

# Idaho Vital Statistics Health District Report

Three-Year Aggregate Data  
2002-2004, 2005-2007, and 2008-2010

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

October 2012



# TABLE OF CONTENTS

	Page
<b>PURPOSE</b> .....	1
<b>HEALTH DISTRICT MAP</b>	
Counties Comprising Idaho Health Districts.....	3
<b>NATALITY</b>	
<i>(U.S. Rates in 2003, 2006, and 2009 and Idaho and District Three-Year Numbers and Rates in 2002-2004, 2005-2007, and 2008-2010)</i>	
Percentage of first trimester prenatal care .....	4
Percentage of preterm births.....	6
Percentage of low birthweight births .....	8
Percentage of mothers who smoked during pregnancy.....	10
Percentage of births to unmarried mothers.....	12
Teen pregnancy rate .....	14
<b>MORTALITY</b>	
<i>(U.S. Age-Adjusted Rates in 2003, 2006, and 2009 and Idaho and District Three-Year Numbers and Average Annual Age-Adjusted Rates in 2002-2004, 2005-2007, and 2008-2010)</i>	
Diseases of heart .....	16
Malignant neoplasms .....	18
Trachea, bronchus and lung .....	20
Colon, rectum and anus.....	22
Breast (female).....	24
Prostate (male).....	26
Cerebrovascular diseases (stroke) .....	28
Chronic lower respiratory diseases .....	30
Accidents (unintentional injuries) .....	32
Motor vehicle accidents.....	34
Diabetes mellitus .....	36
Alzheimer's disease .....	38
Influenza and pneumonia .....	40
Intentional self-harm (suicide) .....	42
Chronic liver disease and cirrhosis .....	44
Nephritis, nephrotic syndrome and nephrosis.....	46
Assault (homicide).....	48
Injury by firearms.....	50
Alcohol-induced mortality .....	52
Drug-induced mortality .....	54
Infant deaths.....	56
Congenital malformations, deformations and chromosomal abnormalities .....	58
Sudden infant death syndrome (SIDS) .....	60
<b>DISTRICT SUMMARIES</b>	
<i>(Idaho and district natality and mortality rates and significance, 2008-2010)</i>	
District 1 Natality.....	62
District 1 Mortality .....	63
District 2 Natality.....	64
District 2 Mortality .....	65
District 3 Natality.....	66
District 3 Mortality .....	67
District 4 Natality.....	68
District 4 Mortality .....	69
District 5 Natality.....	70
District 5 Mortality .....	71
District 6 Natality.....	72
District 6 Mortality .....	73

District 7 Natality .....	74
District 7 Mortality .....	75
<b>DEFINITIONS AND FORMULAS</b> .....	<b>76</b>
<b>TECHNICAL NOTES</b>	
Natality .....	78
Mortality .....	79
Statistical Methods .....	82
Percent Change in Rate over Time .....	84
Health Districts .....	84

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# IDAHO VITAL STATISTICS HEALTH DISTRICT REPORT

## Purpose

There are two main purposes of this report. First, the report provides Idaho resident birth and death trends by district of residence that are comparable over time. Second, this report provides birth and death rates and 95 percent confidence intervals of the rates for the purpose of determining statistical differences over time and among districts and Idaho as a whole.

Nativity data are shown for selected maternal characteristics, birth outcomes, and for teen pregnancy. Natality data in this report are primarily represented by three-year aggregate time periods: 2002-2004, 2005-2007, and 2008-2010. However, due to a change in the Idaho birth certificate in 2004, some measures have changed and are not comparable to those prior to 2004. The two measures in this report that changed were: 'First Trimester Prenatal Care' and 'Mothers Who Smoked During Pregnancy'. For these two measures three-year aggregate data are provided for 2005-2007 and 2008-2010 only. See Technical Notes at the end of this report for more information on the changes to the birth certificate in 2004.

Mortality data in this report are provided by three three-year aggregate time periods: 2002-2004, 2005-2007, and 2008-2010. Death statistics are provided for the leading causes of deaths to Idahoans, including Diseases of heart; Malignant neoplasms; Cerebrovascular diseases; Chronic lower respiratory diseases; Accidents (unintentional injuries); Diabetes mellitus; Alzheimer's disease; Influenza and pneumonia; Intentional self-harm (suicide); Chronic liver disease and cirrhosis; and Nephritis, nephrotic syndrome, and nephrosis. Also shown are Trachea, bronchus and lung; Prostate (male); Colon, rectum and anus; and Breast (female), which are subsets of Malignant neoplasms, and Motor vehicle accidents, which is a subset of Accidents (unintentional injuries). In addition, deaths due to Assault (homicide), Injury by firearm, and Alcohol-induced and Drug-induced deaths are included in the tables. Infant death data are provided for all infant deaths, Congenital malformations, deformations and chromosomal abnormalities (birth defects), and Sudden infant death syndrome (SIDS).

For convenience, four possible interpretations of the data are provided on the following page for the trend tables in the first section of this report. These interpretations are meant to serve as examples of how Idaho's data can be compared over time, how district data compares with Idaho data, and/or how one district's data compares with other districts' data. There are more interpretations of the data than shown.

Here is an example:

Idaho and District Resident Deaths  
Diseases of heart  
Average Annual Age-Adjusted Rates  
2002-2004, 2005-2007, and 2008-2010

		Idaho	District 1	District 2	District 3	District 4	District 5	District 6	District 7
2002-2004	Deaths	7,541	1,169	676	1,240	1,539	1,031	997	889
	Rate <sup>1</sup>	194.2	191.2	182.1	198.6	175.1	188.0	229.7	218.8
	95% CI <sup>2</sup>	189.8 - 198.5	180.3 - 202.1	168.4 - 195.8	187.6 - 209.6	166.4 - 183.8	176.5 - 199.4	215.6 - 243.8	204.6 - 233.1
2005-2007	Deaths	7,246	1,104	639	1,160	1,641	990	893	819
	Rate <sup>1</sup>	169.2	159.9	161.7	165.4	163.5	169.1	197.4	186.7
	95% CI <sup>2</sup>	165.3 - 173.1	150.5 - 169.3	149.2 - 174.3	155.9 - 175.0	155.6 - 171.4	158.6 - 179.7	184.5 - 210.3	174.0 - 199.5
2008-2010	Deaths	7,199	1,160	699	1,170	1,574	870	892	834
	Rate <sup>1</sup>	155.1	153.9	166.3	155.2	139.6	143.1	184.8	170.9
	95% CI <sup>2</sup>	151.5 - 158.6	145.1 - 162.8	154.0 - 178.7	146.3 - 164.1	132.7 - 146.5	133.5 - 152.6	172.7 - 196.8	159.3 - 182.4

1. Rate: Average annual age-adjusted death rate per 100,000 population. Rates are standardized to the year 2000.

2. 95 percent confidence interval. This interval can be interpreted to mean that there is a 95 percent certainty that the true age-adjusted rate falls within the confidence interval.

Interpretation 1 (Comparison of independent rates over time):

In 2008-2010, the age-adjusted death rate for Idaho (155.1) was significantly lower than the Idaho rate in 2002-2004 (194.2) and in 2005-2007 (169.2).

Interpretation 2 (Comparison of dependent rates within time period):

In 2008-2010, District 6 had the highest rate (184.8); the rate for District 6 was significantly higher than Idaho's rate (155.1).

Interpretation 3 (Comparison of independent rates within time period):

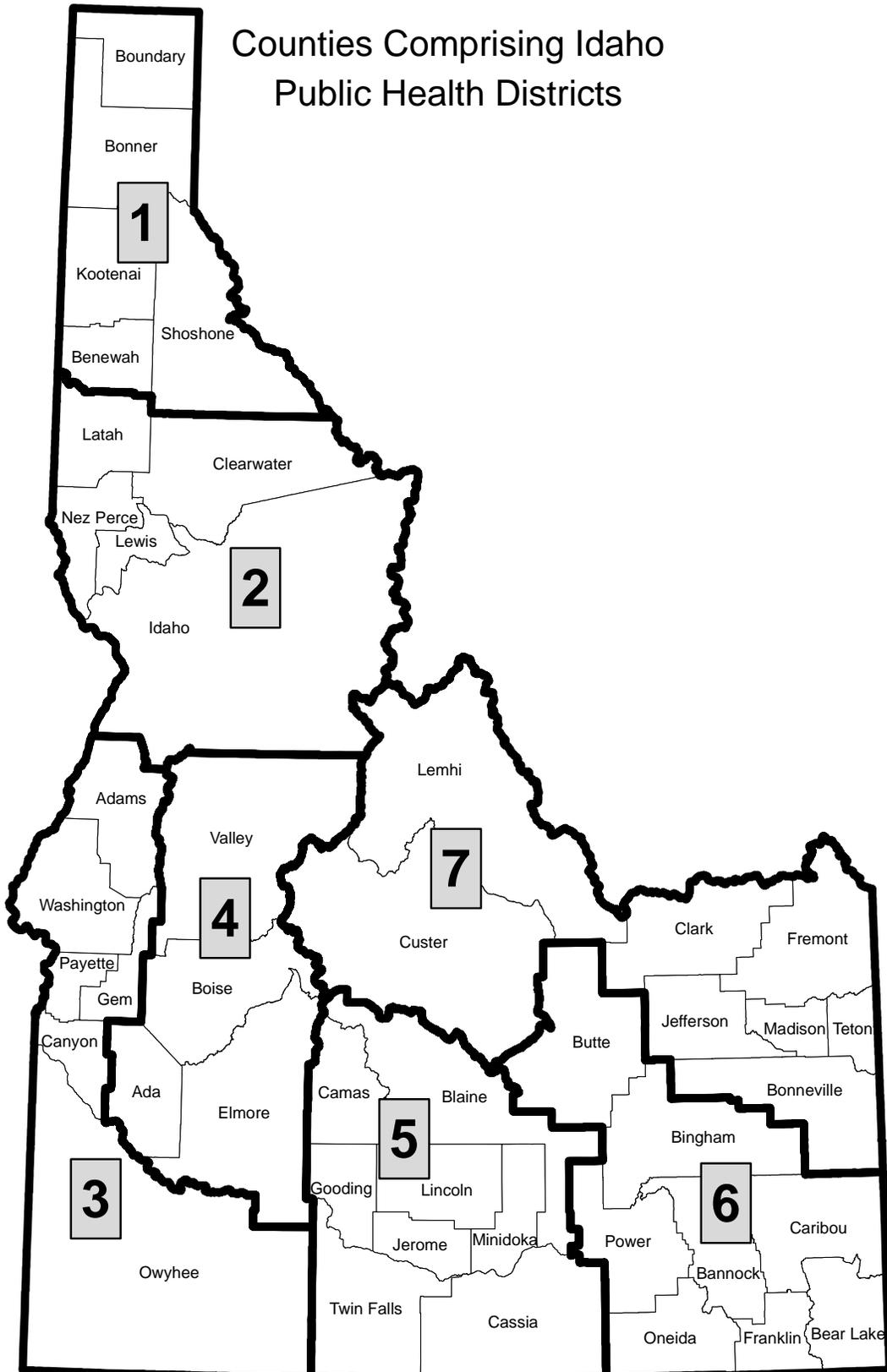
In 2008-2010, District 6 had the highest rate (184.8); the rate for District 6 was significantly higher than the rates of all other districts except for District 2 (166.3) and District 7 (170.9).

Interpretation 4 (Percent change over time):

The Idaho age-adjusted rate decreased 20.1 percent from 2002-2004 (194.2) to 2008-2010 (155.1).

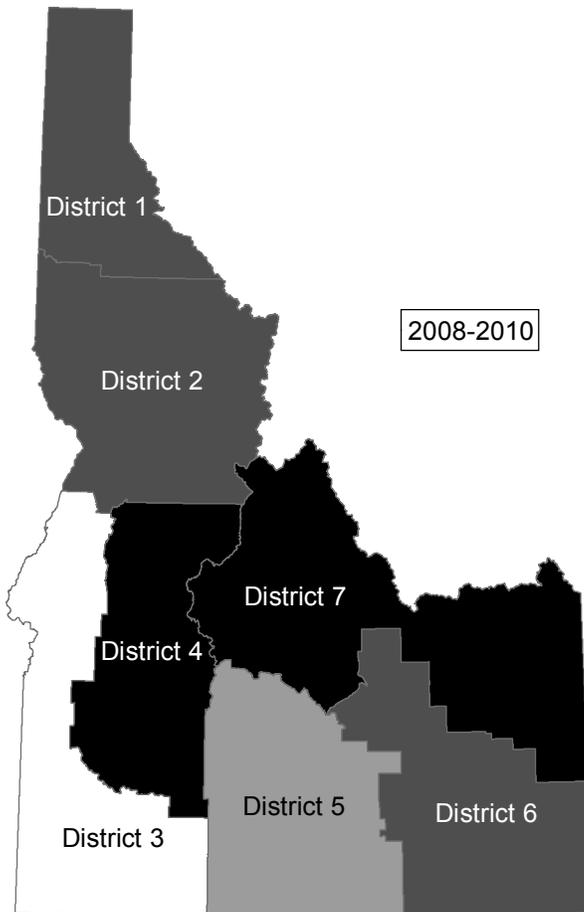
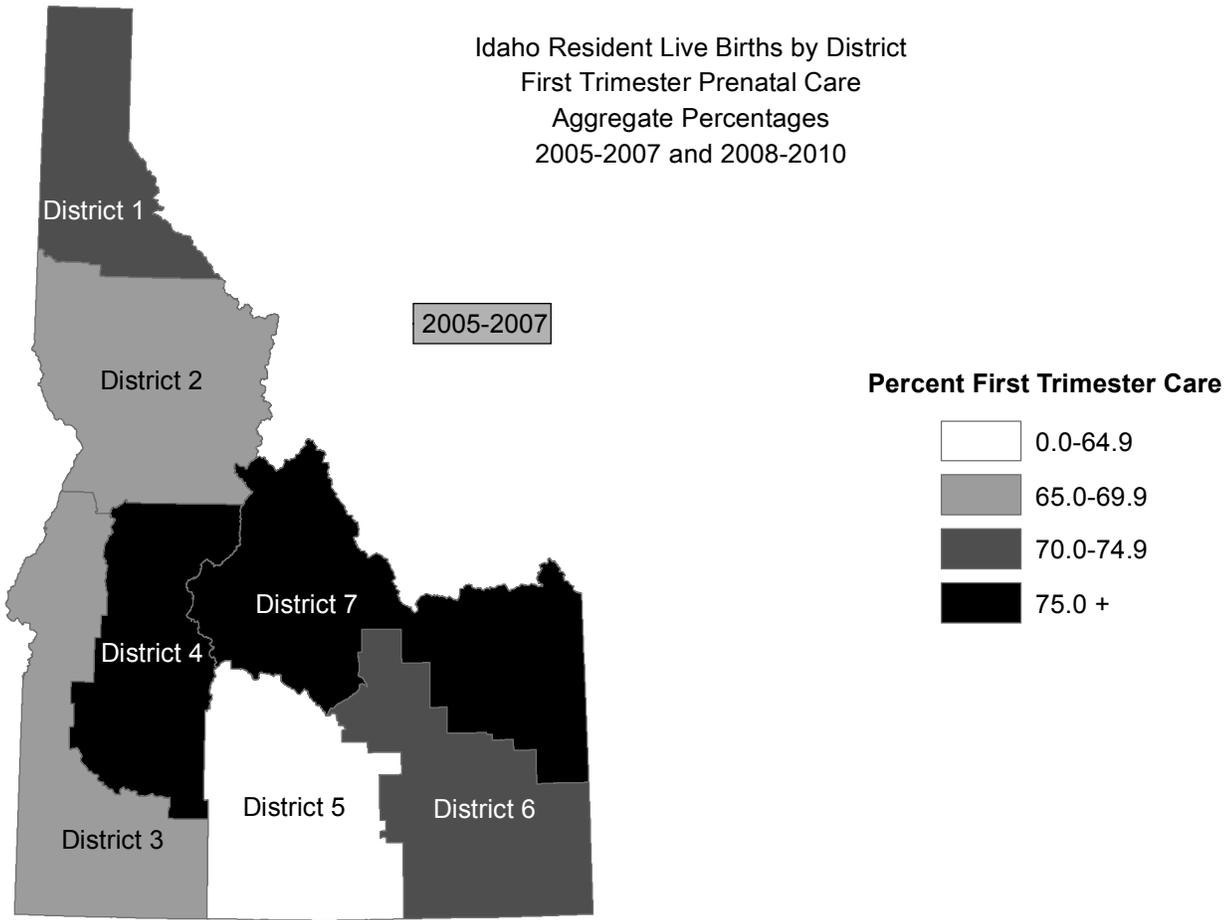
For more information on significance testing for dependent and independent rates and calculating percent change, see Technical Notes at the end of this report.

# Counties Comprising Idaho Public Health Districts

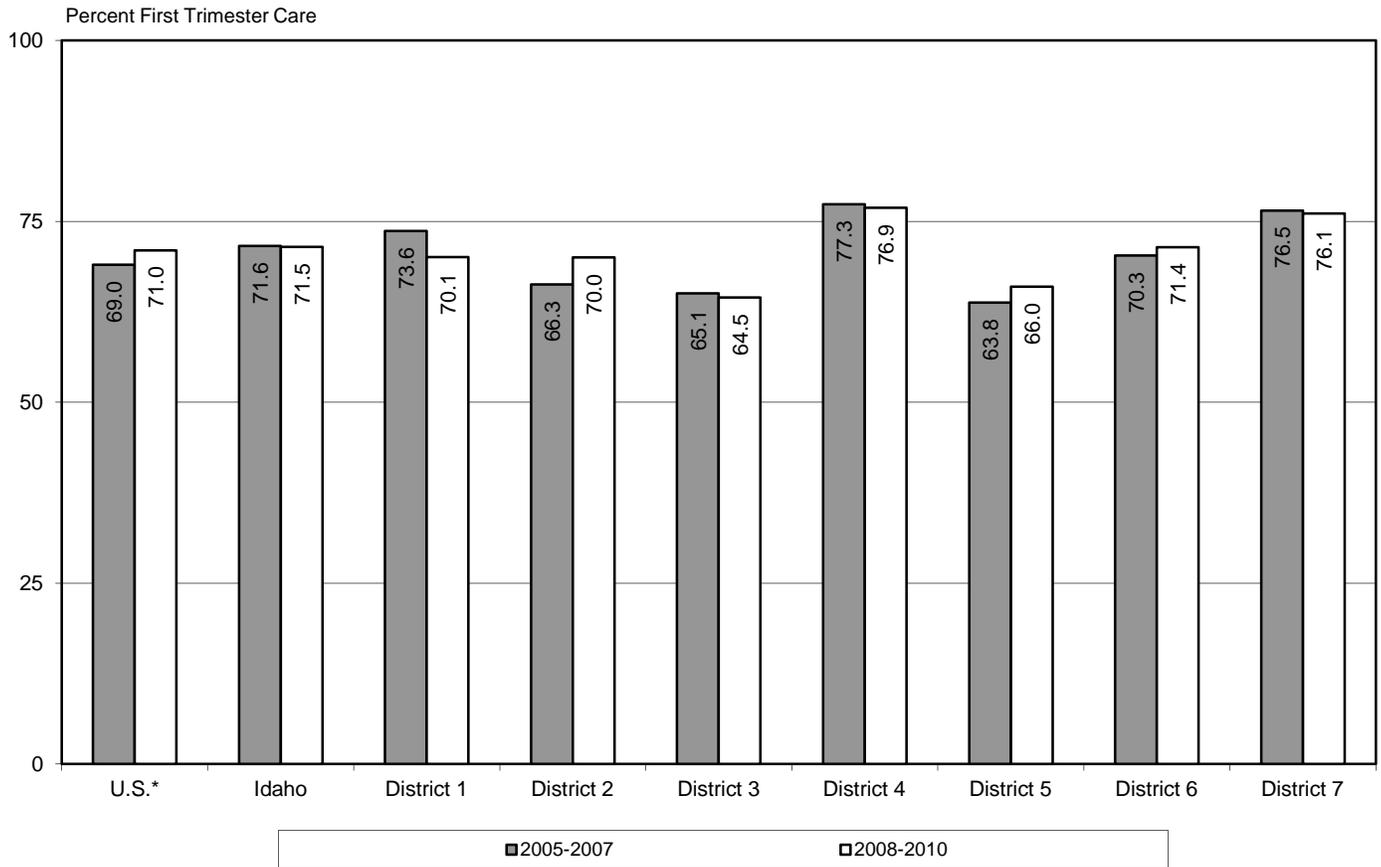


District 1	District 2	District 3	District 4	District 5	District 6	District 7
Benewah	Clearwater	Adams	Ada	Blaine	Bannock	Bonneville
Bonner	Idaho	Canyon	Boise	Camas	Bear Lake	Clark
Boundary	Latah	Gem	Elmore	Cassia	Bingham	Custer
Kootenai	Lewis	Owyhee	Valley	Gooding	Butte	Fremont
Shoshone	Nez Perce	Payette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

Idaho Resident Live Births by District  
First Trimester Prenatal Care  
Aggregate Percentages  
2005-2007 and 2008-2010



U.S., Idaho and District Resident Live Births  
 Percentage of First Trimester Prenatal Care  
 2005-2007 and 2008-2010



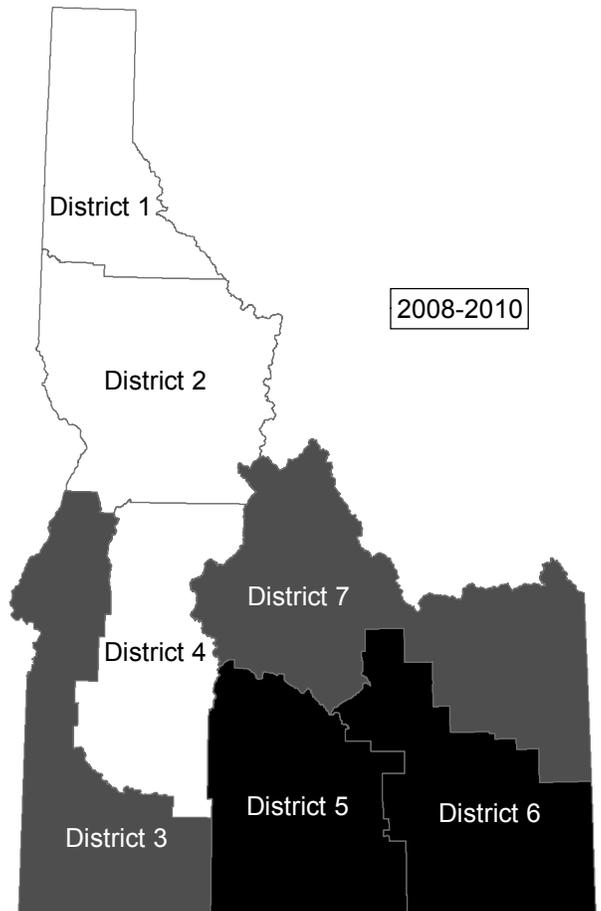
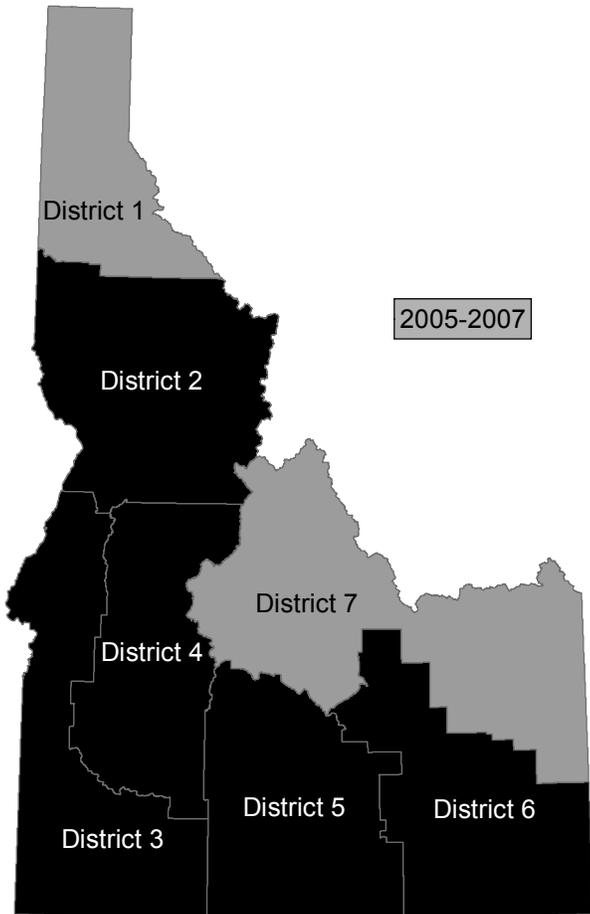
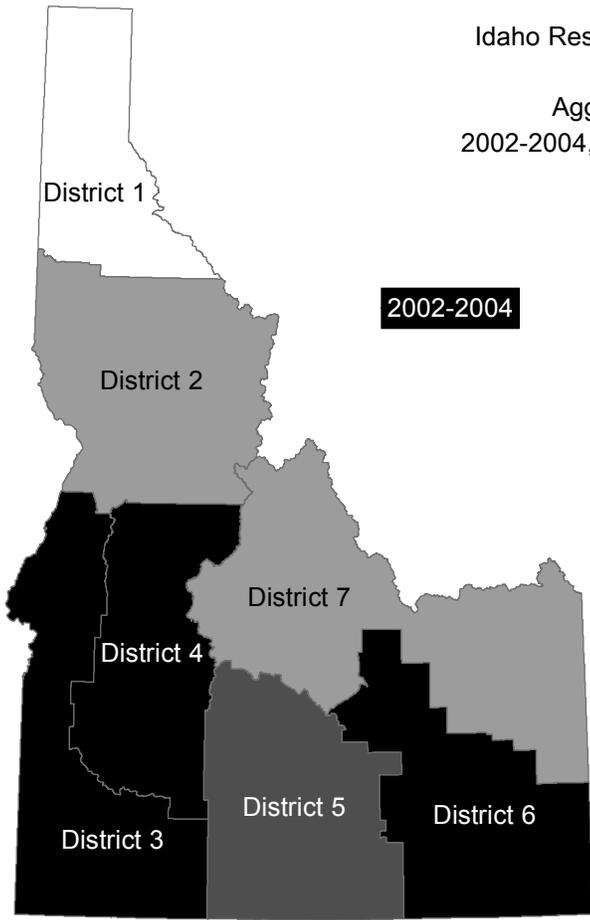
\*U.S. percentage in 2006 and 2008 (latest year available) based on states with revised certificates.

		Idaho	District 1	District 2	District 3	District 4	District 5	District 6	District 7
2005-2007	Total Births	72,272	7,338	3,451	13,196	18,991	8,888	8,720	11,688
	Early Care	50,061	5,310	2,256	7,961	14,528	5,597	5,651	8,758
	Percent <sup>1</sup>	71.6	73.6	66.3	65.1	77.3	63.8	70.3	76.5
	95% CI <sup>2</sup>	71.0 - 72.2	71.7 - 75.6	63.6 - 69.0	63.8 - 66.4	76.1 - 78.6	62.1 - 65.4	68.6 - 71.9	75.0 - 78.0
2008-2010	Total Births	72,084	7,684	3,603	12,367	18,038	9,171	8,834	12,387
	Early Care	51,073	5,317	2,495	7,940	13,821	6,022	6,108	9,370
	Percent <sup>1</sup>	71.5	70.1	70.0	64.5	76.9	66.0	71.4	76.1
	95% CI <sup>2</sup>	70.9 - 72.1	68.2 - 71.9	67.3 - 72.7	63.0 - 65.9	75.6 - 78.1	64.3 - 67.6	69.7 - 73.1	74.6 - 77.6

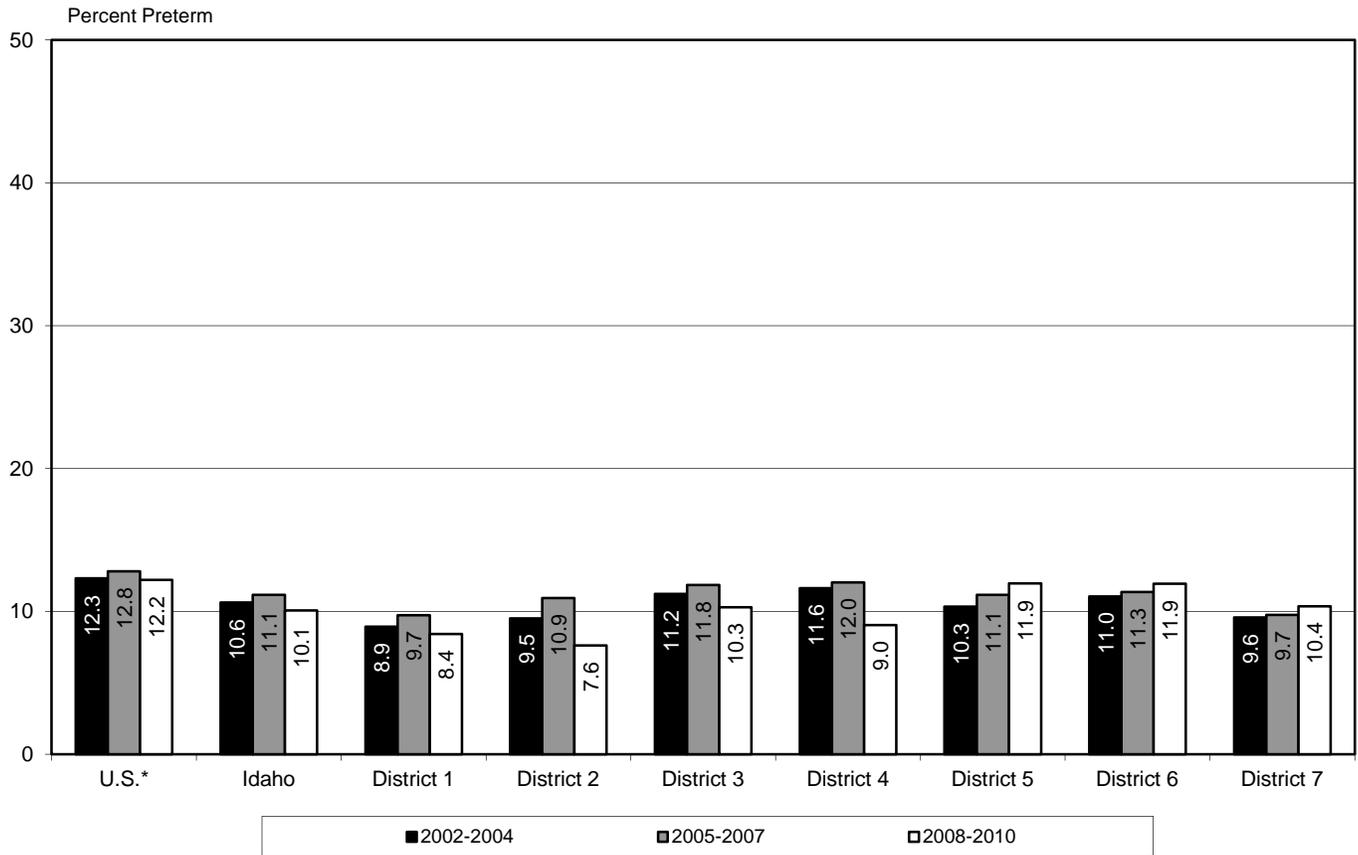
1. Percentages are based on records with known data for prenatal care. The number of records with unknown prenatal care not shown.
2. 95 percent confidence interval (CI). This interval can be interpreted to mean that there is a 95 percent certainty the true percent falls within the confidence interval.

Prenatal care based on the date of first prenatal care visit as reported in the mother's medical record.  
 See Technical notes for methodology.

Idaho Resident Live Births by District  
 Preterm Births  
 Aggregate Percentages  
 2002-2004, 2005-2007, and 2008-2010



U.S., Idaho and District Resident Live Births  
 Percentage of Preterm Births  
 2002-2004, 2005-2007, and 2008-2010



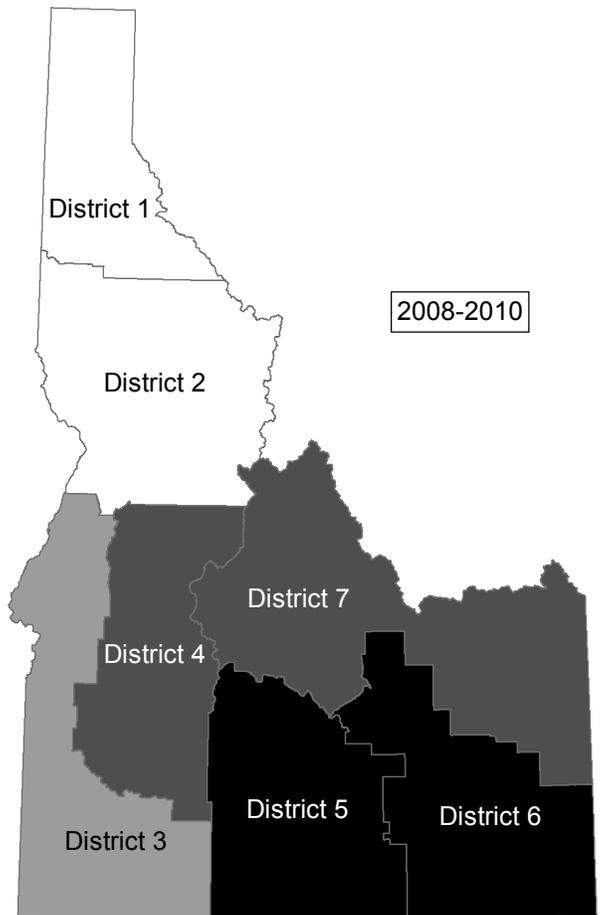
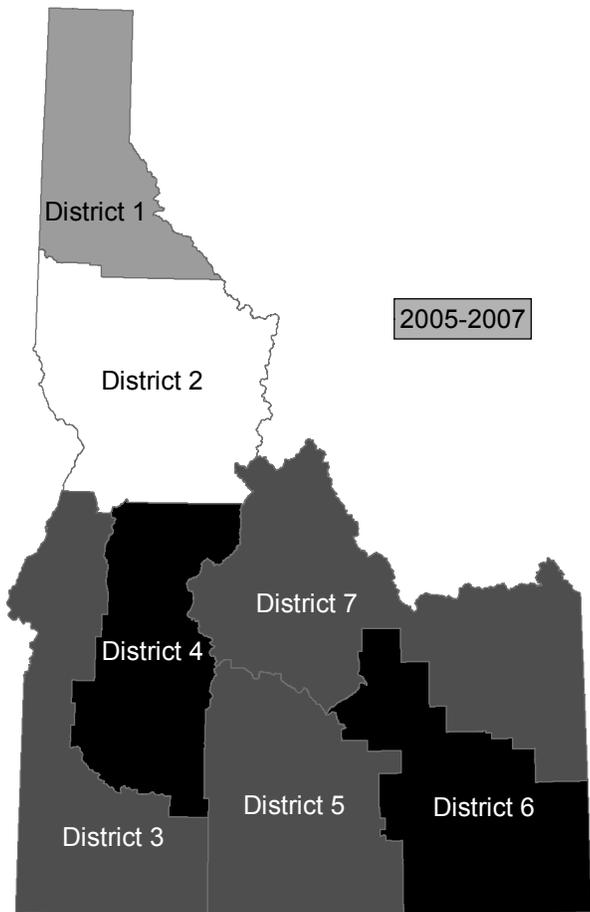
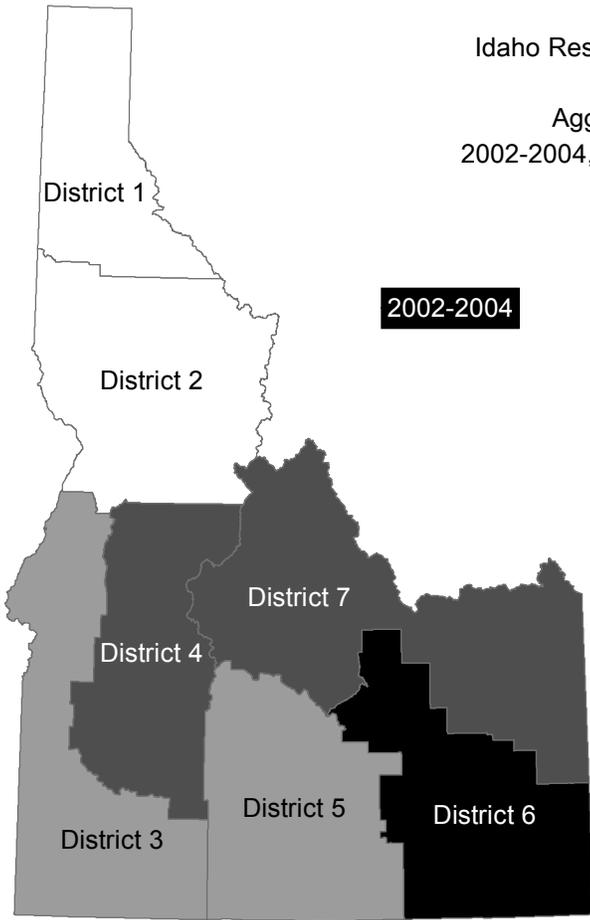
\*U.S. percentage in 2003, 2006, and 2009.

		Idaho	District 1	District 2	District 3	District 4	District 5	District 6	District 7
2002-2004	Total Births	65,296	6,859	3,421	11,580	17,246	8,132	8,469	9,589
	Preterm	6,920	610	325	1,295	2,001	839	934	916
	Percent <sup>1</sup>	10.6	8.9	9.5	11.2	11.6	10.3	11.0	9.6
	95% CI <sup>2</sup>	10.4 - 10.9	8.3 - 9.6	8.5 - 10.5	10.6 - 11.8	11.1 - 12.1	9.7 - 11.0	10.4 - 11.7	9.0 - 10.1
2005-2007	Total Births	72,272	7,338	3,451	13,196	18,991	8,888	8,720	11,688
	Preterm	8,047	713	376	1,561	2,280	990	989	1,138
	Percent <sup>1</sup>	11.1	9.7	10.9	11.8	12.0	11.1	11.3	9.7
	95% CI <sup>2</sup>	10.9 - 11.4	9.1 - 10.4	9.9 - 12.0	11.3 - 12.4	11.6 - 12.5	10.5 - 11.8	10.7 - 12.0	9.2 - 10.3
2008-2010	Total Births	72,084	7,684	3,603	12,367	18,038	9,171	8,834	12,387
	Preterm	7,248	646	274	1,270	1,628	1,095	1,053	1,282
	Percent <sup>1</sup>	10.1	8.4	7.6	10.3	9.0	11.9	11.9	10.4
	95% CI <sup>2</sup>	9.8 - 10.3	7.8 - 9.0	6.7 - 8.5	9.7 - 10.8	8.6 - 9.4	11.3 - 12.6	11.3 - 12.6	9.8 - 10.9

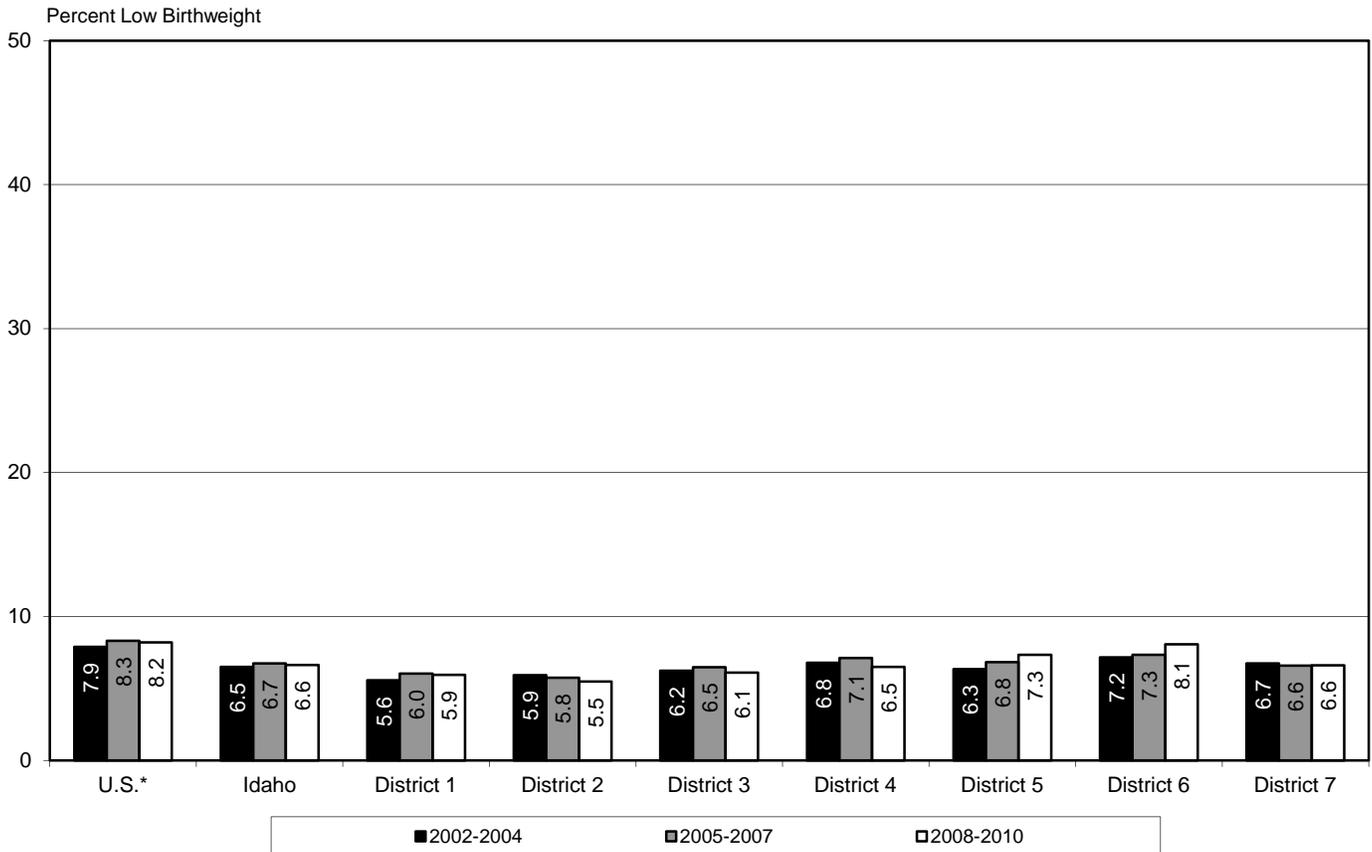
1. Percentages are based on records with known data for length of gestation. The number of records with unknown length of gestation not shown.
2. 95 percent confidence interval (CI). This interval can be interpreted to mean that there is a 95 percent certainty the true percent falls within the confidence interval.

See Technical notes for methodology.

Idaho Resident Live Births by District  
 Low Birthweight  
 Aggregate Percentages  
 2002-2004, 2005-2007, and 2008-2010



U.S., Idaho and District Resident Live Births  
 Percentage of Low Birthweight Births  
 2002-2004, 2005-2007, and 2008-2010



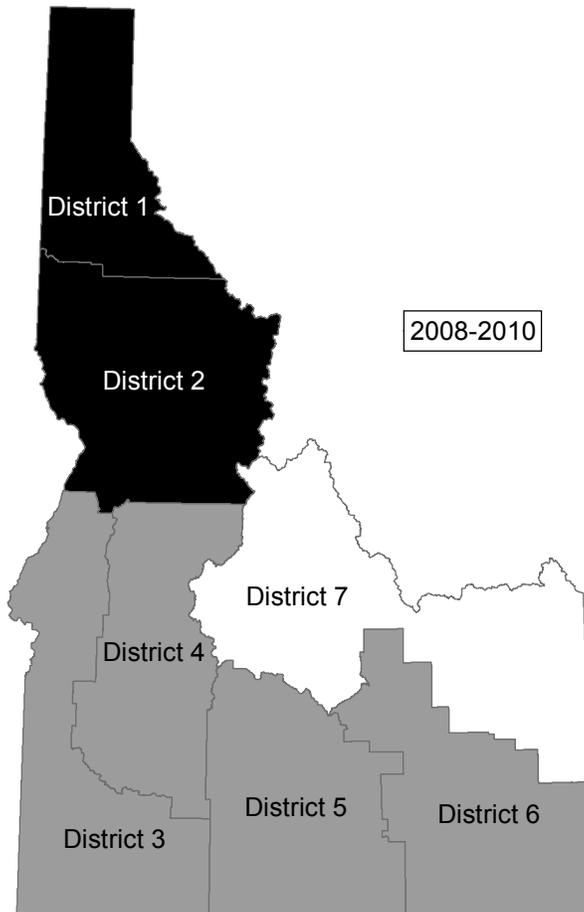
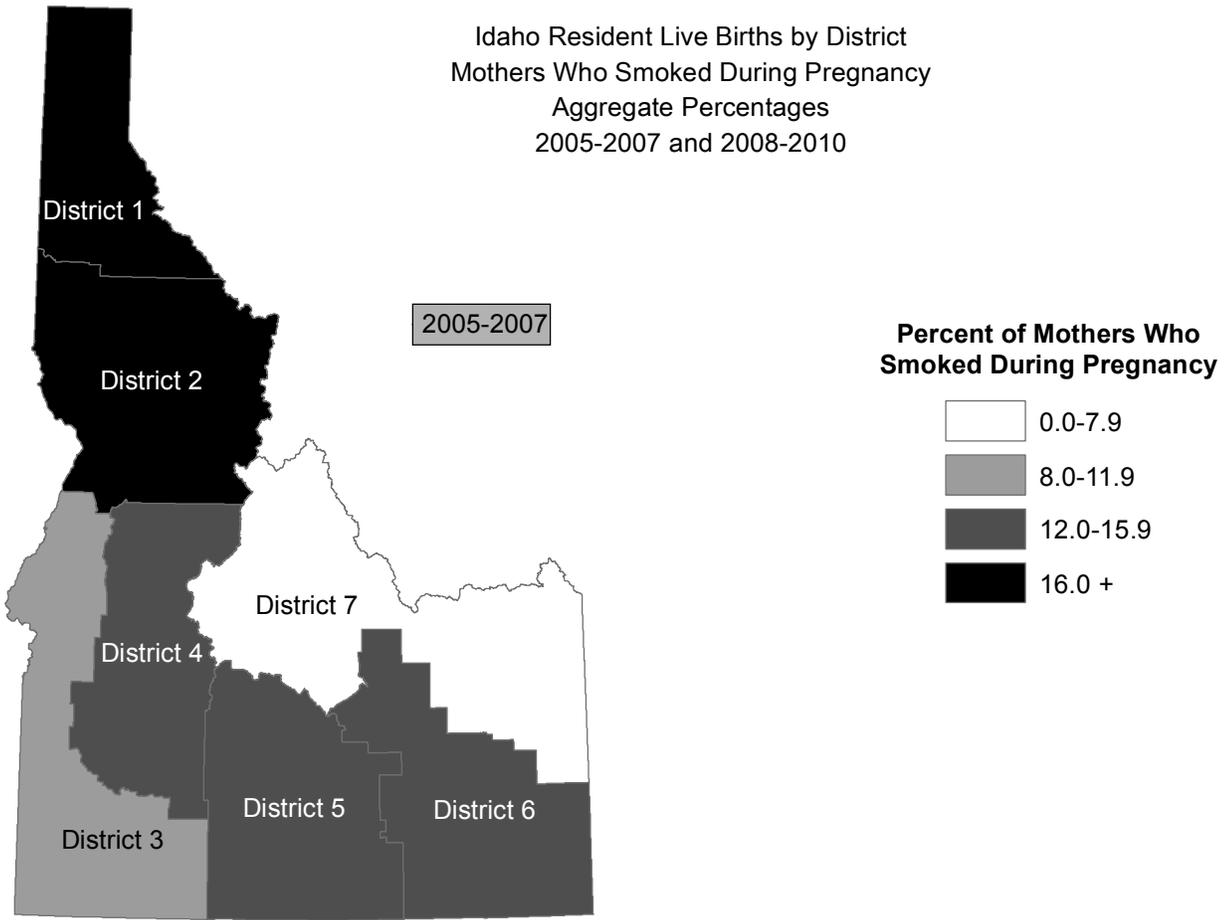
\*U.S. percentage in 2003, 2006, and 2009.

