



# IDAHO VITAL STATISTICS

Mortality 2018

Bureau of Vital Records and Health Statistics  
Division of Public Health  
February 2020

## 2018 IDAHO VITAL STATISTICS - MORTALITY

<b>Contact</b>	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 <a href="http://healthstatistics.dhw.idaho.gov">healthstatistics.dhw.idaho.gov</a> .
<b>Prepared by</b>	This report was prepared by Pam Harder, Research Analyst Supervisor, of the Idaho Department of Health and Welfare.
<b>Suggested citation</b>	<i>Idaho Vital Statistics-Mortality 2018</i> , Idaho Department of Health and Welfare, Division of Public Health, Bureau of Vital Records and Health Statistics, February 2020.

# TABLE OF CONTENTS

	Page
<b>MORTALITY DEFINITIONS AND FORMULAS .....</b>	<b>5</b>
<b>VITAL REGISTRATION AND DATA COLLECTION .....</b>	<b>8</b>
<b>MORTALITY .....</b>	<b>9</b>
2014-2018 Mortality: number and rates ( <i>U.S., Idaho, Districts, counties</i> ) .....	13
2018 Mortality: age at death ( <i>Idaho, Districts, counties</i> ).....	14
2018 Mortality: sex, race and ethnicity ( <i>Idaho, Districts, counties</i> ).....	15
2018 Mortality: ten leading causes, percent of deaths, crude rates and age-adjusted rates ( <i>U.S., Idaho</i> ).....	16
2018 Mortality: ten leading causes by sex, percent of deaths, crude rates and age-adjusted rates ( <i>U.S., Idaho</i> ).....	17
2018 Mortality: ten leading causes by age group (total) .....	18
2018 Mortality: ten leading causes by age group (males) .....	19
2018 Mortality: ten leading causes by age group (females) .....	20
2018 Mortality: ten leading causes of premature mortality, total and by sex, based on years of potential life lost before age 75 .....	21
2018 Mortality: life expectancy, by age and sex ( <i>Idaho, Districts</i> ).....	22
2018 Mortality: malignant neoplasms by leading site of cancer ( <i>Idaho, Districts, counties</i> ) .....	23
2018 Mortality: malignant neoplasms by leading site of cancer by sex ( <i>Idaho, Districts, counties</i> )	24
2018 Mortality: primary site of malignant neoplasms by sex .....	25
2018 Mortality: leading causes ( <i>Idaho, Districts, counties</i> ).....	27
2018 Mortality: 113 selected causes by age group and sex.....	29
2018 Mortality: accidental deaths by age group and sex.....	40
2014-2018 Mortality: ten leading causes of injury mortality by age group.....	46
2018 Mortality: accidental deaths by type of accident ( <i>Idaho, Districts, counties</i> ) .....	47
2018 Mortality: accidental deaths by place of injury and accident type.....	48
2018 Mortality: work injury deaths occurring in Idaho by manner, sex, and age.....	49
2018 Mortality: accidental work injury deaths occurring in Idaho by sex, age and place of injury ..	49
2018 Mortality: drug-induced, drug overdose, and accidental drug deaths ( <i>U.S., Idaho, Districts</i> ) by age group and sex ( <i>Idaho</i> ) .....	50
2008-2018 Mortality: drug-induced, drug overdose, and accidental drug deaths: numbers and rates .....	51
2018 Mortality: drug-induced, drug overdose, and accidental drug deaths based on years of potential life lost before age 75 .....	51
2018 Mortality: drug-induced, drug overdose, and accidental drug deaths by type of drug reported on the death certificate.....	52

2018 Mortality: alcohol-induced and firearm injury ( <i>U.S., Idaho, Districts</i> ) by age group, sex, and manner ( <i>Idaho</i> ) .....	53
2018 Mortality: alcohol-induced and firearm injury deaths based on years of potential life lost before age 75 .....	53
2018 Mortality: disposition method ( <i>Idaho, Districts, counties</i> ).....	54
<b>INFANT, FETAL AND MATERNAL MORTALITY</b> .....	55
2014-2018 Infant Mortality: number and rates ( <i>U.S., Idaho, Districts, counties</i> ).....	59
2018 Infant Mortality: sex, race and ethnicity ( <i>Idaho, Districts, counties</i> ).....	60
2018 Infant Mortality: causes of mortality, neonatal and postneonatal.....	61
2018 Infant Mortality: neonatal and postneonatal by age of mother.....	61
2016-2018 Infant Mortality: causes ( <i>Idaho, Districts, counties</i> ).....	62
2018 Infant Mortality: neonatal and postneonatal ( <i>U.S., Idaho, Districts, counties</i> ).....	63
Infant Mortality: three-year rates, 2007-2009 through 2016-2018 ( <i>Idaho, Districts, counties</i> ) .....	64
Stillbirths: number and ratios, 2014-2018 ( <i>Idaho, Districts, counties</i> ) .....	65
Perinatal Mortality: number and ratios, 2014-2018 ( <i>Idaho, Districts, counties</i> ).....	66
<b>COUNTIES COMPRISING IDAHO PUBLIC HEALTH DISTRICTS</b> .....	67
<b>MORTALITY TECHNICAL NOTES</b> .....	68

## DEFINITIONS AND FORMULAS

### Mortality

**(Crude) Mortality Rate:** number of deaths per 1,000 population

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

**Cause-Specific Mortality Rate:** number of deaths from a specific cause per 100,000 population

$$\frac{\text{deaths from specific cause}}{\text{population}} \times 100,000$$

**Age-Adjusted Mortality Rate (Direct Method):** number of deaths per 100,000 standard population. Age-adjusted mortality rates are artificial measurements and should be used only to compare to other age-adjusted mortality 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.

$$\frac{\text{sum of} \left[ \begin{array}{c} \text{age-specific mortality} \\ \text{rate per 100,000 for} \\ \text{selected age groups} \end{array} \times \begin{array}{c} \text{standard population} \\ \text{in corresponding age} \\ \text{groups} \end{array} \right]}{\text{sum of standard population}}$$

### Maternal Mortality

**Definition:** death due to complications of pregnancy, childbirth, or the puerperium based on ICD-10 codes A34, O00-O95, and O98-O99 that occurred pregnancy or within 42 days of delivery or termination of pregnancy.

**Maternal Mortality Rate:** number of maternal deaths per 100,000 live births

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

### Late Maternal Mortality

**Definition:** death due to complications of pregnancy, childbirth, or the puerperium based on ICD-10 codes O96-O97 that occurred more than 42 days but less than one year after delivery or termination or pregnancy.

**Late Maternal Mortality Rate:** number of late maternal deaths per 100,000 live births

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

## Stillbirth and Infant Mortality Classifications



### Infant Mortality

**Definition:** death at less than one 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 Mortality

**Definition:** death at less than 28 days of age

**Neonatal Mortality Rate:** number of neonatal deaths per 1,000 live births

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

### Postneonatal Mortality

**Definition:** death from 28 days to 364 days of age

**Postneonatal Mortality Rate:** number of postneonatal deaths per 1,000 live births

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

### Stillbirth

**Definition:** spontaneous fetal death at 20 completed weeks gestation or more or a weight of 350 grams or more (does not include induced abortions)

**Stillbirth Ratio:** number of stillbirths per 1,000 live births

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

### Perinatal Mortality

**Definition:** stillbirth or death under seven days of age

**Perinatal Mortality Ratio:** number of stillbirths plus the number of deaths to infants under seven days of age per 1,000 live births

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

**U.S. Data**

U.S. vital statistics are based on events in the 50 states and the District of Columbia. Per the National Center for Health Statistics, more than 99% of the births and deaths occurring in this country are registered through the state vital registration system. At the time of this publication, U.S. final data available were for 2018.<sup>1</sup>

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

<sup>1</sup> "Mortality in the United States, 2018," National Center for Health Statistics Data Brief, No. 355, January 2020.

# 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.

Registration of deaths, births, and stillbirths (spontaneous fetal deaths at 20 weeks gestation or more or a weight of at least 350 grams) is a legal requirement. Death certificates are usually completed by physicians, coroners, and funeral directors.

Miscarriages (a spontaneous or accidental death of an unborn infant in utero other than by induced abortion or stillbirth) are also registered at the request of the family when verified by a physician. Statistics are not reported because the registry is voluntary, and not all events are registered with Vital Statistics.

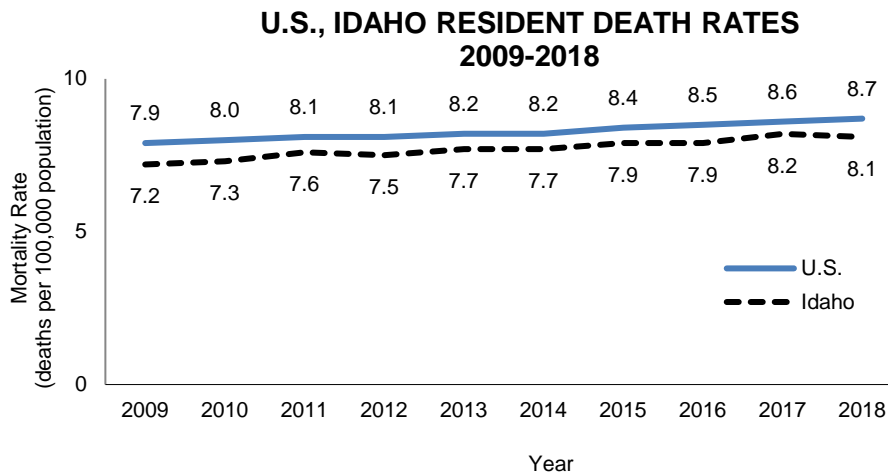
Unless otherwise stated, death, birth, and stillbirth data contained in this report are provided for Idaho residents, regardless of where the event occurred. There is an agreement among all registration areas in the U.S. for resident exchange of copies of death, birth, and stillbirth certificates. The cut-off dates for analysis was July 2, 2019 for death records and September 1, 2019 for stillbirth records. Records may be sent to Idaho or amended after this date; they are included or amended in the vital records mainframe database but are not included or amended in the database for statistical analysis.



# MORTALITY

## U.S. and Idaho Mortality

The crude mortality rate in the U.S. increased 1.2 percent, from 8.6 deaths per 1,000 population to 8.7 in 2018.<sup>1</sup> In 2018, there were 2,839,205 deaths in the U.S., compared with 2,813,503 in 2017.<sup>1</sup> In 2017, there were 14,007 deaths among Idaho residents, compared with 14,263 in 2018. Because Idaho's population increased at a higher rate than number of deaths from 2017 to 2018, the crude mortality rate for Idaho residents decreased from 8.2 in 2017 to 8.1 deaths per 1,000 population.



In 2018, the leading cause of mortality in the U.S. was Diseases of heart, followed by Malignant neoplasms (cancer).<sup>1</sup> The ten leading causes in mortality in the U.S. in 2018 were the same as 2017. U.S. age-adjusted rates decreased significantly from 2017 to 2018 for heart disease, cancer, unintentional injuries, chronic lower respiratory diseases, stroke, and Alzheimer disease. There was a significant increase in the U.S. rates for Influenza and pneumonia, and suicide from 2017 to 2018<sup>1</sup>.

### Leading Causes of Mortality for Idaho and the U.S.

Cause of Death	Idaho 2018		U.S. 2018	
	Rank	AAR*	Rank	AAR*
Diseases of heart	1	157.8	1	163.6
Malignant neoplasms (cancer)	2	149.5	2	149.1
Chronic lower respiratory diseases	3	44.1	4	39.7
Accidents (unintentional injury)	4	49.3	3	48.0
Cerebrovascular diseases	5	36.4	5	37.1
Alzheimer's disease	6	35.0	6	30.5
Intentional self-harm (suicide)	7	24.0	10	14.2
Diabetes mellitus	8	20.3	7	21.4
Chronic liver disease and cirrhosis	9	12.6	11	10.2
Influenza and pneumonia	10	11.9	8	14.9

\*AAR: Age-adjusted mortality rates are deaths per 100,000 population. Ranked by the number of deaths.

### Idaho Leading Causes of Mortality 2016-2018

In 2018, Diseases of heart was the leading cause of mortality and Malignant neoplasms (cancer) was the 2<sup>nd</sup> leading cause of mortality. This is the same as 2017. In 2017, Intentional self-harm (suicide) was tied with diabetes at the 7<sup>th</sup> highest rank; in 2018 suicide was ranked 7<sup>th</sup> and diabetes was ranked 8<sup>th</sup>. Influenza and pneumonia was ranked 9<sup>th</sup> in 2017 and is ranked 10 in 2018; Parkinson's disease was ranked 10<sup>th</sup> in 2017, then became the 11<sup>th</sup> leading cause in 2018. In 2017, Chronic liver diseases and cirrhosis was the 11<sup>th</sup> leading cause of death and became the 9<sup>th</sup> rank in 2018.

#### Leading Causes of Mortality by Percent Change in Rate, 2017 and 2018

Cause of Death	Age-Adjusted Rate		Percent Change	
	2017	2018		
Chronic liver disease and cirrhosis	10.2	12.6	23.5%	▲
Intentional self-harm (suicide)	23.2	24.0	3.4%	▲
Diabetes mellitus	20.3	20.3	0.0%	NC
Accidents (unintentional injury)	49.9	49.3	-1.2%	▼
Malignant neoplasms (cancer)	153.0	149.5	-2.3%	▼
Diseases of heart	162.5	157.8	-2.9%	▼
Alzheimer's disease	36.7	35.0	-4.6%	▼
Cerebrovascular diseases	38.3	36.4	-5.0%	▼
Chronic lower respiratory diseases	47.2	44.1	-6.6%	▼
Influenza and pneumonia	13.8	11.9	-13.8%	▼

Age-adjusted mortality rates are deaths per 100,000 population.

▲ Rate increased from 2017 to 2018. ▼ Rate decreased from 2017 to 2018. NC: no change.

### Idaho Leading Causes of Mortality by Sex

In 2018, the leading cause of death for males was Diseases of heart, while Malignant neoplasms (cancer) was the leading cause of mortality for females. Males had a higher mortality rate than females for eight of the ten leading causes of mortality. Females had a higher mortality rate than males for Alzheimer's disease, and for Cerebrovascular diseases.

#### Leading Causes of Mortality by Sex

Cause of Death	Age-Adjusted Rate		Male: Female Rate Ratio	
	Male	Female		
Diseases of heart	195.9	123.3	1.6	*
Malignant neoplasms (cancer)	171.5	131.2	1.3	*
Chronic lower respiratory diseases	50.5	39.0	1.3	*
Accidents (unintentional injury)	64.4	34.3	1.9	*
Cerebrovascular diseases	32.4	39.0	0.8	
Alzheimer's disease	27.2	40.6	0.7	*
Intentional self-harm (suicide)	37.3	10.7	3.5	*
Diabetes mellitus	24.7	16.3	1.5	*
Chronic liver disease and cirrhosis	14.8	10.5	1.4	
Influenza and pneumonia	12.1	11.9	1.0	

Age-adjusted mortality rates are deaths per 100,000 population.

Ratio=1 indicates that the rate is the same for both males and females. Ratio<1 indicates that the rate is higher in females. Ratio>1 indicates that the rate is higher in males.

\*Significant difference in the rate by sex (p<0.05).

## Idaho Age at Death

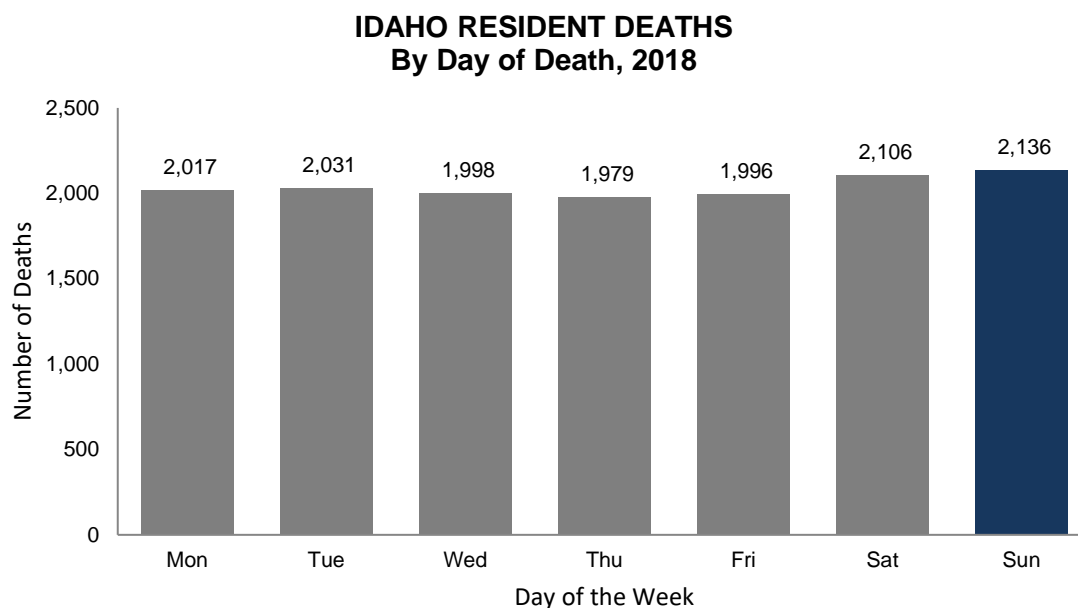
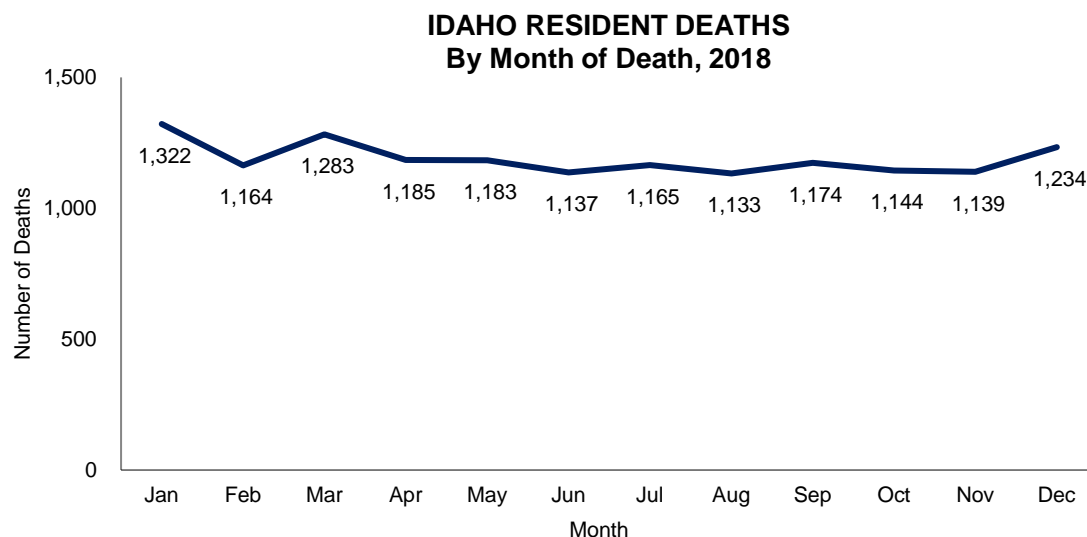
In 2018, the average age at death for Idahoans was 73.7 years of age, compared with 73.8 in 2017.

Age at Death			
	Number	Average age	Maximum age
Total	14,263	73.7	109
Sex			
Female	6,726	76.6	109
Male	7,537	71.0	105
Ethnicity			
Non-Hispanic	13,755	74.2	109
Hispanic	508	58.5	98
Unknown	0		
Race			
White	13,863	74.1	109
Black	40	55.7	84
American Indian	159	59.1	100
Asian Pacific Islander	104	69.4	103
Other/Multiple	97		
Cause of Death			
Diseases of heart	3,121	78.6	109
Malignant neoplasms (cancer)	3,050	72.4	102
Chronic lower respiratory diseases	900	76.9	104
Accidents (unintentional injury)	887	56.0	102
Cerebrovascular diseases	718	80.7	102
Alzheimer's disease	666	85.7	105
Intentional self-harm (suicide)	418	45.0	90
Diabetes mellitus	408	73.4	98
Chronic liver disease and cirrhosis	249	59.0	93
Influenza and pneumonia	235	79.2	105

For Idahoans, life expectancy at birth was 79.3 years in 2018. For males, life expectancy was 77.3, and for females, life expectancy at birth was 81.5 years. Life expectancy at birth was 78.7 years for the total U.S. population in 2018. For males, life expectancy was 76.2 in 2018, and for females, life expectancy at birth was 81.2 years.

## Idaho Month and Day of Death

January had the most deaths compared with the other months (1,322). On the other hand, August had the fewest deaths compared with the other months (1,133). The number of deaths per day ranged from a low of 17 deaths on Thursday, August 16, 2018 to a high of 60 deaths on Friday, January 12, 2018.



## Out-of-State Resident Deaths

In 2018, 563 out-of-state residents died in Idaho. Most of these deaths were residents from neighboring states. There were 183 Washington, 123 Oregon, 40 Utah, 39 California, 37 Wyoming, 31 Montana residents, and 26 Nevada, and as well as 84 residents from another state, another country, or where the residence was unknown.

1. "Mortality in the United States, 2018," National Center for Health Statistics Data Brief, No. 355, January 2020.

# IDAHO RESIDENT MORTALITY

## Number of Deaths and Rates

### 2014-2018

RESIDENCE	2018		2017		2016		2015		2014	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
U.S. <sup>1</sup>	8.7		8.6		8.5		8.4		8.2	
IDAHO	14,263	8.1	14,007	8.2	13,370	7.9	13,031	7.9	12,610	7.7
District 1	2,406	10.0	2,380	10.1	2,268	9.9	2,181	9.7	2,172	9.8
District 2	1,086	9.9	1,087	10.0	1,111	10.3	1,052	9.8	1,054	9.8
District 3	2,377	8.2	2,310	8.2	2,153	7.8	2,165	7.9	1,977	7.4
District 4	3,473	6.7	3,550	7.1	3,338	6.8	3,230	6.8	3,017	6.4
District 5	1,673	8.4	1,611	8.2	1,595	8.2	1,572	8.2	1,582	8.3
District 6	1,620	9.3	1,540	8.9	1,456	8.5	1,367	8.1	1,444	8.6
District 7	1,628	7.3	1,529	7.0	1,449	6.7	1,464	6.9	1,364	6.5
Ada	3,136	6.7	3,229	7.1	2,987	6.7	2,892	6.7	2,736	6.4
Adams	44	10.4	52	12.5	40	10.3	34	8.8	37	9.6
Bannock	798	9.2	742	8.7	716	8.5	676	8.1	707	8.5
Bear Lake	66	10.9	73	12.1	58	9.8	46	7.8	74	12.4
Benewah	108	11.7	131	14.3	132	14.5	141	15.6	130	14.3
Bingham	418	9.0	391	8.5	396	8.8	369	8.2	345	7.6
Blaine	101	4.5	116	5.3	109	5.0	112	5.2	120	5.6
Boise	57	7.5	53	7.3	54	7.6	51	7.2	45	6.6
Bonner	440	9.8	463	10.6	445	10.5	442	10.6	418	10.1
Bonneville	949	8.1	914	8.0	875	7.8	817	7.4	792	7.3
Boundary	119	10.0	121	10.1	113	9.7	101	8.9	121	11.0
Butte	38	14.6	31	11.9	25	10.0	25	10.0	31	11.8
Camas	13	11.5	14	12.7	7	6.5	4	3.8	5	4.8
Canyon	1,649	7.4	1,575	7.3	1,498	7.1	1,477	7.1	1,325	6.5
Caribou	60	8.5	87	12.4	62	9.0	59	8.7	57	8.3
Cassia	214	9.0	205	8.7	185	7.9	214	9.1	191	8.1
Clark	5	5.9	7	8.0	6	7.0	7	8.0	10	11.5
Clearwater	101	11.5	117	13.7	116	13.7	114	13.4	96	11.2
Custer	55	12.9	48	11.5	41	10.0	49	12.0	46	11.1
Elmore	215	7.9	189	7.0	211	8.1	193	7.5	172	6.6
Franklin	126	9.2	120	8.8	96	7.2	87	6.7	104	8.0
Fremont	101	7.7	109	8.3	104	8.0	126	9.8	96	7.5
Gem	231	13.1	212	12.2	213	12.4	208	12.3	212	12.6
Gooding	133	8.8	150	9.9	154	10.1	124	8.1	147	9.8
Idaho	208	12.6	177	10.8	194	12.0	184	11.3	205	12.6
Jefferson	181	6.1	168	5.9	174	6.3	171	6.3	138	5.1
Jerome	157	6.5	164	6.9	190	8.3	156	6.8	186	8.2
Kootenai	1,572	9.7	1,463	9.3	1,387	9.0	1,330	8.8	1,315	8.9
Latah	219	5.5	216	5.5	243	6.2	206	5.3	227	5.9
Lemhi	118	14.8	103	13.1	90	11.7	115	14.9	117	15.1
Lewis	51	13.2	52	13.4	45	11.7	35	9.2	42	10.9
Lincoln	55	10.3	29	5.5	32	6.1	41	7.7	29	5.5
Madison	173	4.4	140	3.6	113	2.9	137	3.6	126	3.3
Minidoka	210	10.1	182	8.8	153	7.4	171	8.4	160	7.9
Nez Perce	507	12.5	525	13.0	513	12.7	513	12.8	484	12.1
Oneida	55	12.3	41	9.3	33	7.6	42	9.8	49	11.7
Owyhee	105	9.0	97	8.3	97	8.5	100	8.8	84	7.4
Payette	239	10.1	240	10.3	200	8.7	228	10.0	204	8.9
Power	59	7.6	55	7.2	70	9.1	63	8.2	77	10.1
Shoshone	167	13.1	202	16.1	191	15.3	167	13.4	188	15.2
Teton	46	4.0	40	3.5	46	4.2	42	4.0	39	3.8
Twin Falls	790	9.2	751	8.8	765	9.2	750	9.1	744	9.2
Valley	65	5.9	79	7.4	86	8.2	94	9.3	64	6.5
Washington	109	10.7	134	13.2	105	10.3	118	11.8	115	11.5

Rates are deaths per 1,000 population. NA= not available.

<sup>1</sup>Centers for Disease Control and Prevention, National Center for Health Statistics. Underlying Cause of Death 1999-2018 on CDC WONDER Online Database, released December, 2019.

