

**DRUG-INDUCED DEATHS DATA SUMMARY**

**IDAHO**

**Drug-Induced Deaths to Idaho Residents and  
Drug-Induced Deaths to Idaho Residents Occurring in Idaho**

**2006-2008**

**Bureau of Vital Records and Health Statistics  
Division of Health  
Idaho Department of Health and Welfare**

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## **DRUG-INDUCED DEATHS 2006-2008**

### **Definition**

Drug-Induced deaths to Idaho residents include all deaths where drug use/abuse was listed as an underlying cause of death, regardless of where the death occurred. Drug-induced deaths include illicit, prescription, and over-the-counter drugs.

Drug-induced deaths include deaths due to drug psychosis; drug dependence including tobacco; nondependent use of drugs not including alcohol and tobacco; accidental (unintentional) poisoning by drugs, medicaments, and biologicals; intentional self-poisoning (suicide) by drugs, medicaments, and biologicals; assault (homicide) by poisoning by drugs and medicaments; and poisoning by drugs, medicaments, and biologicals, undetermined whether accidental or purposely inflicted. Drug-induced deaths do not include newborn deaths associated with mother's drug use, accidents such as falls and motor vehicle crashes, homicides, and other causes indirectly related to drug use.

Literal information reported on the Idaho death certificate in the cause-of-death section is used to assign an International Statistical Classification of Diseases (ICD-10) code for the underlying cause of death. The ICD-10 code, check box marked for the manner of death, and literal information was used in this report to categorize the drug(s) involved in the death.

The question 'Did tobacco use contribute to cause of death?' was added to the death certificate in 2003. Prior to 2003, deaths that were ill-defined or had an unknown cause of mortality listed on the death certificate were coded to ICD-10 codes R96-R99.9. Beginning in 2003, deaths that were ill-defined or had an unknown cause of mortality listed on the death certificate were coded to ICD-10 codes R96-R99.9, if the question 'Did tobacco use contribute to cause of death?' was marked no or unknown. If the question 'Did tobacco use contribute to cause of death?' was marked yes or probably, deaths that were ill-defined or had an unknown cause of mortality listed on the death certificate were coded to ICD-10 code F17.9, mental and behavioral disorders due to use of tobacco. Beginning in 2007, the coding rule changed and a death certificate can only be coded to F17.9 if the resultant physical condition is unknown.

Death certificates with the verbiage 'abuse' or 'usage' will be coded to a natural manner of death, F19.1, (Mental and behavioral disorders due to multiple drug use and use of other psychoactive substances). Death certificates with the verbiage 'overdose' will be coded to an accidental (unintentional), suicide, homicide, or undetermined manner of death depending on the manner of death reported by the coroner.

In Idaho, if a death was due to other than natural causes, a coroner must complete and sign the death certificate.

## **IDAHO RESIDENT DRUG-INDUCED DEATHS 2006-2008**

### **Limitations**

Idaho Vital Records receives death records for Idaho resident deaths occurring out of state. These records list the ICD-10 code for underlying cause of death. However, literal information on immediate cause, conditions leading to the immediate cause, underlying cause, other significant contributing conditions, and description of how the injury occurred are not provided to Idaho Vital Records. For this reason, the table containing data by cause of death is analyzed from the ICD-10 code only.

### **Summary**

There were 424 drug-induced deaths to Idaho residents from 2006 to 2008. Table 1 shows that a total of 397 deaths (93.6 percent) occurred in Idaho. The number of drug-induced deaths for Idaho residents increased 6.2 percent from 145 deaths in 2006 to 154 deaths in 2008.

From 2006 through 2008 the average-annual drug-induced death rate for Idaho was 9.4 deaths per 100,000 population (see Table 2A). The 2006 through 2008 average-annual drug-induced death rate for District 5 (5.7 deaths per 100,000 population) was 73.9 percent lower than the rest of the state. The 2006 through 2008 average-annual drug-induced death rate for District 6 (11.9 deaths per 100,000 population) was 30.4 percent higher than the rest of the state.

Table 3 contains drug-induced deaths for Idaho residents from 2006 through 2008 and for the U.S. for 2006 (latest year available). The drug-induced death rate for the U.S. (12.8 deaths per 100,000 population) was significantly higher than the rate observed in Idaho (9.4 deaths per 100,000 population). Much of the difference can be attributed to the higher rate of accidental (unintentional injury) drug-induced deaths in the United States. The accidental (unintentional injury) drug-induced death rate for the U.S. was 51.7 percent higher than the Idaho rate. The intentional self-harm (suicide) drug-induced death rate was 1.5 deaths per 100,000 population in the U.S. and 1.7 deaths per 100,000 population in Idaho. Coroners were unable to determine the intent for 13.5 percent of all drug-induced deaths for Idaho residents and 8.8 percent for the United States.

**TABLE 1**  
**Idaho Resident Drug-Induced Deaths**  
**by Place of Death (In Idaho and Out of State)**  
**2006-2008**

	TOTAL		2006		2007		2008	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>IDAHO RESIDENT DRUG-INDUCED DEATHS</b>								
<b>Total Drug-Induced Deaths to Idaho Residents</b>	<b>424</b>	<b>100.0</b>	<b>145</b>	<b>100.0</b>	<b>125</b>	<b>100.0</b>	<b>154</b>	<b>100.0</b>
Deaths Occurring Out of State	27	6.4	11	7.6	5	4.0	11	7.1
Deaths Occurring In Idaho	397	93.6	134	92.4	120	96.0	143	92.9

**TABLE 2A**  
**Idaho Resident Drug-Induced Deaths**  
**Number and Average-Annual Rate by District of Residence**  
**2006-2008**

	TOTAL	DISTRICT OF RESIDENCE						
		1	2	3	4	5	6	7
<b>IDAHO RESIDENT DRUG-INDUCED DEATHS</b>								
<b>Total Drug-Induced Deaths to Idaho Residents</b>	<b>424</b>	<b>62</b>	<b>26</b>	<b>61</b>	<b>142</b>	<b>30</b>	<b>58</b>	<b>45</b>
Number of Deaths Occurring Out of State	27	12	4	5	3	1	2	-
Number of Deaths Occurring In Idaho	397	50	22	56	139	29	56	45
Average-Annual Idaho Resident Death Rate <sup>1</sup>	9.4	9.9	8.5	8.4	11.3	5.7	11.9	7.9

1. Rate: Average number of drug-induced deaths per 100,000 population. Rates are based on mid-year population.

**TABLE 2B**  
**Idaho Resident Drug-Induced Deaths**  
**Percent by District of Residence**  
**2006-2008**

	TOTAL	DISTRICT OF RESIDENCE						
		1	2	3	4	5	6	7
<b>IDAHO RESIDENT DRUG-INDUCED DEATHS</b>								
Percent of Deaths Occurring Out of State	6.4%	19.4%	15.4%	8.2%	2.1%	3.3%	3.4%	-
Percent of Deaths Occurring In Idaho	93.6%	80.6%	84.6%	91.8%	97.9%	96.7%	96.6%	100.0%

See Technical Notes for additional information.

