

# Mortality

<b>An Overview: 2011</b>	
Total South Dakota Resident Deaths	7,271
Crude Death Rates per 100,000 Population	
South Dakota	882.3
United States (Provisional)	803.6
Age-Adjusted Death Rates per 100,000 Population	
South Dakota	716.1
United States (Provisional)	740.6
Age-Adjusted YPLL Before Age 75 per 100,000 Population	
Whites	5,318
American Indians	17,581

Beginning with the 2010 data, race is now assigned based on standards set forth by the National Center for Health Statistics and the US Census Bureau in order for South Dakota's race data to be comparable to other areas. Race is no longer allocated as it had been since the 2000 Census started allowing multiple races to be reported. All race data in this section are now categorized in the following manner:

- Single-race White
- Single-race American Indian

The remaining categories (Single-race Black, Single-race Asian, Single-race Pacific Islander, and Two or more races) are included in the totals, but are not shown specifically in any tables.

Table 43, below, displays the deaths, crude death rates, and age-adjusted death rates for the United States and South Dakota for the past 12 years.

**Table 43  
Resident Deaths, Crude Death Rates, and Age-Adjusted Death Rates, South Dakota and United States, 2000-2011**

Year	United States			South Dakota		
	Number	Crude Rate	Age-Adjusted Rate	Number	Crude Rate	Age-Adjusted Rate
2011	*2,513,171	*806.6	*740.6	7,271	882.3	716.1
2010	*2,468,435	*799.5	*747.0	7,087	870.4	713.4
2009	2,437,163	793.8	741.1	6,913	851.1	688.6
2008	2,471,984	813.0	758.3	7,056	877.0	712.1
2007	2,423,712	803.6	760.2	6,800	853.2	695.1
2006	2,426,264	810.4	776.5	7,038	892.6	732.6
2005	2,448,017	825.9	798.8	7,074	906.8	758.0
2004	2,397,615	816.5	800.8	6,811	879.7	742.3
2003	2,448,288	841.9	832.7	7,109	926.9	787.1
2002	2,443,387	847.3	845.3	6,886	903.5	771.8
2001	2,416,425	848.5	854.5	6,915	911.1	786.2
2000	2,403,351	854.0	869.0	7,014	929.2	804.8

Note: \*U.S. 2010 and 2011 data are provisional  
 Crude death rates are per 100,000 population.  
 Age-adjusted rates are computed with the 2000 standard.  
 Source: National Center of Health Statistics and the South Dakota Department of Health, Office of Health Statistics

Leading Causes of Death

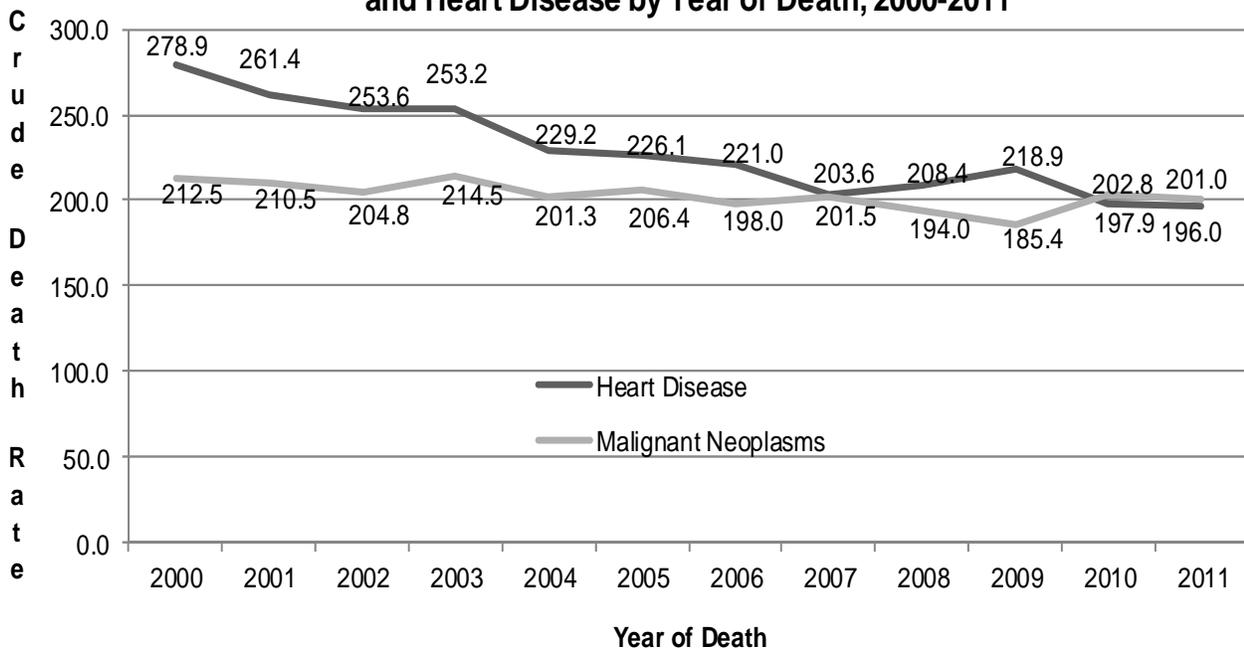
The five leading causes of death in 2011 for South Dakota residents were cancer, heart disease, chronic lower respiratory diseases, cerebrovascular diseases, and Alzheimer’s disease.

