

# Idaho Vital Statistics Suicide Report

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Five-Year Aggregate Data  
2007-2011

Idaho Department of Health and Welfare  
Bureau of Vital Records and Health Statistics  
February 2013



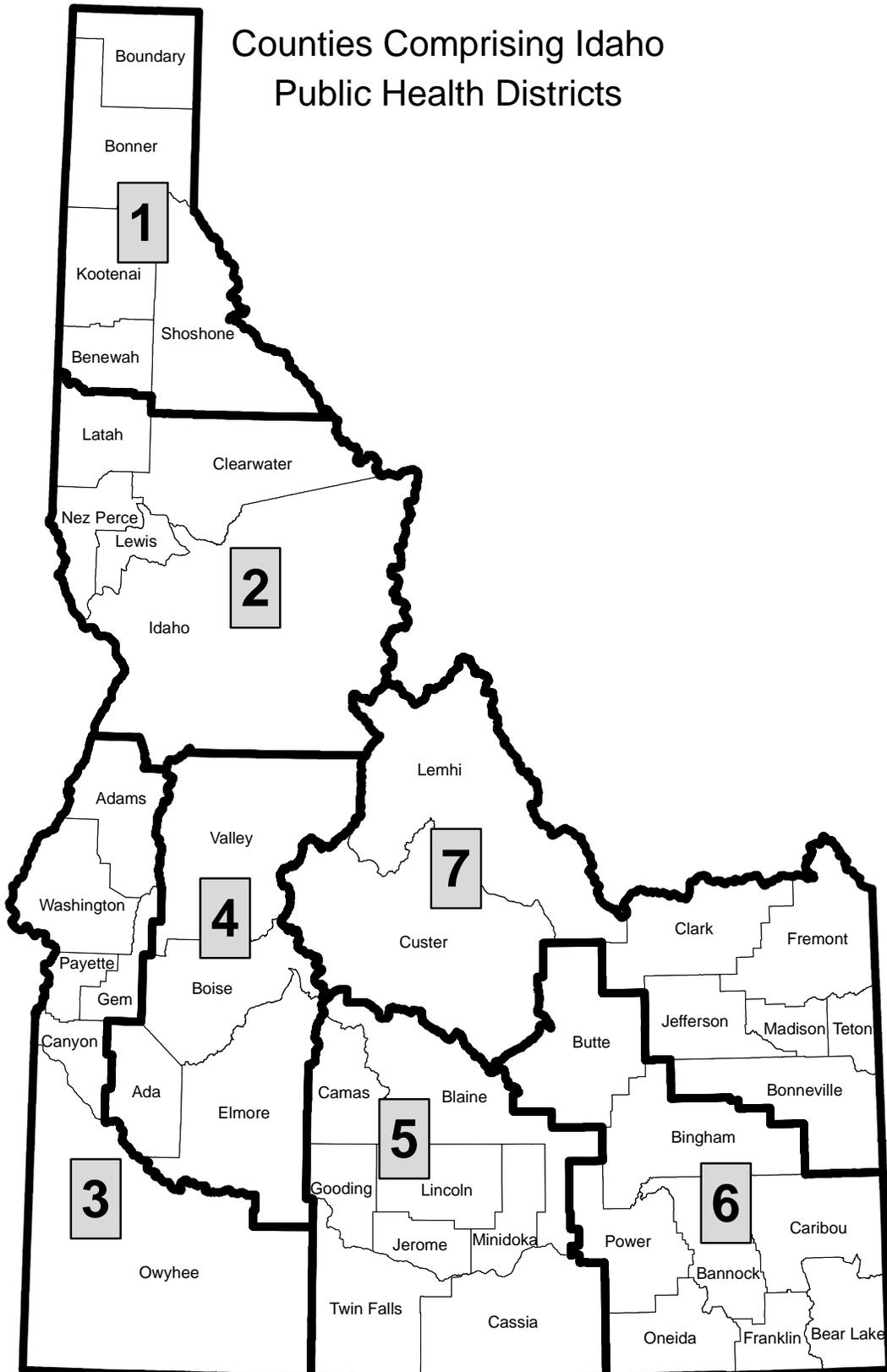
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# Counties Comprising Idaho Public Health Districts



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

## PURPOSE

The purpose of this report is to provide a comprehensive view of Intentional self-harm (suicide) deaths occurring to Idaho residents. The tenth revision of the International Classification of Diseases (ICD-10) codes is used to compile and classify causes of death, according to the World Health Organization (WHO) regulations. Resident suicide deaths include all deaths where suicide was listed as an underlying cause of death, regardless of where the death occurred. The Idaho Bureau of Vital Records and Health Statistics does receive death records for those Idaho resident deaths that occur out of state. These records provide the ICD-10 code for underlying cause of death. While the ICD-10 codes for suicide indicate some injury mechanism information, out-of-state records do not provide literal information on immediate cause, conditions leading to the immediate cause, underlying cause, other significant contributing conditions, and descriptions of how the injury occurred are not provided to the Idaho Bureau of Vital Records and Health Statistics.

The number of Idaho resident deaths due to suicide decreased 2.1 percent from 290 deaths in 2010 to 284 deaths in 2011. The death rate decreased to 17.9 per 100,000 for Idaho residents, down from 18.5 in 2010. There were 38,364 deaths due to suicide in the United States in 2010 (latest year available), which was 1,455 (3.9 percent) more deaths than the 36,909 in 2009. The 2010 U.S. crude suicide death rate was 12.4 deaths per 100,000 population compared with 12.0 in 2009.

Idaho mortality rates are generally higher than those of the U.S. for suicide. In 2011, suicide ranked eighth in Idaho, while it ranked tenth in the U.S. in 2010.

For the aggregate period 2007-2011, there were 1,352 Idaho resident deaths due to suicide. The crude rate for this period was 17.5 per 100,000 population, and the age-adjusted rate was 17.9 per 100,000 population (see Map 1 on page 3 for county age-adjusted rates).

## HIGHLIGHTS: IDAHO RESIDENTS, FIVE-YEAR AGGREGATE: 2007-2011

### GENDER/AGE GROUP:

- Suicide was the underlying cause of death for 1,083 males and 269 females.
- The age-adjusted rate for males (28.9 per 100,000 males) was 4.0 times greater than the age-adjusted rate for females (7.2 per 100,000 females).
- The median age for suicides by gender was:
  - Age 47 for males
  - Age 44 for females
- The highest age-specific rates for males and females were:
  - Males 85+ (74.6 per 100,000 males)
  - Females 35-44 (14.2 per 100,000 females)

### DISTRICT:

- The district with the highest age-adjusted suicide rate was District 1 with 20.8 deaths per 100,000 population (233 deaths).
- The district with the lowest age-adjusted suicide rate was District 4 with 15.2 deaths per 100,000 population (328 deaths).

### COUNTY:

- The county with the highest age-adjusted suicide rate was Clark County with 81.3 deaths per 100,000 population (3 deaths).
- The county with the lowest age-adjusted suicide rate was Madison County with 6.6 deaths per 100,000 population (8 deaths).
  - Caution must be exercised when attempting to draw conclusions from rates that are based on small numbers. It is recommended to show the number with the rate.

### RACE/ETHNICITY:

- While the greatest number of suicide deaths occurred among the non-Hispanic white population (1,010 deaths) the highest age-adjusted suicide rate occurred among the non-Hispanic black population with 28.4 deaths per 100,000 population (10 deaths)
- The lowest age-adjusted suicide rate occurred among the non-Hispanic Asian/Pacific Islander population, with 6.2 per 100,000 population (7 deaths).