TABLE 3  
Drug-Induced Deaths  
Idaho Residents (2006-2008), United States Residents (2006)

CAUSE OF DEATH	ICD-10 CODE	IDAHO			UNITED STATES		
		Number	Rate <sup>1</sup>	Percent	Number	Rate <sup>1</sup>	Percent
<b>Total Drug-Induced Deaths</b>	Footnote 2	424	9.4	100.0	38,396	12.8	100.0
<b>Total Psychoactive Substance and Drug Use/Abuse</b>	Footnote 3	28	0.6	6.6	3,953	1.3	10.3
Mental and behavioral disorders due to use of tobacco	Footnote 4	16	0.4	3.8	1,200	0.4	3.1
Mental and behavioral disorders due to other drugs	Footnote 5	12	0.3	2.8	2,753	0.9	7.2
<b>Accidental (Unintentional Injury) Poisoning by Drugs</b>	X40-X44	262	5.8	61.8	26,400	8.8	68.8
Nonopioid analgesics, antipyretics, and antirheumatics	X40	3	**	0.7	246	0.1	0.6
Antiepileptic, sedative-hypnotic, antiparkinsonism and psychotropic drugs, not elsewhere classified	X41	19	0.4	4.5	1,486	0.5	3.9
Narcotics and psychodysleptics (hallucinogens), not elsewhere classified	X42	95	2.1	22.5	13,302	4.4	34.6
Other drugs acting on the autonomic nervous system	X43	1	**	0.2	16	**	**
Other and unspecified drugs, medicaments, and biological substances	X44	144	3.2	34.0	11,350	3.8	29.6
<b>Intentional Self-Harm (Suicide) by Drugs</b>	X60-X64	76	1.7	18.0	4,571	1.5	11.9
Nonopioid analgesics, antipyretics, and antirheumatics	X60	2	**	0.5	200	0.1	0.5
Antiepileptic, sedative-hypnotic, antiparkinsonism and psychotropic drugs, not elsewhere classified	X61	10	0.2	2.4	946	0.3	2.5
Narcotics and psychodysleptics (hallucinogens), not elsewhere classified	X62	9	0.2	2.1	678	0.2	1.8
Other drugs acting on the autonomic nervous system	X63	-	-	-	17	**	**
Other and unspecified drugs, medicaments, and biological substances	X64	55	1.2	13.0	2,730	0.9	7.1
<b>Assault (Homicide) by Drugs, Medicaments, and Biological Substances</b>	X85	1	**	0.2	75	**	0.2
<b>Undetermined Intent Poisoning by Drugs</b>	Y10-Y14	57	1.3	13.5	3,379	1.1	8.8
Nonopioid analgesics, antipyretics, and antirheumatics	Y10	2	**	0.5	69	**	0.2
Antiepileptic, sedative-hypnotic, antiparkinsonism and psychotropic drugs, not elsewhere classified	Y11	5	0.1	1.2	280	0.1	0.7
Narcotics and psychodysleptics (hallucinogens), not elsewhere classified	Y12	13	0.3	3.1	1,574	0.5	4.1
Other drugs acting on the autonomic nervous system	Y13	-	-	-	7	**	**
Other and unspecified drugs, medicaments, and biological substances	Y14	37	0.8	8.7	1,449	0.5	3.8
<b>Other Drug-Related Deaths</b>	Footnote 6	-	**	-	18	**	**

1. Rates are per 100,000 population. Idaho rates are based on mid-year population.

2. See Technical Notes for a full list of ICD-10 codes for drug-induced deaths.

3. ICD-10 Codes for total psychoactive substance and drug use/abuse deaths: F11.0-F11.5, F11.7-F11.9, F12.0-F12.5, F12.7-F12.9, F13.0-F13.5, F13.7-F13.9, F14.0-F14.5, F14.7-F14.9, F15.0-F15.5, F15.7-F15.9, F16.0-F16.5, F16.7-F16.9, F17.0, F17.3-F17.5, F17.7-F17.9, F18.0-F18.5, F18.7-F18.9, F19.0-F19.5, and F19.7-F19.9.

4. ICD-10 Codes for mental and behavioral disorders due to use of tobacco: F17.0, F17.3-F17.5, and F17.7-F17.9.

5. ICD-10 Codes for mental and behavioral disorders due to other drugs: F11.0-F11.5, F11.7-F11.9, F12.0-F12.5, F12.7-F12.9, F13.0-F13.5, F13.7-F13.9, F14.0-F14.5, F14.7-F14.9, F15.0-F15.5, F15.7-F15.9, F16.0-F16.5, F16.7-F16.9, F18.0-F18.5, F18.7-F18.9, F19.0-F19.5, and F19.7-F19.9.

6. ICD-10 Codes for other drug-related deaths: D52.1, D59.0, D59.2, D61.1, D64.2, E06.4, E16.0, E23.1, E24.2, E27.3, E66.1, G21.1, G24.0, G25.1, G25.4, G25.6, G44.4, G62.0, G72.0, I95.2, J70.2-J70.4, L10.5, L27.0, L27.1, M10.2, M32.0, M80.4, M81.4, M83.5, M87.1, R78.1-R78.5.

\*\* Represents a percent that rounds to less than 0.1% or a rate that rounds to less than 0.1 per 100,000 population. Dash (-) represents zero.