	Idaho	District 1	District 2	District 3	District 4	District 5	District 6	District 7	
2002-2004	Total Births	65,296	6,859	3,421	11,580	17,246	8,132	8,469	9,589
	LBW	4,242	381	203	720	1,171	516	606	645
	Percent <sup>1</sup>	6.5	5.6	5.9	6.2	6.8	6.3	7.2	6.7
	95% CI <sup>2</sup>	6.3 - 6.7	5.0 - 6.1	5.1 - 6.7	5.8 - 6.7	6.4 - 7.2	5.8 - 6.9	6.6 - 7.7	6.2 - 7.2
2005-2007	Total Births	72,272	7,338	3,451	13,196	18,991	8,888	8,720	11,688
	LBW	4,863	442	198	853	1,352	607	640	771
	Percent <sup>1</sup>	6.7	6.0	5.8	6.5	7.1	6.8	7.3	6.6
	95% CI <sup>2</sup>	6.6 - 6.9	5.5 - 6.6	5.0 - 6.5	6.1 - 6.9	6.8 - 7.5	6.3 - 7.4	6.8 - 7.9	6.1 - 7.0
2008-2010	Total Births	72,084	7,684	3,603	12,367	18,038	9,171	8,834	12,387
	LBW	4,782	457	197	754	1,170	673	712	819
	Percent <sup>1</sup>	6.6	5.9	5.5	6.1	6.5	7.3	8.1	6.6
	95% CI <sup>2</sup>	6.5 - 6.8	5.4 - 6.5	4.7 - 6.2	5.7 - 6.5	6.1 - 6.8	6.8 - 7.9	7.5 - 8.6	6.2 - 7.0

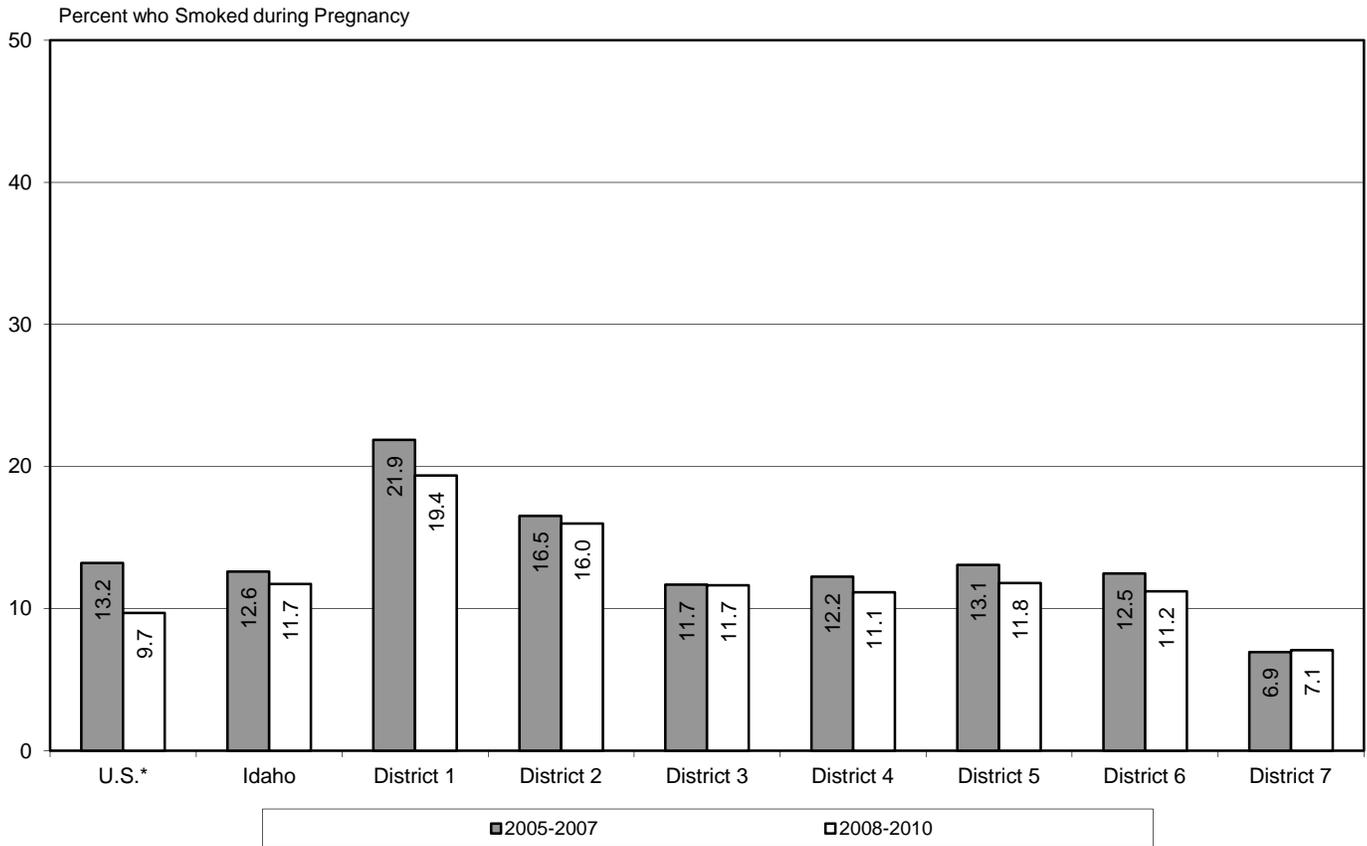
1. Percentages are based on records with known data for birthweight. The number of records with unknown birthweight not shown.
2. 95 percent confidence interval (CI). This interval can be interpreted to mean that there is a 95 percent certainty the true percent falls within the confidence interval.

See Technical notes for methodology.

Idaho Resident Live Births by District  
Mothers Who Smoked During Pregnancy  
Aggregate Percentages  
2005-2007 and 2008-2010



U.S., Idaho and District Resident Live Births  
 Percentage of Mothers Who Smoked During Pregnancy  
 2005-2007 and 2008-2010



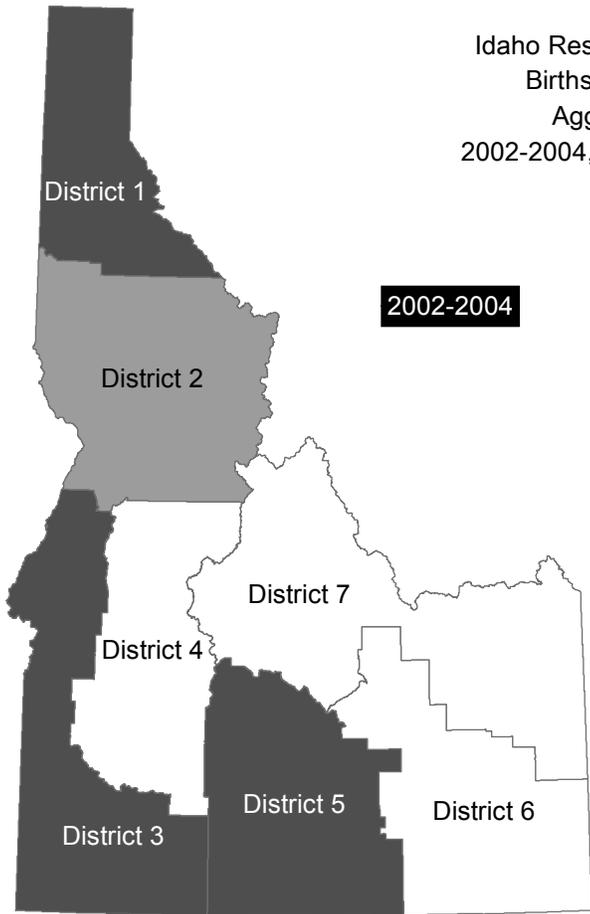
\*U.S. percentage in 2006 and 2008 (latest year available).

		Idaho	District 1	District 2	District 3	District 4	District 5	District 6	District 7
2005-2007	Total Births	72,272	7,338	3,451	13,196	18,991	8,888	8,720	11,688
	Used	9,080	1,599	568	1,536	2,321	1,161	1,086	809
	Percent <sup>1</sup>	12.6	21.9	16.5	11.7	12.2	13.1	12.5	6.9
	95% CI <sup>2</sup>	12.4 - 12.8	20.9 - 22.8	15.3 - 17.8	11.1 - 12.2	11.8 - 12.7	12.4 - 13.8	11.8 - 13.2	6.5 - 7.4
2008-2010	Total Births	72,084	7,684	3,603	12,367	18,038	9,171	8,834	12,387
	Used	8,451	1,484	575	1,439	2,007	1,082	990	874
	Percent <sup>1</sup>	11.7	19.4	16.0	11.7	11.1	11.8	11.2	7.1
	95% CI <sup>2</sup>	11.5 - 12.0	18.5 - 20.3	14.8 - 17.2	11.1 - 12.2	10.7 - 11.6	11.1 - 12.5	10.6 - 11.9	6.6 - 7.5

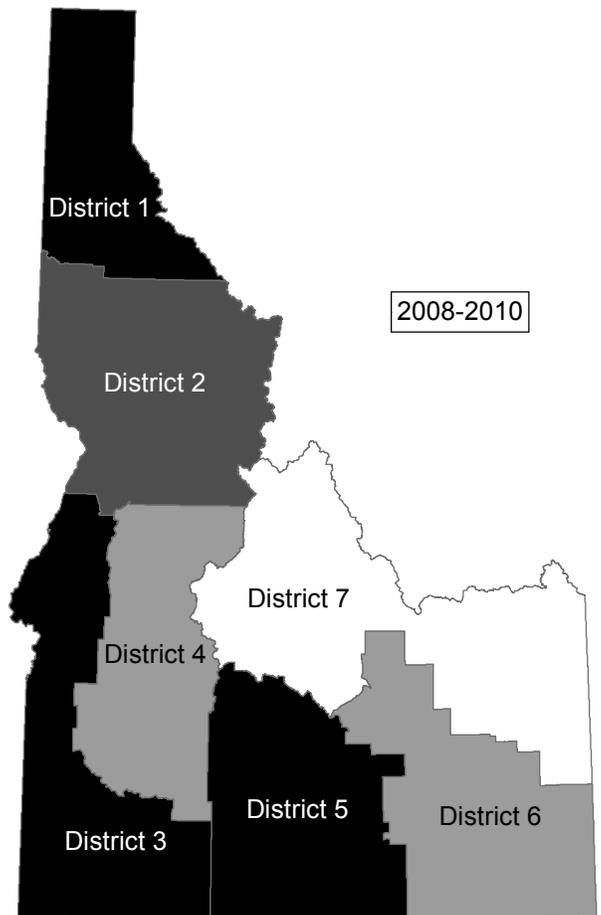
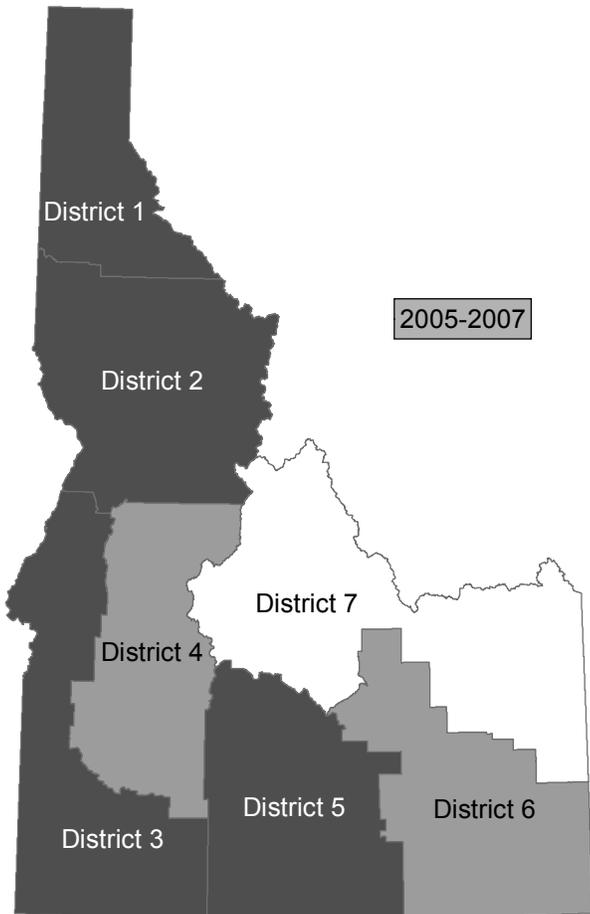
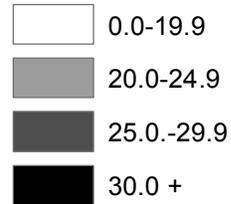
1. Percentages are based on records with known data for smoking during pregnancy. The number of records with unknown smoking data not shown.
2. 95 percent confidence interval (CI). This interval can be interpreted to mean that there is a 95 percent certainty the true percent falls within the confidence interval.

See Technical notes for methodology.

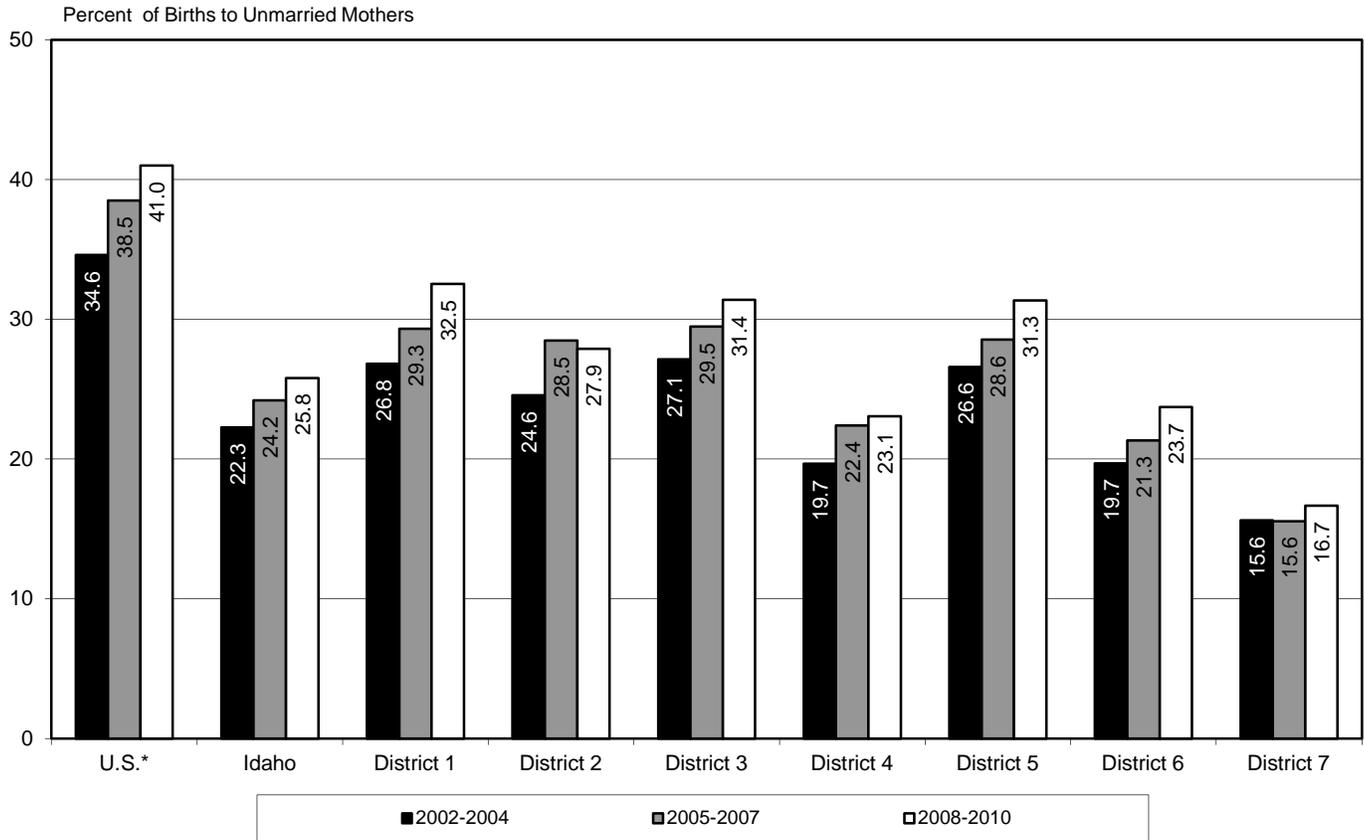
Idaho Resident Live Births by District  
 Births to Unmarried Mothers  
 Aggregate Percentages  
 2002-2004, 2005-2007, and 2008-2010



**Percent of Births to Unmarried Mothers**



U.S., Idaho and District Resident Live Births  
 Percentage of Births to Unmarried Mothers  
 2002-2004, 2005-2007, and 2008-2010



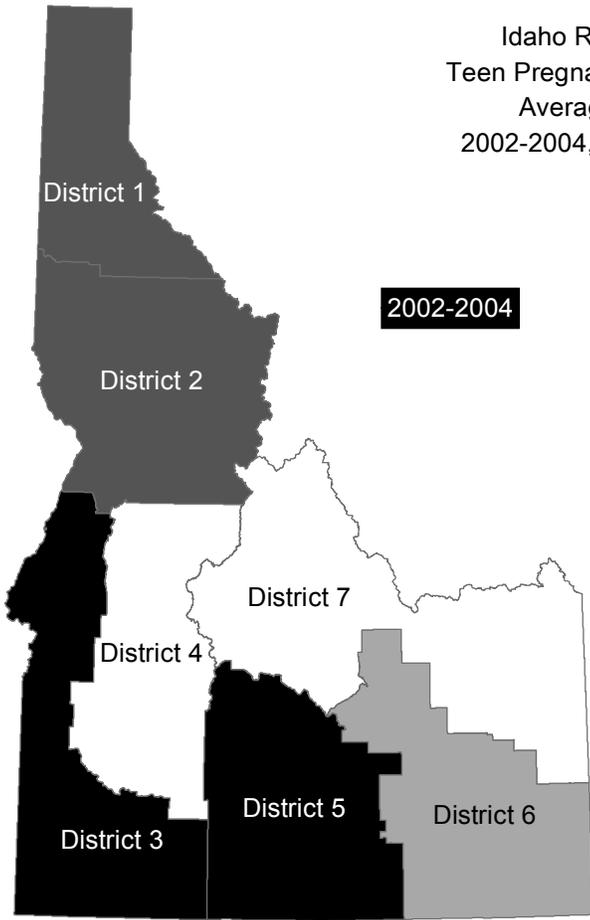
\*U.S. percentage in 2003, 2006, and 2009.

	Idaho	District 1	District 2	District 3	District 4	District 5	District 6	District 7	
2002-2004	Total Births	65,296	6,859	3,421	11,580	17,246	8,132	8,469	9,589
	Unmarried	14,541	1,840	840	3,141	3,393	2,162	1,668	1,497
	Percent <sup>1</sup>	22.3	26.8	24.6	27.1	19.7	26.6	19.7	15.6
	95% CI <sup>2</sup>	22.0 - 22.6	25.8 - 27.9	23.1 - 26.0	26.3 - 27.9	19.1 - 20.3	25.6 - 27.5	18.8 - 20.5	14.9 - 16.3
2005-2007	Total Births	72,272	7,338	3,451	13,196	18,991	8,888	8,720	11,688
	Unmarried	17,492	2,152	983	3,889	4,253	2,538	1,859	1,818
	Percent <sup>1</sup>	24.2	29.3	28.5	29.5	22.4	28.6	21.3	15.6
	95% CI <sup>2</sup>	23.9 - 24.5	28.3 - 30.4	27.0 - 30.0	28.7 - 30.2	21.8 - 23.0	27.6 - 29.5	20.5 - 22.2	14.9 - 16.2
2008-2010	Total Births	72,084	7,684	3,603	12,367	18,038	9,171	8,834	12,387
	Unmarried	18,585	2,500	1,005	3,883	4,161	2,875	2,096	2,065
	Percent <sup>1</sup>	25.8	32.5	27.9	31.4	23.1	31.3	23.7	16.7
	95% CI <sup>2</sup>	25.5 - 26.1	31.5 - 33.6	26.4 - 29.4	30.6 - 32.2	22.5 - 23.7	30.4 - 32.3	22.8 - 24.6	16.0 - 17.3

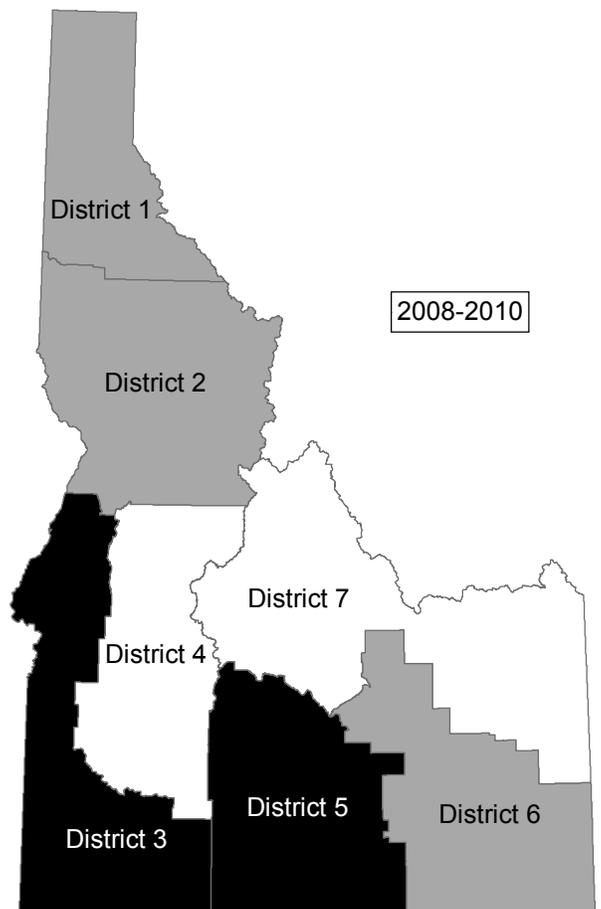
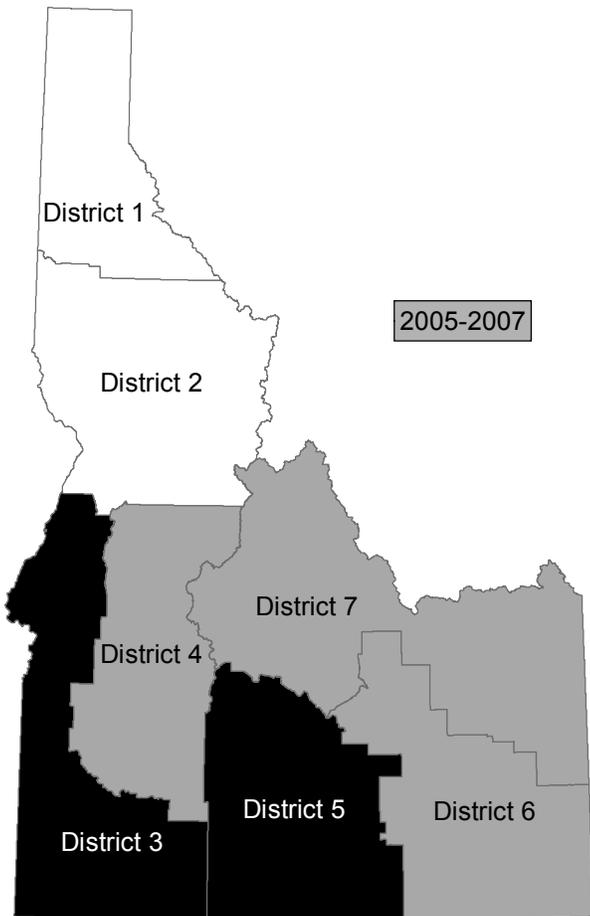
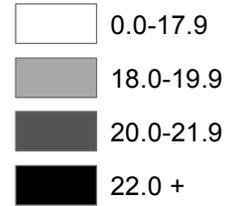
- Percentages are based on records with known data for marital status.
- 95 percent confidence interval (CI). This interval can be interpreted to mean that there is a 95 percent certainty the true percent falls within the confidence interval.

See Technical notes for methodology.

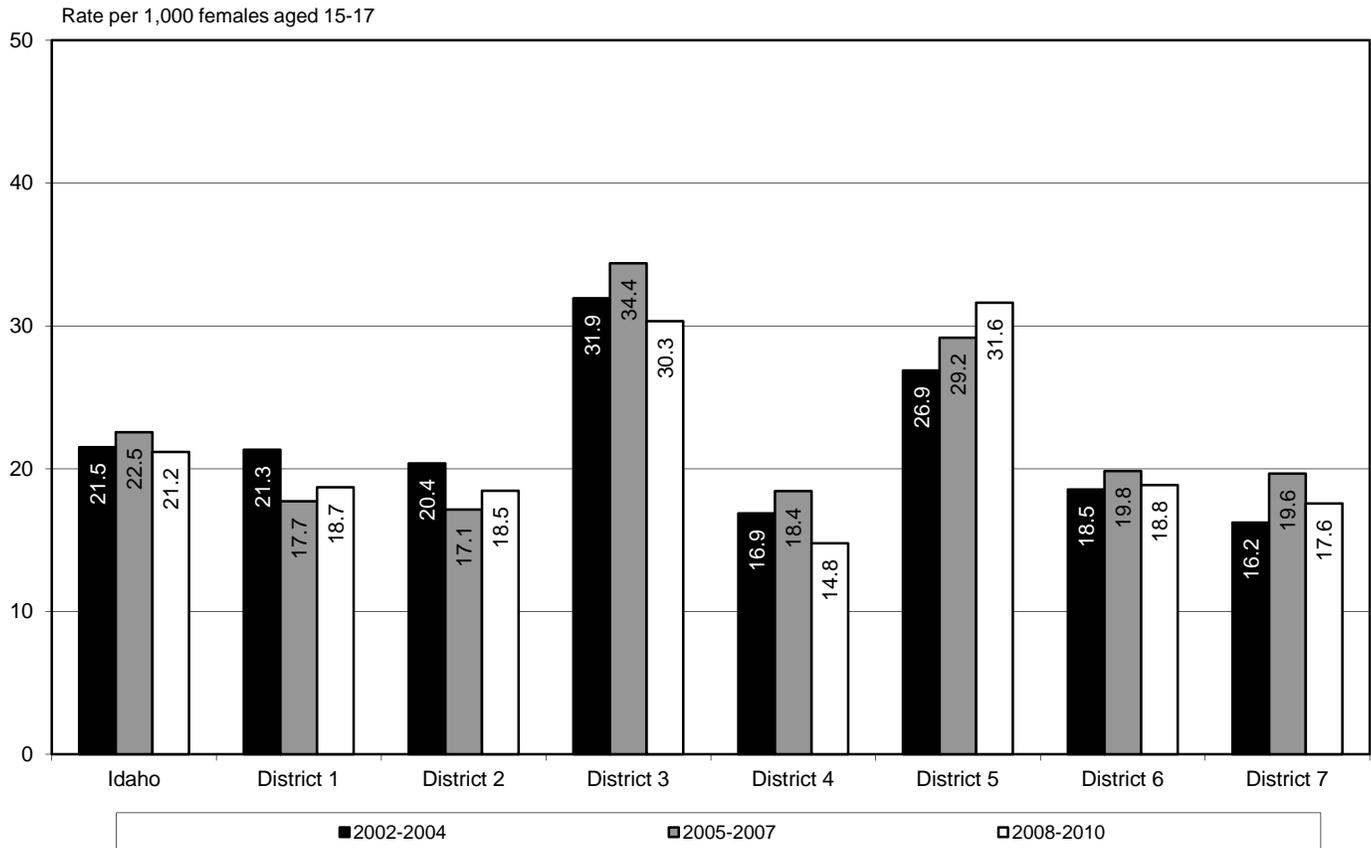
Idaho Resident Teen Pregnancy  
 Teen Pregnancy Rate, Teens Aged 15-17  
 Average Annual Crude Rates  
 2002-2004, 2005-2007, and 2008-2010



**Crude Rate  
 Per 1,000 Females Aged 15-17**



Idaho and District Resident Teen Pregnancy  
 Teen Pregnancy Rate, Teens Aged 15-17  
 2002-2004, 2005-2007, and 2008-2010



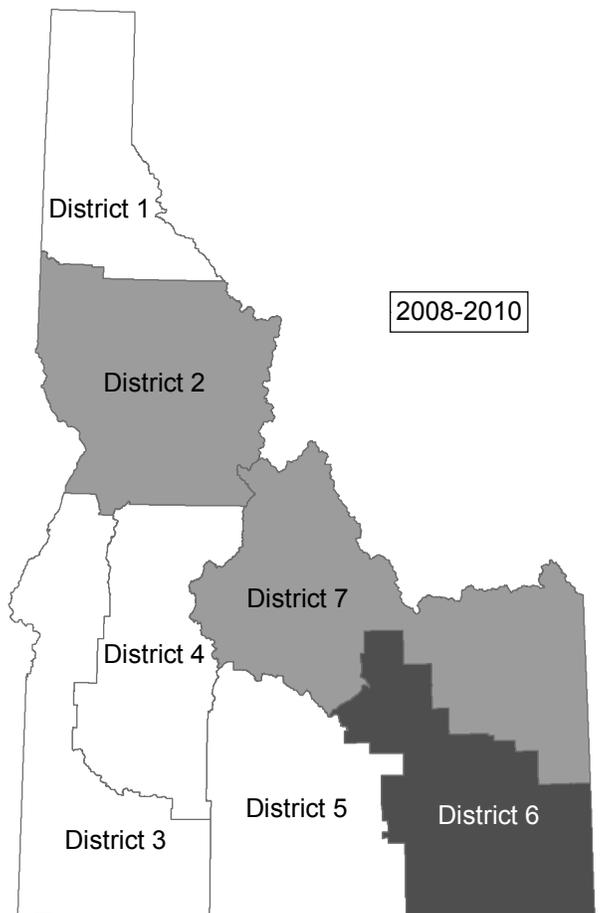
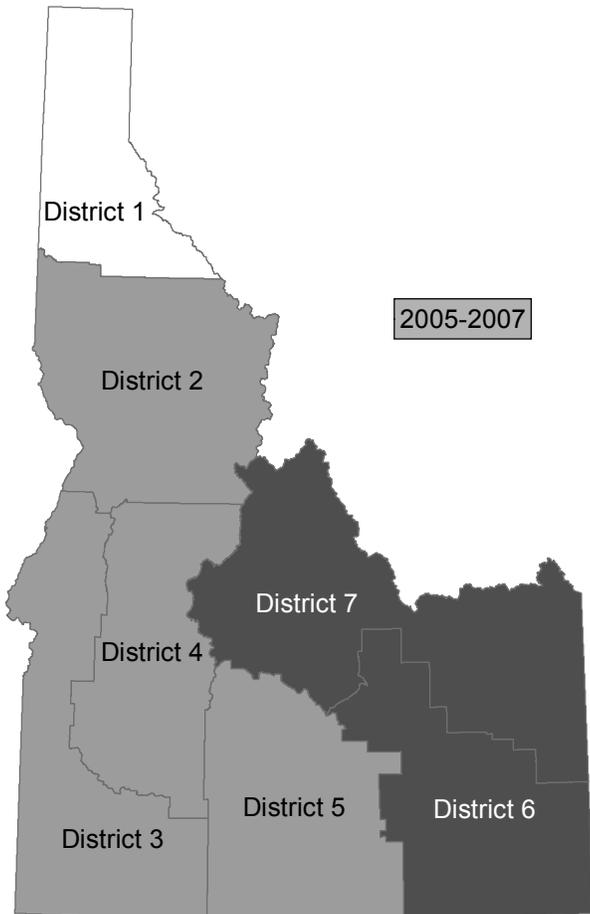
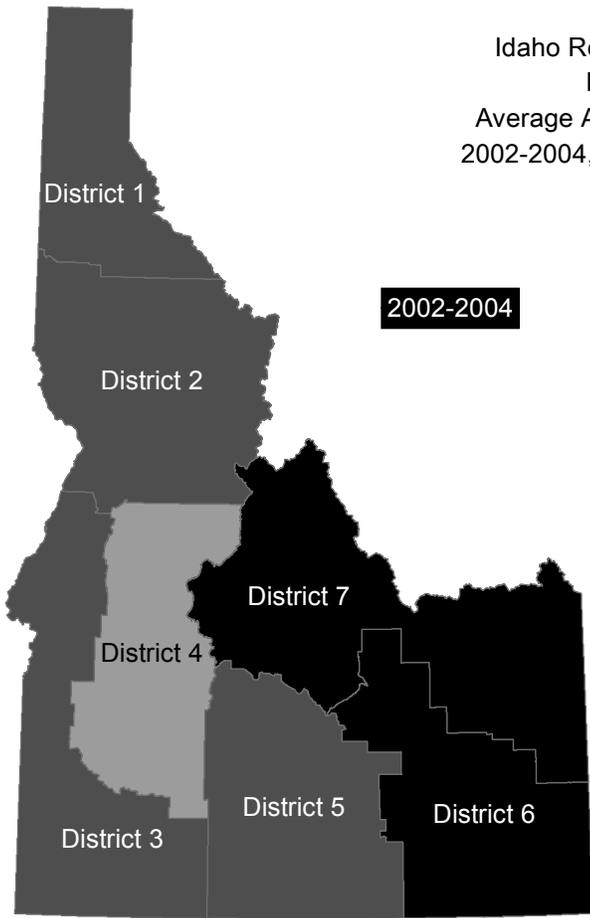
U.S. data are not comparable, therefore are not provided.

		Idaho	District 1	District 2	District 3	District 4	District 5	District 6	District 7
2002-2004	Pregnancies	2,022	273	119	475	392	326	224	213
	Rate <sup>1</sup>	21.5	21.3	20.4	31.9	16.9	26.9	18.5	16.2
	95% CI <sup>2</sup>	20.6 - 22.4	18.8 - 23.8	16.7 - 24.0	29.1 - 34.8	15.2 - 18.5	24.0 - 29.8	16.1 - 21.0	14.1 - 18.4
2005-2007	Pregnancies	2,209	242	99	559	464	350	240	255
	Rate <sup>1</sup>	22.5	17.7	17.1	34.4	18.4	29.2	19.8	19.6
	95% CI <sup>2</sup>	21.6 - 23.5	15.5 - 19.9	13.9 - 20.9	31.5 - 37.2	16.7 - 20.1	26.1 - 32.2	17.3 - 22.3	17.2 - 22.1
2008-2010	Pregnancies	2,089	247	101	524	381	387	217	232
	Rate <sup>1</sup>	21.2	18.7	18.5	30.3	14.8	31.6	18.8	17.6
	95% CI <sup>2</sup>	20.3 - 22.1	16.4 - 21.0	14.9 - 22.1	27.7 - 32.9	13.3 - 16.3	28.5 - 34.8	16.3 - 21.4	15.3 - 19.8

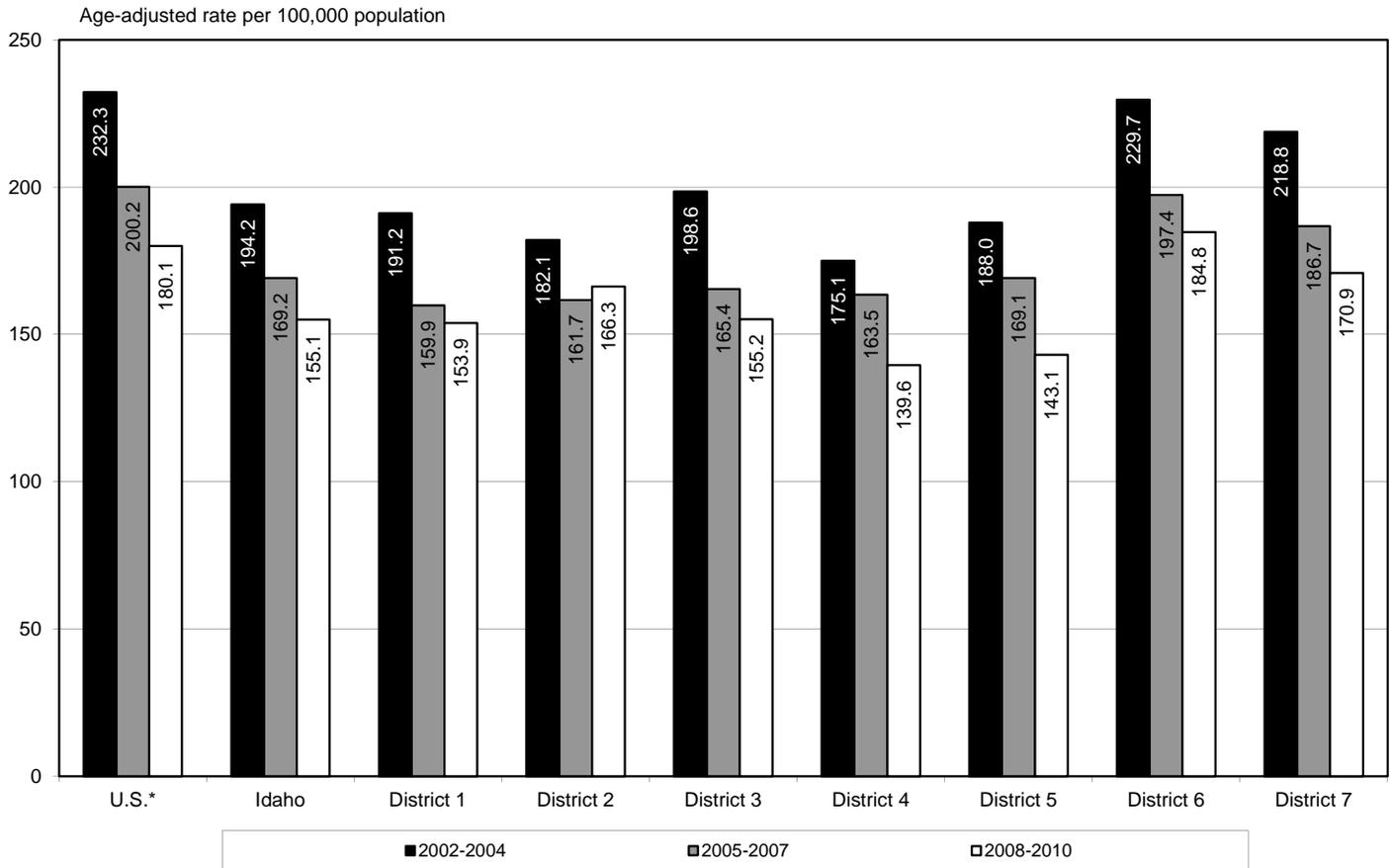
1. Rate: Total number of pregnancies per 1,000 females aged 15-17. Pregnancies include live births, induced abortions, and reportable stillbirths (only those fetal deaths with a gestational period of 20+ weeks or which weigh 350+ grams are required to be reported under Idaho law).
2. 95 percent confidence interval (CI). This interval can be interpreted to mean that there is a 95 percent certainty the true rate falls within the confidence interval.

See Technical notes for methodology.

Idaho Resident Deaths by District  
 Diseases of Heart  
 Average Annual Age-Adjusted Rates  
 2002-2004, 2005-2007, and 2008-2010



U.S., Idaho and District Resident Deaths  
Diseases of Heart  
Average Annual Age-Adjusted Rates  
2002-2004, 2005-2007, and 2008-2010



\*U.S. age-adjusted rate in 2003, 2006, and 2009.

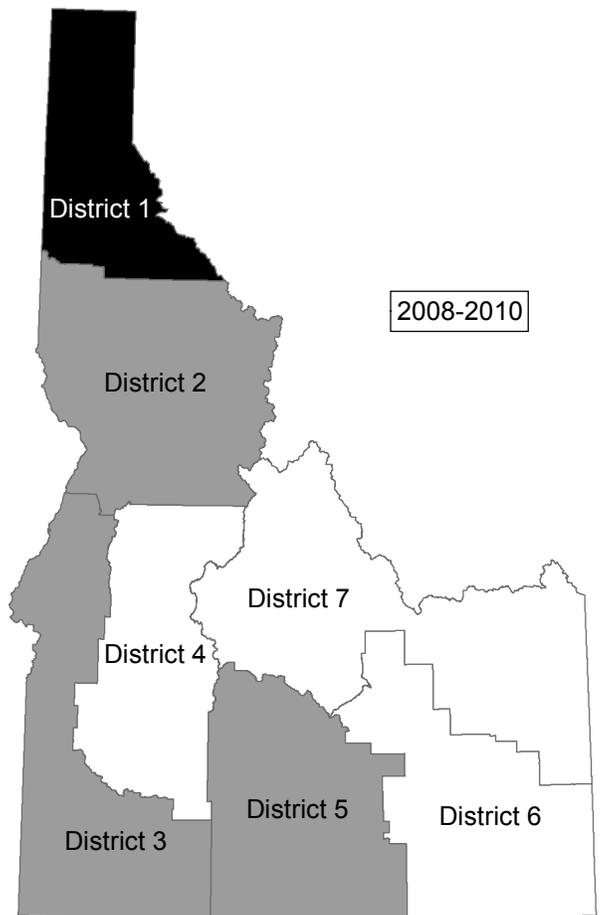
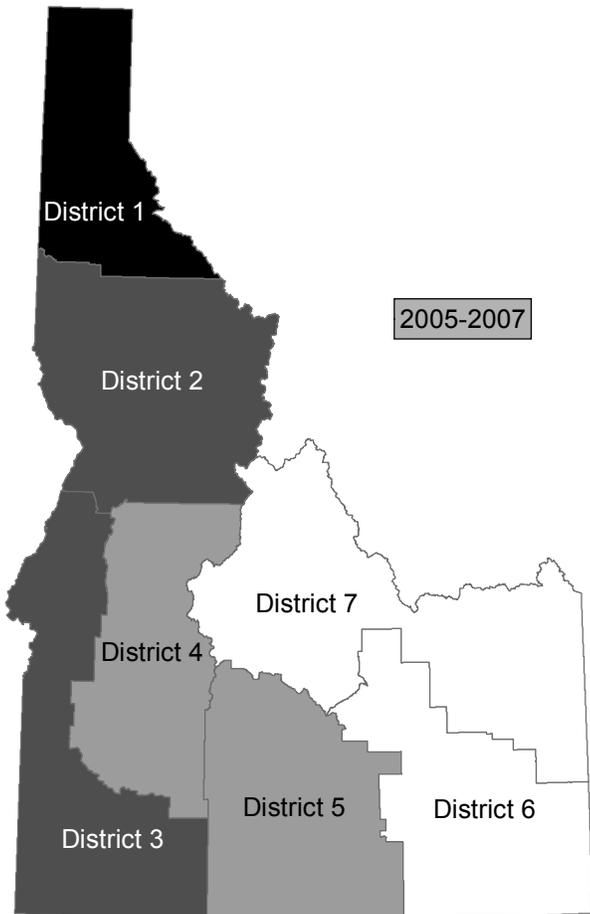
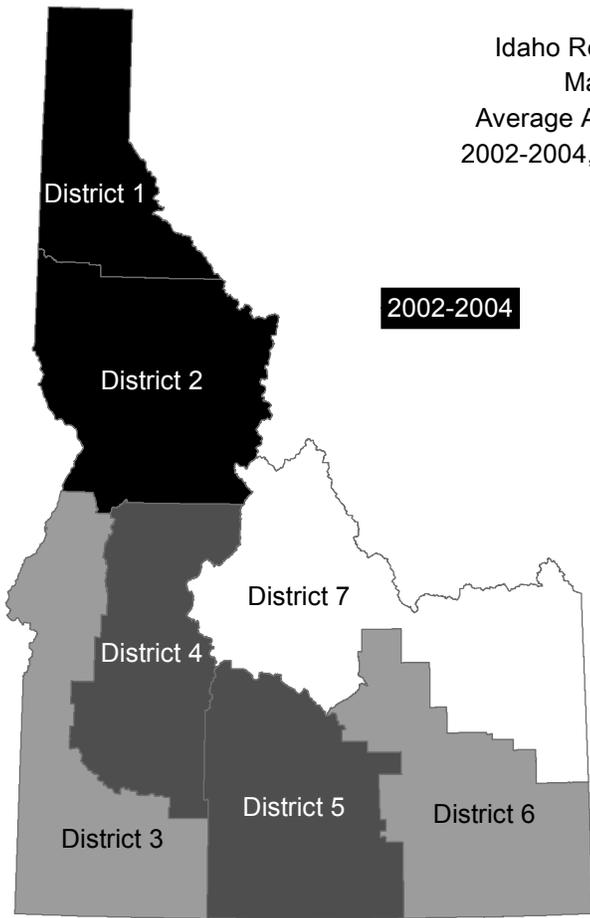
		Idaho	District 1	District 2	District 3	District 4	District 5	District 6	District 7
2002-2004	Deaths	7,541	1,169	676	1,240	1,539	1,031	997	889
	Rate <sup>1</sup>	194.2	191.2	182.1	198.6	175.1	188.0	229.7	218.8
	95% CI <sup>2</sup>	189.8 - 198.5	180.3 - 202.1	168.4 - 195.8	187.6 - 209.6	166.4 - 183.8	176.5 - 199.4	215.6 - 243.8	204.6 - 233.1
2005-2007	Deaths	7,246	1,104	639	1,160	1,641	990	893	819
	Rate <sup>1</sup>	169.2	159.9	161.7	165.4	163.5	169.1	197.4	186.7
	95% CI <sup>2</sup>	165.3 - 173.1	150.5 - 169.3	149.2 - 174.3	155.9 - 175.0	155.6 - 171.4	158.6 - 179.7	184.5 - 210.3	174.0 - 199.5
2008-2010	Deaths	7,199	1,160	699	1,170	1,574	870	892	834
	Rate <sup>1</sup>	155.1	153.9	166.3	155.2	139.6	143.1	184.8	170.9
	95% CI <sup>2</sup>	151.5 - 158.6	145.1 - 162.8	154.0 - 178.7	146.3 - 164.1	132.7 - 146.5	133.5 - 152.6	172.7 - 196.8	159.3 - 182.4

1. Rate: Average annual age-adjusted death rate per 100,000 population. Rates are standardized to the year 2000.

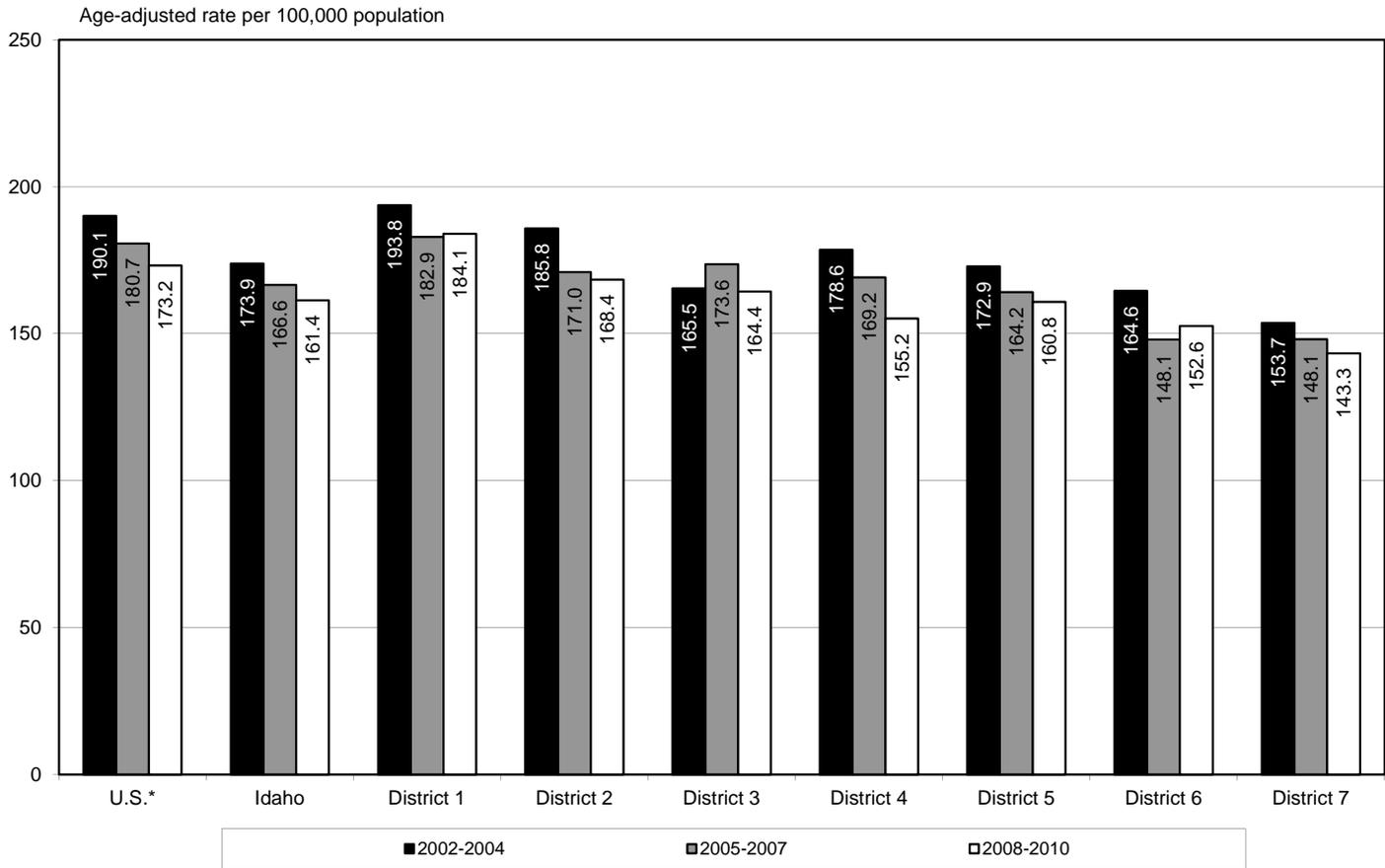
2. 95 percent confidence interval. This interval can be interpreted to mean that there is a 95 percent certainty the true age-adjusted rate falls within the confidence interval.