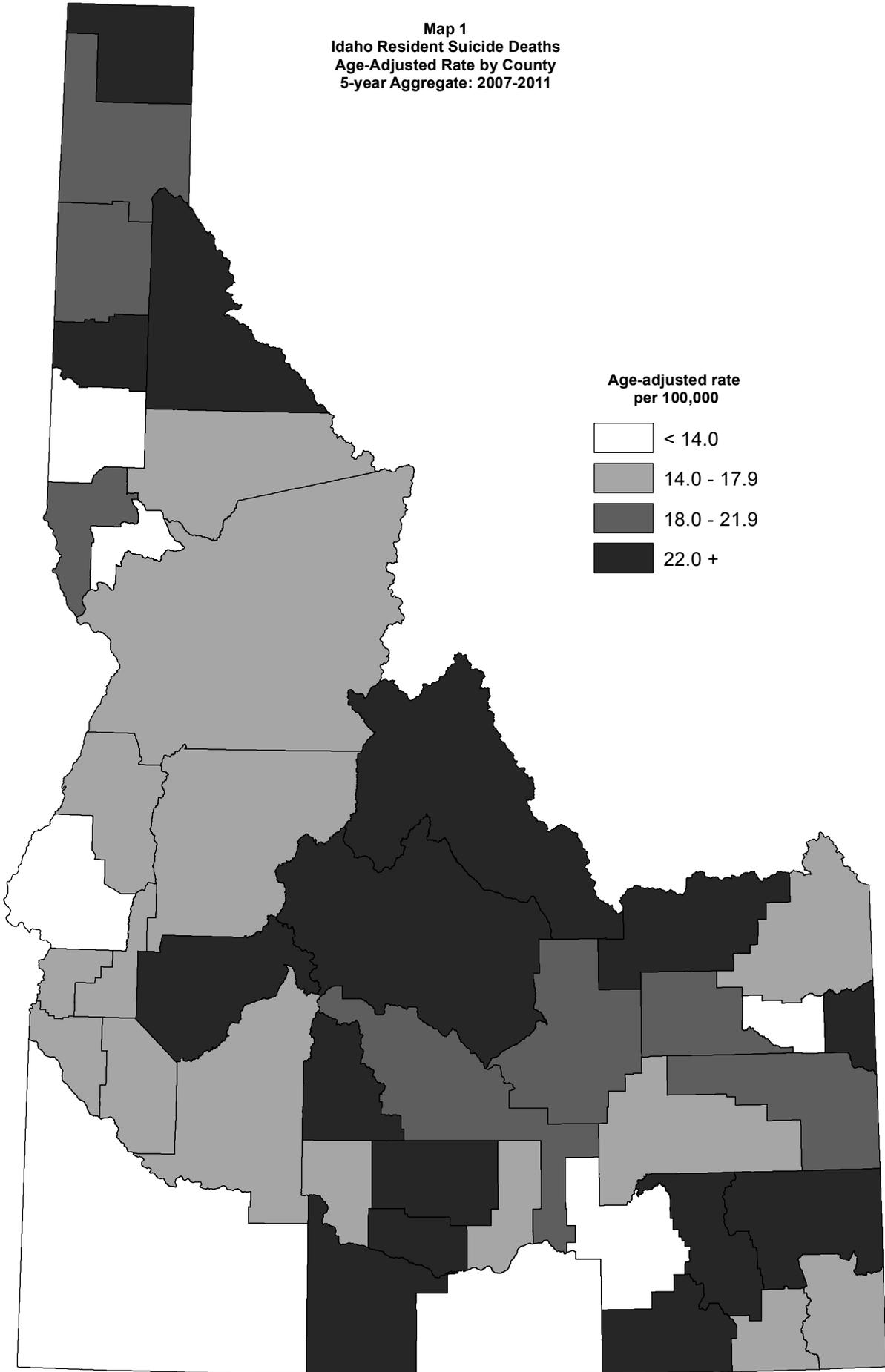
### MECHANISM:

- Of the 1,352 Idaho resident suicide deaths from 2007-2011, 821 (60.7 percent) involved a firearm.
- Firearms, poisoning, and hanging, strangulation and suffocation made up 95.5 percent of all Idaho resident suicide deaths.

### MILITARY STATUS:

- Among Idaho residents aged 18 and older, there were 1,294 suicide deaths. Of those deaths, 327 (25.3 percent) occurred to people who had ever been in U.S. Armed Forces.
- Suicide by firearms is more prevalent among people who had ever been in the military than those who had never been in the military. Firearms were involved in 75.2 percent of suicide deaths to adults aged 18 and older who ever served in U.S. Armed Forces and 55.7 percent of those who had never served in U.S. Armed Forces.
  - Military status is based on the following question on the death certificate: 'Ever in U.S. Armed Forces?'

**Map 1**  
**Idaho Resident Suicide Deaths**  
**Age-Adjusted Rate by County**  
**5-year Aggregate: 2007-2011**



**Table 1**  
**Idaho Resident Deaths**  
**Number and Rank in Leading Causes of Death for 2011**  
**2011, 2010, 2000, 1990, 1980, 1970**

CAUSE OF DEATH	YEAR OF DEATH					
	2011	2010	2000	1990	1980	1970
All Causes	11,990	11,411	9,535	7,387	6,762	6,145
Malignant neoplasms (cancer)	2,559 (1)	2,530 (1)	2,131 (2)	1,733 (2)	1,293 (2)	940 (2)
Diseases of heart	2,519 (2)	2,478 (2)	2,510 (1)	2,186 (1)	2,383 (1)	2,157 (1)
Chronic lower respiratory diseases	828 (3)	730 (3)	565 (4)	387 (5)	243 (5)	174 (6)
Accidents	693 (4)	647 (4)	516 (5)	477 (4)	579 (3)	584 (4)
Cerebrovascular diseases	624 (5)	641 (5)	713 (3)	544 (3)	568 (4)	638 (3)
Alzheimer's disease	409 (6)	415 (6)	262 (8)	79 (9)	*	*
Diabetes mellitus	382 (7)	352 (7)	302 (6)	172 (8)	112 (8)	130 (9)
Intentional self-harm (suicide)	284 (8)	290 (8)	166 (9)	190 (7)	128 (7)	112 (10)
Influenza and Pneumonia	219 (9)	215 (9)	286 (7)	305 (6)	211 (6)	207 (5)
Chronic liver disease and cirrhosis	173 (10)	152	113 (10)	54	76	*
All other causes	3,300	2,961	1,971	1,260	1,169	1,203

\* Data not available or not comparable.

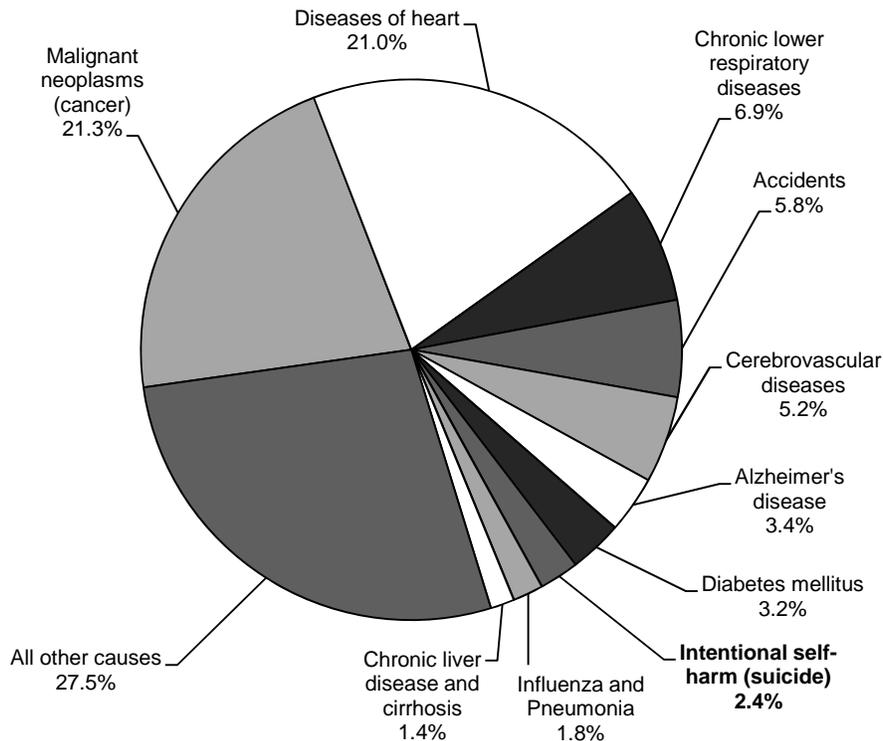
Leading causes of death are based on the top 10 causes of death for the most recent year.

2011, 2010, and 2000 data based on the International Classification of Diseases, Tenth revision. 1990 and 1980 data are based on the International Classification of Diseases, Ninth revision. 1970 data based on the International Classification of Diseases, Eighth Revision.

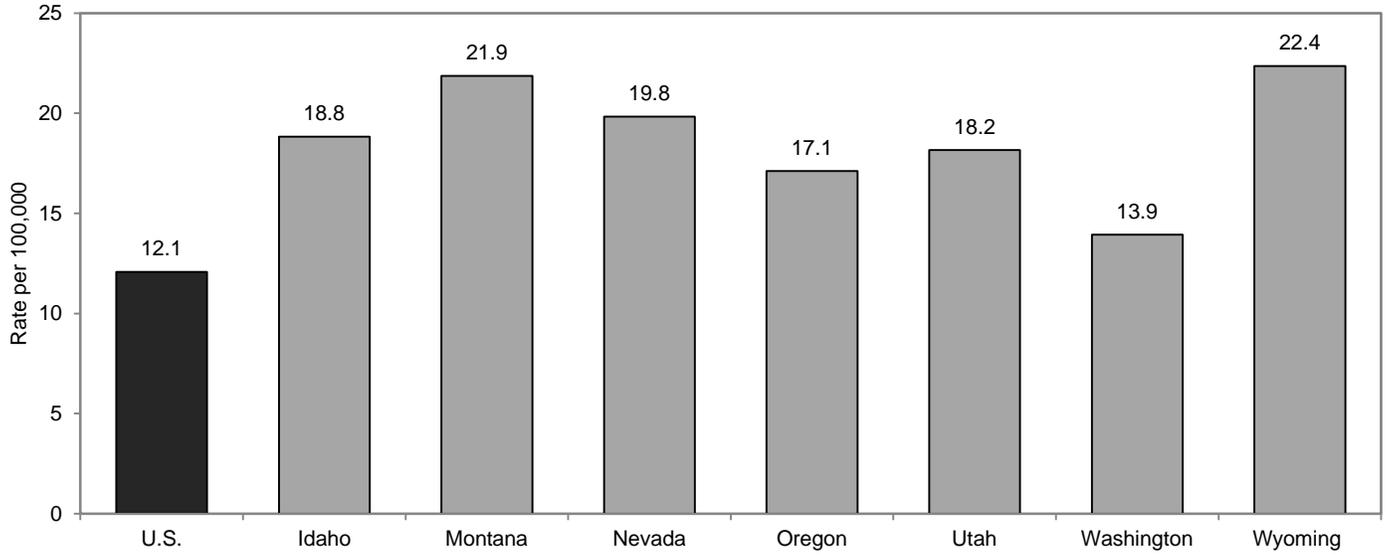
Numbers enclosed in parenthesis denote cause of death rank for that year. Those years with rank missing represent a leading cause of death for that year that is not in the top 10 causes of death for that year.

