	6.7	3,228	7.4	1,887	4.3
Adams	3,843	26	6.8	34	8.8	22	5.7	24	6.2
Bannock	83,744	1,258	15.0	676	8.1	502	6.0	274	3.3
Bear Lake	5,922	70	11.8	46	7.8	47	7.9	16	2.7
Benewah	9,052	115	12.7	141	15.6	54	6.0	33	3.6
Bingham	44,990	734	16.3	369	8.2	235	5.2	165	3.7
Blaine	21,592	237	11.0	112	5.2	170	7.9	74	3.4
Boise	7,058	41	5.8	51	7.2	78	11.1	7	1.0
Bonner	41,859	378	9.0	442	10.6	359	8.6	160	3.8
Bonneville	110,089	1,969	17.9	817	7.4	829	7.5	555	5.0
Boundary	11,318	143	12.6	101	8.9	85	7.5	33	2.9
Butte	2,501	27	10.8	25	10.0	18	7.2	3	1.2
Camas	1,066	11	10.3	4	3.8	14	13.1	4	3.8
Canyon	207,478	3,174	15.3	1,477	7.1	1,190	5.7	854	4.1
Caribou	6,770	86	12.7	59	8.7	44	6.5	19	2.8
Cassia	23,506	345	14.7	214	9.1	154	6.6	107	4.6
Clark	880	9	10.2	7	8.0	7	8.0	1	1.1
Clearwater	8,496	56	6.6	114	13.4	82	9.7	16	1.9
Custer	4,087	35	8.6	49	12.0	76	18.6	8	2.0
Elmore	25,876	432	16.7	193	7.5	216	8.3	140	5.4
Franklin	13,074	198	15.1	87	6.7	69	5.3	57	4.4
Fremont	12,819	174	13.6	126	9.8	90	7.0	26	2.0
Gem	16,852	215	12.8	208	12.3	147	8.7	89	5.3
Gooding	15,284	202	13.2	124	8.1	100	6.5	43	2.8
Idaho	16,272	168	10.3	184	11.3	110	6.8	51	3.1
Jefferson	27,157	483	17.8	171	6.3	166	6.1	76	2.8
Jerome	22,814	422	18.5	156	6.8	177	7.8	73	3.2
Kootenai	150,346	1,856	12.3	1,330	8.8	2,469	16.4	709	4.7
Latah	38,778	466	12.0	206	5.3	227	5.9	120	3.1
Lemhi	7,735	88	11.4	115	14.9	62	8.0	22	2.8
Lewis	3,789	46	12.1	35	9.2	24	6.3	13	3.4
Lincoln	5,297	86	16.2	41	7.7	19	3.6	19	3.6
Madison	38,273	1,060	27.7	137	3.6	529	13.8	81	2.1
Minidoka	20,461	304	14.9	171	8.4	151	7.4	72	3.5
Nez Perce	40,048	483	12.1	513	12.8	319	8.0	197	4.9
Oneida	4,281	53	12.4	42	9.8	16	3.7	14	3.3
Owyhee	11,310	145	12.8	100	8.8	64	5.7	17	1.5
Payette	22,896	292	12.8	228	10.0	165	7.2	93	4.1
Power	7,648	130	17.0	63	8.2	36	4.7	13	1.7
Shoshone	12,432	160	12.9	167	13.4	85	6.8	54	4.3
Teton	10,564	166	15.7	42	4.0	77	7.3	39	3.7
Twin Falls	82,375	1,170	14.2	750	9.1	645	7.8	447	5.4
Valley	10,103	88	8.7	94	9.3	283	28.0	31	3.1
Washington	9,984	113	11.3	118	11.8	60	6.0	40	4.0

1. Source for population: U.S. Bureau of the Census, Internet release June 28, 2016.

2. Births, deaths: county of residence. Rate: number per 1,000 population.

3. Marriages, divorces: county of occurrence. Divorces by county will not total district and state totals because tribal court divorces are not included in county totals; tribal court divorces are included in district totals. Rate: number per 1,000 population.