Cancer deaths remained the leading cause of death in South Dakota accounting for 22.8 percent of South Dakota’s 2011 resident deaths. This is a decrease of 2.1 percent from 2010. Cancer was not the leading cause of death for American Indians or males, however.

Trachea, bronchus, and lung cancer were the leading cause of cancer deaths during the year, accounting for 27.6 percent of cancer deaths.

Figure 7, below, compares the crude death rates of South Dakota resident heart disease and cancer since 2000. Over the past 12 years, the crude death rate for heart disease has been decreasing while the crude death rate for cancer has remained fairly steady.

**Figure 8**  
**South Dakota Resident Crude Death Rate Due to Malignant Neoplasms and Heart Disease by Year of Death, 2000-2011**



Note: The crude death rate is calculated using yearly U.S. Census Bureau population estimates for that year.  
 Source: South Dakota Department of Health, Office of Health Statistics

Heart disease was the second leading cause of death in 2011 and accounted for 22.2 percent of South Dakota resident deaths, a 2.2 percent decrease from 2010.

Chronic lower respiratory disease accounted for 6.7 percent of 2011 South Dakota resident deaths, an increase of 4.7 percent from 2010. Chronic lower respiratory diseases include emphysema, asthma, and bronchitis.

Cerebrovascular diseases accounted for 6.1 percent of 2011 South Dakota resident deaths, an increase of 5.2 percent from 2010. Stroke, not specified as hemorrhage or infarction, caused the majority of the deaths for this type of disease.

Alzheimer’s disease caused 5.8 percent of all South Dakota resident deaths in 2011. Alzheimer’s was the fifth leading cause of death in 2010.

Table 44, below, displays the breakdown of accidental deaths, which were the sixth leading cause of deaths among South Dakotans. In 2011, 407 or 5.6 percent of deaths were due to accidents.

The highest type of motor vehicle death in 2011 was car occupant with 52 deaths. The highest death in the other causes of accidental death in 2011 was falls with 146 deaths.