Data may differ from previous publications due to updates in the database.

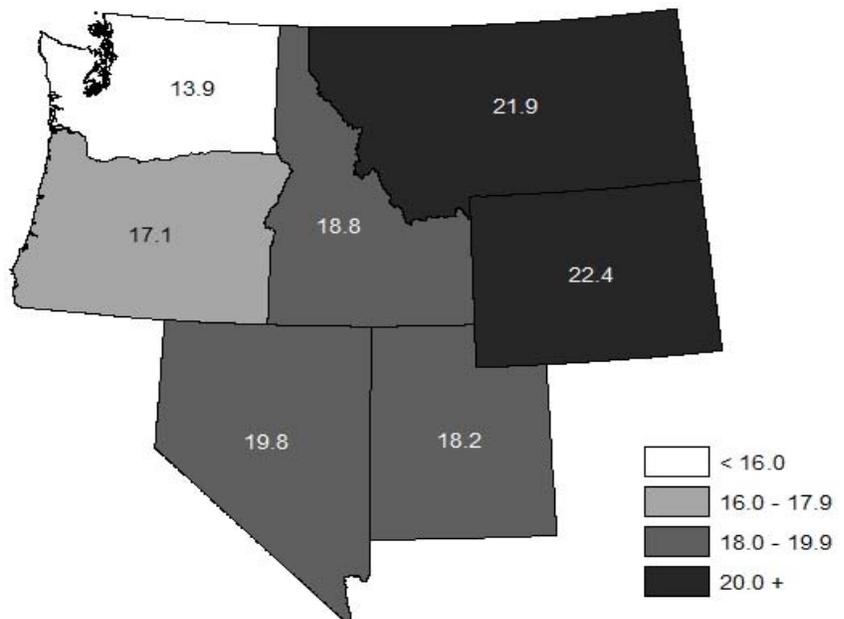
**Chart 1**  
**Idaho Resident Deaths**  
**Percentage of All Deaths by Leading Cause of Death**  
**2011**



**Chart 2**  
**Suicide Deaths**  
**Age-Adjusted Mortality Rate for Idaho and Surrounding States**  
**2010**



**Map 2**  
**Suicide Deaths**  
**Age-Adjusted Mortality Rate for Idaho and Surrounding States**  
**2010**



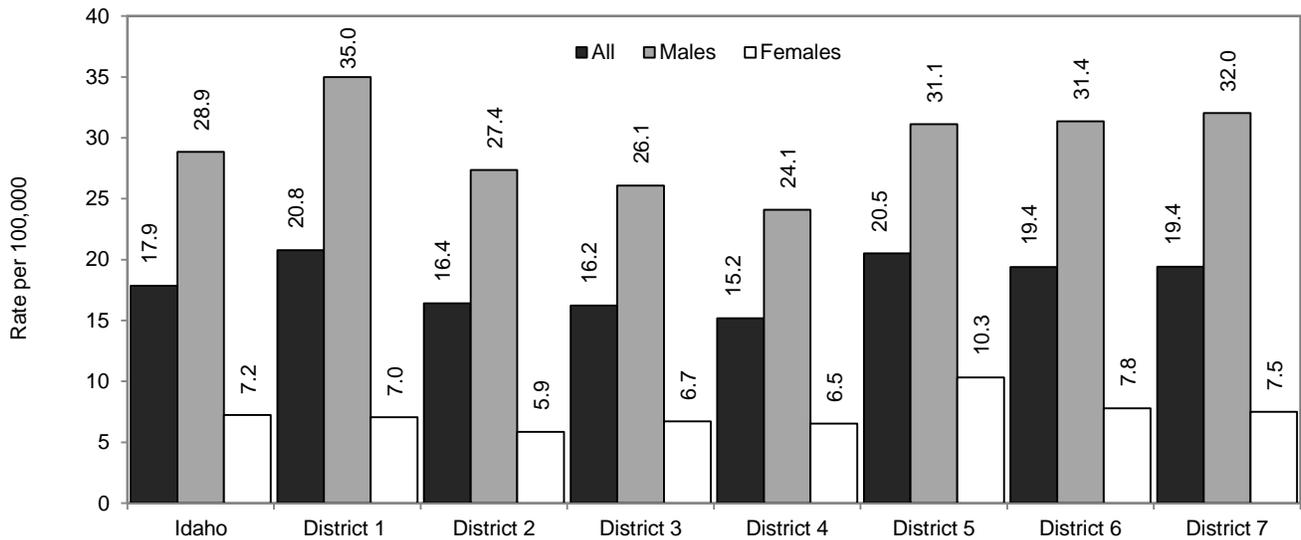
Note: 2010 U.S. data are the latest available. Data source for states other than Idaho: Latest state data available from Centers for Disease Control and Prevention, WISQARS online database, [www.cdc.gov/injury/wisqars/index.html](http://www.cdc.gov/injury/wisqars/index.html).

**Table 2**  
**Idaho Resident Suicide Deaths**  
**Number and Age-Adjusted Rate by Gender and District of Residence**  
**Five-Year Aggregate: 2007-2011**

GENDER		TOTAL	DISTRICT OF RESIDENCE						
			1	2	3	4	5	6	7
All	Total, Both Genders	1,352	233	88	192	328	176	154	181
	Age-Adjusted Rate	17.9	20.8	16.4	16.2	15.2	20.5	19.4	19.4
Male	Total, Males	1,083	193	73	153	257	135	125	147
	Age-Adjusted Rate	28.9	35.0	27.4	26.1	24.1	31.1	31.4	32.0
Female	Total, Females	269	40	15	39	71	41	29	34
	Age-Adjusted Rate	7.2	7.0	5.9	6.7	6.5	10.3	7.8	7.5

Note: The reader is cautioned that rates based on small numbers (< 20 events) are considered unstable; caution must be exercised when attempting to draw conclusions from small databases. It is advised to show the number of deaths with the rate.

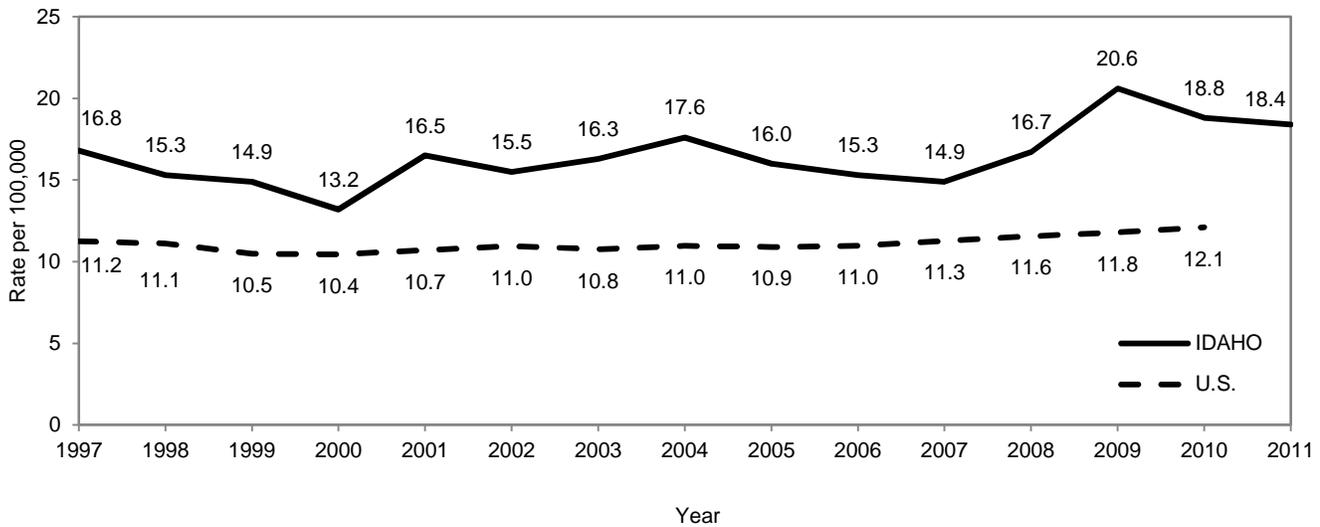
**Chart 3**  
**Idaho Resident Suicide Deaths**  
**Age-Adjusted Rate by Gender and District of Residence**  
**Five-Year Aggregate: 2007-2011**