## **IDAHO RESIDENT DRUG-INDUCED DEATHS OCCURRING IN IDAHO 2006-2008**

### **Limitations**

Idaho Vital Records receives death records for Idaho resident deaths occurring out of state. These records list the ICD-10 code for underlying cause of death. However, literal information on immediate cause, conditions leading to the immediate cause, underlying cause, other significant contributing conditions, and description of how the injury occurred are not provided to Idaho Vital Records. For this reason, the tables containing data broken out by substances listed on the death certificate are limited to Idaho resident deaths occurring in Idaho only.

### **Summary**

There were 397 drug-induced deaths to Idaho residents occurring in Idaho from 2006 to 2008. The number of Idaho resident drug-induced deaths occurring in Idaho to residents increased 6.7 percent from 134 deaths in 2006 to 143 deaths in 2008.

The literal section of the death certificate allows the coroner/physician to list the substance(s) taken by the decedent. Table 4 shows that the most common substance listed on the death certificate among Idaho residents who died in Idaho was Methadone (17.1 percent) followed by Hydrocodone (15.1 percent) and Benzodiazepine (13.9 percent). A total of 35.8 percent of all drug-induced deaths occurring in Idaho to Idaho residents did not mention a specific drug. Of the 397 drug-induced deaths, 64 (16.1 percent) also listed alcohol.

Table 6 indicates that individuals aged 35-54 accounted for 55.4 percent of the drug-induced deaths to Idaho residents occurring in Idaho. Only 6.8 percent of all deaths were to Idahoans 65 and older. Males accounted for 51.1 percent of all the drug-induced deaths to Idaho residents occurring in Idaho.

The manner of death for drug-induced deaths to Idaho residents occurring in Idaho is shown in Table 7. The majority (59.7 percent) of the drug-induced deaths to Idaho residents occurring in Idaho were the result of unintentional or accidental poisoning. An additional 0.2 percent were assault (homicides), 7.6 percent natural, 18.4 percent intentional self-harm (suicides), and 14.1 percent were undetermined. Of the natural deaths, Mental and behavioral disorders due to use of tobacco accounted for 40.0 percent, an additional 43.3 percent were caused by Mental and behavioral disorders due to multiple drug use and use of other psychoactive substances.

**TABLE 4**  
**Idaho Resident Drug-Induced Deaths Occurring in Idaho**  
**Substances Mentioned on Death Certificate by Year**  
**2006-2008**

SUMMARY OF SUBSTANCES MENTIONED ON DEATH CERTIFICATE	TOTAL		YEAR		
	Number	Percent	2006	2007	2008
<b>Total Drug-Induced Deaths to Idaho Residents Occurring in Idaho</b>	<b>397</b>	<b>100.0</b>	<b>134</b>	<b>120</b>	<b>143</b>
<b>Substances Listed on Death Certificates*</b>	<b>694</b>	<b>100.0</b>	<b>212</b>	<b>208</b>	<b>274</b>
<b>Total Nonopioid Analgesics, Antipyretics, and Antirheumatics</b>	<b>6</b>	<b>1.5</b>	<b>2</b>	<b>1</b>	<b>3</b>
Salicylates/Acetylsalicylic (aspirin)	1	0.3	-	1	-
Other (inc. 4-aminophenol, NSAID, pyrazolone)	5	1.3	2	-	3
<b>Total Antiepileptic, Sedative-Hypnotic, Antiparkinsonism, and Psychotropic</b>	<b>165</b>	<b>41.6</b>	<b>44</b>	<b>50</b>	<b>71</b>
Amphetamine	1	0.3	-	1	-
Antidepressants	46	11.6	9	11	26
Antipsychotics	11	2.8	3	3	5
Barbiturates	-	-	-	-	-
Benzodiazepine	55	13.9	19	13	23
Gamma-hydroxybutyrate (GHB)	-	-	-	-	-
Methamphetamine	17	4.3	6	10	1
Muscle relaxants	17	4.3	4	6	7
Other (inc. anti-anxiety, antitussive, sedatives, tranquilizers, etc.)	18	4.5	3	6	9
<b>Total Narcotics and Psychodysleptics (hallucinogens)</b>	<b>257</b>	<b>64.7</b>	<b>81</b>	<b>79</b>	<b>97</b>
Cannabis (Marijuana)	1	0.3	-	-	1
Cocaine	1	0.3	-	-	1
Codeine	8	2.0	5	2	1
Heroin	8	2.0	4	3	1
Hydrocodone / Hydrocodone and Acetaminophen combinations	60	15.1	14	19	27
Methadone	68	17.1	32	21	15
Morphine	29	7.3	8	10	11
Oxycodone / Oxycontin	34	8.6	7	7	20
Other (inc. LSD, mescaline, opium/alkaloids)	39	9.8	9	14	16
Drug overdose of narcotic drug(s), narcotic drug(s) not listed	9	2.3	2	3	4
<b>Other Known (named), Medicaments, and Biological Substances</b>	<b>47</b>	<b>11.8</b>	<b>14</b>	<b>11</b>	<b>22</b>
Antihistamines	33	8.3	11	6	16
Other (inc. antiemetics, antihypertensive, insulin, anticonvulsant, etc.)	14	3.5	3	5	6
<b>Alcohol in combination with a drug(s)</b>	<b>64</b>	<b>16.1</b>	<b>22</b>	<b>19</b>	<b>23</b>
<b>Tobacco Use</b>	<b>13</b>	<b>3.3</b>	<b>11</b>	<b>1</b>	<b>1</b>
<b>Specific Drug, Medicament, or Biological Substance Not Listed</b>	<b>142</b>	<b>35.8</b>	<b>38</b>	<b>47</b>	<b>57</b>
Drug use/overdose, no mention of type of drug(s)	73	18.4	19	20	34
Drug use/overdose of pain medication(s), pain medication(s) not listed	3	0.8	-	1	2
Drug use/overdose of prescription drug(s), prescription drug(s) not listed	66	16.6	19	26	21

\* Each death certificate may list one or more specific substance(s) or no specific substance. See Technical Notes for additional information.