For additional information regarding ICD-10 codes and/or age-adjustment, see Technical notes at the end of the report.

Idaho Resident Deaths by District  
 Malignant Neoplasms  
 Average Annual Age-Adjusted Rates  
 2002-2004, 2005-2007, and 2008-2010



U.S., Idaho and District Resident Deaths  
Malignant Neoplasms  
Average Annual Age-Adjusted Rates  
2002-2004, 2005-2007, and 2008-2010



\*U.S. age-adjusted rate in 2003, 2006, and 2009.

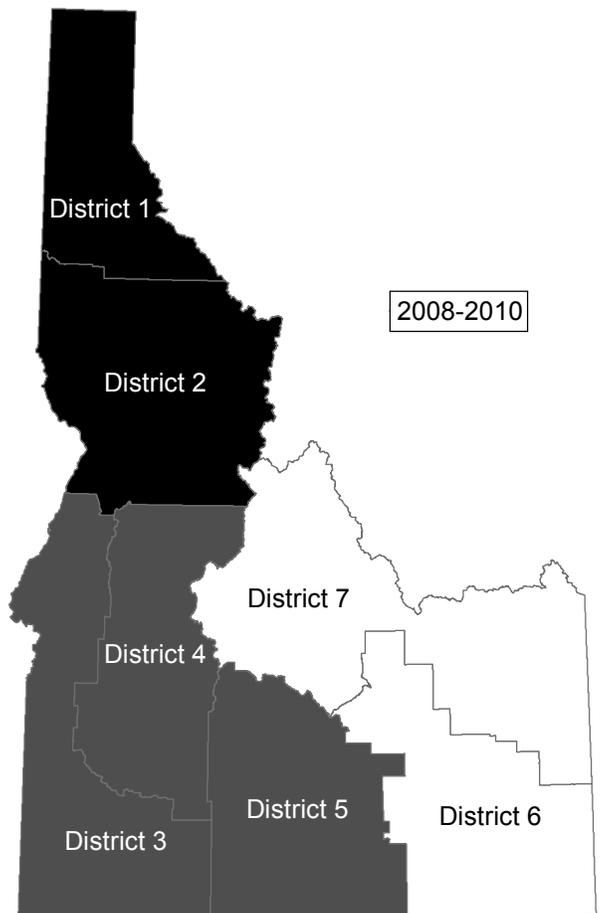
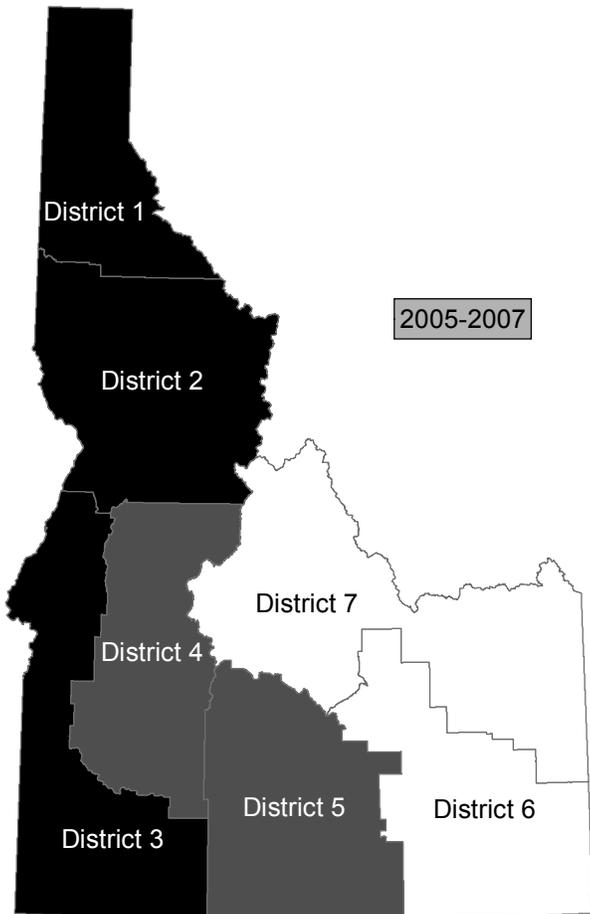
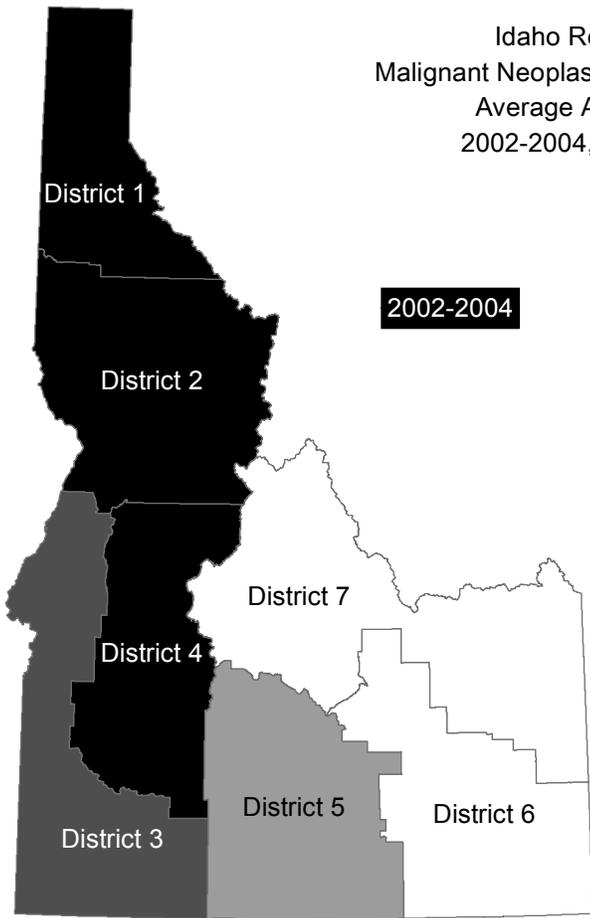
		Idaho	District 1	District 2	District 3	District 4	District 5	District 6	District 7
2002-2004	Deaths	6,687	1,198	654	998	1,590	905	709	633
	Rate <sup>1</sup>	173.9	193.8	185.8	165.5	178.6	172.9	164.6	153.7
	95% CI <sup>2</sup>	169.7 - 178.0	182.8 - 204.7	171.5 - 200.1	155.2 - 175.7	169.7 - 187.4	161.6 - 184.1	152.5 - 176.6	141.7 - 165.6
2005-2007	Deaths	7,039	1,274	640	1,156	1,716	918	666	669
	Rate <sup>1</sup>	166.6	182.9	171.0	173.6	169.2	164.2	148.1	148.1
	95% CI <sup>2</sup>	162.7 - 170.5	172.8 - 193.0	157.7 - 184.4	163.6 - 183.7	161.1 - 177.3	153.6 - 174.9	136.8 - 159.3	136.8 - 159.4
2008-2010	Deaths	7,483	1,418	669	1,210	1,776	949	740	721
	Rate <sup>1</sup>	161.4	184.1	168.4	164.4	155.2	160.8	152.6	143.3
	95% CI <sup>2</sup>	157.7 - 165.0	174.4 - 193.7	155.6 - 181.3	155.1 - 173.7	147.9 - 162.5	150.6 - 171.1	141.5 - 163.6	132.8 - 153.9

1. Rate: Average annual age-adjusted death rate per 100,000 population. Rates are standardized to the year 2000.

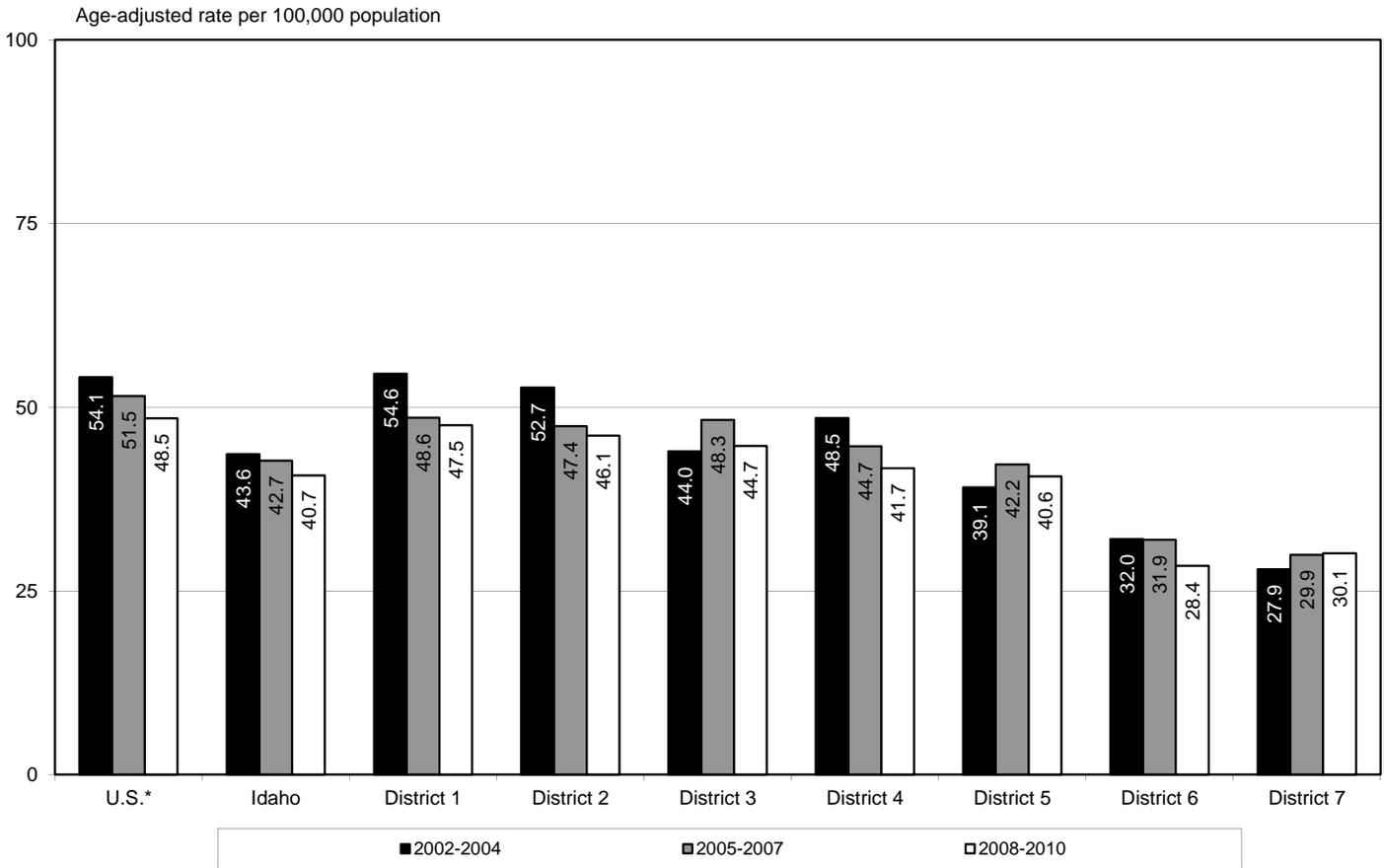
2. 95 percent confidence interval. This interval can be interpreted to mean that there is a 95 percent certainty the true age-adjusted rate falls within the confidence interval.

For additional information regarding ICD-10 codes and/or age-adjustment, see Technical notes at the end of the report.

Idaho Resident Deaths by District  
 Malignant Neoplasms of Trachea, Bronchus and Lung  
 Average Annual Age-Adjusted Rates  
 2002-2004, 2005-2007, and 2008-2010



U.S., Idaho and District Resident Deaths  
Malignant Neoplasms of Trachea, Bronchus and Lung  
Average Annual Age-Adjusted Rates  
2002-2004, 2005-2007, and 2008-2010



\*U.S. age-adjusted rate in 2003, 2006, and 2009.

		Idaho	District 1	District 2	District 3	District 4	District 5	District 6	District 7
2002-2004	Deaths	1,666	338	185	261	424	205	137	116
	Rate <sup>1</sup>	43.6	54.6	52.7	44.0	48.5	39.1	32.0	27.9
	95% CI <sup>2</sup>	41.5 - 45.7	48.7 - 60.4	45.0 - 60.3	38.7 - 49.4	43.9 - 53.2	33.7 - 44.4	26.7 - 37.4	22.8 - 33.0
2005-2007	Deaths	1,791	340	176	316	446	234	145	134
	Rate <sup>1</sup>	42.7	48.6	47.4	48.3	44.7	42.2	31.9	29.9
	95% CI <sup>2</sup>	40.7 - 44.7	43.4 - 53.7	40.4 - 54.5	42.9 - 53.6	40.5 - 48.9	36.8 - 47.6	26.7 - 37.2	24.8 - 35.0
2008-2010	Deaths	1,882	371	186	331	469	237	138	150
	Rate <sup>1</sup>	40.7	47.5	46.1	44.7	41.7	40.6	28.4	30.1
	95% CI <sup>2</sup>	38.9 - 42.6	42.7 - 52.4	39.5 - 52.8	39.9 - 49.6	37.9 - 45.5	35.4 - 45.8	23.6 - 33.2	25.2 - 35.0

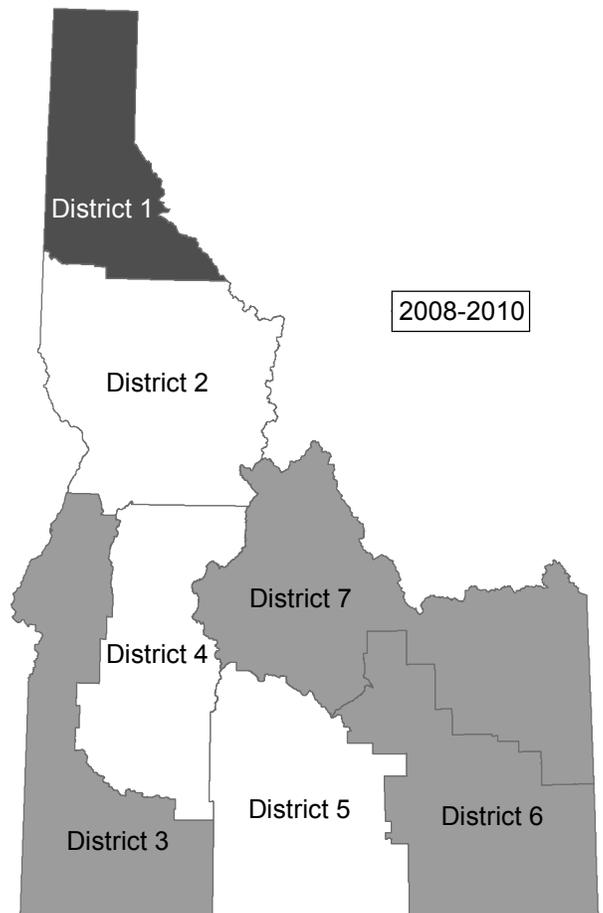
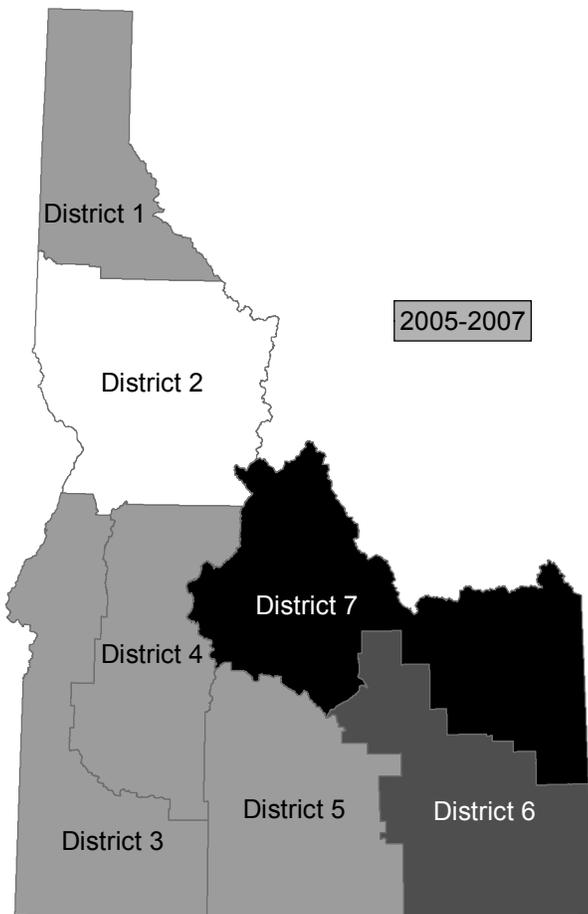
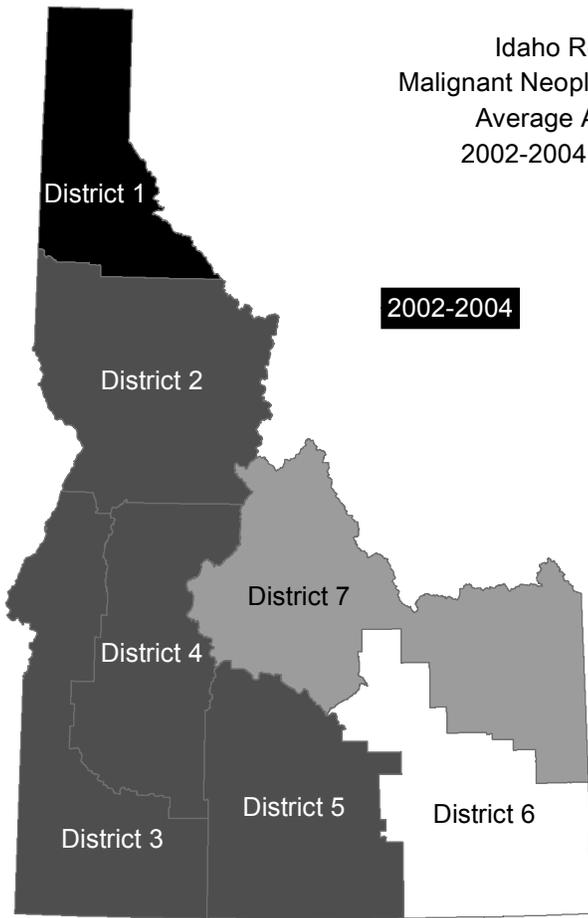
1. Rate: Average annual age-adjusted death rate per 100,000 population. Rates are standardized to the year 2000.

2. 95 percent confidence interval. This interval can be interpreted to mean that there is a 95 percent certainty the true age-adjusted rate falls within the confidence interval.

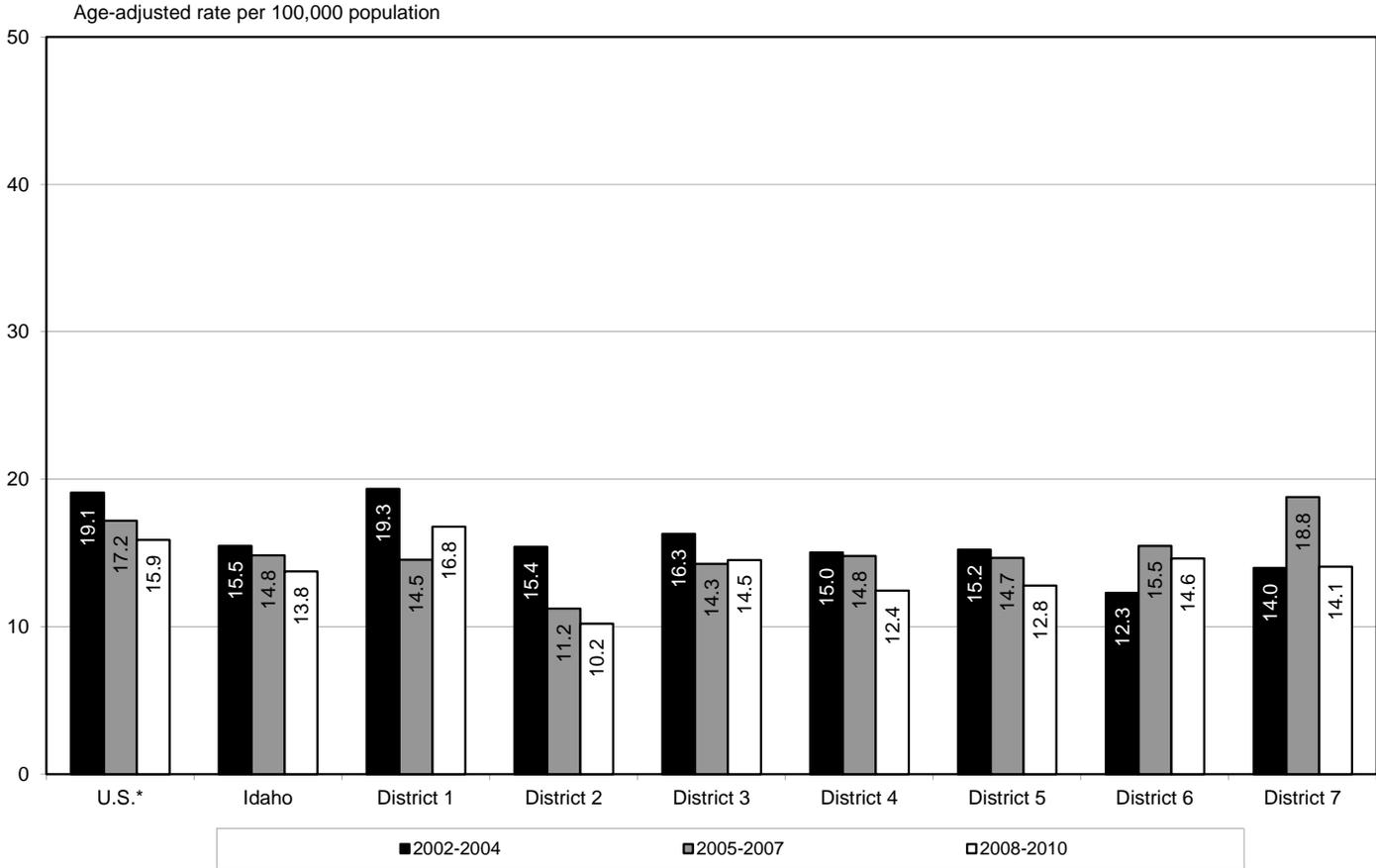
Malignant Neoplasms of trachea, bronchus and lung is a subset of Malignant neoplasms.

For additional information regarding ICD-10 codes and/or age-adjustment, see Technical notes at the end of the report.

Idaho Resident Deaths by District  
 Malignant Neoplasms of Colon, Rectum and Anus  
 Average Annual Age-Adjusted Rates  
 2002-2004, 2005-2007, and 2008-2010



U.S., Idaho and District Resident Deaths  
Malignant Neoplasms of Colon, Rectum and Anus  
Average Annual Age-Adjusted Rates  
2002-2004, 2005-2007, and 2008-2010



\*U.S. age-adjusted rate in 2003, 2006, and 2009.

		Idaho	District 1	District 2	District 3	District 4	District 5	District 6	District 7
2002-2004	Deaths	595	119	54	99	133	80	53	57
	Rate <sup>1</sup>	15.5	19.3	15.4	16.3	15.0	15.2	12.3	14.0
	95% CI <sup>2</sup>	14.2 - 16.7	15.9 - 22.8	11.6 - 20.1	13.2 - 19.8	12.5 - 17.6	12.1 - 19.0	9.2 - 16.1	10.6 - 18.1
2005-2007	Deaths	624	101	42	95	148	85	69	84
	Rate <sup>1</sup>	14.8	14.5	11.2	14.3	14.8	14.7	15.5	18.8
	95% CI <sup>2</sup>	13.7 - 16.0	11.7 - 17.4	8.1 - 15.2	11.5 - 17.4	12.4 - 17.2	11.7 - 18.1	12.0 - 19.6	15.0 - 23.3
2008-2010	Deaths	645	131	41	107	145	78	71	72
	Rate <sup>1</sup>	13.8	16.8	10.2	14.5	12.4	12.8	14.6	14.1
	95% CI <sup>2</sup>	12.7 - 14.8	13.9 - 19.7	7.3 - 13.9	11.7 - 17.3	10.4 - 14.5	10.1 - 16.0	11.4 - 18.4	11.0 - 17.7

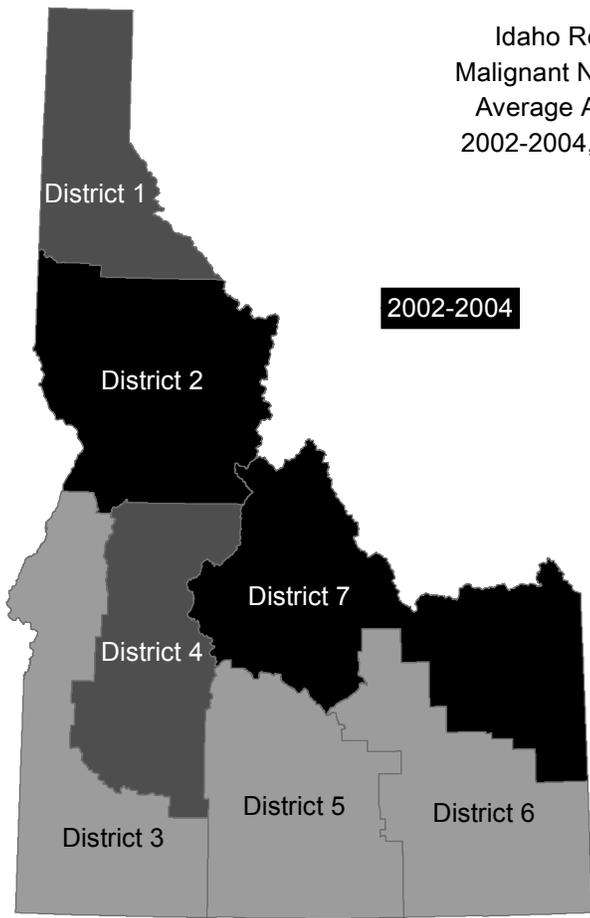
1. Rate: Average annual age-adjusted death rate per 100,000 population. Rates are standardized to the year 2000.

2. 95 percent confidence interval. This interval can be interpreted to mean that there is a 95 percent certainty the true age-adjusted rate falls within the confidence interval.

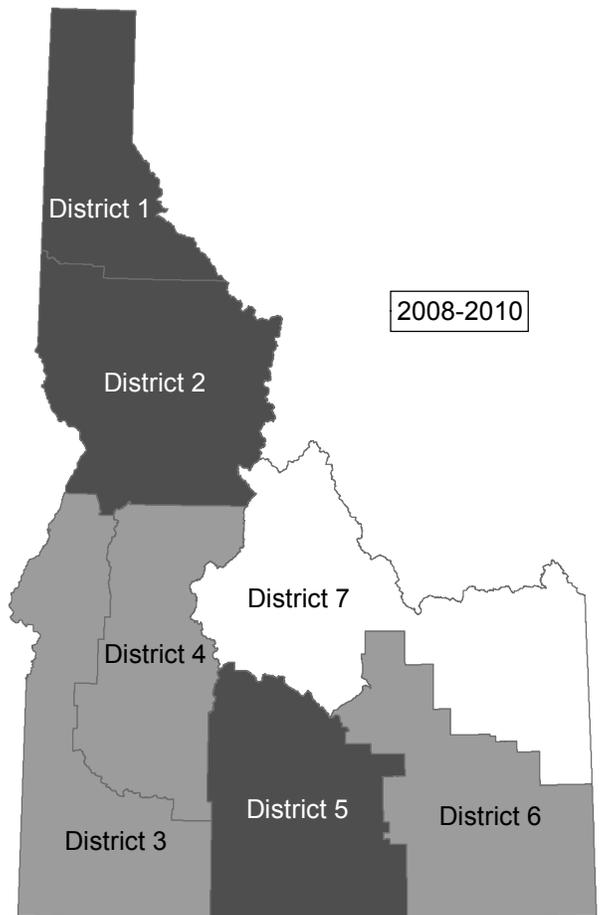
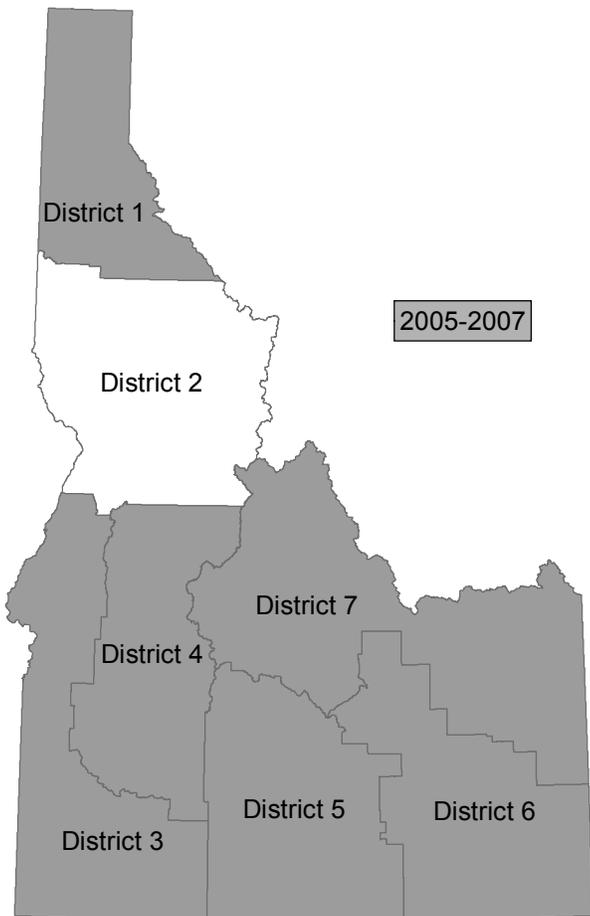
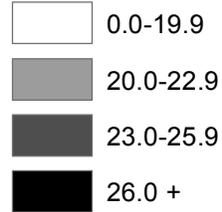
Malignant Neoplasms of colon, rectum and anus is a subset of Malignant neoplasms.

For additional information regarding ICD-10 codes and/or age-adjustment, see Technical notes at the end of the report.

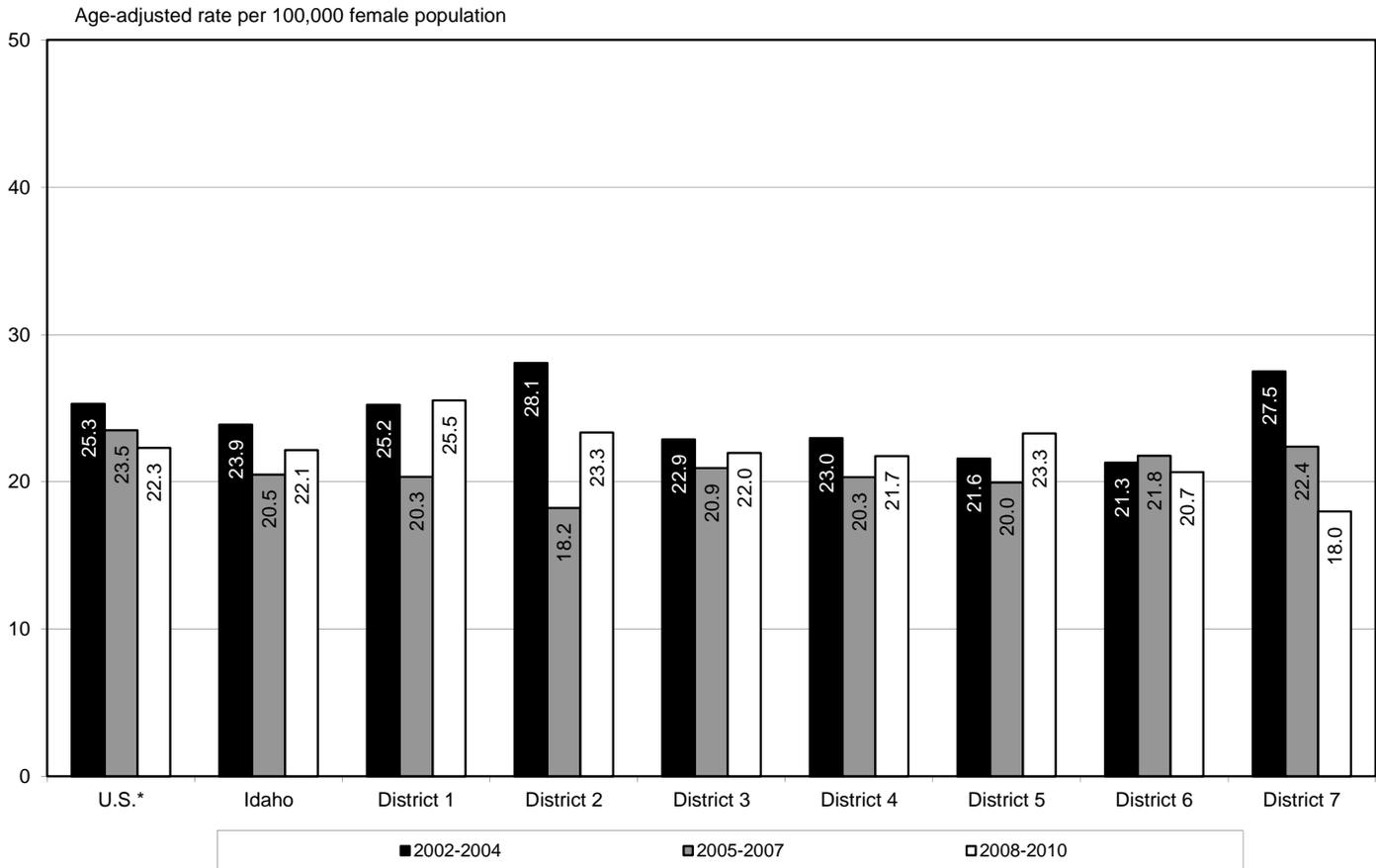
Idaho Resident Deaths by District  
 Malignant Neoplasms of Breast (female)  
 Average Annual Age-Adjusted Rates  
 2002-2004, 2005-2007, and 2008-2010



**Age-Adjusted Rate  
 Per 100,000 Female  
 Population**



U.S., Idaho and District Resident Deaths  
Malignant Neoplasms of Breast (female)  
Average Annual Age-Adjusted Rates  
2002-2004, 2005-2007, and 2008-2010



\*U.S. age-adjusted rate in 2003, 2006, and 2009.

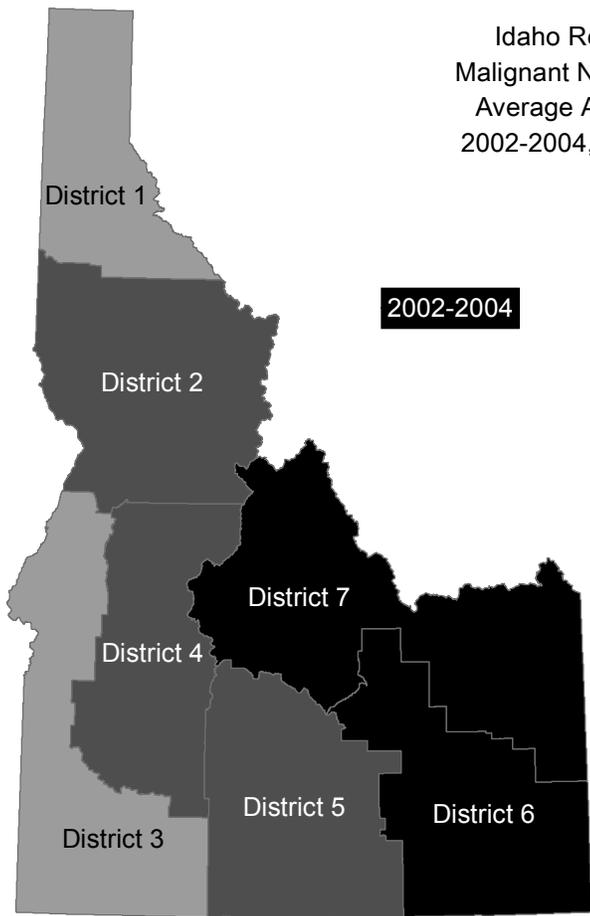
		Idaho	District 1	District 2	District 3	District 4	District 5	District 6	District 7
2002-2004	Deaths	507	84	52	78	119	61	50	63
	Rate <sup>1</sup>	23.9	25.2	28.1	22.9	23.0	21.6	21.3	27.5
	95% CI <sup>2</sup>	21.8 - 26.0	20.1 - 31.2	21.0 - 36.8	18.1 - 28.6	18.8 - 27.1	16.5 - 27.7	15.8 - 28.1	21.1 - 35.2
2005-2007	Deaths	470	74	36	75	116	60	52	57
	Rate <sup>1</sup>	20.5	20.3	18.2	20.9	20.3	20.0	21.8	22.4
	95% CI <sup>2</sup>	18.6 - 22.4	16.0 - 25.5	12.8 - 25.2	16.5 - 26.2	16.6 - 24.1	15.2 - 25.7	16.3 - 28.5	17.0 - 29.0
2008-2010	Deaths	548	104	47	88	139	70	52	48
	Rate <sup>1</sup>	22.1	25.5	23.3	22.0	21.7	23.3	20.7	18.0
	95% CI <sup>2</sup>	20.3 - 24.0	20.5 - 30.5	17.2 - 31.0	17.6 - 27.0	18.1 - 25.4	18.1 - 29.4	15.4 - 27.1	13.3 - 23.8

1. Rate: Average annual age-adjusted death rate per 100,000 female population. Rates are standardized to the year 2000.
2. 95 percent confidence interval. This interval can be interpreted to mean that there is a 95 percent certainty the true age-adjusted rate falls within the confidence interval.

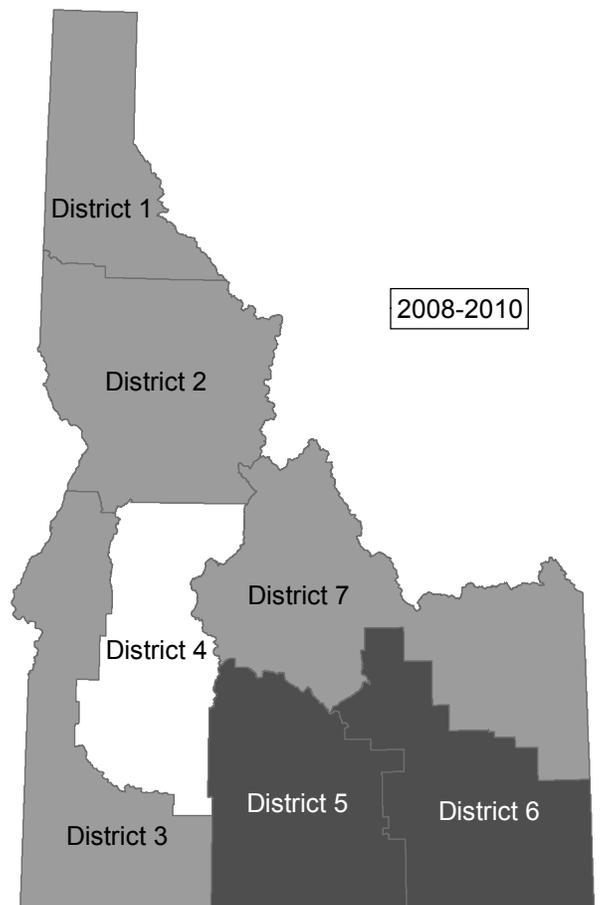
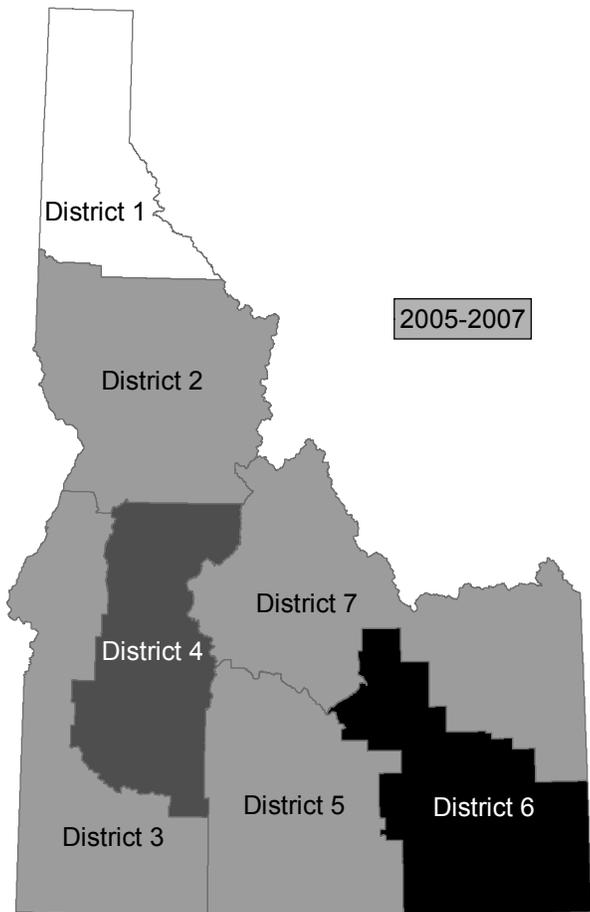
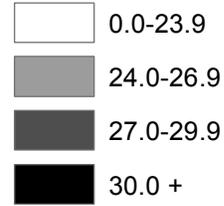
Malignant neoplasms of breast (female) is a subset of Malignant neoplasms.

For additional information regarding ICD-10 codes and/or age-adjustment, see Technical notes at the end of the report.

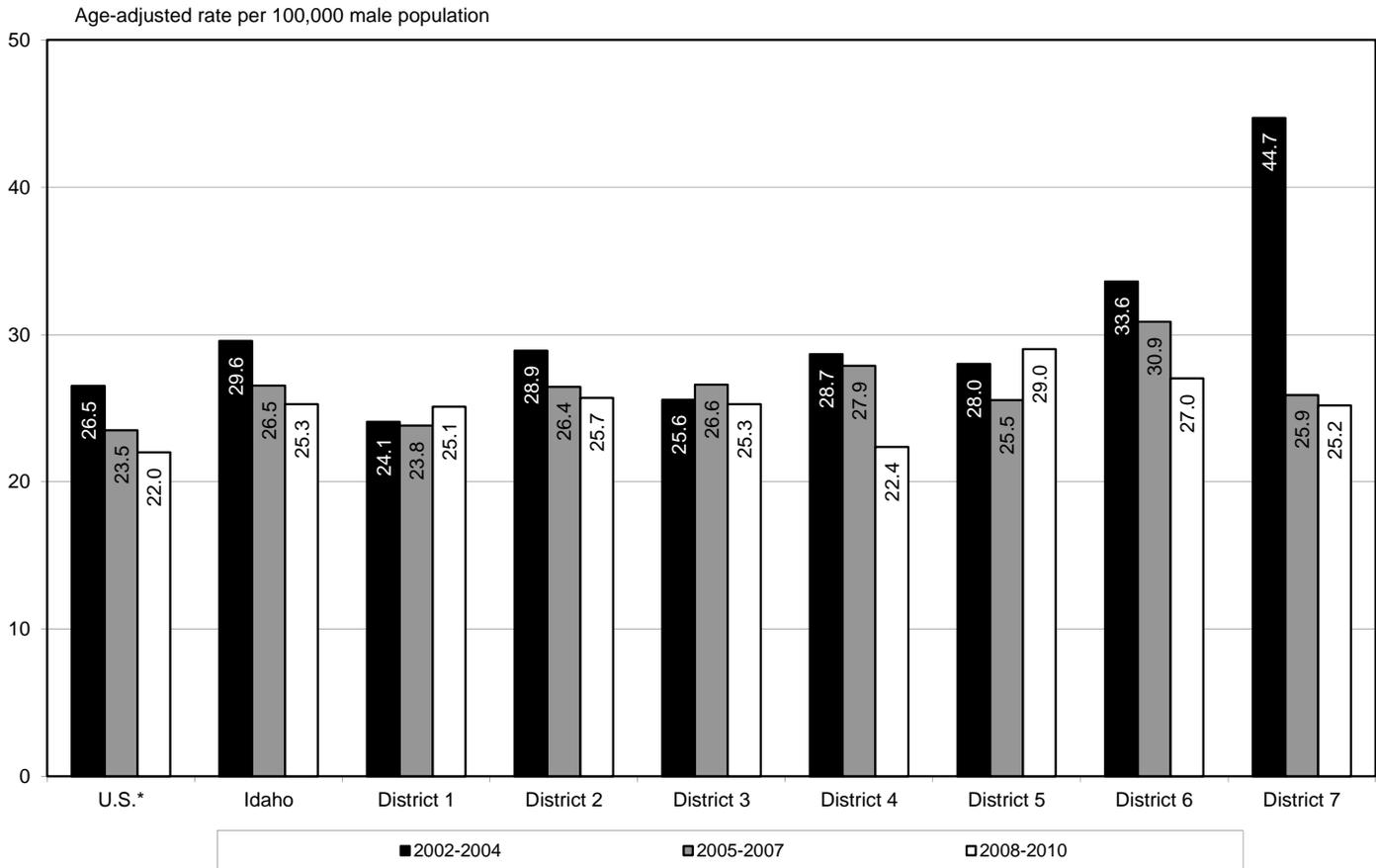
Idaho Resident Deaths by District  
 Malignant Neoplasms of Prostate (male)  
 Average Annual Age-Adjusted Rates  
 2002-2004, 2005-2007, and 2008-2010



**Age-Adjusted Rate  
 Per 100,000 Male  
 Population**



U.S., Idaho and District Resident Deaths  
Malignant Neoplasms of Prostate (male)  
Average Annual Age-Adjusted Rates  
2002-2004, 2005-2007, and 2008-2010



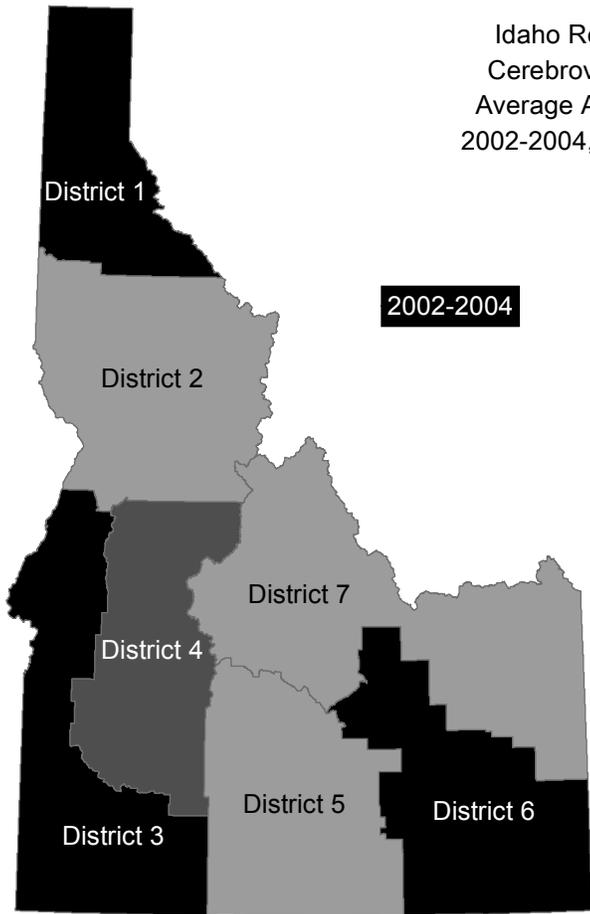
\*U.S. age-adjusted rate in 2003, 2006, and 2009.