**Table 3**  
**Idaho and U.S. Resident Suicide Deaths**  
**Number of Deaths, Crude, and Age-Adjusted Rate**  
**Annual Percentage Change to Age-Adjusted Rates**  
**1997-2011**

YEAR	IDAHO				U.S.			
	Number	Crude Rate	Age-Adjusted Rate	Percent Change	Number	Crude Rate	Age-Adjusted Rate	Percent Change
1997	210	17.4	16.8	NA	30,535	11.2	11.2	NA
1998	202	16.4	15.3	-8.9%	30,575	11.1	11.1	-1.1%
1999	180	14.4	14.9	-2.6%	29,199	10.5	10.5	-5.8%
2000	166	12.8	13.2	-11.4%	29,350	10.4	10.4	-0.4%
2001	213	16.1	16.5	25.0%	30,622	10.7	10.7	2.6%
2002	203	15.1	15.5	-6.1%	31,655	11.0	11.0	2.2%
2003	218	16.0	16.3	5.2%	31,484	10.8	10.8	-1.7%
2004	239	17.2	17.6	8.0%	32,439	11.1	11.0	2.0%
2005	225	15.7	16.0	-9.1%	32,637	11.0	10.9	-0.6%
2006	218	14.9	15.3	-4.4%	33,300	11.2	11.0	0.7%
2007	220	14.7	14.9	-2.6%	34,598	11.5	11.3	2.6%
2008	251	16.5	16.7	12.1%	36,035	11.8	11.6	2.6%
2009	307	19.9	20.6	23.4%	36,909	12.0	11.8	2.1%
2010	290	18.5	18.8	-8.7%	38,364	12.4	12.1	2.5%
2011	284	17.9	18.4	-2.1%	2010 is the latest year U.S. final data are available.			

**Chart 4**  
**Idaho and U.S. Resident Suicide Deaths**  
**Age-Adjusted Rate**  
**1997-2011**



Rate: number of deaths per 100,000 population.

Percent change: ((Current year age-adjusted rate - prior year age-adjusted rate)/(prior year age-adjusted rate))\*100.

ICD-10 codes for Intentional self-harm (suicide) used beginning in 1999: X60-X84,Y87.0

ICD-9 codes for Intentional self-harm (suicide) used from 1997-1998: 950-959.

Data may differ from previously published data due to updates in the death or population data base.

NA: not applicable; NC: no change.

U.S. source: NCHS Vital Statistics System for numbers of deaths. Bureau of Census for population estimates.

Idaho source: Bureau of Vital Records and Health Statistics; Idaho Department of Health and Welfare.

**Table 4**  
**Idaho Resident Suicide Deaths**  
**District and County of Residence by Age Group**  
**Five-Year Aggregate: 2007-2011**

RESIDENCE	TOTAL	AGE GROUP										
		AGE <25				25-34	35-44	45-54	55-64	65-74	75-84	85+
		Total	<15	15-18	19-24							
IDAHO	1,352	210	12	66	132	174	248	284	227	98	71	40
District 1	233	27	1	10	16	26	33	54	49	21	19	4
District 2	88	4	-	1	3	6	16	25	17	7	7	6
District 3	192	35	1	9	25	20	43	33	37	14	5	5
District 4	328	49	2	15	32	44	62	85	52	18	9	9
District 5	176	22	2	7	13	24	40	34	23	15	11	7
District 6	154	28	4	10	14	26	23	29	24	12	11	1
District 7	181	45	2	14	29	28	31	24	25	11	9	8
Ada	289	43	1	13	29	37	55	75	47	17	8	7
Adams	3	-	-	-	-	-	1	1	-	1	-	-
Bannock	86	10	2	1	7	18	13	16	15	8	6	-
Bear Lake	5	1	-	1	-	1	-	1	1	-	1	-
Benewah	9	1	-	-	1	3	2	3	-	-	-	-
Bingham	33	12	1	6	5	6	6	4	3	1	1	-
Blaine	21	3	-	2	1	3	6	2	3	2	2	-
Boise	8	-	-	-	-	2	2	3	1	-	-	-
Bonner	50	8	-	3	5	3	4	5	14	10	6	-
Bonneville	99	25	2	6	17	20	20	14	14	3	3	-
Boundary	16	2	-	1	1	2	2	6	3	1	-	-
Butte	4	-	-	-	-	-	-	1	1	1	1	-
Camas	3	1	-	-	1	-	-	1	1	-	-	-
Canyon	145	27	1	4	22	18	36	21	29	7	3	4
Caribou	8	1	-	-	1	1	2	2	1	-	1	-
Cassia	14	3	1	1	1	2	2	2	2	1	-	2
Clark	3	-	-	-	-	1	1	-	-	-	-	1
Clearwater	8	-	-	-	-	1	1	2	2	2	-	-
Custer	9	1	-	-	1	1	2	-	1	1	1	2
Elmore	23	5	1	1	3	4	4	4	3	-	1	2
Franklin	10	4	1	2	1	-	-	4	1	-	-	1
Fremont	9	3	-	1	2	-	1	2	2	1	-	-
Gem	13	2	-	1	1	1	2	2	5	-	1	-
Gooding	12	3	-	-	3	3	1	4	-	1	-	-
Idaho	15	-	-	-	-	-	2	5	4	1	1	2
Jefferson	23	6	-	2	4	4	4	3	2	3	-	1
Jerome	23	2	-	-	2	3	5	6	2	2	2	1
Kootenai	139	15	1	6	8	16	21	37	27	10	11	2
Latah	22	3	-	1	2	1	4	7	2	1	4	-
Lemhi	16	2	-	-	2	-	2	1	2	3	3	3
Lewis	2	-	-	-	-	-	-	1	-	-	-	1
Lincoln	7	-	-	-	-	-	3	1	3	-	-	-
Madison	8	2	-	2	-	-	-	3	1	-	1	1
Minidoka	15	-	-	-	-	1	5	4	2	2	1	-
Nez Perce	41	1	-	-	1	4	9	10	9	3	2	3
Oneida	4	-	-	-	-	-	2	1	-	1	-	-
Owyhee	7	1	-	1	-	-	1	3	-	2	-	-
Payette	17	4	-	3	1	1	2	4	2	3	1	-
Power	4	-	-	-	-	-	-	-	2	1	1	-
Shoshone	19	1	-	-	1	2	4	3	5	-	2	2
Teton	14	6	-	3	3	2	1	1	3	-	1	-
Twin Falls	81	10	1	4	5	12	18	14	10	7	6	4
Valley	8	1	-	1	-	1	1	3	1	1	-	-
Washington	7	1	-	-	1	-	1	2	1	1	-	1

**Table 5**  
**Idaho Resident Suicide Deaths**  
**Number and Death Rate by District and County of Residence**  
**1995-2011**

