Idaho Vital Statistics Suicide Report

Five-Year Aggregate Data
2009-2013

Idaho Department of Health and Welfare
Bureau of Vital Records and Health Statistics
August 2014

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IDAHO RESIDENT SUICIDE

Purpose

The purpose of this report is to provide a comprehensive view of deaths among Idaho residents by Intentional self-harm (suicide). Resident suicide deaths include all deaths where suicide was listed as the underlying cause of death, regardless of where the death occurred. The Bureau of Vital Records and Health Statistics receives death records for those Idaho resident deaths that occur in Idaho and out of state. This report provides data for the most recent year available, 2013, trends for the U.S. and Idaho, trends by gender for Idaho, and data by gender, age, race, ethnicity, place of residence, military status, and mechanism of injury from 2009 to 2013. Findings below are based on five-year aggregate numbers and age-adjusted rates from 2009 to 2013 unless otherwise noted.

Findings

IDAHO AND U.S.:

- Suicide was the 10th leading cause of death in the U.S. in 2011 (latest year available), and 8th leading cause of death among Idaho residents in 2011, 2012, and 2013.
- In 2011, Wyoming had the highest rate of suicide in the nation (23.1 deaths per 100,000 population); Idaho and Nevada had the 7th highest rate in the nation (18.4 deaths per 100,000 population), following Wyoming, Montana, New Mexico, Utah, Alaska, and Oklahoma.
- In 2011, The District of Columbia, New Jersey, and New York had the lowest rates in the nation with 5.6, 7.4, and 8.1 deaths per 100,000, respectively.
- Idaho's rate was 49.6 percent higher than the U.S. rate in 2011 (12.3 deaths per 100.000 in the U.S.).
- In the past five years, 1,488 Idaho residents died by suicide. The number of deaths ranged from a low of 284 deaths in 2011 to a high of 308 deaths in 2013.

GENDER:

- Suicide was the cause of death for 1,173 males and 315 females from 2009-2013.
- The rate for males (30.5 deaths per 100,000 males) was significantly higher than the rate for females (8.2 deaths per 100,000 females).
- The rank of leading cause of death for males and females were:
    - 6th highest cause of deaths among males
    - 11th highest cause of death among females
- For the past ten years, rates for males were significantly higher than rates for females every year. However, the rates for males and the rates for females did not change significantly in the past ten years.
    - The age-adjusted rate for males was 28.7 deaths per 100,000 males in 2004 and was 30.7 deaths per 100,000 males in 2013.
    - The age-adjusted rate for females was 6.9 deaths per 100,000 females in 2004 and was 8.0 deaths per 100,000 females in 2013.

AGE:

- The mean age at death for suicide by gender was:
    - Age 46.2 for males
    - Age 44.3 for females
- The highest age-specific rates for males and females were:
    - Age 85 and older for males (72.3 deaths per 100,000 males aged 85 and older)
    - Age 45-54 for females (15.0 deaths per 100,000 females aged 45-54)
- The age group with the highest number of deaths was:
    - Age 45-54 for males (244 deaths)
    - Age 45-54 for females (77 deaths)
- Suicide was the 2nd leading cause of death for 10-14, 15-24, 25-34, and 35-44 year old age groups.

DISTRICT:

- District 2 had the lowest number of suicide deaths among the seven districts (105 deaths).
- District 6 had the highest suicide rate with 22.5 deaths per 100,000 population (178 deaths).
- District 4 had the highest number of suicide deaths (353), but had the lowest suicide rate with 15.8 deaths per 100,000 population.
- Suicide was the 7th leading cause of death among residents of District 6, the 8th leading cause among Districts, 1, 3, 4, 5, and 7, and the 9th leading cause of death among District 2 residents.

COUNTY:

- The county with the highest age-adjusted suicide rate was Clark County with 97.2 deaths per 100,000 population (4 deaths), followed by Custer County (54.4 deaths per 100,000, 12 deaths), and Camas County (43.9 deaths per 100,000, 2 deaths).
- The counties with the lowest rates were Madison County with 7.7 deaths per 100,000 population (10 deaths), Power with 9.6 deaths per 100,000 (4 deaths), and Latah with 13.0 deaths per 100,000 (23 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 AND ETHNICITY:

- The highest number of suicide deaths occurred among the non-Hispanic white population (1,386 deaths).
- The highest age-adjusted suicide rate occurred among non-Hispanic American Indian and Alaska Natives (23.1 deaths per 100,000 population (24 deaths)
- The lowest age-adjusted suicide rate occurred among the non-Hispanic Asian/Pacific Islander population with 4.1 per 100,000 population (5 deaths).
- Suicide was the 8th leading cause of death among non-Hispanics, and was the 6th leading cause among Hispanics.

MECHANISM OF INJURY:

- Of the 1,488 Idaho resident suicide deaths, 903 (60.7 percent) involved a firearm.
- Firearms, poisoning, and hanging, strangulation and suffocation made up 95.4 percent of all Idaho resident suicide deaths.
- Leading mechanism of injury differed among males and females. Firearm was the leading mechanism for males; 67.7 percent of suicides among males involved a firearm. Poisoning was the leading mechanism among females; 38.7 percent of suicides among females were from poisoning.
- The mean age at death by mechanism:
    - Age 48.2 for suicide by firearm
    - Age 46.5 for suicide by poisoning
    - Age 37.4 for suicide by hanging
    - Age 39.5 for suicide by jumping from high place
    - Age 48.5 for suicide by drowning
    - Age 46.9 for suicide by cutting (sharp object)
    - Age 41.9 for suicide by all means

MILITARY STATUS:

- Among Idaho residents aged 18 and older, there were 1,421 suicide deaths from 2009 to 2013. Of 1,421 deaths, 333 (23.5 percent) occurred to people who had ever been in U.S. Armed Forces. The death may have occurred at the time the person was in the military or after leaving the military.
    - Of the 129 men aged 18-24 who died by suicide, 13 (10.1 percent) were ever in the military.
    - Of the 789 men aged 25-64 who died by suicide, 179 (22.7 percent) were ever in the military.
    - Of the 200 men aged 65+ who died by suicide, 128 (64.0 percent) were ever in the military.
- In comparison, 4.8 percent of males aged 18-24, 28.5 percent of males aged 25-64, and 67.0 percent of males aged 65 and older who died from all other causes of death (non-suicide deaths) were ever in the U.S. Armed Forces.
- Suicide by firearm was more prevalent among people who had ever been in the military than those who had never been in the military. Firearms were involved in 77.8 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’?

Note: All rates provided in the findings are age-adjusted to the U.S. 2000 standard population and are based on five-year aggregate data 2009-2013 unless otherwise noted. All percentages provided in the findings are based on death records with known outcome for the indicator. Records with unknown outcomes were deleted from the denominator prior to calculating the percentage. Significant differences provided in the findings are based on statistical significance at the 0.05 level.

Table 1
Idaho Resident Deaths
Number and Rank in Leading Causes of Death
1970, 1980, 1990, 2000, 2010, and 2013

CAUSE OF DEATH	YEAR OF DEATH					
	2013	2010	2000	1990	1980	1970
All Causes	12,426	11,411	9,535	7,387	6,762	6,145
Malignant neoplasms (cancer)	2,709 (1)	2,530 (1)	2,131 (2)	1,733 (2)	1,293 (2)	940 (2)
Diseases of heart	2,489 (2)	2,478 (2)	2,510 (1)	2,186 (1)	2,383 (1)	2,157 (1)
Chronic lower respiratory diseases	806 (3)	730 (3)	565 (4)	387 (5)	243 (5)	174 (6)
Accidents	777 (4)	647 (4)	516 (5)	477 (4)	579 (3)	584 (4)
Cerebrovascular diseases	600 (5)	641 (5)	713 (3)	544 (3)	568 (4)	638 (3)
Diabetes mellitus	400 (6)	352 (7)	302 (6)	172 (8)	112 (8)	130 (9)
Alzheimer's disease	348 (7)	415 (6)	262 (8)	79 (9)	*	*
Intentional self-harm (suicide)	308 (8)	290 (8)	166 (9)	190 (7)	128 (7)	112 (10)
Influenza and Pneumonia	259 (9)	215 (9)	286 (7)	305 (6)	211 (6)	207 (5)
Chronic liver disease and cirrhosis	201 (10)	152	113 (10)	54	76	*
All other causes	3,529	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.

2013, 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.

Chart 1
Idaho Resident Deaths
Percentage of All Deaths by Leading Cause of Death
2013

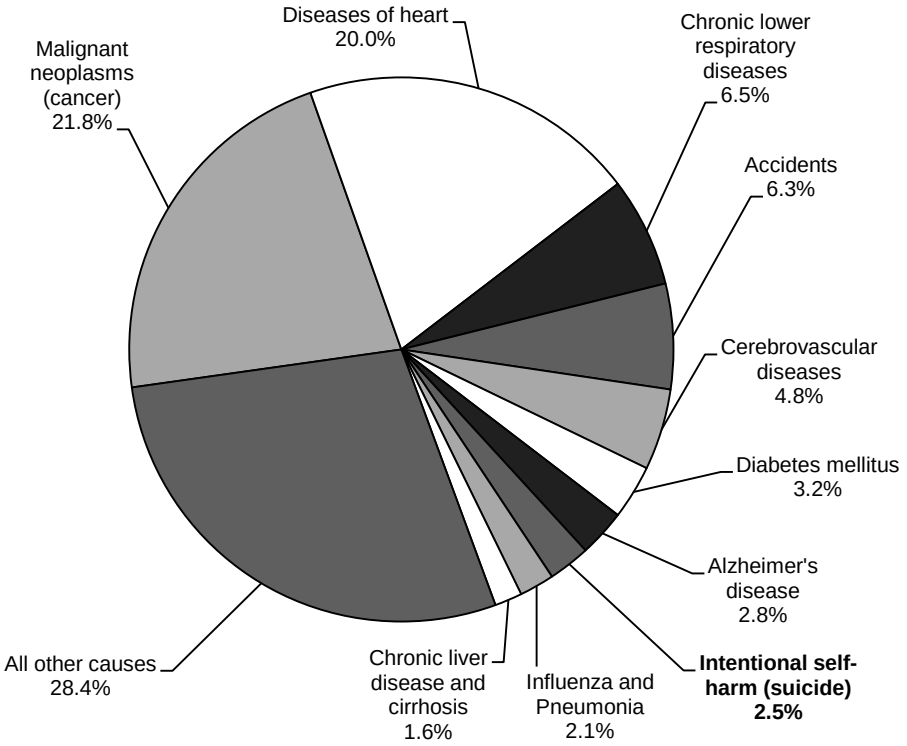
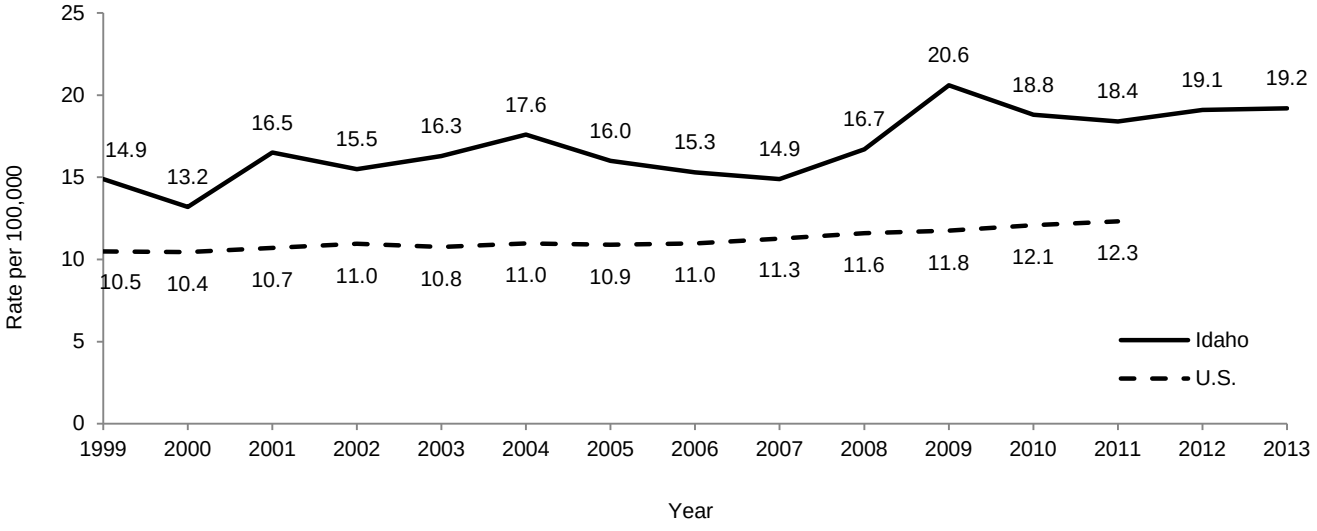