**IDAHO RESIDENT MORTALITY**  
**Age at Death**  
**2018**

RESIDENCE	TOTAL DEATHS	AGE AT DEATH										
		<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
IDAHO	14,263	109	15	37	231	240	372	738	1,667	2,818	3,538	4,498
District 1	2,406	11	2	8	33	26	58	106	255	499	646	762
District 2	1,086	9	-	1	22	17	22	43	120	196	296	360
District 3	2,377	19	-	10	49	51	58	139	293	505	594	659
District 4	3,473	20	7	3	41	59	86	188	422	680	823	1,144
District 5	1,673	15	4	5	26	26	39	96	202	313	415	532
District 6	1,620	16	-	4	31	29	55	89	212	319	384	481
District 7	1,628	19	2	6	29	32	54	77	163	306	380	560
Ada	3,136	18	7	2	36	50	78	175	379	596	733	1,062
Adams	44	-	-	1	1	2	-	1	-	15	12	12
Bannock	798	6	-	3	13	13	31	48	105	163	177	239
Bear Lake	66	-	-	-	1	1	3	-	10	9	15	27
Benewah	108	-	1	1	3	-	4	6	12	22	34	25
Bingham	418	6	-	1	11	8	15	21	54	81	107	114
Blaine	101	-	-	1	-	3	5	6	13	17	26	30
Boise	57	1	-	-	-	2	2	4	7	15	17	9
Bonner	440	1	-	-	4	6	13	15	55	99	111	136
Bonneville	949	15	1	4	23	19	38	46	100	165	206	332
Boundary	119	3	-	1	-	1	3	4	18	22	31	36
Butte	38	-	-	-	-	-	1	3	4	12	12	6
Camas	13	-	-	-	-	-	-	1	1	6	4	1
Canyon	1,649	16	-	7	37	38	46	100	211	343	393	458
Caribou	60	-	-	-	1	2	-	5	4	11	20	17
Cassia	214	1	-	2	3	5	3	12	24	42	47	75
Clark	5	-	-	-	-	-	-	1	-	-	2	2
Clearwater	101	1	-	-	-	1	-	4	11	26	29	29
Custer	55	-	-	-	1	-	-	2	7	14	19	12
Elmore	215	1	-	1	4	6	5	8	27	50	53	60
Franklin	126	4	-	-	4	2	1	6	19	20	26	44
Fremont	101	-	-	-	2	2	1	6	8	21	18	43
Gem	231	1	-	-	1	6	1	16	24	47	60	75
Gooding	133	2	-	-	2	2	3	9	15	25	37	38
Idaho	208	-	-	1	6	2	3	8	24	38	59	67
Jefferson	181	1	-	-	1	6	10	10	21	36	42	54
Jerome	157	3	1	-	2	2	3	11	10	34	41	50
Kootenai	1,572	7	1	5	22	18	33	71	149	313	434	519
Latah	219	6	-	-	5	6	9	10	20	46	47	70
Lemhi	118	1	1	-	-	2	-	4	14	29	33	34
Lewis	51	1	-	-	-	-	1	3	7	8	19	12
Lincoln	55	1	-	-	1	1	4	3	9	8	12	16
Madison	173	1	-	1	2	2	3	4	8	31	53	68
Minidoka	210	-	1	-	4	4	6	8	30	32	58	67
Nez Perce	507	1	-	-	11	8	9	18	58	78	142	182
Oneida	55	-	-	-	-	3	3	-	6	8	18	17
Owyhee	105	1	-	1	2	1	4	5	15	25	24	27
Payette	239	1	-	1	7	4	5	14	31	56	74	46
Power	59	-	-	-	1	-	1	6	10	15	9	17
Shoshone	167	-	-	1	4	1	5	10	21	43	36	46
Teton	46	1	-	1	-	1	2	4	5	10	7	15
Twin Falls	790	8	2	2	14	9	15	46	100	149	190	255
Valley	65	-	-	-	1	1	1	1	9	19	20	13
Washington	109	-	-	-	1	-	2	3	12	19	31	41

**IDAHO RESIDENT MORTALITY**  
**Sex, Race and Ethnicity<sup>1</sup>**  
**2018**

RESIDENCE	TOTAL DEATHS	SEX		RACE						ETHNICITY	
		Male	Female	White	Black	American Indian/ Alaska Native	Asian/ Pacific Islander	Other Race/ Multiple Race	Race Not Stated	Non-Hispanic	Hispanic
IDAHO	14,263	7,537	6,726	13,863	40	159	104	75	22	13,755	508
District 1	2,406	1,277	1,129	2,358	2	30	8	4	4	2,380	26
District 2	1,086	565	521	1,046	3	28	4	4	1	1,083	3
District 3	2,377	1,265	1,112	2,325	5	10	23	13	1	2,231	146
District 4	3,473	1,830	1,643	3,367	19	14	39	21	13	3,370	103
District 5	1,673	900	773	1,632	3	9	8	19	2	1,566	107
District 6	1,620	853	767	1,538	3	60	12	7	-	1,561	59
District 7	1,628	847	781	1,597	5	8	10	7	1	1,564	64
Ada	3,136	1,640	1,496	3,048	17	10	36	12	13	3,045	91
Adams	44	29	15	44	-	-	-	-	-	43	1
Bannock	798	411	387	751	3	28	9	7	-	772	26
Bear Lake	66	35	31	66	-	-	-	-	-	65	1
Benewah	108	51	57	98	-	10	-	-	-	108	-
Bingham	418	218	200	385	-	30	3	-	-	393	25
Blaine	101	63	38	101	-	-	-	-	-	94	7
Boise	57	29	28	57	-	-	-	-	-	57	-
Bonner	440	236	204	437	-	1	-	1	1	436	4
Bonneville	949	491	458	925	4	7	9	3	1	900	49
Boundary	119	67	52	118	-	1	-	-	-	118	1
Butte	38	23	15	38	-	-	-	-	-	38	-
Camas	13	8	5	13	-	-	-	-	-	13	-
Canyon	1,649	874	775	1,604	5	7	19	13	1	1,527	122
Caribou	60	35	25	60	-	-	-	-	-	59	1
Cassia	214	101	113	210	-	2	1	1	-	199	15
Clark	5	3	2	5	-	-	-	-	-	4	1
Clearwater	101	58	43	98	-	3	-	-	-	101	-
Custer	55	25	30	55	-	-	-	-	-	55	-
Elmore	215	124	91	197	2	4	3	9	-	206	9
Franklin	126	69	57	125	-	1	-	-	-	126	-
Fremont	101	54	47	100	-	1	-	-	-	99	2
Gem	231	115	116	229	-	1	1	-	-	229	2
Gooding	133	80	53	128	-	-	-	5	-	124	9
Idaho	208	114	94	200	-	7	-	1	-	207	1
Jefferson	181	100	81	180	-	-	1	-	-	178	3
Jerome	157	89	68	154	-	-	2	1	-	146	11
Kootenai	1,572	819	753	1,539	1	18	8	3	3	1,552	20
Latah	219	114	105	215	1	-	1	2	-	218	1
Lemhi	118	69	49	116	-	-	-	2	-	114	4
Lewis	51	23	28	48	-	2	1	-	-	51	-
Lincoln	55	23	32	53	-	-	1	1	-	51	4
Madison	173	82	91	173	-	-	-	-	-	171	2
Minidoka	210	125	85	201	-	3	1	5	-	183	27
Nez Perce	507	256	251	485	2	16	2	1	1	506	1
Oneida	55	31	24	55	-	-	-	-	-	54	1
Owyhee	105	67	38	103	-	2	-	-	-	97	8
Payette	239	135	104	237	-	-	2	-	-	229	10
Power	59	31	28	58	-	1	-	-	-	54	5
Shoshone	167	104	63	166	1	-	-	-	-	166	1
Teton	46	23	23	43	1	-	-	2	-	43	3
Twin Falls	790	411	379	772	3	4	3	6	2	756	34
Valley	65	37	28	65	-	-	-	-	-	62	3
Washington	109	45	64	108	-	-	1	-	-	106	3

<sup>1</sup>Race and Hispanic origin are reported separately on death certificate; people of Hispanic origin are included in appropriate race totals.

Note: Beginning in 2003, multiple races and Hispanic origins may be reported on the Idaho death certificate. For decedents with multiple races, the races were bridged to a single race category.

**IDAHO RESIDENT MORTALITY**  
**Leading Causes of Mortality**  
**Cause-Specific Crude and Age-Adjusted Rates<sup>1</sup>**  
**2018 Idaho and U.S.**

RANK FOR IDAHO AND CAUSE OF DEATH	Deaths		Crude Rate		Age-Adjusted Rate	
	Number	Percent	Idaho <sup>2</sup>	U.S. <sup>3</sup>	Idaho <sup>2</sup>	U.S. <sup>3</sup>
TOTAL	14,263	100.0%	813.1	867.8	726.6	723.6
1. Diseases of heart	3,121	21.9%	177.9	200.3	157.8	163.6
2. Malignant neoplasms (cancer)	3,050	21.4%	173.9	183.2	149.5	149.1
3. Chronic lower respiratory diseases	900	6.3%	51.3	48.7	44.1	39.7
4. Accidents (unintentional injury)	887	6.2%	50.6	51.1	49.3	48.0
5. Cerebrovascular diseases	718	5.0%	40.9	45.2	36.4	37.1
6. Alzheimer's disease	666	4.7%	38.0	37.3	35.0	30.5
7. Intentional self-harm (suicide)	418	2.9%	23.8	14.8	24.0	14.2
8. Diabetes mellitus	408	2.9%	23.3	26.0	20.3	21.4
9. Chronic liver disease and cirrhosis	249	1.7%	14.2	13.1	12.6	11.1
10. Influenza and pneumonia	235	1.6%	13.4	18.1	11.9	14.9
11. Parkinson's disease	200	1.4%	11.4	10.3	10.4	8.7
12. Nephritis, nephrotic syndrome, nephrosis	150	1.1%	8.6	15.7	7.5	12.9
13. Essential hypertension & hypertensive renal disease	119	0.8%	6.8	11.0	6.0	8.9
14. Septicemia	103	0.7%	5.9	12.4	5.1	10.2
15. In situ neoplasms, benign neoplasms and neoplasms	86	0.6%	4.9	4.8	4.4	4.0
All other causes	2,953	20.7%	NA	NA	NA	NA

Rates are deaths per 100,000 population. NA=not applicable. Rates are not applicable for all other causes.

<sup>1</sup>Age-adjusted rates are artificial measures used to compare populations that have different age compositions (so long as the rate was calculated using the same standard population). Idaho and U.S. age-adjusted rates were calculated using the 2000 U.S. population estimate as the standard population.

<sup>2</sup>Idaho rates are based on the July 1, 2018 population estimates.

<sup>3</sup>Centers for Disease Control and Prevention, National Center for Health Statistics. Underlying Cause of Death 1999-2018 on CDC WONDER Online Database, released December, 2019.



**IDAHO RESIDENT MORTALITY**  
**Leading Causes of Mortality by Sex**  
**Cause-Specific Crude and Age-Adjusted Rates<sup>1</sup>**  
**2018 Idaho and U.S.**

MALES						
RANK FOR IDAHO AND CAUSE OF DEATH	Deaths		Crude Rate		Age-Adjusted Rate	
	Number	Percent	Idaho <sup>2</sup>	U.S. <sup>3</sup>	Idaho <sup>2</sup>	U.S. <sup>3</sup>
TOTAL	7,537	100.0%	857.4	905.2	833.9	855.5
1. Diseases of heart	1,758	23.3%	200.0	220.0	195.9	207.5
2. Malignant neoplasms (cancer)	1,637	21.7%	186.2	195.8	171.5	176.8
3. Accidents (unintentional injury)	558	7.4%	63.5	67.0	64.4	65.9
4. Chronic lower respiratory diseases	469	6.2%	53.4	46.7	50.5	43.7
5. Intentional self-harm (suicide)	326	4.3%	37.1	23.4	37.3	22.8
6. Cerebrovascular diseases	286	3.8%	32.5	39.0	32.4	37.6
7. Diabetes mellitus	232	3.1%	26.4	29.5	24.7	26.9
8. Alzheimer's disease	222	2.9%	25.3	23.6	27.2	24.5
9. Chronic liver disease and cirrhosis	146	1.9%	16.6	16.9	14.8	14.7
10. Parkinson's disease	123	1.6%	14.0	12.7	14.8	12.9
11. Influenza and pneumonia	105	1.4%	11.9	17.8	12.1	17.3
12. Nephritis, nephrotic syndrome, nephrosis	81	1.1%	9.2	16.6	9.1	15.8
13. Essential hypertension & hypertensive renal disease	57	0.8%	6.5	10.0	6.3	9.4
14. Septicemia	50	0.7%	5.7	12.3	5.4	11.5
15. In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior	49	0.7%	5.6	5.2	5.6	5.0
All other causes	1,438	19.1%	NA	NA	NA	NA

FEMALES						
RANK FOR IDAHO AND CAUSE OF DEATH	Deaths		Crude Rate		Age-Adjusted Rate	
	Number	Percent	Idaho <sup>2</sup>	U.S. <sup>3</sup>	Idaho <sup>2</sup>	U.S. <sup>3</sup>
TOTAL	6,726	100.0%	768.6	831.6	626.1	611.3
1. Malignant neoplasms (cancer)	1,413	21.0%	161.5	170.9	131.2	128.6
2. Diseases of heart	1,363	20.3%	155.7	181.3	123.3	127.9
3. Alzheimer's disease	444	6.6%	50.7	50.6	40.6	34.2
4. Cerebrovascular diseases	432	6.4%	49.4	51.2	39.0	36.1
5. Chronic lower respiratory diseases	431	6.4%	49.2	50.7	39.0	36.8
6. Accidents (unintentional injury)	329	4.9%	37.6	35.7	34.3	31.0
7. Diabetes mellitus	176	2.6%	20.1	22.5	16.3	16.8
8. Influenza and pneumonia	130	1.9%	14.9	18.3	11.9	13.1
9. Chronic liver disease and cirrhosis	103	1.5%	11.8	9.4	10.5	7.7
10. Intentional self-harm (suicide)	92	1.4%	10.5	6.4	10.7	6.2
11. Parkinson's disease	77	1.1%	8.8	8.0	7.1	5.7
12. Nephritis, nephrotic syndrome, nephrosis	69	1.0%	7.9	14.9	6.2	10.8
13. Essential hypertension & hypertensive renal disease	62	0.9%	7.1	11.9	5.5	8.3
14. Septicemia	53	0.8%	6.1	12.6	4.9	9.3
15. Pneumonitis due to solids and liquids	41	0.6%	4.7	5.0	3.8	3.6
All other causes	1,511	22.5%	NA	NA	NA	NA

Rates are deaths per 100,000 population. NA=not applicable. Rates are not applicable for all other causes.

<sup>1</sup>Age-adjusted rates are artificial measures used to compare populations that have different age compositions (so long as the rate was calculated using the same standard population). Idaho and U.S. age-adjusted rates were calculated using the 2000 U.S. population estimate as the standard population.

<sup>2</sup>Idaho rates are based on the July 1, 2018 population estimates.

<sup>3</sup>Centers for Disease Control and Prevention, National Center for Health Statistics. Underlying Cause of Death 1999-2018 on CDC WONDER Online Database, released December, 2019.

# IDAHO RESIDENT MORTALITY

## Ten Leading Causes of Mortality<sup>1</sup> by Age Group and Number of Deaths 2018

RANK	AGE GROUP											ALL AGES
	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	
1	Congenital malformations 29	Accidents (unintentional injury) 6	Intentional self-harm (suicide) 9	Accidents (unintentional injury) 102	Accidents (unintentional injury) 91	Accidents (unintentional injury) 105	Malignant neoplasms (cancer) 176	Malignant neoplasms (cancer) 499	Malignant neoplasms (cancer) 872	Malignant neoplasms (cancer) 846	Diseases of heart 1,296	Diseases of heart 3,121
2	(Tie) Short gestation & low birth weight; Newborn affected by maternal complications 10		Accidents (unintentional injury) 6	Intentional self-harm (suicide) 78	Intentional self-harm (suicide) 65	Malignant neoplasms (cancer) 61	Diseases of heart 132	Diseases of heart 342	Diseases of heart 558	Diseases of heart 741	Malignant neoplasms (cancer) 567	Malignant neoplasms (cancer) 3,050
3			Malignant neoplasms (cancer) 5	Assault (homicide) 13	Malignant neoplasms (cancer) 13	Intentional self-harm (suicide) 55	Accidents (unintentional injury) 101	Accidents (unintentional injury) 106	Chronic lower respiratory diseases 265	Chronic lower respiratory diseases 304	Alzheimer's disease 395	Chronic lower respiratory diseases 900
4	Complications of placenta 8		Congenital malformations 3	Malignant neoplasms (cancer) 9	Chronic liver disease and cirrhosis 12	Diseases of heart 36	Intentional self-harm (suicide) 75	Chronic liver disease and cirrhosis 85	Cerebrovascular diseases 122	Alzheimer's disease 215	Cerebrovascular diseases 325	Accidents (unintentional injury) 887
5	Sudden infant death syndrome 7			Congenital malformations, deformations 4	Diseases of heart 9	Chronic liver disease and cirrhosis 20	Chronic liver disease and cirrhosis 48	Chronic lower respiratory diseases 78	Diabetes mellitus 115	Cerebrovascular diseases 192	Chronic lower respiratory diseases 234	Cerebrovascular diseases 718
6	Accidents (unintentional injury) 6			Diseases of heart 3	Congenital malformations, deformations 7	(Tie) Assault (homicide); Congenital malformation; Diabetes mellitus 6	Diabetes mellitus 31	Cerebrovascular diseases 58	Accidents (unintentional injury) 105	Diabetes mellitus 117	Accidents (unintentional injury) 145	Alzheimer's disease 666
7	Neonatal hemorrhage 4				Assault (homicide) 6		Chronic lower respiratory diseases 15	Intentional self-harm (suicide) 52	Chronic liver disease and cirrhosis 56	Accidents (unintentional injury) 114	Influenza and pneumonia 104	Intentional self-harm (suicide) 418
8	Hydrops fetalis 3				Cerebrovascular diseases 4		Cerebrovascular diseases 12	Diabetes mellitus 47	Alzheimer's disease 53	Parkinson's disease 81	Parkinson's disease 88	Diabetes mellitus 408
9					(Tie) Diabetes mellitus; Legal intervention 3	(Tie) Cerebrovascular diseases; Influenza and pneumonia 5	(Tie) Congenital malformations; Septicemia; Viral hepatitis 6	Influenza and pneumonia 27	Intentional self-harm (suicide) 45	Influenza and pneumonia 57	Diabetes mellitus 87	Chronic liver disease and cirrhosis 249
10								Septicemia 19	Influenza and pneumonia 35	Nephritis 42	Nephritis 54	Influenza and pneumonia 235
Residual <sup>2</sup>	32	9	14	22	27	67	130	354	592	829	1,203	3,611
Total	109	15	37	231	240	372	738	1,667	2,818	3,538	4,498	14,263

Nephritis is a shorted ICD-10 title for 'Nephritis, nephrotic syndrome, nephrosis'; Complication of placenta is short for 'Complications of placenta, cord and membranes'; Congenital malformations is short for 'Congenital malformations, deformations, and chromosomal abnormalities'; 'Hydrops fetalis is short for 'Hydrops fetalis not due to hemolytic disease.'

<sup>1</sup>Data are shown for causes with 3 or more deaths for given age group. <sup>2</sup>Total number of deaths for all other leading causes not listed and all other causes not ranked for leading cause of death.

# IDAHO MALE RESIDENT MORTALITY

## Ten Leading Causes of Mortality<sup>1</sup> by Age Group and Number of Deaths 2018

RANK	AGE GROUP											ALL AGES
	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	
1	Congenital malformations 17	Accidents (unintentional injury) 3	(Tie) Accidents (unintentional injury); Intentional self-harm (suicide) 5	Accidents (unintentional injury) 74	Accidents (unintentional injury) 74	Accidents (unintentional injury) 69	Diseases of heart 95	Malignant neoplasms (cancer) 278	Malignant neoplasms (cancer) 489	Malignant neoplasms (cancer) 474	Diseases of heart 539	Diseases of heart 1,758
2	Newborn affected by complications 7			Intentional self-harm (suicide) 64	Intentional self-harm (suicide) 56	Intentional self-harm (suicide) 40	Malignant neoplasms (cancer) 79	Diseases of heart 242	Diseases of heart 380	Diseases of heart 465	Malignant neoplasms (cancer) 273	Malignant neoplasms (cancer) 1,637
3	(Tie) Accidents (unintentional injury); Short gestation and low birth weight 5			Assault (homicide) 11	(Tie) Diseases of heart; Malignant neoplasms (cancer) 6	Malignant neoplasms (cancer) 29	Accidents (unintentional injury) 66	Accidents (unintentional injury) 69	Chronic lower respiratory diseases 148	Chronic lower respiratory diseases 158	Alzheimer's disease 116	Accidents (unintentional injury) 558
4				Malignant neoplasms (cancer) 5		Diseases of heart 27	Intentional self-harm (suicide) 53	Chronic liver disease and cirrhosis 57	Diabetes mellitus 74	Cerebrovascular diseases 92	Chronic lower respiratory diseases 114	Chronic lower respiratory diseases 469
5					(Tie) Assault (homicide); Chronic liver disease and cirrhosis 4	Chronic liver disease and cirrhosis 13	Chronic liver disease and cirrhosis 27	Chronic lower respiratory diseases 37	Accidents (unintentional injury) 64	Alzheimer's disease 82	Cerebrovascular diseases 99	Intentional self-harm (suicide) 326
6						(Tie) Assault (homicide); Diabetes mellitus 4	Diabetes mellitus 22	Intentional self-harm (suicide) 35	Cerebrovascular diseases 56	Accidents (unintentional injury) 67	Accidents (unintentional injury) 62	Cerebrovascular diseases 286
7					(Tie) Congenital malformations; Legal intervention 3	(Tie) Assault (homicide); Diabetes mellitus 4	Chronic lower respiratory diseases 9	Cerebrovascular diseases 30	Intentional self-harm (suicide) 39	Diabetes mellitus 65	Parkinson's disease 54	Diabetes mellitus 232
8							(Tie) Cerebrovascular diseases; Congenital malformations 3	(Tie) Cerebrovascular diseases; Viral hepatitis 5	Diabetes mellitus 27	Chronic liver disease and cirrhosis 35	Parkinson's disease 52	Influenza and pneumonia 42
9								Influenza and pneumonia 11	Alzheimer's disease 22	Influenza and pneumonia 30	Diabetes mellitus 37	Chronic liver disease and cirrhosis 146
10							Congenital malformations, deformations 4	(Tie) Septicemia; Viral hepatitis 10	Influenza and pneumonia 19	Nephritis 26	(Tie) Nephritis; Pneumonitis 26	Parkinson's disease 123
Residual <sup>2</sup>	27	4	12	14	18	40	82	184	344	445	422	1,780
Total	61	7	22	168	174	232	447	990	1,670	1,956	1,810	7,537

Nephritis is a shorted ICD-10 title for 'Nephritis, nephrotic syndrome, nephrosis'; Congenital malformations is short for 'Congenital malformations, deformations, and chromosomal abnormalities.'

<sup>1</sup>Data are shown for causes with 3 or more deaths for given age group. <sup>2</sup>Total number of deaths for all other leading causes not listed and all other causes not ranked for leading cause of death.

# IDAHO FEMALE RESIDENT MORTALITY

## Ten Leading Causes of Mortality<sup>1</sup> by Age Group and Number of Deaths 2018

RANK	AGE GROUP											ALL AGES
	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	
1	Congenital malformations 12	Accidents (unintentional injury) 3	Intentional self-harm (suicide) 4	Accidents (unintentional injury) 28	Accidents (unintentional injury) 17	Accidents (unintentional injury) 36	Malignant neoplasms (cancer) 97	Malignant neoplasms (cancer) 221	Malignant neoplasms (cancer) 383	Malignant neoplasms (cancer) 372	Diseases of heart 757	Malignant neoplasms (cancer) 1,413
2	Short gestation and low birth weight; Newborn affected by maternal complications 5		Malignant neoplasms (cancer) 3	Intentional self-harm (suicide) 14	Intentional self-harm (suicide) 9	Malignant neoplasms (cancer) 32	Diseases of heart 37	Diseases of heart 100	Diseases of heart 178	Diseases of heart 276	Malignant neoplasms (cancer) 294	Diseases of heart 1,363
3				Malignant neoplasms (cancer) 4	Chronic liver disease and cirrhosis 8	Intentional self-harm (suicide) 15	Accidents (unintentional injury) 35	Chronic lower respiratory diseases 41	Chronic lower respiratory diseases 117	Chronic lower respiratory diseases 146	Alzheimer's disease 279	Alzheimer's disease 444
4	Neonatal hemorrhage 3			Congenital malformations 3	Malignant neoplasms (cancer) 7	Diseases of heart 9	Intentional self-harm (suicide) 22	Accidents (unintentional injury) 37	Cerebrovascular diseases 66	Alzheimer's disease 133	Cerebrovascular diseases 226	Cerebrovascular diseases 432
5					Congenital malformations 4	Chronic liver disease and cirrhosis 7	Chronic liver disease and cirrhosis 21	Cerebrovascular diseases 28	(Tie) Accidents (unintentional injury); Diabetes mellitus 41	Cerebrovascular diseases 100	Chronic lower respiratory diseases 120	Chronic lower respiratory diseases 431
6					(Tie) Cerebrovascular diseases; Diseases of heart 3	Pregnancy, childbirth, and the puerperium 4	Diabetes mellitus 9	Chronic liver disease and cirrhosis 28		Diabetes mellitus 52	Accidents (unintentional injury) 83	Accidents (unintentional injury) 329
7						(Tie) Congenital malformations; Influenza and pneumonia 3	Cerebrovascular diseases 7	Diabetes mellitus 20	Alzheimer's disease 31	Accidents (unintentional injury) 47	Influenza and pneumonia 62	Diabetes mellitus 176
8							Chronic lower respiratory diseases 6	Intentional self-harm (suicide) 17	Chronic liver disease and cirrhosis 21	Parkinson's disease 29	Diabetes mellitus 50	Influenza and pneumonia 130
9							Septicemia 4	Influenza and pneumonia 16	Nephritis 17	Influenza and pneumonia 27	Essential hypertension 35	Chronic liver disease and cirrhosis 103
10							(Tie) <sup>3</sup> 3	Septicemia 9	Influenza and pneumonia 16	Nephritis 16	Parkinson's disease 34	Intentional self-harm (suicide) 92
Residual <sup>2</sup>	23	5	8	14	15	31	47	160	237	384	748	1,813
Total	48	8	15	63	66	140	291	677	1,148	1,582	2,688	6,726

Nephritis is a shorted ICD-10 title for 'Nephritis, nephrotic syndrome, nephrosis'; Congenital malformations is short for 'Congenital malformations, deformations, and chromosomal abnormalities'; Essential hypertension is short for 'Essential hypertension and hypertensive renal disease.'

<sup>1</sup>Data are shown for causes with 3 or more deaths for given age group. <sup>2</sup>Total number of deaths for all other leading causes not listed and all other causes not ranked for leading cause of death.

<sup>3</sup>Tie at rank 10 for age group 45-54: Complications of medical and surgical care and Influenza and pneumonia.

**YEARS OF POTENTIAL LIFE LOST BEFORE AGE 75**  
**Ten Leading Causes of Mortality Based on Premature Death<sup>1</sup>**  
**Total and by Sex**  
**2018**

RANK AND CAUSE OF DEATH	Persons Aged Less than 75 Years		Years of Potential Life Lost (YPLL) Before Age 75		
	Number of Deaths	Percent of Deaths	Total Number of YPLL	YPLL Rate <sup>2</sup>	Average Number of YPLL per Death
<b>TOTAL</b>	6,227	100.0%	103,298	6,283	16.6
1. Accidents (unintentional injury)	628	10.1%	19,371	1,178	30.8
2. Malignant neoplasms (cancer)	1,637	26.3%	19,107	1,162	11.7
3. Diseases of heart	1,084	17.4%	12,816	780	11.8
4. Intentional self-harm (suicide)	379	6.1%	12,619	768	33.3
5. Certain conditions originating in perinatal period	55	0.9%	4,039	246	73.4
6. Chronic liver disease and cirrhosis	222	3.6%	4,030	245	18.2
7. Congenital malformations, deformations and chromosomal abnormalities	71	1.1%	3,490	212	49.1
8. Chronic lower respiratory diseases	362	5.8%	2,896	176	8.0
9. Diabetes mellitus	204	3.3%	2,387	145	11.7
10. Cerebrovascular diseases	201	3.2%	1,957	119	9.7
All other causes	1,384	22.2%	NA	NA	NA
<b>MALES</b>	3,771	100.0%	64,653	7,795	17.1
1. Accidents (unintentional injury)	429	11.4%	13,811	1,665	32.2
2. Malignant neoplasms (cancer)	890	23.6%	9,861	1,189	11.1
3. Intentional self-harm (suicide)	292	7.7%	9,841	1,186	33.7
4. Diseases of heart	754	20.0%	9,039	1,090	12.0
5. Chronic liver disease and cirrhosis	136	3.6%	2,347	283	17.3
6. Certain conditions originating in perinatal period	27	0.7%	1,953	235	72.3
7. Congenital malformations, deformations and chromosomal abnormalities	38	1.0%	1,865	225	49.1
8. Chronic lower respiratory diseases	197	5.2%	1,585	191	8.0
9. Diabetes mellitus	130	3.4%	1,546	186	11.9
10. Assault (homicide)	28	0.7%	1,027	124	36.7
All other causes	850	22.5%	NA	NA	NA
<b>FEMALES</b>	2,456	100.0%	38,645	4,743	15.7
1. Malignant neoplasms (cancer)	747	30.4%	9,246	1,135	12.4
2. Accidents (unintentional injury)	199	8.1%	5,561	683	27.9
3. Diseases of heart	330	13.4%	3,777	464	11.4
4. Intentional self-harm (suicide)	87	3.5%	2,778	341	31.9
5. Certain conditions originating in perinatal period	28	1.1%	2,086	256	74.5
6. Chronic liver disease and cirrhosis	86	3.5%	1,683	207	19.6
7. Congenital malformations, deformations and chromosomal abnormalities	33	1.3%	1,625	199	49.2
8. Chronic lower respiratory diseases	165	6.7%	1,312	161	7.9
9. Cerebrovascular diseases	106	4.3%	1,023	126	9.7
10. Diabetes mellitus	74	3.0%	841	103	11.4
All other causes	601	24.5%	NA	NA	NA

NA=not applicable. YPLL not applicable for all other causes.

<sup>1</sup>Ranking based on total number of years of potential life lost (YPLL).

<sup>2</sup>YPLL rate is the total number of years of potential life lost per 100,000 population aged less than 75 years.