**TABLE 5**  
**Idaho Resident Drug-Induced Deaths Occurring in Idaho**  
**Substances Mentioned on Death Certificate by District of Residence**  
**2006-2008**

SUMMARY OF SUBSTANCES MENTIONED ON DEATH CERTIFICATE	TOTAL	DISTRICT OF RESIDENCE						
		1	2	3	4	5	6	7
<b>Total Drug-Induced Deaths to Idaho Residents Occurring in Idaho</b>	<b>397</b>	<b>50</b>	<b>22</b>	<b>56</b>	<b>139</b>	<b>29</b>	<b>56</b>	<b>45</b>
<b>Substances Listed on Death Certificates*</b>	<b>694</b>	<b>126</b>	<b>32</b>	<b>84</b>	<b>289</b>	<b>42</b>	<b>65</b>	<b>56</b>
<b>Total Nonopioid Analgesics, Antipyretics, and Antirheumatics</b>	<b>6</b>	<b>2</b>	<b>-</b>	<b>2</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>1</b>
Salicylates/Acetylsalicylic (aspirin)	1	-	-	1	-	-	-	-
Other (inc. 4-aminophenol, NSAID, pyrazolone)	5	2	-	1	1	-	-	1
<b>Total Antiepileptic, Sedative-Hypnotic, Antiparkinsonism, and Psychotropic</b>	<b>165</b>	<b>38</b>	<b>3</b>	<b>20</b>	<b>91</b>	<b>5</b>	<b>4</b>	<b>4</b>
Amphetamine	1	-	-	-	1	-	-	-
Antidepressants	46	12	2	3	26	2	-	1
Antipsychotics	11	1	-	4	5	1	-	-
Barbiturates	-	-	-	-	-	-	-	-
Benzodiazepine-Not Otherwise Stated	55	13	1	5	33	-	2	1
Gamma-hydroxybutyrate (GHB)	-	-	-	-	-	-	-	-
Methamphetamine	17	-	-	3	11	1	1	1
Muscle relaxants	17	9	-	1	6	1	-	-
Other (inc. antianxiety, antitussive, sedatives, tranquilizers, etc.)	18	3	-	4	9	-	1	1
<b>Total Narcotics and Psychodysleptics (hallucinogens)</b>	<b>257</b>	<b>46</b>	<b>10</b>	<b>22</b>	<b>138</b>	<b>17</b>	<b>10</b>	<b>14</b>
Cannabis (Marijuana)	1	1	-	-	-	-	-	-
Cocaine	1	-	-	-	1	-	-	-
Codeine	8	-	1	1	6	-	-	-
Heroin	8	-	-	3	5	-	-	-
Hydrocodone / Hydrocodone and Acetaminophen combinations	60	12	1	8	31	5	1	2
Methadone	68	10	2	7	37	3	4	5
Morphine	29	7	2	-	14	2	2	2
Oxycodone / Oxycodone	34	5	-	1	22	4	-	2
Other (inc. LSD, mescaline, opium/alkaloids)	39	10	-	2	21	2	2	2
Drug overdose of narcotic drug(s), narcotic drug(s) not listed	9	1	4	-	1	1	1	1
<b>Other Known (named), Medicaments, and Biological Substances</b>	<b>47</b>	<b>15</b>	<b>-</b>	<b>4</b>	<b>23</b>	<b>2</b>	<b>2</b>	<b>1</b>
Antihistamines	33	9	-	1	19	2	1	1
Other (inc. antiemetics, antihypertensive, insulin, anticonvulsant, etc.)	14	6	-	3	4	-	1	-
<b>Alcohol in combination with a drug(s)</b>	<b>64</b>	<b>13</b>	<b>4</b>	<b>6</b>	<b>21</b>	<b>6</b>	<b>5</b>	<b>9</b>
<b>Tobacco Use</b>	<b>13</b>	<b>-</b>	<b>-</b>	<b>4</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>2</b>
<b>Specific Drug, Medicament, or Biological Substance Not Listed</b>	<b>142</b>	<b>12</b>	<b>15</b>	<b>26</b>	<b>11</b>	<b>11</b>	<b>42</b>	<b>25</b>
Drug use/overdose, no mention of type of drug(s)	73	11	6	9	8	5	26	8
Drug use/overdose of pain medication(s), pain medication(s) not listed	3	-	-	2	-	-	1	-
Drug use/overdose of prescription drug(s), prescription drug(s) not listed	66	1	9	15	3	6	15	17

\* Each death certificate may list one or more specific substance(s) or no specific substance. See Technical Notes for additional information.

**TABLE 6**  
**Idaho Resident Drug-Induced Deaths Occurring in Idaho**  
**Substances Mentioned on Death Certificate by Age Group and Gender**  
**2006-2008**