SUMMARY OF IDAHO VITAL STATISTICS
Resident Infant, Fetal, Perinatal Mortality
2014 U.S. and 2015 Idaho

RESIDENCE	TOTAL LIVE BIRTHS	INFANT DEATHS		STILLBIRTHS		PERINATAL DEATHS	
		Number	Rate	Number	Ratio	Number	Ratio
U.S. Rate		5.8 (2014 Final)		NA		NA	
IDAHO	22,832	106	4.6	142	6.2	203	8.9
District 1	2,652	12	4.5	14	5.3	20	7.5
District 2	1,219	5	4.1	9	7.4	14	11.5
District 3	3,965	21	5.3	26	6.6	42	10.6
District 4	5,679	25	4.4	36	6.3	49	8.6
District 5	2,777	15	5.4	17	6.1	23	8.3
District 6	2,556	10	3.9	16	6.3	22	8.6
District 7	3,984	18	4.5	24	6.0	33	8.3
Ada	5,118	22	4.3	33	6.4	45	8.8
Adams	26	-	-	-	-	-	-
Bannock	1,258	5	4.0	7	5.6	11	8.7
Bear Lake	70	-	-	-	-	-	-
Benewah	115	-	-	3	26.1	3	26.1
Bingham	734	4	5.4	7	9.5	8	10.9
Blaine	237	2	8.4	2	8.4	2	8.4
Boise	41	-	-	2	48.8	2	48.8
Bonner	378	5	13.2	-	-	3	7.9
Bonneville	1,969	11	5.6	16	8.1	22	11.2
Boundary	143	-	-	2	14.0	2	14.0
Butte	27	-	-	-	-	-	-
Camas	11	-	-	-	-	-	-
Canyon	3,174	16	5.0	23	7.2	34	10.7
Caribou	86	-	-	-	-	-	-
Cassia	345	1	2.9	5	14.5	6	17.4
Clark	9	-	-	-	-	-	-
Clearwater	56	1	17.9	-	-	1	17.9
Custer	35	-	-	-	-	-	-
Elmore	432	2	4.6	1	2.3	2	4.6
Franklin	198	1	5.1	-	-	1	5.1
Fremont	174	2	11.5	2	11.5	3	17.2
Gem	215	2	9.3	-	-	2	9.3
Gooding	202	2	9.9	2	9.9	3	14.9
Idaho	168	1	6.0	1	6.0	2	11.9
Jefferson	483	-	-	2	4.1	2	4.1
Jerome	422	-	-	1	2.4	1	2.4
Kootenai	1,856	7	3.8	7	3.8	10	5.4
Latah	466	2	4.3	5	10.7	7	15.0
Lemhi	88	1	11.4	-	-	-	-
Lewis	46	-	-	-	-	-	-
Lincoln	86	1	11.6	1	11.6	1	11.6
Madison	1,060	4	3.8	4	3.8	6	5.7
Minidoka	304	2	6.6	2	6.6	2	6.6
Nez Perce	483	1	2.1	3	6.2	4	8.3
Oneida	53	-	-	1	18.9	1	18.9
Owyhee	145	1	6.9	1	6.9	2	13.8
Payette	292	2	6.8	2	6.8	4	13.7
Power	130	-	-	1	7.7	1	7.7
Shoshone	160	-	-	2	12.5	2	12.5
Teton	166	-	-	-	-	-	-
Twin Falls	1,170	7	6.0	4	3.4	8	6.8
Valley	88	1	11.4	-	-	-	-
Washington	113	-	-	-	-	-	-

Infant death rate: Number of infant deaths under one year of age per 1,000 live births.

Stillbirth ratio: Number of spontaneous fetal deaths of at least 20 weeks gestation or a weight of 350 grams per 1,000 live births.

Perinatal ratio: Number of stillbirths plus infant deaths within the first 6 days of life per 1,000 live births.

NA: not available.