**IDAHO RESIDENT LIFE EXPECTANCY**  
**Age in Years by Sex**  
**2018**

EXACT AGE IN YEARS	AVERAGE NUMBER OF YEARS OF LIFE REMAINING ( <sup>o</sup> e <sub>x</sub> )		
	Total	Male	Female
0	79.3	77.3	81.5
1	78.7	76.7	80.9
5	74.8	72.7	77.0
10	69.8	67.7	72.0
15	64.9	62.8	67.0
20	60.1	58.1	62.2
25	55.5	53.6	57.4
30	50.7	49.0	52.6
35	46.0	44.3	47.7
40	41.3	39.8	43.0
45	36.7	35.2	38.2
50	32.2	30.7	33.7
55	27.9	26.5	29.2
60	23.6	22.3	24.9
65	19.7	18.6	20.7
70	15.9	15.1	16.7
75	12.3	11.7	13.0
80	9.2	8.7	9.6
85	6.5	6.4	6.7

U.S. life expectancy in 2018 was 87.7 years, 76.2 years for males, and 81.2 years for females.<sup>1</sup>

**IDAHO RESIDENT LIFE EXPECTANCY AT BIRTH**  
**By District of Residence**  
**2018**

RESIDENCE	AVERAGE NUMBER OF YEARS LIFE EXPECTANCY AT BIRTH		
	Total	Male	Female
IDAHO	79.3	77.3	81.5
District 1	79.0	76.8	81.3
District 2	79.2	77.4	81.3
District 3	78.5	76.3	80.8
District 4	81.2	79.2	83.3
District 5	79.0	76.5	81.6
District 6	76.9	74.6	79.3
District 7	79.0	77.3	80.7

Life expectancy at birth represents the average number of years a group of infants born in 2018 would live if the group was to experience throughout life the age-specific death rates present in 2018.

See Technical Notes for methodology.

1. "Mortality in the United States, 2018," National Center for Health Statistics Data Brief, No. 355, January 2020.

**IDAHO RESIDENT MORTALITY**  
**Malignant Neoplasm (Cancer) Mortality by Leading Site of Cancer**  
**2018**

RESIDENCE	TOTAL	Trachea, bronchus and lung	Colon, rectum, and anus	Breast	Pancreas	Prostate	Liver and intrahepatic bile ducts	Leukemia	All other malignant neoplasms
IDAHO	3,050	635	279	241	213	203	122	120	1,237
Rate	173.9	36.2	15.9	13.7	12.1	23.1	7.0	6.8	70.5
District 1	563	148	49	49	40	37	24	19	197
Rate	234.4	61.6	20.4	20.4	16.7	31.0	10.0	7.9	82.0
District 2	260	58	26	16	20	10	9	9	112
Rate	237.1	52.9	23.7	14.6	18.2	17.9	8.2	8.2	102.1
District 3	499	107	41	36	40	42	20	15	198
Rate	171.6	36.8	14.1	12.4	13.8	29.1	6.9	5.2	68.1
District 4	776	165	67	65	46	38	37	34	324
Rate	150.4	32.0	13.0	12.6	8.9	14.7	7.2	6.6	62.8
District 5	334	58	30	26	24	29	8	13	146
Rate	167.8	29.1	15.1	13.1	12.1	29.0	4.0	6.5	73.3
District 6	314	45	35	27	29	28	11	18	121
Rate	179.3	25.7	20.0	15.4	16.6	32.0	6.3	10.3	69.1
District 7	304	54	31	22	14	19	13	12	139
Rate	136.0	24.2	13.9	9.8	6.3	16.8	5.8	5.4	62.2
Ada	691	140	61	59	41	34	31	32	293
Adams	11	2	1	-	-	-	1	-	7
Bannock	164	23	19	12	19	12	9	8	62
Bear Lake	17	2	3	1	1	2	-	-	8
Benewah	25	7	1	2	1	1	2	1	10
Bingham	85	12	9	9	5	8	2	5	35
Blaine	29	2	4	1	2	6	-	1	13
Boise	14	4	-	2	2	1	1	-	4
Bonner	114	26	10	10	13	8	5	4	38
Bonneville	176	30	17	15	9	13	7	6	79
Boundary	26	8	4	5	-	-	-	1	8
Butte	7	3	-	1	-	-	-	1	2
Camas	4	1	-	-	-	-	-	-	3
Canyon	345	68	30	27	28	29	13	12	138
Caribou	9	1	-	-	2	-	-	1	5
Cassia	40	6	3	4	4	4	4	-	15
Clark	2	-	-	-	-	-	-	-	2
Clearwater	33	12	1	-	2	1	2	-	15
Custer	11	2	-	2	-	-	-	-	7
Elmore	52	18	6	4	2	1	4	1	16
Franklin	17	1	1	2	2	3	-	2	6
Fremont	26	7	4	2	1	2	2	-	8
Gem	42	10	4	2	5	3	2	1	15
Gooding	32	6	1	2	4	3	-	3	13
Idaho	47	8	8	5	3	2	2	2	17
Jefferson	25	3	4	-	1	-	1	1	15
Jerome	33	4	5	3	2	4	-	-	15
Kootenai	367	98	27	31	26	27	16	13	129
Latah	62	9	4	6	3	2	3	5	30
Lemhi	34	10	3	2	1	3	1	2	12
Lewis	14	2	1	-	1	3	1	-	6
Lincoln	11	5	-	1	-	-	1	-	4
Madison	21	-	2	1	2	1	1	3	11
Minidoka	33	2	2	2	5	4	1	1	16
Nez Perce	104	27	12	5	11	2	1	2	44
Oneida	5	-	1	-	-	2	-	1	1
Owyhee	23	3	1	-	6	3	-	-	10
Payette	52	17	4	6	-	6	2	2	15
Power	10	3	2	2	-	1	-	-	2
Shoshone	31	9	7	1	-	1	1	-	12
Teton	9	2	1	-	-	-	1	-	5
Twin Falls	152	32	15	13	7	8	2	8	67
Valley	19	3	-	-	1	2	1	1	11
Washington	26	7	1	1	1	1	2	-	13

Rates are deaths per 100,000 population. (1) Includes males and females. For breast cancer mortality for females, see the table for Malignant neoplasm mortality by sex. (2) Prostate cancer rates are deaths per 100,000 male population.

**IDAHO RESIDENT MORTALITY**  
**Malignant Neoplasm (Cancer) Mortality by Sex and Leading Site of Cancer**  
**2018**

RESIDENCE	MALES					FEMALES				
	TOTAL	Trachea, bronchus and lung	Prostate	Colon, rectum, and anus	Pancreas	TOTAL	Trachea, bronchus and lung	Breast	Colon, rectum, and anus	Pancreas
IDAHO	1,637	327	203	146	122	1,413	308	239	133	91
Rate	186.2	37.2	23.1	16.6	13.9	161.5	35.2	27.3	15.2	10.4
District 1	285	66	37	22	19	278	82	47	27	21
Rate	239.0	55.4	31.0	18.5	15.9	229.8	67.8	38.9	22.3	17.4
District 2	139	30	10	12	12	121	28	16	14	8
Rate	249.1	53.8	17.9	21.5	21.5	224.6	52.0	29.7	26.0	14.9
District 3	281	61	42	20	25	218	46	36	21	15
Rate	194.4	42.2	29.1	13.8	17.3	149.0	31.5	24.6	14.4	10.3
District 4	409	87	38	40	26	367	78	65	27	20
Rate	157.8	33.6	14.7	15.4	10.0	143.0	30.4	25.3	10.5	7.8
District 5	186	31	29	14	15	148	27	26	16	9
Rate	186.3	31.0	29.0	14.0	15.0	149.2	27.2	26.2	16.1	9.1
District 6	168	24	28	22	18	146	21	27	13	11
Rate	191.9	27.4	32.0	25.1	20.6	166.8	24.0	30.8	14.9	12.6
District 7	169	28	19	16	7	135	26	22	15	7
Rate	149.7	24.8	16.8	14.2	6.2	122.0	23.5	19.9	13.6	6.3
Ada	358	71	34	37	23	333	69	59	24	18
Adams	9	2	-	1	-	2	-	-	-	-
Bannock	84	11	12	13	11	80	12	12	6	8
Bear Lake	13	1	2	2	1	4	1	1	1	-
Benewah	12	2	1	1	-	13	5	1	-	1
Bingham	43	7	8	5	4	42	5	9	4	1
Blaine	21	1	6	3	2	8	1	1	1	-
Boise	4	1	1	-	-	10	3	2	-	2
Bonner	56	10	8	5	7	58	16	10	5	6
Bonneville	92	16	13	7	3	84	14	15	10	6
Boundary	14	6	-	2	-	12	2	5	2	-
Butte	4	2	-	-	-	3	1	1	-	-
Camas	3	-	-	-	-	1	1	-	-	-
Canyon	185	39	29	12	17	160	29	27	18	11
Caribou	5	1	-	-	1	4	-	-	-	1
Cassia	26	5	4	-	2	14	1	4	3	2
Clark	1	-	-	-	-	1	-	-	-	-
Clearwater	24	7	1	1	2	9	5	-	-	-
Custer	6	1	-	-	-	5	1	2	-	-
Elmore	35	14	1	3	2	17	4	4	3	-
Franklin	10	-	3	1	1	7	1	2	-	1
Fremont	12	3	2	2	1	14	4	2	2	-
Gem	27	6	3	1	4	15	4	2	3	1
Gooding	16	2	3	1	1	16	4	2	-	3
Idaho	24	5	2	2	2	23	3	5	6	1
Jefferson	18	2	-	3	1	7	1	-	1	-
Jerome	15	3	4	1	-	18	1	3	4	2
Kootenai	189	45	27	12	12	178	53	31	15	14
Latah	25	4	2	2	1	37	5	6	2	2
Lemhi	22	4	3	3	1	12	6	2	-	-
Lewis	9	-	3	-	1	5	2	-	1	-
Lincoln	3	2	-	-	-	8	3	1	-	-
Madison	13	-	1	1	1	8	-	1	1	1
Minidoka	20	1	4	-	4	13	1	2	2	1
Nez Perce	57	14	2	7	6	47	13	5	5	5
Oneida	4	-	2	-	-	1	-	-	1	-
Owyhee	19	3	3	1	3	4	-	-	-	3
Payette	31	8	6	4	-	21	9	6	-	-
Power	5	2	1	1	-	5	1	2	1	-
Shoshone	14	3	1	2	-	17	6	-	5	-
Teton	5	2	-	-	-	4	-	-	1	-
Twin Falls	82	17	8	9	6	70	15	13	6	1
Valley	12	1	2	-	1	7	2	-	-	-
Washington	10	3	1	1	1	16	4	1	-	-

Sex-specific rates are deaths per 100,000 population for each sex. Rates are unreliable when the rate was calculated with a numerator (number of deaths) <20. All other causes not shown in this table.



**IDAHO RESIDENT MORTALITY**  
**Primary Site of Malignant Neoplasm (Cancer) by Sex**  
**2018**

SITE OF MALIGNANT NEOPLASM (ICD-10 code)	TOTAL	Male	Female
<b>TOTAL</b>	<b>3,050</b>	<b>1,637</b>	<b>1,413</b>
Lip, Oral Cavity, and Pharynx (C00-C14)	48	31	17
Lip (C00)	-	-	-
Tongue (C01-C02)	18	10	8
Pharynx (C10-C13, C14.0)	13	9	4
Other/unspecified sites within the lip, oral cavity, and pharynx (C03-C09, C14.2-C14.8)	17	12	5
Digestive Organs (C15-C26)	804	484	320
Esophagus (C15)	112	92	20
Stomach (C16)	36	20	16
Small intestine (C17)	11	4	7
Colon (C18)	201	103	98
Rectosigmoid junction and rectum (C19-C20)	70	40	30
Anus and anal canal (C21)	8	3	5
Liver (C22.0, C22.2-C22.9)	75	57	18
Intrahepatic bile ducts (C22.1)	47	29	18
Gallbladder and extrahepatic bile ducts (C23-C24)	21	8	13
Pancreas (C25)	213	122	91
Other/ill-defined digestive organs (C26)	10	6	4
Respiratory & Intrathoracic Organs (C30-C39)	658	346	312
Nasal cavity and middle ear and accessory sinuses (C30-C31)	2	1	1
Larynx (C32)	16	16	-
Trachea (C33)	2	2	-
Bronchus and lung (C34)	633	325	308
Thymus, heart, mediastinum, and pleura (C37-C38)	4	2	2
Other/ill-defined sites in the respiratory system and intrathoracic organs (C39)	1	-	1
Bone and Articular Cartilage (C40-C41)	6	3	3
Melanoma and Other Malignant Neoplasm of Skin (C43-C44)	75	53	22
Melanoma of skin (C43)	48	34	14
Other malignant neoplasms of skin (C44)	27	19	8
Mesothelial and Soft Tissue (C45-C49)	45	27	18
Mesothelioma (C45)	13	10	3
Kaposi's sarcoma (C46)	1	1	-
Other mesothelial and soft tissue (C47-C49)	31	16	15
Breast (C50)	241	2	239
Female Genital Organs (C51-C58)	140	-	140
Vulva and vagina (C51-C52)	5	-	5
Cervix uteri (C53)	14	-	14
Corpus uteri and uterus, part unspecified (C54-C55)	49	-	49
Ovary (C56)	64	-	64
Other/unspecified female genital organs (C57)	8	-	8
Placenta (C58)	-	-	-
Male Genital Organs (C60-C63)	208	208	-
Prostate (C61)	203	203	-
Testis (C62)	-	-	-
Penis and other/unspecified male genital organs (C60, C63)	5	5	-
Urinary Organs (C64-C68)	178	126	52
Kidney and renal pelvis (C64-C65)	71	49	22
Bladder (C67)	102	74	28
Other/unspecified sites within the urinary tract (C66, C68)	5	3	2
Eye and Adexa (C69)	8	5	3
Meninges, Brain, and Other Parts of Central Nervous System (C70-C72)	100	58	42
Brain (C71)	99	57	42
Other parts of central nervous system (C70, C72)	1	1	-
Thyroid and Other Endocrine Glands (C73-C75)	15	7	8

**IDAHO RESIDENT MORTALITY**  
**Primary Site of Malignant Neoplasm (Cancer) by Sex (continued)**  
**2018**

SITE OF MALIGNANT NEOPLASM (ICD-10 code)	TOTAL	Male	Female
Lymphatic and Hematopoietic Tissues (C81-C96)	305	168	137
Hodgkin's disease (C81)	4	2	2
Non-Hodgkin's lymphoma (C82-C85)	107	61	46
Immunoproliferative diseases (C88)	1	1	-
Multiple myeloma and malignant plasma cell neoplasms (C90)	72	44	28
Lymphoid leukemia (C91)	33	20	13
Myeloid leukemia (C92)	71	31	40
Monocytic leukemia (C93)	1	-	1
Other/unspecified leukemia (C94-C95)	15	9	6
Other/unspecified lymphoid, hematopoietic and related issues (C86, C96)	1	-	1
Other/Unspecified Sites (C76-C80, C97)	219	119	100

# IDAHO RESIDENT MORTALITY

## Leading Causes of Mortality

### 2018

RESIDENCE	TOTAL DEATHS	Diseases of heart	Malignant neoplasms	Chronic lower respiratory diseases	Accident	Cerebrovascular diseases
IDAHO	14,263	3,121	3,050	900	887	718
Rate	813.1	177.9	173.9	51.3	50.6	40.9
District 1	2,406	507	563	154	105	120
Rate	1,001.7	211.1	234.4	64.1	43.7	50.0
District 2	1,086	214	260	59	67	63
Rate	990.2	195.1	237.1	53.8	61.1	57.4
District 3	2,377	550	499	173	151	96
Rate	817.4	189.1	171.6	59.5	51.9	33.0
District 4	3,473	749	776	202	231	182
Rate	673.2	145.2	150.4	39.2	44.8	35.3
District 5	1,673	357	334	112	144	90
Rate	840.4	179.3	167.8	56.3	72.3	45.2
District 6	1,620	359	314	98	81	83
Rate	925.3	205.1	179.3	56.0	46.3	47.4
District 7	1,628	385	304	102	108	84
Rate	728.4	172.3	136.0	45.6	48.3	37.6
Ada	3,136	678	691	180	207	169
Adams	44	9	11	3	8	1
Bannock	798	188	164	42	37	35
Bear Lake	66	15	17	3	5	4
Benewah	108	20	25	9	4	5
Bingham	418	85	85	28	18	23
Blaine	101	17	29	1	7	8
Boise	57	11	14	4	2	4
Bonner	440	76	114	31	21	34
Bonneville	949	216	176	57	64	41
Boundary	119	31	26	3	4	8
Butte	38	8	7	5	2	1
Camas	13	1	4	-	-	3
Canyon	1,649	369	345	122	97	75
Caribou	60	10	9	8	3	5
Cassia	214	57	40	13	19	11
Clark	5	-	2	-	-	-
Clearwater	101	19	33	4	2	7
Custer	55	11	11	8	3	4
Elmore	215	53	52	16	14	8
Franklin	126	27	17	4	7	6
Fremont	101	20	26	4	7	6
Gem	231	62	42	22	20	4
Gooding	133	30	32	7	8	6
Idaho	208	40	47	16	21	9
Jefferson	181	45	25	13	13	14
Jerome	157	38	33	14	13	6
Kootenai	1,572	345	367	96	67	65
Latah	219	46	62	7	15	18
Lemhi	118	25	34	10	9	8
Lewis	51	9	14	4	1	2
Lincoln	55	17	11	5	3	1
Madison	173	60	21	7	6	8
Minidoka	210	45	33	11	20	13
Nez Perce	507	100	104	28	28	27
Oneida	55	16	5	6	5	6
Owyhee	105	28	23	4	7	5
Payette	239	59	52	16	16	7
Power	59	10	10	2	4	3
Shoshone	167	35	31	15	9	8
Teton	46	8	9	3	6	3
Twin Falls	790	152	152	61	74	42
Valley	65	7	19	2	8	1
Washington	109	23	26	6	3	4

Rates are deaths per 100,000 population.

**IDAHO RESIDENT MORTALITY**  
**Leading Causes of Mortality (continued)**  
**2018**

RESIDENCE	Alzheimer's disease	Suicide	Diabetes mellitus	Chronic liver disease and cirrhosis	Influenza and pneumonia	Parkinson's disease
IDAHO	666	418	408	249	235	200
Rate	38.0	23.8	23.3	14.2	13.4	11.4
District 1	70	67	81	62	42	34
Rate	29.1	27.9	33.7	25.8	17.5	14.2
District 2	41	27	58	17	27	13
Rate	37.4	24.6	52.9	15.5	24.6	11.9
District 3	142	53	56	36	32	24
Rate	48.8	18.2	19.3	12.4	11.0	8.3
District 4	225	120	71	53	49	66
Rate	43.6	23.3	13.8	10.3	9.5	12.8
District 5	71	45	49	22	36	26
Rate	35.7	22.6	24.6	11.1	18.1	13.1
District 6	66	58	48	38	31	18
Rate	37.7	33.1	27.4	21.7	17.7	10.3
District 7	51	48	45	21	18	19
Rate	22.8	21.5	20.1	9.4	8.1	8.5
Ada	208	109	63	45	47	59
Adams	2	-	-	-	-	1
Bannock	49	34	21	19	18	10
Bear Lake	-	2	2	1	1	-
Benewah	4	3	7	3	1	2
Bingham	12	11	15	12	10	4
Blaine	1	2	-	5	1	3
Boise	3	-	3	1	1	-
Bonner	18	12	15	12	12	2
Bonneville	24	33	26	12	11	9
Boundary	7	4	2	3	4	1
Butte	1	1	3	-	-	-
Camas	-	-	-	-	-	-
Canyon	104	40	34	24	22	18
Caribou	-	3	2	1	-	-
Cassia	12	6	5	2	4	2
Clark	1	-	-	-	-	-
Clearwater	1	2	4	-	4	-
Custer	-	1	2	1	1	-
Elmore	10	8	5	5	1	5
Franklin	-	3	2	2	2	3
Fremont	6	-	6	2	1	-
Gem	11	5	5	4	3	4
Gooding	4	5	5	3	-	1
Idaho	6	6	12	4	6	2
Jefferson	1	4	6	3	1	4
Jerome	10	1	5	1	6	2
Kootenai	35	43	50	42	23	25
Latah	4	8	6	3	4	4
Lemhi	4	4	3	-	1	2
Lewis	1	1	4	2	-	-
Lincoln	1	3	-	1	2	-
Madison	14	3	2	2	3	4
Minidoka	7	6	7	2	6	6
Nez Perce	29	10	32	8	13	7
Oneida	3	1	-	2	-	-
Owyhee	5	2	4	1	3	-
Payette	14	5	8	5	1	1
Power	1	3	3	1	-	1
Shoshone	6	5	7	2	2	4
Teton	1	3	-	1	-	-
Twin Falls	36	22	27	8	17	12
Valley	4	3	-	2	-	2
Washington	6	1	5	2	3	-

Rates are deaths per 100,000 population.

**IDAHO RESIDENT MORTALITY**  
**113 Selected Causes of Mortality by Sex and Age Group**  
**2018**

CAUSE OF DEATH	ICD-10 CODE	SEX	TOTAL	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85 +
TOTAL	A01-Y99	T	14,263	109	15	11	26	87	144	240	372	738	1,667	2,818	3,538	4,498
		F	6,726	48	8	5	10	25	38	66	140	291	677	1,148	1,582	2,688
		M	7,537	61	7	6	16	62	106	174	232	447	990	1,670	1,956	1,810
# Salmonella infections	A01-A02	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
# Shigellosis and amebiasis	A03, A06	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Certain other intestinal infections	A04, A07-A09	T	33	-	-	-	-	-	-	-	2	1	1	8	8	13
		F	19	-	-	-	-	-	-	-	1	-	1	3	7	7
		M	14	-	-	-	-	-	-	-	1	1	-	5	1	6
# Enterocolitis due to <i>Clostridium difficile</i>	A04.7	T	20	-	-	-	-	-	-	-	-	1	1	4	6	8
		F	13	-	-	-	-	-	-	-	-	-	1	2	6	4
		M	7	-	-	-	-	-	-	-	-	1	-	2	-	4
# Tuberculosis	A16-A19	T	1	-	-	-	-	-	-	-	-	-	1	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	1	-	-	-	-	-	-	-	-	-	1	-	-	-
Respiratory tuberculosis	A16	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other tuberculosis	A17-A19	T	1	-	-	-	-	-	-	-	-	-	1	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	1	-	-	-	-	-	-	-	-	-	1	-	-	-
# Whooping cough	A37	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
# Scarlet fever and erysipelas	A38, A46	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
# Meningococcal infection	A39	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
# Septicemia	A40-A41	T	103	1	1	-	1	-	-	1	-	6	19	21	32	21
		F	53	-	1	-	-	-	-	-	-	4	9	12	15	12
		M	50	1	-	-	1	-	-	1	-	2	10	9	17	9
# Syphilis	A50-A53	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-

# Causes designated by the symbol # are ranked to determine the leading causes of death. Sex: T=total, F=female, and M=male.

**IDAHO RESIDENT MORTALITY**  
**113 Selected Causes of Mortality by Sex and Age Group (continued)**  
**2018**

CAUSE OF DEATH	ICD-10 CODE	SEX	TOTAL	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85 +
# Acute poliomyelitis	A80	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
# Arthropod-borne viral encephalitis	A83-A84, A85.2	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
# Measles	B05	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
# Viral hepatitis	B15-B19	T	28	-	-	-	-	-	-	-	1	6	14	7	-	-
		F	7	-	-	-	-	-	-	-	1	1	4	1	-	-
		M	21	-	-	-	-	-	-	-	-	5	10	6	-	-
# Human immunodeficiency virus (HIV) disease	B20-B24	T	6	-	-	-	-	-	-	1	-	3	-	-	2	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	6	-	-	-	-	-	-	1	-	3	-	-	2	-
# Malaria	B50-B54	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other and unspecified infectious and parasitic diseases and their sequelae	See footnote 1	T	50	2	1	-	-	-	-	1	2	2	3	10	13	16
		F	24	1	-	-	-	-	-	-	-	1	2	6	5	9
		M	26	1	1	-	-	-	-	1	2	1	1	4	8	7
West Nile Fever	A92.3	T	1	-	-	-	-	-	-	-	-	-	-	-	1	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	1	-	-	-	-	-	-	-	-	-	-	-	1	-
# Malignant neoplasms (cancer)	C00-C97	T	3,050	-	2	3	2	5	4	13	61	176	499	872	846	567
		F	1,413	-	-	2	1	4	-	7	32	97	221	383	372	294
		M	1,637	-	2	1	1	1	4	6	29	79	278	489	474	273
Lip, oral cavity and pharynx	C00-C14	T	48	-	-	-	-	-	-	-	-	4	13	12	13	6
		F	17	-	-	-	-	-	-	-	-	2	4	4	5	2
		M	31	-	-	-	-	-	-	-	-	2	9	8	8	4
Esophagus	C15	T	112	-	-	-	-	-	-	-	-	3	25	36	30	18
		F	20	-	-	-	-	-	-	-	-	-	5	6	6	3
		M	92	-	-	-	-	-	-	-	-	3	20	30	24	15
Stomach	C16	T	36	-	-	-	-	-	-	-	2	2	5	9	12	6
		F	16	-	-	-	-	-	-	-	2	1	2	4	4	3
		M	20	-	-	-	-	-	-	-	-	1	3	5	8	3
Colon, rectum and anus	C18-C21	T	279	-	-	-	-	-	-	-	11	23	58	72	59	56
		F	133	-	-	-	-	-	-	-	2	9	23	31	29	39
		M	146	-	-	-	-	-	-	-	9	14	35	41	30	17

# Causes designated by the symbol # are ranked to determine the leading causes of death. Sex: T=total, F=female, and M=male.

1. Other and unspecified infectious and parasitic diseases and their sequelae: A00, A05, A20-A36, A42-A44, A48-A49, A54-A79, A81-A82, A85.0-A85.1, A85.8, A86-B04, B06-B09, B25-B49, B55-B99

**IDAHO RESIDENT MORTALITY**  
**113 Selected Causes of Mortality by Sex and Age Group (continued)**  
**2018**

CAUSE OF DEATH	ICD-10 CODE	SEX	TOTAL	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85 +
Liver and intrahepatic bile ducts	C22	T	122	-	-	-	-	-	-	-	3	7	27	41	32	12
		F	36	-	-	-	-	-	-	-	-	4	4	9	12	7
		M	86	-	-	-	-	-	-	-	3	3	23	32	20	5
Pancreas	C25	T	213	-	-	-	-	-	-	-	3	13	42	69	56	30
		F	91	-	-	-	-	-	-	-	2	3	18	27	23	18
		M	122	-	-	-	-	-	-	-	1	10	24	42	33	12
Larynx	C32	T	16	-	-	-	-	-	-	-	-	-	6	5	2	3
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	16	-	-	-	-	-	-	-	-	-	6	5	2	3
Trachea, bronchus and lung	C33-C34	T	635	-	-	-	-	-	-	1	2	26	88	224	202	92
		F	308	-	-	-	-	-	-	-	2	12	40	100	102	52
		M	327	-	-	-	-	-	-	1	-	14	48	124	100	40
Malignant melanoma of skin	C43	T	48	-	-	-	-	-	-	2	2	2	16	7	13	6
		F	14	-	-	-	-	-	-	2	1	2	2	1	3	3
		M	34	-	-	-	-	-	-	-	1	-	14	6	10	3
Breast	C50	T	241	-	-	-	-	-	-	2	6	24	49	60	46	54
		F	239	-	-	-	-	-	-	2	6	24	49	60	45	53
		M	2	-	-	-	-	-	-	-	-	-	-	-	1	1
Cervix uteri	C53	T	14	-	-	-	-	-	-	-	2	5	4	1	2	-
		F	14	-	-	-	-	-	-	-	2	5	4	1	2	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Corpus uteri and uterus, part unspecified	C54-C55	T	49	-	-	-	-	-	-	-	1	3	8	19	11	7
		F	49	-	-	-	-	-	-	-	1	3	8	19	11	7
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ovary	C56	T	64	-	-	-	-	-	-	-	2	10	11	20	14	7
		F	64	-	-	-	-	-	-	-	2	10	11	20	14	7
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prostate	C61	T	203	-	-	-	-	-	-	-	-	4	14	49	70	66
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	203	-	-	-	-	-	-	-	-	4	14	49	70	66
Kidney and renal pelvis	C64-C65	T	71	-	1	-	-	-	-	-	3	-	11	27	18	11
		F	22	-	-	-	-	-	-	-	-	-	4	6	6	6
		M	49	-	1	-	-	-	-	-	3	-	7	21	12	5
Bladder	C67	T	102	-	-	-	-	-	-	-	1	1	10	16	33	41
		F	28	-	-	-	-	-	-	-	1	-	1	3	12	11
		M	74	-	-	-	-	-	-	-	-	1	9	13	21	30
Meninges, brain and other parts of central nervous system	C70-C72	T	100	-	-	1	-	-	2	4	6	7	17	31	24	8
		F	42	-	-	-	-	-	-	2	1	4	7	12	9	7
		M	58	-	-	1	-	-	2	2	5	3	10	19	15	1

# Causes designated by the symbol # are ranked to determine the leading causes of death. Sex: T=total, F=female, and M=male.