SUMMARY OF SUBSTANCES MENTIONED ON DEATH CERTIFICATE	TOTAL	AGE GROUP					GENDER	
		<35	35-44	45-54	55-64	65+	Female	Male
		93	94	126	57	27	194	203
<b>Total Drug-Induced Deaths to Idaho Residents Occurring in Idaho</b>	<b>397</b>	<b>169</b>	<b>179</b>	<b>232</b>	<b>83</b>	<b>31</b>	<b>281</b>	<b>310</b>
<b>Substances Listed on Death Certificates*</b>	<b>694</b>							
<b>Total Nonopioid Analgesics, Antipyretics, and Antirheumatics</b>	<b>6</b>	<b>2</b>	<b>-</b>	<b>2</b>	<b>2</b>	<b>-</b>	<b>4</b>	<b>1</b>
Salicylates/Acetylsalicylic (aspirin)	1	1	-	-	-	-	1	-
Other (inc. 4-aminophenol, NSAID, pyrazolone)	5	1	-	2	2	-	4	1
<b>Total Antiepileptic, Sedative-Hypnotic, Antiparkinsonism, and Psychotropic</b>	<b>165</b>	<b>38</b>	<b>45</b>	<b>63</b>	<b>17</b>	<b>2</b>	<b>72</b>	<b>73</b>
Amphetamine	1	1	-	-	-	-	1	-
Antidepressants	46	8	14	17	7	-	30	16
Antipsychotics	11	2	-	6	3	-	8	3
Barbiturates	-	-	-	-	-	-	-	-
Benzodiazepine-Not Otherwise Stated	55	15	13	21	5	1	27	28
Gamma-hydroxybutyrate (GHB)	-	-	-	-	-	-	-	-
Methamphetamine	17	5	4	7	1	-	7	10
Muscle relaxants	17	3	7	6	1	-	8	9
Other (inc. antianxiety, antitussive, sedatives, tranquilizers, etc.)	18	4	7	6	-	1	10	8
<b>Total Narcotics and Psychodysleptics (hallucinogens)</b>	<b>257</b>	<b>76</b>	<b>65</b>	<b>72</b>	<b>34</b>	<b>10</b>	<b>86</b>	<b>123</b>
Cannabis (Marijuana)	1	-	-	-	1	-	-	1
Cocaine	1	1	-	-	-	-	-	1
Codeine	8	3	2	2	1	-	5	3
Heroin	8	3	2	2	1	-	-	8
Hydrocodone / Hydrocodone and Acetaminophen combinations	60	15	19	15	6	5	27	33
Methadone	68	29	14	19	4	2	26	42
Morphine	29	5	8	9	7	-	14	15
Oxycodone / Oxycontin	34	12	7	12	3	-	12	22
Other (inc. LSD, mescaline, opium/alkaloids)	39	8	10	10	9	2	22	17
Drug overdose of narcotic drug(s), narcotic drug(s) not listed	9	-	3	3	2	1	4	5
<b>Other Known (named), Medicaments, and Biological Substances</b>	<b>47</b>	<b>16</b>	<b>14</b>	<b>6</b>	<b>5</b>	<b>6</b>	<b>25</b>	<b>14</b>
Antihistamines	33	13	11	6	1	2	22	9
Other (inc. antiemetics, antihypertensive, insulin, anticonvulsant, etc.)	14	3	3	-	4	4	8	6
<b>Alcohol in combination with a drug(s)</b>	<b>64</b>	<b>14</b>	<b>13</b>	<b>30</b>	<b>5</b>	<b>2</b>	<b>26</b>	<b>38</b>
<b>Tobacco Use</b>	<b>13</b>	<b>-</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>6</b>	<b>5</b>	<b>8</b>
<b>Specific Drug, Medicament, or Biological Substance Not Listed</b>	<b>142</b>	<b>23</b>	<b>40</b>	<b>57</b>	<b>17</b>	<b>5</b>	<b>63</b>	<b>53</b>
Drug use/overdose, no mention of type of drug(s)	73	12	19	30	8	4	38	35
Drug use/overdose of pain medication(s), pain medication(s) not listed	3	-	-	3	-	-	2	1
Drug use/overdose of prescription drug(s), prescription drug(s) not listed	66	11	21	24	9	1	40	26

\* Each death certificate may list one or more specific substance(s) or no specific substance. See Technical Notes for additional information.

**TABLE 7**  
**Idaho Resident Drug-Induced Deaths Occurring in Idaho**  
**Substances Mentioned on Death Certificate by Manner of Death**  
**2006-2008**

SUMMARY OF SUBSTANCES MENTIONED ON DEATH CERTIFICATE	TOTAL	MANNER OF DEATH <sup>1</sup>				
		Accident	Homicide	Natural	Suicide	Undetermined
<b>Total Drug-Induced Deaths to Idaho Residents Occurring in Idaho</b>	<b>397</b>	<b>237</b>	<b>1</b>	<b>30</b>	<b>73</b>	<b>56</b>
<b>Substances Listed on Death Certificates<sup>2</sup></b>	<b>694</b>	<b>441</b>	<b>1</b>	<b>36</b>	<b>130</b>	<b>86</b>
<b>Total Nonopioid Analgesics, Antipyretics, and Antirheumatics</b>	<b>6</b>	<b>2</b>	-	<b>2</b>	<b>2</b>	-
Salicylates/Acetylsalicylic (aspirin)	1	-	-	-	1	-
Other (inc. 4-aminophenol, NSAID, pyrazolone)	5	2	-	2	1	-
<b>Total Antiepileptic, Sedative-Hypnotic, Antiparkinsonism, and Psychotropic</b>	<b>165</b>	<b>99</b>	-	<b>1</b>	<b>39</b>	<b>26</b>
Amphetamine	1	-	-	-	1	-
Antidepressants	46	22	-	-	12	12
Antipsychotics	11	4	-	-	6	1
Barbiturates	-	-	-	-	-	-
Benzodiazepine-Not Otherwise Stated	55	40	-	-	7	8
Gamma-hydroxybutyrate (GHB)	-	-	-	-	-	-
Methamphetamine	17	13	-	1	2	1
Muscle relaxants	17	10	-	-	5	2
Other (inc. antianxiety, antitussive, sedatives, tranquilizers, etc.)	18	10	-	-	6	2
<b>Total Narcotics and Psychodysleptics (hallucinogens)</b>	<b>257</b>	<b>192</b>	<b>1</b>	<b>2</b>	<b>32</b>	<b>30</b>
Cannabis (Marijuana)	1	1	-	-	-	-
Cocaine	1	1	-	-	-	-
Codeine	8	7	-	-	1	-
Heroin	8	8	-	-	-	-
Hydrocodone / Hydrocodone and Acetaminophen combinations	60	43	-	-	11	6
Methadone	68	54	1	-	4	9
Morphine	29	22	-	-	4	3
Oxycodone / Oxycodone	34	25	-	-	3	6
Other (inc. LSD, mescaline, opium/alkaloids)	39	25	-	1	8	5
Drug overdose of narcotic drug(s), narcotic drug(s) not listed	9	6	-	1	1	1
<b>Other Known (named), Medicaments, and Biological Substances</b>	<b>47</b>	<b>27</b>	-	<b>2</b>	<b>14</b>	<b>4</b>
Antihistamines	33	22	-	1	8	2
Other (inc. antiemetics, antihypertensive, insulin, anticonvulsant, etc.)	14	5	-	1	6	2
<b>Alcohol in combination with a drug(s)</b>	<b>64</b>	<b>46</b>	-	<b>5</b>	<b>10</b>	<b>3</b>
<b>Tobacco Use</b>	<b>13</b>	<b>1</b>	-	<b>12</b>	-	-
<b>Specific Drug, Medicament, or Biological Substance Not Listed</b>	<b>142</b>	<b>74</b>	-	<b>12</b>	<b>33</b>	<b>23</b>
Drug use/overdose, no mention of type of drug(s)	73	30	-	12	16	15
Drug use/overdose of pain medication(s), pain medication(s) not listed	3	2	-	-	-	1
Drug use/overdose of prescription drug(s), prescription drug(s) not listed	66	42	-	-	17	7

1. Accident (unintentional injury), assault (homicide), and intentional self-harm (suicide).  
2. Each death certificate may list one or more specific substance(s) or no specific substance.  
See Technical Notes for additional information.