**Table 44**  
**South Dakota Resident Leading Causes of Death Due to Accidents, 2007-2011**

	Total	Year of Death				
		2007	2008	2009	2010	2011
<b>Total Deaths</b>	<b>1,875</b>	<b>357</b>	<b>372</b>	<b>348</b>	<b>391</b>	<b>407</b>
<b>Motor Vehicle Accidents</b>	<b>643</b>	<b>145</b>	<b>125</b>	<b>133</b>	<b>141</b>	<b>99</b>
Car Occupant.....(V40-V49)	341	68	66	84	71	52
Occupant of Pick-Up Truck or Van.....(V50-V59)	102	26	16	16	24	20
Pedestrian.....(V01-V09)	65	17	15	6	14	13
Motorcycle Rider.....(V20-V29)	55	16	9	12	13	5
Occupant of Special All-Terrain Vehicle.....(V86)	27	7	6	4	7	3
Occupant of Heavy Transport Vehicle.....(V60-V69)	7	2	1	1	3	0
All Other Motor Vehicle Accidents	46	9	12	10	9	6
<b>Other Causes of Accidental Death</b>	<b>1,232</b>	<b>212</b>	<b>247</b>	<b>215</b>	<b>250</b>	<b>308</b>
Falls.....(W00-W19)	632	130	124	102	130	146
Accidental Poisoning .....(X40-X49)	181	20	41	34	31	55
Accidental Threats to Breathing (excl. drowning).....(W75-W84)	67	9	11	16	14	17
Exposure to Smoke, Fire, and Flames.....( X00-X09)	55	8	16	11	9	11
Exposure to Excessive Natural Cold.....(X31)	51	6	9	8	13	15
Accidental Drowning and Submersion.....(W65-W74, V90, V92)	47	7	8	8	11	13
Air Transport Accidents...(V95.0-V95.3, V95.8-V95.9, & V96-V97)	19	3	1	3	3	9
Accidental Discharge of Firearms.....(W32-W34)	15	2	3	4	4	2
Contact with Agricultural Machinery.....(W30)	7	1	1	0	2	3
Exposure to Excessive Natural Heat.....(X30)	6	4	0	0	1	1
All Other Causes of Accidents	152	22	33	29	32	36

Source: South Dakota Department of Health, Office of Health Statistics

Table 45, on the next page, lists South Dakota resident leading causes of death for the last five years. Heart disease and cancer have been the first and second cause of death for the past four years, however in 2010, cancer took over the first leading cause of death with heart disease falling to second leading cause of death in South Dakota. From 2010 to 2011, the leading causes of death in places three through nine have remained the same.

For the first time in the past five years, unspecified dementia was the tenth leading cause of death in South Dakota. For the past three years, chronic liver disease and cirrhosis have not been in the top ten causes of death for South Dakota residents.

**Table 45**  
**South Dakota Resident Leading Causes of Death, 2007-2011**

Cause of Death	Total			2007			2008			2009			2010			2011		
	Rank	Deaths	%	Rank	Deaths	%	Rank	Deaths	%	Rank	Deaths	%	Rank	Deaths	%	Rank	Deaths	%
South Dakota (All Deaths)		35,127	100.0		6,800	100.0		7,056	100.0		6,913	100.0		7,087	100.0		7,271	100.0
Heart Disease .....(I00-I09, I11, I13, I20-I51)	1	8,304	23.6	1	1,623	23.9	1	1,677	23.8	1	1,778	25.7	2	1,611	22.7	2	1,615	22.2
Malignant Neoplasms (Cancer).....(C00-C97)	2	7,980	22.7	2	1,606	23.6	2	1,561	22.1	2	1,506	21.8	1	1,651	23.3	1	1,656	22.8
Chronic Lower Respiratory Diseases.....(J40-J47)	3	2,320	6.6	3	458	6.7	3	486	6.9	3	440	6.0	3	451	6.4	3	485	6.7
Cerebrovascular Diseases .....(I60-I69)	4	2,069	5.9	4	408	6.0	5	391	5.5	4	417	6.4	4	411	5.8	4	442	6.1
Alzheimer's Disease.....(G30)	5	1,972	5.6	6	345	5.1	4	401	5.7	5	402	5.8	5	401	5.7	5	423	5.8
Accidents.....(V01-X59, Y85-Y86)	6	1,875	5.3	5	357	5.3	6	372	5.3	6	348	5.0	6	391	5.5	6	407	5.6
Diabetes Mellitus.....(E10-E14)	7	1,170	3.3	7	246	3.6	7	216	3.1	7	200	2.9	7	241	3.4	7	267	3.7
Influenza and Pneumonia .....(J09-J18)	8	854	2.4	8	189	2.8	8	186	2.6	8	135	2.0	8	166	2.3	8	178	2.4
Intentional Self-Harm (Suicide) .....(*U03, X60-X84, Y87.0)	9	616	1.8	9	101	1.5	9	123	1.7	9	128	1.9	9	139	2.0	9	125	1.7
Chronic Liver Disease and Cirrhosis.....(K70 & K73-K74)	10	454	1.3	10	94	1.4	10	100	1.4	*	*	*	*	*	*	*	*	*
Unspecified Dementia.....(F03)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	10	117	1.6
Essential (Primary) Hypertension and Hypertensive Renal Disease.....(I10 & I12)	*	*	*	*	*	*	*	*	*	*	*	*	10	93	1.3	*	*	*
Nephritis, Nephrotic Syndrome, and Nephrosis...(N00-N07, N17- N19, N25-N27)	*	*	*	*	*	*	*	*	*	10	99	1.4	*	*	*	*	*	*
All Other Causes					1,373	20.2		1,543	21.9		1,460	21.1		1,532	21.6		1,556	21.4