IDAHO BIRTHS
Number and Rate per 1,000 Population
1920-2015

IDAHO BIRTHS								
Year	Number	Rate	Year	Number	Rate	Year	Number	Rate
1920	10,227	25.2	1952	16,402	26.4	1984	17,988	18.2
1921	10,885	NA	1953	16,499	26.0	1985	17,553	17.7
1922	10,500	NA	1954	16,747	25.9	1986	16,436	16.6
1923	10,047	NA	1955	16,705	25.4	1987	15,927	16.2
1924	9,872	NA	1956	16,428	24.5	1988	15,730	16.0
1925	9,070	NA	1957	16,500	23.9	1989	15,868	16.0
1926	10,128	NA	1958	16,732	24.1	1990	16,442	16.3
1927	9,777	NA	1959	17,009	25.7	1991	16,789	16.2
1928	9,099	NA	1960	17,016	25.5	1992	17,318	16.2
1929	9,925	NA	1961	16,701	24.7	1993	17,411	15.8
1930	9,711	21.8	1962	16,303	23.7	1994	17,541	15.4
1931	9,908	NA	1963	14,734	21.0	1995	18,003	15.5
1932	8,887	NA	1964	14,080	20.5	1996	18,564	15.6
1933	8,448	NA	1965	13,370	19.3	1997	18,537	15.3
1934	9,594	NA	1966	12,978	18.7	1998	19,350	15.7
1935	9,763	NA	1967	12,762	18.3	1999	19,870	15.9
1936	10,367	NA	1968	13,101	18.6	2000	20,305	15.7
1937	10,631	NA	1969	13,468	18.9	2001	20,686	15.7
1938	11,376	NA	1970	14,540	20.4	2002	20,973	15.6
1939	11,307	NA	1971	14,387	19.5	2003	21,794	16.0
1940	11,761	22.4	1972	14,250	18.9	2004	22,529	16.2
1941	11,970	NA	1973	14,507	18.7	2005	23,064	16.1
1942	11,537	NA	1974	15,570	19.5	2006	24,185	16.5
1943	12,675	NA	1975	16,242	20.0	2007	25,023	16.7
1944	12,432	NA	1976	17,322	20.8	2008	25,156	16.5
1945	11,811	NA	1977	18,813	22.0	2009	23,726	15.3
1946	13,495	NA	1978	19,355	21.9	2010	23,202	14.8
1947	15,940	NA	1979	19,919	22.0	2011	22,311	14.1
1948	15,720	NA	1980	20,140	21.3	2012	22,941	14.4
1949	15,802	NA	1981	19,488	20.3	2013	22,348	13.9
1950	15,666	26.6	1982	19,581	20.4	2014	22,888	14.0
1951	16,182	26.6	1983	18,742	19.0	2015	22,832	13.8

NA: Birth rates for 1921-1929, 1931-1939, and 1941-1949 are not available because population estimates are not available.
 Births from 1920 to 1963 are numbers occurring in Idaho regardless of person's state of residence.
 Births from 1964 to 2015 are numbers occurring to residents of Idaho, regardless of state of occurrence.
 Birth rate: number of births per 1,000 population in corresponding year.

Source for population: 1920, 1930, 1940, 1950, 1960, 1970, 1980, 1990, 2000, and 2010 are Census estimates from the U.S. Census Bureau. Population estimates for 1951-1959 are in-house estimates based on the average annual change in the population from 1950 and 1960 based on 1950 and 1960 Census. Rates from 1961 to the present, not including the census years, are based on number of births and postcensal estimates provided in the corresponding Vital Statistics annual report. Population estimates may have been revised since the publication of the annual reports.

IDAHO RESIDENT TEEN PREGNANCIES¹
Number of Pregnancies and Rates² by Age
2004-2015

YEAR	IDAHO RESIDENT PREGNANCIES BY AGE							
	<15		15-19		15-17		18-19	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
2004	20	0.4	2,396	45.2	655	20.9	1,741	80.2
2005	28	0.6	2,387	44.7	659	20.8	1,728	79.7
2006	31	0.6	2,543	46.5	762	22.9	1,781	83.3
2007	25	0.5	2,702	49.5	788	23.9	1,914	88.7
2008	25	0.5	2,672	48.7	781	23.8	1,891	85.5
2009	23	0.4	2,458	43.3	690	21.2	1,768	73.1
2010	27	0.5	2,218	39.3	618	18.5	1,600	69.4
2011	21	0.4	1,921	33.6	488	14.6	1,433	60.5
2012	17	0.3	1,891	34.1	496	14.8	1,395	63.6
2013	15	0.3	1,657	29.9	375	11.1	1,282	59.6
2014	14	0.2	1,541	27.5	369	10.7	1,172	54.1
2015	15	0.2	1,509	26.4	372	10.6	1,137	51.7

1. Pregnancies include live births, induced abortions, and reportable stillbirths (only those fetal deaths with a gestational period of 20+ weeks or which weigh 350+ grams are required to be reported under Idaho law).
 2. Pregnancy rate: Number of pregnancies per 1,000 females in corresponding age group. Rates for <15 age group are based on pregnancies to females aged < 15 and population for females aged 10-14.
- Data may differ from previous publications due to updates in the data base, revisions in population estimates, and standardization of file cutoff dates.