**IDAHO RESIDENT MORTALITY**  
**113 Selected Causes of Mortality by Sex and Age Group (continued)**  
**2018**

CAUSE OF DEATH	ICD-10 CODE	SEX	TOTAL	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85 +
Lymphoid, hematopoietic and related tissue	C81-C96	T	305	-	1	-	1	3	-	3	5	12	31	82	119	48
		F	137	-	-	-	-	3	-	1	3	5	13	36	52	24
		M	168	-	1	-	1	-	-	2	2	7	18	46	67	24
Hodgkin's disease	C81	T	4	-	-	-	-	-	-	-	-	2	-	1	1	-
		F	2	-	-	-	-	-	-	-	-	1	-	1	-	-
		M	2	-	-	-	-	-	-	-	-	1	-	-	1	-
Non-Hodgkin's lymphoma	C82-C85	T	107	-	-	-	1	-	-	-	1	5	14	30	38	18
		F	46	-	-	-	-	-	-	-	-	2	6	11	16	11
		M	61	-	-	-	1	-	-	-	1	3	8	19	22	7
Leukemia	C91-C95	T	120	-	1	-	-	3	-	3	3	5	8	27	50	20
		F	60	-	-	-	-	3	-	1	3	2	3	14	23	11
		M	60	-	1	-	-	-	-	2	-	3	5	13	27	9
Multiple myeloma and immunoproliferative neoplasms	C88, C90	T	73	-	-	-	-	-	-	-	1	-	9	24	29	10
		F	28	-	-	-	-	-	-	-	-	-	4	10	12	2
		M	45	-	-	-	-	-	-	-	1	-	5	14	17	8
Other and unspecified malignant neoplasms of lymphoid, hematopoietic and related tissue	C96	T	1	-	-	-	-	-	-	-	-	-	-	-	1	-
		F	1	-	-	-	-	-	-	-	-	-	-	-	1	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other & unspecified malignant neoplasms	See footnote 1	T	392	-	-	2	1	2	2	1	12	30	64	92	90	96
		F	183	-	-	2	1	1	-	-	7	13	26	44	37	52
		M	209	-	-	-	-	1	2	1	5	17	38	48	53	44
# In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior	D00-D48	T	86	-	-	-	2	1	-	-	1	2	8	15	28	29
		F	37	-	-	-	2	-	-	-	1	1	4	5	13	11
		M	49	-	-	-	-	1	-	-	-	1	4	10	15	18
# Anemias	D50-D64	T	16	-	-	-	-	-	-	-	1	-	1	3	5	6
		F	7	-	-	-	-	-	-	-	-	-	-	2	4	1
		M	9	-	-	-	-	-	-	-	1	-	1	1	1	5
# Diabetes mellitus	E10-E14	T	408	-	-	-	-	1	1	3	6	31	47	115	117	87
		F	176	-	-	-	-	-	-	2	2	9	20	41	52	50
		M	232	-	-	-	-	1	1	1	4	22	27	74	65	37
# Nutritional deficiencies	E40-E64	T	47	-	-	-	-	-	-	-	-	-	3	3	8	33
		F	34	-	-	-	-	-	-	-	-	-	3	3	5	23
		M	13	-	-	-	-	-	-	-	-	-	-	-	3	10
Malnutrition	E40-E46	T	46	-	-	-	-	-	-	-	-	-	3	2	8	33
		F	33	-	-	-	-	-	-	-	-	-	3	2	5	23
		M	13	-	-	-	-	-	-	-	-	-	-	-	3	10
Other nutritional deficiencies	E50-E64	T	1	-	-	-	-	-	-	-	-	-	-	1	-	-
		F	1	-	-	-	-	-	-	-	-	-	-	1	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-

# Causes designated by the symbol # are ranked to determine the leading causes of death. Sex: T=total, F=female, and M=male.

1. All other and unspecified malignant neoplasms: C17, C23-C24, C26-C31, C37-C41, C44-C49, C51-C52, C57-C60, C62-C63, C66, C68-C69, C73-C80, C97.



**IDAHO RESIDENT MORTALITY**  
**113 Selected Causes of Mortality by Sex and Age Group (continued)**  
**2018**

CAUSE OF DEATH	ICD-10 CODE	SEX	TOTAL	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85 +
# Meningitis	G00, G03	T	4	-	-	-	1	1	-	1	-	-	-	1	-	-
		F	3	-	-	-	-	1	-	1	-	-	-	1	-	-
		M	1	-	-	-	1	-	-	-	-	-	-	-	-	-
# Parkinson's disease	G20-G21	T	200	-	-	-	-	-	-	-	-	-	7	24	81	88
		F	77	-	-	-	-	-	-	-	-	-	5	9	29	34
		M	123	-	-	-	-	-	-	-	-	-	2	15	52	54
# Alzheimer's disease	G30	T	666	-	-	-	-	-	-	-	-	-	3	53	215	395
		F	444	-	-	-	-	-	-	-	-	-	1	31	133	279
		M	222	-	-	-	-	-	-	-	-	-	2	22	82	116
Major cardiovascular diseases	I00-I78	T	4,066	1	1	2	-	1	2	13	42	148	421	727	999	1,709
		F	1,911	-	1	1	-	-	1	6	11	45	136	262	409	1,039
		M	2,155	1	-	1	-	1	1	7	31	103	285	465	590	670
# Diseases of heart	I00-I09, I11, I13, I20-I51	T	3,121	1	1	2	-	1	2	9	36	132	342	558	741	1,296
		F	1,363	-	1	1	-	-	1	3	9	37	100	178	276	757
		M	1,758	1	-	1	-	1	1	6	27	95	242	380	465	539
Acute rheumatic fever and chronic rheumatic heart diseases	I00-I09	T	35	-	-	-	-	-	-	-	-	1	1	3	15	15
		F	26	-	-	-	-	-	-	-	-	1	1	2	12	10
		M	9	-	-	-	-	-	-	-	-	-	-	1	3	5
Hypertensive heart disease	I11	T	152	-	-	-	-	-	-	-	2	8	13	22	36	71
		F	78	-	-	-	-	-	-	-	1	1	3	8	17	48
		M	74	-	-	-	-	-	-	-	1	7	10	14	19	23
Hypertensive heart and renal disease	I13	T	49	-	-	-	-	-	-	-	1	1	2	10	7	28
		F	29	-	-	-	-	-	-	-	-	-	1	3	6	19
		M	20	-	-	-	-	-	-	-	1	1	1	7	1	9
Ischemic heart diseases	I20-I25	T	1,577	-	-	-	-	-	-	5	14	77	219	333	411	518
		F	556	-	-	-	-	-	-	1	4	18	54	93	120	266
		M	1,021	-	-	-	-	-	-	4	10	59	165	240	291	252
Acute myocardial infarction	I21-I22	T	695	-	-	-	-	-	-	3	10	51	142	181	169	139
		F	233	-	-	-	-	-	-	1	2	13	32	49	55	81
		M	462	-	-	-	-	-	-	2	8	38	110	132	114	58
Other acute ischemic heart diseases	I24	T	18	-	-	-	-	-	-	-	-	-	4	5	3	6
		F	9	-	-	-	-	-	-	-	-	-	2	2	2	3
		M	9	-	-	-	-	-	-	-	-	-	2	3	1	3
Other forms of chronic ischemic heart disease	I20, I25	T	864	-	-	-	-	-	-	2	4	26	73	147	239	373
		F	314	-	-	-	-	-	-	-	2	5	20	42	63	182
		M	550	-	-	-	-	-	-	2	2	21	53	105	176	191
Atherosclerotic cardiovascular disease, so described	I25.0	T	92	-	-	-	-	-	-	1	1	6	18	22	15	29
		F	35	-	-	-	-	-	-	-	-	-	7	3	6	19
		M	57	-	-	-	-	-	-	1	1	6	11	19	9	10

# Causes designated by the symbol # are ranked to determine the leading causes of death. Sex: T=total, F=female, and M=male.

**IDAHO RESIDENT MORTALITY**  
**113 Selected Causes of Mortality by Sex and Age Group (continued)**  
**2018**

CAUSE OF DEATH	ICD-10 CODE	SEX	TOTAL	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85 +
All other forms of chronic ischemic heart disease	I20, I25.1-I25.9	T	772	-	-	-	-	-	-	1	3	20	55	125	224	344
		F	279	-	-	-	-	-	-	-	2	5	13	39	57	163
		M	493	-	-	-	-	-	-	1	1	15	42	86	167	181
Other heart diseases	I26-I51	T	1,308	1	1	2	-	1	2	4	19	45	107	190	272	664
		F	674	-	1	1	-	-	1	2	4	17	41	72	121	414
		M	634	1	-	1	-	1	1	2	15	28	66	118	151	250
Acute and subacute endocarditis	I33	T	7	-	-	-	-	-	-	1	1	1	-	1	2	1
		F	2	-	-	-	-	-	-	1	-	-	-	-	1	-
		M	5	-	-	-	-	-	-	-	1	1	-	1	1	1
Diseases of pericardium and acute myocarditis	I30-I31, I40	T	1	-	-	-	-	-	-	-	1	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	1	-	-	-	-	-	-	-	1	-	-	-	-	-
Heart failure	I50	T	483	-	-	-	-	-	1	-	1	9	17	60	104	291
		F	275	-	-	-	-	-	-	-	1	2	9	24	49	190
		M	208	-	-	-	-	-	1	-	-	7	8	36	55	101
All other forms of heart disease	I26-I28, I34-I38, I42-I49, I51	T	817	1	1	2	-	1	1	3	16	35	90	129	166	372
		F	397	-	1	1	-	-	1	1	3	15	32	48	71	224
		M	420	1	-	1	-	1	-	2	13	20	58	81	95	148
# Essential hypertension and hypertensive renal disease	I10, I12, I15	T	119	-	-	-	-	-	-	-	-	1	10	21	34	53
		F	62	-	-	-	-	-	-	-	-	-	4	8	15	35
		M	57	-	-	-	-	-	-	-	-	1	6	13	19	18
# Cerebrovascular diseases	I60-I69	T	718	-	-	-	-	-	-	4	5	12	58	122	192	325
		F	432	-	-	-	-	-	-	3	2	7	28	66	100	226
		M	286	-	-	-	-	-	-	1	3	5	30	56	92	99
# Atherosclerosis	I70	T	10	-	-	-	-	-	-	-	-	-	1	2	2	5
		F	6	-	-	-	-	-	-	-	-	-	1	1	1	3
		M	4	-	-	-	-	-	-	-	-	-	-	1	1	2
Other diseases of circulatory system	I71-I78	T	98	-	-	-	-	-	-	-	1	3	10	24	30	30
		F	48	-	-	-	-	-	-	-	-	1	3	9	17	18
		M	50	-	-	-	-	-	-	-	1	2	7	15	13	12
# Aortic aneurysm and dissection	I71	T	61	-	-	-	-	-	-	-	1	1	7	15	19	18
		F	26	-	-	-	-	-	-	-	-	-	2	3	10	11
		M	35	-	-	-	-	-	-	-	1	1	5	12	9	7
Other diseases of arteries, arterioles and capillaries	I72-I78	T	37	-	-	-	-	-	-	-	-	2	3	9	11	12
		F	22	-	-	-	-	-	-	-	-	1	1	6	7	7
		M	15	-	-	-	-	-	-	-	-	1	2	3	4	5
Other disorders of circulatory system	I80-I99	T	26	-	-	-	-	1	-	-	1	3	6	5	5	5
		F	12	-	-	-	-	1	-	-	1	2	-	2	2	4
		M	14	-	-	-	-	-	-	-	-	1	6	3	3	1

# Causes designated by the symbol # are ranked to determine the leading causes of death. Sex: T=total, F=female, and M=male.

**IDAHO RESIDENT MORTALITY**  
**113 Selected Causes of Mortality by Sex and Age Group (continued)**  
**2018**

CAUSE OF DEATH	ICD-10 CODE	SEX	TOTAL	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85 +
# Influenza and pneumonia	J09-J18	T	235	-	-	-	-	-	1	2	5	4	27	35	57	104
		F	130	-	-	-	-	-	1	2	3	3	16	16	27	62
		M	105	-	-	-	-	-	-	-	2	1	11	19	30	42
Influenza	J09-J11	T	66	-	-	-	-	-	-	1	1	3	8	7	13	33
		F	36	-	-	-	-	-	-	1	-	3	7	2	4	19
		M	30	-	-	-	-	-	-	-	1	-	1	5	9	14
Pneumonia	J12-J18	T	169	-	-	-	-	-	1	1	4	1	19	28	44	71
		F	94	-	-	-	-	-	1	1	3	-	9	14	23	43
		M	75	-	-	-	-	-	-	-	1	1	10	14	21	28
Other acute lower respiratory infections	J20-J22, U04	T	1	-	-	-	-	-	-	-	-	-	-	-	-	1
		F	1	-	-	-	-	-	-	-	-	-	-	-	-	1
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
# Acute bronchitis and bronchiolitis	J20-J21	T	1	-	-	-	-	-	-	-	-	-	-	-	-	1
		F	1	-	-	-	-	-	-	-	-	-	-	-	-	1
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other and unspecified acute lower respiratory infections	J22, U04	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
# Chronic lower respiratory diseases	J40-J47	T	900	-	-	-	-	-	2	-	2	15	78	265	304	234
		F	431	-	-	-	-	-	1	-	-	6	41	117	146	120
		M	469	-	-	-	-	-	1	-	2	9	37	148	158	114
Bronchitis, chronic and unspecified	J40-J42	T	3	-	-	-	-	-	-	-	1	-	-	-	1	1
		F	1	-	-	-	-	-	-	-	-	-	-	-	-	1
		M	2	-	-	-	-	-	-	-	1	-	-	-	1	-
Emphysema	J43	T	51	-	-	-	-	-	-	-	-	2	6	17	15	11
		F	17	-	-	-	-	-	-	-	-	-	1	5	6	5
		M	34	-	-	-	-	-	-	-	-	2	5	12	9	6
Asthma	J45-J46	T	19	-	-	-	-	-	2	-	-	4	3	5	1	4
		F	11	-	-	-	-	-	1	-	-	2	2	3	-	3
		M	8	-	-	-	-	-	1	-	-	2	1	2	1	1
Other chronic lower respiratory diseases	J44, J47	T	827	-	-	-	-	-	-	-	1	9	69	243	287	218
		F	402	-	-	-	-	-	-	-	-	4	38	109	140	111
		M	425	-	-	-	-	-	-	-	1	5	31	134	147	107
# Pneumoconiosis and chemical effects	J60-J66, J68	T	9	-	-	-	-	-	-	-	-	2	-	1	4	2
		F	1	-	-	-	-	-	-	-	-	-	-	-	1	-
		M	8	-	-	-	-	-	-	-	-	2	-	1	3	2
# Pneumonitis due to solids and liquids	J69	T	85	-	-	-	-	-	-	1	-	2	6	8	22	46
		F	41	-	-	-	-	-	-	1	-	1	3	4	12	20
		M	44	-	-	-	-	-	-	-	-	1	3	4	10	26

# Causes designated by the symbol # are ranked to determine the leading causes of death. Sex: T=total, F=female, and M=male.

**IDAHO RESIDENT MORTALITY**  
**113 Selected Causes of Mortality by Sex and Age Group (continued)**  
**2018**

CAUSE OF DEATH	ICD-10 CODE	SEX	TOTAL	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85 +
Other diseases of respiratory system	J00-J06, J30-J39, J67, J70-J98	T	217	-	1	-	1	1	-	2	-	8	22	43	69	70
		F	83	-	1	-	-	-	-	1	-	2	10	14	21	34
		M	134	-	-	-	1	1	-	1	-	6	12	29	48	36
# Peptic ulcer	K25-K28	T	30	-	-	-	-	-	-	-	1	-	4	3	7	15
		F	15	-	-	-	-	-	-	-	-	-	2	1	5	7
		M	15	-	-	-	-	-	-	-	1	-	2	2	2	8
# Diseases of appendix	K35-K38	T	2	1	-	-	-	-	-	-	-	-	1	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	2	1	-	-	-	-	-	-	-	-	1	-	-	-
# Hernia	K40-K46	T	18	-	-	-	-	-	-	-	1	1	3	1	4	8
		F	11	-	-	-	-	-	-	-	-	-	2	-	2	7
		M	7	-	-	-	-	-	-	-	1	1	1	1	2	1
# Chronic liver disease and cirrhosis	K70, K73-K74	T	249	-	-	-	-	-	1	12	20	48	85	56	21	6
		F	103	-	-	-	-	-	1	8	7	21	28	21	13	4
		M	146	-	-	-	-	-	-	4	13	27	57	35	8	2
Alcoholic liver disease	K70	T	184	-	-	-	-	-	1	8	19	41	72	33	8	2
		F	66	-	-	-	-	-	1	5	7	18	21	9	4	1
		M	118	-	-	-	-	-	-	3	12	23	51	24	4	1
Other chronic liver disease and cirrhosis	K73-K74	T	65	-	-	-	-	-	-	4	1	7	13	23	13	4
		F	37	-	-	-	-	-	-	3	-	3	7	12	9	3
		M	28	-	-	-	-	-	-	1	1	4	6	11	4	1
# Cholelithiasis and other disorders of gallbladder	K80-K82	T	24	-	-	-	-	-	-	-	1	2	1	6	6	8
		F	14	-	-	-	-	-	-	-	1	1	-	4	3	5
		M	10	-	-	-	-	-	-	-	-	1	1	2	3	3
# Nephritis, nephrotic syndrome and nephrosis	N00-N07, N17-N19, N25-N27	T	150	-	-	-	-	-	-	-	2	4	13	35	42	54
		F	69	-	-	-	-	-	-	-	1	2	5	17	16	28
		M	81	-	-	-	-	-	-	-	1	2	8	18	26	26
Acute and rapidly progressive nephritic and nephrotic syndrome	N00-N01, N04	T	2	-	-	-	-	-	-	-	-	-	-	1	-	1
		F	2	-	-	-	-	-	-	-	-	-	-	1	-	1
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chronic glomerulonephritis, nephritis and nephritis not specified as acute or chronic, and renal sclerosis unspecified	N02-N03, N05-N07, N26	T	4	-	-	-	-	-	-	-	-	-	1	3	-	-
		F	1	-	-	-	-	-	-	-	-	-	-	1	-	-
		M	3	-	-	-	-	-	-	-	-	-	1	2	-	-
Renal failure	N17-N19	T	144	-	-	-	-	-	-	-	2	4	12	31	42	53
		F	66	-	-	-	-	-	-	-	1	2	5	15	16	27
		M	78	-	-	-	-	-	-	-	1	2	7	16	26	26
Other disorders of kidney	N25, N27	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-

# Causes designated by the symbol # are ranked to determine the leading causes of death. Sex: T=total, F=female, and M=male.

**IDAHO RESIDENT MORTALITY**  
**113 Selected Causes of Mortality by Sex and Age Group (continued)**  
**2018**

CAUSE OF DEATH	ICD-10 CODE	SEX	TOTAL	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85 +
# Infections of kidney	N10-N12, N13.6, N15.1	T	8	-	-	-	-	-	-	-	-	1	2	1	1	3
		F	6	-	-	-	-	-	-	-	-	1	2	1	-	2
		M	2	-	-	-	-	-	-	-	-	-	-	-	1	1
# Hyperplasia of prostate	N40	T	6	-	-	-	-	-	-	-	-	1	-	-	2	3
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	6	-	-	-	-	-	-	-	-	1	-	-	2	3
# Inflammatory diseases of female pelvic organs	N70-N76	T	2	-	-	-	-	-	-	-	-	-	-	1	-	1
		F	2	-	-	-	-	-	-	-	-	-	-	1	-	1
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
# Pregnancy, childbirth and the puerperium	O00-O99	T	7	-	-	-	-	-	1	2	4	-	-	-	-	-
		F	7	-	-	-	-	-	1	2	4	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pregnancy with abortive outcome	O00-O07	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other complications of pregnancy, childbirth and the puerperium	O10-O95, O98-O99	T	4	-	-	-	-	-	1	1	2	-	-	-	-	-
		F	4	-	-	-	-	-	1	1	2	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maternal causes more than 42 days after delivery or termination of pregnancy	O96-O97	T	3	-	-	-	-	-	-	1	2	-	-	-	-	-
		F	3	-	-	-	-	-	-	1	2	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
# Certain conditions originating in the perinatal period	P00-P96	T	55	54	-	-	-	-	-	-	-	-	1	-	-	-
		F	28	28	-	-	-	-	-	-	-	-	-	-	-	-
		M	27	26	-	-	-	-	-	-	-	-	1	-	-	-
# Congenital malformations, deformations and chromosomal abnormalities	Q00-Q99	T	80	29	1	2	1	3	1	7	6	6	9	6	4	5
		F	39	12	1	1	-	3	-	4	3	2	4	3	1	5
		M	41	17	-	1	1	-	1	3	3	4	5	3	3	-
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	R00-R99	T	179	12	1	-	-	1	2	-	4	3	8	9	17	122
		F	104	5	-	-	-	1	-	-	2	-	2	4	10	80
		M	75	7	1	-	-	-	2	-	2	3	6	5	7	42
Sudden infant death syndrome	R95	T	7	7	-	-	-	-	-	-	-	-	-	-	-	-
		F	2	2	-	-	-	-	-	-	-	-	-	-	-	-
		M	5	5	-	-	-	-	-	-	-	-	-	-	-	-
Other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	R00-R53, R55-R94, R96-R99	T	172	5	1	-	-	1	2	-	4	3	8	9	17	122
		F	102	3	-	-	-	1	-	-	2	-	2	4	10	80
		M	70	2	1	-	-	-	2	-	2	3	6	5	7	42
All other diseases (residual)	All other A00-N99	T	1,808	3	-	2	4	2	5	11	36	71	201	323	467	683
		F	961	1	-	1	2	1	2	4	15	28	93	134	222	458
		M	847	2	-	1	2	1	3	7	21	43	108	189	245	225

# Causes designated by the symbol # are ranked to determine the leading causes of death. Sex: T=total, F=female, and M=male.

**IDAHO RESIDENT MORTALITY**  
**113 Selected Causes of Mortality by Sex and Age Group (continued)**  
**2018**

CAUSE OF DEATH	ICD-10 CODE	SEX	TOTAL	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85 +
# Accidents (unintentional injuries)	V01-X59, Y85-Y86	T	887	6	6	2	4	38	64	91	105	101	106	105	114	145
		F	329	1	3	-	1	7	21	17	36	35	37	41	47	83
		M	558	5	3	2	3	31	43	74	69	66	69	64	67	62
Transport accidents	V01-V99, Y85	T	285	-	3	1	1	24	40	29	46	33	35	37	25	11
		F	77	-	1	-	-	4	12	4	18	9	5	11	8	5
		M	208	-	2	1	1	20	28	25	28	24	30	26	17	6
Motor vehicle accidents	See footnote 1	T	248	-	2	-	1	23	38	26	41	29	30	28	21	9
		F	71	-	1	-	-	4	12	4	17	8	5	9	7	4
		M	177	-	1	-	1	19	26	22	24	21	25	19	14	5
Other land transport accidents	See footnote 2	T	9	-	-	-	-	-	1	1	1	2	1	2	-	1
		F	1	-	-	-	-	-	-	-	-	1	-	-	-	-
		M	8	-	-	-	-	-	1	1	1	1	1	2	-	1
Water, air and space, other and unspecified transport accidents and their sequelae	V90-V99, Y85	T	28	-	1	1	-	1	1	2	4	2	4	7	4	1
		F	5	-	-	-	-	-	-	-	1	-	-	2	1	1
		M	23	-	1	1	-	1	1	2	3	2	4	5	3	-
Nontransport accidents	W00-X59, Y86	T	602	6	3	1	3	14	24	62	59	68	71	68	89	134
		F	252	1	2	-	1	3	9	13	18	26	32	30	39	78
		M	350	5	1	1	2	11	15	49	41	42	39	38	50	56
Falls	W00-W19	T	235	-	-	-	1	1	1	4	3	12	10	28	60	115
		F	121	-	-	-	-	-	1	-	1	4	2	13	28	72
		M	114	-	-	-	1	1	-	4	2	8	8	15	32	43
Accidental discharge of firearms	W32-W34	T	5	-	-	-	-	1	2	1	-	1	-	-	-	-
		F	1	-	-	-	-	-	1	-	-	-	-	-	-	-
		M	4	-	-	-	-	1	1	1	-	1	-	-	-	-
Accidental drowning and submersion	W65-W74	T	25	-	1	-	-	6	3	2	4	2	3	1	3	-
		F	8	-	1	-	-	-	2	-	2	1	1	-	1	-
		M	17	-	-	-	-	6	1	2	2	1	2	1	2	-
Accidental exposure to smoke, fire and flames	X00-X09	T	16	-	1	-	-	-	1	-	-	3	3	2	5	1
		F	4	-	1	-	-	-	-	-	-	1	1	-	1	-
		M	12	-	-	-	-	-	1	-	-	2	2	2	4	1
Accidental poisoning and exposure to noxious substances	X40-X49	T	212	-	-	-	-	6	16	51	44	40	35	15	3	2
		F	84	-	-	-	-	3	5	12	15	20	17	9	2	1
		M	128	-	-	-	-	3	11	39	29	20	18	6	1	1
Other and unspecified nontransport accidents and their sequelae	See footnote 3	T	109	6	1	1	2	-	1	4	8	10	20	22	18	16
		F	34	1	-	-	1	-	-	1	-	-	11	8	7	5
		M	75	5	1	1	1	-	1	3	8	10	9	14	11	11

# Causes designated by the symbol # are ranked to determine the leading causes of death. Sex: T=total, F=female, and M=male.

1. Motor vehicle accident ICD-10 codes: V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2.
2. Other land transport accidents ICD-10 codes: V01, V05-V06, V09.1, V09.3-V09.9, V10-V11, V15-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.1, V89.3, V89.9.
3. Other and unspecified nontransport accidents and their sequelae ICD-10 codes: W20-W31, W35-W64, W75-W99, X10-X39, X50-X59, Y86.

**IDAHO RESIDENT MORTALITY**  
**113 Selected Causes of Mortality by Sex and Age Group (continued), 2018**

CAUSE OF DEATH	ICD-10 CODE	SEX	TOTAL	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85 +
# Intentional self-harm (suicide)	U03, X60-X84, Y87.0	T	418	-	-	-	9	30	48	65	55	75	52	45	26	13
		F	92	-	-	-	4	6	8	9	15	22	17	6	2	3
		M	326	-	-	-	5	24	40	56	40	53	35	39	24	10
Discharge of firearms	X72-X74	T	250	-	-	-	2	15	30	38	29	37	32	35	20	12
		F	41	-	-	-	1	1	4	4	9	8	8	3	-	3
		M	209	-	-	-	1	14	26	34	20	29	24	32	20	9
Other and unspecified means and their sequelae	U03, X60-X71, X75-X84, Y87.0	T	168	-	-	-	7	15	18	27	26	38	20	10	6	1
		F	51	-	-	-	3	5	4	5	6	14	9	3	2	-
		M	117	-	-	-	4	10	14	22	20	24	11	7	4	1
# Assault (homicide)	U01-U02, X85- Y09, Y87.1	T	42	-	1	-	-	2	11	6	6	5	6	3	1	1
		F	14	-	1	-	-	1	1	2	2	2	2	1	1	1
		M	28	-	-	-	-	1	10	4	4	3	4	2	-	-
Discharge of firearms	U01.4, X93- X95	T	31	-	-	-	-	1	8	6	5	5	3	2	1	-
		F	9	-	-	-	-	-	-	2	2	2	1	1	1	-
		M	22	-	-	-	-	1	8	4	3	3	2	1	-	-
Other and unspecified means and their sequelae	See footnote 1	T	11	-	1	-	-	1	3	-	1	-	3	1	-	1
		F	5	-	1	-	-	1	1	-	-	-	1	-	-	1
		M	6	-	-	-	-	-	2	-	1	-	2	1	-	-
# Legal intervention	Y35, Y89.0	T	7	-	-	-	-	-	-	3	2	1	1	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	7	-	-	-	-	-	-	3	2	1	1	-	-	-
Events of undetermined intent	Y10-Y34, Y87.2, Y89.9	T	22	-	-	-	1	-	-	5	4	5	5	1	-	1
		F	9	-	-	-	-	-	-	-	1	2	5	-	-	1
		M	13	-	-	-	1	-	-	5	3	3	-	1	-	-
Discharge of firearms	Y22-Y24	T	1	-	-	-	-	-	-	1	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	1	-	-	-	-	-	-	1	-	-	-	-	-	-
Other and unspecified events of undetermined intent and their sequelae	Y10-Y21, Y25- Y34, Y87.2, Y89.9	T	21	-	-	-	1	-	-	4	4	5	5	1	-	1
		F	9	-	-	-	-	-	-	-	1	2	5	-	-	1
		M	12	-	-	-	1	-	-	4	3	3	-	1	-	-
Poisoning and exposure to noxious substances	Y10-Y19	T	14	-	-	-	-	-	-	3	3	3	3	1	-	1
		F	5	-	-	-	-	-	-	-	-	1	3	-	-	1
		M	9	-	-	-	-	-	-	3	3	2	-	1	-	-
# Operations of war and their sequelae <sup>2</sup>	Y36, Y89.1	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
# Complications of medical and surgical care	Y40-Y84, Y88	T	32	-	-	-	-	-	1	-	1	5	3	7	11	4
		F	19	-	-	-	-	-	1	-	1	3	2	2	7	3
		M	13	-	-	-	-	-	-	-	-	2	1	5	4	1

# Causes designated by the symbol # are ranked to determine the leading causes of death. Sex: T=total, F=female, and M=male.