Note: Letter/number combinations following cause of death are ICD-10 codes.

Due to rounding disease-specific percentages may not sum to 100.

\*This cause was not one of the ten leading causes of death for that year.

The asterisks (\*) preceding the cause-of-death codes indicate that they are not part of the International Classification of Diseases, Tenth Revision.

Source: South Dakota Department of Health, Office of Health Statistics

## Race

Table 46, below, presents South Dakota resident leading causes of death by race. In 2011, patterns for the 10 leading causes of death varied by race. Eight of the 10 leading causes were the same for whites and American Indians, but they differed by rank. For example, accidents were the sixth leading cause of death at 4.8 percent for the white population, but the first leading cause of death for the American Indian population at 15.4 percent.

Alzheimer's disease was in the 10 leading causes of death for the white population, but not the American Indian population. Among the 10 leading causes of death for the American Indian population, but not for the white population were chronic liver disease and cirrhosis, mental and behavioral disorders due to use of alcohol, and assault. In 2010, influenza and pneumonia were not a leading cause of death for American Indians, however in 2011 influenza and pneumonia deaths ranked ninth for American Indians.

**Table 46**  
**South Dakota Resident Leading Causes of Death by Race, 2011**

Cause of Death	All Races			White			American Indian		
	Rank	Deaths	%	Rank	Deaths	%	Rank	Deaths	%
<b>South Dakota (All Deaths)</b>		<b>7,271</b>	<b>100.0</b>		<b>6,662</b>	<b>100.0</b>		<b>527</b>	<b>100.0</b>
Malignant Neoplasms (Cancer)....(C00-C97)	1	1,656	22.8	1	1,561	23.4	3	77	14.6
Heart Disease.....(I00-I09, I11, I13, I20-I51)	2	1,615	22.2	2	1,527	22.9	2	79	15.0
Chronic Lower Respiratory Diseases .....(J40-J47)	3	485	6.7	3	456	6.8	7	21	4.0
Cerebrovascular Diseases.....(I60-I69)	4	442	6.1	T4	419	6.3	8	17	3.2
Alzheimer's Disease.....(G30)	5	423	5.8	T4	419	6.3	*	*	*
Accidents.....(V01-X59, Y85-Y86)	6	407	5.6	6	321	4.8	1	81	15.4
Diabetes Mellitus.....(E10-E14)	7	267	3.7	7	220	3.3	4	43	8.2
Influenza and Pneumonia.....(J09-J18)	8	178	2.4	8	158	2.4	9	16	3.0
Intentional Self-Harm (Suicide) .....(*U03, X60-X84, Y87.0)	9	125	1.7	10	99	1.5	6	24	4.6
Unspecified Dementia.....(F03)	10	117	1.6	9	117	1.8	*	*	*
Chronic Liver Disease and Cirrhosis .....(K70 & K73-K74)	*	*	*	*	*		5	37	7.0
Mental and Behavioral Disorders due to Use of Alcohol.....(F10)	*	*	*	*	*		T10	11	2.1
Assault (Homicide).....(X85-Y09, Y87.1)	*	*	*	*	*		T10	11	2.1
All Other Causes	-	1,556	21.4	-	1,365	20.5	-	110	20.9

Note: Letter / number combinations following cause of death are ICD-10 codes.

Due to rounding, disease-specific percentages may not sum to 100.

\* This cause was not one of the ten leading causes of death for this race group.

The asterisks (\*) preceding the cause-of-death codes indicate that they are not part of the International Classification of Diseases, Tenth Revision.