IDAHO RESIDENT TEEN LIVE BIRTHS
Number of Births and Rates¹ by Age
2004-2015

YEAR	IDAHO RESIDENT LIVE BIRTHS BY AGE							
	<15		15-19		15-17		18-19	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
2004	14	0.3	2,058	38.8	525	16.8	1,533	70.6
2005	19	0.4	2,019	37.8	532	16.8	1,487	68.6
2006	18	0.3	2,148	39.3	597	17.9	1,551	72.5
2007	17	0.3	2,260	41.4	628	19.0	1,632	75.6
2008	18	0.3	2,262	41.2	651	19.9	1,611	72.9
2009	15	0.3	2,031	35.8	548	16.8	1,483	61.3
2010	13	0.2	1,864	33.0	505	15.1	1,359	58.9
2011	15	0.3	1,584	27.7	385	11.5	1,199	50.6
2012	9	0.2	1,567	28.3	391	11.7	1,176	53.6
2013	11	0.2	1,426	25.7	311	9.2	1,115	51.9
2014	7	0.1	1,302	23.2	311	9.0	991	45.7
2015	11	0.2	1,285	22.5	299	8.5	986	44.8

1. Live birth rate: Number of live births per 1,000 females in corresponding age group. Rates for <15 age group are based on births to females aged < 15 and population for females aged 10-14.

IDAHO DEATHS
Number and Rate per 1,000 Population
1920-2015

IDAHO DEATHS								
Year	Number	Rate	Year	Number	Rate	Year	Number	Rate
1920	3,319	7.7	1952	4,722	7.6	1984	7,229	7.2
1921	3,638	NA	1953	4,902	7.7	1985	7,105	7.1
1922	3,729	NA	1954	4,773	7.3	1986	7,345	7.4
1923	3,406	NA	1955	4,836	7.3	1987	7,305	7.4
1924	3,791	NA	1956	4,931	7.3	1988	7,654	7.8
1925	3,488	NA	1957	5,095	7.4	1989	7,386	7.4
1926	3,910	NA	1958	5,092	7.3	1990	7,386	7.3
1927	3,781	NA	1959	5,295	7.9	1991	7,678	7.4
1928	3,931	NA	1960	5,252	7.9	1992	7,870	7.4
1929	4,640	NA	1961	5,357	7.9	1993	8,360	7.6
1930	4,246	9.5	1962	5,362	7.8	1994	8,394	7.4
1931	4,117	NA	1963	5,619	8.0	1995	8,491	7.3
1932	3,920	NA	1964	5,833	8.4	1996	8,706	7.3
1933	4,106	NA	1965	5,939	8.6	1997	8,952	7.4
1934	4,502	NA	1966	5,939	8.6	1998	9,141	7.4
1935	4,604	NA	1967	5,898	8.4	1999	9,508	7.6
1936	5,003	NA	1968	6,000	8.5	2000	9,535	7.4
1937	4,852	NA	1969	6,119	8.6	2001	9,751	7.4
1938	4,566	NA	1970	6,146	8.6	2002	9,909	7.4
1939	4,796	NA	1971	6,336	8.6	2003	10,364	7.6
1940	4,897	9.3	1972	6,283	8.3	2004	10,013	7.2
1941	4,466	NA	1973	6,465	8.3	2005	10,513	7.4
1942	4,627	NA	1974	6,452	8.1	2006	10,556	7.2
1943	4,712	NA	1975	6,505	8.0	2007	10,742	7.2
1944	4,650	NA	1976	6,635	8.0	2008	10,927	7.2
1945	4,615	NA	1977	6,448	7.5	2009	11,065	7.2
1946	4,540	NA	1978	6,487	7.4	2010	11,411	7.3
1947	4,666	NA	1979	6,386	7.1	2011	11,990	7.6
1948	4,782	NA	1980	6,753	7.2	2012	11,993	7.5
1949	4,577	NA	1981	6,902	7.2	2013	12,426	7.7
1950	4,698	8.0	1982	6,924	7.1	2014	12,610	7.7
1951	4,891	8.0	1983	7,204	7.3	2015	13,031	7.9

NA: Death rates for 1921-1929, 1931-1939, and 1941-1949 are not available because population estimates are not available.
Deaths from 1920 to 1963 are numbers occurring in Idaho regardless of person's state of residence.
Deaths from 1964 to 2015 are numbers occurring to residents of Idaho, regardless of state of occurrence.
Death rate: number of deaths per 1,000 population in corresponding year.