		Idaho	District 1	District 2	District 3	District 4	District 5	District 6	District 7
2002-2004	Deaths	456	60	45	64	92	64	58	73
	Rate <sup>1</sup>	29.6	24.1	28.9	25.6	28.7	28.0	33.6	44.7
	95% CI <sup>2</sup>	26.8 - 32.3	18.4 - 31.0	21.1 - 38.7	19.7 - 32.6	23.1 - 35.2	21.6 - 35.8	25.5 - 43.4	35.0 - 56.2
2005-2007	Deaths	462	69	45	77	105	62	57	47
	Rate <sup>1</sup>	26.5	23.8	26.4	26.6	27.9	25.5	30.9	25.9
	95% CI <sup>2</sup>	24.1 - 29.0	18.5 - 30.1	19.3 - 35.4	21.0 - 33.2	22.5 - 33.3	19.6 - 32.7	23.4 - 40.0	19.0 - 34.4
2008-2010	Deaths	481	80	47	76	97	74	55	52
	Rate <sup>1</sup>	25.3	25.1	25.7	25.3	22.4	29.0	27.0	25.2
	95% CI <sup>2</sup>	23.0 - 27.5	19.9 - 31.2	18.9 - 34.2	19.9 - 31.6	18.1 - 27.3	22.8 - 36.4	20.4 - 35.2	18.8 - 33.0

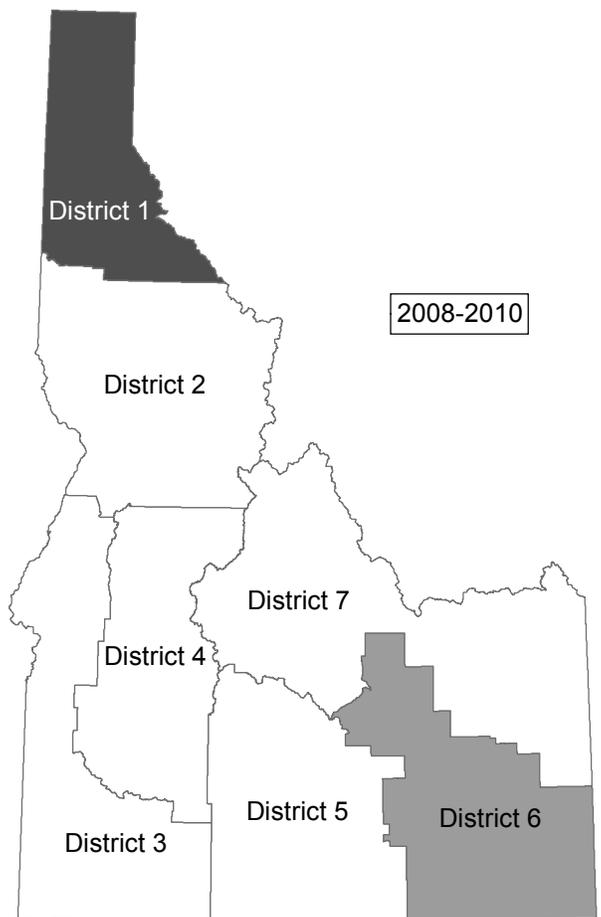
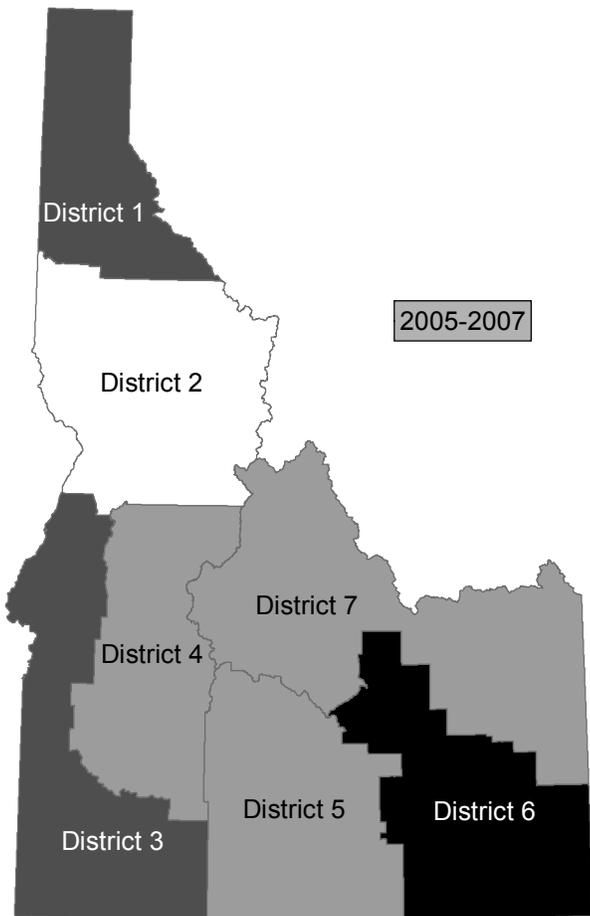
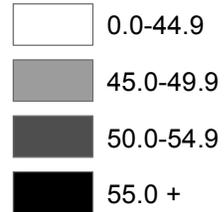
1. Rate: Average annual age-adjusted death rate per 100,000 male population. Rates are standardized to the year 2000.
2. 95 percent confidence interval. This interval can be interpreted to mean that there is a 95 percent certainty the true age-adjusted rate falls within the confidence interval.

Malignant neoplasms of prostate (male) is a subset of Malignant neoplasms.  
For additional information regarding ICD-10 codes and/or age-adjustment, see Technical notes at the end of the report.

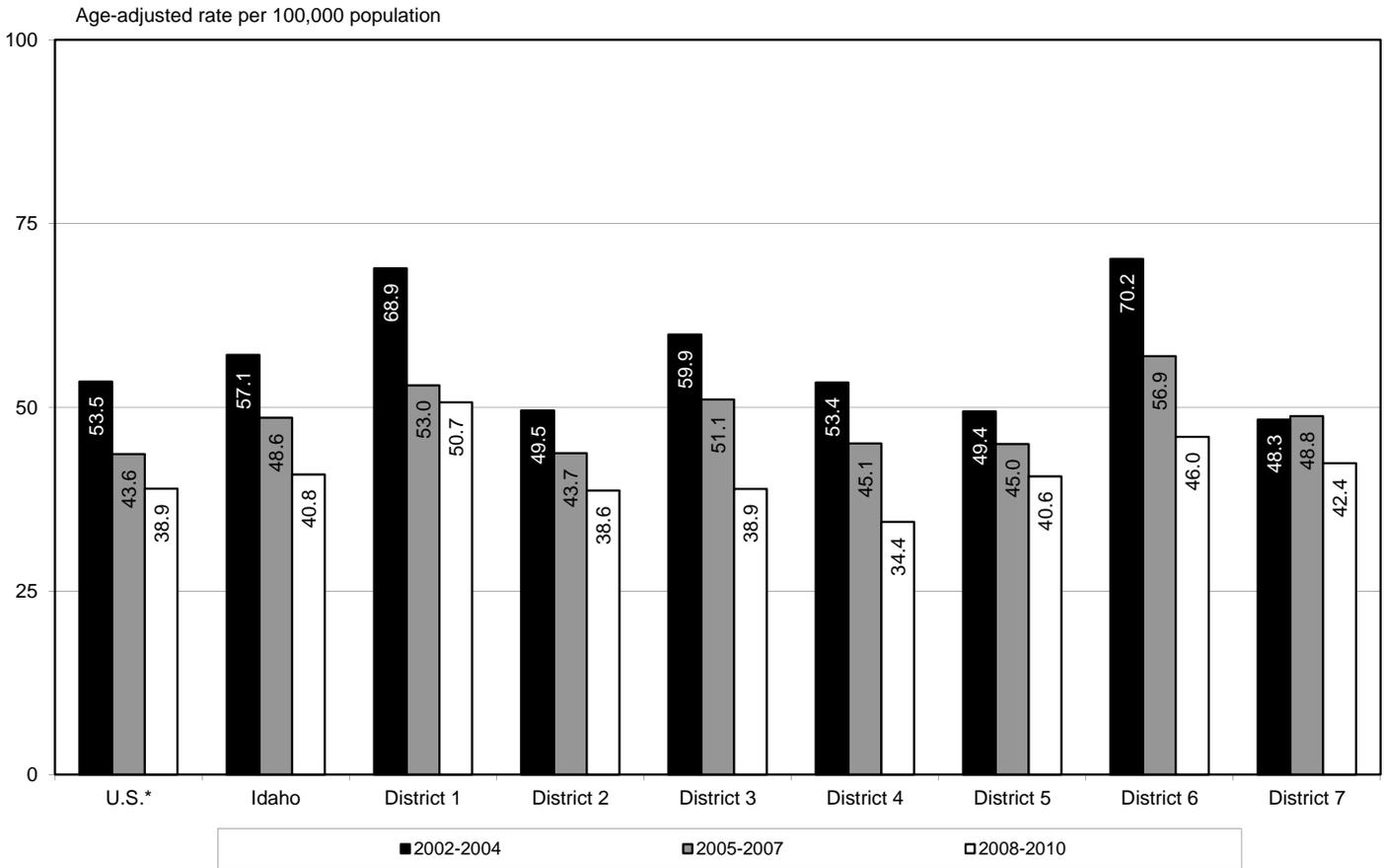
Idaho Resident Deaths by District  
 Cerebrovascular Diseases (stroke)  
 Average Annual Age-Adjusted Rates  
 2002-2004, 2005-2007, and 2008-2010



**Age-Adjusted Rate  
 Per 100,000 Population**



U.S., Idaho and District Resident Deaths  
Cerebrovascular Diseases (stroke)  
Average Annual Age-Adjusted Rates  
2002-2004, 2005-2007, and 2008-2010



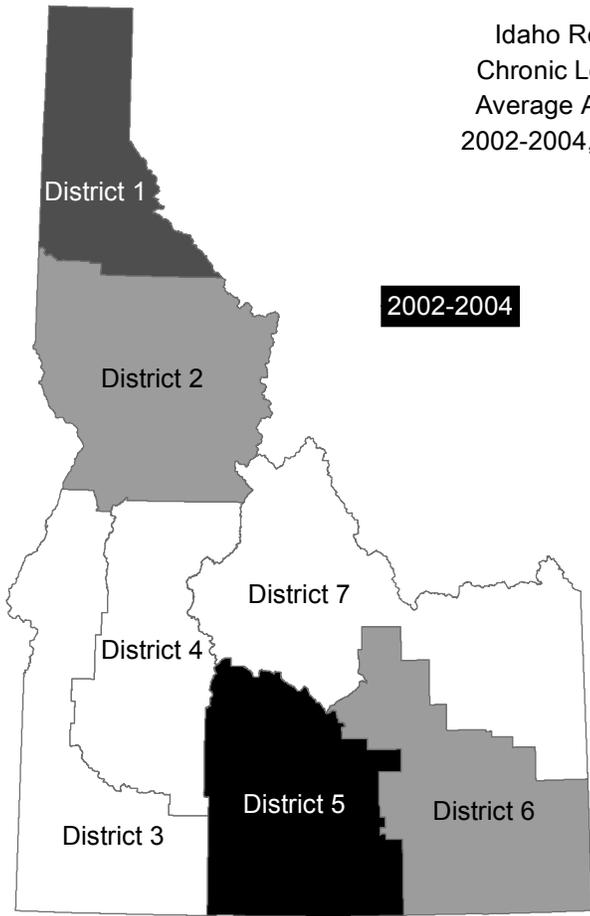
\*U.S. age-adjusted rate in 2003, 2006, and 2009.

		Idaho	District 1	District 2	District 3	District 4	District 5	District 6	District 7
2002-2004	Deaths	2,207	415	188	375	458	275	302	194
	Rate <sup>1</sup>	57.1	68.9	49.5	59.9	53.4	49.4	70.2	48.3
	95% CI <sup>2</sup>	54.7 - 59.5	62.3 - 75.5	42.4 - 56.6	53.8 - 66.0	48.5 - 58.3	43.6 - 55.3	62.3 - 78.1	41.5 - 55.1
2005-2007	Deaths	2,065	362	174	356	442	266	254	211
	Rate <sup>1</sup>	48.6	53.0	43.7	51.1	45.1	45.0	56.9	48.8
	95% CI <sup>2</sup>	46.5 - 50.7	47.5 - 58.4	37.2 - 50.3	45.7 - 56.4	40.8 - 49.3	39.5 - 50.4	49.9 - 63.9	42.2 - 55.4
2008-2010	Deaths	1,864	369	167	289	377	243	219	200
	Rate <sup>1</sup>	40.8	50.7	38.6	38.9	34.4	40.6	46.0	42.4
	95% CI <sup>2</sup>	39.0 - 42.7	45.5 - 55.8	32.8 - 44.5	34.4 - 43.4	30.9 - 37.9	35.4 - 45.7	39.9 - 52.1	36.5 - 48.2

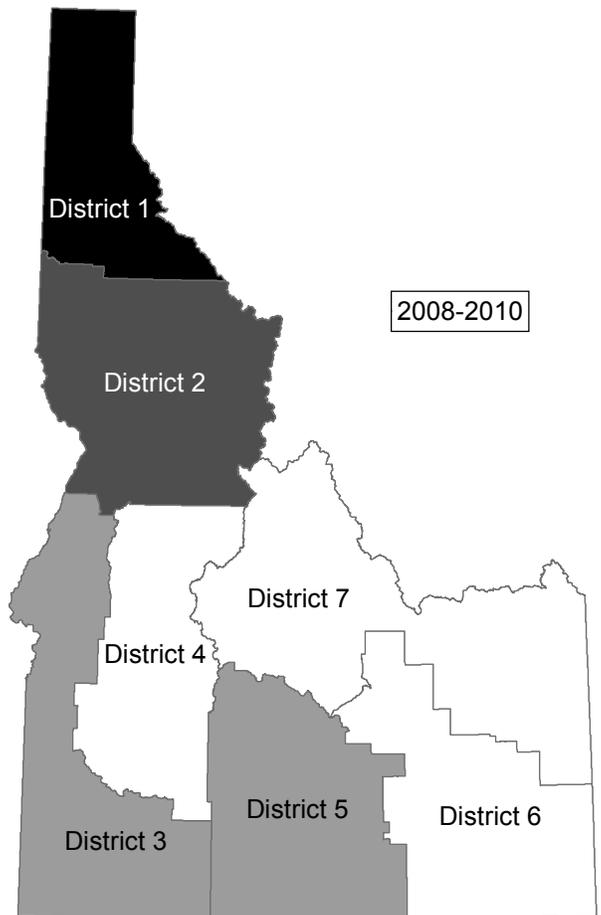
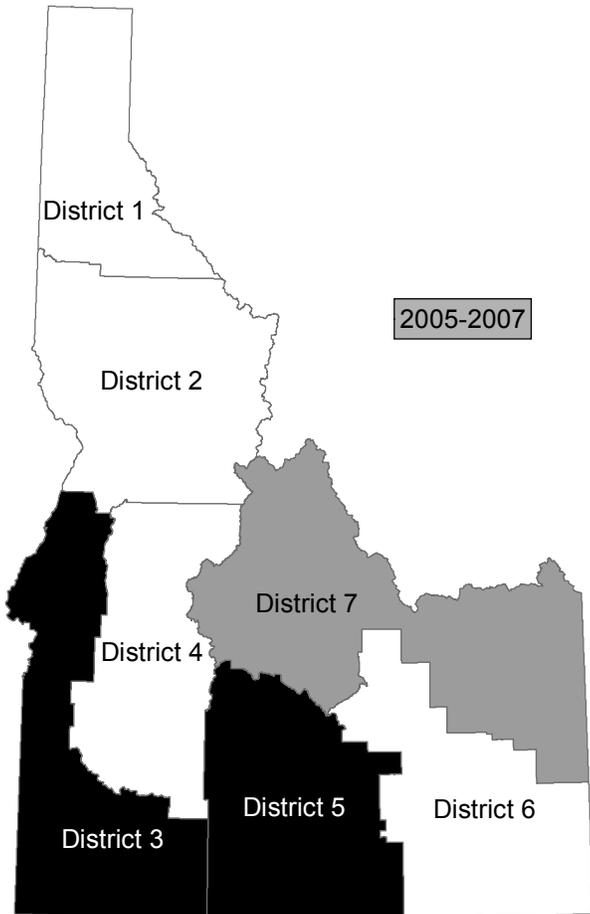
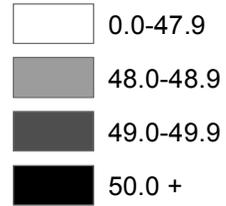
1. Rate: Average annual age-adjusted death rate per 100,000 population. Rates are standardized to the year 2000.
2. 95 percent confidence interval. This interval can be interpreted to mean that there is a 95 percent certainty the true age-adjusted rate falls within the confidence interval.

Differences in the number of deaths across years is due, in part, to ICD-10 coding changes in 2006 and 2008.  
For additional information regarding ICD-10 codes and/or age-adjustment, see Technical notes at the end of the report.

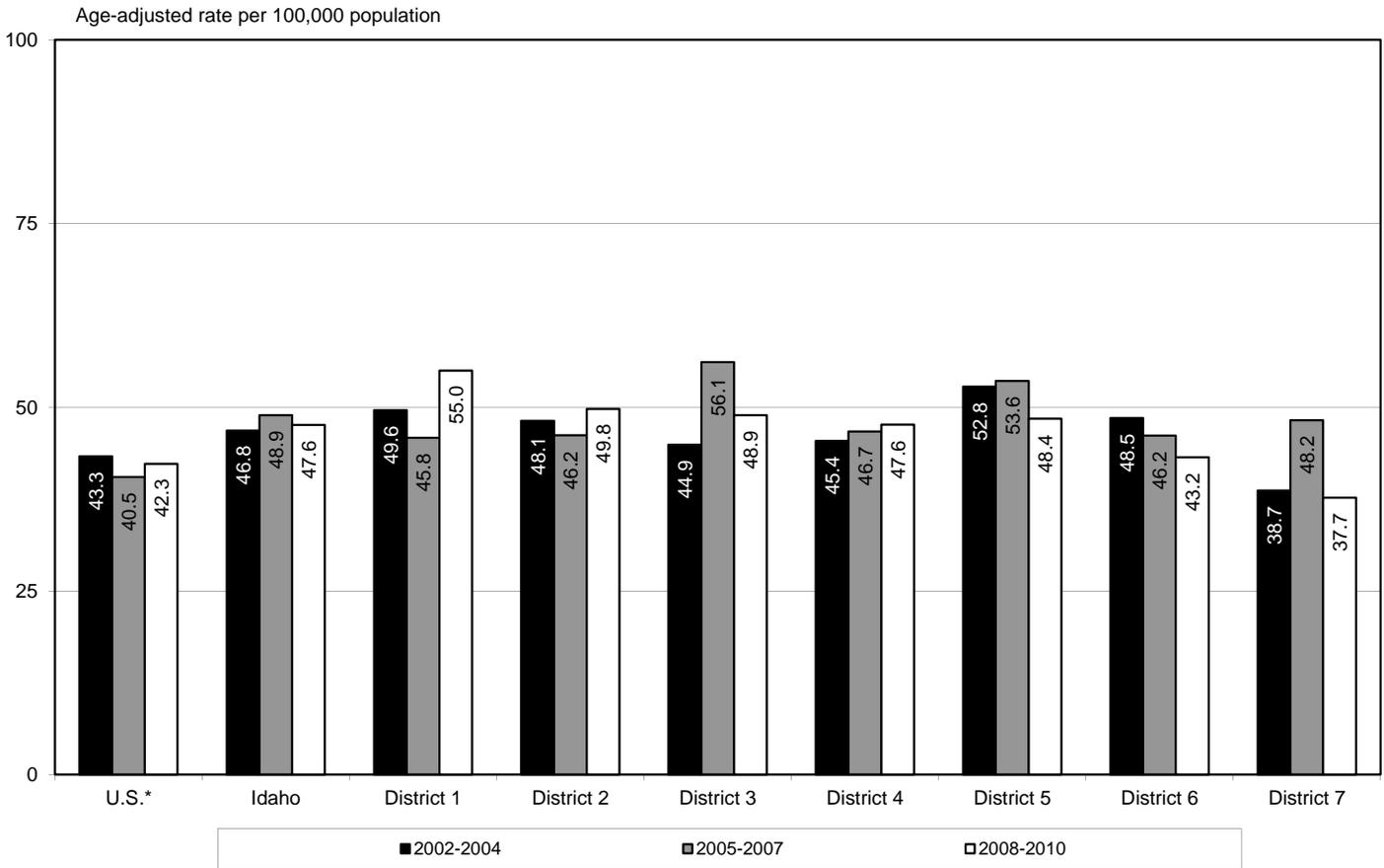
Idaho Resident Deaths by District  
 Chronic Lower Respiratory Diseases  
 Average Annual Age-Adjusted Rates  
 2002-2004, 2005-2007, and 2008-2010



**Age-Adjusted Rate  
 Per 100,000 Population**



U.S., Idaho and District Resident Deaths  
Chronic Lower Respiratory Diseases  
Average Annual Age-Adjusted Rates  
2002-2004, 2005-2007, and 2008-2010



\*U.S. age-adjusted rate in 2003, 2006, and 2009.

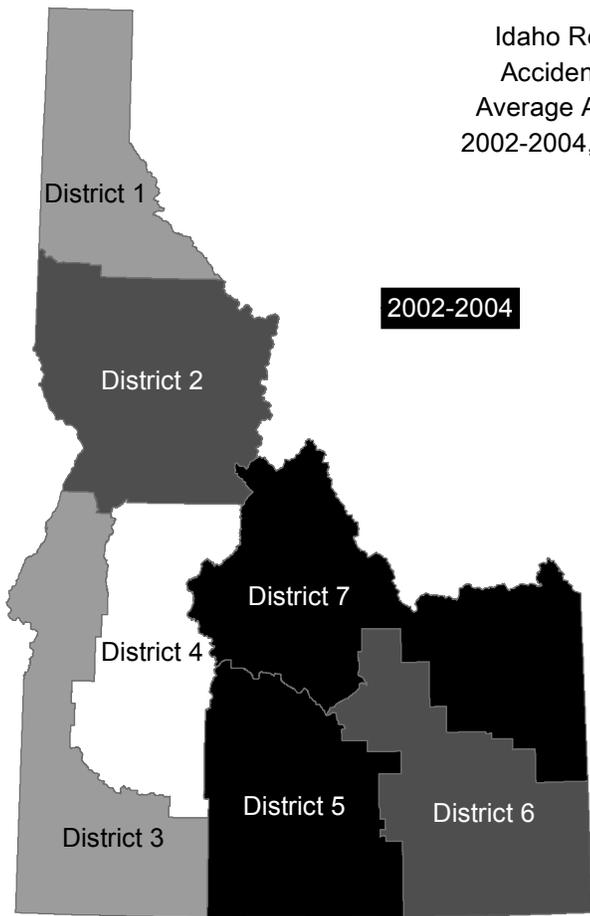
		Idaho	District 1	District 2	District 3	District 4	District 5	District 6	District 7
2002-2004	Deaths	1,774	301	172	275	383	280	206	157
	Rate <sup>1</sup>	46.8	49.6	48.1	44.9	45.4	52.8	48.5	38.7
	95% CI <sup>2</sup>	44.7 - 49.0	44.0 - 55.2	40.9 - 55.4	39.6 - 50.2	40.9 - 50.0	46.6 - 59.0	41.9 - 55.1	32.6 - 44.7
2005-2007	Deaths	2,027	313	173	374	447	302	205	213
	Rate <sup>1</sup>	48.9	45.8	46.2	56.1	46.7	53.6	46.2	48.2
	95% CI <sup>2</sup>	46.8 - 51.1	40.7 - 50.9	39.2 - 53.1	50.4 - 61.9	42.3 - 51.1	47.5 - 59.6	39.8 - 52.5	41.7 - 54.8
2008-2010	Deaths	2,158	414	200	359	511	288	205	181
	Rate <sup>1</sup>	47.6	55.0	49.8	48.9	47.6	48.4	43.2	37.7
	95% CI <sup>2</sup>	45.6 - 49.6	49.7 - 60.3	42.8 - 56.7	43.8 - 54.0	43.5 - 51.8	42.8 - 54.1	37.2 - 49.1	32.1 - 43.2

1. Rate: Average annual age-adjusted death rate per 100,000 population. Rates are standardized to the year 2000.

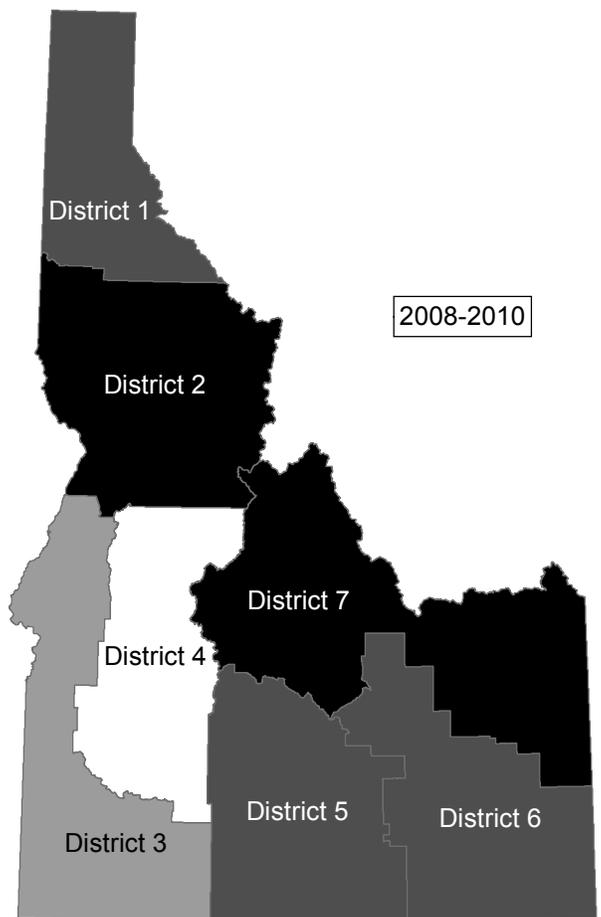
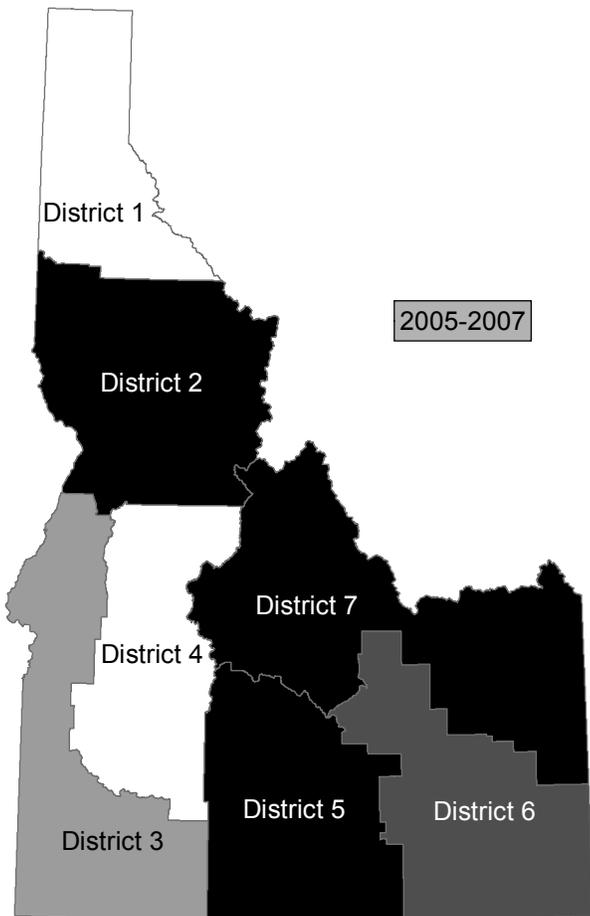
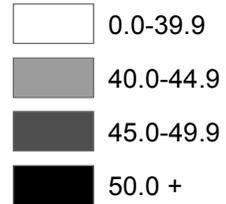
2. 95 percent confidence interval. This interval can be interpreted to mean that there is a 95 percent certainty the true age-adjusted rate falls within the confidence interval.

For additional information regarding ICD-10 codes and/or age-adjustment, see Technical notes at the end of the report.

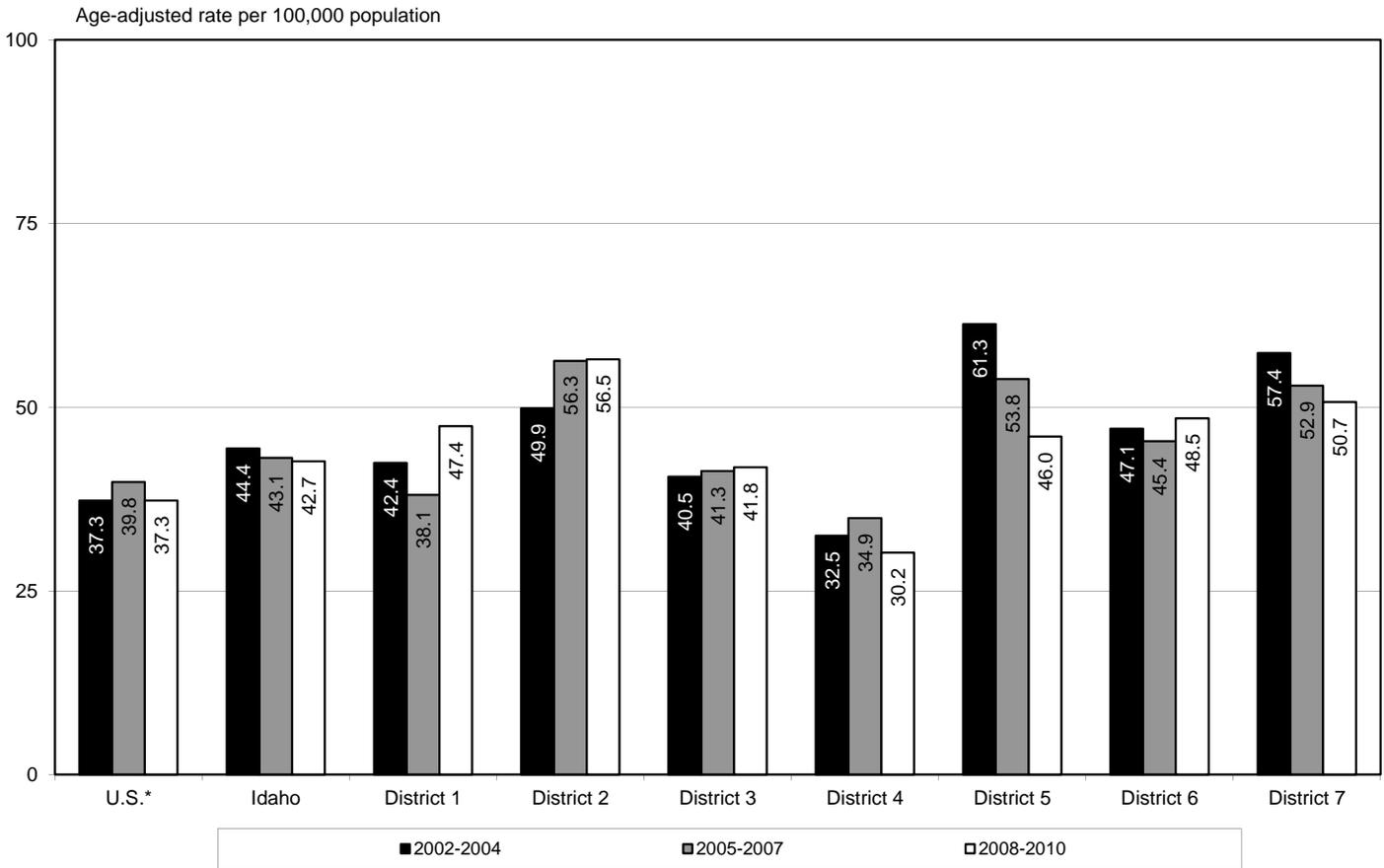
Idaho Resident Deaths by District  
 Accidents (unintentional injuries)  
 Average Annual Age-Adjusted Rates  
 2002-2004, 2005-2007, and 2008-2010



**Age-Adjusted Rate  
 Per 100,000 Population**



U.S., Idaho and District Resident Deaths  
Accidents (unintentional injuries)  
Average Annual Age-Adjusted Rates  
2002-2004, 2005-2007, and 2008-2010



\*U.S. age-adjusted rate in 2003, 2006, and 2009.

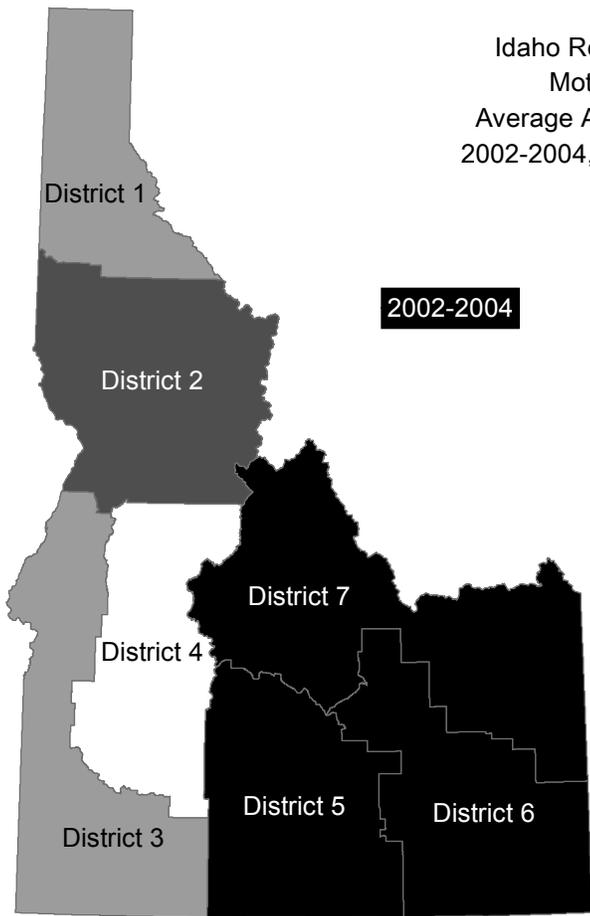
		Idaho	District 1	District 2	District 3	District 4	District 5	District 6	District 7
2002-2004	Deaths	1,787	245	162	255	338	310	215	262
	Rate <sup>1</sup>	44.4	42.4	49.9	40.5	32.5	61.3	47.1	57.4
	95% CI <sup>2</sup>	42.3 - 46.5	37.1 - 47.8	42.0 - 57.7	35.5 - 45.5	29.0 - 36.0	54.4 - 68.2	40.7 - 53.4	50.3 - 64.4
2005-2007	Deaths	1,871	242	180	285	403	288	213	260
	Rate <sup>1</sup>	43.1	38.1	56.3	41.3	34.9	53.8	45.4	52.9
	95% CI <sup>2</sup>	41.1 - 45.0	33.2 - 42.9	47.8 - 64.8	36.5 - 46.2	31.5 - 38.4	47.5 - 60.1	39.2 - 51.5	46.4 - 59.5
2008-2010	Deaths	1,957	317	197	303	376	253	234	277
	Rate <sup>1</sup>	42.7	47.4	56.5	41.8	30.2	46.0	48.5	50.7
	95% CI <sup>2</sup>	40.7 - 44.6	42.1 - 52.7	48.3 - 64.7	37.1 - 46.6	27.1 - 33.3	40.2 - 51.7	42.2 - 54.8	44.6 - 56.8

1. Rate: Average annual age-adjusted death rate per 100,000 population. Rates are standardized to the year 2000.

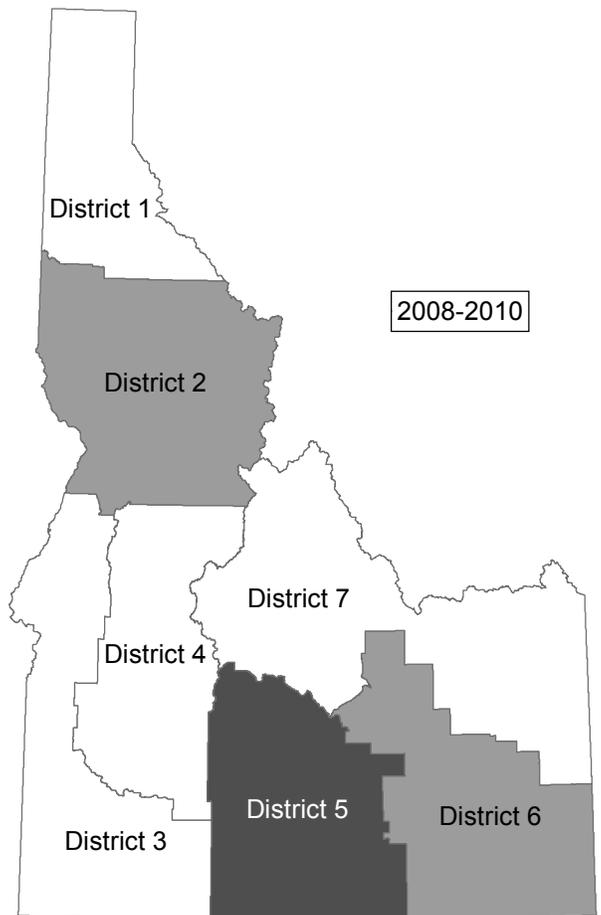
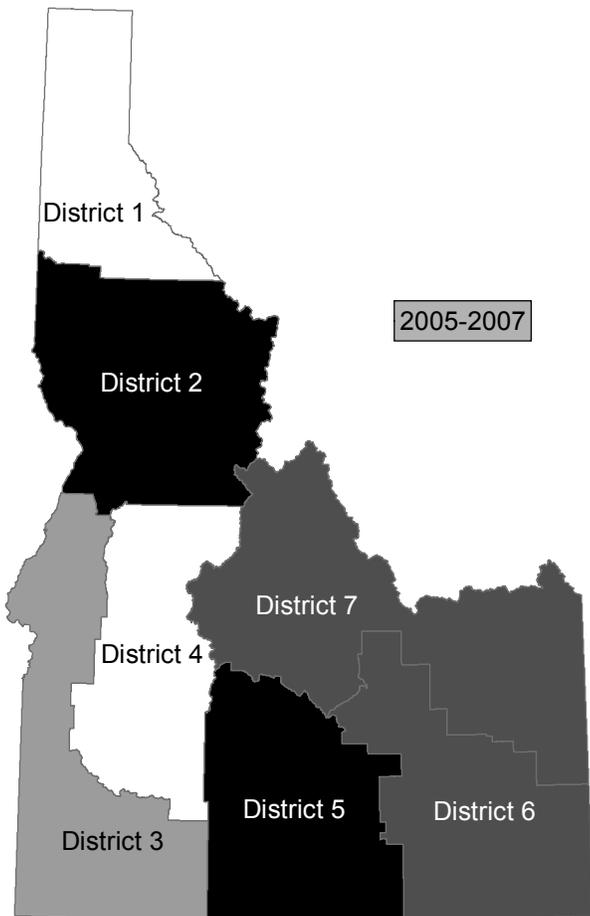
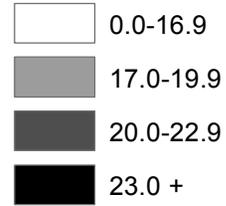
2. 95 percent confidence interval. This interval can be interpreted to mean that there is a 95 percent certainty the true age-adjusted rate falls within the confidence interval.

For additional information regarding ICD-10 codes and/or age-adjustment, see Technical notes at the end of the report.

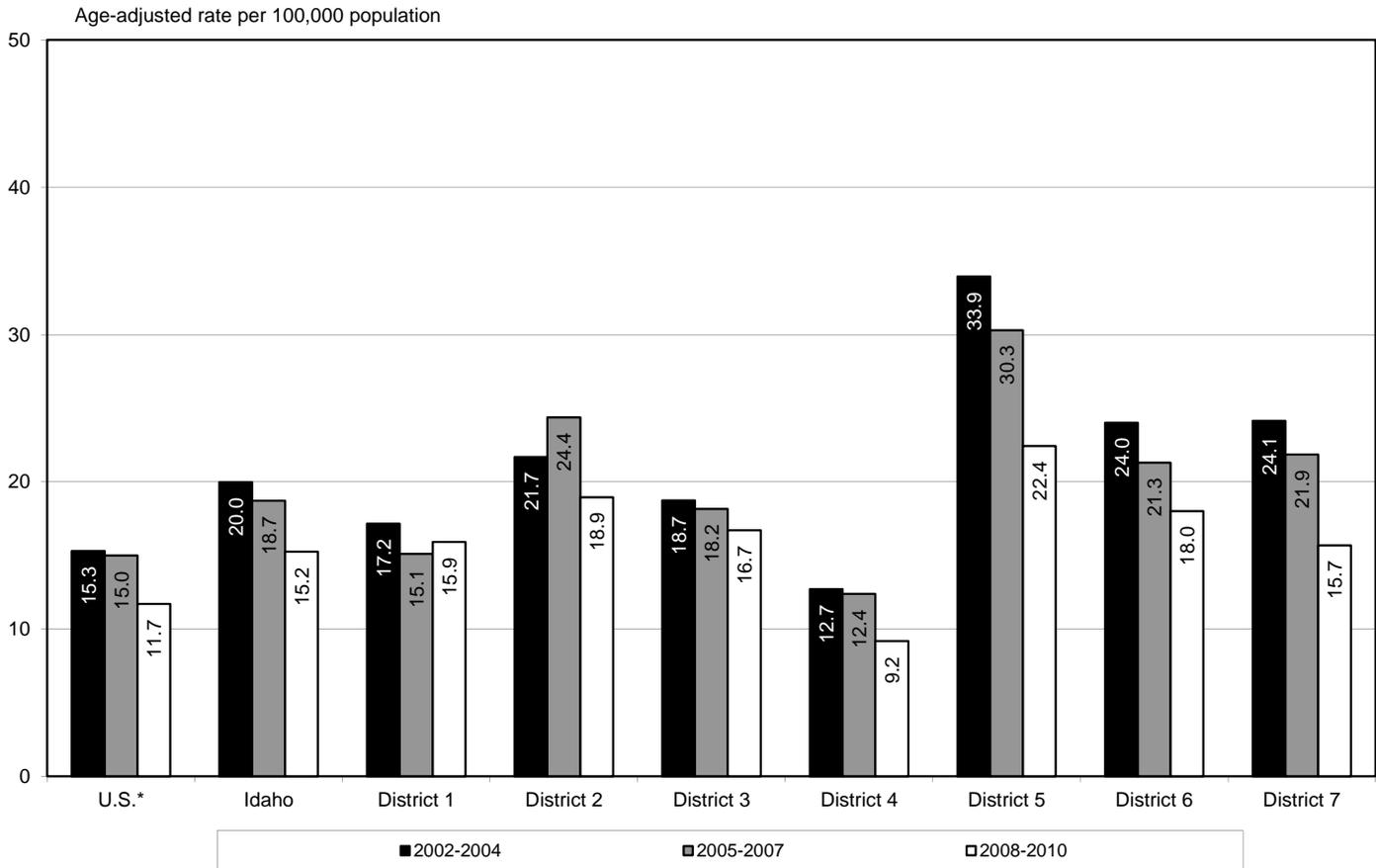
Idaho Resident Deaths by District  
 Motor Vehicle Accidents  
 Average Annual Age-Adjusted Rates  
 2002-2004, 2005-2007, and 2008-2010



**Age-Adjusted Rate  
 Per 100,000 Population**



U.S., Idaho and District Resident Deaths  
Motor Vehicle Accidents  
Average Annual Age-Adjusted Rates  
2002-2004, 2005-2007, and 2008-2010



\*U.S. age-adjusted rate in 2003, 2006, and 2009.

		Idaho	District 1	District 2	District 3	District 4	District 5	District 6	District 7
2002-2004	Deaths	815	97	69	118	137	169	111	114
	Rate <sup>1</sup>	20.0	17.2	21.7	18.7	12.7	33.9	24.0	24.1
	95% CI <sup>2</sup>	18.6 - 21.3	13.9 - 20.9	16.9 - 27.4	15.3 - 22.1	10.5 - 14.8	28.8 - 39.1	19.5 - 28.5	19.6 - 28.7
2005-2007	Deaths	818	92	76	126	149	158	102	115
	Rate <sup>1</sup>	18.7	15.1	24.4	18.2	12.4	30.3	21.3	21.9
	95% CI <sup>2</sup>	17.4 - 20.0	12.2 - 18.5	19.2 - 30.5	15.0 - 21.4	10.4 - 14.4	25.5 - 35.1	17.1 - 25.5	17.8 - 25.9
2008-2010	Deaths	696	100	63	118	117	117	88	93
	Rate <sup>1</sup>	15.2	15.9	18.9	16.7	9.2	22.4	18.0	15.7
	95% CI <sup>2</sup>	14.1 - 16.4	12.7 - 19.1	14.6 - 24.2	13.7 - 19.7	7.5 - 10.9	18.3 - 26.5	14.4 - 22.2	12.7 - 19.2

1. Rate: Average annual age-adjusted death rate per 100,000 population. Rates are standardized to the year 2000.

2. 95 percent confidence interval. This interval can be interpreted to mean that there is a 95 percent certainty the true age-adjusted rate falls within the confidence interval.