RESIDENCE	1995		1996		1997		1998		1999		2000	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
IDAHO	188	16.1	178	15.0	210	17.3	202	16.4	180	14.4	166	12.8
District 1	30	19.1	21	13.0	30	18.0	31	18.3	26	15.0	35	19.6
District 2	19	19.5	20	20.5	17	17.3	19	19.4	12	12.3	11	10.9
District 3	22	13.3	32	18.8	30	17.1	27	15.0	26	14.1	27	14.1
District 4	44	15.3	38	12.8	53	17.4	38	12.1	45	14.0	38	11.0
District 5	22	14.5	21	13.6	26	16.6	24	15.3	18	11.3	15	9.2
District 6	27	17.6	29	18.8	33	21.2	41	26.2	28	17.8	17	10.8
District 7	24	15.8	17	11.1	21	13.6	22	14.1	25	15.9	23	14.4
Ada	37	14.7	33	12.7	49	18.4	32	11.6	39	13.8	32	10.6
Adams	-	-	3	77.1	2	52.7	-	-	1	26.4	1	28.8
Bannock	16	21.9	10	13.6	19	25.7	24	32.3	14	18.7	5	6.6
Bear Lake	1	15.2	2	30.8	2	30.6	2	30.7	4	61.0	3	46.8
Benewah	1	11.4	2	22.4	4	44.5	-	-	1	11.0	1	10.9
Bingham	4	9.8	5	12.1	6	14.5	9	21.5	8	19.0	5	12.0
Blaine	3	18.2	2	11.8	4	23.3	4	23.3	4	23.1	-	-
Boise	-	-	-	-	2	39.7	1	19.5	1	18.8	1	15.0
Bonner	7	21.2	6	17.7	4	11.5	11	31.1	7	19.4	9	24.4
Bonneville	15	18.9	12	15.1	16	20.0	8	9.9	15	18.4	9	10.9
Boundary	1	10.4	1	10.2	1	10.2	1	10.2	2	20.0	6	60.8
Butte	1	32.4	1	32.2	1	32.3	3	98.7	-	-	1	34.5
Camas	-	-	-	-	-	-	-	-	-	-	-	-
Canyon	13	11.9	20	17.8	16	13.7	14	11.6	19	15.3	19	14.5
Caribou	2	27.4	4	54.3	2	27.4	-	-	1	13.7	1	13.7
Cassia	2	9.5	7	32.8	4	18.7	3	14.1	3	13.9	1	4.7
Clark	1	120.8	-	-	-	-	1	112.5	1	109.5	-	-
Clearwater	-	-	2	21.2	1	10.6	1	10.7	-	-	-	-
Custer	2	47.1	-	-	-	-	-	-	1	24.5	1	23.0
Elmore	5	21.4	3	12.7	1	4.1	2	7.9	3	11.7	4	13.7
Franklin	-	-	2	19.0	2	18.5	2	18.0	-	-	1	8.8
Fremont	1	8.6	3	26.0	-	-	3	25.1	2	16.8	3	25.4
Gem	1	7.2	-	-	1	6.9	6	40.4	2	13.2	1	6.6
Gooding	1	7.8	1	7.5	2	14.7	2	14.6	1	7.3	-	-
Idaho	4	27.0	5	33.6	2	13.3	3	20.0	2	13.3	2	12.9
Jefferson	2	10.7	2	10.5	3	15.7	1	5.1	1	5.0	4	20.9
Jerome	3	17.7	3	17.3	1	5.7	2	11.1	3	16.6	3	16.4
Kootenai	16	17.4	8	8.4	19	19.2	16	15.8	15	14.3	15	13.8
Latah	3	9.1	4	12.2	8	24.1	3	9.2	2	6.2	-	-
Lemhi	2	25.0	-	-	1	12.4	4	49.7	2	25.1	3	38.4
Lewis	1	25.2	-	-	-	-	1	25.0	-	-	2	53.4
Lincoln	1	27.0	1	26.6	-	-	1	26.5	2	52.1	-	-
Madison	-	-	-	-	1	4.0	3	11.9	1	4.0	-	-
Minidoka	1	4.8	3	14.6	5	24.4	3	14.8	2	9.9	1	5.0
Nez Perce	11	30.2	9	24.6	6	16.3	11	29.9	8	21.7	7	18.7
Oneida	1	26.1	2	51.6	-	-	1	24.8	-	-	1	24.2
Owyhee	1	10.5	4	40.7	3	29.7	2	19.5	1	9.6	3	28.2
Payette	7	35.9	5	25.2	4	19.8	3	14.7	3	14.4	3	14.6
Power	2	24.7	3	36.8	1	12.2	-	-	1	11.9	-	-
Shoshone	5	35.6	4	28.6	2	14.3	3	21.6	1	7.3	4	29.0
Teton	1	20.8	-	-	-	-	2	36.4	2	35.0	3	50.0
Twin Falls	11	18.6	4	6.6	10	16.3	9	14.5	3	4.8	10	15.6
Valley	2	25.6	2	25.1	1	12.4	3	37.5	2	25.5	1	13.1
Washington	-	-	-	-	4	39.8	2	19.6	-	-	-	-

Rate: Crude rate per 100,000 population

**Table 5 (continued)**  
**Idaho Resident Suicide Deaths**  
**Number and Death Rate by District and County of Residence**  
**1995-2011**

RESIDENCE	2001		2002		2003		2004		2005		2006	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
IDAHO	213	16.1	203	15.1	218	16.0	239	17.2	225	15.7	218	14.9
District 1	45	24.7	38	20.6	28	14.8	32	16.5	46	22.8	41	19.9
District 2	26	26.2	24	24.0	21	20.9	17	16.9	17	16.9	20	19.8
District 3	29	14.5	19	9.2	26	12.2	43	19.5	30	13.2	38	16.0
District 4	47	13.2	52	14.3	57	15.4	62	16.5	47	12.1	55	13.6
District 5	30	18.3	33	20.0	31	18.5	25	14.8	26	15.2	26	15.0
District 6	17	10.8	27	17.1	27	17.1	31	19.5	25	15.4	19	11.7
District 7	19	11.7	10	6.1	28	16.6	29	16.7	34	19.2	19	10.5
Ada	41	13.1	50	15.6	49	15.1	53	15.9	39	11.3	48	13.4
Adams	1	29.2	-	-	-	-	-	-	1	27.8	1	28.7
Bannock	10	13.3	15	19.8	10	13.2	15	19.8	10	12.8	4	5.1
Bear Lake	2	31.5	1	15.7	5	79.3	-	-	2	32.4	-	-
Benewah	5	55.6	2	22.2	1	11.1	-	-	1	10.8	1	10.7
Bingham	5	11.8	9	21.2	9	21.0	11	25.5	10	22.9	8	18.2
Blaine	4	20.2	3	14.7	6	28.9	4	19.0	5	23.6	1	4.7
Boise	-	-	-	-	1	13.8	-	-	2	26.5	1	13.1
Bonner	10	26.7	6	15.7	7	17.9	6	15.0	6	14.7	12	29.1
Bonneville	7	8.4	5	5.9	14	16.1	15	16.7	22	24.0	12	12.7
Boundary	1	10.1	4	39.7	4	39.3	2	19.2	3	28.3	3	27.7
Butte	-	-	-	-	1	34.8	1	35.2	-	-	1	36.0
Camas	-	-	-	-	-	-	-	-	-	-	-	-
Canyon	21	15.0	11	7.6	18	11.9	30	19.0	18	10.9	25	14.4
Caribou	-	-	1	13.7	-	-	-	-	2	28.0	2	28.6
Cassia	2	9.3	7	32.2	6	27.8	2	9.3	2	9.4	1	4.7
Clark	1	103.0	-	-	-	-	-	-	-	-	-	-
Clearwater	1	11.7	3	35.5	2	23.8	-	-	-	-	2	24.0
Custer	2	46.6	-	-	-	-	2	48.6	1	24.5	1	23.9
Elmore	4	13.7	-	-	5	17.3	5	17.3	3	10.5	5	17.8
Franklin	-	-	-	-	1	8.4	1	8.2	-	-	3	24.0
Fremont	1	8.5	1	8.4	1	8.3	1	8.2	3	24.5	1	8.1
Gem	2	12.9	2	12.9	3	19.0	3	18.8	5	30.7	3	18.1
Gooding	3	21.1	4	28.0	3	20.9	2	13.9	-	-	1	6.9
Idaho	3	19.5	5	32.7	1	6.5	2	12.8	2	12.7	2	12.7
Jefferson	3	15.3	3	15.2	5	24.8	7	33.7	4	18.5	2	8.9
Jerome	1	5.4	6	32.1	3	15.9	2	10.4	5	25.5	3	14.9
Kootenai	26	23.2	24	21.1	13	11.1	21	17.2	35	27.4	22	16.7
Latah	9	26.1	6	17.0	4	11.4	5	14.2	5	14.4	7	20.0
Lemhi	2	26.3	1	13.1	4	51.7	1	12.8	1	12.6	1	12.6
Lewis	2	55.2	-	-	1	26.7	1	26.6	2	53.3	-	-
Lincoln	1	24.2	-	-	3	69.4	-	-	-	-	-	-
Madison	2	7.3	-	-	3	10.0	3	9.7	1	3.2	1	3.2
Minidoka	5	25.4	4	20.5	2	10.3	9	46.8	2	10.5	4	21.0
Nez Perce	11	29.7	10	26.9	13	34.5	9	23.8	8	21.1	9	23.5
Oneida	-	-	-	-	1	24.2	-	-	-	-	-	-
Owyhee	2	18.2	1	9.2	1	8.9	3	27.3	3	27.1	1	9.0
Payette	2	9.6	4	19.0	3	14.0	7	32.4	1	4.5	6	26.6
Power	-	-	1	13.6	-	-	3	40.1	1	12.9	1	12.6
Shoshone	3	22.3	2	15.3	3	23.1	3	23.4	1	7.6	3	22.8
Teton	1	15.6	-	-	1	14.2	-	-	2	26.8	1	12.8
Twin Falls	14	21.6	9	13.7	8	11.9	6	8.8	12	17.3	16	22.4
Valley	2	25.9	2	26.6	2	25.8	4	50.2	3	36.0	1	11.3
Washington	1	10.0	1	10.1	1	10.0	-	-	2	19.8	2	19.6

Rate: Crude rate per 100,000 population

**Table 5 (continued)**  
**Idaho Resident Suicide Deaths**  
**Number and Death Rate by District and County of Residence**  
**1995-2011**