Table 2
Idaho and U.S. Resident Suicide Deaths
Number of Deaths, Crude, and Age-Adjusted Rate
Annual Percentage Change to Age-Adjusted Rates
1999-2013

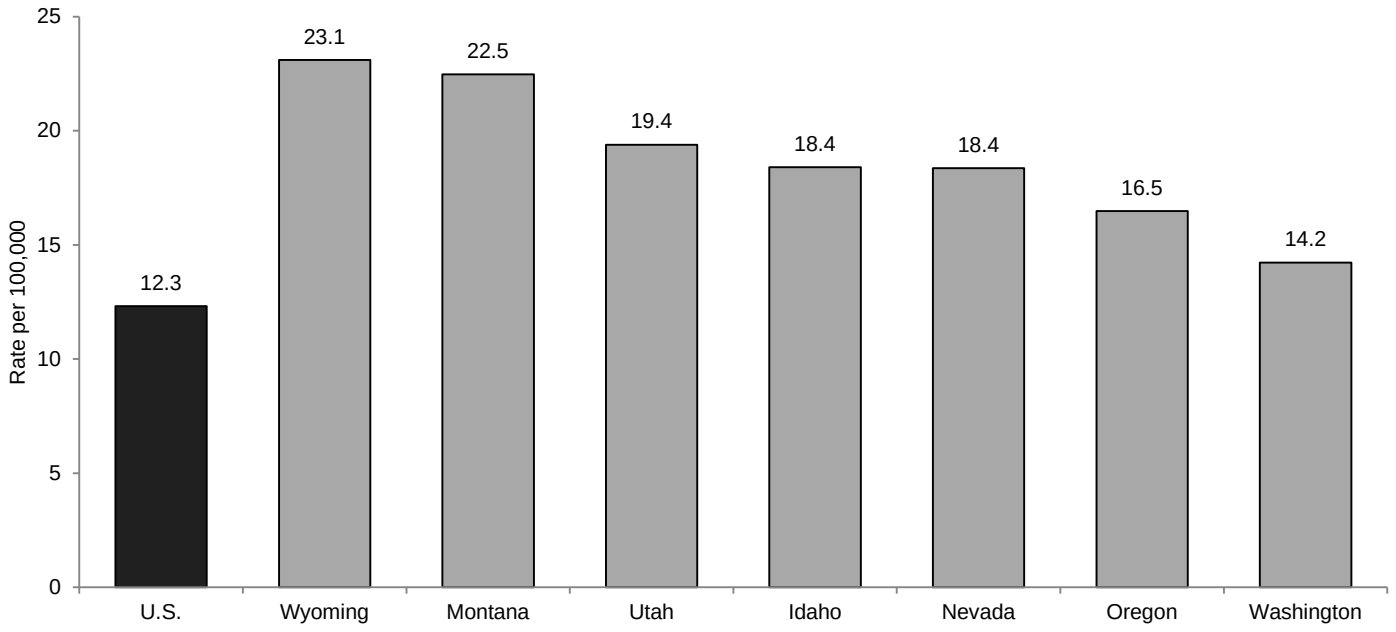
	IDAHO				U.S.			
YEAR	Number	Crude Rate	Age-Adjusted Rate	Percent Change	Number	Crude Rate	Age-Adjusted Rate	Percent Change
1999	180	14.4	14.9	NA	29,199	10.5	10.5	NA
2000	166	12.8	13.2	-11.4%	29,350	10.4	10.4	-0.4%
2001	213	16.1	16.5	25.0%	30,622	10.8	10.7	2.6%
2002	203	15.1	15.5	-6.1%	31,655	11.0	11.0	2.2%
2003	218	16.0	16.3	5.2%	31,484	10.9	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	11.9	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%	39,518	12.7	12.3	1.7%
2012	299	18.7	19.1	3.8%				
2013	308	19.1	19.2	0.5%	2011 is the latest year U.S. final data are available.			

Chart 2
Idaho and U.S. Resident Suicide Deaths
Age-Adjusted Rate
1999-2013



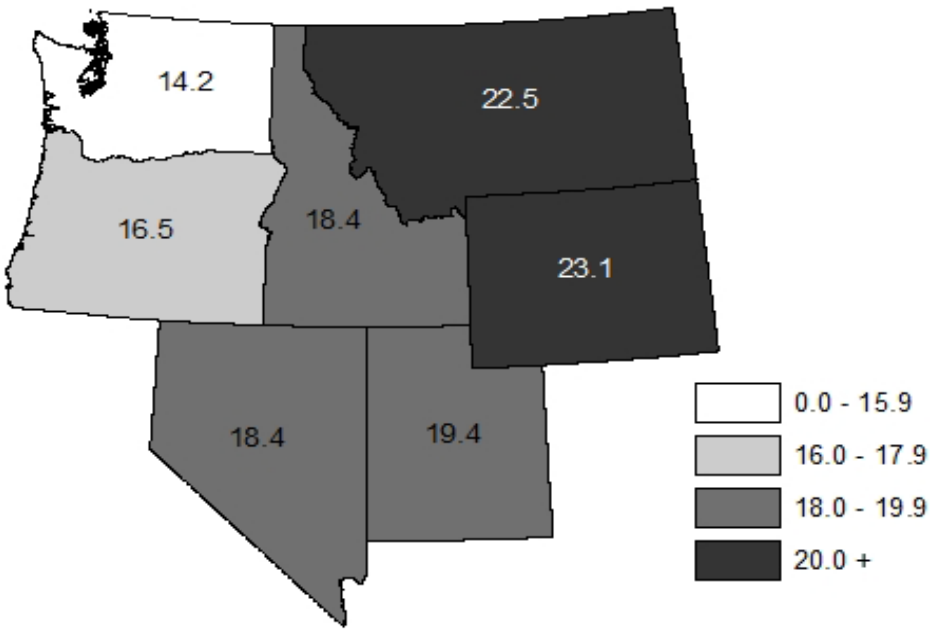
Rate: number of deaths per 100,000 population.
Percent change: ((Current year age-adjusted rate - prior year age-adjusted rate)/(prior year age-adjusted rate))*100.
NA: not applicable; NC: no change.
U.S. data Source: NCHS Vital Statistics System for numbers of deaths. Bureau of Census for population estimates.

Chart 3
Suicide Deaths
Age-Adjusted Mortality Rate for Idaho and Surrounding States
2011



In addition to Wyoming, Montana, and Utah, New Mexico (20.4 deaths per 100,000), Alaska (19.4 death per 100,000), and Oklahoma (18.5 deaths per 100,000) had rates higher than Idaho in 2011.

Map 1
Suicide Deaths
Age-Adjusted Mortality Rate for Idaho and Surrounding States
2011



Note: 2011 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.

Table 3
Idaho Resident Suicide Deaths
Crude Rates and Percentages by Age, Residence, Race and Ethnicity, and Mechanism by Gender
2013

	Total		Male		Female	
	Number	Rate or Percent	Number	Rate or Percent	Number	Rate or Percent
Total Deaths	12,426		6,402		6,024	
Suicide Deaths	308		244		64	
All Other Causes of Death	12,118		6,158		5,960	
Percentage All Deaths From Suicide		2.5%		3.8%		1.1%
Crude Rate Per 100,000		19.1		30.2		7.9
Suicide Rank for Leading Cause of Death	8th		6th		12th	
Age Group						
<15	3	2.5	3	4.8	-	-
15-24	47	20.8	34	29.3	13	11.9
25-34	49	23.1	45	41.9	4	3.8
35-44	41	20.8	31	31.1	10	10.3
45-54	65	32.4	47	47.0	18	17.9
55-64	46	23.5	32	33.2	14	14.1
65-74	36	27.4	32	49.5	4	6.0
75-84	15	23.2	14	46.7	1	2.9
85+	6	22.1	6	60.2	-	-
District of Residence						
District 1	41	18.8	32	29.6	9	8.2
District 2	18	16.9	16	29.4	2	3.8
District 3	56	21.3	43	32.9	13	9.8
District 4	77	16.8	61	26.5	16	7.0
District 5	41	21.7	33	34.8	8	8.5
District 6	44	26.1	31	36.7	13	15.4
District 7	31	14.9	28	26.8	3	2.9
Race and Ethnicity						
Non-Hispanic	297	20.9	239	33.7	58	8.1
Non-Hispanic White	293	21.5	237	35.0	56	8.2
Non-Hispanic Black	1	6.7	1	11.9	-	-
Non-Hispanic American Indian/Alaska Native	2	9.6	-	-	2	19.1
Non-Hispanic Asian/Pacific Islander	1	3.8	1	8.3	-	-
Hispanic	11	5.8	5	5.1	6	6.6
Mechanism						
Firearm	200	64.9%	171	70.1%	29	45.3%
Poisoning	54	17.5%	31	12.7%	23	35.9%
Hanging, strangulation, & suffocation	38	12.3%	33	13.5%	5	7.8%
Jumping from high place	4	1.3%	3	1.2%	1	1.6%
Drowning	2	0.6%	1	0.4%	1	1.6%
Cutting (sharp object)	2	0.6%	1	0.4%	1	1.6%
All other means	8	2.6%	4	1.6%	4	6.3%

Rate: Number of deaths per 100,000 population in the corresponding group. For the age group <15, number of deaths is based <15 years, and population is based on 10-14 years.
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 data bases. It is advised to show the number of deaths with the rate.