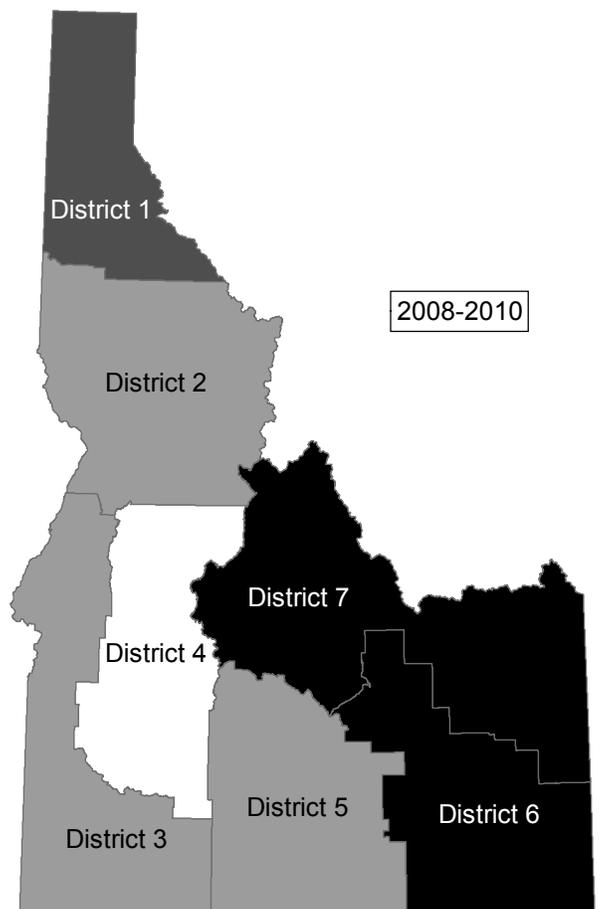
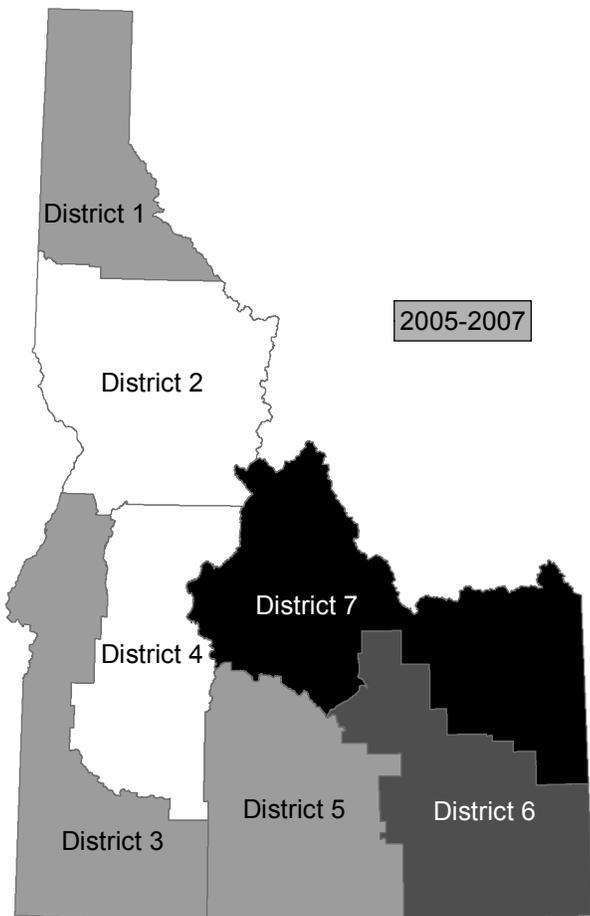
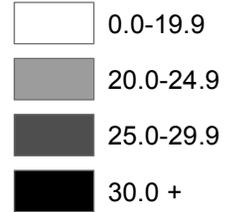
Motor vehicle accidents is a subset of Accidents (unintentional injury).

For additional information regarding ICD-10 codes and/or age-adjustment, see Technical notes at the end of the report.

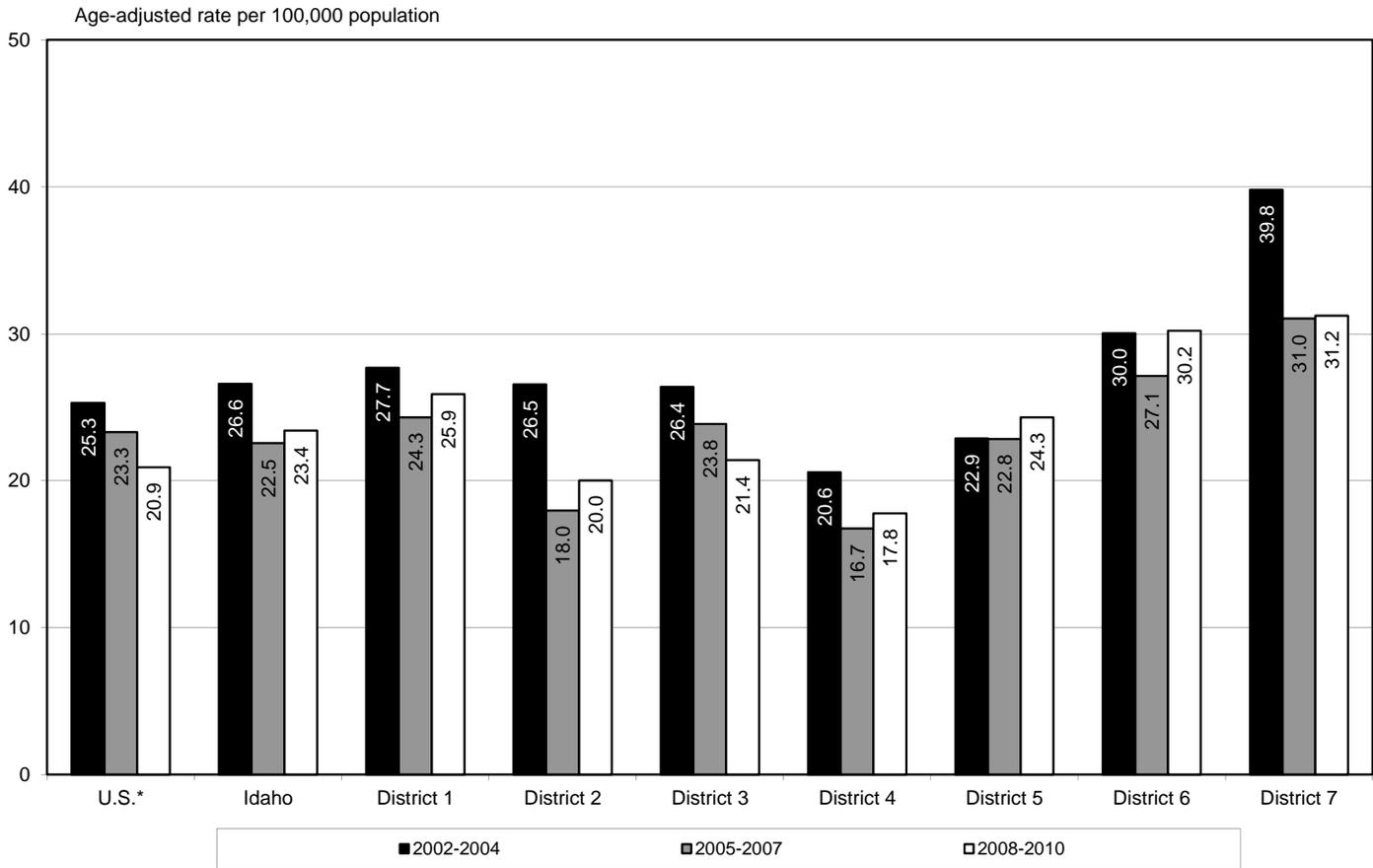
Idaho Resident Deaths by District  
 Diabetes Mellitus  
 Average Annual Age-Adjusted Rates  
 2002-2004, 2005-2007, and 2008-2010



**Age-Adjusted Rate  
 Per 100,000 Population**



U.S., Idaho and District Resident Deaths  
Diabetes Mellitus  
Average Annual Age-Adjusted Rates  
2002-2004, 2005-2007, and 2008-2010



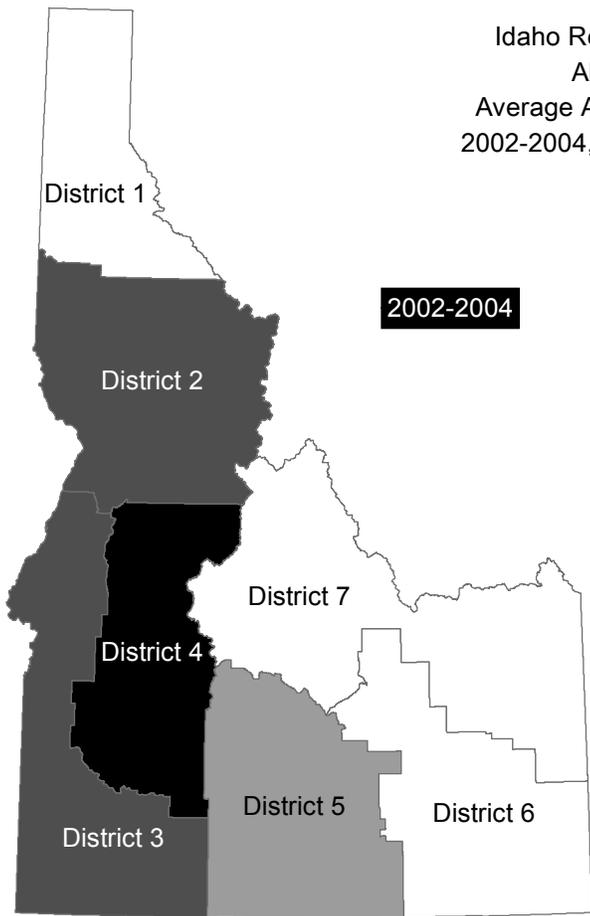
\*U.S. age-adjusted rate in 2003, 2006, and 2009.

		Idaho	District 1	District 2	District 3	District 4	District 5	District 6	District 7
2002-2004	Deaths	1,020	168	94	160	186	120	130	162
	Rate <sup>1</sup>	26.6	27.7	26.5	26.4	20.6	22.9	30.0	39.8
	95% CI <sup>2</sup>	25.0 - 28.2	23.5 - 31.9	21.4 - 32.5	22.3 - 30.5	17.6 - 23.6	18.8 - 27.0	24.9 - 35.2	33.7 - 45.9
2005-2007	Deaths	947	167	67	163	166	128	120	136
	Rate <sup>1</sup>	22.5	24.3	18.0	23.8	16.7	22.8	27.1	31.0
	95% CI <sup>2</sup>	21.1 - 24.0	20.6 - 28.0	13.9 - 22.8	20.2 - 27.5	14.2 - 19.3	18.8 - 26.8	22.2 - 32.0	25.8 - 36.3
2008-2010	Deaths	1,079	194	81	159	205	143	144	153
	Rate <sup>1</sup>	23.4	25.9	20.0	21.4	17.8	24.3	30.2	31.2
	95% CI <sup>2</sup>	22.0 - 24.8	22.2 - 29.6	15.9 - 24.9	18.0 - 24.8	15.3 - 20.2	20.3 - 28.3	25.2 - 35.2	26.2 - 36.2

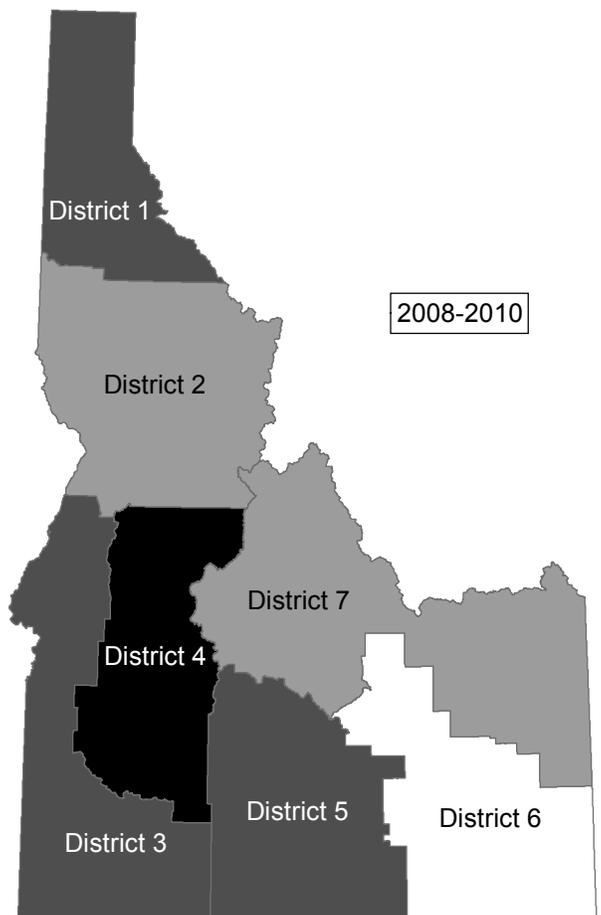
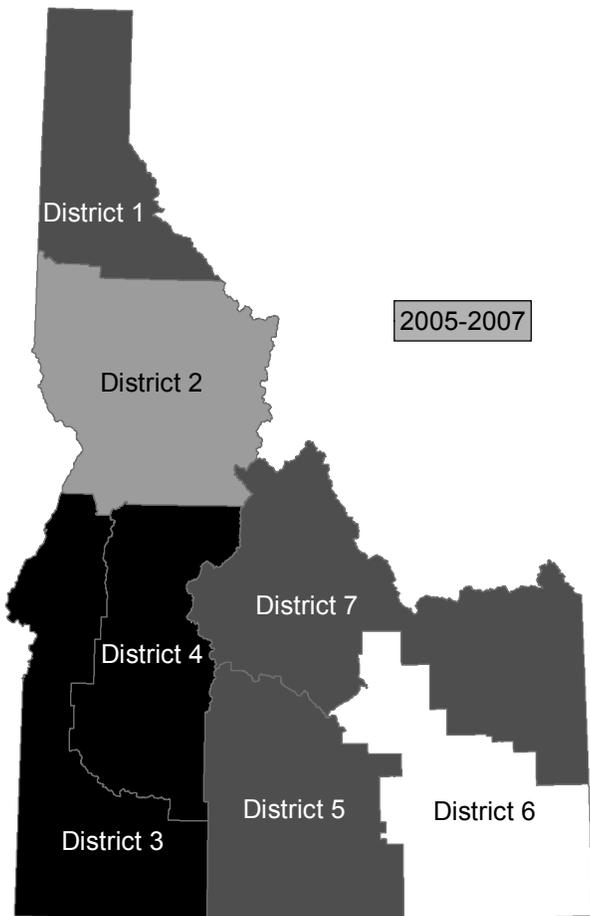
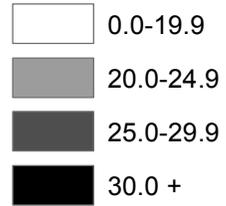
1. Rate: Average annual age-adjusted death rate per 100,000 population. Rates are standardized to the year 2000.
2. 95 percent confidence interval. This interval can be interpreted to mean that there is a 95 percent certainty the true age-adjusted rate falls within the confidence interval.

For additional information regarding ICD-10 codes and/or age-adjustment, see Technical notes at the end of the report.

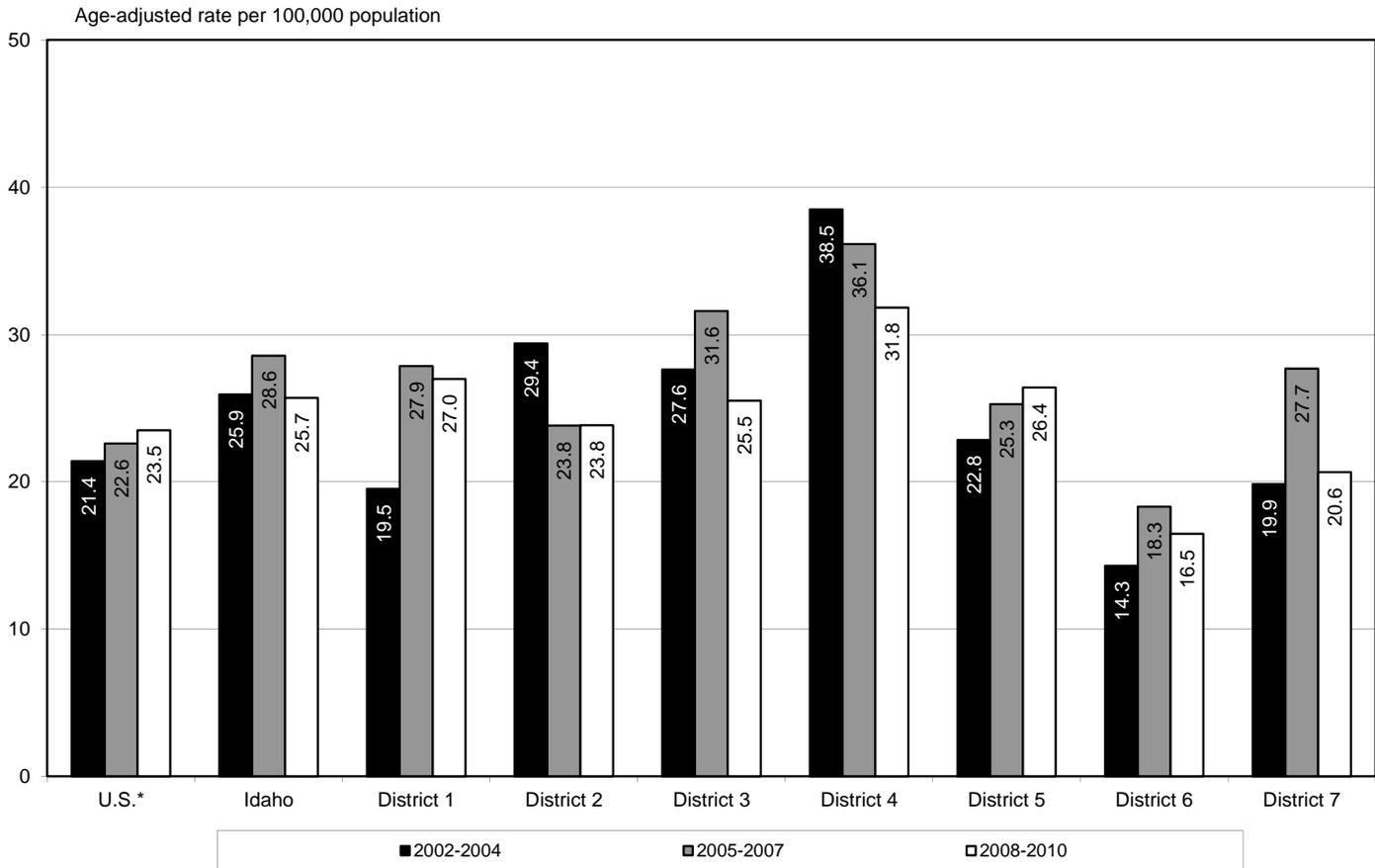
Idaho Resident Deaths by District  
 Alzheimer's Disease  
 Average Annual Age-Adjusted Rates  
 2002-2004, 2005-2007, and 2008-2010



**Age-Adjusted Rate  
 Per 100,000 Population**



U.S., Idaho and District Resident Deaths  
Alzheimer's Disease  
Average Annual Age-Adjusted Rates  
2002-2004, 2005-2007, and 2008-2010



\*U.S. age-adjusted rate in 2003, 2006, and 2009.

		Idaho	District 1	District 2	District 3	District 4	District 5	District 6	District 7
2002-2004	Deaths	1,011	117	116	179	329	130	62	78
	Rate <sup>1</sup>	25.9	19.5	29.4	27.6	38.5	22.8	14.3	19.9
	95% CI <sup>2</sup>	24.3 - 27.5	16.0 - 23.1	24.0 - 34.7	23.6 - 31.7	34.3 - 42.6	18.9 - 26.8	10.9 - 18.3	15.7 - 24.8
2005-2007	Deaths	1,224	189	98	233	352	154	81	117
	Rate <sup>1</sup>	28.6	27.9	23.8	31.6	36.1	25.3	18.3	27.7
	95% CI <sup>2</sup>	27.0 - 30.2	23.9 - 31.8	19.3 - 29.0	27.5 - 35.7	32.4 - 39.9	21.2 - 29.3	14.5 - 22.7	22.7 - 32.7
2008-2010	Deaths	1,172	197	103	192	342	164	78	96
	Rate <sup>1</sup>	25.7	27.0	23.8	25.5	31.8	26.4	16.5	20.6
	95% CI <sup>2</sup>	24.2 - 27.2	23.2 - 30.7	19.2 - 28.5	21.9 - 29.1	28.4 - 35.2	22.3 - 30.5	13.0 - 20.5	16.7 - 25.2

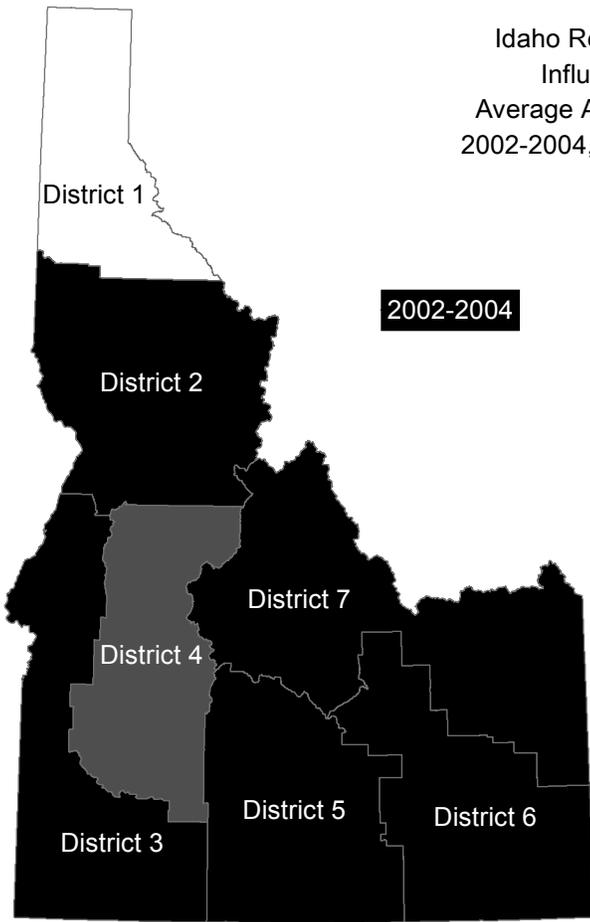
1. Rate: Average annual age-adjusted death rate per 100,000 population. Rates are standardized to the year 2000.

2. 95 percent confidence interval. This interval can be interpreted to mean that there is a 95 percent certainty the true age-adjusted rate falls within the confidence interval.

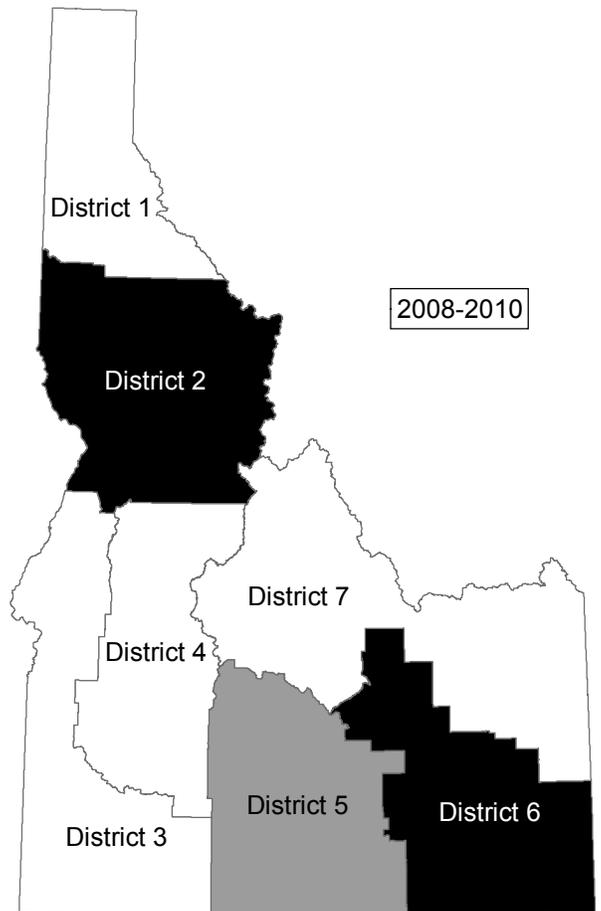
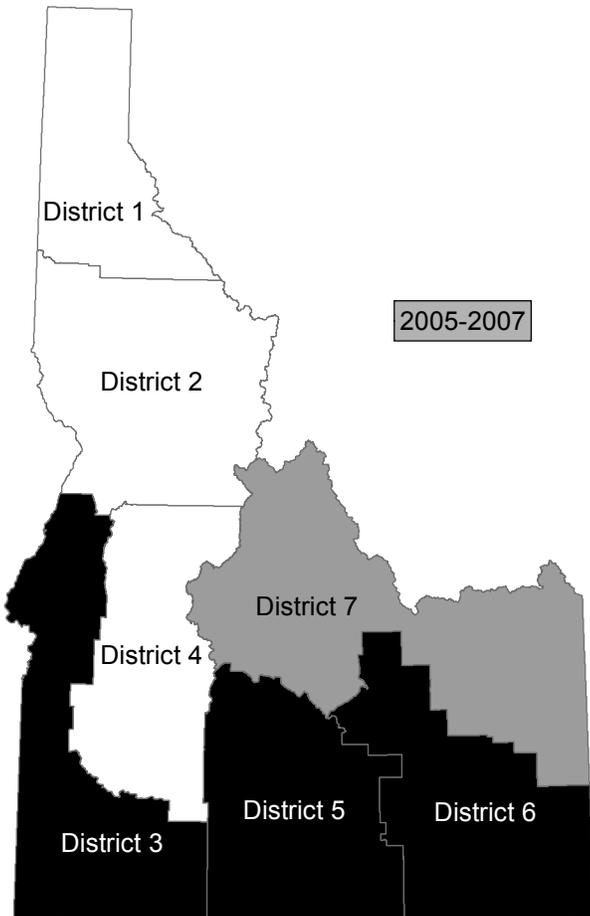
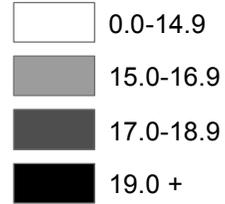
Differences in the number of deaths across years is due, in part, to ICD-10 coding changes in 2008.

For additional information regarding ICD-10 codes and/or age-adjustment, see Technical notes at the end of the report.

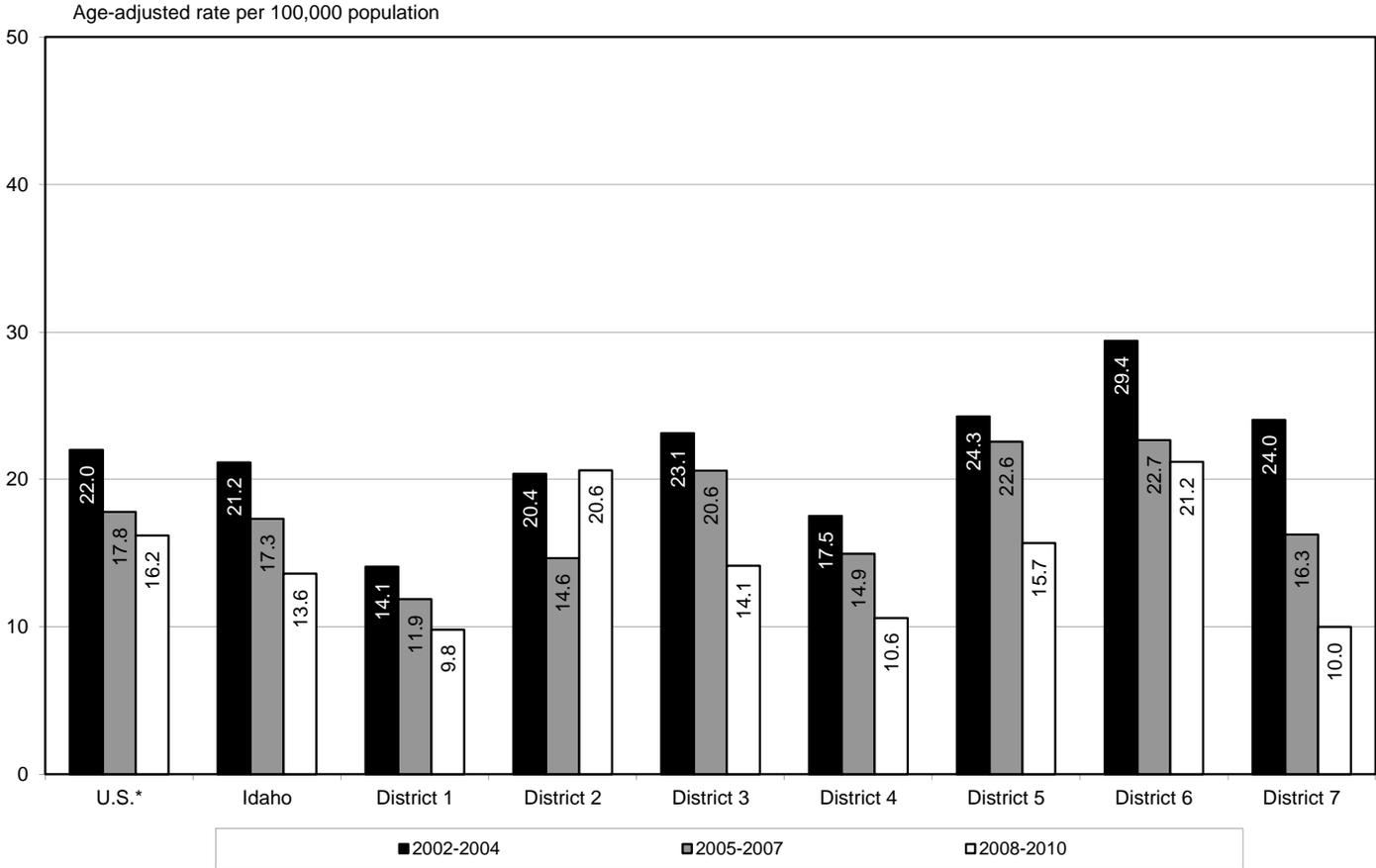
Idaho Resident Deaths by District  
 Influenza and Pneumonia  
 Average Annual Age-Adjusted Rates  
 2002-2004, 2005-2007, and 2008-2010



**Age-Adjusted Rate  
 Per 100,000 Population**



U.S., Idaho and District Resident Deaths  
Influenza and Pneumonia  
Average Annual Age-Adjusted Rates  
2002-2004, 2005-2007, and 2008-2010



\*U.S. age-adjusted rate in 2003, 2006, and 2009.

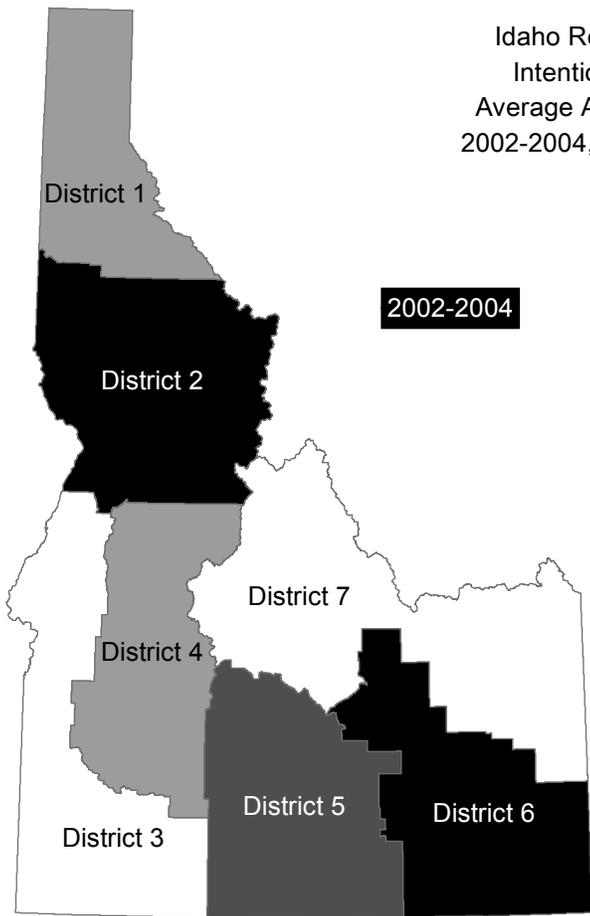
		Idaho	District 1	District 2	District 3	District 4	District 5	District 6	District 7
2002-2004	Deaths	825	84	79	147	152	139	128	96
	Rate <sup>1</sup>	21.2	14.1	20.4	23.1	17.5	24.3	29.4	24.0
	95% CI <sup>2</sup>	19.7 - 22.6	11.2 - 17.4	16.1 - 25.4	19.4 - 26.9	14.7 - 20.3	20.2 - 28.3	24.3 - 34.5	19.5 - 29.3
2005-2007	Deaths	752	81	62	150	147	136	105	71
	Rate <sup>1</sup>	17.3	11.9	14.6	20.6	14.9	22.6	22.7	16.3
	95% CI <sup>2</sup>	16.1 - 18.6	9.4 - 14.8	11.2 - 18.8	17.3 - 23.9	12.5 - 17.4	18.7 - 26.4	18.3 - 27.0	12.7 - 20.5
2008-2010	Deaths	626	70	86	106	119	95	101	49
	Rate <sup>1</sup>	13.6	9.8	20.6	14.1	10.6	15.7	21.2	10.0
	95% CI <sup>2</sup>	12.5 - 14.7	7.6 - 12.4	16.5 - 25.5	11.4 - 16.9	8.7 - 12.5	12.7 - 19.2	17.0 - 25.3	7.4 - 13.2

1. Rate: Average annual age-adjusted death rate per 100,000 population. Rates are standardized to the year 2000.

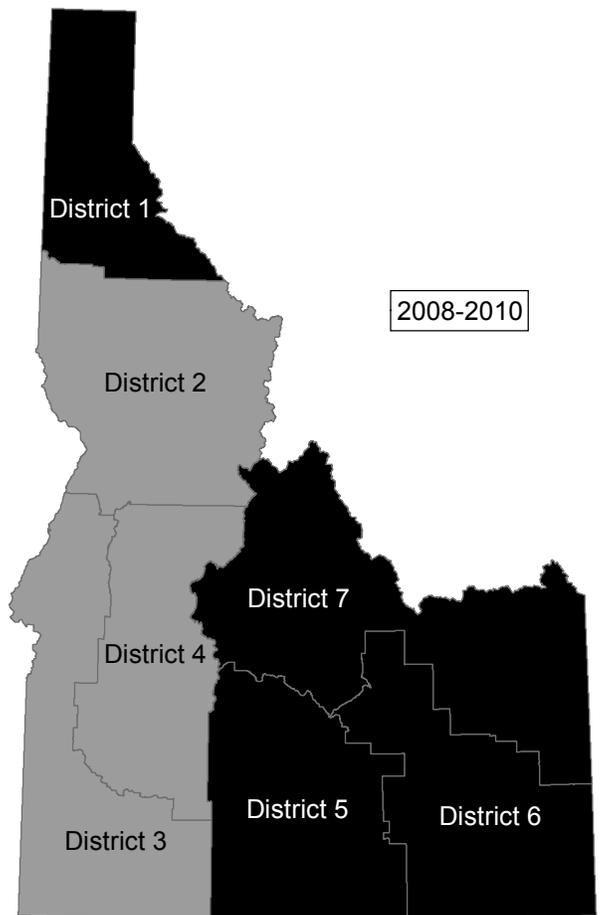
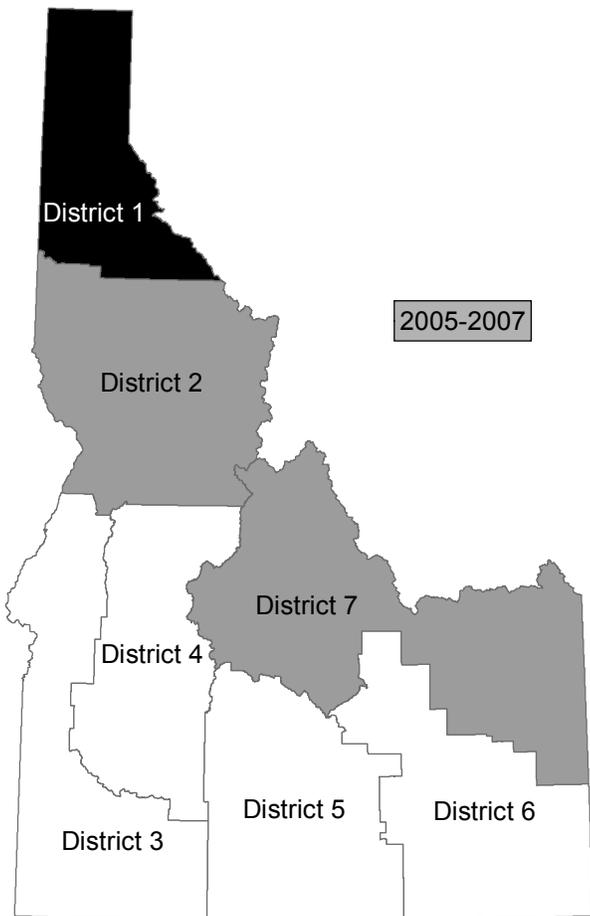
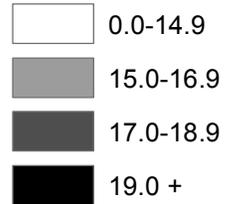
2. 95 percent confidence interval. This interval can be interpreted to mean that there is a 95 percent certainty the true age-adjusted rate falls within the confidence interval.

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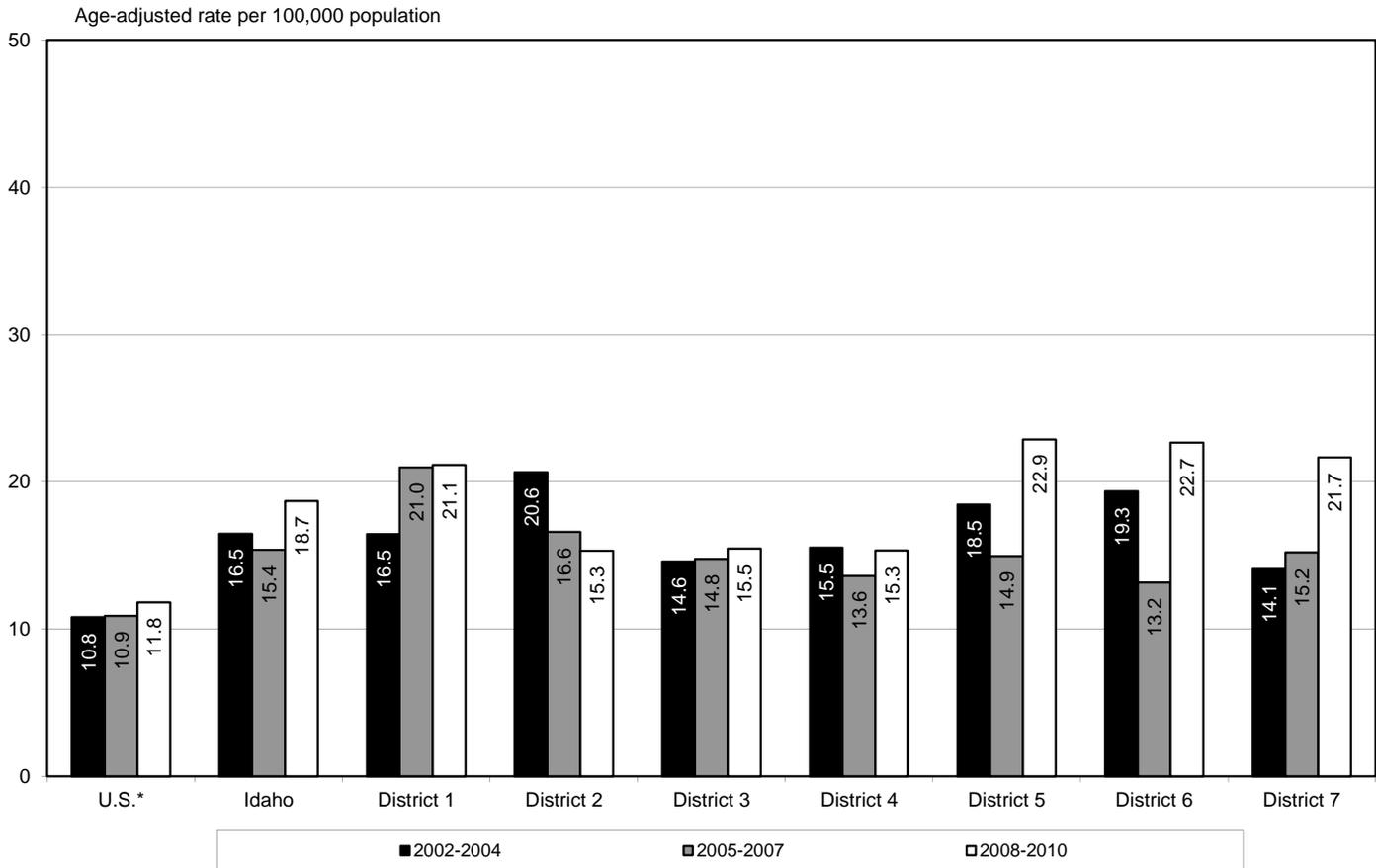
Idaho Resident Deaths by District  
 Intentional Self-Harm (suicide)  
 Average Annual Age-Adjusted Rates  
 2002-2004, 2005-2007, and 2008-2010



**Age-Adjusted Rate  
 Per 100,000 Population**



U.S., Idaho and District Resident Deaths  
Intentional Self-Harm (suicide)  
Average Annual Age-Adjusted Rates  
2002-2004, 2005-2007, and 2008-2010



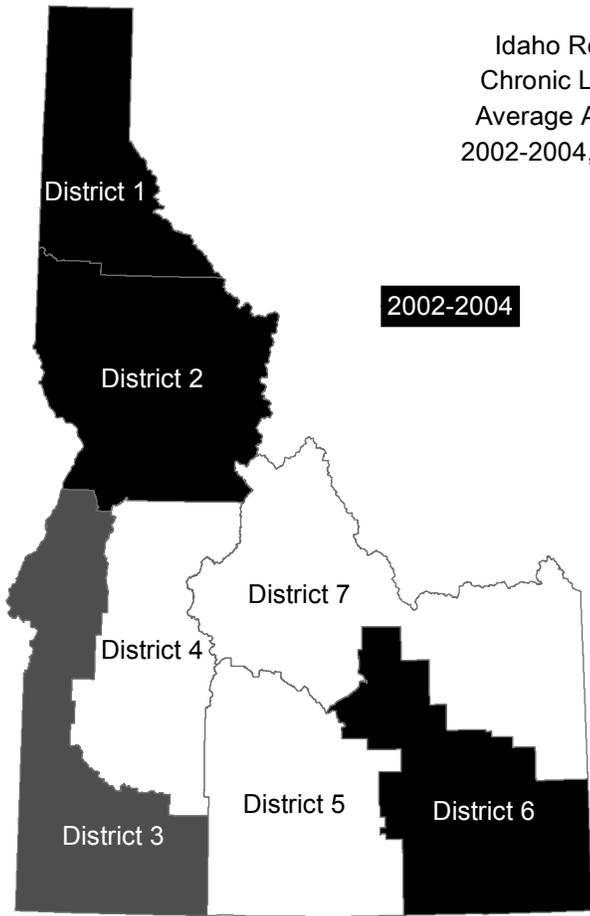
\*U.S. age-adjusted rate in 2003, 2006, and 2009.

		Idaho	District 1	District 2	District 3	District 4	District 5	District 6	District 7
2002-2004	Deaths	659	97	62	88	171	89	85	67
	Rate <sup>1</sup>	16.5	16.5	20.6	14.6	15.5	18.5	19.3	14.1
	95% CI <sup>2</sup>	15.2 - 17.7	13.3 - 20.1	15.8 - 26.5	11.7 - 18.0	13.2 - 17.9	14.8 - 22.7	15.5 - 23.9	10.9 - 17.9
2005-2007	Deaths	663	130	54	99	165	75	62	78
	Rate <sup>1</sup>	15.4	21.0	16.6	14.8	13.6	14.9	13.2	15.2
	95% CI <sup>2</sup>	14.2 - 16.6	17.3 - 24.6	12.5 - 21.6	12.0 - 18.0	11.5 - 15.7	11.8 - 18.7	10.1 - 16.9	12.0 - 19.0
2008-2010	Deaths	848	145	50	110	198	119	107	119
	Rate <sup>1</sup>	18.7	21.1	15.3	15.5	15.3	22.9	22.7	21.7
	95% CI <sup>2</sup>	17.4 - 20.0	17.6 - 24.7	11.4 - 20.2	12.5 - 18.4	13.2 - 17.5	18.7 - 27.1	18.3 - 27.0	17.7 - 25.7

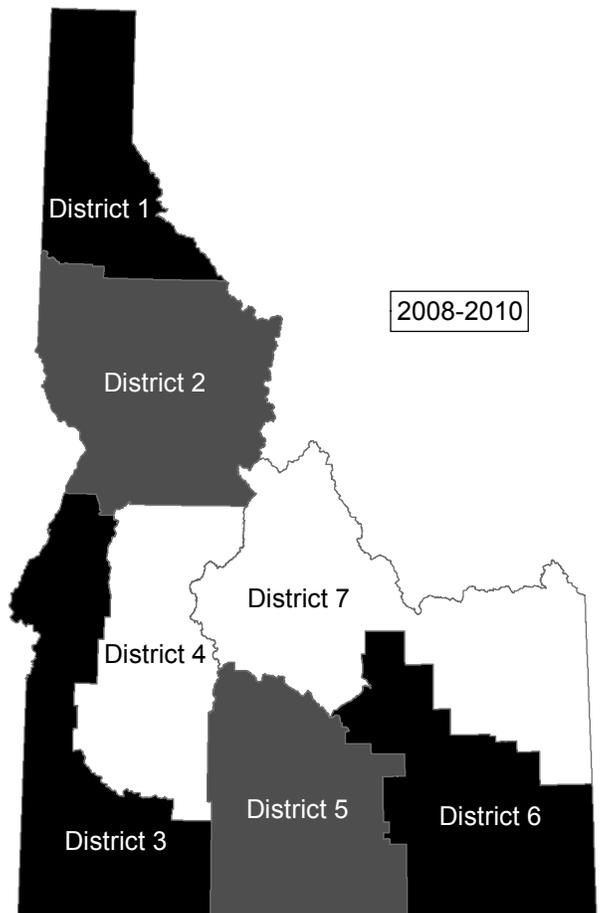
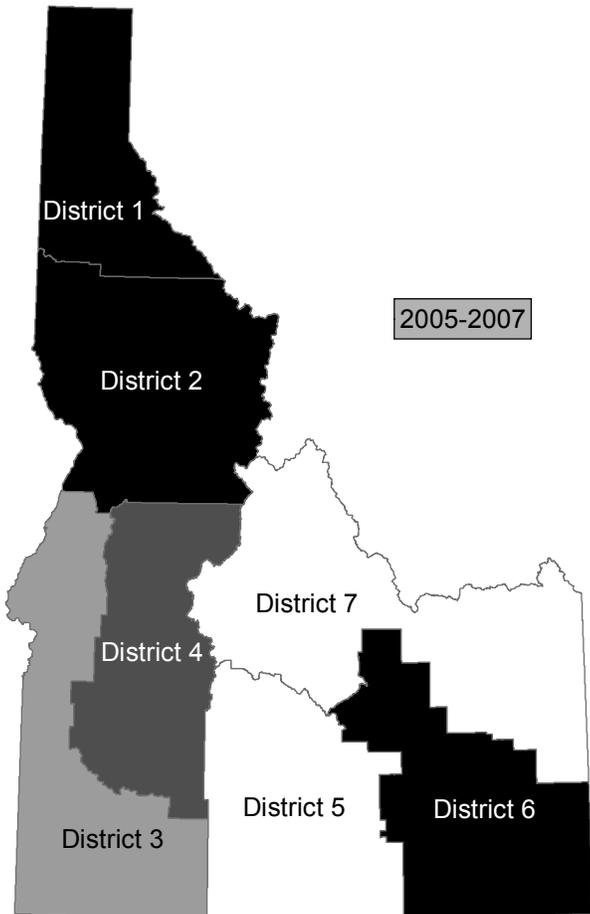
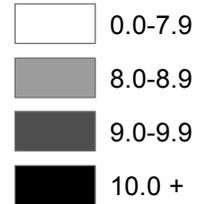
1. Rate: Average annual age-adjusted death rate per 100,000 population. Rates are standardized to the year 2000.
2. 95 percent confidence interval. This interval can be interpreted to mean that there is a 95 percent certainty the true age-adjusted rate falls within the confidence interval.