Source for population: 1920, 1930, 1940, 1950, 1960, 1970, 1980, 1990, 2000, and 2010 are Census estimates from the U.S. Census Bureau. Population estimates for 1951-1959 are in-house estimates based on the average annual change in the population from 1950 and 1960 based on 1950 and 1960 Census. Rates from 1961 to the present, not including the census years, are based on number of deaths and postcensal estimates provided in the corresponding Vital Statistics annual report. Population estimates may have been revised since the publication of the annual reports.

MARRIAGES AND DIVORCES OCCURRING IN IDAHO
Number and Rate per 1,000 Population
1950-2015

MARRIAGES OCCURRING IN IDAHO					
Year	Number	Rate	Year	Number	Rate
1950	8,345	14.2	1983	13,421	13.6
1951	7,849	13.2	1984	13,264	13.3
1952	8,120	13.4	1985	12,277	12.2
1953	8,486	13.9	1986	11,957	11.9
1954	8,915	14.4	1987	11,428	11.5
1955	8,879	14.1	1988	12,165	12.3
1956	9,132	14.4	1989	13,193	13.3
1957	8,995	14.0	1990	14,064	13.9
1958	9,522	14.6	1991	14,352	13.8
1959	9,343	14.2	1992	14,458	13.6
1960	10,325	15.5	1993	14,836	13.5
1961	11,151	16.5	1994	14,895	13.1
1962	11,934	17.4	1995	15,106	13.0
1963	12,680	18.1	1996	15,027	12.7
1964	14,019	20.4	1997	15,114	12.5
1965	15,864	22.9	1998	15,266	12.4
1966	17,129	24.6	1999	15,489	12.4
1967	14,108	20.1	2000	15,057	11.6
1968	11,130	16.0	2001	14,820	11.2
1969	10,993	15.5	2002	14,683	10.9
1970	10,915	15.3	2003	14,867	10.9
1971	11,356	15.4	2004	14,997	10.8
1972	12,086	16.0	2005	14,933	10.4
1973	12,236	15.8	2006	14,855	10.1
1974	12,489	15.7	2007	14,973	10.0
1975	12,688	15.6	2008	14,641	9.6
1976	13,104	15.8	2009	13,771	8.9
1977	13,691	16.0	2010	13,757	8.8
1978	13,570	15.4	2011	13,696	8.6
1979	13,429	14.8	2012	13,114	8.2
1980	13,428	14.2	2013	13,207	8.2
1981	14,175	14.7	2014	13,699	8.4
1982	14,066	14.4	2015	13,500	8.2

DIVORCES OCCURRING IN IDAHO					
Year	Number	Rate	Year	Number	Rate
1950	2,696	4.6	1983	6,228	6.3
1951	2,569	4.3	1984	6,210	6.3
1952	2,586	4.3	1985	6,207	6.2
1953	2,584	4.2	1986	6,067	6.1
1954	2,523	4.1	1987	5,892	6.0
1955	2,414	3.8	1988	5,987	6.1
1956	2,214	3.5	1989	6,275	6.3
1957	2,360	3.7	1990	6,446	6.4
1958	2,372	3.6	1991	6,619	6.4
1959	2,652	4.0	1992	6,857	6.4
1960	2,515	3.8	1993	6,899	6.3
1961	2,685	4.0	1994	6,799	6.0
1962	2,547	3.7	1995	6,749	5.8
1963	2,798	4.0	1996	6,985	5.9
1964	2,876	4.1	1997	7,035	5.8
1965	2,874	4.2	1998	6,980	5.7
1966	3,062	4.4	1999	6,947	5.6
1967	3,183	4.6	2000	7,110	5.5
1968	3,278	4.7	2001	7,025	5.3
1969	3,506	5.0	2002	7,087	5.3
1970	3,612	5.1	2003	7,080	5.2
1971	3,664	5.0	2004	6,921	5.0
1972	3,847	5.1	2005	7,118	5.0
1973	4,341	5.6	2006	7,392	5.0
1974	4,808	6.0	2007	7,344	4.9
1975	5,203	6.4	2008	7,424	4.9
1976	5,699	6.8	2009	7,729	5.0
1977	6,013	7.0	2010	8,136	5.2
1978	6,356	7.2	2011	7,773	4.9
1979	6,449	7.1	2012	7,598	4.8
1980	6,596	7.0	2013	7,248	4.5
1981	6,770	7.0	2014	6,943	4.2
1982	6,238	6.4	2015	6,817	4.1