**NATURAL EXAMPLE**

According to The National Association of Medical Examiners, a drug overdose is determined natural when it is “due solely or nearly totally to disease/and or the aging process.”

Death certificates with the verbiage ‘abuse’ or ‘usage’ will be coded to a natural manner of death, ICD-10 code F19.1, Mental and behavioral disorders due to multiple drug use and use of other psychoactive substances. Death certificates with the verbiage ‘overdose’ will not be classified as natural deaths.

<b>CAUSE OF DEATH</b>		Approximate Interval: Onset to Death
<p><b>PART I.</b> Enter the chain of events - - diseases, injuries, or complications - - that directly caused the death. DO NOT enter terminal events such as cardiac arrest, respiratory arrest, or ventricular fibrillation without showing the etiology. DO NOT ABBREVIATE. Enter only one cause on a line:</p> <p><b>IMMEDIATE CAUSE</b> (Final disease or condition resulting in death) </p> <p>Sequentially list conditions, if any, leading to the cause listed on line a. Enter the <b>UNDERLYING CAUSE</b> <b>LAST</b> (disease or injury that initiated the events)</p>		Immediate
	a. <u>Ventricular Fibrillation to Asystole</u> DUE TO (or as a consequence of):	Years
	b. <u>Chronic Hepatic Failure</u> DUE TO (or as a consequence of):	Years
	c. <u>Substance Abuse</u> DUE TO (or as a consequence of):	Years
	d. _____ DUE TO (or as a consequence of):	Years
<p><b>PART II.</b> Enter <u>other significant conditions contributing to death</u> but not resulting in the underlying cause given in Part I</p> <p>Alcohol abuse</p>		<p><b>MANNER OF DEATH</b></p> <p><input checked="" type="checkbox"/> Natural      <input type="checkbox"/> Homicide</p> <p><input type="checkbox"/> Accident      <input type="checkbox"/> Pending Investigation</p> <p><input type="checkbox"/> Suicide      <input type="checkbox"/> Could not be determined</p>
<p><b>DID TOBACCO USE CONTRIBUTE TO DEATH?</b></p> <p><input type="checkbox"/> Yes      <input type="checkbox"/> No</p> <p><input type="checkbox"/> Probably      <input checked="" type="checkbox"/> Unknown</p>	<p>DESCRIBE HOW INJURY OCCURRED. IF TRANSPORTATION INJURY, STATE THE TYPE(S) OF VEHICLE(S) INVOLVED (Automobile, pickup, motorcycle, ATV, bicycle, etc.)</p> <p>SPECIFY WHICH VEHICLE DECEDENT OCCUPIED, if applicable</p>	

**UNDETERMINED EXAMPLE**

According to The National Association of Medical Examiners, a drug overdose is undetermined when “the information pointing to one manner of death is no more compelling than one or more other competing manners of death when all information is considered.” In the absence of witnesses, the intent may never be known even after an extensive investigation.

Physicians and coroners can list out each individual substance that contributed to the decedent's cause of death or they can list the drug category. The decedent may have used several types of one category, such as an antidepressant. Therefore, the physician or coroner chooses to write ‘antidepressant’ rather than ‘Prozac’ and ‘Zoloft’. The underlying cause of death for this example is ICD-10 code Y14 (Poisoning by and exposure to other and unspecified drugs, medicaments, and biological substances, undetermined intent).

<b>CAUSE OF DEATH</b>		Approximate Interval: Onset to Death
<p><b>PART I.</b> Enter the chain of events - - diseases, injuries, or complications - - that directly caused the death. DO NOT enter terminal events such as cardiac arrest, respiratory arrest, or ventricular fibrillation without showing the etiology. DO NOT ABBREVIATE. Enter only one cause on a line:</p> <p><b>IMMEDIATE CAUSE</b> (Final disease or condition resulting in death) </p> <p>Sequentially list conditions, if any, leading to the cause listed on line a. Enter the <b>UNDERLYING CAUSE</b> <b>LAST</b> (disease or injury that initiated the events)</p>		36 hours
	a. <u>Narcotic overdose</u> DUE TO (or as a consequence of):	36 hours
	b. <u>Benzodiazepine overdose</u> DUE TO (or as a consequence of):	36 hours
	c. <u>Tricyclic antidepressant overdose</u> DUE TO (or as a consequence of):	36 hours
	d. _____ DUE TO (or as a consequence of):	Years
<p><b>PART II.</b> Enter <u>other significant conditions contributing to death</u> but not resulting in the underlying cause given in Part I</p>		<p><b>MANNER OF DEATH</b></p> <p><input type="checkbox"/> Natural      <input type="checkbox"/> Homicide</p> <p><input type="checkbox"/> Accident      <input type="checkbox"/> Pending Investigation</p> <p><input type="checkbox"/> Suicide      <input checked="" type="checkbox"/> Could not be determined</p>
<p><b>DID TOBACCO USE CONTRIBUTE TO DEATH?</b></p> <p><input type="checkbox"/> Yes      <input type="checkbox"/> No</p> <p><input type="checkbox"/> Probably      <input checked="" type="checkbox"/> Unknown</p>	<p>DESCRIBE HOW INJURY OCCURRED. IF TRANSPORTATION INJURY, STATE THE TYPE(S) OF VEHICLE(S) INVOLVED (Automobile, pickup, motorcycle, ATV, bicycle, etc.)</p> <p>SPECIFY WHICH VEHICLE DECEDENT OCCUPIED, if applicable</p> <p>Ingested lethal dosage of prescription drugs</p>	

**ACCIDENT (UNINTENTIONAL INJURY) EXAMPLE**

According to The National Association of Medical Examiners, a drug overdose is determined an accident when “there is little or no evidence that the injury or poisoning occurred with intent to harm or cause death.”

The cause of death is a synthesis of all information derived from both the investigation into the circumstances surrounding the death and the autopsy, if performed. The medical examiner or coroner must use all the information from his or her own investigation, police reports, staff investigations, and discussions with the family and friends of the decedent to determine the manner of death. The underlying cause of death for this example is ICD-10 code X44 (Accidental poisoning by and exposure to other and unspecified drugs, medicaments, and biological substances).