For additional information regarding ICD-10 codes and/or age-adjustment, see Technical notes at the end of the report.

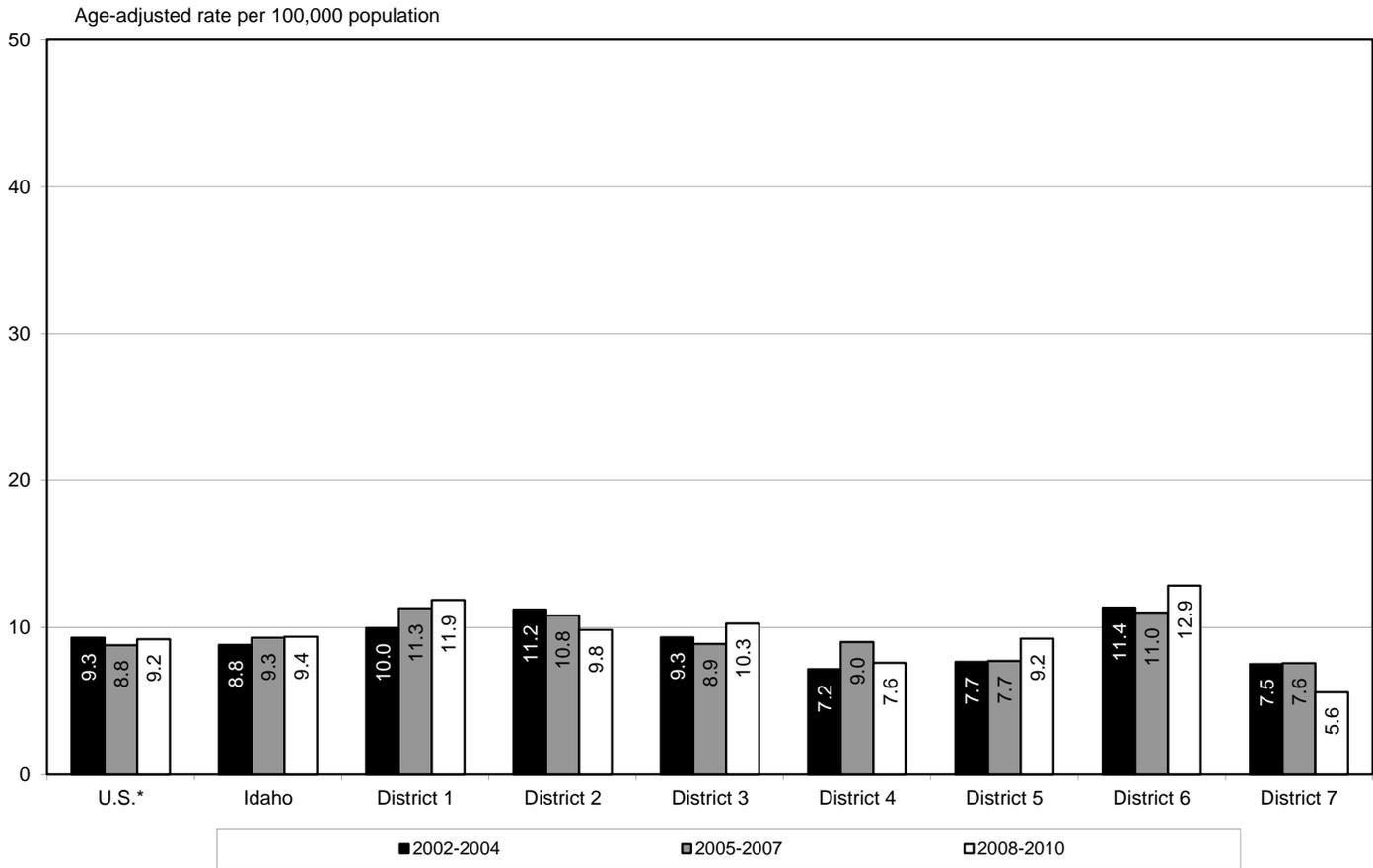
Idaho Resident Deaths by District  
 Chronic Liver Disease and Cirrhosis  
 Average Annual Age-Adjusted Rates  
 2002-2004, 2005-2007, and 2008-2010



**Age-Adjusted Rate  
 Per 100,000 Population**



U.S., Idaho and District Resident Deaths  
Chronic Liver Disease and Cirrhosis  
Average Annual Age-Adjusted Rates  
2002-2004, 2005-2007, and 2008-2010



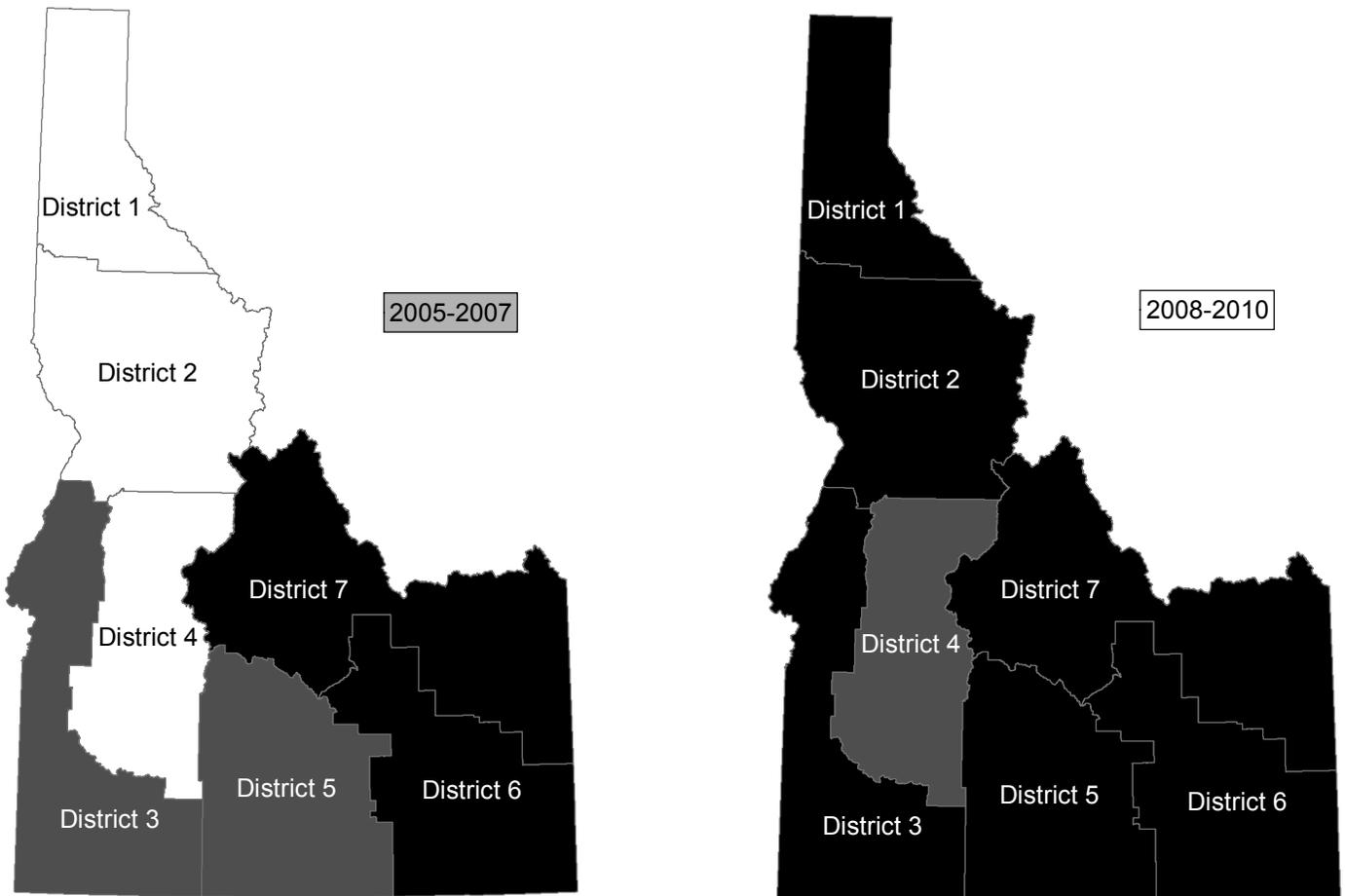
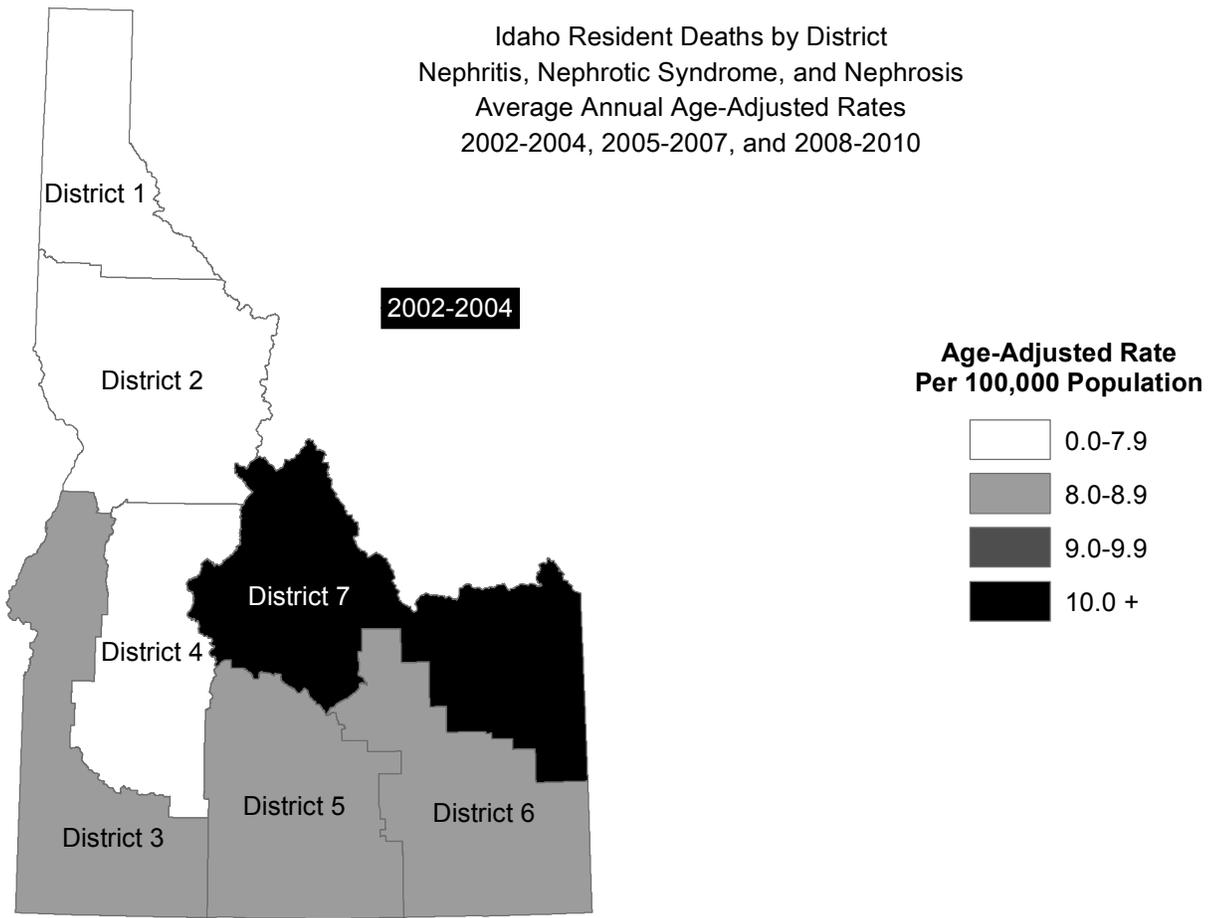
\*U.S. age-adjusted rate in 2003, 2006, and 2009.

		Idaho	District 1	District 2	District 3	District 4	District 5	District 6	District 7
2002-2004	Deaths	351	64	38	55	71	39	50	34
	Rate <sup>1</sup>	8.8	10.0	11.2	9.3	7.2	7.7	11.4	7.5
	95% CI <sup>2</sup>	7.9 - 9.7	7.7 - 12.7	7.9 - 15.4	7.0 - 12.1	5.6 - 9.0	5.5 - 10.5	8.4 - 15.0	5.2 - 10.5
2005-2007	Deaths	410	78	36	60	105	42	51	38
	Rate <sup>1</sup>	9.3	11.3	10.8	8.9	9.0	7.7	11.0	7.6
	95% CI <sup>2</sup>	8.4 - 10.2	8.9 - 14.1	7.6 - 15.0	6.8 - 11.4	7.3 - 10.8	5.6 - 10.5	8.2 - 14.5	5.4 - 10.4
2008-2010	Deaths	442	89	34	75	99	53	62	30
	Rate <sup>1</sup>	9.4	11.9	9.8	10.3	7.6	9.2	12.9	5.6
	95% CI <sup>2</sup>	8.5 - 10.3	9.5 - 14.6	6.8 - 13.8	8.1 - 12.9	6.2 - 9.3	6.9 - 12.1	9.9 - 16.5	3.8 - 8.0

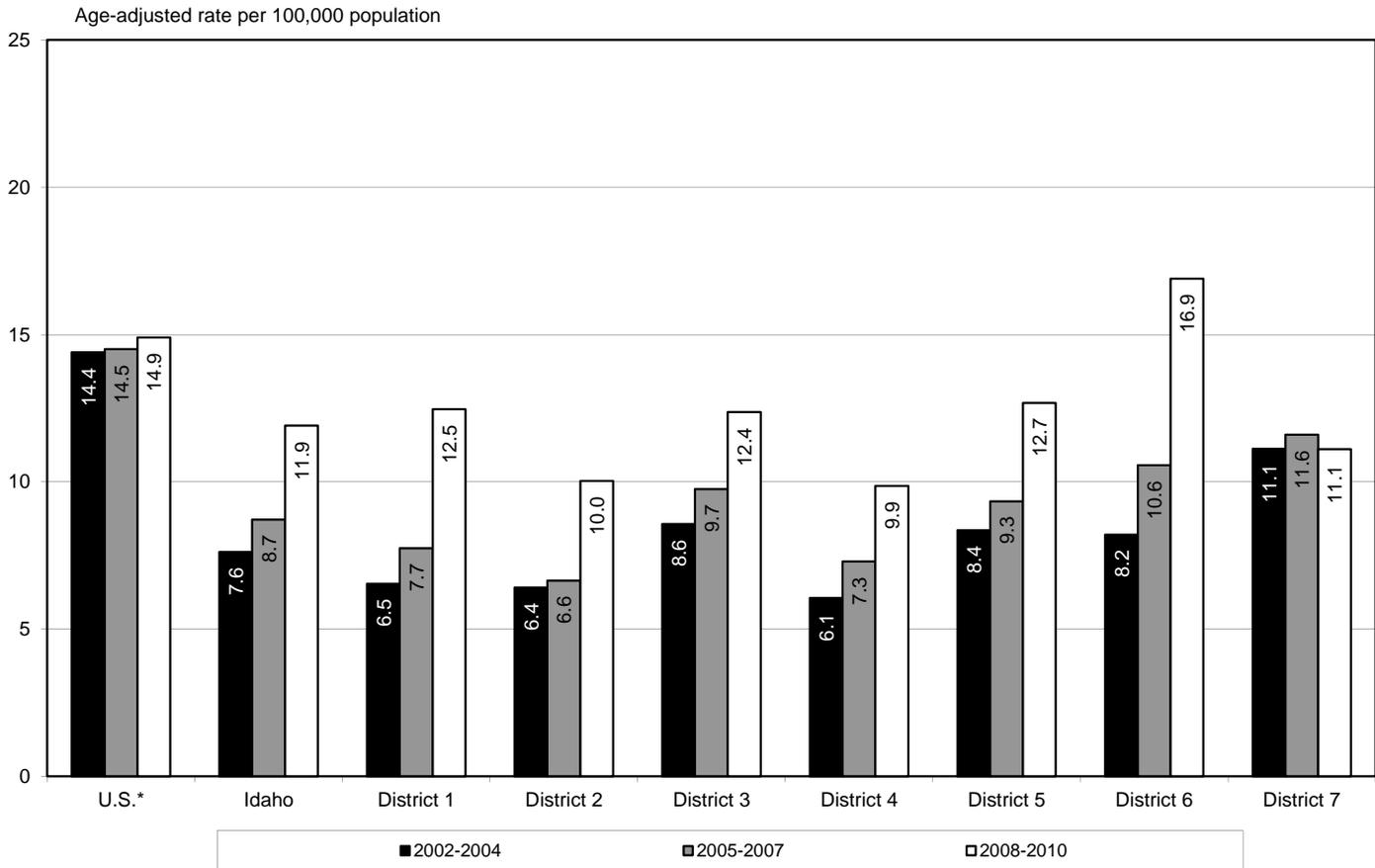
1. Rate: Average annual age-adjusted death rate per 100,000 population. Rates are standardized to the year 2000.
2. 95 percent confidence interval. This interval can be interpreted to mean that there is a 95 percent certainty the true age-adjusted rate falls within the confidence interval.

For additional information regarding ICD-10 codes and/or age-adjustment, see Technical notes at the end of the report.

Idaho Resident Deaths by District  
 Nephritis, Nephrotic Syndrome, and Nephrosis  
 Average Annual Age-Adjusted Rates  
 2002-2004, 2005-2007, and 2008-2010



U.S., Idaho and District Resident Deaths  
Nephritis, Nephrotic Syndrome, and Nephrosis  
Average Annual Age-Adjusted Rates  
2002-2004, 2005-2007, and 2008-2010



\*U.S. age-adjusted rate in 2003, 2006, and 2009.

		Idaho	District 1	District 2	District 3	District 4	District 5	District 6	District 7
2002-2004	Deaths	294	40	23	52	52	47	36	44
	Rate <sup>1</sup>	7.6	6.5	6.4	8.6	6.1	8.4	8.2	11.1
	95% CI <sup>2</sup>	6.7 - 8.5	4.7 - 8.9	4.1 - 9.6	6.4 - 11.2	4.5 - 7.9	6.1 - 11.1	5.7 - 11.4	8.1 - 14.9
2005-2007	Deaths	371	53	26	69	70	55	48	50
	Rate <sup>1</sup>	8.7	7.7	6.6	9.7	7.3	9.3	10.6	11.6
	95% CI <sup>2</sup>	7.8 - 9.6	5.8 - 10.1	4.3 - 9.7	7.6 - 12.3	5.7 - 9.2	7.0 - 12.2	7.8 - 14.0	8.6 - 15.3
2008-2010	Deaths	545	92	42	94	109	75	81	52
	Rate <sup>1</sup>	11.9	12.5	10.0	12.4	9.9	12.7	16.9	11.1
	95% CI <sup>2</sup>	10.9 - 12.9	10.0 - 15.3	7.2 - 13.6	10.0 - 15.1	8.0 - 11.7	10.0 - 15.9	13.4 - 21.0	8.3 - 14.6

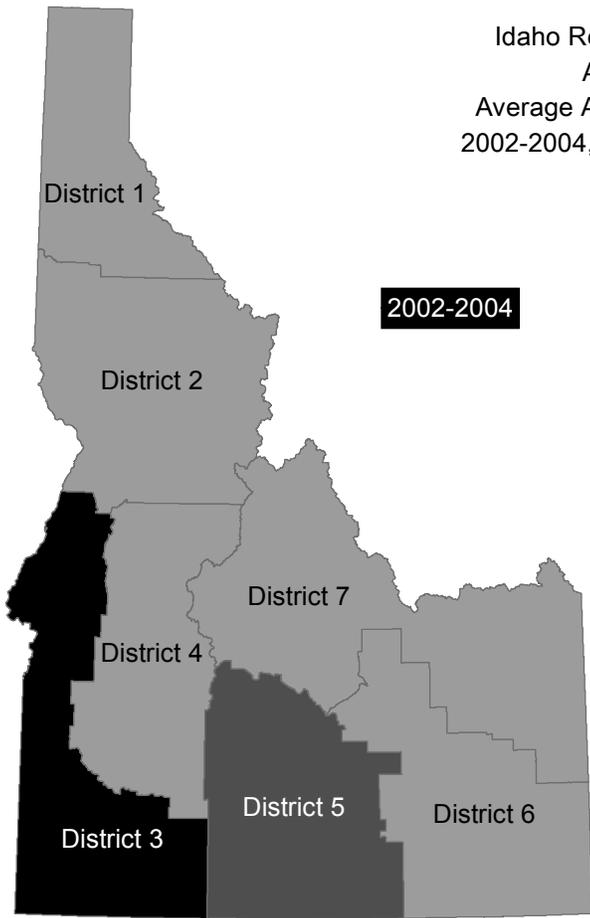
1. Rate: Average annual age-adjusted death rate per 100,000 population. Rates are standardized to the year 2000.

2. 95 percent confidence interval. This interval can be interpreted to mean that there is a 95 percent certainty the true age-adjusted rate falls within the confidence interval.

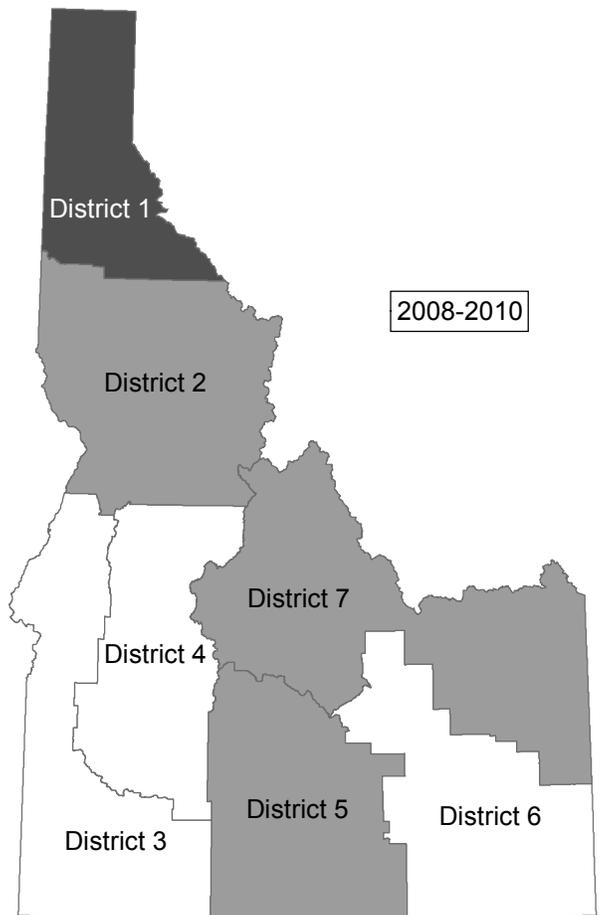
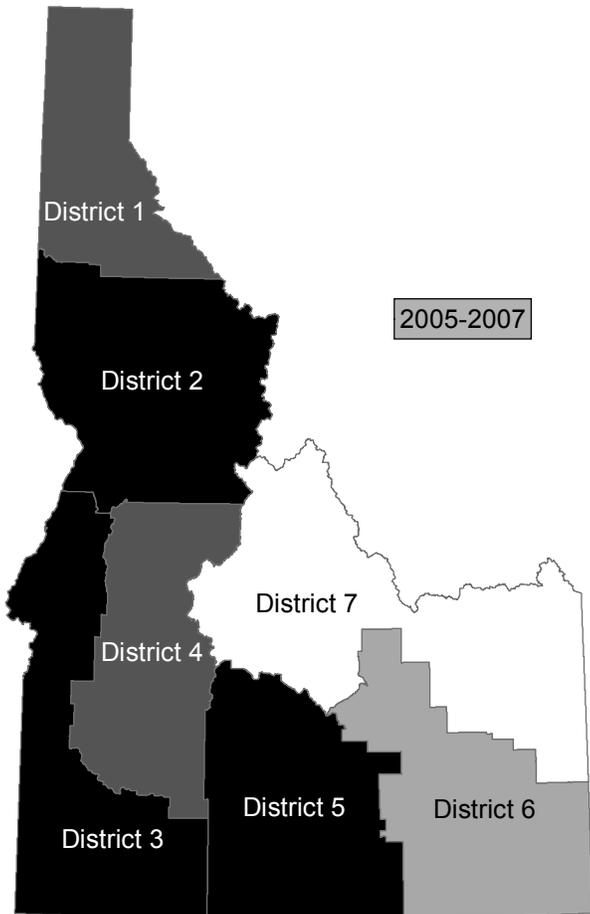
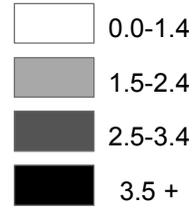
Differences in the number of deaths across years is due, in part, to ICD-10 coding changes in 2007.

For additional information regarding ICD-10 codes and/or age-adjustment, see Technical notes at the end of the report.

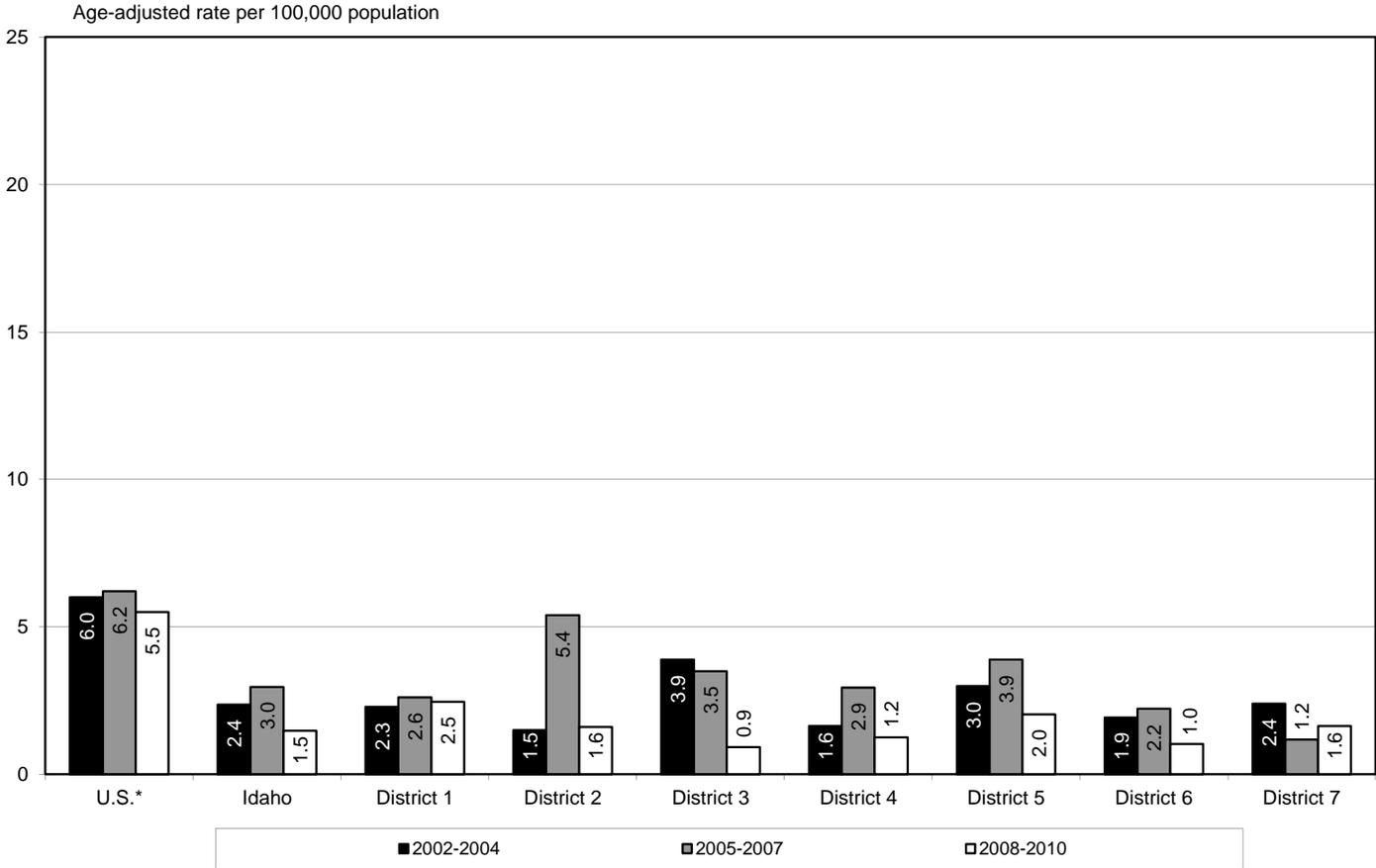
Idaho Resident Deaths by District  
 Assault (homicide)  
 Average Annual Age-Adjusted Rates  
 2002-2004, 2005-2007, and 2008-2010



**Age-Adjusted Rate  
 Per 100,000 Population**



U.S., Idaho and District Resident Deaths  
Assault (homicide)  
Average Annual Age-Adjusted Rates  
2002-2004, 2005-2007, and 2008-2010



\*U.S. age-adjusted rate in 2003, 2006, and 2009.

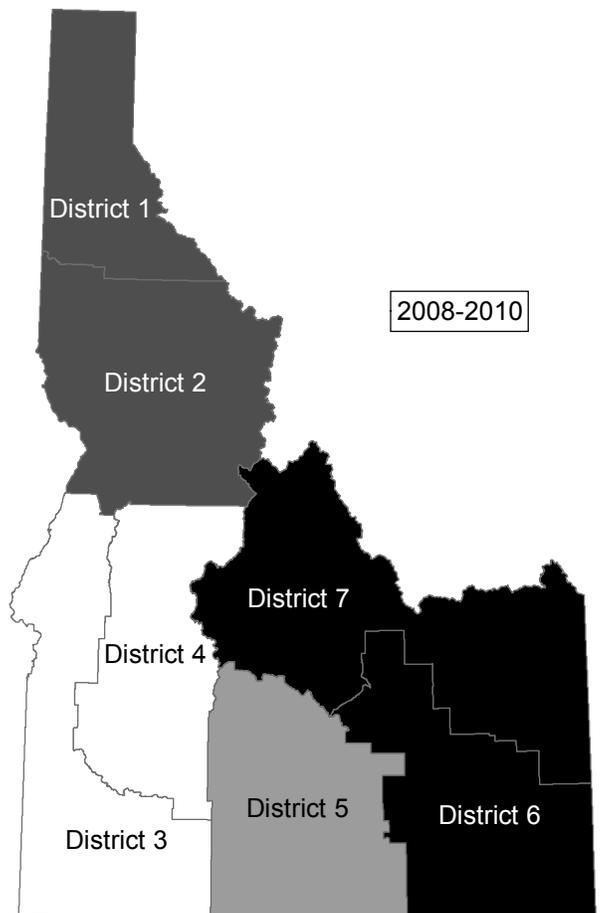
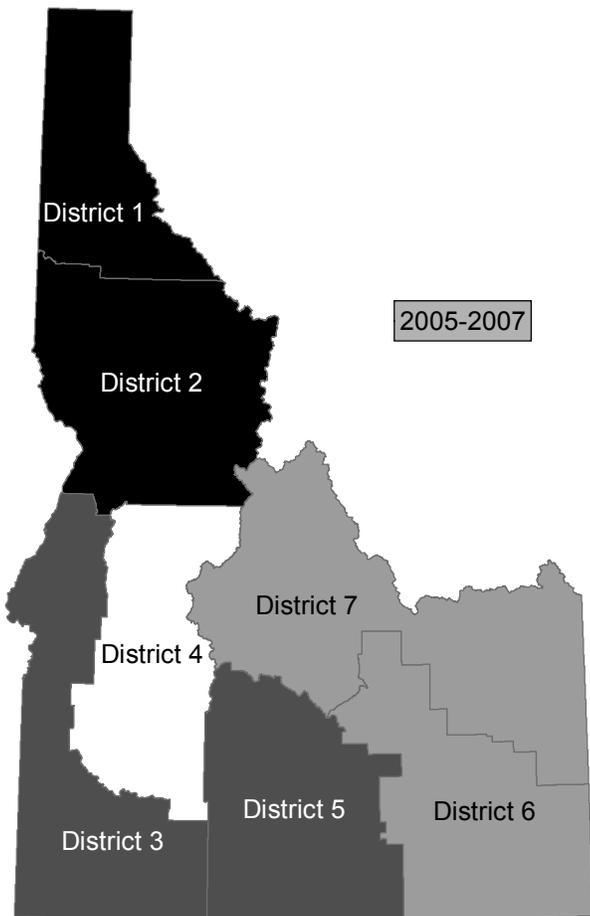
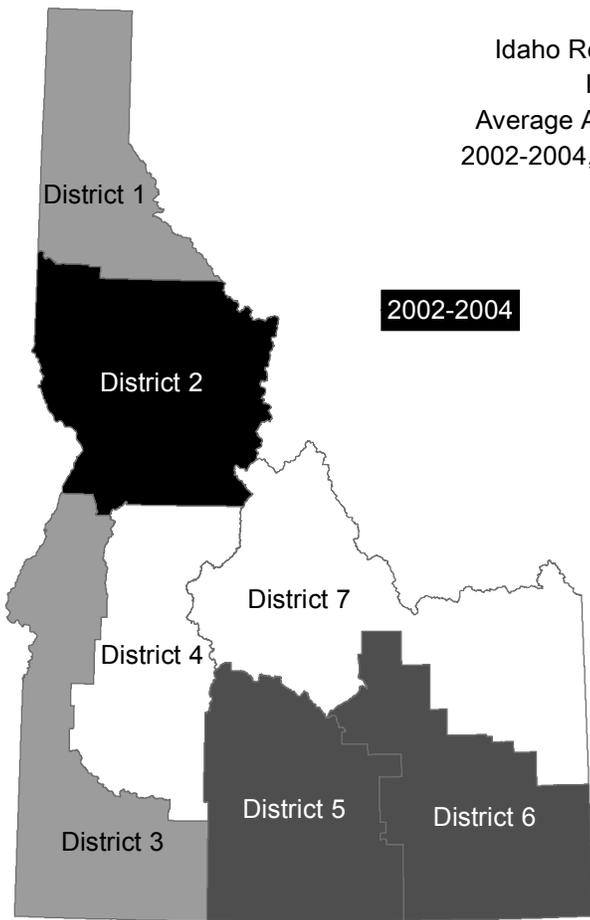
		Idaho	District 1	District 2	District 3	District 4	District 5	District 6	District 7
2002-2004	Deaths	98	13	5	25	19	15	10	11
	Rate <sup>1</sup>	2.4	2.3	1.5	3.9	1.6	3.0	1.9	2.4
	95% CI <sup>2</sup>	1.9 - 2.9	1.2 - 3.9	0.5 - 3.5	2.5 - 5.7	1.0 - 2.6	1.7 - 4.9	0.9 - 3.5	1.2 - 4.3
2005-2007	Deaths	130	16	16	25	36	20	11	6
	Rate <sup>1</sup>	3.0	2.6	5.4	3.5	2.9	3.9	2.2	1.2
	95% CI <sup>2</sup>	2.4 - 3.5	1.5 - 4.2	3.1 - 8.8	2.3 - 5.2	2.1 - 4.1	2.4 - 6.0	1.1 - 4.0	0.4 - 2.5
2008-2010	Deaths	69	13	6	7	16	11	5	11
	Rate <sup>1</sup>	1.5	2.5	1.6	0.9	1.2	2.0	1.0	1.6
	95% CI <sup>2</sup>	1.1 - 1.9	1.3 - 4.2	0.6 - 3.5	0.4 - 1.9	0.7 - 2.0	1.0 - 3.6	0.3 - 2.4	0.8 - 2.9

1. Rate: Average annual age-adjusted death rate per 100,000 population. Rates are standardized to the year 2000.

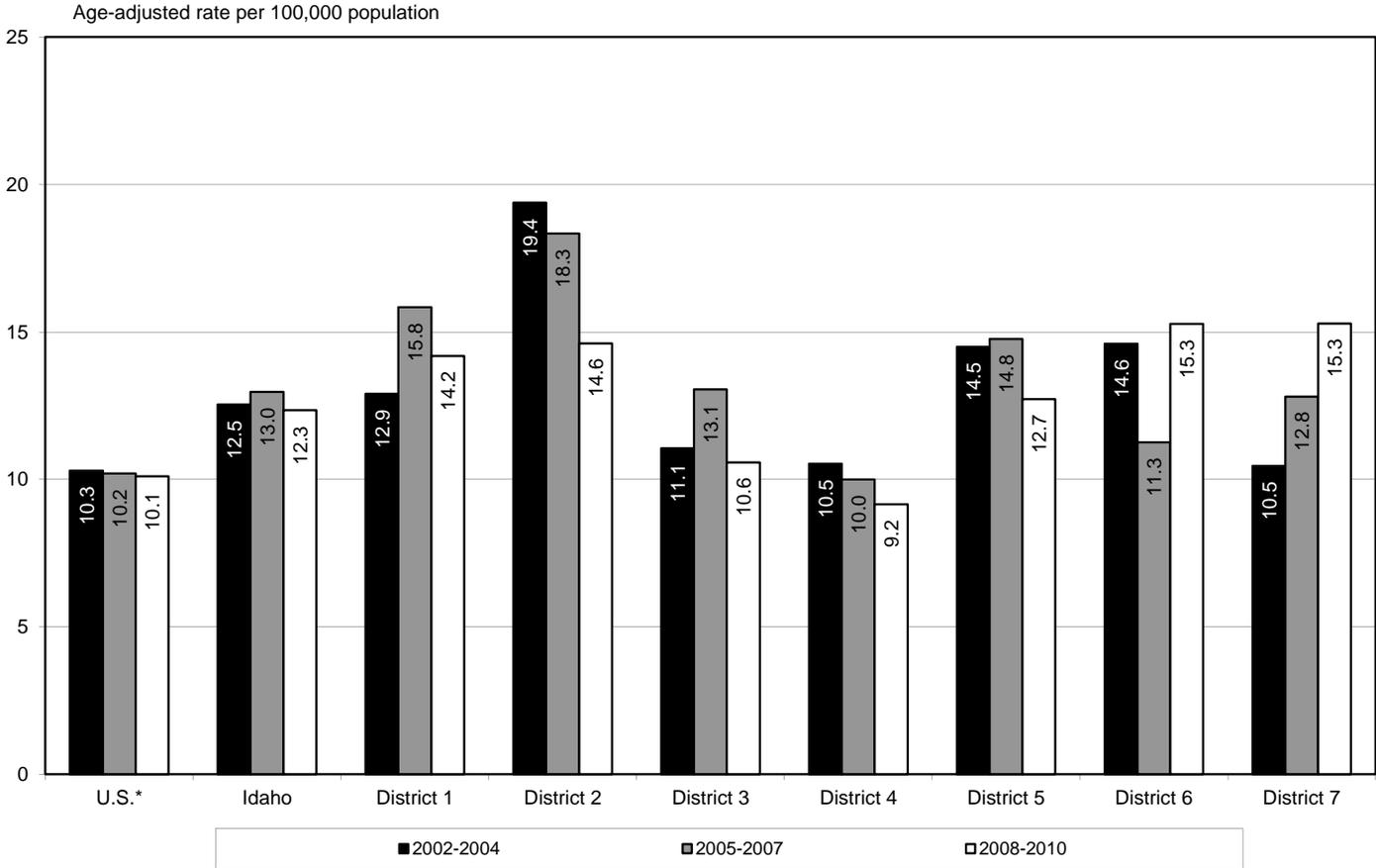
2. 95 percent confidence interval. This interval can be interpreted to mean that there is a 95 percent certainty the true age-adjusted rate falls within the confidence interval.

For additional information regarding ICD-10 codes and/or age-adjustment, see Technical notes at the end of the report.

Idaho Resident Deaths by District  
 Injury by Firearms  
 Average Annual Age-Adjusted Rates  
 2002-2004, 2005-2007, and 2008-2010



U.S., Idaho and District Resident Deaths  
Injury by Firearms  
Average Annual Age-Adjusted Rates  
2002-2004, 2005-2007, and 2008-2010



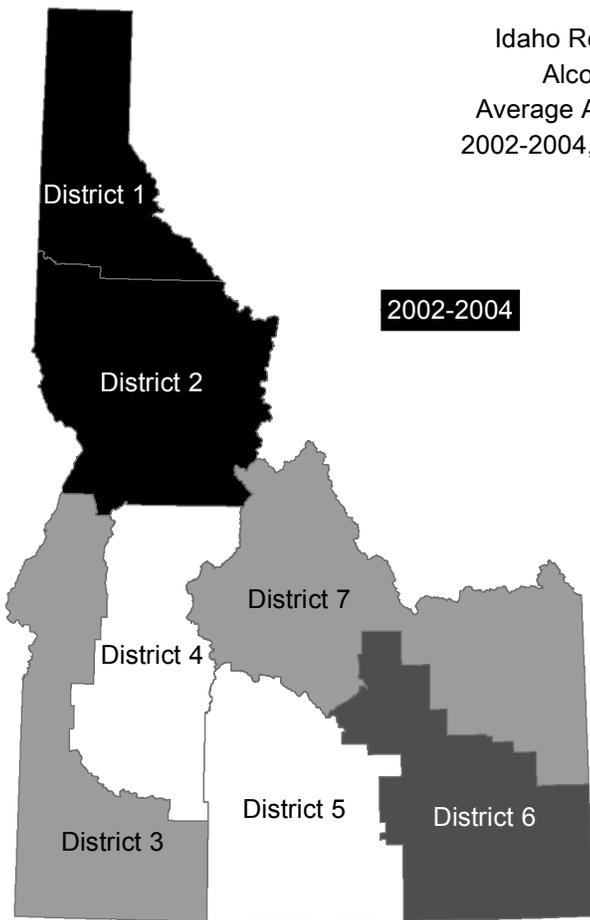
\*U.S. age-adjusted rate in 2003, 2006, and 2009.

		Idaho	District 1	District 2	District 3	District 4	District 5	District 6	District 7
2002-2004	Deaths	505	77	59	68	114	71	65	51
	Rate <sup>1</sup>	12.5	12.9	19.4	11.1	10.5	14.5	14.6	10.5
	95% CI <sup>2</sup>	11.4 - 13.6	10.2 - 16.1	14.8 - 25.0	8.6 - 14.0	8.6 - 12.5	11.3 - 18.3	11.3 - 18.6	7.8 - 13.7
2005-2007	Deaths	559	100	58	88	120	74	53	66
	Rate <sup>1</sup>	13.0	15.8	18.3	13.1	10.0	14.8	11.3	12.8
	95% CI <sup>2</sup>	11.9 - 14.0	12.7 - 19.0	13.9 - 23.7	10.5 - 16.1	8.2 - 11.8	11.6 - 18.5	8.4 - 14.7	9.9 - 16.3
2008-2010	Deaths	567	97	50	77	118	68	73	84
	Rate <sup>1</sup>	12.3	14.2	14.6	10.6	9.2	12.7	15.3	15.3
	95% CI <sup>2</sup>	11.3 - 13.4	11.5 - 17.3	10.8 - 19.3	8.3 - 13.2	7.5 - 10.8	9.9 - 16.1	12.0 - 19.2	12.2 - 18.9

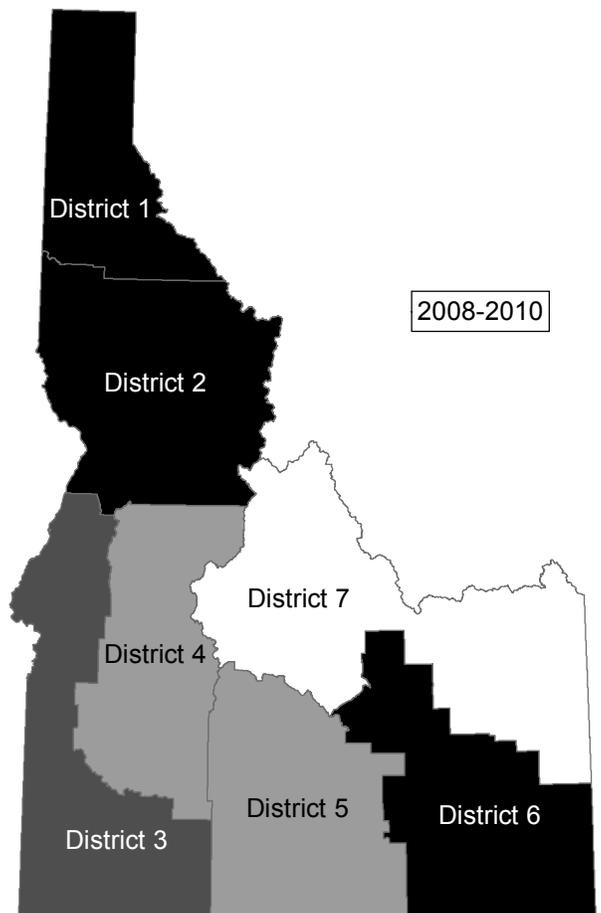
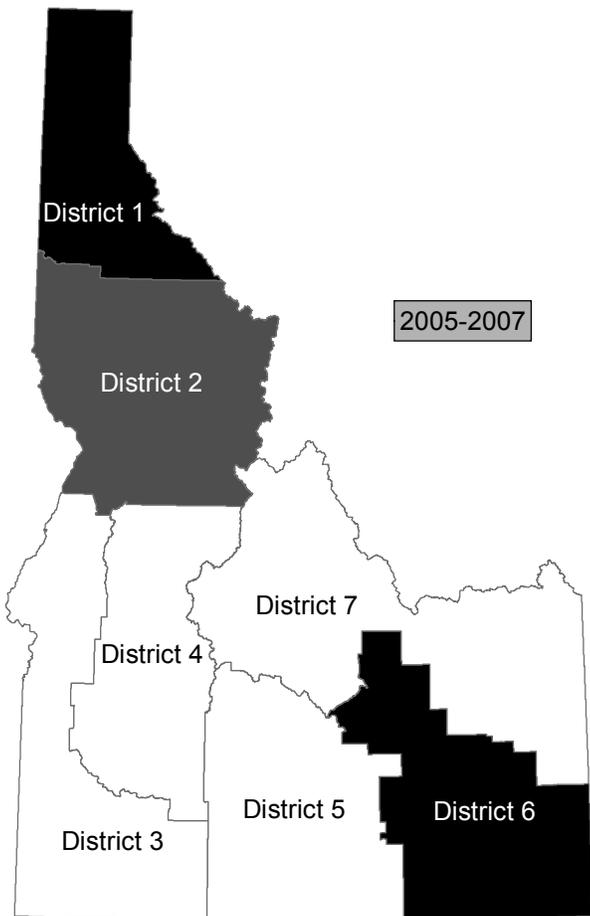
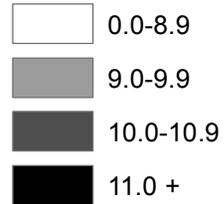
1. Rate: Average annual age-adjusted death rate per 100,000 population. Rates are standardized to the year 2000.
2. 95 percent confidence interval. This interval can be interpreted to mean that there is a 95 percent certainty the true age-adjusted rate falls within the confidence interval.