Source: South Dakota Department of Health, Office of Health Statistics

## Gender

In 2011, patterns for the 10 leading causes of death also varied by gender in South Dakota (Table 47, on the next page). Eight of the 10 leading causes were the same for South Dakota's men and women, but they differed in rank.

Intentional self-harm (suicide) and chronic liver disease and cirrhosis were among the 10 leading causes of death for South Dakota's men, but not for women.

Likewise, unspecified dementia, and essential (primary) hypertension and hypertensive renal disease were among the 10 leading causes of death for South Dakota's women, but not for South Dakota's men. Men were also more likely to die in accidents than women were, while women were more likely to die from Alzheimer's disease than men.

When looking at gender, males' leading cause of death in 2011 was heart disease while females' leading cause of death was cancer. Previously in 2010, males' leading cause of death was cancer while females' was heart disease.

**Table 47**  
**South Dakota Resident Leading Causes of Death by Gender, 2011**

Cause of Death	Total			Male			Female		
	Rank	Deaths	Percent	Rank	Deaths	Percent	Rank	Deaths	Percent
<b>South Dakota (All Deaths)</b>		<b>7,271</b>	<b>100.0</b>		<b>3,601</b>	<b>100.0</b>		<b>3,670</b>	<b>100.0</b>
Malignant Neoplasms (Cancer)....(C00-C97)	1	1,656	22.8	2	838	23.3	1	818	22.3
Heart Disease.....(I00-I09, I11, I13, I20-I51)	2	1,651	22.2	1	849	23.6	2	766	20.9
Chronic Lower Respiratory Diseases .....(J40-J47)	3	485	6.7	3	264	7.3	5	221	6.0
Cerebrovascular Diseases.....(I60-I69)	4	442	6.1	5	167	4.6	4	275	7.5
Alzheimer's Disease.....(G30)	5	423	5.8	7	126	3.5	3	297	8.1
Accidents.....(V01-X59, Y85-Y86)	6	407	5.6	4	247	6.9	6	160	4.4
Diabetes Mellitus.....(E10-E14)	7	267	3.7	6	141	3.9	7	126	3.4
Influenza and Pneumonia.....(J09-J18)	8	178	2.4	9	71	2.0	8	107	2.9
Intentional Self-Harm (Suicide) .....(*U03, X60-X84, Y87.0)	9	125	1.7	8	98	2.7	*	*	*
Unspecified Dementia.....(F03)	10	117	1.6	*	*	*	9	80	2.2
Essential (Primary) Hypertension and Hypertensive Renal Disease.....(I10, I12)	*	*	*	*	*	*	10	50	1.4
Chronic Liver Disease and Cirrhosis .....(K70 & K73-K74)	*	*	*	10	66	1.8	*	*	*
All Other Causes	-	1,556	21.4	-	734	20.4	-	770	21.0

Note: Letter / number combinations following cause of death are ICD-10 codes.

Due to rounding, disease-specific percentages may not sum to 100.

\* This cause was not one of the ten leading causes of death for this gender.

The asterisks (\*) preceding the cause-of-death codes indicate that they are not part of the International Classification of Diseases, Tenth Revision.

Source: South Dakota Department of Health, Office of Health Statistics

### Age

Table 48, on the next page, lists the five leading causes of death by age group. Excluding infants, accidents were the leading cause of death for South Dakotans through age 44.

The leading cause of death for persons 45-84 was cancer. Heart disease was the leading cause of death for persons aged 85 and older.