Table 4
Idaho Resident Suicide Deaths
Number and Crude Death Rate by District and County of Residence
1995-2013

	1995		1996		1997		1998		1999	
RESIDENCE	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
District 1	30	19.1	21	13.0	30	18.0	31	18.3	26	15.0
District 2	19	19.5	20	20.5	17	17.3	19	19.4	12	12.3
District 3	22	13.3	32	18.8	30	17.1	27	15.0	26	14.1
District 4	44	15.3	38	12.8	53	17.4	38	12.1	45	14.0
District 5	22	14.5	21	13.6	26	16.6	24	15.3	18	11.3
District 6	27	17.6	29	18.8	33	21.2	41	26.2	28	17.8
District 7	24	15.8	17	11.1	21	13.6	22	14.1	25	15.9
Ada	37	14.7	33	12.7	49	18.4	32	11.6	39	13.8
Adams	-	-	3	77.1	2	52.7	-	-	1	26.4
Bannock	16	21.9	10	13.6	19	25.7	24	32.3	14	18.7
Bear Lake	1	15.2	2	30.8	2	30.6	2	30.7	4	61.0
Benewah	1	11.4	2	22.4	4	44.5	-	-	1	11.0
Bingham	4	9.8	5	12.1	6	14.5	9	21.5	8	19.0
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
Bonner	7	21.2	6	17.7	4	11.5	11	31.1	7	19.4
Bonneville	15	18.9	12	15.1	16	20.0	8	9.9	15	18.4
Boundary	1	10.4	1	10.2	1	10.2	1	10.2	2	20.0
Butte	1	32.4	1	32.2	1	32.3	3	98.7	-	-
Camas	-	-	-	-	-	-	-	-	-	-
Canyon	13	11.9	20	17.8	16	13.7	14	11.6	19	15.3
Caribou	2	27.4	4	54.3	2	27.4	-	-	1	13.7
Cassia	2	9.5	7	32.8	4	18.7	3	14.1	3	13.9
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
Elmore	5	21.4	3	12.7	1	4.1	2	7.9	3	11.7
Franklin	-	-	2	19.0	2	18.5	2	18.0	-	-
Fremont	1	8.6	3	26.0	-	-	3	25.1	2	16.8
Gem	1	7.2	-	-	1	6.9	6	40.4	2	13.2
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
Jefferson	2	10.7	2	10.5	3	15.7	1	5.1	1	5.0
Jerome	3	17.7	3	17.3	1	5.7	2	11.1	3	16.6
Kootenai	16	17.4	8	8.4	19	19.2	16	15.8	15	14.3
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
Lewis	1	25.2	-	-	-	-	1	25.0	-	-
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
Nez Perce	11	30.2	9	24.6	6	16.3	11	29.9	8	21.7
Oneida	1	26.1	2	51.6	-	-	1	24.8	-	-
Owyhee	1	10.5	4	40.7	3	29.7	2	19.5	1	9.6
Payette	7	35.9	5	25.2	4	19.8	3	14.7	3	14.4
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
Teton	1	20.8	-	-	-	-	2	36.4	2	35.0
Twin Falls	11	18.6	4	6.6	10	16.3	9	14.5	3	4.8
Valley	2	25.6	2	25.1	1	12.4	3	37.5	2	25.5
Washington	-	-	-	-	4	39.8	2	19.6	-	-

Rate: Number of deaths 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 data bases. It is advised to show the number of deaths with the rate.

Table 4 (continued)
Idaho Resident Suicide Deaths
Number and Crude Death Rate by District and County of Residence
1995-2013

	2000		2001		2002		2003		2004	
RESIDENCE	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
IDAHO	166	12.8	213	16.1	203	15.1	218	16.0	239	17.2
District 1	35	19.6	45	24.7	38	20.6	28	14.8	32	16.5
District 2	11	10.9	26	26.2	24	24.0	21	20.9	17	16.9
District 3	27	14.1	29	14.5	19	9.2	26	12.2	43	19.5
District 4	38	11.0	47	13.2	52	14.3	57	15.4	62	16.5
District 5	15	9.2	30	18.3	33	20.0	31	18.5	25	14.8
District 6	17	10.8	17	10.8	27	17.1	27	17.1	31	19.5
District 7	23	14.4	19	11.7	10	6.1	28	16.6	29	16.7
Ada	32	10.6	41	13.1	50	15.6	49	15.1	53	15.9
Adams	1	28.8	1	29.2	-	-	-	-	-	-
Bannock	5	6.6	10	13.3	15	19.8	10	13.2	15	19.8
Bear Lake	3	46.8	2	31.5	1	15.7	5	79.3	-	-
Benewah	1	10.9	5	55.6	2	22.2	1	11.1	-	-
Bingham	5	12.0	5	11.8	9	21.2	9	21.0	11	25.5
Blaine	-	-	4	20.2	3	14.7	6	28.9	4	19.0
Boise	1	15.0	-	-	-	-	1	13.8	-	-
Bonner	9	24.4	10	26.7	6	15.7	7	17.9	6	15.0
Bonneville	9	10.9	7	8.4	5	5.9	14	16.1	15	16.7
Boundary	6	60.8	1	10.1	4	39.7	4	39.3	2	19.2
Butte	1	34.5	-	-	-	-	1	34.8	1	35.2
Camas	-	-	-	-	-	-	-	-	-	-
Canyon	19	14.5	21	15.0	11	7.6	18	11.9	30	19.0
Caribou	1	13.7	-	-	1	13.7	-	-	-	-
Cassia	1	4.7	2	9.3	7	32.2	6	27.8	2	9.3
Clark	-	-	1	103.0	-	-	-	-	-	-
Clearwater	-	-	1	11.7	3	35.5	2	23.8	-	-
Custer	1	23.0	2	46.6	-	-	-	-	2	48.6
Elmore	4	13.7	4	13.7	-	-	5	17.3	5	17.3
Franklin	1	8.8	-	-	-	-	1	8.4	1	8.2
Fremont	3	25.4	1	8.5	1	8.4	1	8.3	1	8.2
Gem	1	6.6	2	12.9	2	12.9	3	19.0	3	18.8
Gooding	-	-	3	21.1	4	28.0	3	20.9	2	13.9
Idaho	2	12.9	3	19.5	5	32.7	1	6.5	2	12.8
Jefferson	4	20.9	3	15.3	3	15.2	5	24.8	7	33.7
Jerome	3	16.4	1	5.4	6	32.1	3	15.9	2	10.4
Kootenai	15	13.8	26	23.2	24	21.1	13	11.1	21	17.2
Latah	-	-	9	26.1	6	17.0	4	11.4	5	14.2
Lemhi	3	38.4	2	26.3	1	13.1	4	51.7	1	12.8
Lewis	2	53.4	2	55.2	-	-	1	26.7	1	26.6
Lincoln	-	-	1	24.2	-	-	3	69.4	-	-
Madison	-	-	2	7.3	-	-	3	10.0	3	9.7
Minidoka	1	5.0	5	25.4	4	20.5	2	10.3	9	46.8
Nez Perce	7	18.7	11	29.7	10	26.9	13	34.5	9	23.8
Oneida	1	24.2	-	-	-	-	1	24.2	-	-
Owyhee	3	28.2	2	18.2	1	9.2	1	8.9	3	27.3
Payette	3	14.6	2	9.6	4	19.0	3	14.0	7	32.4
Power	-	-	-	-	1	13.6	-	-	3	40.1
Shoshone	4	29.0	3	22.3	2	15.3	3	23.1	3	23.4
Teton	3	50.0	1	15.6	-	-	1	14.2	-	-
Twin Falls	10	15.6	14	21.6	9	13.7	8	11.9	6	8.8
Valley	1	13.1	2	25.9	2	26.6	2	25.8	4	50.2
Washington	-	-	1	10.0	1	10.1	1	10.0	-	-

Rate: Number of deaths 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 data bases. It is advised to show the number of deaths with the rate.

Table 4 (continued)
Idaho Resident Suicide Deaths
Number and Crude Death Rate by District and County of Residence
1995-2013

	2005		2006		2007		2008		2009	
RESIDENCE	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
IDAHO	225	15.7	218	14.9	220	14.7	251	16.5	307	19.9
District 1	46	22.8	41	19.9	43	20.6	40	18.9	52	24.3
District 2	17	16.9	20	19.8	17	16.6	12	11.8	19	18.2
District 3	30	13.2	38	16.0	31	12.7	32	12.9	43	17.1
District 4	47	12.1	55	13.6	63	15.0	68	16.0	64	14.9
District 5	26	15.2	26	15.0	23	13.2	31	17.6	49	27.2
District 6	25	15.4	19	11.7	18	11.1	36	21.9	36	21.5
District 7	34	19.2	19	10.5	25	13.2	32	16.4	44	22.0
Ada	39	11.3	48	13.4	57	15.3	60	15.8	54	14.0
Adams	1	27.8	1	28.7	-	-	-	-	1	28.4
Bannock	10	12.8	4	5.1	9	11.3	17	21.0	22	26.7
Bear Lake	2	32.4	-	-	1	17.1	3	51.7	1	17.3
Benewah	1	10.8	1	10.7	2	21.6	1	10.7	3	32.4
Bingham	10	22.9	8	18.2	2	4.6	9	20.5	6	13.4
Blaine	5	23.6	1	4.7	3	13.9	3	13.8	5	22.4
Boise	2	26.5	1	13.1	2	26.4	2	26.7	3	40.3
Bonner	6	14.7	12	29.1	8	19.5	11	26.7	11	26.6
Bonneville	22	24.0	12	12.7	16	16.6	18	18.2	22	21.7
Boundary	3	28.3	3	27.7	4	36.8	1	9.1	4	36.5
Butte	-	-	1	36.0	-	-	1	36.4	-	-
Camas	-	-	-	-	1	90.7	-	-	2	180.3
Canyon	18	10.9	25	14.4	25	13.9	23	12.5	32	17.1
Caribou	2	28.0	2	28.6	3	43.7	2	29.3	-	-
Cassia	2	9.4	1	4.7	2	9.5	2	9.4	3	13.8
Clark	-	-	-	-	1	110.4	-	-	-	-
Clearwater	-	-	2	24.0	1	12.1	1	12.2	2	24.9
Custer	1	24.5	1	23.9	-	-	1	23.5	5	117.9
Elmore	3	10.5	5	17.8	3	10.4	5	17.2	6	20.8
Franklin	-	-	3	24.0	2	16.4	2	16.1	3	23.7
Fremont	3	24.5	1	8.1	-	-	3	23.9	3	23.6
Gem	5	30.7	3	18.1	-	-	3	18.2	4	24.3
Gooding	-	-	1	6.9	3	21.1	-	-	4	27.7
Idaho	2	12.7	2	12.7	3	19.6	1	6.5	5	32.3
Jefferson	4	18.5	2	8.9	3	13.1	1	4.2	6	24.2
Jerome	5	25.5	3	14.9	-	-	2	9.8	8	37.6
Kootenai	35	27.4	22	16.7	26	19.3	24	17.5	30	21.5
Latah	5	14.4	7	20.0	8	22.0	2	5.6	5	13.1
Lemhi	1	12.6	1	12.6	2	25.9	7	89.7	4	50.6
Lewis	2	53.3	-	-	-	-	1	27.8	-	-
Lincoln	-	-	-	-	3	66.7	-	-	2	43.1
Madison	1	3.2	1	3.2	3	8.2	1	2.7	1	2.6
Minidoka	2	10.5	4	21.0	2	10.8	7	37.5	1	5.2
Nez Perce	8	21.1	9	23.5	5	12.8	7	18.0	7	17.9
Oneida	-	-	-	-	1	24.4	-	-	2	47.4
Owyhee	3	27.1	1	9.0	1	9.2	3	27.6	1	8.9
Payette	1	4.5	6	26.6	4	17.6	2	8.7	5	21.6
Power	1	12.9	1	12.6	-	-	2	26.0	2	25.9
Shoshone	1	7.6	3	22.8	3	23.4	3	23.2	4	31.6
Teton	2	26.8	1	12.8	-	-	1	11.3	3	32.1
Twin Falls	12	17.3	16	22.4	9	12.3	17	22.9	24	31.9
Valley	3	36.0	1	11.3	1	11.2	1	11.3	1	11.5
Washington	2	19.8	2	19.6	1	9.9	1	9.8	-	-