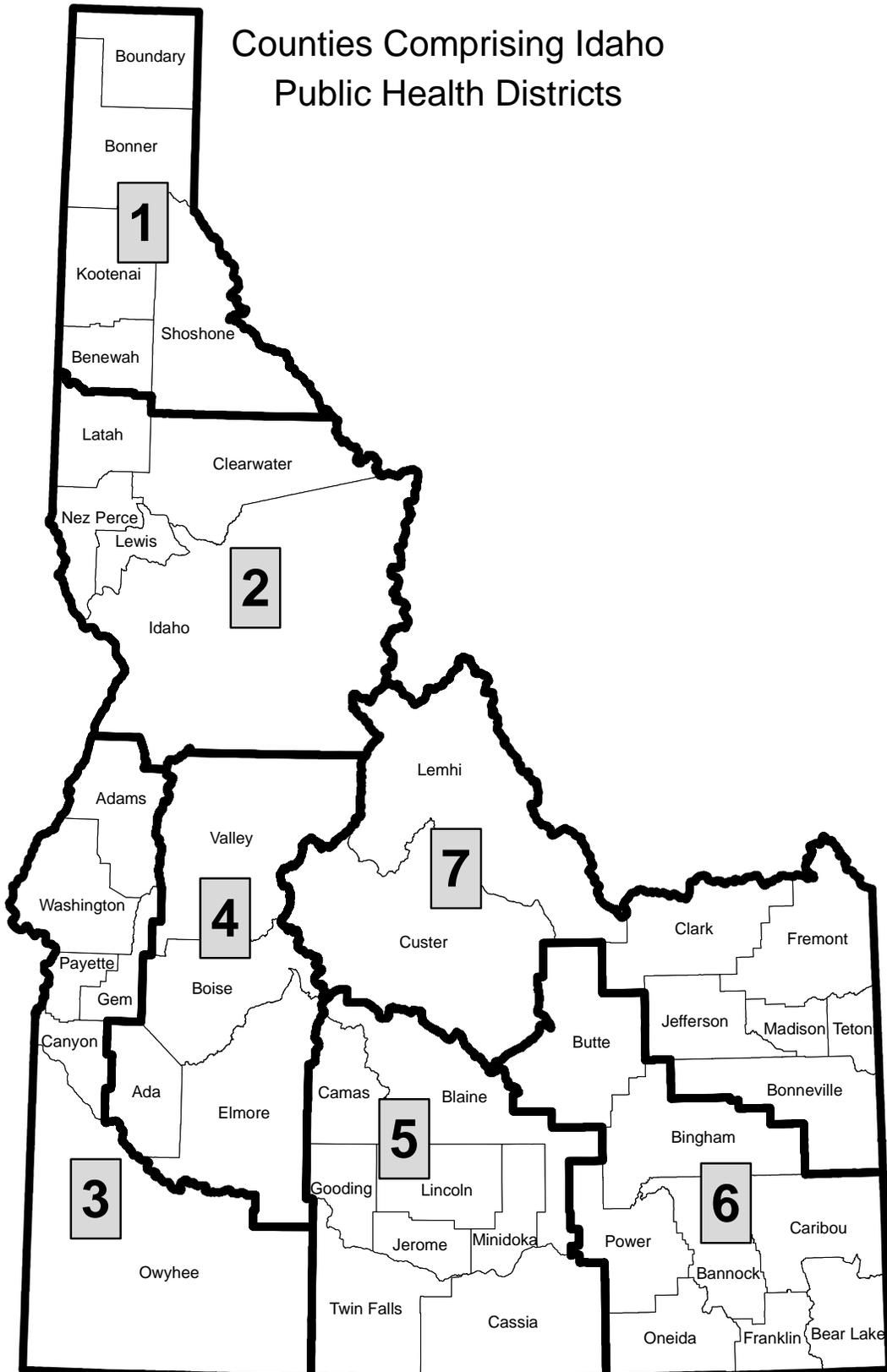
Note: Marriage and divorce partner's residency may have been in Idaho or out of state.