**Table 48**  
**South Dakota Resident Five Leading Causes of Death by Age Group, 2011**

Rank	All Ages	1-24	25-34	35-44	45-54	55-64	65-74	75-84	85-94	95 & Over
1	Malignant Neoplasms (Cancer) 1,656	Accidents 50	Accidents 44	Accidents 30	Malignant Neoplasms (Cancer) 113	Malignant Neoplasms (Cancer) 260	Malignant Neoplasms (Cancer) 368	Malignant Neoplasms (Cancer) 517	Heart Disease 597	Heart Disease 168
2	Heart Disease 1,651	Intentional Self-Harm (Suicide) 29	Intentional Self-Harm (Suicide) 20	Heart Disease 26	Heart Disease 73	Heart Disease 155	Heart Disease 227	Heart Disease 362	Malignant Neoplasms (Cancer) 334	Alzheimer's Disease 78
3	Chronic Lower Respiratory Diseases 485	*	**	Malignant Neoplasms (Cancer) 24	Accidents 59	Accidents 49	Chronic Lower Respiratory Diseases 94	Chronic Lower Respiratory Diseases 155	Alzheimer's Disease 241	Cerebrovascular Diseases 47
4	Cerebrovascular Diseases 442	*	**	Intentional Self-Harm (Suicide) 22	Chronic Liver Disease and Cirrhosis 23	Chronic Lower Respiratory Diseases 39	Cerebrovascular Diseases 54	Cerebrovascular Diseases 139	Cerebrovascular Diseases 168	Influenza and Pneumonia 34
5	Alzheimer's Disease 423	Assault (homicide) 6	#	Chronic Liver Disease and Cirrhosis 14	Diabetes Mellitus 21	Diabetes Mellitus 37	Diabetes Mellitus 48	Alzheimer's Disease 89	Chronic Lower Respiratory Diseases 146	Chronic Lower Respiratory Diseases 33

\* Note: The following causes tied for third place with 7 deaths: Congenital Malformations, Deformations, and Chromosomal Abnormalities and Malignant Neoplasms (Cancer)

\*\*The following causes tied for third place with 6 deaths: Assault (homicide) and Heart Disease

# The following causes tied for fifth place with 5 deaths: Pregnancy, childbirth and the puerperium and Malignant neoplasms (cancer)

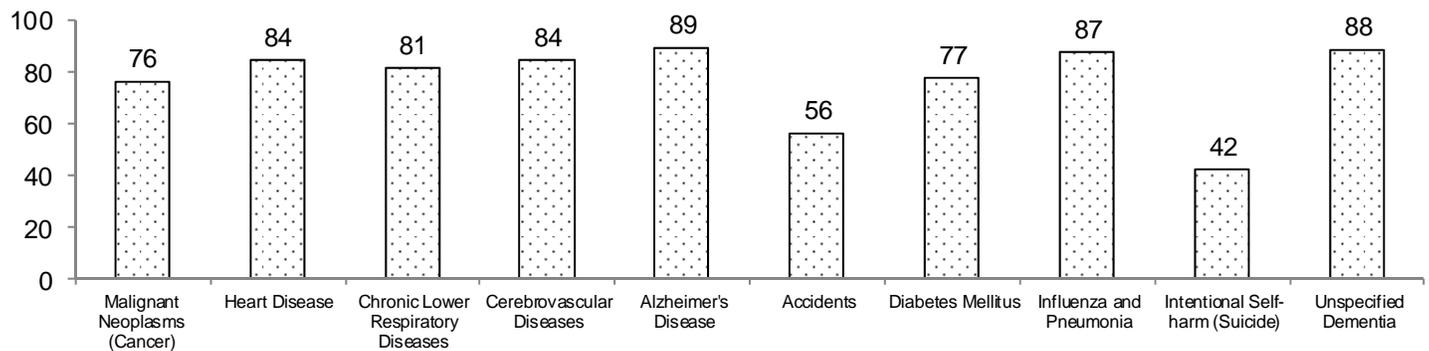
Source: South Dakota Department of Health, Office of Health Statistics

### Median Age

Figure 8, below, presents data on the median age at death for the 10 leading causes of death for South Dakota residents in 2011. The median age for

the 10 leading causes of death in 2011 remained quite similar to the median ages of death in 2010.

**Figure 9**  
**Median Age at Death for South Dakota Residents for the Leading Causes of Death, 2011**



Source: South Dakota Department of Health, Office of Health Statistics

Table 49, below, shows the median age at death for South Dakota residents from the leading causes of death by race and gender. In 2011, the median age at death was 81 for all South Dakotans; for white residents the median age was 82, compared to 59 for American Indians. The overall median age at death increased for both whites and American

Indians when compared to their overall median age at death in 2010. The median age at death in 2011 for South Dakota resident males and females was 77 and 84, respectively. For both males and females, the median age at death remained the same from 2010 to 2011.