Rate: Number of deaths 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 data bases. It is advised to show the number of deaths with the rate.

Table 4 (continued)
Idaho Resident Suicide Deaths
Number and Crude Death Rate by District and County of Residence
1995-2013

	2010		2011		2012		2013	
RESIDENCE	Number	Rate	Number	Rate	Number	Rate	Number	Rate
IDAHO	290	18.5	284	17.9	299	18.7	308	19.1
District 1	53	25.0	45	21.0	43	20.0	41	18.8
District 2	19	18.0	21	19.8	28	26.3	18	16.9
District 3	35	13.8	51	19.9	43	16.6	56	21.3
District 4	66	15.1	67	15.1	79	17.5	77	16.8
District 5	39	21.0	34	18.2	32	17.1	41	21.7
District 6	35	20.7	29	17.0	34	20.1	44	26.1
District 7	43	21.0	37	17.9	40	19.3	31	14.9
Ada	56	14.3	62	15.5	71	17.4	62	14.9
Adams	2	50.3	-	-	-	-	1	26.1
Bannock	22	26.6	16	19.1	19	22.7	22	26.4
Bear Lake	-	-	-	-	4	67.7	2	33.7
Benewah	1	10.8	2	21.7	2	21.9	1	11.1
Bingham	9	19.7	7	15.2	5	11.0	11	24.3
Blaine	7	32.7	3	14.2	2	9.5	6	28.1
Boise	1	14.2	-	-	4	58.5	4	58.9
Bonner	11	26.9	9	22.1	8	19.8	7	17.2
Bonneville	21	20.1	22	20.8	25	23.4	15	14.0
Boundary	4	36.5	3	27.8	5	46.3	1	9.2
Butte	2	69.2	1	35.4	-	-	-	-
Camas	-	-	-	-	-	-	-	-
Canyon	28	14.8	37	19.3	30	15.5	43	21.6
Caribou	-	-	3	43.8	3	44.2	3	44.1
Cassia	1	4.4	6	25.9	2	8.6	6	25.7
Clark	2	203.7	-	-			2	230.7
Clearwater	2	22.8	2	23.0	3	34.9	1	11.7
Custer	2	45.8	1	23.1	1	23.1	3	70.6
Elmore	6	22.2	3	11.4	3	11.4	10	38.2
Franklin	1	7.8	2	15.6	2	15.6	4	31.1
Fremont	3	22.7	-	-	3	23.2	2	15.5
Gem	1	6.0	5	30.0	4	24.0	2	12.0
Gooding	2	12.9	3	19.4	5	32.7	1	6.6
Idaho	3	18.4	3	18.2	2	12.3	3	18.6
Jefferson	6	23.0	7	26.6	2	7.5	3	11.1
Jerome	8	35.8	5	22.0	6	26.7	4	17.8
Kootenai	31	22.4	28	19.8	25	17.6	26	18.0
Latah	4	10.7	3	8.0	5	13.1	6	15.8
Lemhi	2	25.2	1	12.6	5	64.4	2	25.9
Lewis	-	-	1	26.2	3	77.1	1	25.6
Lincoln	2	38.4	-	-	1	19.0	1	18.8
Madison	-	-	3	7.9	3	8.0	3	8.0
Minidoka	4	19.9	1	5.0	3	15.0	3	14.8
Nez Perce	10	25.5	12	30.3	15	37.9	7	17.5
Oneida	1	23.3	-	-	1	23.7	-	-
Owyhee	-	-	2	17.5	3	26.2	2	17.4
Payette	2	8.8	4	17.7	3	13.3	5	22.1
Power	-	-	-	-	-	-	2	25.9
Shoshone	6	47.0	3	23.7	3	23.6	6	47.3
Teton	7	68.8	3	29.5	1	9.9	1	9.7
Twin Falls	15	19.4	16	20.5	13	16.5	20	25.0
Valley	3	30.4	2	20.8	1	10.5	1	10.4
Washington	2	19.6	3	29.3	3	29.7	3	30.2

Rate: Number of deaths 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 data bases.

Table 5
Idaho Resident Suicide Deaths
Number, Crude Rate, and Age Adjusted Rate by District and County of Residence
Five-Year Aggregate: 2009-2013

		Number	Crude Death Rate	Age-Adjusted Rate
IDAHO		1,488	18.8	19.2
District 1	TOTAL	234	21.8	20.5
	Benewah	9	19.6	23.8
	Bonner	46	22.5	20.5
	Boundary	17	31.3	28.7
	Kootenai	140	19.8	18.7
	Shoshone	22	34.7	34.6
District 2	TOTAL	105	19.8	18.6
	Clearwater	10	23.4	22.5
	Idaho	16	19.9	16.5
	Latah	23	12.2	13.0
	Lewis	5	26.1	27.4
	Nez Perce	51	25.8	23.9
District 3	TOTAL	228	17.8	18.9
	Adams	4	20.8	20.1
	Canyon	170	17.7	19.2
	Gem	16	19.2	19.8
	Owyhee	8	14.0	14.8
	Payette	19	16.7	17.2
	Washington	11	21.7	21.5
District 4	TOTAL	353	15.9	15.8
	Ada	305	15.2	15.1
	Boise	12	34.2	39.8
	Elmore	28	20.8	21.7
	Valley	8	16.9	20.0
District 5	TOTAL	195	21.0	21.9
	Blaine	23	21.4	20.8
	Camas	2	36.6	43.9
	Cassia	18	15.7	15.2
	Gooding	15	19.8	21.3
	Jerome	31	27.8	30.5
	Lincoln	6	23.4	22.6
	Minidoka	12	12.0	13.3
	Twin Falls	88	22.6	23.8
District 6	TOTAL	178	21.1	22.5
	Bannock	101	24.3	26.0
	Bear Lake	7	23.6	22.5
	Bingham	38	16.7	18.8
	Butte	3	21.6	16.5
	Caribou	9	26.2	27.2
	Franklin	12	18.8	20.3
	Oneida	4	18.9	18.9
	Power	4	10.3	9.6
District 7	TOTAL	195	19.0	20.4
	Bonneville	105	20.0	21.6
	Clark	4	86.6	97.2
	Custer	12	55.8	54.4
	Fremont	11	16.9	17.3
	Jefferson	24	18.3	20.6
	Lemhi	14	35.6	30.6
	Madison	10	5.3	7.7
	Teton	15	30.0	32.8

Rate: Number of deaths per 100,000 population.

Some rates are based on small numbers; caution must be exercised when attempting to draw conclusions. It is recommended to show the number of deaths with the rate.

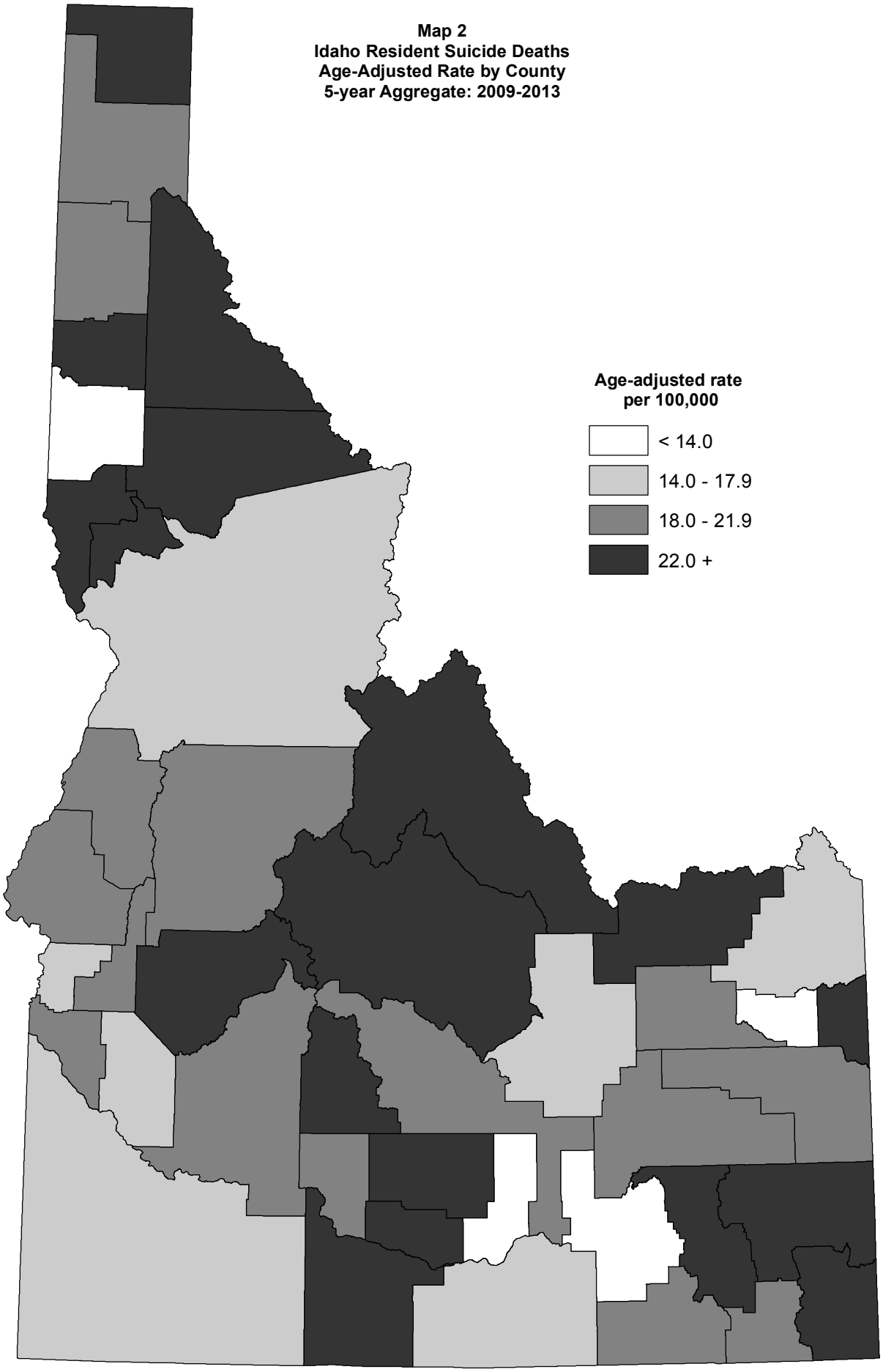

Map 2
Idaho Resident Suicide Deaths
Age-Adjusted Rate by County
5-year Aggregate: 2009-2013
Age-adjusted rate
per 100,000
< 14.0
14.0 - 17.9
18.0 - 21.9
22.0 +