1. Assault (homicide) by other and unspecified means and their sequelae ICD-10 codes: U01.1-U01.3, U01.5-U01.9, U02, X85-X92, X96-Y09, Y87.1.

2. Operations of war and their sequelae includes deaths due to late effects of injury of war; this category does not include Idaho resident deaths occurring overseas during military activities.

**IDAHO RESIDENT MORTALITY**  
**Accidental (Unintentional Injury) Mortality by Cause of Accident, Age Group, and Sex**  
**2018**

CAUSE OF DEATH	ICD-10 CODE	SEX	TOTAL	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85 +
Total Accidents (unintentional injuries)	V01-X59, Y85-Y86	T	887	6	6	2	4	38	64	91	105	101	106	105	114	145
		F	329	1	3	-	1	7	21	17	36	35	37	41	47	83
		M	558	5	3	2	3	31	43	74	69	66	69	64	67	62
Total Transport accidents	V01-V99, Y85	T	285	-	3	1	1	24	40	29	46	33	35	37	25	11
		F	77	-	1	-	-	4	12	4	18	9	5	11	8	5
		M	208	-	2	1	1	20	28	25	28	24	30	26	17	6
Total motor vehicle accidents	See footnote 1	T	248	-	2	-	1	23	38	26	41	29	30	28	21	9
		F	71	-	1	-	-	4	12	4	17	8	5	9	7	4
		M	177	-	1	-	1	19	26	22	24	21	25	19	14	5
Pedestrian involved in collision with motor vehicle	V02-V04	T	19	-	1	-	-	1	2	1	4	-	6	2	1	1
		F	9	-	1	-	-	-	-	1	3	-	2	1	1	-
		M	10	-	-	-	-	1	2	-	1	-	4	1	-	1
Pedal cyclist involved in collision with motor vehicle	V12-V14, V19.0-V19.2, V19.4-V19.6	T	2	-	-	-	-	-	1	-	-	-	-	1	-	-
		F	1	-	-	-	-	-	-	-	-	-	-	1	-	-
		M	1	-	-	-	-	-	1	-	-	-	-	-	-	-
Motorcyclist involved in any accident except collision with railway train	V20-V24, V26-V29	T	39	-	-	-	-	4	4	2	11	4	5	4	4	1
		F	6	-	-	-	-	-	1	-	4	-	-	-	-	1
		M	33	-	-	-	-	4	3	2	7	4	5	4	4	-
Motorcyclist involved in collision with railway train	V25	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Occupant of three-wheeled motor vehicle, except collision with railway train	V30-V34, V36-V39	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Occupant of three-wheeled motor vehicle involved in collision with railway train	V35	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Occupant of motor vehicle involved in collision with railway train	See footnote 2	T	1	-	-	-	-	-	-	1	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	1	-	-	-	-	-	-	1	-	-	-	-	-	-
Occupant of motor vehicle involved in collision with other object	See footnote 3	T	15	-	-	-	-	-	2	3	1	3	2	2	-	2
		F	6	-	-	-	-	-	1	-	1	1	1	1	-	1
		M	9	-	-	-	-	-	1	3	-	2	1	1	-	1
Occupant of motor vehicle involved in collision with other motor vehicle	V42-V44, V49, V52-V54, V59	T	70	-	-	-	-	10	13	5	9	10	7	8	6	2
		F	27	-	-	-	-	1	5	2	5	6	2	2	3	1
		M	43	-	-	-	-	9	8	3	4	4	5	6	3	1
Occupant of heavy transport vehicle or bus involved in collision with other motor vehicle	V62-V64, V69, V72-V74, V79	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Occupant of motor vehicle involved in noncollision accident	V48, V58, V68, V78	T	42	-	-	-	-	5	12	4	7	5	2	5	1	1
		F	14	-	-	-	-	3	5	-	2	1	-	2	-	1
		M	28	-	-	-	-	2	7	4	5	4	2	3	1	-

1. Motor vehicle accidents: V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2.

2. Motor vehicle accident involving collision with railway train: V45, V55, V65, V75, V81.0-V81.1, V87.6, V88.6.

3. Occupant of motor vehicle involved in collision with other object (non-motorized road vehicle, streetcar, animal, pedestrian, fixed object, or other object): V40-V41, V46-V47, V50-V51, V56-V57, V60-V61, V66-V67, V70-V71, V76-V77. Sex: T=total, F=female, and M=male.



**IDAHO RESIDENT MORTALITY**  
**Accidental (Unintentional Injury) Mortality by Cause of Accident, Age Group, and Sex (continued)**  
**2018**

CAUSE OF DEATH	ICD-10 CODE	SEX	TOTAL	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85 +
Occupant of special vehicle mainly used on industrial premises	V83	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Occupant of special vehicle mainly used in agriculture	V84	T	1	-	-	-	-	-	-	-	-	-	-	-	1	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	1	-	-	-	-	-	-	-	-	-	-	-	1	-
Occupant of special construction vehicle	V85	T	1	-	-	-	-	-	-	-	-	-	-	1	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	1	-	-	-	-	-	-	-	-	-	-	1	-	-
Occupant or rider of special all-terrain or motor vehicle designed for off-road use <sup>1</sup>	V86	T	21	-	-	-	1	-	2	2	4	3	2	2	3	2
		F	1	-	-	-	-	-	-	-	-	-	-	1	-	-
		M	20	-	-	-	1	-	2	2	4	3	2	1	3	2
ATV or 4-wheeled vehicle	V86 (Subset)	T	21	-	-	-	1	-	2	1	3	2	2	2	3	2
		F	1	-	-	-	-	-	-	-	-	-	-	1	-	-
		M	20	-	-	-	1	-	2	1	3	2	2	1	3	2
Snowmobile or snow machine (not including accident that began with an avalanche)	V86 (Subset)	T	-	-	-	-	-	-	-	-	1	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Other or unspecified all-terrain vehicle	V86 (Subset)	T	-	-	-	-	-	-	-	1	-	1	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	1	-	1	-	-	-	-
Other and unspecified motor vehicle accident	See footnote 2	T	37	-	1	-	-	3	2	8	5	4	6	3	5	-
		F	7	-	-	-	-	-	-	1	2	-	-	1	3	-
		M	30	-	1	-	-	3	2	7	3	4	6	2	2	-
Pedestrian injury with other or unspecified motor vehicle accident	V09.0, V09.2	T	4	-	-	-	-	-	-	-	-	1	1	2	-	-
		F	1	-	-	-	-	-	-	-	-	-	-	1	-	-
		M	3	-	-	-	-	-	-	-	-	1	1	1	-	-
Animal rider or occupant of animal-drawn vehicle in collision with motor vehicle or other or unspecified motor vehicle	V80.3-V80.5	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All other and unspecified motor vehicle accident	Residual See footnote 2	T	33	-	1	-	-	3	2	8	5	3	5	1	5	-
		F	6	-	-	-	-	-	-	1	2	-	-	-	3	-
		M	27	-	1	-	-	3	2	7	3	3	5	1	2	-
Total Other land transport accidents	See footnote 3	T	9	-	-	-	-	-	1	1	1	2	1	2	-	1
		F	1	-	-	-	-	-	-	-	-	1	-	-	-	-
		M	8	-	-	-	-	-	1	1	1	1	1	2	-	1
Railway accidents (not with motor vehicle)	V05, V15, V80.6, V81.2- V81.9	T	2	-	-	-	-	-	1	1	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	2	-	-	-	-	-	1	1	-	-	-	-	-	-
Pedestrian with train	V05	T	2	-	-	-	-	-	1	1	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	2	-	-	-	-	-	1	1	-	-	-	-	-	-

1. Death records with ICD-10 code V86 are reviewed for literal cause of injury and death and are sub-categorized as ATV or 4-wheeled vehicle, snowmobile or snow machine, or unspecified.

2. Other and unspecified motor vehicle accidents: V09.0, V09.2, V80.3-V80.5, V82.0-V82.1, V87.0-V87.5, V87.7-V87.8, V88.0-V88.5, V88.7-V88.8, V89.0, V89.2.

3. Other and unspecified land transport accidents: V01, V05, V06, V09.1, V09.3, V09.9, V10-V11, V15, V16-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.6, V80.7-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.1, V89.3, V89.9. Sex: T=total, F=female, and M=male.

**IDAHO RESIDENT MORTALITY**  
**Accidental (Unintentional Injury) Mortality by Cause of Accident, Age Group, and Sex (continued)**  
**2018**

CAUSE OF DEATH	ICD-10 CODE	SEX	TOTAL	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85 +
Pedal cyclist with train	V15	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other railway accident (not with motor vehicle, pedestrian, or pedal cyclist)	V80.6, V81.2-V81.9	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Streetcar accident (not with motor vehicle)	V82.2-V82.9	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pedestrian (not with motor vehicle or train)	V01, V06, V09.1, V09.3, V09.9	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pedal cyclist (not with motor vehicle or train)	V10-V11, V16-V18, V19.3, V19.8-V19.9	T	6	-	-	-	-	-	-	-	1	2	-	2	-	1
		F	1	-	-	-	-	-	-	-	-	1	-	-	-	-
		M	5	-	-	-	-	-	-	-	1	1	-	2	-	1
Rider of animal or occupant of animal-drawn vehicle (not with motor vehicle or train)	V80-V80.2, V80.7-V80.9	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Person injured in other specified transport accidents	V87.9, V88.3	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Person injured in unspecified nonmotor-vehicle accident	V89.1, V89.3	T	1	-	-	-	-	-	-	-	-	-	1	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	1	-	-	-	-	-	-	-	-	-	1	-	-	-
Person injured in unspecified vehicle accident	V89.9	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total water, air and space, and other and unspecified transport accidents and their sequelae	V90-V99, Y85	T	28	-	1	1	-	1	1	2	4	2	4	7	4	1
		F	5	-	-	-	-	-	-	-	1	-	-	2	1	1
		M	23	-	1	1	-	1	1	2	3	2	4	5	3	-
Water transport accidents	V90-V94	T	11	-	1	1	-	1	1	1	2	-	-	2	2	-
		F	1	-	-	-	-	-	-	-	-	-	-	-	1	-
		M	10	-	1	1	-	1	1	1	2	-	-	2	1	-
Air and space transport accidents	V95-V97	T	11	-	-	-	-	-	-	1	1	2	1	4	2	-
		F	2	-	-	-	-	-	-	-	-	-	-	2	-	-
		M	9	-	-	-	-	-	-	1	1	2	1	2	2	-
Other and unspecified transport accidents and their sequelae	V98-V99, Y85	T	6	-	-	-	-	-	-	-	1	-	3	1	-	1
		F	2	-	-	-	-	-	-	-	1	-	-	-	-	1
		M	4	-	-	-	-	-	-	-	-	-	3	1	-	-
Total Non-Transport accidents	W00-X59, Y86	T	602	6	3	1	3	14	24	62	59	68	71	68	89	134
		F	252	1	2	-	1	3	9	13	18	26	32	30	39	78
		M	350	5	1	1	2	11	15	49	41	42	39	38	50	56
Accidental falls	W00-W19	T	235	-	-	-	1	1	1	4	3	12	10	28	60	115
		F	121	-	-	-	-	-	1	-	1	4	2	13	28	72
		M	114	-	-	-	1	1	-	4	2	8	8	15	32	43

Sex: T=total, F=female, and M=male.

**IDAHO RESIDENT MORTALITY**  
**Accidental (Unintentional Injury) Mortality by Cause of Accident, Age Group, and Sex (continued)**  
**2018**

CAUSE OF DEATH	ICD-10 CODE	SEX	TOTAL	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85 +
Accidental discharge of firearms	W32-W34	T	5	-	-	-	-	1	2	1	-	1	-	-	-	-
		F	1	-	-	-	-	-	1	-	-	-	-	-	-	-
		M	4	-	-	-	-	1	1	1	-	1	-	-	-	-
Accidental explosion	W39-W40	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accidental drowning and submersion	W65-W74	T	25	-	1	-	-	6	3	2	4	2	3	1	3	-
		F	8	-	1	-	-	-	2	-	2	1	1	-	1	-
		M	17	-	-	-	-	6	1	2	2	1	2	1	2	-
Accidental inhalation and ingestion of food or other object	W78-W80	T	35	-	-	-	-	-	-	1	-	2	5	7	11	9
		F	16	-	-	-	-	-	-	-	-	-	4	3	5	4
		M	19	-	-	-	-	-	-	1	-	2	1	4	6	5
Other accidental and unspecified threats to breathing	W75-W77, W81-W84	T	18	5	-	-	1	-	-	2	1	1	5	3	-	-
		F	6	1	-	-	-	-	-	-	-	-	3	2	-	-
		M	12	4	-	-	1	-	-	2	1	1	2	1	-	-
Accidental exposure to electric current	W85-W87	T	3	-	-	-	-	-	-	-	2	-	-	1	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	3	-	-	-	-	-	-	-	2	-	-	1	-	-
Accidental exposure to radiation	W88-W91	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accidental exposure to smoke, fire, flames	X00-X09	T	16	-	1	-	-	-	1	-	-	3	3	2	5	1
		F	4	-	1	-	-	-	-	-	-	1	1	-	1	-
		M	12	-	-	-	-	-	1	-	-	2	2	2	4	1
Accidental contact with heat and hot substances	X10-X19	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lightning	X33	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Earthquake	X34	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volcanic eruption	X35	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Avalanche, landslide, other earth movements	X36	T	2	-	-	-	-	-	-	-	1	1	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	2	-	-	-	-	-	-	-	1	1	-	-	-	-
Cataclysmic storm and flood	X37-X38	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accidental poisoning and exposure to noxious substances	X40-X49	T	212	-	-	-	-	6	16	51	44	40	35	15	3	2
		F	84	-	-	-	-	3	5	12	15	20	17	9	2	1
		M	128	-	-	-	-	3	11	39	29	20	18	6	1	1

Sex: T=total, F=female, and M=male.

**IDAHO RESIDENT MORTALITY**  
**Accidental (Unintentional Injury) Mortality by Cause of Accident, Age Group, and Sex (continued)**  
**2018**

CAUSE OF DEATH	ICD-10 CODE	SEX	TOTAL	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85 +
Accidental poisoning by drugs and other biological substances	X40-X44	T	199	-	-	-	-	5	15	50	42	37	32	13	3	2
		F	78	-	-	-	-	2	5	12	14	18	16	8	2	1
		M	121	-	-	-	-	3	10	38	28	19	16	5	1	1
Accidental poisoning by other and unspecified solid or liquid substances	X45-X46, X48-X49	T	9	-	-	-	-	1	1	1	1	3	2	-	-	-
		F	4	-	-	-	-	1	-	-	1	2	-	-	-	-
		M	5	-	-	-	-	-	1	1	-	1	2	-	-	-
Accidental poisoning by and exposure to other gases and vapors	X47	T	4	-	-	-	-	-	-	-	1	-	1	2	-	-
		F	2	-	-	-	-	-	-	-	-	-	1	1	-	-
		M	2	-	-	-	-	-	-	-	1	-	-	1	-	-
All other and unspecified accidents and their sequelae <sup>1</sup>	See footnote 1	T	51	1	1	1	1	-	1	1	4	6	10	11	7	7
		F	12	-	-	-	1	-	-	1	-	-	4	3	2	1
		M	39	1	1	1	-	-	1	-	4	6	6	8	5	6
Struck by thrown, projected, or falling object	W20	T	7	1	-	-	-	-	-	-	1	1	2	2	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	7	1	-	-	-	-	-	-	1	1	2	2	-	-
Striking against or struck by other objects	W22	T	1	-	-	-	-	-	-	-	-	-	-	-	1	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	1	-	-	-	-	-	-	-	-	-	-	-	1	-
Caught, crushed, jammed, or pinched in or between objects	W23	T	2	-	-	-	-	-	-	-	-	-	1	-	1	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	2	-	-	-	-	-	-	-	-	-	1	-	1	-
Contact with agricultural machinery	W30	T	2	-	1	1	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	2	-	1	1	-	-	-	-	-	-	-	-	-	-
Contact with other and unspecified machinery	W31	T	4	-	-	-	-	-	-	-	1	2	-	1	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	4	-	-	-	-	-	-	-	1	2	-	1	-	-
Exposure to other and unspecified inanimate mechanical forces	W49	T	1	-	-	-	-	-	-	-	-	-	1	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	1	-	-	-	-	-	-	-	-	-	1	-	-	-
Contact with hornets, wasps, and bees	X23	T	2	-	-	-	-	-	-	-	1	1	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	2	-	-	-	-	-	-	-	1	1	-	-	-	-
Exposure to excessive natural heat	X30	T	1	-	-	-	-	-	-	-	-	1	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	1	-	-	-	-	-	-	-	-	1	-	-	-	-
Exposure to excessive natural cold	X31	T	6	-	-	-	-	-	1	-	-	-	2	2	-	1
		F	1	-	-	-	-	-	-	-	-	-	1	-	-	-
		M	5	-	-	-	-	-	1	-	-	-	1	2	-	1
Exposure to unspecified factor	X59	T	20	-	-	-	-	-	-	1	1	1	3	5	3	6
		F	8	-	-	-	-	-	-	1	-	-	2	3	1	1
		M	12	-	-	-	-	-	-	-	1	1	1	2	2	5

1. All other and unspecified accidents and their sequelae: W20-W31, W35-W38, W41-W64, W92-W99, X20-X32, X39, X50-X59, Y86. Other accidents and their sequelae with at least one death are shown by cause of death. Causes with no deaths during the year are not shown; therefore, causes of death reported in this table will vary each year. Sex: T=total, F=female, and M=male.

**IDAHO RESIDENT MORTALITY**  
**Accidental (Unintentional Injury) Mortality by Cause of Accident, Age Group, and Sex (continued)**  
**2018**

CAUSE OF DEATH	ICD-10 CODE	SEX	TOTAL	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85 +
Sequelae of other accidents	Y86	T	5	-	-	-	1	-	-	-	-	-	1	1	2	-
		F	3	-	-	-	1	-	-	-	-	-	1	-	1	-
		M	2	-	-	-	-	-	-	-	-	-	-	1	1	-

Sex: T=total, F=female, and M=male.

# IDAHO RESIDENT MORTALITY

## Ten Leading Causes of Injury Mortality<sup>1</sup> by Age Group and Number of Deaths

### Five-Year Aggregate, 2014-2018

RANK	AGE GROUP											ALL AGES
	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	
1	Accident Suffocation 20	Accident Motor Vehicle 22	Accident Motor Vehicle 46	Accident Motor Vehicle 236	Accident Poisoning 210	Accident Poisoning 209	Accident Poisoning 216	Suicide Firearm 176	Accident Fall 134	Accident Fall 276	Accident Fall 575	Accident Motor Vehicle 1,238
2	Assault Non-firearm 6	Accident Drowning 13	Suicide Firearm 17	Suicide Firearm 164	Accident Motor Vehicle 170	Accident Motor Vehicle 174	Suicide Firearm 179	Accident Motor Vehicle 167	(Tie) Accident Motor Vehicle; Suicide Firearm 94	Accident Motor Vehicle 94	Accident Suffocation 60	Accident Fall 1,128
3		Assault Non-firearm 6	Suicide Suffocation 14	Suicide Suffocation 90	Suicide Firearm 158	Suicide Firearm 155	Accident Motor Vehicle 155	Accident Poisoning 143		Suicide Firearm 132	Suicide Firearm 79	Suicide Firearm 1,106
4		Accident Fire 5	Accident Drowning 9	Accident Poisoning 84	Suicide Suffocation 71	Suicide Poisoning 73	Suicide Suffocation 90	Accident Fall 75	Accident Poisoning 46	Accident Suffocation 38	Accident Motor Vehicle 40	Accident Poisoning 929
5		Accident Suffocation 4	Assault Firearm 5	Accident Drowning 26	Suicide Poisoning 38	Suicide Suffocation 72	Suicide Poisoning 54	Suicide Poisoning 59	Accident Suffocation 30	Surgical Complications 30	Surgical Complications 14	Suicide Suffocation 385
6			(Tie) Accident Poisoning; Accident Suffocation; Assault Non-firearm; Late Effects 4	Assault Firearm 21	Assault Firearm 29	Undetermined Intent Poisoning 27	Accident Fall 35	Accident Suffocation 35	Suicide Poisoning 26	Accident Fire 14	Accident unspecified injury 12	Suicide Poisoning 270
7	Accident Assault/Legal Intervention Suicide		(Tie) Accident Poisoning; Accident Suffocation; Assault Non-firearm; Late Effects 4	(Tie) Assault Non-firearm; Suicide Poisoning 14	Undetermined Intent Poisoning 16	Assault Firearm 25	Undetermined Intent Poisoning 27	Suicide Suffocation 30	Surgical Complications 23	(Tie) Accident Drowning; Accident Environmental Exposure 12	Accident Environmental Exposure 9	Accident Suffocation 234
8			Assault Non-firearm; Late Effects 4	Suicide Poisoning 14	Accident Drowning 15	Accident Fall 16	Accident Suffocation 18	Accident Environmental Exposure 20	(Tie) Accident Environmental Exposure; Accident Fire 13	Accident Environmental Exposure 12	Accident Poisoning 7	Accident Drowning 122
9			Accident Water Transport 9	Legal Intervention Firearm 11	(Tie) Accident Drowning; Accident Suffocation 12	Assault Firearm 14	(Tie) Accident Drowning; Late Effects 12	(Tie) Accident Drowning; Late Effects 18	Accident Struck by object 12	Accident Poisoning 9	Late Effects 6	Assault Firearm 114
10			Accident Firearm 3	(Tie) Accident Fall; Accident Firearm 7	Assault Non-firearm 10		Late Effects 12	Late Effects 18	Accident Struck by object 12	(Tie) Suicide Suffocation; Late Effects 7	Accident Fire 3	Undetermined Intent Poisoning 102
Residual <sup>2</sup>	8	10	11	42	75	103	114	116	80	44	9	797
Total	34	60	121	714	803	878	914	857	641	622	781	6,425

Causes of death are not rankable causes of death, but are subsets of rankable causes (Accident, Suicide, Assault, Legal Intervention, and Complications of surgical care) and non-rankable causes (Undetermined intent and Late Effects). Suffocation includes hanging. Poisoning includes exposure to drugs, alcohol, vapors, noxious substances, or unspecified chemicals. Late Effects refers to deaths one year or more after the originating injury. Accident Environmental Exposure includes exposure to cold, heat, or natural disasters.

<sup>1</sup>Data are shown for causes with 3 or more deaths for given age group. <sup>2</sup>Residual: number of all other injury deaths in the age group.

**IDAHO RESIDENT MORTALITY**  
**Accidental (Unintentional Injury) Mortality by Type of Accident**  
**2018**

RESIDENCE	TOTAL	Discharge of firearms	Drowning and submersion	Falls	Motor vehicle	Poisoning and exposure to noxious substances <sup>1</sup>		Suffocation <sup>3</sup>	All other accidents
						Total	Drugs <sup>2</sup>		
IDAHO	887	5	25	235	248	212	199	53	109
District 1	105	-	5	18	36	25	22	1	20
District 2	67	3	1	14	21	18	16	2	8
District 3	151	1	5	30	50	35	31	9	21
District 4	231	1	6	70	52	61	60	18	23
District 5	144	-	3	57	30	31	30	8	15
District 6	81	-	1	23	25	17	17	6	9
District 7	108	-	4	23	34	25	23	9	13
Ada	207	1	5	66	42	58	57	17	18
Adams	8	-	-	3	5	-	-	-	-
Bannock	37	-	1	10	8	12	12	2	4
Bear Lake	5	-	-	2	1	1	1	-	1
Benewah	4	-	-	-	2	1	1	-	1
Bingham	18	-	-	4	9	3	3	2	-
Blaine	7	-	-	2	2	2	1	-	1
Boise	2	-	-	-	-	-	-	-	2
Bonner	21	-	-	2	8	4	3	-	7
Bonneville	64	-	3	10	19	19	18	6	7
Boundary	4	-	1	1	1	1	1	-	-
Butte	2	-	-	1	-	-	-	-	1
Camas	-	-	-	-	-	-	-	-	-
Canyon	97	1	5	15	32	26	23	6	12
Caribou	3	-	-	2	1	-	-	-	-
Cassia	19	-	-	8	3	4	4	2	2
Clark	-	-	-	-	-	-	-	-	-
Clearwater	2	-	-	1	-	-	-	-	1
Custer	3	-	-	-	2	1	1	-	-
Elmore	14	-	1	1	8	1	1	1	2
Franklin	7	-	-	1	3	-	-	2	1
Fremont	7	-	-	2	4	-	-	1	-
Gem	20	-	-	4	6	5	5	3	2
Gooding	8	-	2	2	2	1	1	1	-
Idaho	21	1	1	4	8	4	2	-	3
Jefferson	13	-	-	3	5	2	2	1	2
Jerome	13	-	-	4	5	1	1	-	3
Kootenai	67	-	4	13	22	18	16	1	9
Latah	15	-	-	3	3	7	7	-	2
Lemhi	9	-	1	3	1	1	1	1	2
Lewis	1	-	-	-	1	-	-	-	-
Lincoln	3	-	-	1	-	2	2	-	-
Madison	6	-	-	4	1	1	-	-	-
Minidoka	20	-	-	10	4	5	5	-	1
Nez Perce	28	2	-	6	9	7	7	2	2
Oneida	5	-	-	1	2	1	1	-	1
Owyhee	7	-	-	1	3	1	1	-	2
Payette	16	-	-	6	3	2	2	-	5
Power	4	-	-	2	1	-	-	-	1
Shoshone	9	-	-	2	3	1	1	-	3
Teton	6	-	-	1	2	1	1	-	2
Twin Falls	74	-	1	30	14	16	16	5	8
Valley	8	-	-	3	2	2	2	-	1
Washington	3	-	-	1	1	1	-	-	-

<sup>1</sup>Poisoning and exposure to noxious substances includes exposure to drugs, alcohol, vapors, noxious substances, or unspecified chemicals. <sup>2</sup>Poisoning from drugs only.

<sup>3</sup>Suffocation includes mechanical suffocation and suffocation due to choking on food or object.