<b>CAUSE OF DEATH</b>		Approximate Interval: Onset to Death
<p><b>PART I.</b> Enter the chain of events - - diseases, injuries, or complications - - that directly caused the death. DO NOT enter terminal events such as cardiac arrest, respiratory arrest, or ventricular fibrillation without showing the etiology. DO NOT ABBREVIATE. Enter only one cause on a line:</p> <p><b>IMMEDIATE CAUSE</b> (Final disease or condition resulting in death) ➔</p> <p>Sequentially list conditions, if any, leading to the cause listed on line a. Enter the <b>UNDERLYING CAUSE LAST</b> (disease or injury that initiated the events)</p> <p>a. <u>Accidental overdose of</u> DUE TO (or as a consequence of):</p> <p>b. <u>acute combined poisoning with</u> DUE TO (or as a consequence of):</p> <p>c. <u>Methadone, Hydrocodone, Promethazine</u> DUE TO (or as a consequence of):</p> <p>d. _____</p>		
<p><b>PART II.</b> Enter <u>other significant conditions contributing to death</u> but not resulting in the underlying cause given in Part I</p> <p>Depression, schizophrenia, chronic pain</p>		<p><b>MANNER OF DEATH</b></p> <p><input type="checkbox"/> Natural      <input type="checkbox"/> Homicide</p> <p><input checked="" type="checkbox"/> Accident      <input type="checkbox"/> Pending Investigation</p> <p><input type="checkbox"/> Suicide      <input type="checkbox"/> Could not be determined</p>
<p><b>DID TOBACCO USE CONTRIBUTE TO DEATH?</b></p> <p><input type="checkbox"/> Yes      <input type="checkbox"/> No</p> <p><input type="checkbox"/> Probably      <input checked="" type="checkbox"/> Unknown</p>	<p>DESCRIBE HOW INJURY OCCURRED. IF TRANSPORTATION INJURY, STATE THE TYPE(S) OF VEHICLE(S) INVOLVED (Automobile, pickup, motorcycle, ATV, bicycle, etc.) SPECIFY WHICH VEHICLE DECEDENT OCCUPIED, if applicable</p> <p>Was having pain, kept taking pills not aware of effect</p>	

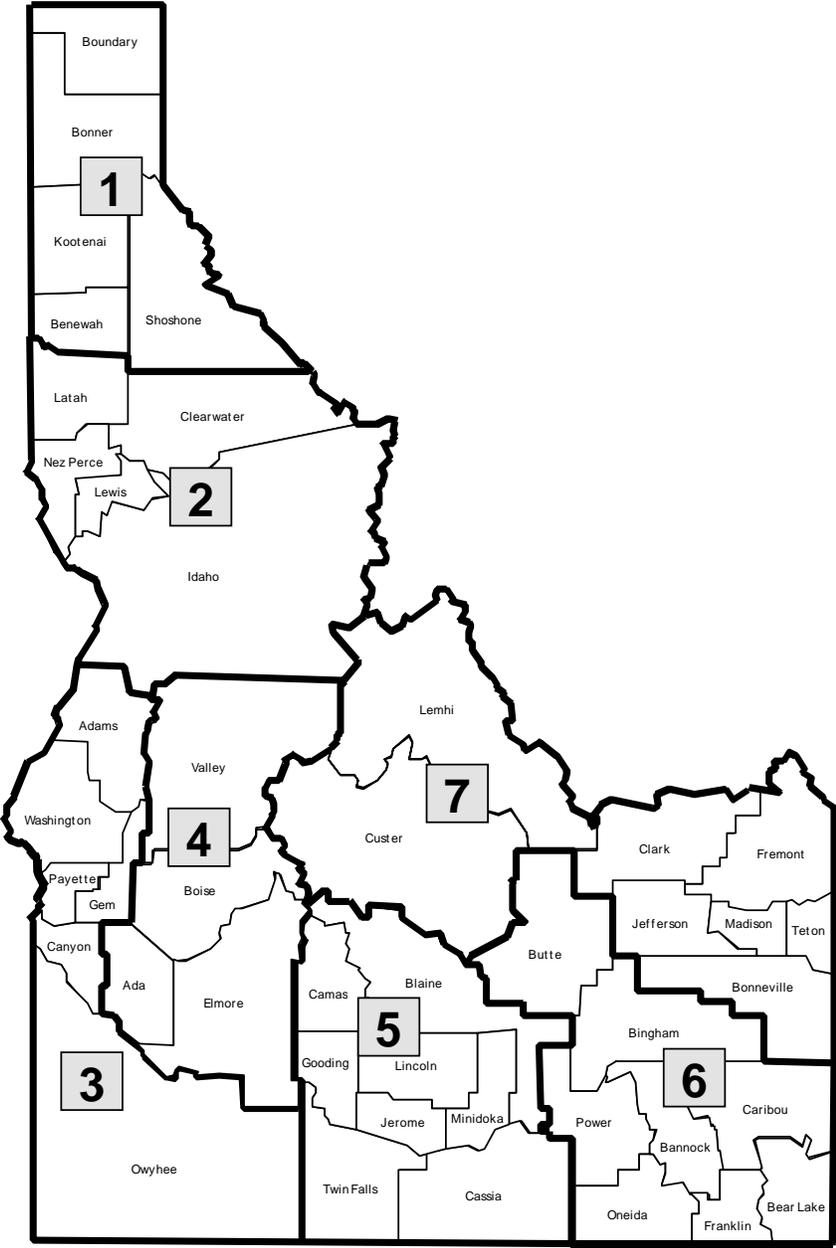
**INTENTIONAL SELF-HARM (SUICIDE) EXAMPLE**

According to The National Association of Medical Examiners, a drug overdose is determined a suicide when the “results from an injury or poisoning is a result of an intentional, self-inflicted act committed to do self-harm or cause the death of one’s self.”

The medical examiner or coroner may not indicate on the death certificate how they determined the death was a suicide. For example, if the decedent left a suicide note, the medical examiner or coroner may choose not to mention it on the death certificate and would check the suicide checkbox. The underlying cause of death for this example is ICD-10 code X64 (Intentional self-poisoning (suicide) by and exposure to other and unspecified drugs, medicaments, and biological substances).