Table 6
Idaho Resident Suicide Deaths
District and County of Residence by Age Group
Five-Year Aggregate: 2009-2013

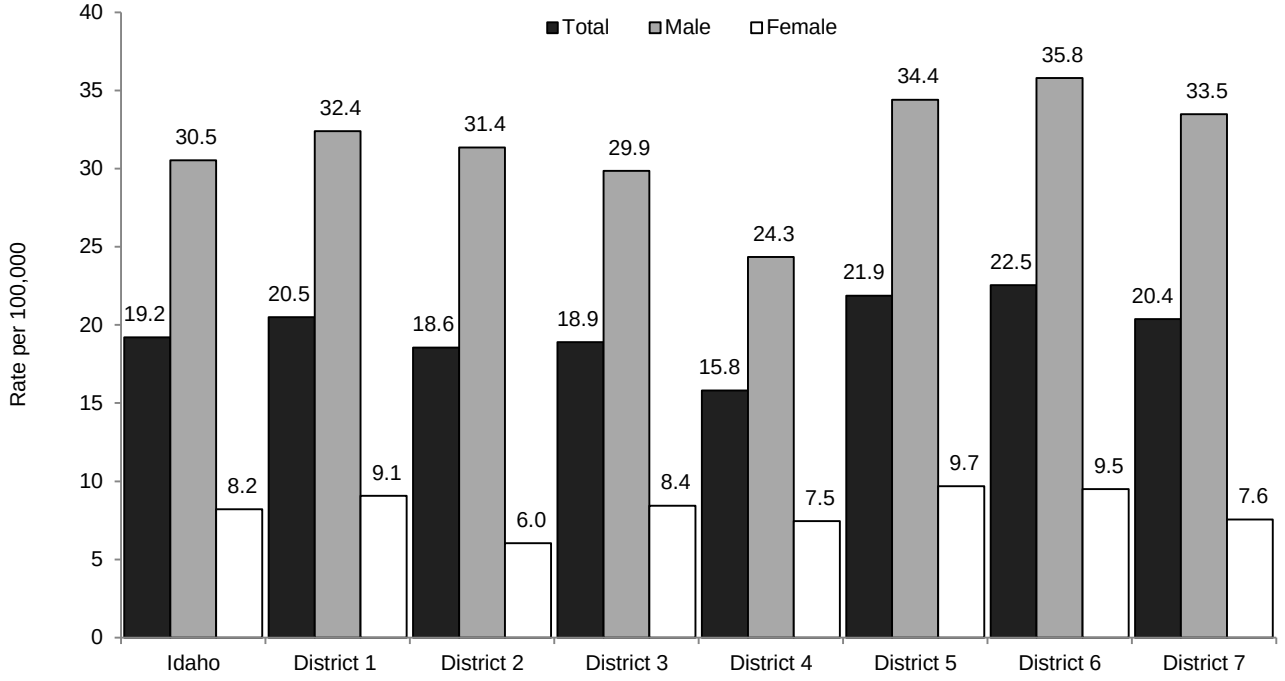
		AGE GROUP											
		AGE <25											
RESIDENCE	TOTAL	Total	<15	15-17	18-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
IDAHO	1,488	234	15	52	48	119	202	262	321	243	119	68	39
District 1	234	28	2	6	10	10	26	29	55	50	25	18	3
District 2	105	13	-	3	3	7	8	13	26	21	9	9	6
District 3	228	44	2	8	11	23	25	48	50	32	14	9	6
District 4	353	50	3	12	11	24	50	67	87	57	24	8	10
District 5	195	27	2	5	5	15	26	39	32	32	22	11	6
District 6	178	25	3	6	2	14	36	31	39	25	14	6	2
District 7	195	47	3	12	6	26	31	35	32	26	11	7	6
Ada	305	41	3	9	11	18	45	57	73	55	19	8	7
Adams	4	-	-	-	-	-	-	1	1	-	1	1	-
Bannock	101	9	2	-	1	6	23	20	21	17	8	3	-
Bear Lake	7	2	-	-	-	2	1	-	1	1	1	-	1
Benewah	9	2	-	-	1	1	3	1	2	1	-	-	-
Bingham	38	8	1	3	1	3	10	8	8	2	2	-	-
Blaine	23	2	-	-	1	1	3	4	3	4	5	2	-
Boise	12	1	-	-	-	1	1	4	3	-	2	-	1
Bonner	46	6	-	2	1	3	3	6	7	11	7	6	-
Bonneville	105	25	1	4	2	18	20	19	21	13	3	4	-
Boundary	17	1	-	-	-	1	2	2	5	5	2	-	-
Butte	3	-	-	-	-	-	-	-	1	1	-	1	-
Camas	2	1	-	-	-	1	-	-	1	-	-	-	-
Canyon	170	31	1	4	9	17	22	37	38	24	8	6	4
Caribou	9	1	-	-	-	1	2	1	2	2	-	1	-
Cassia	18	3	1	1	1	-	2	1	2	3	3	-	4
Clark	4	-	-	-	-	-	1	2	-	-	1	-	-
Clearwater	10	2	-	1	1	-	1	1	2	1	2	-	1
Custer	12	1	-	-	-	1	1	3	-	2	2	1	2
Elmore	28	7	-	2	-	5	3	4	8	2	3	-	1
Franklin	12	5	-	3	-	2	-	1	3	-	1	1	1
Fremont	11	3	-	2	1	-	-	2	2	4	-	-	-
Gem	16	6	-	3	1	2	1	2	2	4	1	-	-
Gooding	15	3	-	-	-	3	2	2	5	-	1	2	-
Idaho	16	1	-	-	-	1	-	2	4	4	2	1	2
Jefferson	24	6	-	1	1	4	5	5	2	3	2	-	1
Jerome	31	5	-	1	-	4	2	6	9	4	3	1	1
Kootenai	140	17	1	4	7	5	15	15	39	29	15	8	2
Latah	23	5	-	1	1	3	1	2	7	3	1	4	-
Lemhi	14	1	-	-	-	1	-	2	3	1	3	2	2
Lewis	5	1	-	-	-	1	1	-	2	1	-	-	-
Lincoln	6	-	-	-	-	-	1	1	1	3	-	-	-
Madison	10	3	1	2	-	-	2	1	3	-	-	-	1
Minidoka	12	1	-	1	-	-	2	3	2	2	1	1	-
Nez Perce	51	4	-	1	1	2	5	8	11	12	4	4	3
Oneida	4	-	-	-	-	-	-	1	1	1	1	-	-
Owyhee	8	1	-	1	-	-	-	3	1	1	2	-	-
Payette	19	4	1	-	-	3	2	2	7	1	1	1	1
Power	4	-	-	-	-	-	-	-	2	1	1	-	-
Shoshone	22	2	1	-	1	-	3	5	2	4	1	4	1
Teton	15	8	1	3	2	2	2	1	1	3	-	-	-
Twin Falls	88	12	1	2	3	6	14	22	9	16	9	5	1
Valley	8	1	-	1	-	-	1	2	3	-	-	-	1
Washington	11	2	-	-	1	1	-	3	1	2	1	1	1

Table 7
Idaho Resident Suicide Deaths
Number and Age-Adjusted Rate by Gender and District of Residence
Five-Year Aggregate: 2009-2013

GENDER		TOTAL	DISTRICT OF RESIDENCE 1	2	3	4	5	6	7
Total	Total, Both Genders	1,488	234	105	228	353	195	178	195
	Age-Adjusted Rate	19.2	20.5	18.6	18.9	15.8	21.9	22.5	20.4
Male	Total, Males	1,173	182	90	178	268	154	143	158
	Age-Adjusted Rate	30.5	32.4	31.4	29.9	24.3	34.4	35.8	33.5
Female	Total, Females	315	52	15	50	85	41	35	37
	Age-Adjusted Rate	8.2	9.1	6.0	8.4	7.5	9.7	9.5	7.6

Rate: number of deaths per 100,000 population in the District. Rates for males and females are per 100,000 males and females, respectively.