**IDAHO RESIDENT MORTALITY**  
**Accidental (Unintentional Injury) Mortality by Place of Injury**  
**2018**

TYPE OF ACCIDENTAL (UNINTENTIONAL INJURY) DEATH	TOTAL	PLACE OF INJURY <sup>1</sup>				
		Home	Street or highway	Other public place	Residential or public institution	Not stated
<b>TOTAL</b>	<b>887</b>	<b>348</b>	<b>203</b>	<b>129</b>	<b>89</b>	<b>118</b>
Motor Vehicle Total	248	4	187	18	-	39
Motor vehicle with collision with another vehicle, heavy transport, or bus	70	1	66	1	-	2
Motor vehicle, noncollision	42	-	31	7	-	4
Injury to motorcyclist, except with railway train	39	-	28	2	-	9
Other and unspecified motor vehicle accident	33	-	13	4	-	16
Injury to occupant of special-use motor vehicle*	23	1	16	4	-	2
Injury to pedestrian with motor vehicle	19	2	14	-	-	3
Motor vehicle with collision with fixed object	15	-	15	-	-	-
Injury to pedestrian with unspecified motor vehicle	4	-	1	-	-	3
Injury to pedal cyclist with motor vehicle	2	-	2	-	-	-
Motor vehicle with collision with train	1	-	1	-	-	-
Injury to motorcyclist with collision with train	-	-	-	-	-	-
Injury to occupant of three-wheeled motor vehicle	-	-	-	-	-	-
Injury to rider or occupant of animal-drawn vehicle with motor vehicle	-	-	-	-	-	-
Non-Motor Vehicle Total	639	344	16	111	89	79
Falls	235	110	3	30	82	10
Poisoning and exposure to noxious substances	212	176	4	20	1	11
Other and unspecified external causes of accidental injury	44	11	3	11	3	16
Suffocation, food or object	35	7	-	1	2	25
Drowning and submersion	25	7	-	16	-	2
Suffocation, mechanical	18	13	-	3	-	2
Fire	16	14	-	1	-	1
Water transportation accident	11	-	-	10	-	1
Air and space transportation accident	11	-	-	7	-	4
Pedal cyclist not with motor vehicle or train	6	-	1	2	-	3
Other and unspecified land transport accident	6	-	5	1	-	-
Exposure to excessive natural cold	6	2	-	3	1	-
Firearm	5	2	-	2	-	1
Exposure to electric current	3	2	-	1	-	-
Railroad not with motor vehicle	2	-	-	1	-	1
Lightning, avalanche, earthquake, volcano, storm, or flood	2	-	-	2	-	-
Person injured in other and unspecified land transport accident (includes streetcar)	1	-	-	-	-	1
Exposure to excessive natural heat	1	-	-	-	-	1
Pedestrian not with motor vehicle or train	-	-	-	-	-	-
Rider of animal or occupant of animal-drawn vehicle not with motor vehicle or train	-	-	-	-	-	-

<sup>1</sup>Place of injury for residential or public institution includes hospitals, schools, and nursing homes. Place of injury for other public place includes sport and athletics areas, trade and service areas, industrial, construction, farm, ranch and other public areas.

\*Special-use motor vehicle includes all-terrain, snowmobiles, and motor vehicles for industrial, construction, and agriculture use.



**WORK INJURY DEATHS OCCURRING IN IDAHO<sup>1</sup>**  
**Manner of Death by Sex and Age**  
**2018**

MANNER OF DEATH	TOTAL	SEX		AGE GROUP					
		Male	Female	<15	15-24	25-44	45-64	65-74	75+
TOTAL	47	43	4	-	5	11	18	10	3
Accidental (unintentional injury)	44	40	4	-	5	10	16	10	3
Intentional self-harm (suicide)	2	2	-	-	-	1	1	-	-
Assault (homicide)	-	-	-	-	-	-	-	-	-
Undetermined intent	1	1	-	-	-	-	1	-	-
Operations of war and their sequelae <sup>2</sup>	-	-	-	-	-	-	-	-	-

<sup>1</sup>Though the death occurred in Idaho, the injury may have occurred in Idaho or out-of-state.

<sup>2</sup>Operations of war and their sequelae includes deaths due to late effects of injuries from war.

**ACCIDENTAL WORK INJURY DEATHS OCCURRING IN IDAHO**  
**Sex and Age by Place of Injury**  
**2018**

PLACE OF INJURY	TOTAL	SEX		AGE GROUP					
		Male	Female	<15	15-24	25-44	45-64	65-74	75+
TOTAL	44	40	4	-	5	10	16	10	3
Farm/Ranch	5	5	-	-	-	4	1	-	-
Home/Residential/Nursing	-	-	-	-	-	-	-	-	-
Industrial/Construction	11	11	-	-	-	1	5	5	-
School/Hospital/Public Institution	1	-	1	-	-	-	1	-	-
Sports/Athletics	-	-	-	-	-	-	-	-	-
Street/Highway	20	19	1	-	3	5	5	4	3
Trade/Service	2	2	-	-	-	-	1	1	-
Unspecified/Other	5	3	2	-	2	-	3	-	-

Note: Information regarding injuries at work are not available for all Idaho resident deaths occurring in other states. Therefore, data on these tables are for deaths occurring in Idaho, regardless of decedent's state of residence. Other unintentional and intentional injury data in this publication are for Idaho residents, regardless of where the death occurred. Therefore, these totals will differ from totals found in other tables.

# IDAHO RESIDENT DRUG MORTALITY

## Drug-Induced, Drug Overdose, and Accidental Drug Overdose

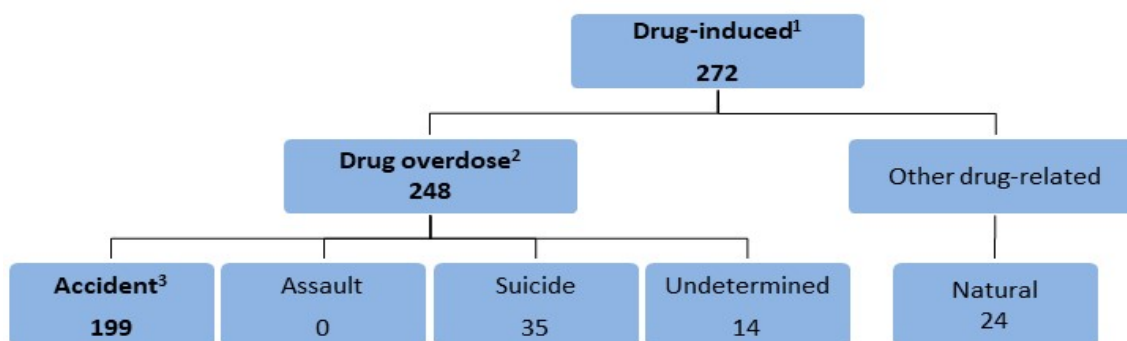
### By Classification, Health District, Age, and Sex

#### 2018 Idaho and U.S.

Drug-related deaths are typically reported using the following classifications-

1. Drug-induced deaths: the underlying cause of death was illicit, prescription, and/or over-the-counter drug use, including deaths from acute poisoning by drugs and deaths from illnesses, disorders, or diseases resulting from long-term or chronic drug use. Deaths from falls, motor vehicle crashes, and other causes indirectly related to drug use are excluded. This is the broadest classification.
2. Drug overdose: the underlying cause of death was acute poisoning by drugs. These are a subset of drug-induced deaths and exclude illness, disorders, and diseases resulting from long-term or chronic drug use. This classification is sometimes called drug poisoning.
3. Accidental drug poisoning deaths: the underlying cause of death was accidental acute poisoning by drugs. These are a subset of drug poisoning deaths and include only deaths where the manner was accidental.

NUMBER OF IDAHO RESIDENT DRUG DEATHS BY CLASSIFICATION



DEMOGRAPHICS	Drug-Induced¹		Drug Overdose²		Accidental Drug Overdose³	
	Number	Rate	Number	Rate	Number	Rate
IDAHO TOTAL	272	15.5	248	14.1	199	11.3
U.S. TOTAL	71,147	21.7	67,367	20.6	58,908	18.0
HEALTH DISTRICT						
District 1	37	15.4	35	14.6	22	9.2
District 2	24	21.9	18	16.4	16	14.6
District 3	43	14.8	38	13.1	31	10.7
District 4	76	14.7	74	14.3	60	11.6
District 5	36	18.1	34	17.1	30	15.1
District 6	27	15.4	23	13.1	17	9.7
District 7	29	13.0	26	11.6	23	10.3
AGE GROUP						
< 15	0	0.0	0	0.0	0	0.0
15-19	5	4.0	5	4.0	5	4.0
20-24	20	17.4	19	16.5	15	13.1
25-34	58	25.1	57	24.6	50	21.6
35-44	51	23.2	50	22.7	42	19.1
45-54	52	26.0	48	24.0	37	18.5
55-64	51	23.7	42	19.5	32	14.9
65-74	22	13.1	20	11.9	13	7.7
75-84	7	8.7	4	5.0	3	3.7
85 +	6	20.4	3	10.2	2	6.8
SEX						
Female	110	12.6	101	11.5	78	8.9
Male	162	18.4	147	16.7	121	13.8

Rates are deaths per 100,000 population for U.S., Idaho, and for each Health District, age group, and sex. Drug-induced, drug overdose, and accidental drug overdose are subsets of rankable causes of mortality, and are not ranked for leading causes of mortality. See Technical notes for more information.

# IDAHO RESIDENT DRUG MORTALITY

## Drug-Induced, Drug Overdose, and Accidental Drug Overdose

### Trends, 2008-2018

YEAR	CAUSE OF DEATH					
	Drug-Induced <sup>1</sup>		Drug Overdose <sup>2</sup>		Accidental Drug Overdose <sup>3</sup>	
	Number	Rate	Number	Rate	Number	Rate
2008	154	10.1	148	9.7	93	6.1
2009	184	11.9	174	11.3	101	6.5
2010	196	12.5	180	11.5	116	7.4
2011	200	12.6	192	12.1	110	6.9
2012	191	12.0	183	11.5	114	7.1
2013	227	14.1	209	13.0	142	8.8
2014	228	13.9	211	12.9	145	8.9
2015	234	14.1	223	13.5	150	9.1
2016	261	15.5	244	14.5	181	10.8
2017	266	15.5	241	14.0	184	10.7
2018	272	15.5	248	14.1	199	11.3

Rates are deaths per 100,000 population.

# IDAHO RESIDENT DRUG MORTALITY

## Years Of Potential Life Lost Before Age 75

### Drug-Induced, Drug Overdose, and Accidental Drug Overdose

### 2018

CAUSE OF DEATH	Persons Aged Less Than 75 Years		Years of Potential Life Lost (YPLL) Before Age 75		
	Number of Deaths	Percentage of Deaths	Total Number of YPLL	YPLL Rate <sup>1</sup>	Average Number of YPLL per Death
Drug-Induced <sup>1</sup>	259	4.2%	7,994	486	30.9
Drug Overdose <sup>2</sup>	241	3.9%	7,627	464	31.6
Accidental Drug Overdose <sup>3</sup>	194	3.1%	6,355	387	32.8

<sup>1</sup>YPLL rate is the total number of years of potential life lost per 100,000 population aged less than 75 years. See Technical Notes for methodology.

1. Drug-induced deaths: the underlying cause of death was illicit, prescription, and/or over-the-counter drug use, including deaths from acute poisoning by drugs and deaths from illnesses, disorders, or diseases resulting from long-term or chronic drug use. Deaths from falls, motor vehicle crashes, and other causes indirectly related to drug use are excluded. This is the broadest classification.

2. Drug overdose: the underlying cause of death was acute poisoning by drugs. These are a subset of drug-induced deaths and exclude illness, disorders, and diseases resulting from long-term or chronic drug use. This classification is also referred to as drug poisoning.

3. Accidental drug poisoning deaths: the underlying cause of death was accidental acute poisoning by drugs. These are a subset of drug poisoning deaths and include only deaths where the manner was accidental.

Drug-induced, drug overdose, and accidental drug overdose are subsets of rankable causes of mortality, and are not ranked for leading causes of mortality. See Technical notes for more information.

**IDAHO RESIDENT DRUG MORTALITY**  
**Drug-Induced, Drug Overdose, and Accidental Drug Overdose**  
**By Classification and Type of Drug Reported, 2018**

DRUGS REPORTED AND ICD-10 CODES	CAUSE OF DEATH					
	Drug-Induced <sup>1</sup>		Drug Overdose <sup>2</sup>		Accidental Drug Overdose <sup>3</sup>	
	Number	Percent	Number	Percent	Number	Percent
<b>TOTAL DRUG DEATHS</b>	<b>272</b>	<b>100%</b>	<b>248</b>	<b>100%</b>	<b>199</b>	<b>100%</b>
<b>Drug Deaths, Drug(s) reported</b>						
No drug reported	47	17%	31	13%	28	14%
One or more drug(s) reported	225	83%	217	88%	171	86%
<b>Drug Deaths Reporting Opioids</b>						
Total Drug Deaths Reporting Opioids <sup>4</sup>	125	46%	125	50%	103	52%
Opium (T40.0)	-	0%	-	0%	-	0%
Heroin (T40.1)	33	12%	33	13%	31	16%
Natural and semisynthetic opioid (such as oxycodone, morphine, and codeine, T40.2)	69	25%	69	28%	51	26%
Methadone (T40.3)	10	4%	10	4%	9	5%
Synthetic opioid other than methadone (such as fentanyl and tramadol, T40.4)	30	11%	30	12%	25	13%
Other/unspecified narcotic (T40.6)	5	2%	5	2%	5	3%
<b>Drug Deaths Reporting Non-Opioids</b>						
Cocaine (T40.5)	8	3%	8	3%	8	4%
Cannabis (T40.7)	4	1%	4	2%	4	2%
LSD (Lysergic acid diethylamide, T40.8)	-	0%	-	0%	-	0%
Benzodiazepines (T42.4)	29	11%	29	12%	19	10%
Antibiotics, Antiparasitics, antagonist, non-opioid analgesics (T36.0-T39.9)	14	5%	13	5%	5	3%
Anesthetics, Antiepileptic, and Sedative-Hypnotic <sup>5</sup>	12	4%	12	5%	6	3%
Antidepressants (T43.0-T43.2)	24	9%	24	10%	14	7%
Psychostimulants with abuse potential (such as methamphetamine and ecstasy, T43.6)	79	29%	72	29%	70	35%
Psychotropic NEC (T43.3-T43.5, T43.8-T43.9)	8	3%	8	3%	3	2%
Other non-opioids (T44.0-T50.8)	34	13%	34	14%	26	13%

Each drug death may involve one or more than one drug. Therefore, the sum of the number of deaths by type of drug may not sum to the total number of drug deaths in that category. If a death certificate reports heroin and oxycodone, for example, the death will be counted once for the category of Total drug deaths reporting opioids.

1. Drug-induced deaths: the underlying cause of death was illicit, prescription, and/or over-the-counter drug use, including deaths from acute poisoning by drugs and deaths from illnesses, disorders, or diseases resulting from long-term or chronic drug use. Deaths from falls, motor vehicle crashes, and other causes indirectly related to drug use are excluded. This is the broadest classification.

2. Drug overdose: the underlying cause of death was acute poisoning by drugs. These are a subset of drug-induced deaths and exclude illness, disorders, and diseases resulting from long-term or chronic drug use. This classification is also referred to as drug poisoning.

3. Accidental drug poisoning deaths: the underlying cause of death was accidental acute poisoning by drugs. These are a subset of drug poisoning deaths and include only deaths where the manner was accidental.

4. Any opioid (T40.0, T40.1, T40.2, T40.3, T40.4, T40.6)

5. Anesthetics, antiepileptic, and sedative-hypnotic (T41.0-T42.3, T42.5-T42.9)

Drug-induced, drug overdose, and accidental drug overdose are subsets of rankable causes of mortality, and are not ranked for leading causes of mortality. See Technical notes for more information.

**IDAHO RESIDENT MORTALITY**  
**Alcohol-Induced and Firearm-Injury Mortality**  
**By Health District of Residence, Age Group, Sex, and Manner**  
**2018 Idaho and U.S.**

	CAUSE OF DEATH			
	Alcohol-Induced		Firearm-Injury	
	Number	Rate	Number	Rate
U.S. <sup>1</sup>	37,329	11.4	39,740	12.1
IDAHO	271	15.4	294	16.8
HEALTH DISTRICT				
District 1	74	30.8	50	20.8
District 2	20	18.2	22	20.1
District 3	39	13.4	47	16.2
District 4	63	12.2	80	15.5
District 5	21	10.5	26	13.1
District 6	29	16.6	38	21.7
District 7	25	11.2	31	13.9
AGE GROUP				
< 15	-	-	2	0.5
15-19	1	0.8	17	13.7
20-24	2	1.7	40	34.8
25-34	9	3.9	49	21.2
35-44	25	11.4	36	16.4
45-54	62	31.0	44	22.0
55-64	100	46.5	36	16.8
65-74	56	33.3	37	22.0
75-84	14	17.4	21	26.0
85 +	2	6.8	12	40.8
SEX				
Female	92	10.5	51	5.8
Male	179	20.4	243	27.6
MANNER <sup>2</sup> (percentage)				
Accident (unintentional injury)	7	2.6%	5	1.7%
Assault (homicide)	-	-	31	10.5%
Intentional self-harm (suicide)	-	-	250	85.0%
Legal intervention	-	-	7	2.4%
Natural	264	97.4%	-	-
Undetermined intent	-	-	1	0.3%

Rates are deaths per 100,000 population for Idaho and for each Health District, age group, and sex. Rates are unreliable when the rate was calculated with a numerator (number of deaths) <20.

<sup>1</sup>Centers for Disease Control and Prevention, National Center for Health Statistics. Underlying Cause of Death 1999-2018 on CDC WONDER Online Database, released February 2020.

<sup>2</sup>Manner of death was determined by the information reported in the cause of death section on the death certificate; manner of death checked on the death certificate may differ from manner determined by cause of death. There is not a check box for Legal intervention for manner of death on the Idaho death certificate.

**YEARS OF POTENTIAL LIFE LOST BEFORE AGE 75**  
**Idaho Resident Alcohol-Induced, and Firearm-Injury Mortality**  
**2018**

CAUSE OF DEATH	Persons Aged Less Than 75 Years		Years of Potential Life Lost (YPLL) Before Age 75		
	Number of Deaths	Percentage of Deaths	Total Number of YPLL	YPLL Rate <sup>1</sup>	Average Number of YPLL per Death
Alcohol-Induced	195	3.2%	3,621	225	18.6
Firearm-Injury	248	4.1%	8,136	504	32.8

<sup>1</sup>YPLL rate is the total number of years of potential life lost per 100,000 population aged less than 75 years. See Technical Notes for methodology.

Alcohol-induced, and firearm-injury deaths are subsets of rankable causes of mortality and are not ranked for leading causes of mortality. See Technical notes for more information.

**IDAHO RESIDENT MORTALITY**  
**Disposition Method<sup>1</sup>**  
**2018**

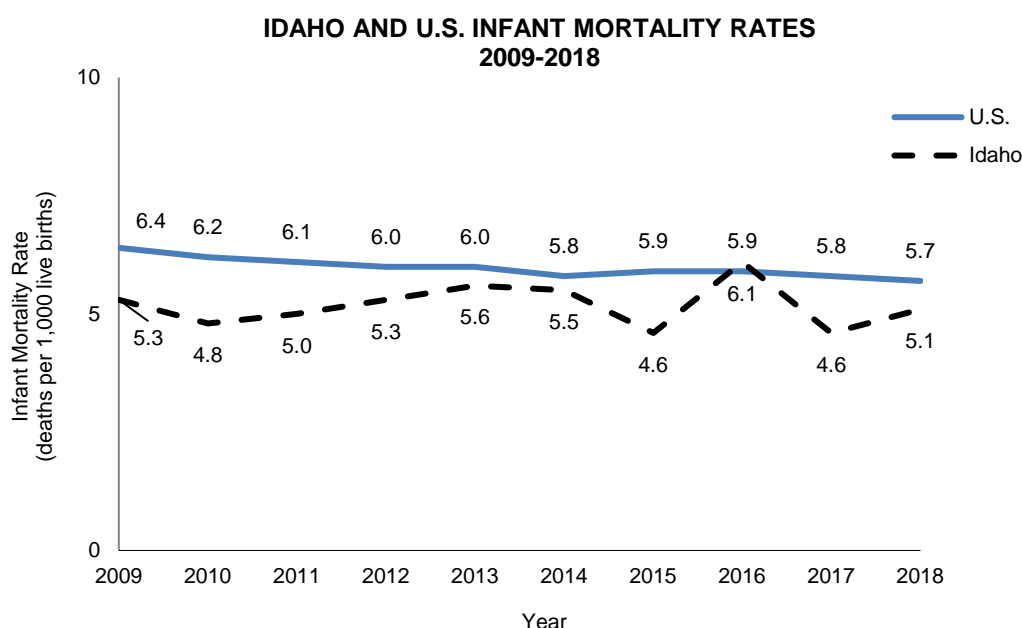
RESIDENCE	TOTAL DEATHS	DISPOSITION METHOD								
		Burial and entombment		Cremation		Donation		Removal from Idaho		Other/ not stated
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number
IDAHO	14,263	3,995	28.0%	9,160	64.2%	13	0.1%	1,093	7.7%	2
District 1	2,406	288	12.0	1,826	75.9	-	-	291	12.1	1
District 2	1,086	180	16.6	736	67.8	1	0.1	168	15.5	1
District 3	2,377	602	25.3	1,621	68.2	5	0.2	149	6.3	-
District 4	3,473	763	22.0	2,548	73.4	5	0.1	157	4.5	-
District 5	1,673	545	32.6	1,074	64.2	-	-	54	3.2	-
District 6	1,620	825	50.9	715	44.1	1	0.1	79	4.9	-
District 7	1,628	792	48.7	640	39.3	1	0.1	195	12.0	-
Ada	3,136	705	22.5	2,287	72.9	5	0.2	139	4.4	-
Adams	44	11	25.0	31	70.5	-	-	2	4.6	-
Bannock	798	330	41.4	444	55.6	1	0.1	23	2.9	-
Bear Lake	66	45	68.2	6	9.1	-	-	15	22.7	-
Benewah	108	21	19.4	72	66.7	-	-	15	13.9	-
Bingham	418	241	57.7	162	38.8	-	-	15	3.6	-
Blaine	101	12	11.9	87	86.1	-	-	2	2.0	-
Boise	57	12	21.1	43	75.4	-	-	2	3.5	-
Bonner	440	50	11.4	301	68.6	-	-	88	20.1	1
Bonneville	949	440	46.4	454	47.8	-	-	55	5.8	-
Boundary	119	21	17.7	88	74.0	-	-	10	8.4	-
Butte	38	18	47.4	18	47.4	-	-	2	5.3	-
Camas	13	2	15.4	11	84.6	-	-	-	-	-
Canyon	1,649	431	26.1	1,136	68.9	4	0.2	78	4.7	-
Caribou	60	38	63.3	18	30.0	-	-	4	6.7	-
Cassia	214	114	53.3	89	41.6	-	-	11	5.1	-
Clark	5	2	40.0	3	60.0	-	-	-	-	-
Clearwater	101	11	10.9	86	85.2	-	-	4	4.0	-
Custer	55	8	14.6	16	29.1	-	-	31	56.4	-
Elmore	215	36	16.7	167	77.7	-	-	12	5.6	-
Franklin	126	89	70.6	24	19.1	-	-	13	10.3	-
Fremont	101	60	59.4	35	34.7	-	-	6	5.9	-
Gem	231	62	26.8	161	69.7	1	0.4	7	3.0	-
Gooding	133	44	33.1	86	64.7	-	-	3	2.3	-
Idaho	208	39	18.8	160	76.9	-	-	9	4.3	-
Jefferson	181	106	58.6	62	34.3	1	0.6	12	6.6	-
Jerome	157	50	31.9	104	66.2	-	-	3	1.9	-
Kootenai	1,572	179	11.4	1,222	77.7	-	-	171	10.9	-
Latah	219	37	16.9	49	22.4	1	0.5	132	60.3	-
Lemhi	118	24	20.3	22	18.6	-	-	72	61.0	-
Lewis	51	7	14.0	42	84.0	-	-	1	2.0	1
Lincoln	55	21	38.2	33	60.0	-	-	1	1.8	-
Madison	173	133	76.9	31	17.9	-	-	9	5.2	-
Minidoka	210	81	38.6	123	58.6	-	-	6	2.9	-
Nez Perce	507	86	17.0	399	78.7	-	-	22	4.3	-
Oneida	55	35	63.6	15	27.3	-	-	5	9.1	-
Owyhee	105	28	26.7	70	66.7	-	-	7	6.7	-
Payette	239	47	19.7	145	60.7	-	-	47	19.7	-
Power	59	29	49.2	28	47.5	-	-	2	3.4	-
Shoshone	167	17	10.2	143	85.6	-	-	7	4.2	-
Teton	46	19	41.3	17	37.0	-	-	10	21.7	-
Twin Falls	790	221	28.0	541	68.5	-	-	28	3.5	-
Valley	65	10	15.4	51	78.5	-	-	4	6.2	-
Washington	109	23	21.1	78	71.6	-	-	8	7.3	-

<sup>1</sup>Disposition method may or may not be reported for Idaho residents who died out-of-state.

# INFANT, FETAL, AND MATERNAL MORTALITY

## U.S. and Idaho Infant Mortality

Infant mortality is defined as death under one year of age. The infant mortality rate in the U.S. declined slightly from 5.8 per 1,000 live births in 2017 to 5.7 in 2018.<sup>1</sup> The infant mortality rate for Idaho residents increased 11 percent from 4.6 in 2017 to 5.1 in 2018. There were 109 infant deaths among Idaho residents in 2018 compared with 101 in 2017.

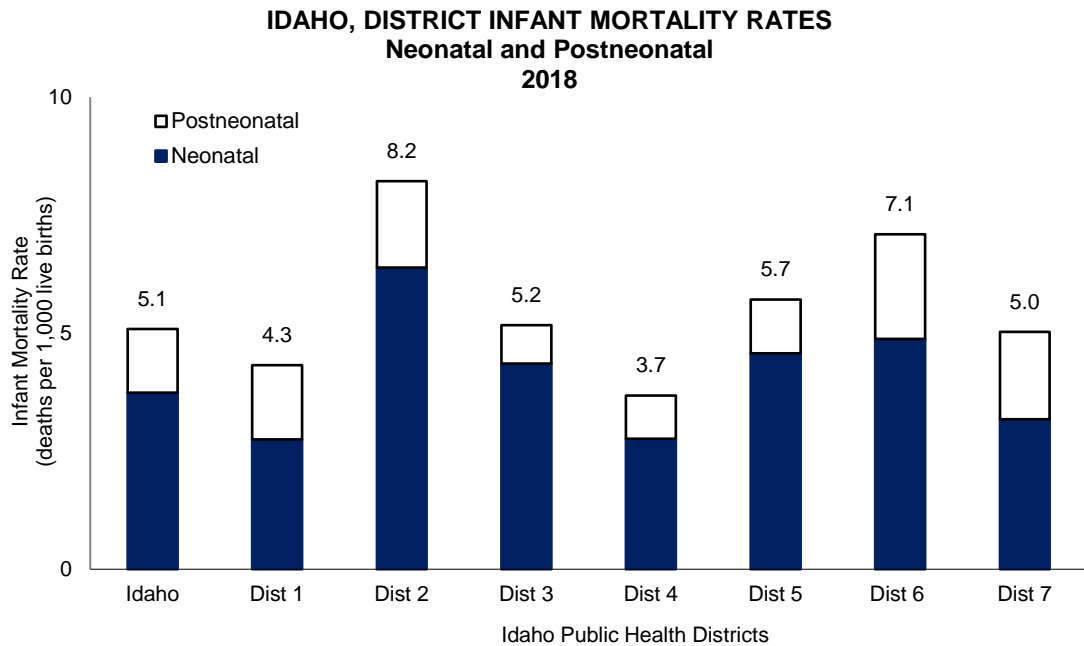


## Neonatal and Postneonatal Mortality

Neonatal mortality is defined as death at less than 28 days of age and postneonatal mortality is defined as death from 28 days to 364 days of age. In Idaho, the neonatal mortality rate increased 21 percent, from 3.1 deaths per 1,000 live births in 2017 to 3.7 in 2018. The postneonatal mortality rate decreased ten percent, from 1.5 deaths per 1,000 live births in 2017 to 1.4 in 2018. The U.S. neonatal mortality rate was 3.8 and the postneonatal mortality rate was 2.0 in 2017 (latest year U.S. neonatal and postneonatal data are available at the time of publishing this report).<sup>2</sup>

Public Health District 2 experienced the highest infant mortality rate in 2018 with 8.2 deaths per 1,000 live births followed by District 6 (7.1 deaths per 1,000 live births). District 4 had the lowest rate in 2018 (3.7). Neonatal mortality ranged from a low of 2.7 neonatal deaths per 1,000 births in District 1 to a high of 6.2 neonatal deaths in District 2. Postneonatal mortality ranged from a low of 0.8 in District 3 to a high of 2.2 in District 6.

Though they are provided, most one-year county and many District-level rates are unreliable due to small numbers of infant deaths. This results in mortality rates that are unstable. Small counties are disproportionately affected and can have calculated rates that are abnormally high. Therefore, moving three-year rates are a more reliable measure of infant mortality. Three-year infant mortality rates from 2007-2009 through 2016-2018 are provided by district and county.



### U.S. and Idaho Leading Causes of Infant Mortality

In 2018, the leading cause of infant mortality in Idaho and in the U.S. was Congenital malformations, deformations and chromosomal abnormalities (birth defects). The infant mortality rate for birth defects in Idaho was 135.5 deaths per 100,000 births compared with 118.0 deaths per 100,000 live births in the U.S. In Idaho, the second leading cause of infant death was a tie between Disorders related to short gestation and low birthweight and Newborn affected by maternal complications of pregnancy. The second leading cause for the U.S. was Disorders related to short gestation and low birth weight.<sup>1</sup>

### Stillbirths

Idaho reportable stillbirth deliveries or stillbirths are defined as a spontaneous fetal death of 20 completed weeks of gestation or more, based on a clinical estimate of gestation, or a weight of 350 grams (12.35 ounces) or more. In 2018, there were 114 stillbirths to Idaho residents; the ratio of stillbirths to live births was 5.3 stillbirths per 1,000 live births. In the past ten years, the stillbirth ratio ranged from a low of 4.8 stillbirths per 1,000 live births in 2009 and 2017, to a high of 6.2 in 2015.