Marriage rate: Number of marriages occurring in Idaho per 1,000 population in Idaho in corresponding year.

Divorce rate: Number of divorces occurring in Idaho per 1,000 population in Idaho in corresponding year.

Source for population: 1950, 1960, 1970, 1980, 1990, 2000, and 2010 are Census estimates from the U.S. Census Bureau. Population estimates for 1951-1959 are in-house estimates based on the average annual change in the population from 1950 and 1960 based on 1950 and 1960 Census. Rates from 1961 to the present not including the census years, are based on number of births and postcensal estimates provided in the corresponding Vital Statistics annual report. Population estimates may have been revised since the publication of the annual reports.

Counties Comprising Idaho Public Health Districts



District 1	District 2	District 3	District 4	District 5	District 6	District 7
Benewah	Clearwater	Adams	Ada	Blaine	Bannock	Bonneville
Bonner	Idaho	Canyon	Boise	Camas	Bear Lake	Clark
Boundary	Latah	Gem	Elmore	Cassia	Bingham	Custer
Kootenai	Lewis	Owyhee	Valley	Gooding	Butte	Fremont
Shoshone	Nez Perce	Payette		Jerome	Caribou	Jefferson
		Washington		Lincoln	Franklin	Lemhi
				Minidoka	Oneida	Madison
				Twin Falls	Power	Teton

TECHNICAL NOTES

Summary and Trends

Is Infant Living at Time of Report? If the infant is not living at time of report, there is follow-up at the Bureau of Vital Records and Health Statistics to obtain a matching infant death certificate from the state of death.

Cause-of-Death Mortality statistics are compiled in accordance with the World Health Organization (WHO) regulations, which specify that member nations, including the United States, classify and code causes of death in accordance with the International Statistical Classification of Diseases and Related Health Problems. The tenth revision of the International Classification of Diseases (ICD-10) was implemented in the United States beginning with deaths occurring in 1999 and replaces the ninth revision of the ICD (ICD-9), which was used from 1979 through 1998. Some changes from ICD-9 to ICD-10 include:

1. ICD-10 is far more detailed, with about 8,000 categories compared with 4,000 categories in ICD-9.
2. ICD-10 uses 4-digit alphanumeric codes, compared to 4-digit numeric codes in ICD-9.
3. Some cause-of-death titles have been changed, and conditions have been regrouped.
4. Some cause-of-death coding rules have been changed.

Mortality Rates Age Adjusted to the Year 2000 U.S. Standard Age adjustment is a statistical technique used to standardize rates. The technique is employed when comparing two or more populations with different age distributions. Age-adjusted rates are artificial measures for comparison purposes only and should not be used to measure the absolute magnitude of a health issue. To allow for comparison, the same standard population must be used. If different standard populations are used to compute the age-adjusted rates (1940 and 2000, for example), then the age-adjusted rates are NOT comparable. Statistically, it is a weighted average of the age-specific death rates, where the weights represent the fixed population proportions by age.

There are two methods for age-adjusting rates: direct and indirect. In this report, Idaho age-adjusted rates were developed using the following steps for the direct method:

- 1) Calculate **age-specific rates** for the 11 age groups used in the 2000 standard million: less than 1, 1-4, 5-14, 15-24, 25-34, 35-44, 45-54, 55-64, 65-74, 75-84, and 85 and older.
$$\frac{\text{(Annual number of deaths in age group)}}{\text{(Population of age group for corresponding year)}}$$
- 2) Calculate **expected number of deaths** for each age group.
$$\text{(2000 U.S. standard million population of age group)} * \text{(Age-specific rate)}$$

**Mortality Rates
Age Adjusted
to the Year
2000 U.S.
Standard**

- 3) Calculate **total expected number of deaths.**
(Sum of expected deaths for all age groups)
- 4) Calculate **age-adjusted rate per 100,000 persons.**
(Total expected deaths)
(Standard million) *100,000

YEAR 2000 U.S. STANDARD POPULATION			
All ages	1,000,000	35-44 years	162,613
Under 1 year	13,818	45-54 years	134,834
1-4 years	55,317	55-64 years	87,247
5-14 years	145,565	65-74 years	66,037
15-24 years	138,646	75-84 years	44,842
25-34 years	135,573	85+ years	15,508

Costs associated with this publication are available from
Idaho Department of Health and Welfare.
HW-1206 December 2016