Chart 4
Idaho Resident Suicide Deaths
Age-Adjusted Rate by Gender and District of Residence
Five-Year Aggregate: 2009-2013



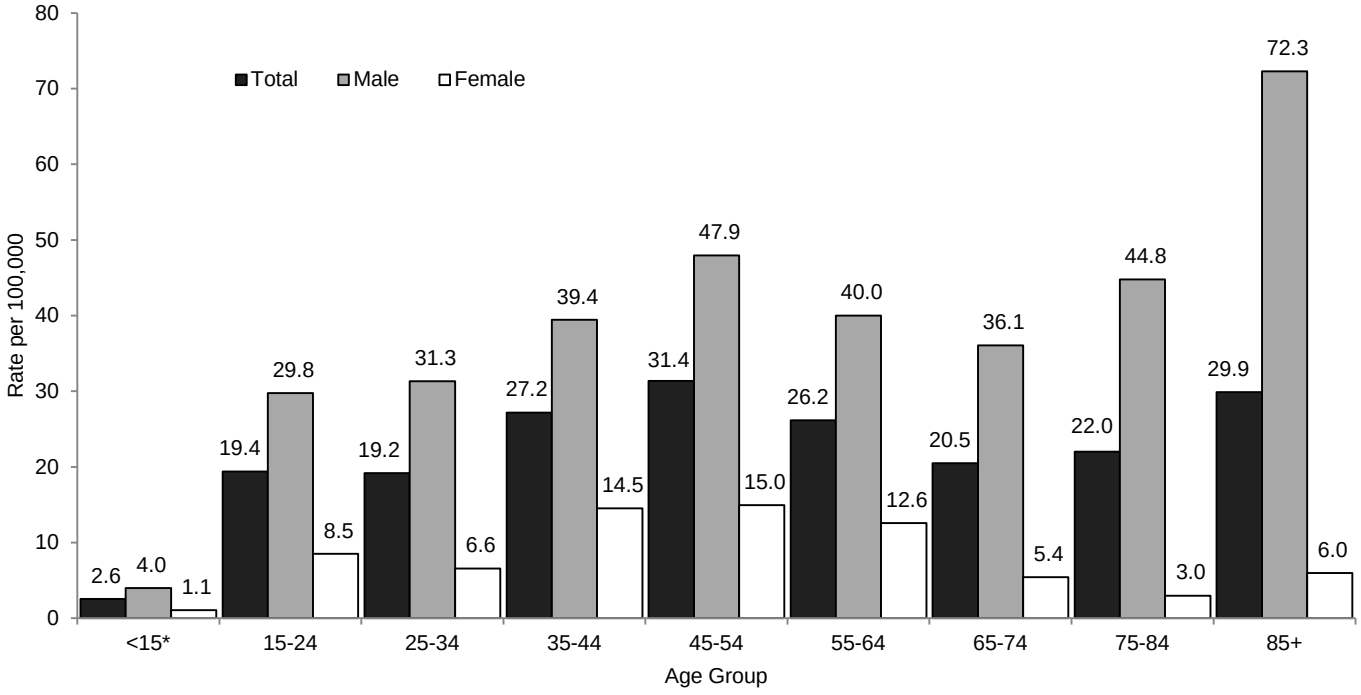
Rate: number of deaths per 100,000 population in the District. Rates for males and females are per 100,000 males and females, respectively.

Table 8
Idaho Resident Suicide Deaths
Number, Age-Adjusted Rate, and Age-Specific Rate by Gender
Five-Year Aggregate: 2009-2013

AGE GROUP	TOTAL		MALE		FEMALE	
	Number	Age-Adjusted Rate and Age-Specific Rates	Number	Age-Adjusted Rate and Age-Specific Rates	Number	Age-Adjusted Rate and Age-Specific Rates
Total	1,488	19.2	1,173	30.5	315	8.2
<15*	15	2.6	12	4.0	3	1.1
15-24	219	19.4	172	29.8	47	8.5
25-34	202	19.2	168	31.3	34	6.6
35-44	262	27.2	193	39.4	69	14.5
45-54	321	31.4	244	47.9	77	15.0
55-64	243	26.2	184	40.0	59	12.6
65-74	119	20.5	103	36.1	16	5.4
75-84	68	22.0	63	44.8	5	3.0
85+	39	29.9	34	72.3	5	6.0

Note: The reader is cautioned that rates based on small numbers (<20 events) are considered unstable; cautioned must be exercised when attempting to draw conclusions from small data bases. 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: 2009-2013

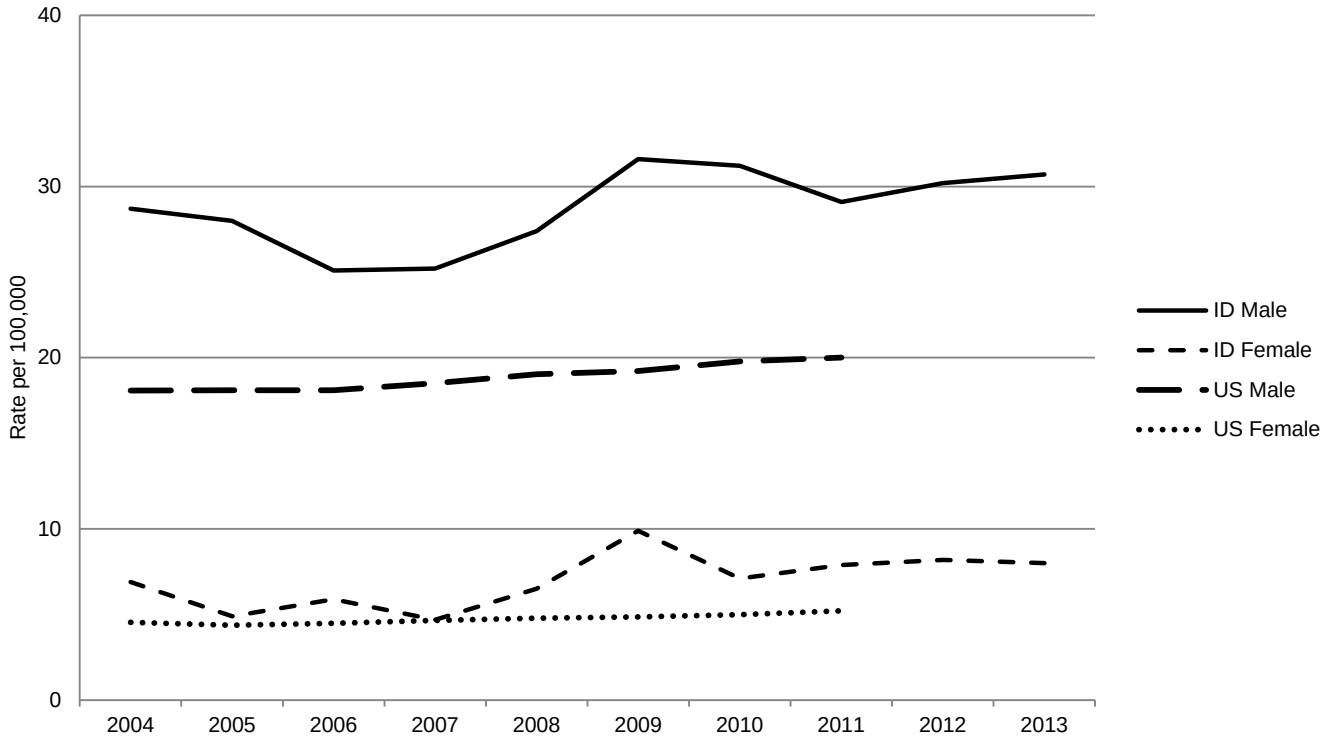


Rate: number of deaths per 100,000 population. Rates for men and women are per 100,000 within specified gender and age groups.
*Rates for <15 are based on persons aged <15 for deaths and aged 10-14 for population.

Table 9
Idaho and U.S. Resident Suicide Deaths
Number, Crude Rates, and Age-Adjusted Rates by Gender and Year
Ten-Year Trend: 2004-2013

Year	Males						Females					
	Idaho			U.S.			Idaho			U.S.		
	Deaths	Crude Rate	Age-Adjusted Rate	Deaths	Crude Rate	Age-Adjusted Rate	Deaths	Crude Rate	Age-Adjusted Rate	Deaths	Crude Rate	Age-Adjusted Rate
2004	192	27.5	28.7	25,566	17.8	18.1	47	6.8	6.9	6,873	4.6	4.5
2005	190	26.5	28.0	25,907	17.8	18.1	35	4.9	4.9	6,730	4.5	4.4
2006	177	24.0	25.1	26,308	17.9	18.1	41	5.6	5.9	6,992	4.6	4.5
2007	186	24.7	25.2	27,269	18.4	18.5	34	4.6	4.7	7,329	4.8	4.7
2008	203	26.5	27.4	28,450	19.0	19.0	48	6.3	6.5	7,585	4.9	4.8
2009	235	30.3	31.6	29,089	19.3	19.2	72	9.4	9.9	7,820	5.0	4.9
2010	237	30.2	31.2	30,277	20.0	19.8	53	6.8	7.1	8,087	5.2	5.0
2011	222	28.0	29.1	31,003	20.2	20.0	62	7.8	7.9	8,515	5.4	5.2
2012	235	29.4	30.2	2011 is the latest year U.S. final data are available.			64	8.0	8.2	2011 is the latest year U.S. final data are available.		
2013	244	30.2	30.7				64	7.9	8.0			

Chart 6
Idaho and U.S. Resident Suicide Deaths
Age-Adjusted Rates by Gender
Ten-Year Trend: 2004-2013



Crude rate: Number of deaths per 100,000 population by gender.
Age-adjusted rate: Number of deaths per 100,000 population age-adjusted to the U.S. 2000 Standard population.
U.S. data Source: NCHS Vital Statistics System for numbers of deaths. Bureau of Census for population estimates.

Table 10
Idaho Resident Suicide Deaths Among Men
Youth, Young Adults, Working-Age, and Senior
Five-Year Aggregate: 2009-2013

	AGE GROUP							
	10-17		18-24		25-64		65+	
	Number	Rate or Percent	Number	Rate or Percent	Number	Rate or Percent	Number	Rate or Percent
Total Deaths	162		439		8,299		20,939	
Suicide Deaths	55		129		789		200	
All Other Causes of Death	107		310		7,510		20,739	
Percentage All Deaths From Suicide		34.0%		29.4%		9.5%		1.0%
Suicide Rate Per 100,000		11.5		32.3		39.6		42.3
Suicide Rank for Leading Cause of Death	2nd		2nd		4th		13th	
District of Residence								
District 1	7	11.5	14	32.1	120	43.3	41	48.9
District 2	3	12.0	9	21.4	55	42.0	23	54.9
District 3	6	7.0	28	47.9	117	38.0	27	35.5
District 4	13	10.0	25	23.9	196	32.3	34	30.1
District 5	6	10.4	15	35.2	99	43.0	34	57.7
District 6	8	14.6	14	31.2	101	50.1	20	41.0
District 7	12	18.4	24	37.5	101	42.0	21	41.1
Ever in the U.S. Armed Forces								
Number and Percentage of Suicide Deaths to Males who were ever in the U.S. Armed Forces	-	0.0%	13	10.1%	179	22.7%	128	64.0%
Number and Percentage of Non-Suicide Deaths to Males who were ever in the U.S. Armed Forces	-	0.0%	15	4.8%	2,142	28.5%	13,898	67.0%
Mechanism of Suicide								
Firearm	35	63.6%	84	65.1%	502	63.6%	173	86.5%
Poisoning	1	1.8%	5	3.9%	114	14.4%	13	6.5%
Hanging, strangulation, & suffocation	19	34.5%	33	25.6%	138	17.5%	9	4.5%
Jumping from high place	-	0.0%	4	3.1%	8	1.0%	1	0.5%
Drowning	-	0.0%	1	0.8%	6	0.8%	3	1.5%
Cutting (sharp object)	-	0.0%	-	0.0%	8	1.0%	1	0.5%
All other means	-	0.0%	2	1.6%	13	1.6%	-	0.0%

Rate: Number of deaths per 100,000 males in the corresponding group. For the age group 10-17, total number of deaths is based 10-17 years, population is based on 10-17 years, and number of suicide deaths is based on < 18 years.

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 data bases. It is advised to show the number of deaths with the rate.