### Perinatal Mortality

Perinatal mortality is defined as a stillbirth or death under seven days of age. The perinatal mortality ratio is the number of stillbirths plus the number of deaths to infants under seven days of age per 1,000 live births. This ratio is often used to compare U.S. data with other countries as definitions for live birth, stillbirth, and infant mortality vary between countries. In 2018, there were 182 perinatal deaths to Idaho residents. The Idaho perinatal mortality ratio in 2018 was 8.5 deaths per 1,000 live births, which was a 16 percent increase from the rate in 2017 (7.3 perinatal deaths per 1,000 births).



## Maternal Mortality

The World Health Organization defines maternal death as “the death of a woman while pregnant or within 42 days of termination of pregnancy, irrespective of the duration and site of the pregnancy, from any cause related to or aggravated by the pregnancy or its management but not from accidental or incidental causes.”<sup>3</sup> Maternal causes of death include pregnancies with a live birth, stillbirth, fetal demise or abortive outcome and can be divided into two groups:

1) Direct obstetric deaths are those resulting from obstetric complications of the pregnancy from interventions, omissions, incorrect treatment, or from chain of events resulting from the pregnancy, labor and the puerperium.

2) Indirect obstetric deaths are those resulting from previous existing disease or disease that developed during pregnancy and which was not due to direct causes, but which were aggravated by physiologic effects of pregnancy.

In 2003, the Idaho death certificate was revised to include a separate question regarding pregnancy status of females aged 10 to 54 years. Data are reported if the female was pregnant at time of death, within 42 days of death, or 43 days to one year prior to death. Data from this question are used in conjunction with cause-of-death information reported in Part I and Part II on the death certificate to determine the underlying cause of death. This separate pregnancy status checkbox on the death certificate resulted in the identification of more maternal deaths in states with the revised death certificate.<sup>2</sup> Idaho maternal death data from 2003 to 2017 were not comparable with data based on unrevised death certificates; therefore, Idaho maternal mortality rates were not comparable with U.S. mortality rates.

As of 2018, all 50 states have implemented a pregnancy status checkbox on their death certificate.<sup>4</sup> At the same time, the National Center for Health Statistics (NCHS) conducted an evaluation of the quality of data and concluded there was an overreporting of maternal deaths among older women due to checkbox errors, especially if there was no indication of pregnancy written in the cause-of-death section of the death certificate. In 2018, NCHS adopted a new method for coding (counting) maternal deaths. This new method is called the “2018 coding method”, and this method restricts the application of the pregnancy status checkbox to code the death to a maternal death to females aged 10 to 44 years rather than females aged 10 to 55 years. For females younger than 10 or older than 44, cases in which a pregnancy or obstetric condition is reported in the cause-of-death section will continue to be coded as a maternal death regardless of the age of the female. However, for these females aged younger than 10 or older than 44, if there is no mention of pregnancy or obstetric condition in the cause of death section, the death would not be coded to a maternal death.

For every death, an International Statistical Classification of Diseases code, 10th Revision (ICD-10 code) is determined and used to count the number of deaths for each cause of death classification. For deaths to women while pregnant or pregnant within 42 days of death, the ICD-10 codes for maternal deaths are A34 (Obstetrical tetanus), O00-O95 (Direct obstetric causes), and O98-O99 (Indirect obstetric causes). Prior to using the 2018 coding method to code and count maternal deaths, Idaho reported 68 maternal deaths from 2003 to 2017. Of the 68 deaths, 11 were females aged 45-55 and the information written in the cause-of-death section did not report pregnancy or obstetric condition. If the 2018 coding method is used for coding maternal deaths from 2003 to 2017, Idaho would code 57 maternal deaths. From 2003 to 2017, there were a total of 346,620 Idaho resident births; the maternal death rate calculated using the pre-2018 coding method was 19.6 maternal deaths per 100,000 live births. With the

implementation of the 2018 coding method, the maternal death rate would be 16.4 per 100,000 live births from 2003 to 2017.

In 2018, NCHS reported 658 national maternal deaths based on 2018 coding method; the national maternal mortality rate in 2018 was 17.4 maternal deaths per 100,000 live births using the 2018 coding method<sup>4</sup>. There were 4 maternal deaths among Idaho residents reported in 2018; the maternal mortality rate was 18.7 per 100,000 live births in 2018.

#### **Late Maternal Mortality**

Late maternal deaths are defined as deaths of a woman from direct or indirect obstetric causes more than 42 days but less than one year after termination of pregnancy. Late maternal deaths are not included in the count for maternal deaths. Beginning in 2018, NCHS began using the 2018 coding method to code and count the number of late maternal deaths. The ICD-10 codes for late maternal deaths are O96-O97. In 2018, there were 277 deaths in the U.S. due to late maternal mortality (rate of 7.3 late maternal deaths per 100,000 live births). In Idaho, there were 2 late maternal deaths (rate of 9.3 deaths per 100,000 live births).

#### **Pregnancy, childbirth, and the puerperium**

Maternal deaths and late maternal deaths are not death classifications used to rank the leading causes of deaths in the U.S. The cause-of-death classification “Pregnancy, childbirth, and the puerperium” is used to rank leading cause of death and is based on all ICD-10 codes from O00-O99. Deaths due to Pregnancy, childbirth, and the puerperium may occur any time during pregnancy or after delivery or termination of pregnancy including one year or later after pregnancy, delivery or termination. These deaths only include direct and indirect obstetric complications, and do not include accidental or any deaths caused by injuries such as suicide or homicide. There were 7 deaths due to “Pregnancy, childbirth, and the puerperium” among Idaho women in 2018; 6 occurred under a year and one occurred a year or more after the pregnancy, delivery, or termination. Mortality rates for causes of death used to rank leading cause of death are based on population rather than number of births. In 2018, the death rate for “Pregnancy, childbirth, and the puerperium” for Idaho women was 0.8 deaths per 100,000 women; the rate was 0.6 per 100,000 women in the U.S. based on the 2018 coding method for deaths to be coded to ICD-10 codes O00-O99.

1. “Mortality in the United States, 2018,” National Center for Health Statistics Data Brief, No. 355, January 2020.
2. “Deaths: Final Data for 2017,” National Vital Statistics Reports, Vol 68, No. 9, National Center for Health Statistics, 2019.
3. World Health Organization. (2016). International Statistical Classification of Diseases and Related Health Problems 10th Revision Instruction Manual (5th ed., Vol. 2).
4. “Maternal Mortality in the United States: Changes in Coding, Publication, and Data Release, 2018,” National Vital Statistics Reports, Vol 69, No. 2, National Center for Health Statistics, January 30, 2020.

**IDAHO RESIDENT INFANT MORTALITY**  
**Number of Infant Deaths and Rates<sup>1</sup>**  
**2014-2018**

RESIDENCE	2018		2017		2016		2015		2014	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
U.S. <sup>2</sup>	5.7		5.8		5.9		5.9		5.8	
IDAHO	109	5.1	101	4.6	137	6.1	106	4.6	126	5.5
District 1	11	4.3	8	3.1	14	5.4	12	4.5	17	6.5
District 2	9	8.2	4	3.4	7	6.0	5	4.1	10	8.5
District 3	19	5.2	24	6.2	24	6.1	21	5.3	24	6.0
District 4	20	3.7	22	4.0	25	4.4	25	4.4	27	4.7
District 5	15	5.7	14	5.1	24	8.5	15	5.4	17	6.1
District 6	16	7.1	15	6.3	20	8.2	10	3.9	11	4.3
District 7	19	5.0	14	3.5	23	5.9	18	4.5	20	5.0
Ada	18	3.7	20	4.1	24	4.8	22	4.3	23	4.5
Adams	-	-	-	-	-	-	-	-	-	-
Bannock	6	5.4	7	5.9	8	6.7	5	4.0	7	5.3
Bear Lake	-	-	-	-	-	-	-	-	-	-
Benewah	-	-	-	-	-	-	-	-	2	18.7
Bingham	6	10.2	4	6.6	7	10.6	4	5.4	1	1.5
Blaine	-	-	1	5.3	1	5.0	2	8.4	-	-
Boise	1	21.3	1	16.4	-	-	-	-	-	-
Bonner	1	2.5	3	7.1	2	4.6	5	13.2	5	11.6
Bonneville	15	8.3	4	2.1	16	8.4	11	5.6	14	7.5
Boundary	3	19.5	-	-	-	-	-	-	1	7.6
Butte	-	-	-	-	1	33.3	-	-	-	-
Camas	-	-	-	-	-	-	-	-	-	-
Canyon	16	5.5	14	4.6	20	6.4	16	5.0	20	6.2
Caribou	-	-	1	10.5	1	11.2	-	-	1	12.0
Cassia	1	2.7	1	2.6	6	15.7	1	2.9	4	10.7
Clark	-	-	-	-	-	-	-	-	-	-
Clearwater	1	15.4	-	-	3	41.7	1	17.9	-	-
Custer	-	-	-	-	-	-	-	-	-	-
Elmore	1	2.4	1	2.1	1	2.2	2	4.6	4	8.1
Franklin	4	20.6	3	15.7	1	5.0	1	5.1	-	-
Fremont	-	-	1	5.7	-	-	2	11.5	1	5.1
Gem	1	5.2	1	5.1	2	9.7	2	9.3	3	15.6
Gooding	2	11.0	1	5.1	6	26.4	2	9.9	1	5.0
Idaho	-	-	1	6.3	-	-	1	6.0	2	12.7
Jefferson	1	2.3	3	6.0	2	4.5	-	-	-	-
Jerome	3	8.0	1	2.7	9	22.4	-	-	7	18.2
Kootenai	7	4.0	5	2.8	11	6.3	7	3.8	8	4.5
Latah	6	15.3	1	2.2	4	9.4	2	4.3	4	8.9
Lemhi	1	14.7	2	25.6	-	-	1	11.4	2	30.8
Lewis	1	26.3	-	-	-	-	-	-	-	-
Lincoln	1	16.9	-	-	-	-	1	11.6	-	-
Madison	1	0.9	4	3.5	4	3.7	4	3.8	2	1.7
Minidoka	-	-	5	15.4	1	3.3	2	6.6	2	6.1
Nez Perce	1	2.2	2	4.3	-	-	1	2.1	4	8.3
Oneida	-	-	-	-	-	-	-	-	-	-
Owyhee	1	7.2	3	21.3	1	7.4	1	6.9	-	-
Payette	1	3.5	4	12.7	1	3.5	2	6.8	1	3.2
Power	-	-	-	-	2	16.3	-	-	2	13.4
Shoshone	-	-	-	-	1	6.8	-	-	1	6.7
Teton	1	8.0	-	-	1	6.9	-	-	1	7.3
Twin Falls	8	6.9	5	4.1	1	0.8	7	6.0	3	2.5
Valley	-	-	-	-	-	-	1	11.4	-	-
Washington	-	-	2	18.7	-	-	-	-	-	-

<sup>1</sup>Rates are deaths of infants under one year of age per 1,000 live births. Rates are unreliable when the rate was calculated with a numerator (number of deaths) <20.

<sup>2</sup>Source for 2014-2017: Centers for Disease Control and Prevention, National Center for Health Statistics. Underlying Cause of Death 1999-2015 on CDC WONDER Online Database, released December, 2017. Source for 2018: "Mortality in the United States, 2018. NCHS Data Brief", no 355. National Center for Health Statistics, 2020.

**IDAHO RESIDENT INFANT MORTALITY**  
**Sex, Race and Ethnicity<sup>1</sup> of Infant**  
**2018**

RESIDENCE	TOTAL DEATHS	SEX		RACE					ETHNICITY	
		Male	Female	White	Black	American Indian/ Alaska Native	Asian/ Pacific Islander	Other Race/ Multiple Race	Non-Hispanic	Hispanic
IDAHO	109	61	48	96	1	2	4	6	89	20
District 1	11	5	6	9	-	1	-	1	10	1
District 2	9	4	5	6	-	-	1	2	9	-
District 3	19	12	7	17	-	-	1	1	14	5
District 4	20	11	9	17	-	-	2	1	18	2
District 5	15	12	3	15	-	-	-	-	9	6
District 6	16	8	8	14	-	1	-	1	15	1
District 7	19	9	10	18	1	-	-	-	14	5
Ada	18	10	8	15	-	-	2	1	16	2
Adams	-	-	-	-	-	-	-	-	-	-
Bannock	6	3	3	5	-	-	-	1	5	1
Bear Lake	-	-	-	-	-	-	-	-	-	-
Benewah	-	-	-	-	-	-	-	-	-	-
Bingham	6	5	1	5	-	1	-	-	6	-
Blaine	-	-	-	-	-	-	-	-	-	-
Boise	1	1	-	1	-	-	-	-	1	-
Bonner	1	-	1	1	-	-	-	-	1	-
Bonneville	15	9	6	14	1	-	-	-	12	3
Boundary	3	-	3	3	-	-	-	-	3	-
Butte	-	-	-	-	-	-	-	-	-	-
Camas	-	-	-	-	-	-	-	-	-	-
Canyon	16	11	5	14	-	-	1	1	11	5
Caribou	-	-	-	-	-	-	-	-	-	-
Cassia	1	1	-	1	-	-	-	-	1	-
Clark	-	-	-	-	-	-	-	-	-	-
Clearwater	1	1	-	1	-	-	-	-	1	-
Custer	-	-	-	-	-	-	-	-	-	-
Elmore	1	-	1	1	-	-	-	-	1	-
Franklin	4	-	4	4	-	-	-	-	4	-
Fremont	-	-	-	-	-	-	-	-	-	-
Gem	1	1	-	1	-	-	-	-	1	-
Gooding	2	2	-	2	-	-	-	-	1	1
Idaho	-	-	-	-	-	-	-	-	-	-
Jefferson	1	-	1	1	-	-	-	-	-	1
Jerome	3	1	2	3	-	-	-	-	2	1
Kootenai	7	5	2	5	-	1	-	1	6	1
Latah	6	3	3	4	-	-	-	2	6	-
Lemhi	1	-	1	1	-	-	-	-	1	-
Lewis	1	-	1	-	-	-	1	-	1	-
Lincoln	1	1	-	1	-	-	-	-	1	-
Madison	1	-	1	1	-	-	-	-	1	-
Minidoka	-	-	-	-	-	-	-	-	-	-
Nez Perce	1	-	1	1	-	-	-	-	1	-
Oneida	-	-	-	-	-	-	-	-	-	-
Owyhee	1	-	1	1	-	-	-	-	1	-
Payette	1	-	1	1	-	-	-	-	1	-
Power	-	-	-	-	-	-	-	-	-	-
Shoshone	-	-	-	-	-	-	-	-	-	-
Teton	1	-	1	1	-	-	-	-	-	1
Twin Falls	8	7	1	8	-	-	-	-	4	4
Valley	-	-	-	-	-	-	-	-	-	-
Washington	-	-	-	-	-	-	-	-	-	-

<sup>1</sup>Race and Hispanic origin are reported separately on the death certificate. Infants of Hispanic origin are included in appropriate race totals.

**IDAHO RESIDENT INFANT MORTALITY**  
**Cause of Death by Neonatal and Postneonatal Periods**  
**2018 Idaho and U.S.**

CAUSE OF DEATH AND ICD-10 CODE(S)	IDAHO						U.S.
	Total		Neonatal		Postneonatal		Total
	Number	Rate	Number	Rate	Number	Rate	Rate
<b>TOTAL</b>	109	509.2	80	373.7	29	135.5	566.2
Influenza and pneumonia (J09-J18)#	-	-	-	-	-	-	4.6
Certain conditions originating in the perinatal period (P00-P96)	54	252.3	53	247.6	1	4.7	278.8
Newborn affected by maternal complications of pregnancy (P01)#	10	46.7	10	46.7	-	-	35.8
Newborn affected by complications of placenta, cord and membranes (P02)#	8	37.4	8	37.4	-	-	19.1
Disorders related to short gestation and low birth weight, not elsewhere classified (P07)#	10	46.7	10	46.7	-	-	97.0
Intrauterine hypoxia and birth asphyxia (P20-P21)#	1	4.7	-	-	1	4.7	8.1
Respiratory distress of newborn (P22)#	1	4.7	1	4.7	-	-	10.3
Bacterial sepsis of newborn (P36)#	1	4.7	1	4.7	-	-	15.3
Neonatal hemorrhage (P50-P52, P54)#	4	18.7	4	18.7	-	-	9.9
Other conditions originating in perinatal period	19	88.8	19	88.8	-	-	NA
Congenital malformations, deformations and chromosomal abnormalities (birth defect) (Q00-Q99)#	29	135.5	25	116.8	4	18.7	118.0
Sudden infant death syndrome (R95)#	7	32.7	-	-	7	32.7	35.2
Other symptoms, signs, and abnormal clinical and laboratory findings (R00-R53, R55-R94, R96-R99)	5	23.4	-	-	5	23.4	34.9
Accidents (V01-X59, Y85-Y86)#	6	28.0	-	-	6	28.0	30.8
Assault (homicide X85-Y09, Y87.1)#	-	-	-	-	-	-	7.1
All other causes	8	37.4	2	9.3	6	28.0	NA

Rates are deaths of infants under one year of age per 100,000 live births. Rates are unreliable when the rate was calculated with a numerator (number of deaths) <20.

#Cause of infant death used to rank leading cause of death.

NA: not applicable.

**IDAHO RESIDENT INFANT MORTALITY**  
**Neonatal and Postneonatal Mortality by Age of Mother**  
**2018**

AGE OF MOTHER (at time of birth)	Total		Neonatal		Postneonatal	
	Number	Rate	Number	Rate	Number	Rate
<b>TOTAL</b>	109	5.1	80	3.7	29	1.4
<15	-	-	-	-	-	-
15-19	3	3.1	2	2.1	1	1.0
15-17	2	9.5	1	4.7	1	4.7
18-19	1	1.3	1	1.3	-	-
20-34	83	4.8	58	3.3	25	1.4
35+	21	7.0	19	6.3	2	0.7
Unknown	2	NA	1	NA	1	NA

Rates are deaths of infants under one year of age per 1,000 live births in corresponding mother's age group. Mother's age is mother's age at the time of infant's birth.

NA=not applicable.

**IDAHO RESIDENT INFANT MORTALITY**  
**Leading Causes of Infant Mortality**  
**Three-Year Aggregate, 2016-2018**

RESIDENCE	THREE-YEAR TOTAL INFANT DEATHS		CAUSE OF INFANT DEATH						
			Congenital malform- ations <sup>1</sup>	Short Gestation / Unspecified Low Birth Weight	Respiratory Distress of Newborn	All Other Conditions Originating in Perinatal Period	Sudden Infant Death Syndrome (SIDS)	External Causes <sup>2</sup>	All Other Causes
	Number	Rate							
IDAHO	347	5.3	91	34	7	112	30	21	52
District 1	33	4.3	9	2	1	8	7	4	2
District 2	20	5.8	5	2	2	6	3	1	1
District 3	67	5.9	14	11	-	23	3	4	12
District 4	67	4.1	16	7	-	25	5	2	12
District 5	53	6.4	18	3	1	17	5	4	5
District 6	51	7.2	13	2	-	16	4	2	14
District 7	56	4.8	16	7	3	17	3	4	6
Ada	62	4.2	14	6	-	24	5	2	11
Adams	-	-	-	-	-	-	-	-	-
Bannock	21	6.0	2	1	-	9	2	2	5
Bear Lake	-	-	-	-	-	-	-	-	-
Benewah	-	-	-	-	-	-	-	-	-
Bingham	17	9.2	4	1	-	6	1	-	5
Blaine	2	3.4	1	-	-	-	-	-	1
Boise	2	12.7	1	-	-	1	-	-	-
Bonner	6	4.7	1	-	-	5	-	-	-
Bonneville	35	6.3	9	6	1	8	3	4	4
Boundary	3	7.0	3	-	-	-	-	-	-
Butte	1	11.4	1	-	-	-	-	-	-
Camas	-	-	-	-	-	-	-	-	-
Canyon	50	5.5	12	8	-	15	2	3	10
Caribou	2	7.1	2	-	-	-	-	-	-
Cassia	8	6.9	5	-	-	1	1	1	-
Clark	-	-	-	-	-	-	-	-	-
Clearwater	4	19.4	2	-	-	-	1	1	-
Custer	-	-	-	-	-	-	-	-	-
Elmore	3	2.2	1	1	-	-	-	-	1
Franklin	8	13.6	2	-	-	1	1	-	4
Fremont	1	1.9	-	-	1	-	-	-	-
Gem	4	6.7	-	1	-	3	-	-	-
Gooding	9	14.9	1	2	-	3	2	-	1
Idaho	1	2.2	-	-	-	1	-	-	-
Jefferson	6	4.3	2	-	1	2	-	-	1
Jerome	13	11.4	5	1	-	6	-	-	1
Kootenai	23	4.3	4	2	1	3	7	4	2
Latah	11	8.7	2	-	2	5	1	-	1
Lemhi	3	13.3	1	-	-	1	-	-	1
Lewis	1	9.0	-	1	-	-	-	-	-
Lincoln	1	5.2	1	-	-	-	-	-	-
Madison	9	2.7	4	-	-	5	-	-	-
Minidoka	6	6.6	1	-	-	4	1	-	-
Nez Perce	3	2.1	1	1	-	-	1	-	-
Oneida	-	-	-	-	-	-	-	-	-
Owyhee	5	12.0	-	1	-	2	1	1	-
Payette	6	6.7	2	1	-	1	-	-	2
Power	2	5.9	2	-	-	-	-	-	-
Shoshone	1	2.2	1	-	-	-	-	-	-
Teton	2	4.8	-	1	-	1	-	-	-
Twin Falls	14	3.9	4	-	1	3	1	3	2
Valley	-	-	-	-	-	-	-	-	-
Washington	2	6.1	-	-	-	2	-	-	-

Rates are deaths of infants under one year of age per 1,000 live births in 2016, 2017, and 2018. Rates are unreliable when the rate was calculated with a numerator (number of deaths) <20.

<sup>1</sup>Shortened ICD-10 title for Congenital malformations, deformations and chromosomal abnormalities (birth defects).

<sup>2</sup>External causes include unintentional injury, homicide, and undetermined injury for infants under one year of age.

**IDAHO RESIDENT INFANT MORTALITY**  
**Neonatal and Postneonatal Mortality**  
**2018 Idaho and U.S.**

RESIDENCE	TOTAL LIVE BIRTHS	INFANT DEATHS					
		Total <sup>1</sup>		Neonatal <sup>2</sup>		Postneonatal <sup>3</sup>	
		Number	Rate	Number	Rate	Number	Rate
U.S. <sup>4</sup>		22,335	5.7	14,821	3.8	7,514	1.9
IDAHO	21,406	109	5.1	80	3.7	29	1.4
District 1	2,546	11	4.3	7	2.7	4	1.6
District 2	1,095	9	8.2	7	6.4	2	1.8
District 3	3,674	19	5.2	16	4.4	3	0.8
District 4	5,432	20	3.7	15	2.8	5	0.9
District 5	2,625	15	5.7	12	4.6	3	1.1
District 6	2,254	16	7.1	11	4.9	5	2.2
District 7	3,780	19	5.0	12	3.2	7	1.9
Ada	4,861	18	3.7	13	2.7	5	1.0
Adams	29	-	-	-	-	-	-
Bannock	1,112	6	5.4	5	4.5	1	0.9
Bear Lake	77	-	-	-	-	-	-
Benewah	92	-	-	-	-	-	-
Bingham	587	6	10.2	5	8.5	1	1.7
Blaine	197	-	-	-	-	-	-
Boise	47	1	21.3	1	21.3	-	-
Bonner	405	1	2.5	1	2.5	-	-
Bonneville	1,815	15	8.3	9	5.0	6	3.3
Boundary	154	3	19.5	2	13.0	1	6.5
Butte	25	-	-	-	-	-	-
Camas	4	-	-	-	-	-	-
Canyon	2,918	16	5.5	13	4.5	3	1.0
Caribou	99	-	-	-	-	-	-
Cassia	377	1	2.7	1	2.7	-	-
Clark	11	-	-	-	-	-	-
Clearwater	65	1	15.4	-	-	1	15.4
Custer	31	-	-	-	-	-	-
Elmore	417	1	2.4	1	2.4	-	-
Franklin	194	4	20.6	1	5.2	3	15.5
Fremont	189	-	-	-	-	-	-
Gem	194	1	5.2	1	5.2	-	-
Gooding	182	2	11.0	2	11.0	-	-
Idaho	144	-	-	-	-	-	-
Jefferson	444	1	2.3	1	2.3	-	-
Jerome	375	3	8.0	3	8.0	-	-
Kootenai	1,733	7	4.0	4	2.3	3	1.7
Latah	391	6	15.3	5	12.8	1	2.6
Lemhi	68	1	14.7	-	-	1	14.7
Lewis	38	1	26.3	1	26.3	-	-
Lincoln	59	1	16.9	1	16.9	-	-
Madison	1,097	1	0.9	1	0.9	-	-
Minidoka	279	-	-	-	-	-	-
Nez Perce	457	1	2.2	1	2.2	-	-
Oneida	56	-	-	-	-	-	-
Owyhee	138	1	7.2	1	7.2	-	-
Payette	286	1	3.5	1	3.5	-	-
Power	104	-	-	-	-	-	-
Shoshone	162	-	-	-	-	-	-
Teton	125	1	8.0	1	8.0	-	-
Twin Falls	1,152	8	6.9	5	4.3	3	2.6
Valley	107	-	-	-	-	-	-
Washington	109	-	-	-	-	-	-

Rates are unreliable when the rate was calculated with a numerator (number of deaths) <20.

<sup>1</sup>Total infant mortality rates are deaths of infants under one year of age per 1,000 live births.

<sup>2</sup>Neonatal infant mortality rates are deaths of infants within the first 27 days of life per 1,000 live births.

<sup>3</sup>Postneonatal infant mortality rates are deaths of infants aged 28 days to under one year of age per 1,000 live births.

<sup>4</sup>CDC, NCHS. Underlying Cause of Death 1999-2018 on CDC WONDER Online Database, released December, 2019.