Injury by firearms includes death by firearms due to accidental discharge, homicide, suicide, legal intervention, or undetermined intent. For additional information regarding ICD-10 codes and/or age-adjustment, see Technical notes at the end of the report.

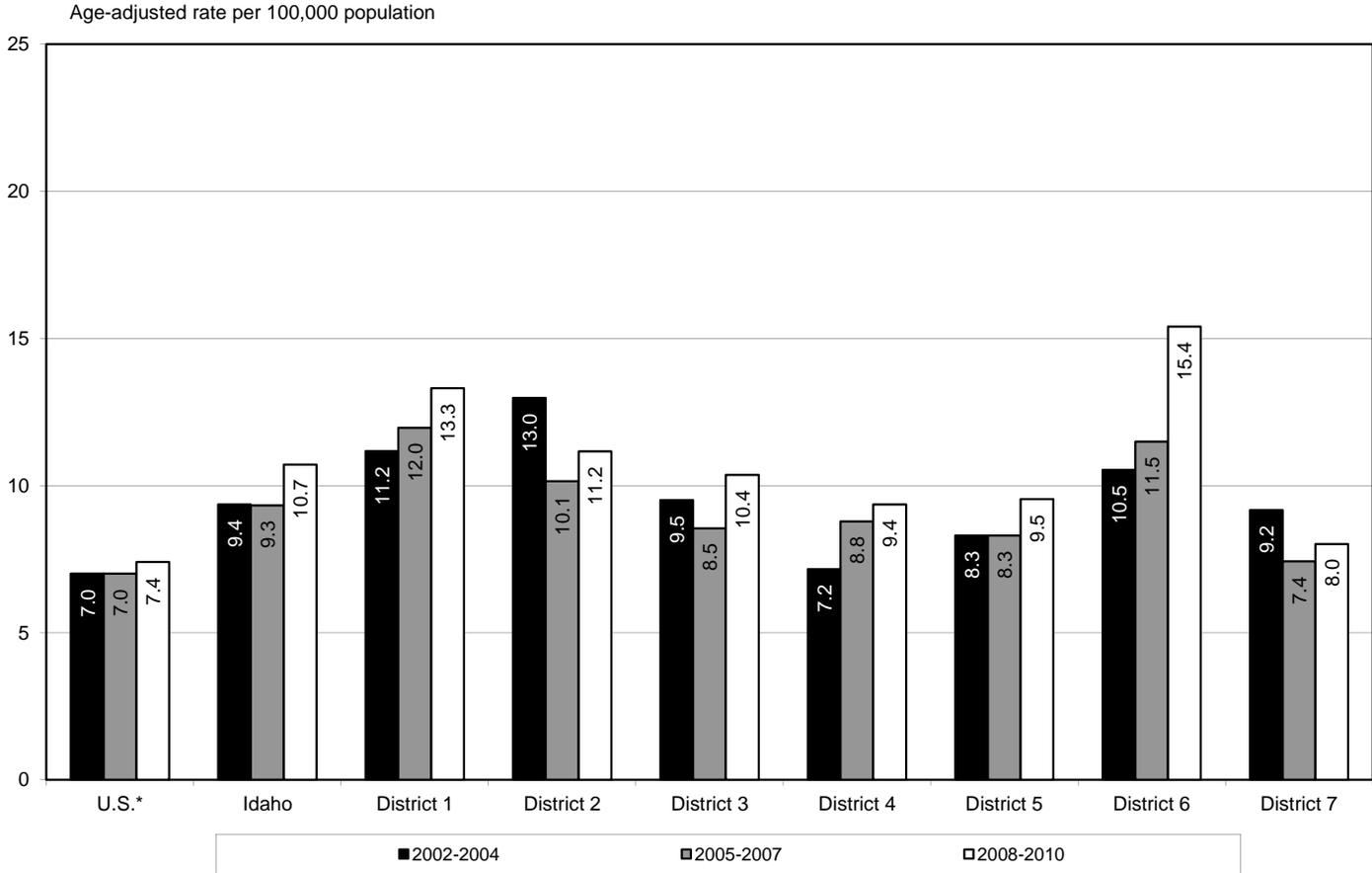
Idaho Resident Deaths by District  
 Alcohol-Induced Mortality  
 Average Annual Age-Adjusted Rates  
 2002-2004, 2005-2007, and 2008-2010



**Age-Adjusted Rate  
 Per 100,000 Population**



U.S., Idaho and District Resident Deaths  
 Alcohol-Induced Mortality  
 Average Annual Age-Adjusted Rates  
 2002-2004, 2005-2007, and 2008-2010



\*U.S. age-adjusted rate in 2003, 2006, and 2009.

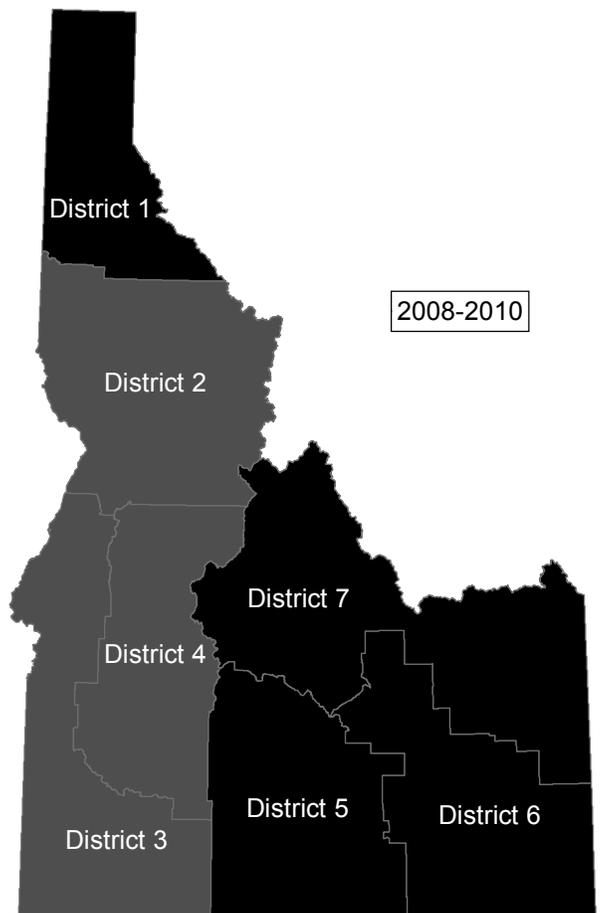
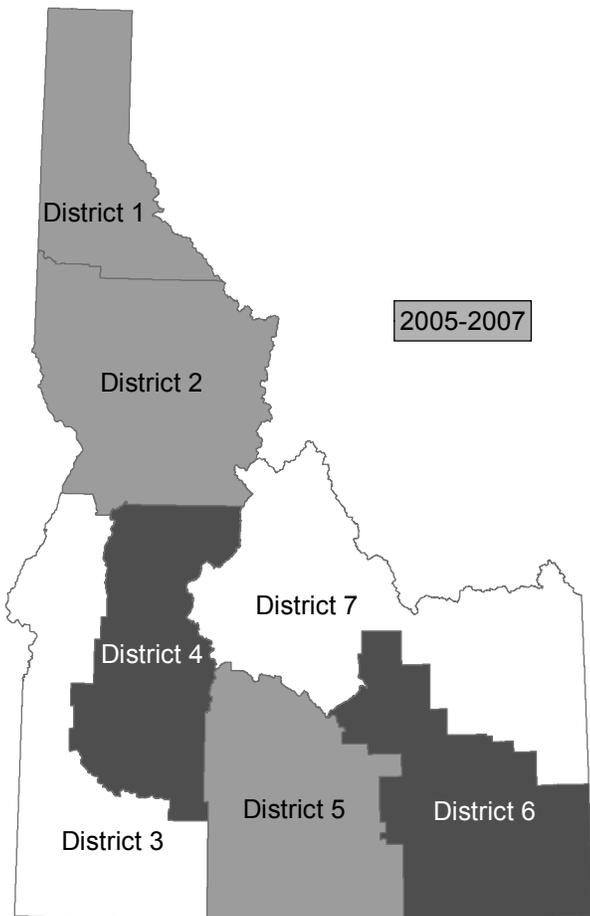
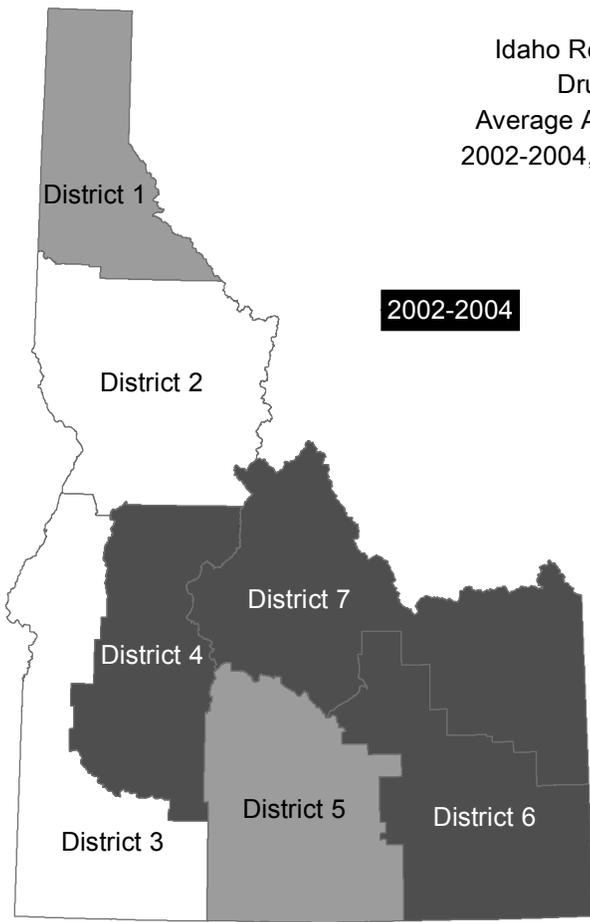
		Idaho	District 1	District 2	District 3	District 4	District 5	District 6	District 7
2002-2004	Deaths	375	71	44	56	73	42	47	42
	Rate <sup>1</sup>	9.4	11.2	13.0	9.5	7.2	8.3	10.5	9.2
	95% CI <sup>2</sup>	8.4 - 10.3	8.7 - 14.1	9.4 - 17.4	7.2 - 12.3	5.6 - 9.0	6.0 - 11.2	7.7 - 14.0	6.6 - 12.4
2005-2007	Deaths	414	84	32	58	104	45	53	38
	Rate <sup>1</sup>	9.3	12.0	10.1	8.5	8.8	8.3	11.5	7.4
	95% CI <sup>2</sup>	8.4 - 10.2	9.5 - 14.8	6.9 - 14.3	6.5 - 11.0	7.1 - 10.5	6.1 - 11.1	8.6 - 15.0	5.3 - 10.2
2008-2010	Deaths	511	99	39	78	123	56	72	44
	Rate <sup>1</sup>	10.7	13.3	11.2	10.4	9.4	9.5	15.4	8.0
	95% CI <sup>2</sup>	9.8 - 11.7	10.8 - 16.2	7.9 - 15.3	8.2 - 12.9	7.7 - 11.0	7.2 - 12.4	12.0 - 19.4	5.8 - 10.7

1. Rate: Average annual age-adjusted death rate per 100,000 population. Rates are standardized to the year 2000.
2. 95 percent confidence interval. This interval can be interpreted to mean that there is a 95 percent certainty the true age-adjusted rate falls within the confidence interval.

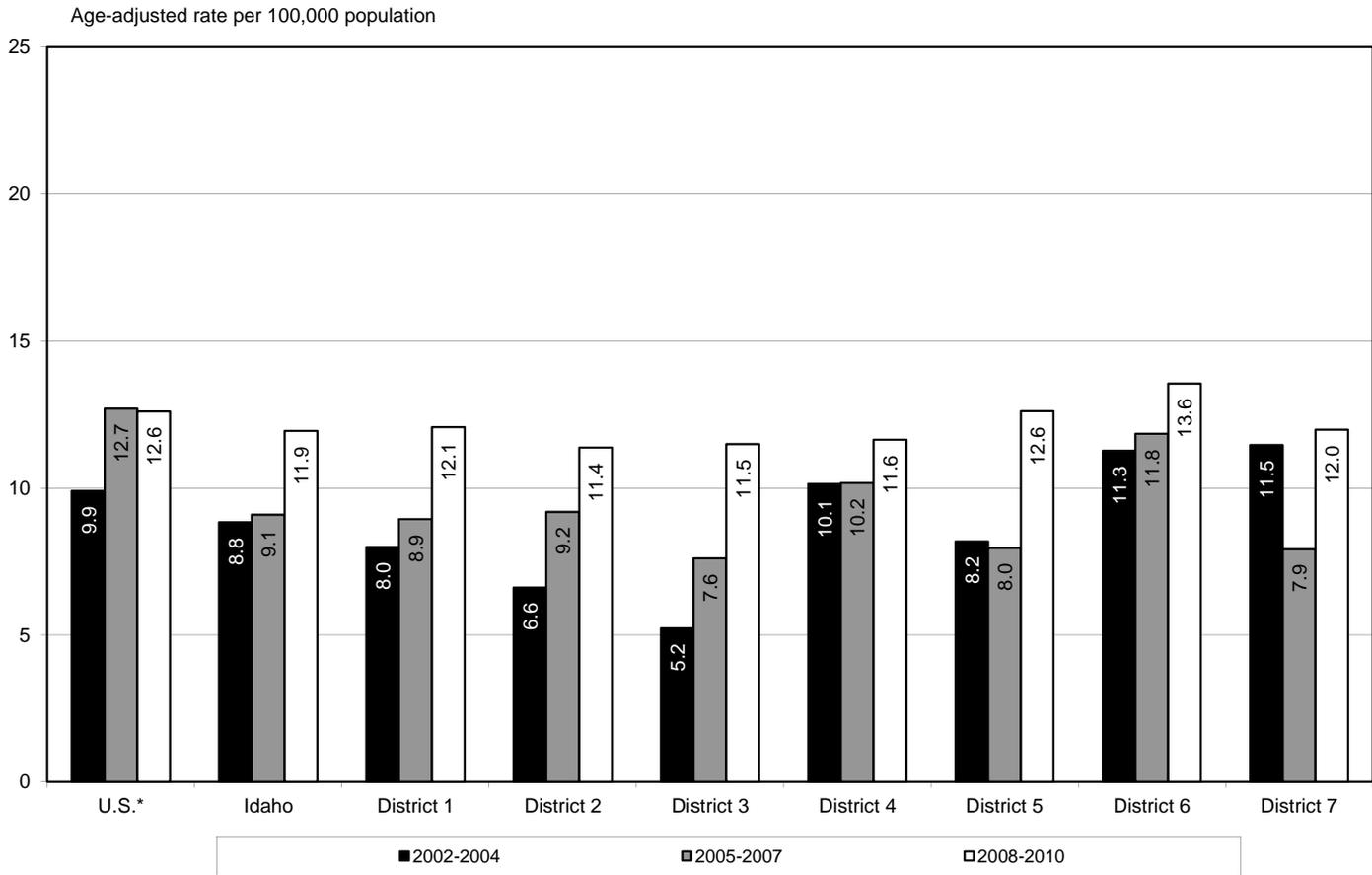
This category is included in other select causes of death.

For additional information regarding ICD-10 codes and/or age-adjustment, see Technical notes at the end of the report.

Idaho Resident Deaths by District  
 Drug-Induced Mortality  
 Average Annual Age-Adjusted Rates  
 2002-2004, 2005-2007, and 2008-2010



U.S., Idaho and District Resident Deaths  
Drug-Induced Mortality  
Average Annual Age-Adjusted Rates  
2002-2004, 2005-2007, and 2008-2010



\*U.S. age-adjusted rate in 2003, 2006, and 2009.

		Idaho	District 1	District 2	District 3	District 4	District 5	District 6	District 7
2002-2004	Deaths	348	46	20	30	112	39	49	52
	Rate <sup>1</sup>	8.8	8.0	6.6	5.2	10.1	8.2	11.3	11.5
	95% CI <sup>2</sup>	7.9 - 9.8	5.9 - 10.7	4.0 - 10.2	3.5 - 7.5	8.2 - 12.0	5.8 - 11.2	8.3 - 14.9	8.6 - 15.0
2005-2007	Deaths	389	56	26	49	127	40	53	38
	Rate <sup>1</sup>	9.1	8.9	9.2	7.6	10.2	8.0	11.8	7.9
	95% CI <sup>2</sup>	8.2 - 10.0	6.8 - 11.6	6.0 - 13.5	5.6 - 10.1	8.4 - 11.9	5.7 - 10.8	8.9 - 15.5	5.6 - 10.9
2008-2010	Deaths	534	76	35	81	153	64	62	63
	Rate <sup>1</sup>	11.9	12.1	11.4	11.5	11.6	12.6	13.6	12.0
	95% CI <sup>2</sup>	10.9 - 13.0	9.5 - 15.1	7.9 - 15.8	9.1 - 14.3	9.8 - 13.5	9.7 - 16.1	10.4 - 17.4	9.2 - 15.3

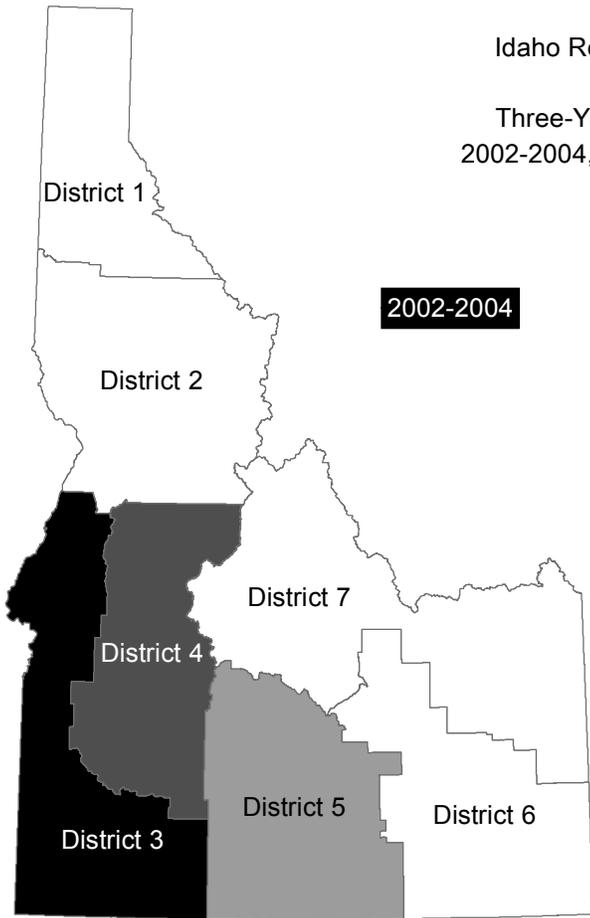
1. Rate: Average annual age-adjusted death rate per 100,000 population. Rates are standardized to the year 2000.

2. 95 percent confidence interval. This interval can be interpreted to mean that there is a 95 percent certainty the true age-adjusted rate falls within the confidence interval.

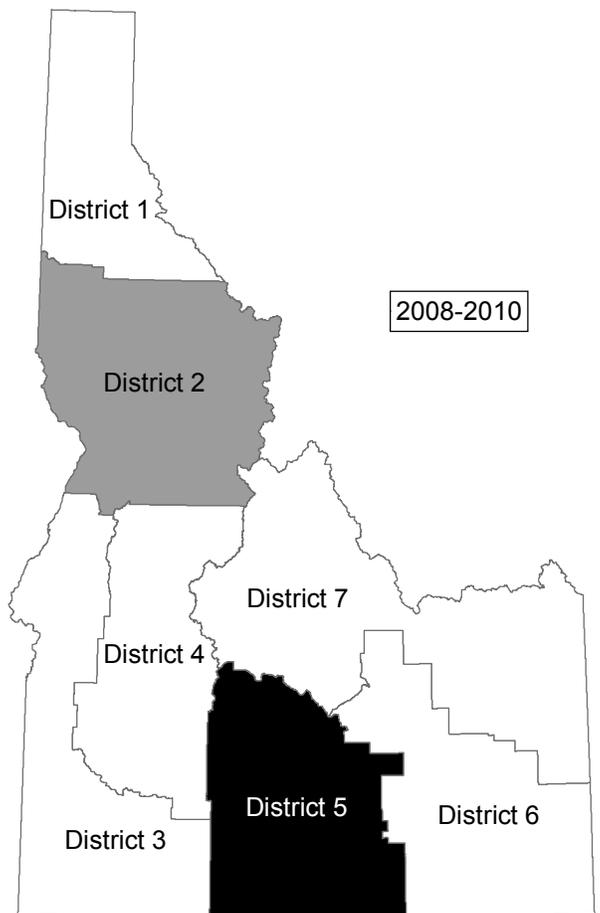
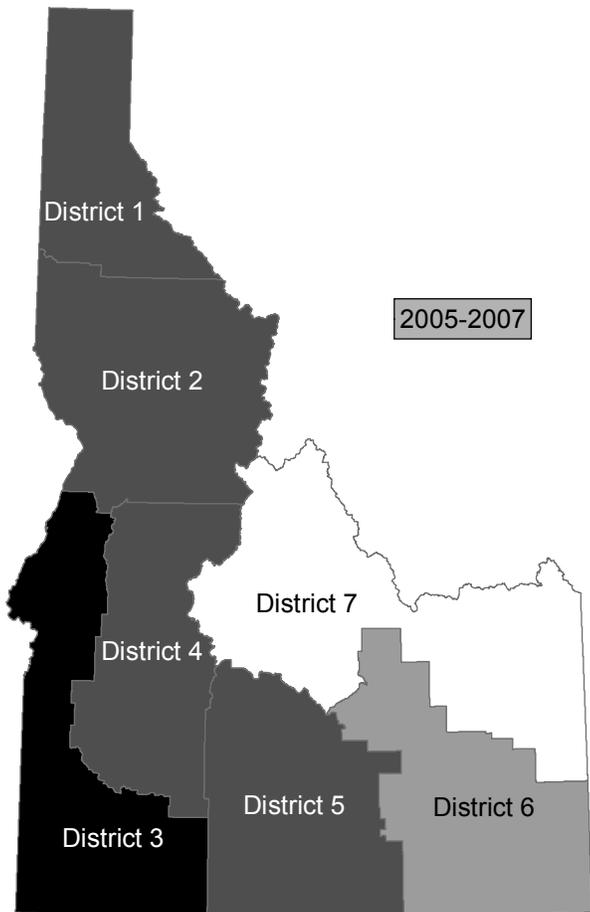
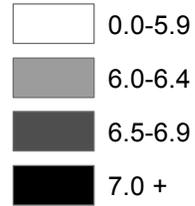
This category is included in other select causes of death.

For additional information regarding ICD-10 codes and/or age-adjustment, see Technical notes at the end of the report.

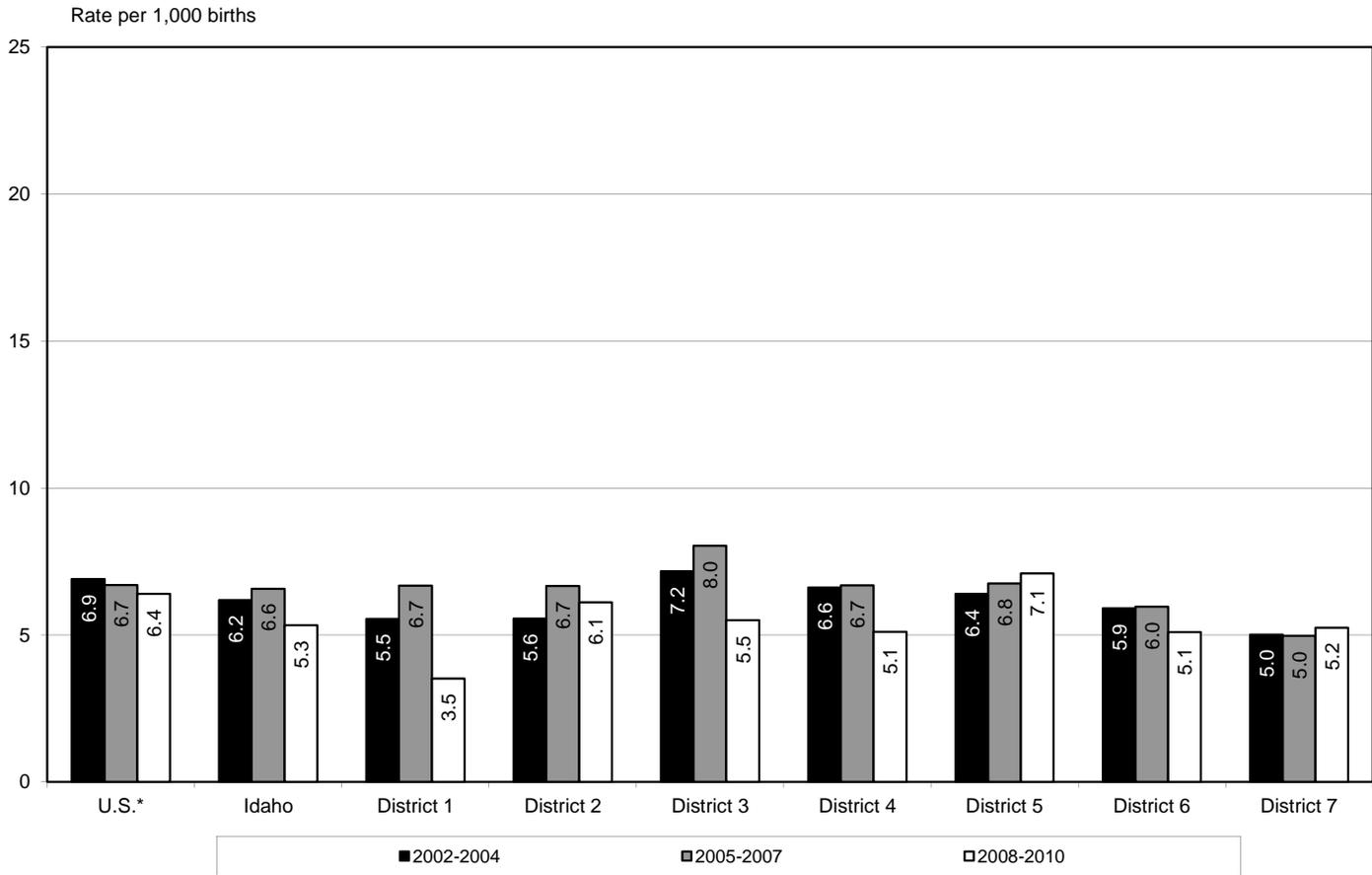
Idaho Resident Deaths by District  
 Infant Deaths  
 Three-Year Infant Mortality Rates  
 2002-2004, 2005-2007, and 2008-2010



**Infant Mortality Rate  
 Per 1,000 Births**



U.S., Idaho and District Resident Deaths  
 Infant Deaths  
 Three-Year Infant Mortality Rates  
 2002-2004, 2005-2007, and 2008-2010



\*U.S. infant mortality rate in 2003, 2006, and 2009.

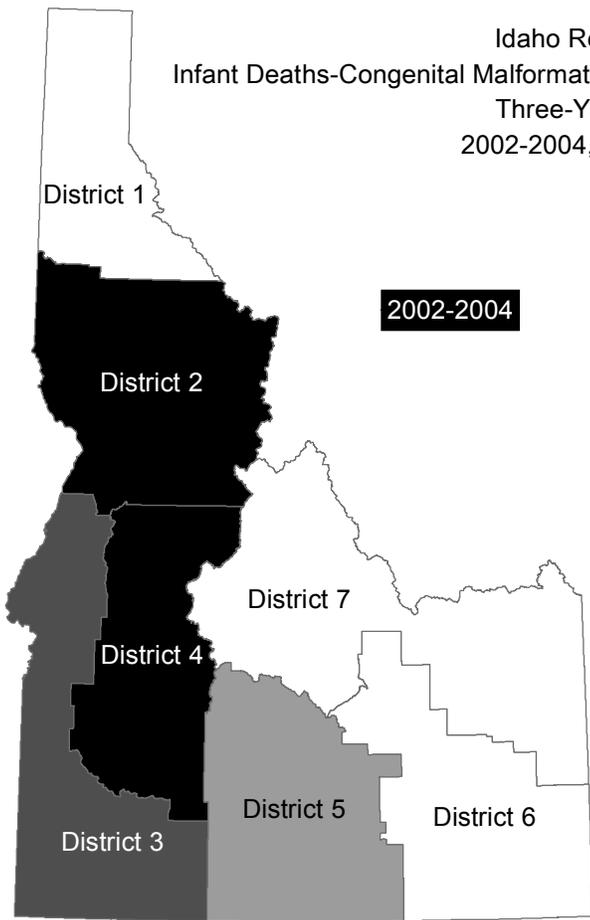
		Idaho	District 1	District 2	District 3	District 4	District 5	District 6	District 7
2002-2004	Deaths	404	38	19	83	114	52	50	48
	Rate <sup>1</sup>	6.2	5.5	5.6	7.2	6.6	6.4	5.9	5.0
	95% CI <sup>2</sup>	5.6 - 6.8	3.9 - 7.6	3.3 - 8.7	5.7 - 8.9	5.4 - 7.8	4.8 - 8.4	4.4 - 7.8	3.7 - 6.6
2005-2007	Deaths	475	49	23	106	127	60	52	58
	Rate <sup>1</sup>	6.6	6.7	6.7	8.0	6.7	6.8	6.0	5.0
	95% CI <sup>2</sup>	6.0 - 7.2	4.9 - 8.8	4.2 - 10.0	6.5 - 9.6	5.5 - 7.9	5.2 - 8.7	4.5 - 7.8	3.8 - 6.4
2008-2010	Deaths	384	27	22	68	92	65	45	65
	Rate <sup>1</sup>	5.3	3.5	6.1	5.5	5.1	7.1	5.1	5.2
	95% CI <sup>2</sup>	4.8 - 5.9	2.3 - 5.1	3.8 - 9.2	4.3 - 7.0	4.1 - 6.3	5.5 - 9.0	3.7 - 6.8	4.0 - 6.7

1. Total number of infant deaths and three-year infant death rate per 1,000 births. Infant death is death to infant aged less than one year.
2. 95 percent confidence interval. This interval can be interpreted to mean that there is a 95 percent certainty the true infant death rate falls within the confidence interval.

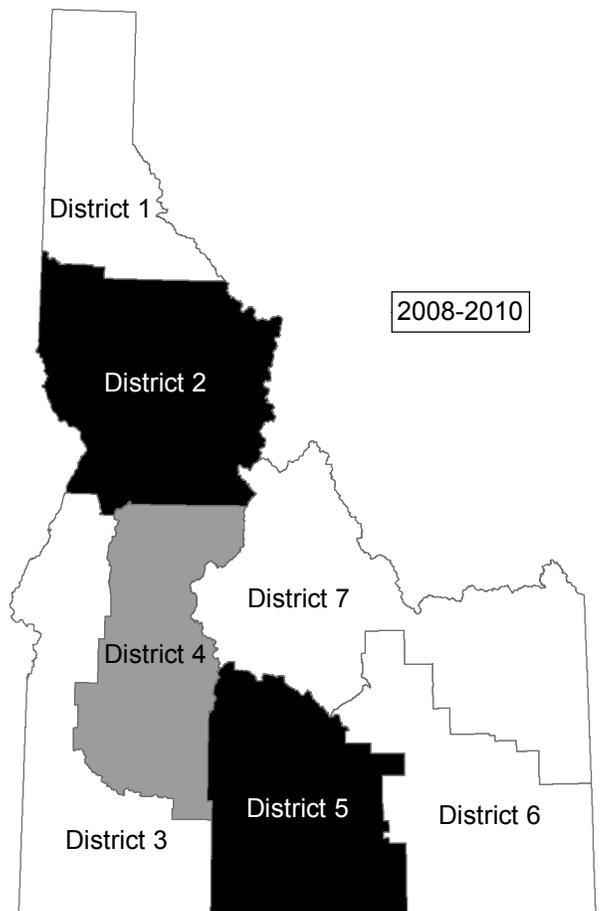
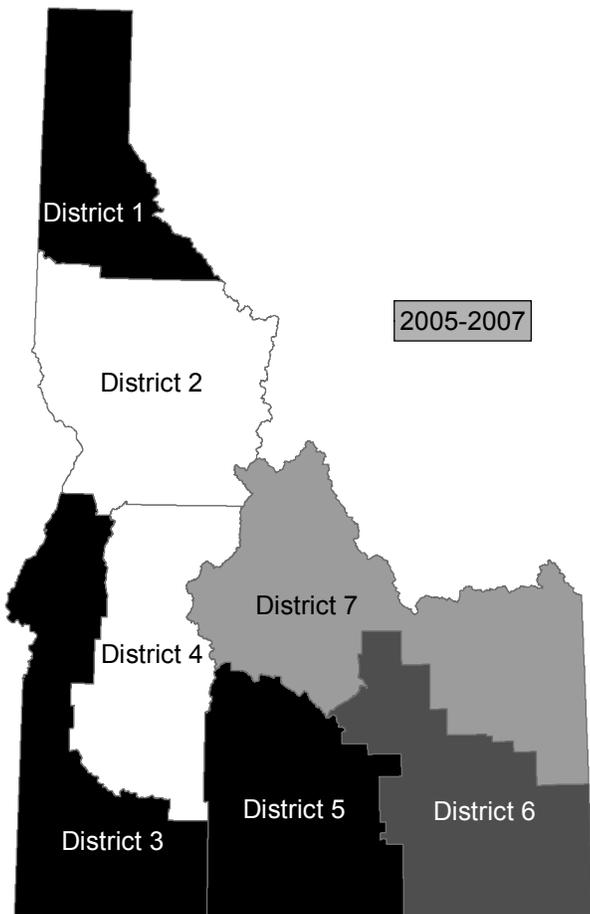
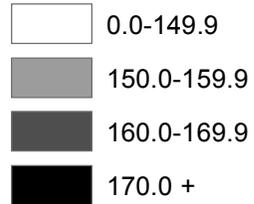
Caution should be exercised when interpreting rates based on small numbers (<20 deaths).

For additional information regarding ICD-10 codes and/or age-adjustment, see Technical notes at the end of the report.

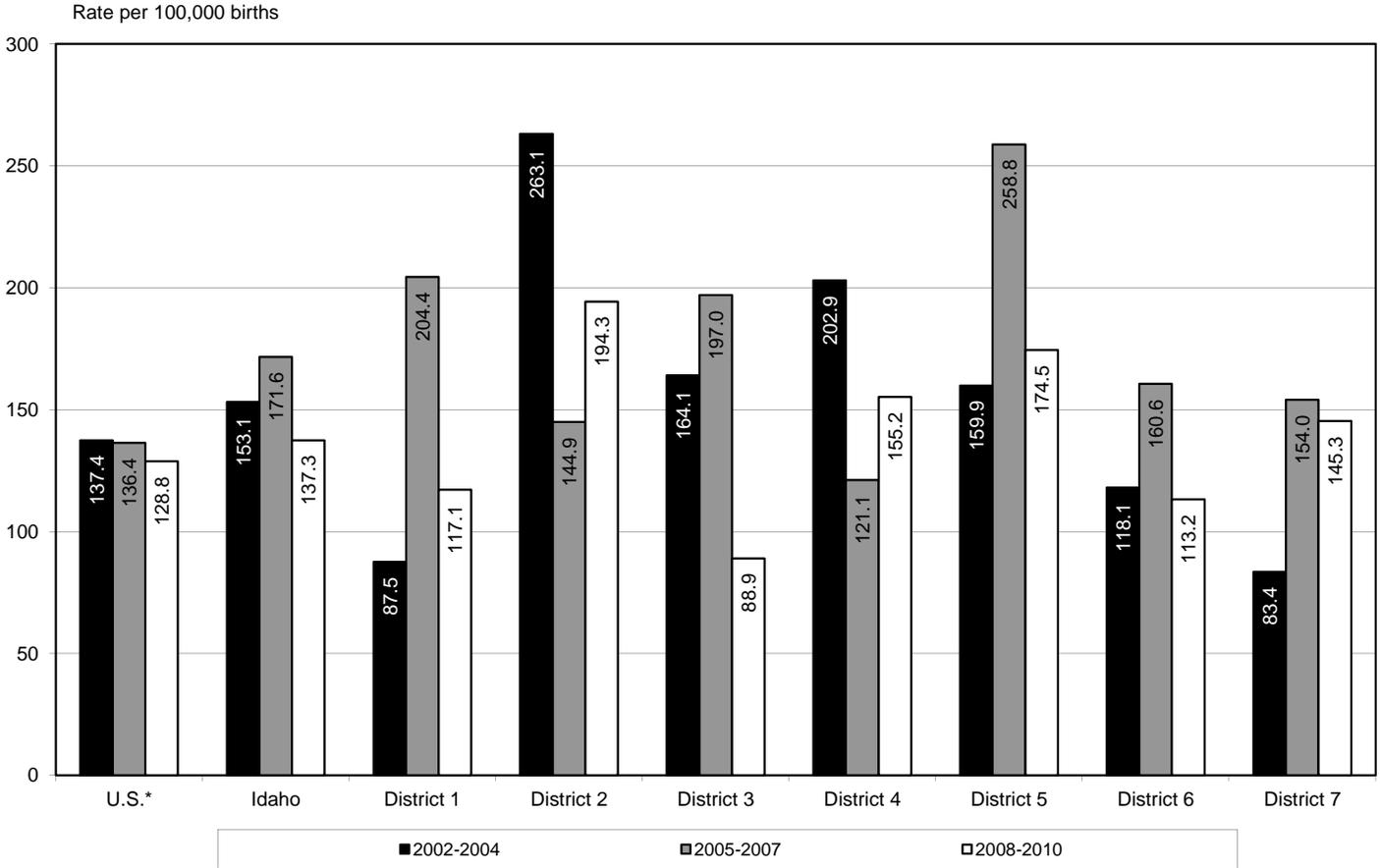
Idaho Resident Deaths by District  
 Infant Deaths-Congenital Malformations, Deformations, and Chromosomal Abnormalities  
 Three-Year Infant Mortality Rates  
 2002-2004, 2005-2007, and 2008-2010



**Infant Death Rate  
 Per 100,000 Births**



U.S., Idaho and District Resident Deaths  
 Infant Deaths-Congenital Malformations, Deformations and Chromosomal Abnormalities  
 Three-Year Infant Mortality Rates  
 2002-2004, 2005-2007, and 2008-2010



\*U.S. infant mortality rate in 2003, 2006, and 2009.

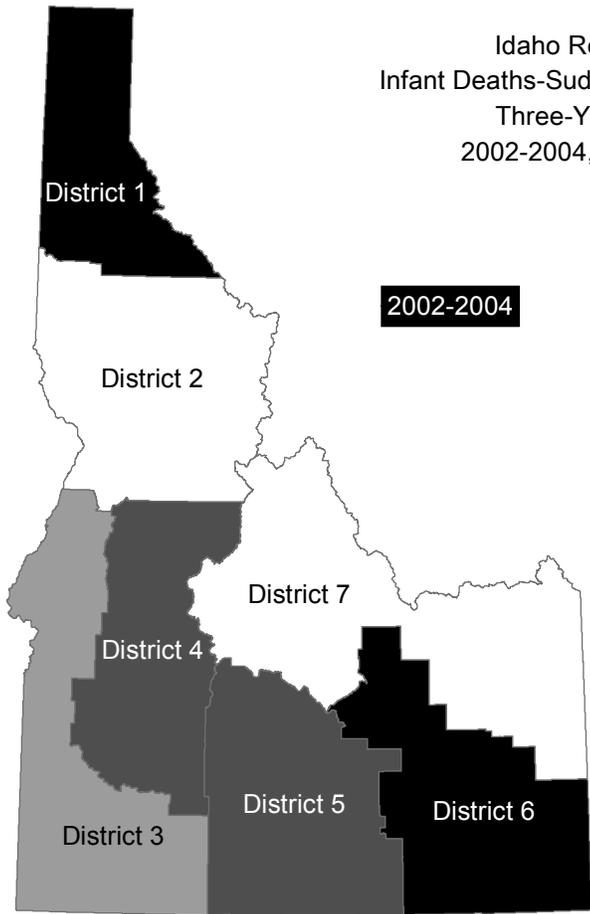
		Idaho	District 1	District 2	District 3	District 4	District 5	District 6	District 7
2002-2004	Deaths	100	6	9	19	35	13	10	8
	Rate <sup>1</sup>	153.1	87.5	263.1	164.1	202.9	159.9	118.1	83.4
	95% CI <sup>2</sup>	123.1 - 183.2	32.1 - 190.4	120.3 - 499.4	98.8 - 256.2	141.4 - 282.2	85.1 - 273.4	56.6 - 217.1	36.0 - 164.4
2005-2007	Deaths	124	15	5	26	23	23	14	18
	Rate <sup>1</sup>	171.6	204.4	144.9	197.0	121.1	258.8	160.6	154.0
	95% CI <sup>2</sup>	141.3 - 201.8	114.4 - 337.2	47.0 - 338.1	128.7 - 288.7	76.8 - 181.7	164.0 - 388.3	87.8 - 269.4	91.3 - 243.4
2008-2010	Deaths	99	9	7	11	28	16	10	18
	Rate <sup>1</sup>	137.3	117.1	194.3	88.9	155.2	174.5	113.2	145.3
	95% CI <sup>2</sup>	111.6 - 167.2	53.6 - 222.3	78.1 - 400.3	44.4 - 159.1	103.1 - 224.3	99.7 - 283.3	54.3 - 208.2	86.1 - 229.7

1. Total number of infant deaths and three-year infant death rate per 100,000 births. Infant death is death to infant aged less than one year.
2. 95 percent confidence interval. This interval can be interpreted to mean that there is a 95 percent certainty the true infant death rate falls within the confidence interval.

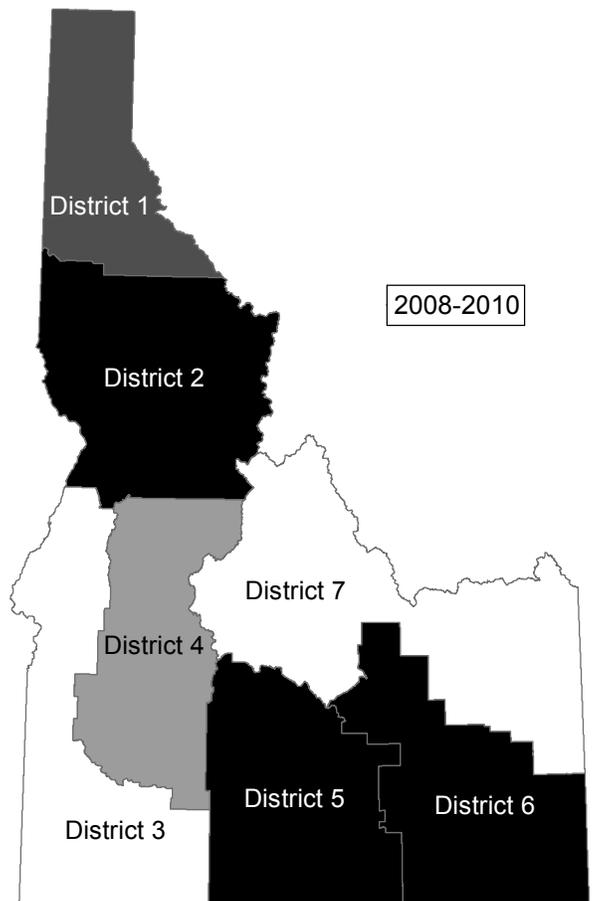
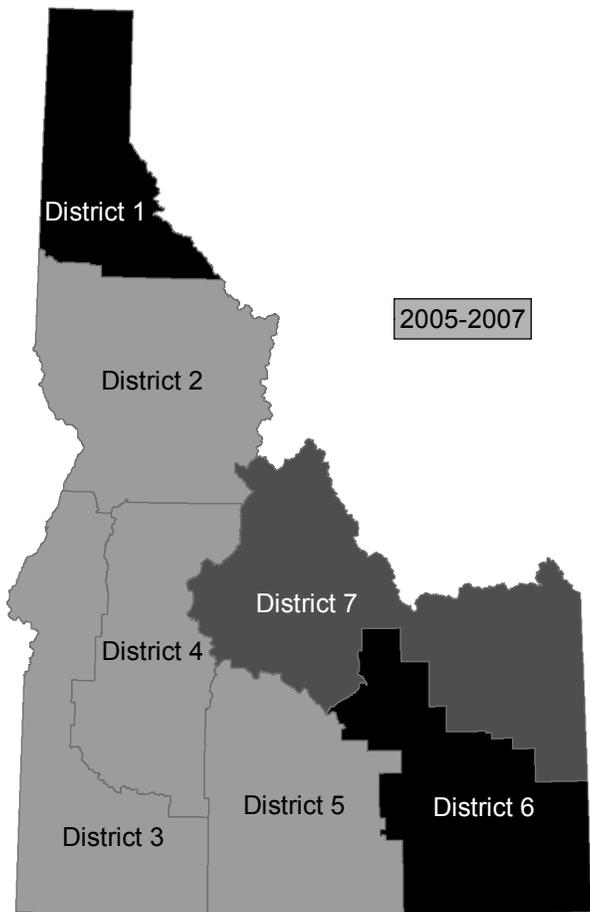
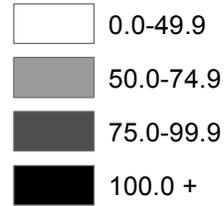
Caution should be exercised when interpreting rates based on small numbers (<20 deaths).

For additional information regarding ICD-10 codes and/or age-adjustment, see Technical notes at the end of the report.