Table 11
Idaho Resident Suicide Deaths Among Women
Youth, Young Adults, Working-Age, and Senior
Five-Year Aggregate: 2009-2013

	AGE GROUP							
	10-17		18-24		25-64		65+	
	Number	Rate or Percent	Number	Rate or Percent	Number	Rate or Percent	Number	Rate or Percent
Total Deaths	405		208		5,120		22,849	
Suicide Deaths	12		38		239		26	
All Other Causes of Death	393		170		4,881		22,823	
Percentage All Deaths From Suicide		3.0%		18.3%		4.7%		0.1%
Suicide Rate Per 100,000		2.7		9.9		12.1		4.8
Suicide Rank for Leading Cause of Death	2nd		2nd		5th		23rd	
District of Residence								
District 1	1	1.7	6	14.8	40	14.0	5	5.5
District 2	-	-	1	2.7	13	10.3	1	2.2
District 3	4	4.9	6	10.7	38	12.1	2	2.2
District 4	2	1.6	10	10.3	65	11.0	8	5.9
District 5	1	1.8	5	12.8	30	13.4	5	7.3
District 6	1	1.9	2	4.5	30	14.9	2	3.6
District 7	3	4.9	8	11.2	23	9.9	3	5.1
Ever in the U.S. Armed Forces								
Number and Percentage of Suicide Deaths to Females who were ever in the U.S. Armed Forces	-	0.0%	1	2.6%	12	5.0%	-	0.0%
Number and Percentage of Non-Suicide Deaths to Females who were ever in the U.S. Armed Forces	-	0.0%	-	0.0%	106	2.2%	441	1.9%
Mechanism of Suicide								
Firearm	4	33.3%	10	26.3%	81	33.9%	14	53.8%
Poisoning	2	16.7%	8	21.1%	104	43.5%	8	30.8%
Hanging, strangulation, & suffocation	5	41.7%	14	36.8%	41	17.2%	2	7.7%
Jumping from high place	-	0.0%	1	2.6%	3	1.3%	-	0.0%
Drowning	1	8.3%	3	7.9%	2	0.8%	2	7.7%
Cutting (sharp object)	-	0.0%	-	0.0%	1	0.4%	-	0.0%
All other means	-	0.0%	2	5.3%	7	2.9%	-	0.0%

Rate: Number of deaths per 100,000 females in the corresponding group. For the age group 10-17, total number of deaths is based 10-17 years, population is based on 10-17 years, and number of suicide deaths is based on < 18 years.

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 data bases. It is advised to show the number of deaths with the rate.

Table 12
Idaho Resident Suicide Deaths
Number of Deaths and Age-Adjusted Rate by Race by Ethnicity* and Gender
Five-Year Aggregate: 2009-2013

RACE BY ETHNICITY	TOTAL		GENDER			
			MALE		FEMALE	
	Number	Age-Adjusted Rate	Number	Age-Adjusted Rate	Number	Age-Adjusted Rate
TOTAL	1,488	19.2	1,173	30.5	315	8.2
Non-Hispanic	1,422	20.3	1,126	32.5	296	8.5
Non-Hispanic White	1,386	20.6	1,101	33.1	285	8.6
Non-Hispanic Black	6	13.0	6	20.9	-	-
Non-Hispanic American Indian/Alaska Native	24	23.1	14	27.7	10	19.4
Non-Hispanic Asian/Pacific Islander	5	4.1	4	7.0	1	1.4
Hispanic	65	8.5	46	11.4	19	5.3

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 data bases. It is advised to show the number of deaths with the rate.

Rate: number of deaths per 100,000 population. Rates for men and women are per 100,000 within specified gender and age groups.

Table 13
Idaho Resident Suicide Deaths
Number of Deaths by Race by Ethnicity* and Age Group
Five-Year Aggregate: 2009-2013

RACE BY ETHNICITY	AGE GROUP											
	AGE <25											
	Total < 25	<15	15-17	18-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
TOTAL	234	15	52	48	119	202	261	321	243	119	68	39
Non-Hispanic	212	15	48	42	107	189	251	308	240	115	68	39
Non-Hispanic White	204	13	46	40	105	181	245	299	237	113	68	39
Non-Hispanic Black	1	-	-	1	-	-	1	4	-	-	-	-
Non-Hispanic American Indian/Alaska Native	6	1	2	1	2	7	4	4	1	2	-	-
Non-Hispanic Asian/Pacific Islander	1	1	-	-	-	1	1	1	1	-	-	-
Hispanic	22	-	4	6	12	13	10	13	3	4	-	-

*Data based on records where race and ethnicity are known. From 2009-2013 there were two records with either race or ethnicity not stated or race was "multiple" race or "other race". These deaths are included in the total and in the total for males in table 12, and in the totals for the 35-44 and 55-64 age groups in table 13.

Table 14
Idaho Resident Deaths
Total Deaths and Suicide Deaths, Percentage, Mean Age, and Rank For Leading Cause of Death
Race and Ethnicity, Gender, District of Residence, and Age Group
Five-Year Aggregate: 2009-2013

RACE BY ETHNICITY	TOTAL DEATHS	SUICIDE DEATHS			
		Number	Percent of Total Deaths	Mean Age At Death	Rank for Leading Cause of Death
TOTAL	58,885	1,488	2.5	45.8	8th
RACE BY ETHNICITY*					
Non-Hispanic	56,873	1,422	2.5	46.3	8th
Non-Hispanic White	55,639	1,386	2.5	46.4	8th
Non-Hispanic Black	157	6	3.8	42.3	6th
Non-Hispanic American Indian/Alaska Native	654	24	3.7	35.9	8th
Non-Hispanic Asian/Pacific Islander	387	5	1.3	35.0	11th
Hispanic	1,912	65	3.4	35.5	6th
GENDER					
Male	30,303	1,173	3.9	46.2	6th
Female	28,582	315	1.1	44.3	11th
DISTRICT OF RESIDENCE					
District 1	9,877	234	2.4	49.3	8th
District 2	5,137	105	2.0	51.9	9th
District 3	9,527	228	2.4	44.2	8th
District 4	13,738	353	2.6	45.1	8th
District 5	7,573	195	2.6	47.5	8th
District 6	6,610	178	2.7	43.6	7th
District 7	6,423	195	3.0	41.7	8th
AGE GROUP					
<15**	86	15	17.4	NA	2nd
15-24	803	219	27.3	NA	2nd
25-34	970	202	20.8	NA	2nd
35-44	1,602	262	16.4	NA	2nd
45-54	3,780	321	8.5	NA	4th
55-64	7,067	243	3.4	NA	7th
65-74	10,047	119	1.2	NA	9th
75-84	14,530	68	0.5	NA	16th
85+	19,211	39	0.2	NA	18th

NA: not applicable.

*Total deaths and total non-Hispanic deaths includes 22 deaths with "other race", 9 deaths with "multiple race", and 5 deaths with race not known. Total deaths includes 100 deaths with ethnicity not known.

**Numbers for age <15 are based on persons aged <15 for suicide deaths, and aged 10-14 for total deaths and population.

Table 15
Idaho Resident Suicide Deaths
Mechanism of Injury by Gender and Age Group
Five-Year Aggregate: 2009-2013

MECHANISM	Total	GENDER		AGE GROUP								
				Age < 25								
		Male	Female	Total	<15	15-17	18-19	20-24	25-44	45-64	65-84	85+
TOTAL	1,488	1,173	315	234	15	52	48	119	464	564	187	39
Firearm	903	794	109	133	6	33	22	72	257	326	152	35
Poisoning	255	133	122	16	-	3	4	9	90	128	19	2
Hanging, strangulation, and suffocation	261	199	62	71	9	15	17	30	99	80	9	2
Jumping from high place	17	13	4	5	-	-	1	4	4	7	1	-
Drowning	18	10	8	5	-	1	3	1	1	7	5	-
Cutting (Sharp object)	10	9	1	-	-	-	-	-	5	4	1	
All other means	24	15	9	4	-	-	1	3	8	12	-	-

Table 16
Idaho Resident Suicide Deaths
Percentage of Suicide Deaths by Mechanism of Injury by Gender and Age Group
Five-Year Aggregate: 2009-2013

MECHANISM	Total	GENDER		AGE GROUP								
				Age < 25								
		Male	Female	Total	<15	15-17	18-19	20-24	25-44	45-64	65-84	85+
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Firearm	60.7	67.7	34.6	56.8	40.0	63.5	45.8	60.5	55.4	57.8	81.3	89.7
Poisoning	17.1	11.3	38.7	6.8	-	5.8	8.3	7.6	19.4	22.7	10.2	5.1
Hanging, strangulation, and suffocation	17.5	17.0	19.7	30.3	60.0	28.8	35.4	25.2	21.3	14.2	4.8	5.1
Jumping from high place	1.1	1.1	1.3	2.1	-	-	2.1	3.4	0.9	1.2	0.5	-
Drowning	1.2	0.9	2.5	2.1	-	1.9	6.3	0.8	0.2	1.2	2.7	-
Cutting (Sharp object)	0.7	0.8	0.3	-	-	-	-	-	1.1	0.7	0.5	-
All other means	1.6	1.3	2.9	1.7	-	-	2.1	2.5	1.7	2.1	-	-

Table 17
Idaho Resident Suicide Deaths
Number and Percentage by Mechanism of Injury and Year of Death
Five-Year Aggregate: 2009-2013

	TOTAL		2009		2010		2011		2012		2013	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
TOTAL	1,488	100.0	307	100.0	290	100.0	284	100.0	299	100.0	308	100.0
Firearm	903	60.7	178	58.0	182	62.8	166	58.5	177	59.2	200	64.9
Poisoning	255	17.1	61	19.9	43	14.8	55	19.4	42	14.0	54	17.5
Hanging, strangulation, and suffocation	261	17.5	53	17.3	55	19.0	48	16.9	67	22.4	38	12.3
Jumping from high place	17	1.1	6	2.0	-	-	3	1.1	4	1.3	4	1.3
Drowning	18	1.2	3	1.0	4	1.4	2	0.7	7	2.3	2	0.6
Cutting (Sharp object)	10	0.7	2	0.7	3	1.0	3	1.1	-	-	2	0.6
All other means	24	1.6	4	1.3	3	1.0	7	2.5	2	0.7	8	2.6

Table 18
Idaho Resident Suicide Deaths
Number and Percentage of Suicides by Mechanism of Injury and Gender
Five-Year Aggregate: 2009-2013