**IDAHO RESIDENT INFANT MORTALITY**  
**Three-Year Rates<sup>1</sup>**  
**2007-2009 Through 2016-2018**

RESIDENCE	2016-2018	2015-2017	2014-2016	2013-2015	2012-2014	2011-2013	2010-2012	2009-2011	2008-2010	2007-2009
IDAHO	5.3	5.1	5.4	5.3	5.5	5.3	5.0	5.1	5.3	6.0
District 1	4.3	4.3	5.5	5.2	5.3	4.8	4.5	3.4	3.5	4.9
District 2	5.8	4.5	6.2	6.7	7.0	7.0	7.3	7.1	6.1	5.2
District 3	5.9	5.9	5.8	6.3	6.7	6.6	5.2	5.1	5.5	6.6
District 4	4.1	4.3	4.5	4.4	4.4	4.5	4.6	4.9	5.1	5.8
District 5	6.4	6.3	6.7	6.1	6.7	6.1	6.2	6.2	7.1	7.5
District 6	7.2	6.1	5.4	4.9	4.6	5.0	4.4	4.9	5.1	5.8
District 7	4.8	4.7	5.2	4.7	5.1	4.7	4.7	4.8	5.2	5.5
Ada	4.2	4.4	4.5	4.3	4.3	4.4	4.6	4.8	5.1	5.7
Adams	-	-	-	11.8	11.4	11.6	-	-	-	8.0
Bannock	6.0	5.5	5.3	4.7	4.6	4.6	4.9	4.8	4.5	5.2
Bear Lake	-	-	-	8.4	7.7	12.9	8.2	12.3	7.9	4.2
Benewah	-	-	6.2	12.2	11.9	8.9	2.9	6.0	3.0	11.8
Bingham	9.2	7.5	5.8	5.1	4.1	5.3	3.9	4.7	6.5	7.5
Blaine	3.4	6.4	4.5	3.0	1.5	1.5	4.3	6.8	6.0	4.6
Boise	12.7	6.6	-	-	-	8.4	8.5	6.9	-	-
Bonner	4.7	8.1	9.6	9.1	6.6	3.4	4.3	2.5	3.2	5.4
Bonneville	6.3	5.4	7.1	6.2	5.8	4.7	4.4	4.1	5.0	5.2
Boundary	7.0	-	2.3	5.0	7.9	5.3	2.8	-	2.6	2.5
Butte	11.4	11.1	12.0	-	-	-	-	-	-	-
Camas	-	-	-	-	-	-	-	-	-	-
Canyon	5.5	5.3	5.9	6.2	6.5	6.6	5.4	5.5	5.7	6.5
Caribou	7.1	7.4	7.8	3.7	3.7	3.7	7.1	13.8	9.6	9.9
Cassia	6.9	7.1	10.0	7.3	7.9	5.2	5.1	4.1	3.2	4.8
Clark	-	-	-	-	-	-	-	-	-	-
Clearwater	19.4	20.3	21.5	5.3	4.9	9.6	10.5	5.1	-	-
Custer	-	-	-	-	-	-	-	-	-	-
Elmore	2.2	2.9	5.1	6.4	6.3	5.7	5.6	6.5	6.4	8.1
Franklin	13.6	8.5	3.5	3.5	3.4	5.1	3.3	3.3	4.5	4.5
Fremont	1.9	5.7	5.5	5.4	5.2	6.8	6.4	3.1	-	-
Gem	6.7	8.1	11.4	11.6	8.3	3.4	-	1.8	3.4	3.1
Gooding	14.9	14.4	14.3	8.2	8.3	8.4	11.1	7.1	6.6	6.5
Idaho	2.2	4.3	6.4	10.8	10.7	6.5	6.2	6.3	8.0	4.0
Jefferson	4.3	3.5	1.5	2.1	4.9	6.1	5.3	7.0	7.3	8.0
Jerome	11.4	8.4	13.3	12.3	15.0	9.1	4.9	8.7	12.3	13.0
Kootenai	4.3	4.2	4.8	4.1	4.6	5.1	4.7	3.5	3.4	4.3
Latah	8.7	5.2	7.5	6.7	6.0	6.7	8.9	9.5	7.9	4.3
Lemhi	13.3	12.2	12.9	14.0	10.8	5.2	9.3	13.3	8.7	4.3
Lewis	9.0	-	-	-	-	-	8.1	8.5	15.9	7.6
Lincoln	5.2	4.5	4.9	4.5	14.0	13.3	12.4	-	-	-
Madison	2.7	3.7	3.0	2.4	3.3	3.4	4.4	5.2	5.7	6.6
Minidoka	6.6	8.6	5.4	5.2	9.0	9.0	8.0	2.1	1.0	4.0
Nez Perce	2.1	2.1	3.4	6.3	7.5	7.7	5.6	5.2	3.6	7.4
Oneida	-	-	-	6.9	7.1	6.8	-	-	-	-
Owyhee	12.0	11.8	4.7	4.9	7.2	7.2	4.7	4.7	9.0	12.6
Payette	6.7	7.8	4.5	5.5	9.8	9.7	9.4	5.1	6.0	8.6
Power	5.9	5.4	10.0	7.4	7.1	2.5	2.5	2.6	2.4	4.8
Shoshone	2.2	2.2	4.4	2.2	2.5	-	5.6	5.3	7.6	8.0
Teton	4.8	2.2	4.5	8.9	11.1	8.4	4.0	3.7	5.2	4.8
Twin Falls	3.9	3.6	3.0	4.2	3.3	4.7	5.8	7.4	9.1	8.8
Valley	-	3.6	3.7	3.8	-	-	-	3.6	2.9	2.6
Washington	6.1	6.0	-	-	-	-	-	-	-	-

<sup>1</sup>Rates are deaths to infants under one year of age during three-year period per 1,000 live births in corresponding three-year period.



**IDAHO RESIDENT STILLBIRTHS**  
**Number of Stillbirths and Ratios<sup>1</sup>**  
**2014-2018**

RESIDENCE	2018		2017		2016		2015		2014	
	Number	Ratio	Number	Ratio	Number	Ratio	Number	Ratio	Number	Ratio
IDAHO	114	5.3	106	4.8	114	5.1	142	6.2	114	5.0
District 1	14	5.5	7	2.7	15	5.8	14	5.3	12	4.6
District 2	7	6.4	6	5.1	11	9.3	9	7.4	7	5.9
District 3	23	6.3	27	7.0	22	5.7	26	6.6	23	5.7
District 4	25	4.6	20	3.7	17	3.1	36	6.3	20	3.5
District 5	12	4.6	12	4.3	14	5.1	17	6.1	21	7.5
District 6	15	6.7	11	4.7	17	7.2	16	6.3	12	4.7
District 7	18	4.8	23	5.8	18	4.6	24	6.0	19	4.8
Ada	21	4.3	17	3.5	12	2.5	33	6.4	20	3.9
Adams	-	-	-	-	-	-	-	-	-	-
Bannock	11	9.9	3	2.5	9	7.6	7	5.6	8	6.0
Bear Lake	-	-	1	12.0	1	12.0	-	-	-	-
Benewah	1	10.9	-	-	1	10.3	3	26.1	1	9.3
Bingham	3	5.1	4	6.6	3	5.0	7	9.5	3	4.4
Blaine	-	-	1	5.3	-	-	2	8.4	1	4.5
Boise	-	-	-	-	1	16.4	2	48.8	-	-
Bonner	1	2.5	2	4.7	3	7.1	-	-	3	7.0
Bonneville	11	6.1	10	5.3	7	3.7	16	8.1	13	6.9
Boundary	3	19.5	-	-	1	8.3	2	14.0	1	7.6
Butte	-	-	-	-	-	-	-	-	-	-
Camas	-	-	-	-	-	-	-	-	-	-
Canyon	19	6.5	22	7.2	19	6.2	23	7.2	18	5.6
Caribou	-	-	1	10.5	-	-	-	-	-	-
Cassia	5	13.3	2	5.1	2	5.1	5	14.5	3	8.0
Clark	-	-	-	-	-	-	-	-	-	-
Clearwater	1	15.4	-	-	1	14.5	-	-	1	17.2
Custer	-	-	-	-	-	-	-	-	1	23.8
Elmore	3	7.2	3	6.4	4	8.5	1	2.3	-	-
Franklin	-	-	-	-	2	10.5	-	-	1	5.7
Fremont	-	-	-	-	1	5.7	2	11.5	-	-
Gem	2	10.3	1	5.1	1	5.1	-	-	1	5.2
Gooding	-	-	1	5.1	3	15.2	2	9.9	1	5.0
Idaho	2	13.9	1	6.3	2	12.7	1	6.0	2	12.7
Jefferson	2	4.5	3	6.0	1	2.0	2	4.1	1	2.2
Jerome	-	-	-	-	2	5.5	1	2.4	3	7.8
Kootenai	7	4.0	5	2.8	10	5.5	7	3.8	7	3.9
Latah	1	2.6	2	4.4	5	11.1	5	10.7	1	2.2
Lemhi	-	-	-	-	-	-	-	-	1	15.4
Lewis	-	-	-	-	1	29.4	-	-	2	57.1
Lincoln	1	16.9	-	-	-	-	1	11.6	1	16.1
Madison	5	4.6	10	8.8	9	7.9	4	3.8	3	2.5
Minidoka	1	3.6	1	3.1	1	3.1	2	6.6	4	12.3
Nez Perce	3	6.6	3	6.4	2	4.3	3	6.2	1	2.1
Oneida	1	17.9	1	17.9	-	-	1	18.9	-	-
Owyhee	1	7.2	-	-	1	7.1	1	6.9	1	7.0
Payette	1	3.5	2	6.4	1	3.2	2	6.8	2	6.5
Power	-	-	1	8.8	2	17.5	1	7.7	-	-
Shoshone	2	12.3	-	-	-	-	2	12.5	-	-
Teton	-	-	-	-	-	-	-	-	-	-
Twin Falls	5	4.3	7	5.8	6	4.9	4	3.4	8	6.6
Valley	1	9.3	-	-	-	-	-	-	-	-
Washington	-	-	2	18.7	-	-	-	-	1	9.7

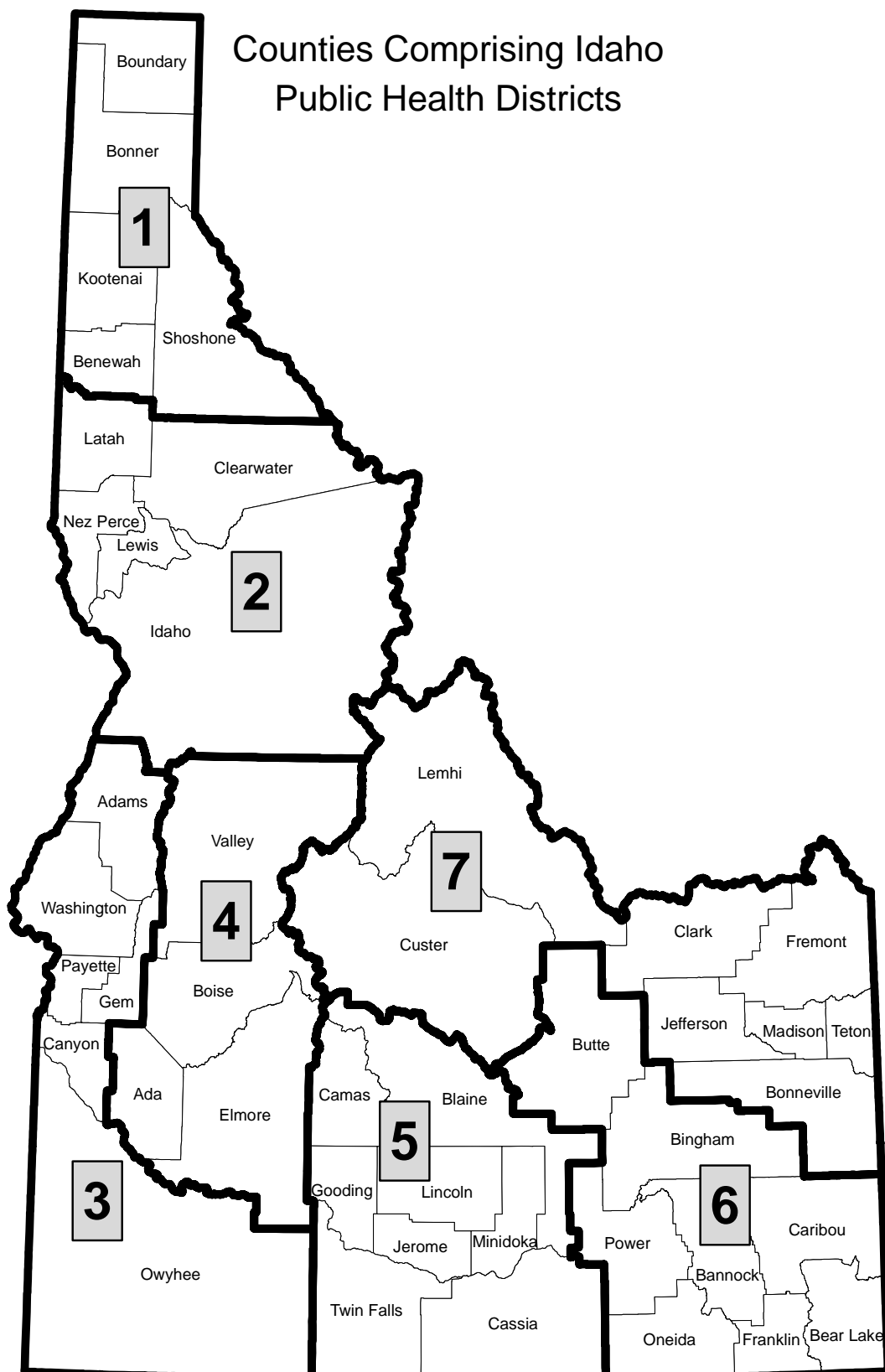
<sup>1</sup>Stillbirth ratios are stillbirths per 1,000 live births.

**IDAHO RESIDENT PERINATAL MORTALITY**  
**Number of Perinatal Deaths and Ratios<sup>1</sup>**  
**2014-2018**

RESIDENCE	2018		2017		2016		2015		2014	
	Number	Ratio	Number	Ratio	Number	Ratio	Number	Ratio	Number	Ratio
IDAHO	182	8.5	162	7.3	186	8.4	203	8.9	191	8.3
District 1	19	7.5	10	3.9	22	8.5	20	7.5	26	9.9
District 2	14	12.8	8	6.8	14	11.9	14	11.5	10	8.5
District 3	38	10.3	41	10.7	36	9.4	42	10.6	37	9.2
District 4	38	7.0	31	5.7	33	6.0	49	8.6	39	6.8
District 5	23	8.8	20	7.2	24	8.7	23	8.3	32	11.5
District 6	25	11.1	19	8.0	27	11.4	22	8.6	16	6.2
District 7	25	6.6	33	8.4	30	7.6	33	8.3	31	7.8
Ada	32	6.6	26	5.4	28	5.8	45	8.8	38	7.4
Adams	-	-	-	-	-	-	-	-	-	-
Bannock	16	14.4	6	5.0	13	10.9	11	8.7	10	7.6
Bear Lake	-	-	1	12.0	1	12.0	-	-	-	-
Benewah	1	10.9	-	-	1	10.3	3	26.1	3	28.0
Bingham	8	13.6	7	11.6	5	8.3	8	10.9	3	4.4
Blaine	-	-	1	5.3	-	-	2	8.4	1	4.5
Boise	1	21.3	1	16.4	1	16.4	2	48.8	-	-
Bonner	1	2.5	5	11.8	5	11.8	3	7.9	7	16.2
Bonneville	16	8.8	13	6.9	14	7.5	22	11.2	22	11.7
Boundary	5	32.5	-	-	1	8.3	2	14.0	2	15.2
Butte	-	-	-	-	1	30.3	-	-	-	-
Camas	-	-	-	-	-	-	-	-	-	-
Canyon	31	10.6	29	9.5	30	9.8	34	10.7	30	9.3
Caribou	-	-	2	21.1	1	10.5	-	-	1	12.0
Cassia	6	15.9	3	7.7	3	7.7	6	17.4	5	13.4
Clark	-	-	-	-	-	-	-	-	-	-
Clearwater	1	15.4	-	-	1	14.5	1	17.9	1	17.2
Custer	-	-	-	-	-	-	-	-	1	23.8
Elmore	4	9.6	4	8.5	4	8.5	2	4.6	1	2.0
Franklin	-	-	1	5.2	3	15.7	1	5.1	1	5.7
Fremont	-	-	1	5.7	1	5.7	3	17.2	-	-
Gem	3	15.5	2	10.3	2	10.3	2	9.3	3	15.6
Gooding	1	5.5	1	5.1	4	20.3	3	14.9	2	9.9
Idaho	2	13.9	2	12.7	2	12.7	2	11.9	3	19.0
Jefferson	3	6.8	5	10.1	1	2.0	2	4.1	1	2.2
Jerome	3	8.0	-	-	9	24.7	1	2.4	8	20.8
Kootenai	10	5.8	5	2.8	14	7.7	10	5.4	13	7.2
Latah	6	15.3	2	4.4	8	17.8	7	15.0	2	4.5
Lemhi	-	-	1	12.8	-	-	-	-	3	46.2
Lewis	1	26.3	-	-	1	29.4	-	-	2	57.1
Lincoln	2	33.9	-	-	-	-	1	11.6	1	16.1
Madison	5	4.6	13	11.5	13	11.5	6	5.7	4	3.3
Minidoka	1	3.6	5	15.4	2	6.2	2	6.6	4	12.3
Nez Perce	4	8.8	4	8.6	2	4.3	4	8.3	2	4.2
Oneida	1	17.9	1	17.9	-	-	1	18.9	-	-
Owyhee	2	14.5	1	7.1	2	14.2	2	13.8	1	7.0
Payette	2	7.0	5	15.9	2	6.4	4	13.7	2	6.5
Power	-	-	1	8.8	3	26.3	1	7.7	1	6.7
Shoshone	2	12.3	-	-	1	7.0	2	12.5	1	6.7
Teton	1	8.0	-	-	1	6.8	-	-	-	-
Twin Falls	10	8.7	10	8.2	6	4.9	8	6.8	11	9.1
Valley	1	9.3	-	-	-	-	-	-	-	-
Washington	-	-	4	37.4	-	-	-	-	1	9.7

<sup>1</sup>Perinatal mortality ratios are stillbirths plus deaths of infants under 7 days of age per 1,000 live births.

# 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	Madison
				Minidoka	Oneida	Teton
				Twin Falls	Power	

## TECHNICAL NOTES- MORTALITY

### Race of Decedent

Idaho was one of the first states to adopt a new death certificate in 2003, which included the addition to select multiple races for the decedent. However, not all states adopted multiple race options in 2003. Beginning in 2003, Idaho Vital Statistics transmitted Idaho death records to the National Center for Health Statistics (NCHS), NCHS re-coded decedents with multiple race categories to single (bridged) race codes, then returned the records to Idaho for analysis. The categories for the bridged race codes are the four categories used by NCHS- White, Black, American Indian or Alaska Native, Asian or Pacific Islander. In addition, Idaho has a fifth category- Other Race.

The bridging procedure is similar to the procedure used to bridge multiracial population estimates. Decedents of multiple race are assigned to a single race using a coding algorithm according to their combination of races, Hispanic origin, sex, and age indicated on the death certificate. The Center for Disease Control's website describes the procedure for converting multiple race categories to a bridged race code ([cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm](https://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm)). For Idaho residents who died in Idaho, mortality data by race are based on single race categories and, when multiple races were selected, bridged race codes. For Idaho residents who died out-of-state, mortality data by race are based on single race categories. Bridged race codes were not provided by NCHS to Idaho for out-of-state death certificates with multiple races selected. In 2018, this included seven Idaho resident deaths that occurred out-of-state. These residents were classified as Other Race/Multiple Race for data analysis.

**Number of Races Listed for Idaho Resident Deaths by Location of Death**

Year	Death Occurred in Idaho			Death Occurred Out-of-State		
	Total	Single Race	Multiple Race	Total	Single Race	Multiple Race
2016	12,748	12,687	61	622	619	3
2017	13,347	13,281	65	660	652	4
2018	13593	13493	80	670	659	7

### Other Race

Prior to 2003, the decedent's race was a write-in response on the Idaho death certificate. Races listed on the certificate were collapsed into five race categories: White, Black, American Indian or Alaska Native, Asian or Pacific Islander, or Other Race. With the change to check boxes on the certificates and the ability to select one or more race, the race category structure was revised. Prior to use of check boxes, if the term "Hispanic" or "Mexican" was written on the certificate as race, then race was coded to White. Beginning in 2003, if the Other Race checkbox was checked and the write-in for Other Race was specified as "Hispanic" or "Mexican", then race was coded to Other Race. Therefore, race data for deaths in 2003 and after are not comparable with race data prior to 2003. Data for White, Non-Hispanic persons are available upon request; these data are comparable for years prior to 2003 to present.

Prior to 2003, few deaths were categorized as Other Race. For example, in 2002, there were four residents' deaths reported as Other Race. Due to the change in the death certificate and the methodology for coding race, the number of records with Other Race was 70 in 2016, 101 in 2017, and 70 in 2018.

**Causes of Death** Mortality statistics are compiled in accordance with the World Health Organization (WHO) regulations, which specify that member nations, including the U.S., 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 U.S. beginning with deaths occurring in 1999 and replaced 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 calculated using the direct method:

1. Calculate **age-specific rates** for the 11 age groups used in the 2000 standard million (< 1, 1-4, 5-14, 15-24, 25-34, 35-44, 45-54, 55-64, 65-74, 75-84, and 85 and older):

$$\frac{\text{deaths in age group}}{\text{population of age group}}$$

2. Calculate **expected number of deaths** for each age group:

$$2000 \text{ U.S. standard million population of age group } \times \text{ age-specific rate}$$

3. Calculate **total expected number of deaths**: sum expected deaths for all age groups
4. Calculate **age-adjusted rate per 100,000 persons**:

$\frac{\text{total expected deaths}}{\text{standard million}} \times 100,000$		<b>2000 U.S. Standard Population</b>	
		Age	Population
		Total	1,000,000
		<1	13,818
		1-4	55,317
		5-14	145,565
		15-24	138,646
		25-34	135,573
		35-44	162,613
		45-54	134,834
		55-64	87,247
		65-74	66,037
		75-84	44,842
		85 and older	15,508

**Life Expectancy** Data used to calculate Idaho life expectancy are based on July 1, 2018 population estimates from the U.S. Census Bureau, age-specific population estimates computed by the Bureau of Vital Records and Health Statistics, and 2016 Idaho resident mortality rates. Average number of years of life remaining ( ${}^0e_x$ ) is the expectation of life for those who survived to age  $x$ .

$${}^0e_x = T_x / l_x$$

$T_x$  is the total time lived beyond age  $x$  by all individuals of the life table proportion alive at age  $x$ ;  $l_x$  is the number of persons who survive to the exact age marking the beginning of each age interval. The number alive at age 0 ( $l_0$ ) is taken arbitrarily as 100,000.

**Years of Potential Life Lost (YPLL)**

Years of potential life lost (YPLL) is a statistic used to measure the number of years of life lost in a population when persons in that population die prematurely. For this report, a standard of 75 years of age was chosen to calculate YPLL. YPLL provides valuable information regarding the causes of death that contribute most significantly to premature mortality. Persons dying at 75 years of age or older are excluded from the analysis, because they have not lost years of life relative to the standard.

For example, in 2018, Accidents was the fourth-leading cause of death of Idahoans and accounted for 6.2% of all resident deaths. However, Accidents was the leading cause of premature death under age 75 and accounted for 10.1% of all deaths to persons under the age of 75 in 2018. In order to calculate YPLL, a standard must be chosen (e.g., age 75) as a reference point for years of life lost. The number of years of life lost is then calculated for each person dying before the standard age. Assume a standard of 75 years of age is chosen. For calculation purposes, all people are considered half way through the year of their age at death. For example, an infant who dies under one year of age is considered 0.5 years of age at death, and a child who dies at age one-between its first and second birthday- is considered 1.5 years of age, and so forth. Therefore, a person dying at 39 has lost 35.5 years of life relative to the standard (i.e., 75 years – 39.5 years = 35.5 years). To obtain YPLL, the number of years of life lost for each person in the population dying before the standard age is summed.

**Alcohol-Induced, Drug-Induced, and Firearm Injury Deaths** Deaths attributed to firearm injury, alcohol-induced, and drug-induced causes are subsets of mortality categories used to rank leading causes of death such as accidents, intentional self-harm (suicide), and assault (homicide). Firearm injury, alcohol-induced, and drug-induced deaths are not used to rank leading cause of death.

**Alcohol-Induced** The list of ICD-10 codes included in alcohol-induced causes was expanded in 2003 to include the ICD-10 codes of E24.4, G72.1, and K86.0 with the codes used prior to 2003: F10, G31.2, G62.1, I42.6, K29.2, K70, R78.0, X45, X65, and Y15. In 2006, the list was expanded again to include ICD-10 code K85.2. Alcohol-induced deaths include mental and behavioral disorders due to alcohol use; degeneration of nervous system due to alcohol; alcoholic polyneuropathy; alcoholic cardiomyopathy; alcoholic gastritis; alcoholic liver disease; alcohol-induced chronic pancreatitis; alcohol-induced acute pancreatitis; findings of alcohol in blood; accidental poisoning by and exposure to alcohol; intentional self-poisoning (suicide) by exposure to alcohol; poisoning by exposure to alcohol; and poisoning by exposure to alcohol, undetermined intent. Alcohol-induced deaths do not include homicides, accidents such as falls and motor vehicle crashes, and other causes indirectly related to alcohol use. This category also excludes newborn deaths associated with maternal alcohol use.

**Firearm Injury** Firearm injury ICD-10 codes include W32-W34, X72-X74, X93-X95, Y22-Y24, and Y35.0. Firearm injury deaths include deaths due to accidental (unintentional injury), intentional self-harm (suicide), legal intervention, or assault (homicide) via firearm discharge, as well as firearm discharge where the intent could not be determined.

<b>Drug-Induced</b>	In 2003 and 2006, NCHS expanded the list of ICD-10 codes for drug-induced causes to be more comprehensive. Drug-induced ICD-10 codes include: D52.1, D59.0, D59.2, D61.1, D64.2, E06.4, E16.0, E23.1, E24.2, E27.3, E66.1, F11.0-F11.5, F11.7-F11.9, F12.0-F12.5, F12.7-F12.9, F13.0-F13.5, F13.7-F13.9, F14.0-F14.5, F14.7-F14.9, F15.0-F15.5, F15.7-F15.9, F16.0- F16.5, F16.7-F16.9, F17.0, F17.3-F17.5, F17.7-F17.9, F18.0-F18.5, F18.7-F18.9, F19.0-F19.5, F19.7-F19.9, G21.1, G24.0, G25.1, G25.4, G25.6, G44.4, G62.0, G72.0, I95.2, J70.2-J70.4, K85.3, L10.5, L27.0, L27.1, M10.2, M32.0, M80.4, M81.4, M83.5, M87.1, R50.2, R78.1- R78.5, X40-X44, X60-X64, X85, and Y10-Y14. Drug-induced deaths include deaths due to drug psychosis; drug dependence; nondependent use of drugs not including alcohol and tobacco; drug-induced pancreatitis; drug-induced fever; accidental poisoning by drugs, medicaments, and biologicals; suicide by drugs, medicaments, and biologicals; assault from poisoning by drugs and medicaments; and poisoning by drugs, medicaments, and biologicals, undetermined whether accidental or purposely inflicted. Drug-induced deaths do not include accidents, homicides, and other causes indirectly related to drug use. Also excluded are newborn deaths associated with maternal drug use. Types of drugs listed on the death certificate include prescriptions, over-the-counter drugs, and illegal drugs.
<b>Drug overdose</b>	Drug overdose deaths are defined in this report as accidental poisoning by drugs, medicaments, and biologicals; suicide by drugs, medicaments, and biologicals; assault from poisoning by drugs and medicaments; and poisoning by drugs, medicaments, and biologicals, undetermined whether accidental or purposely inflicted. Drug overdose ICD-10 codes are: X40-X44, X60-X64, X85, and Y10-Y14.
<b>Accidental drug overdose</b>	Accidental drug overdose deaths are defined in this report as accidental poisoning by drugs, medicaments, and biologicals. Accidental drug overdose ICD-10 codes are: X40-X44.

## Population

<b>Race</b>	<p>The Office of Management and Budget announced revisions to the standards for classification of federal data on race and ethnicity on October 30, 1997. These standards require that agencies offer individuals the opportunity to select one or more races when reporting information on race in federal data collections. The Census in 2000 was the first nationwide implementation of the revised standards.</p> <p>The files released from the U.S. Census Bureau for April 1, 2010 Census contain data for single race categories (including Other Race category) and a Multiple Race category. This presents problems for vital rates from two standpoints. First, the file contains counts of persons with more than one race and therefore is not compatible with states' vital statistics numerators based on single race categories; second, the file contains the Other Race category that is not used to calculate national vital statistics rates. For national vital statistics, Other Race is assigned to one of the four main race categories.</p>
-------------	---

Standard Race Categories on April 1, 2010 Census for Idaho		
Race	Number	%
Total	1,567,582	100.0%
White	1,396,487	89.1%
Black	9,810	0.6%
American Indian/Alaska Native	21,441	1.4%
Asian	19,069	1.2%
Native Hawaiian/Pacific Islander	2,317	0.1%
Other Race	79,523	5.1%
Multiple Race	38,935	2.5%

NCHS contracted with the Census Bureau to produce a bridged data set in which all multiple race persons are allocated to a single race, to reproduce what these people would have reported had they not had the option to report more than one race. In June 2019, NCHS released state and county population totals for July 1, 2018. These totals are for the four race groups (White, Black, American Indian or Alaska Native, Asian or Pacific Islander) by single year of age, sex, and Hispanic origin.<sup>1</sup>

#### Race Categories for Idaho

Race	April 1, 2010		July 1, 2016		July 1, 2017		July 1, 2018	
	Number	%	Number	%	Number	%	Number	%
Total	1,567,582	100.0%	1,683,140	100.0%	1,716,943	100.0%	1,754,208	100.0%
White	1,496,784	95.5%	1,596,443	94.8%	1,626,437	94.7%	1,660,028	94.6%
Black	15,104	1.0%	20,021	1.2%	21,230	1.2%	22,301	1.3%
American Indian/ Alaska Native	29,801	1.9%	34,218	2.0%	34,832	2.0%	35,530	2.0%
Asian/Pacific Islander	25,893	1.7%	32,458	1.9%	34,444	2.0%	36,349	2.1%

<sup>1</sup>The bridged-race population estimates were produced by the Population Estimates Program of the U.S. Census Bureau in collaboration with the National Center for Health Statistics (NCHS). These estimates were released on June 25, 2019. Available at: [http://cdc.gov/nchs/nvss/bridged\\_race/data\\_documentation.htm](http://cdc.gov/nchs/nvss/bridged_race/data_documentation.htm)

Costs associated with this publication are available from Idaho Department of Health and Welfare  
HW-1206 February 2020