RESIDENCE	2007		2008		2009		2010		2011	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
IDAHO	220	14.7	251	16.5	307	19.9	290	18.5	284	17.9
District 1	43	20.6	40	18.9	52	24.3	53	25.0	45	21.0
District 2	17	16.6	12	11.8	19	18.2	19	18.0	21	19.8
District 3	31	12.7	32	12.9	43	17.1	35	13.8	51	19.9
District 4	63	15.0	68	16.0	64	14.9	66	15.1	67	15.1
District 5	23	13.2	31	17.6	49	27.2	39	21.0	34	18.2
District 6	18	11.1	36	21.9	36	21.5	35	20.7	29	17.0
District 7	25	13.2	32	16.4	44	22.0	43	21.0	37	17.9
Ada	57	15.3	60	15.8	54	14.0	56	14.3	62	15.5
Adams	-	-	-	-	1	28.4	2	50.3	-	-
Bannock	9	11.3	17	21.0	22	26.7	22	26.6	16	19.1
Bear Lake	1	17.1	3	51.7	1	17.3	-	-	-	-
Benewah	2	21.6	1	10.7	3	32.4	1	10.8	2	21.7
Bingham	2	4.6	9	20.5	6	13.4	9	19.7	7	15.2
Blaine	3	13.9	3	13.8	5	22.4	7	32.7	3	14.2
Boise	2	26.4	2	26.7	3	40.3	1	14.2	-	-
Bonner	8	19.5	11	26.7	11	26.6	11	26.9	9	22.1
Bonneville	16	16.6	18	18.2	22	21.7	21	20.1	22	20.8
Boundary	4	36.8	1	9.1	4	36.5	4	36.5	3	27.8
Butte	-	-	1	36.4	-	-	2	69.2	1	35.4
Camas	1	90.7	-	-	2	180.3	-	-	-	-
Canyon	25	13.9	23	12.5	32	17.1	28	14.8	37	19.3
Caribou	3	43.7	2	29.3	-	-	-	-	3	43.8
Cassia	2	9.5	2	9.4	3	13.8	1	4.4	6	25.9
Clark	1	110.4	-	-	-	-	2	203.7	-	-
Clearwater	1	12.1	1	12.2	2	24.9	2	22.8	2	23.0
Custer	-	-	1	23.5	5	117.9	2	45.8	1	23.1
Elmore	3	10.4	5	17.2	6	20.8	6	22.2	3	11.4
Franklin	2	16.4	2	16.1	3	23.7	1	7.8	2	15.6
Fremont	-	-	3	23.9	3	23.6	3	22.7	-	-
Gem	-	-	3	18.2	4	24.3	1	6.0	5	30.0
Gooding	3	21.1	-	-	4	27.7	2	12.9	3	19.4
Idaho	3	19.6	1	6.5	5	32.3	3	18.4	3	18.2
Jefferson	3	13.1	1	4.2	6	24.2	6	23.0	7	26.6
Jerome	-	-	2	9.8	8	37.6	8	35.8	5	22.0
Kootenai	26	19.3	24	17.5	30	21.5	31	22.4	28	19.8
Latah	8	22.0	2	5.6	5	13.1	4	10.7	3	8.0
Lemhi	2	25.9	7	89.7	4	50.6	2	25.2	1	12.6
Lewis	-	-	1	27.8	-	-	-	-	1	26.2
Lincoln	3	66.7	-	-	2	43.1	2	38.4	-	-
Madison	3	8.2	1	2.7	1	2.6	-	-	3	7.9
Minidoka	2	10.8	7	37.5	1	5.2	4	19.9	1	5.0
Nez Perce	5	12.8	7	18.0	7	17.9	10	25.5	12	30.3
Oneida	1	24.4	-	-	2	47.4	1	23.3	-	-
Owyhee	1	9.2	3	27.6	1	8.9	-	-	2	17.5
Payette	4	17.6	2	8.7	5	21.6	2	8.8	4	17.7
Power	-	-	2	26.0	2	25.9	-	-	-	-
Shoshone	3	23.4	3	23.2	4	31.6	6	47.0	3	23.7
Teton	-	-	1	11.3	3	32.1	7	68.8	3	29.5
Twin Falls	9	12.3	17	22.9	24	31.9	15	19.4	16	20.5
Valley	1	11.2	1	11.3	1	11.5	3	30.4	2	20.8
Washington	1	9.9	1	9.8	-	-	2	19.6	3	29.3

Rate: Crude rate per 100,000 population

**Table 6**  
**Idaho Resident Suicide Deaths**  
**Number, Crude Rate, and Age Adjusted Rate by District and County of Residence**  
**Five-Year Aggregate: 2007-2011**

		Number	Crude Death Rate	Age-Adjusted Rate
IDAHO		1,352	17.5	17.9
District 1	TOTAL	233	22.0	20.8
	Benewah	9	19.4	24.0
	Bonner	50	24.4	21.2
	Boundary	16	29.3	28.6
	Kootenai	139	20.1	19.4
	Shoshone	19	29.8	27.6
District 2	TOTAL	88	16.9	16.4
	Clearwater	8	19.1	15.9
	Idaho	15	19.0	15.3
	Latah	22	11.9	13.9
	Lewis	2	10.8	7.3
	Nez Perce	41	20.9	19.9
District 3	TOTAL	192	15.3	16.2
	Adams	3	16.2	16.4
	Canyon	145	15.6	16.8
	Gem	13	15.7	15.0
	Owyhee	7	12.5	12.7
	Payette	17	14.9	14.8
	Washington	7	13.8	12.8
District 4	TOTAL	328	15.2	15.2
	Ada	289	15.0	15.0
	Boise	8	21.9	23.4
	Elmore	23	16.4	17.6
	Valley	8	17.4	16.5
District 5	TOTAL	176	19.5	20.5
	Blaine	21	19.4	20.5
	Camas	3	53.8	48.8
	Cassia	14	12.7	13.1
	Gooding	12	16.2	17.4
	Jerome	23	21.5	23.7
	Lincoln	7	29.1	31.2
	Minidoka	15	15.5	17.4
	Twin Falls	81	21.4	22.4
District 6	TOTAL	154	18.5	19.4
	Bannock	86	21.0	22.2
	Bear Lake	5	17.0	16.3
	Bingham	33	14.8	15.9
	Butte	4	28.6	21.1
	Caribou	8	23.3	25.3
	Franklin	10	15.9	15.9
	Oneida	4	19.1	23.6
	Power	4	10.3	9.4
District 7	TOTAL	181	18.2	19.4
	Bonneville	99	19.5	20.9
	Clark	3	63.8	81.3
	Custer	9	42.1	42.9
	Fremont	9	14.0	14.1
	Jefferson	23	18.6	20.7
	Lemhi	16	40.7	34.2
	Madison	8	4.3	6.6
	Teton	14	29.9	33.9

Rates per 100,000 population.

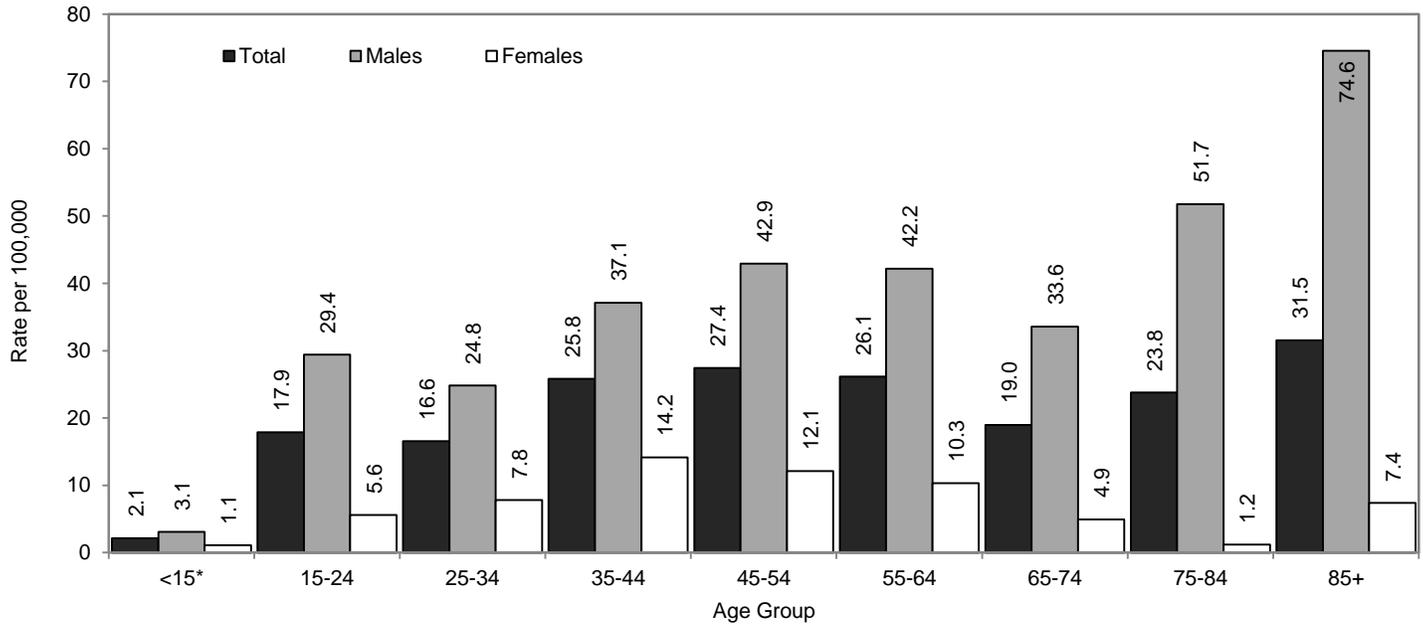
Note: The reader is cautioned that rates based on small numbers (< 20 events) are considered unstable; caution must be exercised when attempting to draw conclusions from small databases. It is advised to show the number of deaths with the rate.