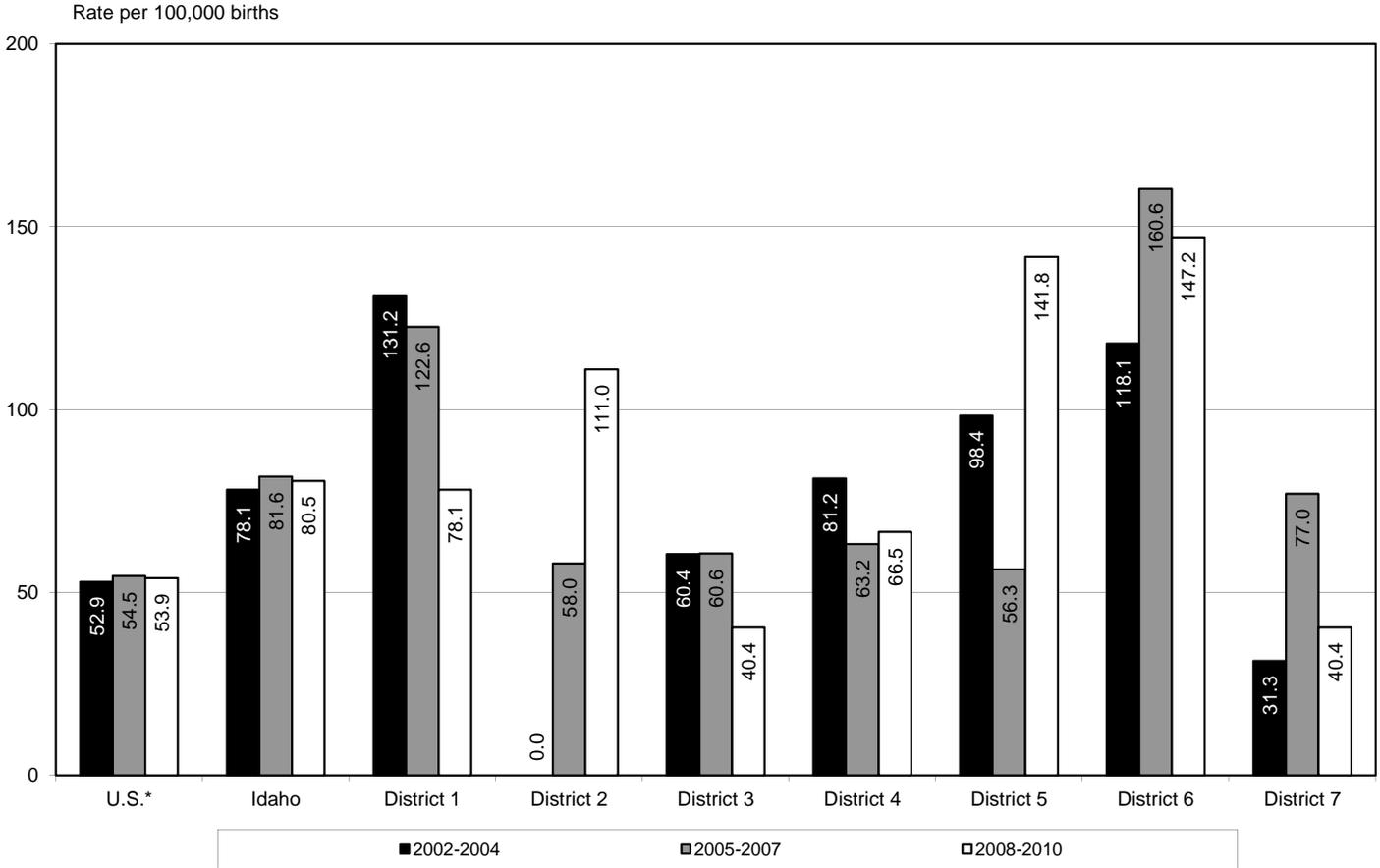
Idaho Resident Deaths by District  
 Infant Deaths-Sudden Infant Death Syndrome (SIDS)  
 Three-Year Infant Mortality Rates  
 2002-2004, 2005-2007, and 2008-2010



**Infant Death Rate  
 Per 100,000 Births**



U.S., Idaho and District Resident Deaths  
 Infant Deaths-Sudden Infant Death Syndrome (SIDS)  
 Three-Year Infant Mortality Rates  
 2002-2004, 2005-2007, and 2008-2010



\*U.S. infant mortality rate in 2003, 2006, and 2009.

		Idaho	District 1	District 2	District 3	District 4	District 5	District 6	District 7
2002-2004	Deaths	51	9	0	7	14	8	10	3
	Rate <sup>1</sup>	78.1	131.2	0.0	60.4	81.2	98.4	118.1	31.3
	95% CI <sup>2</sup>	58.2 - 102.7	60.0 - 249.1	0.0 - 87.7	24.3 - 124.5	44.4 - 136.2	42.5 - 193.8	56.6 - 217.1	6.5 - 91.4
2005-2007	Deaths	59	9	2	8	12	5	14	9
	Rate <sup>1</sup>	81.6	122.6	58.0	60.6	63.2	56.3	160.6	77.0
	95% CI <sup>2</sup>	62.1 - 105.3	56.1 - 232.8	7.0 - 209.3	26.2 - 119.5	32.7 - 110.4	18.3 - 131.3	87.8 - 269.4	35.2 - 146.2
2008-2010	Deaths	58	6	4	5	12	13	13	5
	Rate <sup>1</sup>	80.5	78.1	111.0	40.4	66.5	141.8	147.2	40.4
	95% CI <sup>2</sup>	61.1 - 104.0	28.7 - 170.0	30.2 - 284.3	13.1 - 94.4	34.4 - 116.2	75.5 - 242.4	78.4 - 251.6	13.1 - 94.2

1. Total number of infant deaths and three-year infant death rate per 100,000 births. Infant death is death to infant aged less than one year.
2. 95 percent confidence interval. This interval can be interpreted to mean that there is a 95 percent certainty the true infant death rate falls within the confidence interval.

Caution should be exercised when interpreting rates based on small numbers (<20 deaths).

For additional information regarding ICD-10 codes and/or age-adjustment, see Technical notes at the end of the report.

Idaho and District 1 Resident Live Births  
Three-Year Percentages, 2008-2010

Nativity Indicator	Idaho Percent of Births	District 1 Percent of Births		
		District 1 is Significantly Higher than the State	District 1 Does Not Differ Significantly from the State	District 1 is Significantly Lower than the State
First Trimester Prenatal Care <sup>1</sup>	71.5		70.1	
Preterm Births <sup>2</sup>	10.1			8.4
Low Birthweight <sup>3</sup>	6.6			5.9
Births to Unmarried Mothers <sup>4</sup>	25.8	32.5		
Smoking During Pregnancy <sup>5</sup>	11.7	19.4		

1. First trimester prenatal care is a positive indicator. The percent of mothers receiving first trimester prenatal care in District 1 was significantly higher than the state.
2. Percentages are based on records with known data for gestation. Preterm: Babies born prior to 37 completed weeks of gestation.
3. Percentages are based on records with known data for birthweight. Low Birthweight: Babies born weighing less than 2,500 grams.
4. Percentages are based on records with known marital status.
5. Percentages are based on records with known data for smoking during pregnancy.

Idaho and District 1 Resident Teen Pregnancy Rate  
Three-Year Average Annual Rate per 1,000 females aged 15-17, 2008-2010

	Idaho Rate Per 1,000 females	District 1 Rate per 1,000 females		
		District 1 is Significantly Higher than State	District 1 Does Not Differ Significantly from the State	District 1 is Significantly Lower than the State
Teen Pregnancy Rate <sup>1</sup>	21.2			18.7

1. Teen Pregnancy Rate: Total number of pregnancies for teens age 15-17 per 1,000 females aged 15-17.

Idaho and District 1 Resident Deaths  
Three-Year Average Annual Age-Adjusted Death Rates, 2008-2010

Cause of Death	Idaho Average Annual Age-Adjusted Death Rate <sup>1</sup>	District 1		
		Average Annual Age-Adjusted Death Rate <sup>1</sup>		
		District 1 Rate is Significantly Higher than the State Rate	District 1 Rate Does Not Differ Significantly from the State Rate	District 1 Rate is Significantly Lower than the State Rate
Diseases of heart	155.1		153.9	
Malignant neoplasms	161.4	184.1		
Trachea, bronchus and lung	40.7	47.5		
Colon, rectum and anus	13.8	16.8		
Breast (female)	22.1		25.5	
Prostate (male)	25.3		25.1	
Cerebrovascular diseases (stroke)	40.8	50.7		
Chronic lower respiratory diseases	47.6	55.0		
Accidents (unintentional injury)	42.7		47.4	
Motor vehicle accidents	15.2		15.9	
Diabetes mellitus	23.4		25.9	
Alzheimer's disease	25.7		27.0	
Influenza and pneumonia	13.6			9.8
Intentional self-harm (suicide)	18.7		21.1	
Chronic liver disease and cirrhosis	9.4	11.9		
Nephritis, nephrotic syndrome and nephrosis	11.9		12.5	
Assault (homicide)	1.5		2.5	
Injury by firearms	12.3		14.2	
Alcohol-induced mortality	10.7	13.3		
Drug-induced mortality	11.9		12.1	

1. Average annual age-adjusted rate per 100,000 population, with the exception of the female breast cancer rate which is per 100,000 females and prostate cancer rate which is per 100,000 males.

Infant Deaths	Idaho Rate	District 1		
		District 1 Rate is Significantly Higher than the State Rate	District 1 Rate Does Not Differ Significantly from the State Rate	District 1 Rate is Significantly Lower than the State Rate
Infant death rate per 1,000 births <sup>1</sup>	5.3			3.5
Congenital malformations, deformations and chromosomal abnormalities <sup>2</sup>	137.3		117.1	
Sudden infant death syndrome (SIDS) <sup>2</sup>	80.5		78.1	

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

2. Cause-specific infant death rate: Number of infant deaths by cause per 100,000 live births.

Special Note: Infant death rates are based on small numbers (<20 deaths) and are subject to wide variability in the confidence interval on the rate. For more information, see Technical Notes.

Note: See technical notes for information on age-adjusted rates and testing for significance.

Idaho and District 2 Resident Live Births  
Three-Year Percentages, 2008-2010

Nativity Indicator	Idaho Percent of Births	District 2 Percent of Births		
		District 2 is Significantly Higher than the State	District 2 Does Not Differ Significantly from the State	District 2 is Significantly Lower than the State
First Trimester Prenatal Care <sup>1</sup>	71.5		70.0	
Preterm Births <sup>2</sup>	10.1			7.6
Low Birthweight <sup>3</sup>	6.6			5.5
Births to Unmarried Mothers <sup>4</sup>	25.8	27.9		
Smoking During Pregnancy <sup>5</sup>	11.7	16.0		

1. First trimester prenatal care is a positive indicator. The percent of mothers receiving first trimester prenatal care in District 2 was significantly lower or worse than the state.
2. Percentages are based on records with known data for gestation. Preterm: Babies born prior to 37 completed weeks of gestation.
3. Percentages are based on records with known data for birthweight. Low Birthweight: Babies born weighing less than 2,500 grams.
4. Percentages are based on records with known marital status.
5. Percentages are based on records with known data for smoking during pregnancy.

Idaho and District 2 Resident Teen Pregnancy Rate  
Three-Year Average Annual Rate per 1,000 females aged 15-17, 2008-2010

	Idaho Rate Per 1,000 females	District 2 Rate per 1,000 females		
		District 2 is Significantly Higher than State	District 2 Does Not Differ Significantly from the State	District 2 is Significantly Lower than the State
Teen Pregnancy Rate <sup>1</sup>	21.2		18.5	

1. Teen Pregnancy Rate: Total number of pregnancies for teens age 15-17 per 1,000 females aged 15-17.

Idaho and District 2 Resident Deaths  
Three-Year Average Annual Age-Adjusted Death Rates, 2008-2010

Cause of Death	Idaho Average Annual Age-Adjusted Death Rate <sup>1</sup>	District 2		
		Average Annual Age-Adjusted Death Rate <sup>1</sup>		
		District 2 Rate is Significantly Higher than the State Rate	District 2 Rate Does Not Differ Significantly from the State Rate	District 2 Rate is Significantly Lower than the State Rate
Diseases of heart	155.1		166.3	
Malignant neoplasms	161.4		168.4	
Trachea, bronchus and lung	40.7		46.1	
Colon, rectum and anus	13.8		10.2	
Breast (female)	22.1		23.3	
Prostate (male)	25.3		25.7	
Cerebrovascular diseases (stroke)	40.8		38.6	
Chronic lower respiratory diseases	47.6		49.8	
Accidents (unintentional injury)	42.7	56.5		
Motor vehicle accidents	15.2		18.9	
Diabetes mellitus	23.4		20.0	
Alzheimer's disease	25.7		23.8	
Influenza and pneumonia	13.6	20.6		
Intentional self-harm (suicide)	18.7		15.3	
Chronic liver disease and cirrhosis	9.4		9.8	
Nephritis, nephrotic syndrome and nephrosis	11.9		10.0	
Assault (homicide)	1.5		1.6	
Injury by firearms	12.3		14.6	
Alcohol-induced mortality	10.7		11.2	
Drug-induced mortality	11.9		11.4	

1. Average annual age-adjusted rate per 100,000 population, with the exception of the female breast cancer rate which is per 100,000 females and prostate cancer rate which is per 100,000 males.

Infant Deaths	Idaho Rate	District 2		
		District 2 Rate is Significantly Higher than the State Rate	District 2 Rate Does Not Differ Significantly from the State Rate	District 2 Rate is Significantly Lower than the State Rate
Infant death rate per 1,000 births <sup>1</sup>	5.3		6.1	
Congenital malformations, deformations and chromosomal abnormalities <sup>2</sup>	137.3		194.3	
Sudden infant death syndrome (SIDS) <sup>2</sup>	80.5		111.0	

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

2. Cause-specific infant death rate: Number of infant deaths by cause per 100,000 live births.

Special Note: Infant death rates are based on small numbers (<20 deaths) and are subject to wide variability in the confidence interval on the rate. For more information, see Technical Notes.

Note: See technical notes for information on age-adjusted rates and testing for significance.

Idaho and District 3 Resident Live Births  
Three-Year Percentages, 2008-2010

Nativity Indicator	Idaho Percent of Births	District 3 Percent of Births		
		District 3 is Significantly Higher than the State	District 3 Does Not Differ Significantly from the State	District 3 is Significantly Lower than the State
First Trimester Prenatal Care <sup>1</sup>	71.5			64.5
Preterm Births <sup>2</sup>	10.1		10.3	
Low Birthweight <sup>3</sup>	6.6			6.1
Births to Unmarried Mothers <sup>4</sup>	25.8	31.4		
Smoking During Pregnancy <sup>5</sup>	11.7		11.7	

1. First trimester prenatal care is a positive indicator. The percent of mothers receiving first trimester prenatal care in District 3 was significantly lower or worse than the state.
2. Percentages are based on records with known data for gestation. Preterm: Babies born prior to 37 completed weeks of gestation.
3. Percentages are based on records with known data for birthweight. Low Birthweight: Babies born weighing less than 2,500 grams.
4. Percentages are based on records with known marital status.
5. Percentages are based on records with known data for smoking during pregnancy.

Idaho and District 3 Resident Teen Pregnancy Rate  
Three-Year Average Annual Rate per 1,000 females aged 15-17, 2008-2010

	Idaho Rate Per 1,000 females	District 3 Rate per 1,000 females		
		District 3 is Significantly Higher than State	District 3 Does Not Differ Significantly from the State	District 3 is Significantly Lower than the State
Teen Pregnancy Rate <sup>1</sup>	21.2	30.3		

1. Teen Pregnancy Rate: Total number of pregnancies for teens age 15-17 per 1,000 females aged 15-17.

Idaho and District 3 Resident Deaths  
Three-Year Average Annual Age-Adjusted Death Rates, 2008-2010

Cause of Death	Idaho Average Annual Age-Adjusted Death Rate <sup>1</sup>	District 3		
		Average Annual Age-Adjusted Death Rate <sup>1</sup>		
		District 3 Rate is Significantly Higher than the State Rate	District 3 Rate Does Not Differ Significantly from the State Rate	District 3 Rate is Significantly Lower than the State Rate
Diseases of heart	155.1		155.2	
Malignant neoplasms	161.4		164.4	
Trachea, bronchus and lung	40.7		44.7	
Colon, rectum and anus	13.8		14.5	
Breast (female)	22.1		22.0	
Prostate (male)	25.3		25.3	
Cerebrovascular diseases (stroke)	40.8		38.9	
Chronic lower respiratory diseases	47.6		48.9	
Accidents (unintentional injury)	42.7		41.8	
Motor vehicle accidents	15.2		16.7	
Diabetes mellitus	23.4		21.4	
Alzheimer's disease	25.7		25.5	
Influenza and pneumonia	13.6		14.1	
Intentional self-harm (suicide)	18.7			15.5
Chronic liver disease and cirrhosis	9.4		10.3	
Nephritis, nephrotic syndrome and nephrosis	11.9		12.4	
Assault (homicide)	1.5		0.9	
Injury by firearms	12.3		10.6	
Alcohol-induced mortality	10.7		10.4	
Drug-induced mortality	11.9		11.5	

1. Average annual age-adjusted rate per 100,000 population, with the exception of the female breast cancer rate which is per 100,000 females and prostate cancer rate which is per 100,000 males.

Infant Deaths	Idaho Rate	District 3		
		District 3 Rate is Significantly Higher than the State Rate	District 3 Rate Does Not Differ Significantly from the State Rate	District 3 Rate is Significantly Lower than the State Rate
Infant death rate per 1,000 births <sup>1</sup>	5.3		5.5	
Congenital malformations, deformations and chromosomal abnormalities <sup>2</sup>	137.3		88.9	
Sudden infant death syndrome (SIDS) <sup>2</sup>	80.5		40.4	

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

2. Cause-specific infant death rate: Number of infant deaths by cause per 100,000 live births.

Special Note: Infant death rates are based on small numbers (<20 deaths) and are subject to wide variability in the confidence interval on the rate. For more information, see Technical Notes.

Note: See technical notes for information on age-adjusted rates and testing for significance.

Idaho and District 4 Resident Live Births  
Three-Year Percentages, 2008-2010

Nativity Indicator	Idaho Percent of Births	District 4 Percent of Births		
		District 4 is Significantly Higher than the State	District 4 Does Not Differ Significantly from the State	District 4 is Significantly Lower than the State
First Trimester Prenatal Care <sup>1</sup>	71.5	76.9		
Preterm Births <sup>2</sup>	10.1			9.0
Low Birthweight <sup>3</sup>	6.6		6.5	
Births to Unmarried Mothers <sup>4</sup>	25.8			23.1
Smoking During Pregnancy <sup>5</sup>	11.7			11.1

1. First trimester prenatal care is a positive indicator. The percent of mothers receiving first trimester prenatal care in District 4 was significantly higher than the state.
2. Percentages are based on records with known data for gestation. Preterm: Babies born prior to 37 completed weeks of gestation.
3. Percentages are based on records with known data for birthweight. Low Birthweight: Babies born weighing less than 2,500 grams.
4. Percentages are based on records with known marital status.
5. Percentages are based on records with known data for smoking during pregnancy.

Idaho and District 4 Resident Teen Pregnancy Rate  
Three-Year Average Annual Rate per 1,000 females aged 15-17, 2008-2010

	Idaho Rate Per 1,000 females	District 4 Rate per 1,000 females		
		District 4 is Significantly Higher than State	District 4 Does Not Differ Significantly from the State	District 4 is Significantly Lower than the State
Teen Pregnancy Rate <sup>1</sup>	21.2			14.8

1. Teen Pregnancy Rate: Total number of pregnancies for teens age 15-17 per 1,000 females aged 15-17.

Idaho and District 4 Resident Deaths  
Three-Year Average Annual Age-Adjusted Death Rates, 2008-2010

Cause of Death	Idaho Average Annual Age-Adjusted Death Rate <sup>1</sup>	District 4		
		Average Annual Age-Adjusted Death Rate <sup>1</sup>		
		District 4 Rate is Significantly Higher than the State Rate	District 4 Rate Does Not Differ Significantly from the State Rate	District 4 Rate is Significantly Lower than the State Rate
Diseases of heart	155.1			139.6
Malignant neoplasms	161.4		155.2	
Trachea, bronchus and lung	40.7		41.7	
Colon, rectum and anus	13.8		12.4	
Breast (female)	22.1		21.7	
Prostate (male)	25.3		22.4	
Cerebrovascular diseases (stroke)	40.8			34.4
Chronic lower respiratory diseases	47.6		47.6	
Accidents (unintentional injury)	42.7			30.2
Motor vehicle accidents	15.2			9.2
Diabetes mellitus	23.4			17.8
Alzheimer's disease	25.7	31.8		
Influenza and pneumonia	13.6			10.6
Intentional self-harm (suicide)	18.7			15.3
Chronic liver disease and cirrhosis	9.4			7.6
Nephritis, nephrotic syndrome and nephrosis	11.9			9.9
Assault (homicide)	1.5		1.2	
Injury by firearms	12.3			9.2
Alcohol-induced mortality	10.7		9.4	
Drug-induced mortality	11.9		11.6	

1. Average annual age-adjusted rate per 100,000 population, with the exception of the female breast cancer rate which is per 100,000 females and prostate cancer rate which is per 100,000 males.

Infant Deaths	Idaho Rate	District 4		
		District 4 Rate is Significantly Higher than the State Rate	District 4 Rate Does Not Differ Significantly from the State Rate	District 4 Rate is Significantly Lower than the State Rate
Infant death rate per 1,000 births <sup>1</sup>	5.3		5.1	
Congenital malformations, deformations and chromosomal abnormalities <sup>2</sup>	137.3		155.2	
Sudden infant death syndrome (SIDS) <sup>2</sup>	80.5		66.5	

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

2. Cause-specific infant death rate: Number of infant deaths by cause per 100,000 live births.

Special Note: Infant death rates are based on small numbers (<20 deaths) and are subject to wide variability in the confidence interval on the rate. For more information, see Technical Notes.

Note: See technical notes for information on age-adjusted rates and testing for significance.

Idaho and District 5 Resident Live Births  
Three-Year Percentages, 2008-2010

Nativity Indicator	Idaho Percent of Births	District 5 Percent of Births		
		District 5 is Significantly Higher than the State	District 5 Does Not Differ Significantly from the State	District 5 is Significantly Lower than the State
First Trimester Prenatal Care <sup>1</sup>	71.5			66.0
Preterm Births <sup>2</sup>	10.1	11.9		
Low Birthweight <sup>3</sup>	6.6	7.3		
Births to Unmarried Mothers <sup>4</sup>	25.8	31.3		
Smoking During Pregnancy <sup>5</sup>	11.7		11.8	

1. First trimester prenatal care is a positive indicator. The percent of mothers receiving first trimester prenatal care in District 5 was significantly lower or worse than the state.
2. Percentages are based on records with known data for gestation. Preterm: Babies born prior to 37 completed weeks of gestation.
3. Percentages are based on records with known data for birthweight. Low Birthweight: Babies born weighing less than 2,500 grams.
4. Percentages are based on records with known marital status.
5. Percentages are based on records with known data for smoking during pregnancy.

Idaho and District 5 Resident Teen Pregnancy Rate  
Three-Year Average Annual Rate per 1,000 females aged 15-17, 2008-2010

	Idaho Rate Per 1,000 females	District 5 Rate per 1,000 females		
		District 5 is Significantly Higher than State	District 5 Does Not Differ Significantly from the State	District 5 is Significantly Lower than the State
Teen Pregnancy Rate <sup>1</sup>	21.2	31.6		

1. Teen Pregnancy Rate: Total number of pregnancies for teens age 15-17 per 1,000 females aged 15-17.

Idaho and District 5 Resident Deaths  
Three-Year Average Annual Age-Adjusted Death Rates, 2008-2010

Cause of Death	Idaho Average Annual Age-Adjusted Death Rate <sup>1</sup>	District 5		
		Average Annual Age-Adjusted Death Rate <sup>1</sup>		
		District 5 Rate is Significantly Higher than the State Rate	District 5 Rate Does Not Differ Significantly from the State Rate	District 5 Rate is Significantly Lower than the State Rate
Diseases of heart	155.1			143.1
Malignant neoplasms	161.4		160.8	
Trachea, bronchus and lung	40.7		40.6	
Colon, rectum and anus	13.8		12.8	
Breast (female)	22.1		23.3	
Prostate (male)	25.3		29.0	
Cerebrovascular diseases (stroke)	40.8		40.6	
Chronic lower respiratory diseases	47.6		48.4	
Accidents (unintentional injury)	42.7		46.0	
Motor vehicle accidents	15.2	22.4		
Diabetes mellitus	23.4		24.3	
Alzheimer's disease	25.7		26.4	
Influenza and pneumonia	13.6		15.7	
Intentional self-harm (suicide)	18.7		22.9	
Chronic liver disease and cirrhosis	9.4		9.2	
Nephritis, nephrotic syndrome and nephrosis	11.9		12.7	
Assault (homicide)	1.5		2.0	
Injury by firearms	12.3		12.7	
Alcohol-induced mortality	10.7		9.5	
Drug-induced mortality	11.9		12.6	

1. Average annual age-adjusted rate per 100,000 population, with the exception of the female breast cancer rate which is per 100,000 females and prostate cancer rate which is per 100,000 males.

Infant Deaths	Idaho Rate	District 5		
		District 5 Rate is Significantly Higher than the State Rate	District 5 Rate Does Not Differ Significantly from the State Rate	District 5 Rate is Significantly Lower than the State Rate
Infant death rate per 1,000 births <sup>1</sup>	5.3	7.1		
Congenital malformations, deformations and chromosomal abnormalities <sup>2</sup>	137.3		174.5	
Sudden infant death syndrome (SIDS) <sup>2</sup>	80.5		141.8	

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

2. Cause-specific infant death rate: Number of infant deaths by cause per 100,000 live births.

Special Note: Infant death rates are based on small numbers (<20 deaths) and are subject to wide variability in the confidence interval on the rate. For more information, see Technical Notes.

Note: See technical notes for information on age-adjusted rates and testing for significance.

Idaho and District 6 Resident Live Births  
Three-Year Percentages, 2008-2010

Nativity Indicator	Idaho Percent of Births	District 6 Percent of Births		
		District 6 is Significantly Higher than the State	District 6 Does Not Differ Significantly from the State	District 6 is Significantly Lower than the State
First Trimester Prenatal Care <sup>1</sup>	71.5		71.4	
Preterm Births <sup>2</sup>	10.1	11.9		
Low Birthweight <sup>3</sup>	6.6	8.1		
Births to Unmarried Mothers <sup>4</sup>	25.8			23.7
Smoking During Pregnancy <sup>5</sup>	11.7		11.2	

1. First trimester prenatal care is a positive indicator. The percent of mothers receiving first trimester prenatal care in District 6 was not significantly different than the state.
2. Percentages are based on records with known data for gestation. Preterm: Babies born prior to 37 completed weeks of gestation.
3. Percentages are based on records with known data for birthweight. Low Birthweight: Babies born weighing less than 2,500 grams.
4. Percentages are based on records with known marital status.
5. Percentages are based on records with known data for smoking during pregnancy.

Idaho and District 6 Resident Teen Pregnancy Rate  
Three-Year Average Annual Rate per 1,000 females aged 15-17, 2008-2010

	Idaho Rate Per 1,000 females	District 6 Rate per 1,000 females		
		District 6 is Significantly Higher than State	District 6 Does Not Differ Significantly from the State	District 6 is Significantly Lower than the State
Teen Pregnancy Rate <sup>1</sup>	21.2		18.8	

1. Teen Pregnancy Rate: Total number of pregnancies for teens age 15-17 per 1,000 females aged 15-17.

Idaho and District 6 Resident Deaths  
Three-Year Average Annual Age-Adjusted Death Rates, 2008-2010

Cause of Death	Idaho Average Annual Age-Adjusted Death Rate <sup>1</sup>	District 6		
		Average Annual Age-Adjusted Death Rate <sup>1</sup>		
		District 6 Rate is Significantly Higher than the State Rate	District 6 Rate Does Not Differ Significantly from the State Rate	District 6 Rate is Significantly Lower than the State Rate
Diseases of heart	155.1	184.8		
Malignant neoplasms	161.4		152.6	28.4
Trachea, bronchus and lung	40.7			
Colon, rectum and anus	13.8		14.6	
Breast (female)	22.1		20.7	
Prostate (male)	25.3		27.0	
Cerebrovascular diseases (stroke)	40.8		46.0	
Chronic lower respiratory diseases	47.6		43.2	
Accidents (unintentional injury)	42.7		48.5	
Motor vehicle accidents	15.2		18.0	
Diabetes mellitus	23.4	30.2		
Alzheimer's disease	25.7			16.5
Influenza and pneumonia	13.6	21.2		
Intentional self-harm (suicide)	18.7		22.7	
Chronic liver disease and cirrhosis	9.4	12.9		
Nephritis, nephrotic syndrome and nephrosis	11.9	16.9		
Assault (homicide)	1.5		1.0	
Injury by firearms	12.3		15.3	
Alcohol-induced mortality	10.7	15.4		
Drug-induced mortality	11.9		13.6	

1. Average annual age-adjusted rate per 100,000 population, with the exception of the female breast cancer rate which is per 100,000 females and prostate cancer rate which is per 100,000 males.

Infant Deaths	Idaho Rate	District 6		
		District 6 Rate is Significantly Higher than the State Rate	District 6 Rate Does Not Differ Significantly from the State Rate	District 6 Rate is Significantly Lower than the State Rate
Infant death rate per 1,000 births <sup>1</sup>	5.3		5.1	
Congenital malformations, deformations and chromosomal abnormalities <sup>2</sup>	137.3		113.2	
Sudden infant death syndrome (SIDS) <sup>2</sup>	80.5		147.2	

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

2. Cause-specific infant death rate: Number of infant deaths by cause per 100,000 live births.

Special Note: Infant death rates are based on small numbers (<20 deaths) and are subject to wide variability in the confidence interval on the rate. For more information, see Technical Notes.

Note: See technical notes for information on age-adjusted rates and testing for significance.

Idaho and District 7 Resident Live Births  
Three-Year Percentages, 2008-2010

Nativity Indicator	Idaho Percent of Births	District 7 Percent of Births		
		District 7 is Significantly Higher than the State	District 7 Does Not Differ Significantly from the State	District 7 is Significantly Lower than the State
First Trimester Prenatal Care <sup>1</sup>	71.5	76.1		
Preterm Births <sup>2</sup>	10.1		10.4	
Low Birthweight <sup>3</sup>	6.6		6.6	
Births to Unmarried Mothers <sup>4</sup>	25.8			16.7
Smoking During Pregnancy <sup>5</sup>	11.7			7.1

1. First trimester prenatal care is a positive indicator. The percent of mothers receiving first trimester prenatal care in District 7 was significantly higher than the state.
2. Percentages are based on records with known data for gestation. Preterm: Babies born prior to 37 completed weeks of gestation.
3. Percentages are based on records with known data for birthweight. Low Birthweight: Babies born weighing less than 2,500 grams.
4. Percentages are based on records with known marital status.
5. Percentages are based on records with known data for smoking during pregnancy.

Idaho and District 7 Resident Teen Pregnancy Rate  
Three-Year Average Annual Rate per 1,000 females aged 15-17, 2008-2010

	Idaho Rate Per 1,000 females	District 7 Rate per 1,000 females		
		District 7 is Significantly Higher than State	District 7 Does Not Differ Significantly from the State	District 7 is Significantly Lower than the State
Teen Pregnancy Rate <sup>1</sup>	21.2			17.6

1. Teen Pregnancy Rate: Total number of pregnancies for teens age 15-17 per 1,000 females aged 15-17.

Idaho and District 7 Resident Deaths  
Three-Year Average Annual Age-Adjusted Death Rates, 2008-2010

Cause of Death	Idaho Average Annual Age-Adjusted Death Rate <sup>1</sup>	District 7		
		Average Annual Age-Adjusted Death Rate <sup>1</sup>		
		District 7 Rate is Significantly Higher than the State Rate	District 7 Rate Does Not Differ Significantly from the State Rate	District 7 Rate is Significantly Lower than the State Rate
Diseases of heart	155.1	170.9		
Malignant neoplasms	161.4			143.3
Trachea, bronchus and lung	40.7			30.1
Colon, rectum and anus	13.8		14.1	
Breast (female)	22.1		18.0	
Prostate (male)	25.3		25.2	
Cerebrovascular diseases (stroke)	40.8		42.4	
Chronic lower respiratory diseases	47.6			37.7
Accidents (unintentional injury)	42.7	50.7		
Motor vehicle accidents	15.2		15.7	
Diabetes mellitus	23.4	31.2		
Alzheimer's disease	25.7			20.6
Influenza and pneumonia	13.6			10.0
Intentional self-harm (suicide)	18.7		21.7	
Chronic liver disease and cirrhosis	9.4			5.6
Nephritis, nephrotic syndrome and nephrosis	11.9		11.1	
Assault (homicide)	1.5		1.6	
Injury by firearms	12.3		15.3	
Alcohol-induced mortality	10.7		8.0	
Drug-induced mortality	11.9		12.0	

1. Average annual age-adjusted rate per 100,000 population, with the exception of the female breast cancer rate which is per 100,000 females and prostate cancer rate which is per 100,000 males.

Infant Deaths	Idaho Rate	District 7		
		District 7 Rate is Significantly Higher than the State Rate	District 7 Rate Does Not Differ Significantly from the State Rate	District 7 Rate is Significantly Lower than the State Rate
Infant death rate per 1,000 births <sup>1</sup>	5.3		5.2	
Congenital malformations, deformations and chromosomal abnormalities <sup>2</sup>	137.3		145.3	
Sudden infant death syndrome (SIDS) <sup>2</sup>	80.5		40.4	

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

2. Cause-specific infant death rate: Number of infant deaths by cause per 100,000 live births.

Special Note: Infant death rates are based on small numbers (<20 deaths) and are subject to wide variability in the confidence interval on the rate. For more information, see Technical Notes.

Note: See technical notes for information on age-adjusted rates and testing for significance.

## DEFINITIONS AND FORMULAS

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

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

**ALCOHOL-INDUCED DEATHS** -- includes alcoholic psychoses, alcohol dependence syndrome, nondependent abuse of alcohol, alcoholic polyneuropathy, alcoholic cardiomyopathy, alcoholic gastritis, chronic liver disease and cirrhosis – specified as alcoholic, excessive blood level of alcohol, and accidental poisoning by alcohol, not elsewhere classified. Alcohol-induced deaths do not include accidents, homicides, and other causes indirectly related to alcohol use. This category also excludes newborn deaths associated with maternal alcohol use.

**DRUG-INDUCED DEATHS** -- includes deaths due to drug psychosis, drug dependence, nondependent use of drugs not including alcohol and tobacco; accidental poisoning by drugs, medicaments, and biologicals; suicide by drugs, medicaments, and biologicals, assault from poisoning by drugs and medicaments, and poisoning by drugs, medicaments, and biologicals, undetermined whether accidental or purposely inflicted. Drug-induced deaths do not include accidents, homicides, and other causes indirectly related to drug use. Also excluded are newborn deaths associated with mother's drug use.

**FIREARM INJURY DEATHS** -- includes accidental, intentional self-harm (suicide), assault (homicide), undetermined intent, and legal intervention involving firearm discharge. Deaths from injury by firearms exclude deaths due to explosives and other causes indirectly related to firearms.

**FIRST TRIMESTER CARE** -- beginning prenatal care in the first 3 months of pregnancy

**FIRST TRIMESTER CARE RATE** (percent) -- number of live births to women receiving prenatal care in the first trimester care of pregnancy per 100 live births with known data for prenatal care

$$\frac{\text{live births to women receiving first trimester care}}{\text{live births with stated month of prenatal care or date of first visit}} \times 100$$

**INFANT DEATH** -- death of an infant under 1 year of age

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

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

**CAUSE-SPECIFIC INFANT MORTALITY RATE** -- number of infant deaths from a specific cause per 100,000 live births

$$\frac{\text{infant deaths from specific cause}}{\text{live births}} \times 100,000$$

## DEFINITIONS AND FORMULAS (continued)

**LOW BIRTH WEIGHT** -- a live birth weighing under 2,500 grams (5½ pounds or less)

LOW BIRTH WEIGHT RATE (percent) -- number of low birth weight live births per 100 live births with stated birth weight

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

**OUT-OF-WEDLOCK BIRTH** -- a live birth to a woman who was not married at conception, birth, or anytime between

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

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

**PRETERM BIRTH** -- a baby born at less than 37 completed weeks of gestation

PRETERM BIRTH RATE (percent) -- number of preterm live births per 100 live births with known data for length of gestation

$$\frac{\text{preterm live births}}{\text{live births with stated gestation}} \times 100$$

**RESIDENCE DATA** -- data allocated by place of residence of the registrant, or by place of residence of the infant's mother (births, stillbirths)

**TEEN PREGNANCY** -- includes live births, induced abortions, and stillbirths. In this report, teen pregnancy is based on teens aged 15-17.

TEEN PREGNANCY RATE -- number of pregnancies to teens aged 15-17 per 1,000 females aged 15-17

$$\frac{\text{live births + stillbirths + abortions}}{\text{female population aged 15-17}} \times 1,000$$

## TECHNICAL NOTES

### Nativity

#### **Percentages and Rates**

Births for which a particular characteristic is unknown were subtracted from the total number of births used as the denominators to calculate the percentages and rates.

#### **Revision of the Certificate of Live Birth**

The U.S. Standard Certificate of Live Birth was revised in 2003. In 2003, Pennsylvania and Washington were the first two states to implement the 2003 revision. In 2004, Idaho implemented the 2003 U.S. Standard Certificate of Live Birth. Some items on the certificate were added or changed from previous years, and some items were removed from the Idaho certificate in 2004.

Two items that changed in 2004 were prenatal care and smoking during pregnancy. For these two items, the data for 2004 and after are not comparable with data prior to 2004; there are two graphs and tables shown for these items.

#### *Date of first prenatal care visit*

In 2004, the prenatal care item was revised from collecting the month prenatal care began to collecting the date of the first prenatal care visit. With the revision, the calculation of the trimester prenatal care began is based on the date of the first prenatal care visit and the date of the last menstrual period (LMP). If the LMP date is not stated, the date of first prenatal care visit, the clinical length of gestation in weeks, and the baby's birth date are used to estimate the onset of prenatal care. If the day of the first prenatal visit is missing, the day is imputed for statistical purposes based on the previous birth record with the same month of first prenatal care visit. If either the month or the year of prenatal care is missing or implausible, the date of first visit is coded to unknown.

According to the National Center for Health Statistics (NCHS), the change in data collection yields more accurate data because the timing for care is based on a date in the mother's medical record rather than on the mother's recollection of the month of first visit. Because of the changes in sources for these data, prenatal care based on date of first visit is not comparable to prenatal care based on the month prenatal care began.

#### *Cigarette smoking during pregnancy*

Prior to 2004, tobacco use during pregnancy (yes or no) and average number of cigarettes per day were reported on the birth certificate. Beginning in 2004, the Idaho birth certificate includes four data items for cigarette smoking before and during pregnancy. The revised certificate collects data on the average number of cigarettes smoked per day during the three months before pregnancy, the first three months of pregnancy, the second three months of pregnancy, and the third three months of pregnancy. For births occurring out of state in states with unrevised certificates, if the mother used tobacco during pregnancy, the birth record was coded reflect that the mother smoked cigarettes during all three trimesters of pregnancy.

Data based on mother's cigarette smoking status during the three trimesters of pregnancy were used to generate a data item for mother smoking during pregnancy. Mothers who smoked during the first three months of pregnancy, the second three months of pregnancy, or the third three months of pregnancy were coded to reflect that the mother smoked cigarettes during pregnancy for data analysis.

## Teen Pregnancy Data Revision

In 2006, additional stillbirth records were received from Washington and Utah for Idaho residents who had stillbirth deliveries in these states from 1999-2004. The Idaho data bases were revised with these additional records and these revised data are included in the district statistics.

## Mortality

### 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 for 2002-2004, 2005-2007, and 2008-2010 in this report were standardized to year 2000 U.S. standard million population (shown as proportion of the population or weights). The total population for each three-year period was used to calculate the average-annual rates. Rates were developed using the following steps for the direct method:

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

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

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

$$\text{(2000 U.S. standard million population (weight) of age group) x (Age-specific rate)}$$

- 3) Calculate **age-adjusted rate per 100,000 persons**:

$$\text{(Sum of expected deaths for all age groups)}$$

### Age-adjusted Rate Example:

Age Group	Total Idaho Deaths due to Diseases of the Heart (2008-2010)	Total Population (2008-2010)	Average Annual Age-Specific Rate Per 100,000	Year 2000 U.S. Standard Weights	Expected Deaths (Age-Specific Rate x U.S. Standard Weight)	Average Annual Age-Adjusted Rate
Total	7,199	4,637,199		1		<b>155.1</b>
<1	10	73,566	13.6	0.013818	0.2	
1-4	3	294,888	1.0	0.055317	0.1	
5-14	5	688,213	0.7	0.145565	0.1	
15-24	9	667,646	1.3	0.138646	0.2	
25-34	37	631,859	5.9	0.135573	0.8	
35-44	117	575,291	20.3	0.162613	3.3	
45-54	373	622,304	59.9	0.134834	8.1	
55-64	779	519,196	150.0	0.087247	13.1	
65-74	1,106	309,359	357.5	0.066037	23.6	
75-84	1,825	178,872	1020.3	0.044842	45.8	
85+	2,935	76,005	3861.6	0.015508	59.9	

### **Cause-of-Death Classification**

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

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

The following is a listing of the ICD-10 codes used for the mortality section of this report.

**Cause of death**

**ICD-10 Code(s)**

Diseases of the Heart	I00-I09, I11, I13, I20-I51
Malignant neoplasms (cancer)	C00-C97
Colon, rectum and anus	C18-C21
Trachea, bronchus and lung	C33-C34
Female breast cancer	C50
Prostate cancer	C61
Cerebrovascular diseases (stroke)	I60-I69
Chronic lower respiratory disease	J40-J47
Accidents (unintentional injuries)	V01-X59, Y85-Y86
Motor vehicle accidents	V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2
Diabetes mellitus	E10-E14
Alzheimer's disease	G30
Influenza and Pneumonia	J09-J18
Intentional self-harm (suicide)	U03, X60-X84, Y87.0
Chronic liver disease and cirrhosis	K70, K73-K74
Nephritis, nephritic syndrome and nephrosis	N00-N07, N17-N19, N25-N27
Assault (homicide)	U01-U02, X85-Y09, Y87.1; other and unspecified means and their sequelae: U01.1-U01.3, U01.5-U01.9, U02, X85-X92, X96-Y09, Y87.1.
Injury by Firearm	See below.
Alcohol-induced	See below.
Drug-induced	See below.

**Firearm Injury, Alcohol-Induced, and Drug-Induced Deaths**

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

**Firearm Injury**

Causes of death attributable to firearm-injury deaths include ICD-10 codes: U01.4, W32-W34, X72-X74, X93-X95, Y22-Y24, and Y35.0. Firearm injury deaths include terrorism involving firearms (homicide); accidental discharge of firearms; intentional self-harm (suicide) by discharge of firearms; assault (homicide) by discharge of firearms; discharge of firearms, undetermined intent; and legal intervention involving firearm discharge. Death from injury by firearms exclude deaths due to explosives and other causes indirectly related to firearms.

**Alcohol-Induced**

The list of ICD-10 codes included in alcohol-induced causes was expanded in 2003 to include the ICD-10 codes of E24.4, G72.1, and K86.0 with the codes used prior to 2003: F10, G31.2,

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

### Drug-Induced

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

## **Statistical Methods**

### **Statistical Testing**

District data may be compared with state data, other districts' data, or district data may be reviewed over time. When reviewing the tables on mortality, keep in mind that some rates are based on large number of births or deaths (100+) and some rates are based on small number of births or deaths (1-99) for the three-year period. As a general rule, rates based on less than 20 events should be used with caution. While using the term 'rates' in describing the statistical tests, if percentages are the measure being tested then they would follow the same statistical test methodology as rates.

### Significance Testing for Dependent Rates:

A dependent rate is where one population's base falls within the other's population base; they are dependent of each other. For example, the population for District 1 is a subset of Idaho's population, or District 1 is dependent on Idaho's population. When the rates are dependent, the Dependent Rate Test was used, which compares an observed rate to a standard rate to determine if the rates significantly differ from each other. If either rate is included in the confidence intervals of the other, then there is no significant difference between the rates. If neither rate is included in the confidence intervals of the other, then the difference between the rates is significant at the 0.05

level, meaning that the observed rate is either significantly higher or significantly lower than the standard rate, regardless of whether the confidence intervals overlap.

Dependent Rate Test – Dependent Rate Example:

The age-adjusted rate for Diabetes Mellitus for Idaho was 23.4 deaths per 100,000 population, and the 95% confidence interval was 22.0 – 24.8 from 2008-2010. During that time period, District 7 had the highest age-adjusted rate for Diabetes (31.2) and the 95% confidence interval for District 7 was 26.2 – 36.2. The respective rates for Idaho and District 7 lie outside the 95% confidence interval for either location; therefore, the observed rate for District 7 is significantly higher than the standard rate for Idaho for the three-year period.

Idaho, Diabetes Mellitus 2008-2010		District 7, Diabetes Mellitus 2008-2010		The rate for Idaho falls outside the confidence interval for District 7, and the rate for District 7 falls outside the confidence interval for Idaho; the rate for District 7 is significantly higher than the rate for Idaho at the 95% level.
Rate	95% Confidence Interval	Rate	95% Confidence Interval	
23.4	22.0-24.8	31.2	26.2 – 36.2	

Significance Testing for Independent Rates:

An independent rate is where there are two rates from two different populations and the population bases do not overlap each other; they are independent of each other. For example, District 1 and District 6 have independent population bases. Another example is the population in Idaho for 2002-2004 and the population in Idaho for 2008-2010. When the rates are independent, the Confidence Overlap Test was used, which compares the 95% confidence intervals of two rates. If the confidence intervals for two rates do not overlap, then the difference between the two rates is significant at the 0.05 level. If the confidence intervals for two rates overlap, then there is no significant difference between the rates.

Confidence Overlap Test – Independent Rate Example:

The District 7 Diabetes Mellitus rate in 2002-2004 was 39.8 per 100,000 population, and in 2008-2010 it was 31.2. The 95% confidence interval in 2002-2004 was 33.7 – 45.9, which overlaps with 2008-2010's interval of 26.2 – 36.2; thus the rate did not change significantly over time.

District 7, Diabetes Mellitus 2002-2004		District 7, Diabetes Mellitus 2008-2010		The confidence intervals overlap. The rate did not change significantly over time at the 95% level.
Rate	95% Confidence Interval	Rate	95% Confidence Interval	
39.8	33.7 - 45.9	31.2	26.2 – 36.2	

SPECIAL NOTE: The use of the Confidence Overlap Test is crude and conservative. There are other statistical tests which take into account the larger pooled sample size of the two populations together, and therefore may provide a different result. This error is conservative; in some cases an appropriate statistical test would indicate a statistically significant difference even though the confidence intervals overlap, which would indicate a lack of statistical significance. However, if

two confidence intervals do not overlap using the Confidence Overlap Test, a comparable statistical test will always indicate a statistically significant difference.

### **Small numbers and rates**

Some mortality and infant death rates are based on small data bases. It is important to note that death rates based on small numbers (<20 deaths) are subject to wide variability; 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. It is advised to show the number with the rate to provide context. 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.

### **Percent Change in Rate over Time**

To calculate percent change over time:

$$\frac{(\text{Most current year } (Y^2) - \text{Earliest year } (Y^1))}{\text{Earliest year } (Y^1)} \times 100$$

Percent change in the Idaho rates for Diseases of Heart from 194.2 in 2002-2004 to 155.1 in 2008-2010:

$$\frac{(155.1 - 194.2)}{194.2} \times 100 = 20.1\% \text{ decrease}$$

### **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.