<b>CAUSE OF DEATH</b>		Approximate Interval: Onset to Death
<p><b>PART I.</b> Enter the chain of events - - diseases, injuries, or complications - - that directly caused the death. DO NOT enter terminal events such as cardiac arrest, respiratory arrest, or ventricular fibrillation without showing the etiology. DO NOT ABBREVIATE. Enter only one cause on a line:</p> <p><b>IMMEDIATE CAUSE</b> (Final disease or condition resulting in death) ➔</p> <p>Sequentially list conditions, if any, leading to the cause listed on line a. Enter the <b>UNDERLYING CAUSE LAST</b> (disease or injury that initiated the events)</p> <p>a. <u>Acute drug overdose</u> DUE TO (or as a consequence of):</p> <p>b. _____ DUE TO (or as a consequence of):</p> <p>c. _____ DUE TO (or as a consequence of):</p> <p>d. _____</p>		
<p><b>PART II.</b> Enter <u>other significant conditions contributing to death</u> but not resulting in the underlying cause given in Part I</p>		<p><b>MANNER OF DEATH</b></p> <p><input type="checkbox"/> Natural      <input type="checkbox"/> Homicide</p> <p><input type="checkbox"/> Accident      <input type="checkbox"/> Pending Investigation</p> <p><input checked="" type="checkbox"/> Suicide      <input type="checkbox"/> Could not be determined</p>
<p><b>DID TOBACCO USE CONTRIBUTE TO DEATH?</b></p> <p><input type="checkbox"/> Yes      <input checked="" type="checkbox"/> No</p> <p><input type="checkbox"/> Probably      <input type="checkbox"/> Unknown</p>	<p>DESCRIBE HOW INJURY OCCURRED. IF TRANSPORTATION INJURY, STATE THE TYPE(S) OF VEHICLE(S) INVOLVED (Automobile, pickup,, motorcycle, ATV, bicycle, etc.) SPECIFY WHICH VEHICLE DECEDENT OCCUPIED, if applicable</p> <p>Took alprazolam, codeine, carisprodol, meprobomate &amp; diphenhydramine</p>	

**APPENDIX**  
**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

**Technical Notes  
Drug-Induced Deaths  
2006-2008**

**Drug-Induced Deaths**

Drug-induced deaths as classified by the National Center for Health Statistics (NCHS). The list of codes included in drug-induced causes was expanded in 2003 and again in 2006 to be more comprehensive. ICD-10 codes: D52.1, D59.0, D59.2, D61.1, D64.2, E06.4, E16.0, E23.1, E24.2, E27.3, E66.1, F11.0-F11.5, F11.7-F11.9, F12.0-F12.5, F12.7-F12.9, F13.0-F13.5, F13.7-F13.9, F14.0-F14.5, F14.7-F14.9, F15.0-F15.5, F15.7-F15.9, F16.0-F16.5, F16.7-F16.9, F17.0, F17.3-F17.5, F17.7-F17.9, F18.0-F18.5, F18.7-F18.9, F19.0-F19.5, F19.7-F19.9, G21.1, G24.0, G25.1, G25.4, G25.6, G44.4, G62.0, G72.0, I95.2, J70.2-J70.4, K85.3, L10.5, L27.0, L27.1, M10.2, M32.0, M80.4, M81.4, M83.5, M87.1, R50.2, R78.1- R78.5, X40-X44, X60-X64, X85, and Y10-Y14. Drug-induced deaths include deaths due to drug psychosis; drug dependence; nondependent use of drugs not including alcohol and tobacco; accidental poisoning by drugs, medicaments, and biologicals; intentional self-poisoning (suicide) by drugs, medicaments, and biologicals; assault (homicide) by poisoning by drugs and medicaments; and poisoning by drugs, medicaments, and biologicals, undetermined whether accidental or purposely inflicted. Drug-induced deaths do not include newborn deaths associated with mother's drug use or accidents such as falls and motor vehicle crashes, homicides, and other causes indirectly related to drug use.

ICD-10 Code F17.9: unspecified mental and behavioural disorder due to use of tobacco (chain, former, life long, or packs per day). The question 'Did tobacco use contribute to cause of death?' was added to the death certificate in 2003. Prior to 2003, deaths that were ill-defined or had an unknown cause of mortality listed on the death certificate were coded to ICD-10 codes R96-R99.9. Beginning in 2003, deaths that were ill-defined or had an unknown cause of mortality listed on the death certificate were coded to ICD-10 codes R96-R99.9, if the question 'Did tobacco use contribute to cause of death?' was marked no or unknown. If the question 'Did tobacco use contribute to cause of death?' was marked yes or probably, deaths that were ill-defined or had an unknown cause of mortality listed on the death certificate were coded to ICD-10 code F17.9. Beginning in 2007, a death certificate can only be coded to F17.9 if the resultant physical condition is unknown.

Idaho Vital Records receives death records for Idaho resident deaths occurring out of state. These records list the ICD-10 code for underlying cause of death. However, literal information on immediate cause, conditions leading to the immediate cause, underlying cause, other significant contributing conditions, and description of how the injury occurred are not provided to Idaho Vital Records. Therefore, only substances listed on death certificates to Idaho residents occurring in Idaho are shown in tables 4-7.

**Substances Listed on Death Certificate**

Includes all substances listed on the Idaho death certificate on one or more of the following lines: immediate cause, conditions leading to the immediate cause, underlying cause, other significant contributing conditions, and description of how the injury occurred. Each death certificate may list one or more specific substance(s) or no specific substance.

**Other Antiepileptic Sedative-Hypnotic, Antiparkinsonism, and Psychotropic\***

Other, includes antianxiety, antitussive, sedatives, tranquilizers, etc.

Ambien	Dextromethomorphan	Unisom
Buspirone	Meprobamate	Zolpidem/Zilpidem
Cymbalta	Sleeping pills	

**Other Known (named) Medicaments, and Biological Substances\***

Includes the following substances named on the death certificate that are not elsewhere classified:

Amiodarone	Lisinopril
Carbamazepine	Metaclopramide
Colchicine	Oxcarbazepine
Helium	Orphenadrine
Insulin	Verapamil

\*Only includes those substances listed on an Idaho death certificate in 2006, 2007 or 2008.

Data may differ from previously published data due to updates in the data base or coding practices.

Source: Idaho Department of Health and Welfare, Bureau of Vital Records and Health Statistics (04/2010).