ICD-10 CODE AND MECHANISM	NUMBER			GENDER SPECIFIC RATE			PERCENT		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
TOTAL	1,488	1,173	315	18.8	29.6	8.0	100.0%	100.0%	100.0%
(X60-X69) POISONING	**255**	**133**	**122**	**3.2**	**3.4**	**3.1**	**17.1%**	**11.3%**	**38.7%**
(X60) Suicide by and exposure to nonopioid analgesics, antipyretics, and antirheumatics	3	-	3	-	-	0.1	0.2%	-	1.0%
(X61) Suicide by and exposure to antiepileptic, sedative-hypnotic, antiparkinsonism, and psychotropic drugs, not elsewhere classified	34	17	17	0.4	0.4	0.4	2.3%	1.4%	5.4%
(X62) Suicide by and exposure to narcotics and psychodysleptics [hallucinogens],not elsewhere classified	15	7	8	0.2	0.2	0.2	1.0%	0.6%	2.5%
(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	142	63	79	1.8	1.6	2.0	9.5%	5.4%	25.1%
(X65) Suicide by and exposure to alcohol	-	-	-	-	-	-	-	-	-
(X66) Suicide by and exposure to organic solvents and halogenated hydrocarbons and their vapors	6	4	2	0.1	0.1	0.1	0.4%	0.3%	0.6%
(X67) Suicide by and exposure to other gases and vapors	52	39	13	0.7	1.0	0.3	3.5%	3.3%	4.1%
(X68) Suicide by and exposure to pesticides	-	-	-	-	-	-	-	-	-
(X69) Suicide by and exposure to other and unspecified chemicals and noxious substances	3	3	-	-	0.1	-	0.2%	0.3%	-
(X70) HANGING, STRANGULATION, AND SUFFOCATION	**261**	**199**	**62**	**3.3**	**5.0**	**1.6**	**17.5%**	**17.0%**	**19.7%**
(X71) DROWNING AND SUBMERSION	**18**	**10**	**8**	**0.2**	**0.3**	**0.2**	**1.2%**	**0.9%**	**2.5%**
(X72-X74) FIREARM	**903**	**794**	**109**	**11.4**	**20.0**	**2.8**	**60.7%**	**67.7%**	**34.6%**
(X72) Suicide by handgun discharge	384	330	54	4.9	8.3	1.4	25.8%	28.1%	17.1%
(X73) Suicide by rifle, shotgun, and larger firearm discharge	161	153	8	2.0	3.9	0.2	10.8%	13.0%	2.5%
(X74) Suicide by other and unspecified firearm discharge	358	311	47	4.5	7.9	1.2	24.1%	26.5%	14.9%
(X80) JUMPING FROM A HIGH PLACE	**17**	**13**	**4**	**0.2**	**0.3**	**0.1**	**1.1%**	**1.1%**	**1.3%**
(X75-X79, X81-X84 AND Y87.0) ALL OTHER	**34**	**24**	**10**	**0.4**	**0.6**	**0.3**	**2.3%**	**2.0%**	**3.2%**
(X75) Suicide by explosive material	-	-	-	-	-	-	-	-	-
(X76) Suicide by smoke, fire, and flames	1	-	1	-	-	-	0.1%	-	0.3%
(X77) Suicide by steam, hot vapors, or hot object	-	-	-	-	-	-	-	-	-
(X78) Suicide by sharp object	10	9	1	0.1	0.2	-	0.7%	0.8%	0.3%
(X79) Suicide by blunt object	-	-	-	-	-	-	-	-	-
(X81) Suicide by jumping or lying before moving object	6	2	4	0.1	0.1	0.1	0.4%	0.2%	1.3%
(X82) Suicide by crashing of motor vehicle	9	6	3	0.1	0.2	0.1	0.6%	0.5%	1.0%
(X83) Suicide by other specified means	5	4	1	0.1	0.1	-	0.3%	0.3%	0.3%
(X84) Suicide by unspecified means	3	3	-	-	0.1	-	0.2%	0.3%	-
(Y87.0) Sequelae of suicide	-	-	-	-	-	-	-	-	-

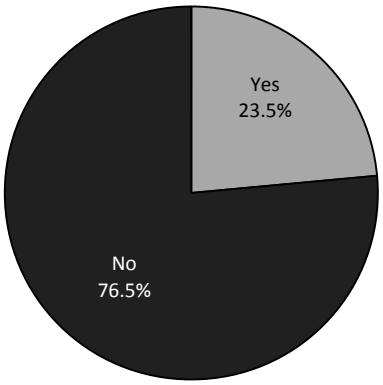
Rate: number of deaths per 100,000 population by gender.

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

Table 19
Idaho Resident Suicide Deaths to Adults Aged 18 and Older
Military Status by Year of Death
1999-2013

YEAR	TOTAL	Military Status		
		Yes	No	Unknown
TOTAL	3,453	885	2,544	24
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	-
2012	280	59	220	1
2013	296	70	224	2

Chart 7
Idaho Resident Suicide Deaths to Adults Aged 18 and Older
Percent by Military Status
5-Year Aggregate: 2009-2013



(Based on 1,421 Deaths)

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

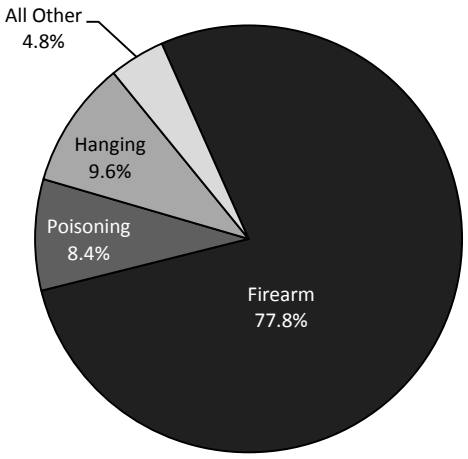
Special note for comparison: For all other deaths to persons aged 18 and older, 29.5 percent were ever in the U.S. Armed Forces and 70.5 percent not ever in the Armed Forces. Percentages are based on records where military status was known, deaths from 2009 to 2013.

Table 20
Idaho Resident Suicide Deaths to Adults Aged 18 and Older
Military Status by Mechanism of Injury
Five-Year Aggregate: 2009-2013

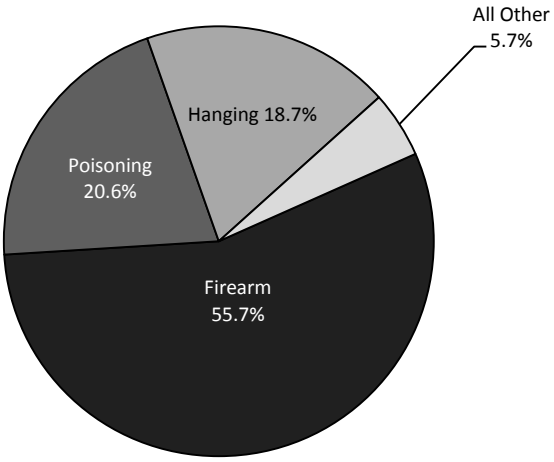
MECHANISM	TOTAL	MILITARY STATUS		
		Yes	No	Unknown
TOTAL	1,421	333	1,083	5
Firearm	864	259	603	2
Poisoning	252	28	223	1
Hanging, strangulation, and suffocation	237	32	203	2
Jumping from high place	17	3	14	-
Drowning	17	5	12	-
Cutting (sharp object)	10	2	8	-
All other means	24	4	20	-

Chart 8a and 8b
Idaho Resident Suicide Deaths to Adults Aged 18 and Older
Percentage of Suicide Deaths by Mechanism of Injury
Five-Year Aggregate: 2009-2013

Persons Who Ever Served in the U.S. Armed Forces



Persons Who Never Served in the U.S. Armed Forces



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 U.S. 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.

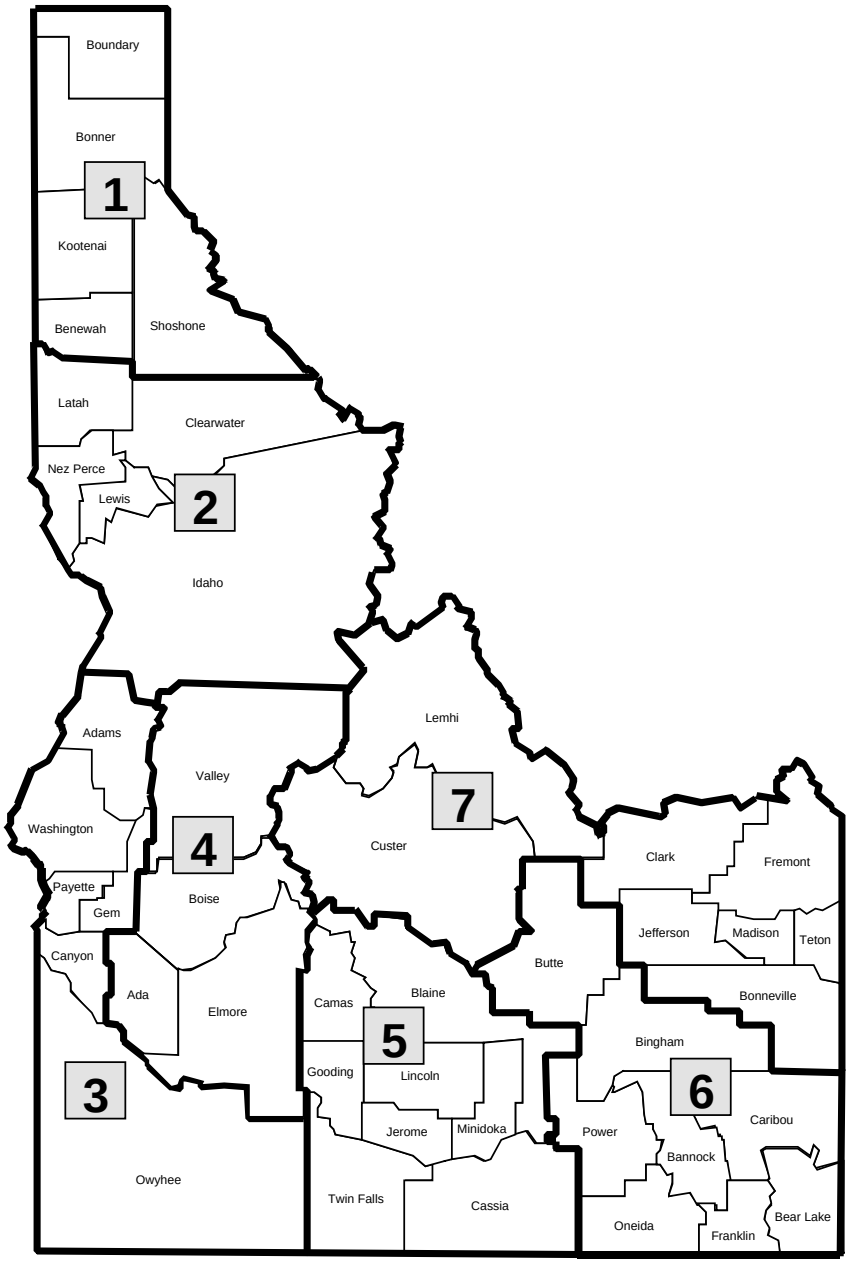
Health Districts

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.

For More Information

For more information, contact the Bureau of Vital Records and Health Statistics, Idaho Department of Health and Welfare at (208) 334-6658. This publication, other fact sheets, and reports are available on the web at http://healthstatistics.dhw.idaho.gov.

Counties Comprising Idaho Public Health Districts



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

Costs associated with this publication are available from
Idaho Department of Health and Welfare.
HW-1206 August 2014