**Table 7**  
**Idaho Resident Suicide Deaths**  
**Number, Age-Specific Rate by Gender**  
**Five-Year Aggregate: 2007-2011**

AGE GROUP	TOTAL		MALE		FEMALE	
	Number	Total Crude Rate and Age-Specific Rate	Number	Total Crude Rate and Age-Specific Rate	Number	Total Crude Rate and Age-Specific Rate
Total	1,352	17.5	1,083	27.9	269	7.0
<15*	12	2.1	9	3.1	3	1.1
15-24	198	17.9	168	29.4	30	5.6
25-34	174	16.6	134	24.8	40	7.8
35-44	248	25.8	181	37.1	67	14.2
45-54	284	27.4	221	42.9	63	12.1
55-64	227	26.1	182	42.2	45	10.3
65-74	98	19.0	85	33.6	13	4.9
75-84	71	23.8	69	51.7	2	1.2
85+	40	31.5	34	74.6	6	7.4

Note: The reader is cautioned that rates based on small numbers (< 20 events) are considered unstable; caution must be exercised when attempting to draw conclusions from small databases. It is advised to show the number of deaths with the rate.

**Chart 5**  
**Idaho Resident Suicide Deaths**  
**Age-Specific Rate by Age Group and Gender**  
**Five-Year Aggregate: 2007-2011**



Note: Rates are per 100,000 population. Rates for men and women are per 100,000 within specified gender and age groups.  
 \*Rates for <15 are based on persons aged <15 per 100,000 persons aged 10-14.

**Table 8a**  
**Idaho Resident Suicide Deaths**  
**Number of Deaths and Age-Adjusted Rate by Race by Ethnicity\***  
**Five-Year Aggregate: 2007-2011**

RACE BY ETHNICITY	TOTAL		GENDER			
			MALE		FEMALE	
	Number	Age-Adjusted Rate	Number	Age-Adjusted Rate	Number	Age-Adjusted Rate
TOTAL	1,352	17.9	1,083	28.9	269	7.2
Non-Hispanic White	1,256	18.9	1,010	30.7	246	7.6
Non-Hispanic Black	10	28.4	9	49.3	1	1.5
Non-Hispanic American Indian/Alaska Native	27	25.6	20	37.2	7	13.8
Non-Hispanic Asian/Pacific Islander	7	6.2	5	9.6	2	3.2
Hispanic	50	7.5	37	10.7	13	4.0

Note: The reader is cautioned that rates based on small numbers (< 20 events) are considered unstable; caution must be exercised when attempting to draw conclusions from small databases. It is advised to show the number of deaths with the rate.

**Table 8b**  
**Idaho Resident Suicide Deaths**  
**Number of Deaths by Race by Ethnicity\* and Age Group**  
**Five-Year Aggregate: 2007-2011**

RACE BY ETHNICITY	TOTAL	AGE GROUP										
		AGE <25				25-34	35-44	45-54	55-64	65-74	75-84	85+
		Total	<15	15-18	19-24							
TOTAL	1,352	210	12	66	132	174	248	284	227	98	71	40
Non-Hispanic White	1,256	178	10	59	109	160	229	266	221	92	70	40
Non-Hispanic Black	10	2	1	-	1	-	2	5	-	-	1	-
Non-Hispanic American Indian/Alaska Native	27	11	1	4	6	5	4	4	1	2	-	-
Non-Hispanic Asian/Pacific Islander	7	1	-	-	1	1	3	1	1	-	-	-
Hispanic	50	18	-	3	15	8	9	8	3	4	-	-

\*Data based on records where race and ethnicity are stated. From 2007-2011 there were two records with either race or ethnicity not stated. These two deaths are included in the total for males in Table 8a, and one death each is included in the totals for the 35-44 and 55-64 age groups in Table 8b.

**Table 9a**  
**Idaho Resident Suicide Deaths**  
**Mechanism by Gender and Age Group**  
**Five-Year Aggregate: 2007-2011**

MECHANISM	TOTAL	GENDER		AGE GROUP							
		Male	Female	Age <25				25-44	45-64	65+	
				Total	<15	15-17	18-19				20-24
TOTAL	1,352	1,083	269	210	12	46	48	104	422	511	209
Firearms	821	730	91	122	5	30	28	59	230	299	170
Poisoning	239	125	114	11	-	2	1	8	92	118	18
Hanging, strangulation, and suffocation	231	183	48	66	7	12	17	30	81	68	16
Fall	17	12	5	5	-	2	1	2	5	7	-
Drowning	13	8	5	2	-	-	1	1	2	6	3
All other means	31	25	6	4	-	-	-	4	12	13	2

**Table 9b**  
**Idaho Resident Suicide Deaths**  
**Number and Rate by Mechanism and Year of Death**  
**Five-Year Aggregate: 2007-2011**

MECHANISM	TOTAL		YEAR OF DEATH									
			2007		2008		2009		2010		2011	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
TOTAL	1,352	17.5	220	14.7	251	16.5	307	19.9	290	18.5	284	17.9
Firearms	821	10.6	147	9.8	148	9.7	178	11.5	182	11.6	166	10.5
Poisoning	239	3.1	33	2.2	47	3.1	61	3.9	43	2.7	55	3.5
Hanging, strangulation, and suffocation	231	3.0	35	2.3	40	2.6	53	3.4	55	3.5	48	3.0
Fall	17	0.2	1	0.1	7	0.5	6	0.4	-	-	3	0.2
Drowning	13	0.2	2	0.1	2	0.1	3	0.2	4	0.3	2	0.1
All other means	31	0.4	2	0.1	7	0.5	6	0.4	6	0.4	10	0.6

Rate per 100,000 population.

**Table 10**  
**Idaho Resident Suicide Deaths**  
**Number, Rate, and Percent of Deaths by Mechanism and Gender**  
**Five-Year Aggregate: 2007-2011**

ICD-10 CODE AND MECHANISM	NUMBER			GENDER SPECIFIC RATE			PERCENT		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
<b>TOTAL</b>	<b>1,352</b>	<b>1,083</b>	<b>269</b>	<b>17.5</b>	<b>27.9</b>	<b>7.0</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>
<b>(X60-X69) POISONING</b>	<b>239</b>	<b>125</b>	<b>114</b>	<b>3.1</b>	<b>3.2</b>	<b>3.0</b>	<b>17.7%</b>	<b>11.5%</b>	<b>42.4%</b>
(X60) Suicide by and exposure to nonopioid analgesics, antipyretics, and antirheumatics	2	-	2	-	-	0.1	0.1%	-	0.7%
(X61) Suicide by and exposure to antiepileptic, sedative-hypnotic, antiparkinsonism, and psychotropic drugs, not elsewhere classified	23	10	13	0.3	0.3	0.3	1.7%	0.9%	4.8%
(X62) Suicide by and exposure to narcotics and psychodysleptics [hallucinogens],not elsewhere classified	16	9	7	0.2	0.2	0.2	1.2%	0.8%	2.6%
(X63) Suicide by and exposure to other drugs acting on the autonomic nervous system	-	-	-	-	-	-	-	-	-
(X64) Suicide by and exposure to other and unspecified drugs, medicaments, and biological substances	137	58	79	1.8	1.5	2.1	10.1%	5.4%	29.4%
(X65) Suicide by and exposure to alcohol	-	-	-	-	-	-	-	-	-
(X66) Suicide by and exposure to organic solvents and halogenated hydrocarbons and their vapors	5	4	1	0.1	0.1	-	0.4%	0.4%	0.4%
(X67) Suicide by and exposure to other gases and vapors	54	42	12	0.7	1.1	0.3	4.0%	3.9%	4.5%
(X68) Suicide by and exposure to pesticides	-	-	-	-	-	-	-	-	-
(X69) Suicide by and exposure to other and unspecified chemicals and noxious substances	2	2	-	-	0.1	-	0.1%	0.2%	-
<b>(X70) SUICIDE BY HANGING, STRANGULATION, AND SUFFOCATION</b>	<b>231</b>	<b>183</b>	<b>48</b>	<b>3.0</b>	<b>4.7</b>	<b>1.2</b>	<b>17.1%</b>	<b>16.9%</b>	<b>17.8%</b>
<b>(X71) SUICIDE BY DROWNING AND SUBMERSION</b>	<b>13</b>	<b>8</b>	<b>5</b>	<b>0.2</b>	<b>0.2</b>	<b>0.1</b>	<b>1.0%</b>	<b>0.7%</b>	<b>1.9%</b>
<b>(X72-X74) FIREARM</b>	<b>821</b>	<b>730</b>	<b>91</b>	<b>10.6</b>	<b>18.8</b>	<b>2.4</b>	<b>60.7%</b>	<b>67.4%</b>	<b>33.8%</b>
(X72) Suicide by handgun discharge	320	281	39	4.1	7.2	1.0	23.7%	25.9%	14.5%
(X73) Suicide by rifle, shotgun, and larger firearm discharge	145	137	8	1.9	3.5	0.2	10.7%	12.7%	3.0%
(X74) Suicide by other and unspecified firearm discharge	356	312	44	4.6	8.0	1.1	26.3%	28.8%	16.4%
<b>(X80) SUICIDE BY JUMPING FROM A HIGH PLACE</b>	<b>17</b>	<b>12</b>	<b>5</b>	<b>0.2</b>	<b>0.3</b>	<b>0.1</b>	<b>1.3%</b>	<b>1.1%</b>	<b>1.9%</b>
<b>(X75-X79, X81-X84, Y87.0 AND U03.9) ALL OTHER MEANS</b>	<b>31</b>	<b>25</b>	<b>6</b>	<b>0.4</b>	<b>0.6</b>	<b>0.2</b>	<b>2.3%</b>	<b>2.3%</b>	<b>2.2%</b>
(X75) Suicide by explosive material	-	-	-	-	-	-	-	-	-
(X76) Suicide by smoke, fire, and flames	-	-	-	-	-	-	-	-	-
(X77) Suicide by steam, hot vapors, and hot objects	-	-	-	-	-	-	-	-	-
(X78) Suicide by sharp object	12	11	1	0.2	0.3	-	0.9%	1.0%	0.4%
(X79) Suicide by blunt object	-	-	-	-	-	-	-	-	-
(X81) Suicide by jumping or lying before moving object	3	1	2	-	-	0.1	0.2%	0.1%	0.7%
(X82) Suicide by crashing of motor vehicle	8	6	2	0.1	0.2	0.1	0.6%	0.6%	0.7%
(X83) Suicide by other specified means	4	3	1	0.1	0.1	-	0.3%	0.3%	0.4%
(X84) Suicide by unspecified means	4	4	-	0.1	0.1	-	0.3%	0.4%	-
(Y87.0) Sequelae of suicide	-	-	-	-	-	-	-	-	-
(U03.9) Terrorism suicide by other and unspecified means	-	-	-	-	-	-	-	-	-

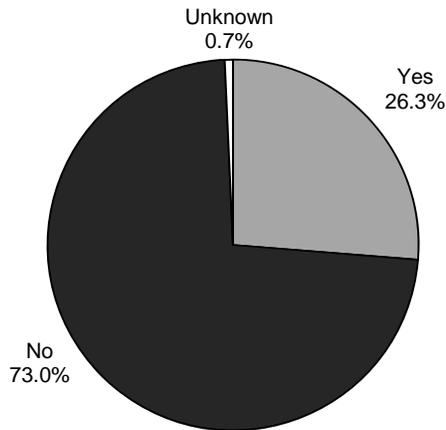
Note: Rates are per 100,000 population. Rates for males and females are per 100,000 by gender, respectively.

Note: (-) is equal to zero or a rate that rounds to less than 0.1.

**Table 11**  
**Idaho Resident Suicide Deaths to Adults Aged 18 and Older**  
**Military Status by Year of Death**  
**1999-2011**

YEAR	TOTAL	Military Status		
		Yes	No	Unknown
TOTAL	2,877	756	2,100	21
1999	168	48	119	1
2000	157	45	111	1
2001	199	50	149	-
2002	193	55	136	2
2003	210	63	142	5
2004	230	50	174	6
2005	219	65	151	3
2006	207	53	154	-
2007	212	48	163	1
2008	237	75	162	-
2009	298	66	232	-
2010	278	70	206	2
2011	269	68	201	-

**Chart 6**  
**Idaho Resident Suicide Deaths to Adults Aged 18 and Older**  
**Percent by Military Status**  
**13-Year Aggregate: 1999-2011**



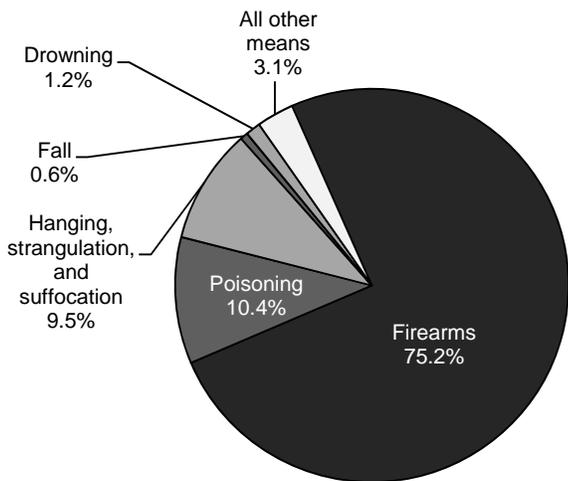
Military status is based on the following question on the death certificate: 'Ever in U.S. Armed Forces?'

Special note for comparison: The percentages for all other deaths by military status ('Ever in U.S. Armed Forces') for the same years were 28.6% = Yes, 71.0% = No, and 0.4%=Unknown.

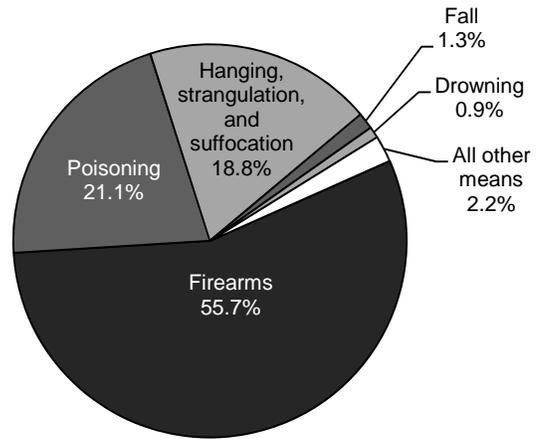
**Table 12**  
**Idaho Resident Suicide Deaths to Adults Aged 18 and Older**  
**Military Status by Mechanism of Death**  
**Five-Year Aggregate: 2007-2011**

MECHANISM	TOTAL	MILITARY STATUS		
		Yes	No	Unknown
TOTAL	1,294	327	964	3
Firearms	786	246	537	3
Poisoning	237	34	203	-
Hanging, strangulation, and suffocation	212	31	181	-
Fall	15	2	13	-
Drowning	13	4	9	-
All other means	31	10	21	-

**Chart 7a**  
**Idaho Resident Suicide Deaths**  
**Adults Aged 18 and Older**  
**Percent of Deaths by Mechanism**  
**Individuals Who Ever Served in U.S. Armed Forces**  
**Five-Year Aggregate: 2007-2011**



**Chart 7b**  
**Idaho Resident Suicide Deaths**  
**Adults Aged 18 and Older**  
**Percent of Deaths by Mechanism**  
**Individuals Who Never Served in U.S. Armed Forces**  
**Five-Year Aggregate: 2007-2011**



## NOTES

### Cause of Death Classification

The ICD-10 codes included in the Intentional self-harm (suicide) category are: ICD10: X60-X84, Y87.0, and U03.9.

Analysis on the mechanism of death for Intentional self-harm (suicide) is done using the ICD-10 code given by the certifier. The categories and codes are as follows:

MECHANISM	ICD-10 CODE
Intentional self-harm by poisoning	X60-X69
Intentional self-harm by hanging, strangulation, and suffocation	X70
Intentional self-harm by drowning and submersion	X71
Intentional self-harm by discharge of firearms	X72-X74
Intentional self-harm by explosive material	X75
Intentional self-harm by fire/hot object or substance	X76-X77
Intentional self-harm by cut/pierce	X78
Intentional self-harm by struck by or against	X79
Intentional self-harm by jumping from a high place	X80
Intentional self-harm by jumping or lying before moving object	X81
Intentional self-harm by crashing of motor vehicle	X82
Intentional self-harm by other specified means	X83
Intentional self-harm by unspecified means	X84
Sequelae of intentional self-harm	Y87.0
Terrorism intentional suicide by other and unspecified means	U03.9

### Race and Ethnicity

Race and Hispanic origin of the decedent are reported separately on the Idaho death certificate. Persons of Hispanic origin may be of any race. The number of deaths and death rates for Hispanics should be interpreted with caution. According to the National Center for health Statistics (NCHS), Hispanic ethnicity is underreported on the death certificate, and there are inconsistencies in reporting Hispanic origin on the death certificate as compared with ethnicity on censuses, surveys, and birth certificates.

### Age-Adjusted Mortality Rates Standardized 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 recommended when making comparisons in the rates of age-related health events, such as deaths, between different populations or for comparing trends in a given population over time. 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, an age-adjusted rate is a weighted average of the age-specific death rates, where the weights represent the fixed population proportions by age.

Average annual age-adjusted rates in this report were standardized to year 2000 U.S. standard million population (shown as proportion of the population or weights). The total population for each three-year period was used to calculate the average-annual rates. Rates were developed using the following steps for the direct method:

- 1) Calculate **age-specific rates** for the 11 age groups used in the 2000 standard million:

$$\left[ \frac{\text{Annual number of deaths in age group}}{\text{(Total population of age group for corresponding years)}} \right] \times 100,000$$

- 2) Calculate **expected number of deaths** for each age group:  
(2000 U.S. standard million population (weight) of age group) x (Age-specific rate)
- 3) Calculate **age-adjusted rate per 100,000 persons**:  
(Sum of expected deaths for all age groups)

### **Small Numbers and Rates**

Please note that the smaller the number of events upon which the rate is based, the larger the confidence interval will be. This clearly demonstrates the wider variability (and lesser reliability) of rates based on smaller numbers. As a general rule, age-adjusted rates based on less than 20 events should be considered unstable and are not recommended for comparative use or in determining significance.

### **Health Districts**

Idaho is comprised of seven Health Districts and seven Regions. The counties in each are the same with one exception. Butte County is located in Health District 6, but is in Region 7. This report provides data based on the Health Districts.