**Table 49**  
**Median Age at Death for South Dakota Residents for the Leading Causes of Death by Race and Gender, 2011**

Cause of Death	Median Age at Death in Years				
	All	Race		Gender	
	Total Deaths	White	American Indian	Male	Female
<b>South Dakota (All Deaths)</b>	<b>81</b>	<b>82</b>	<b>59</b>	<b>77</b>	<b>84</b>
Malignant Neoplasms (Cancer) (C00-C97)	76	76	71	74	77
Heart Disease (I00-I09, I11, I13, I20-I51)	84	84	61	79	88
Chronic Lower Respiratory Diseases (J40-J47)	81	82	75	80	83
Cerebrovascular Diseases (I60-I69)	84	85	72	81	87
Alzheimer's Disease (G30)	89	89	*	88	90
Accidents (V01-X59, Y85-Y86)	56	64	47	54	68
Diabetes Mellitus (E10-E14)	77	81	65	75	80
Influenza and Pneumonia (J09-J18)	87	88	59	83	89
Intentional Self-Harm (Suicide) (*U03, X60-X84, Y87.0)	42	47	28	41	*
Unspecified Dementia (F03)	88	88	*	*	90
Mental and Behavioral Disorders due to use of Alcohol (F10)	*	*	56	*	*
Chronic Liver Disease and Cirrhosis (K70 & K73-K74)	*	*	50	58	*
Essential (Primary) Hypertension and Hypertensive Renal Disease (I10, I12)	*	*	*	*	91
Assault (homicide) (X85-Y09, Y87.1)	*	*	38	*	*

Note: Letter / number combinations following cause of death are ICD-10 codes.

\*This cause was not one of the ten leading causes of death for this race or gender.

The asterisks (\*) preceding the cause-of-death codes indicate that they are not part of the International Classification of Diseases, Tenth Revision.

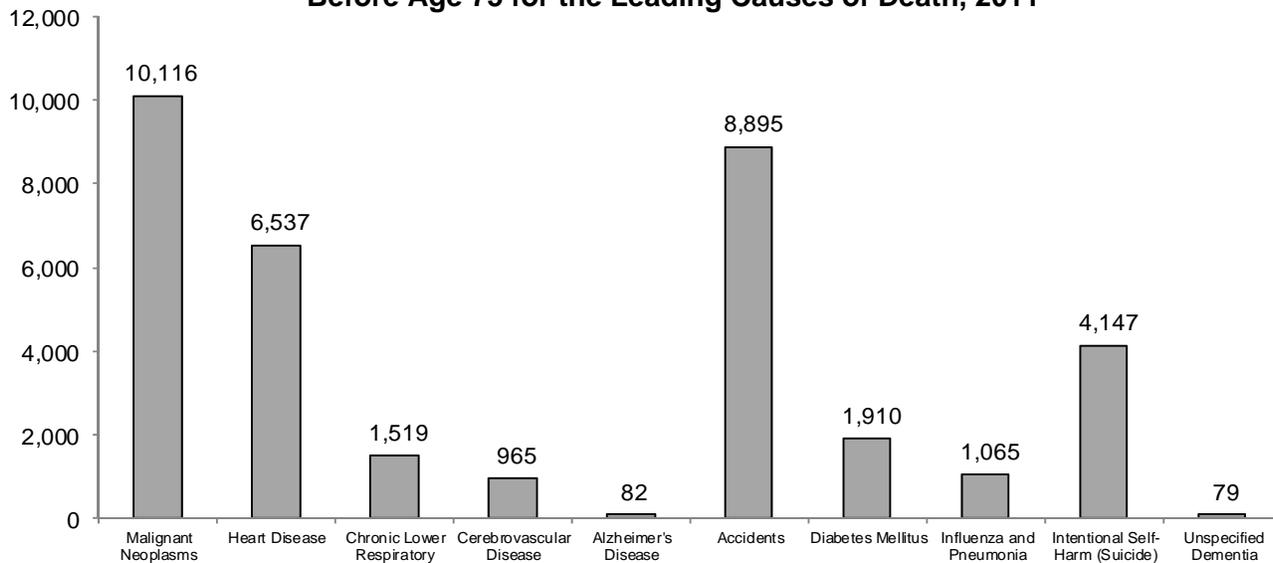
Source: South Dakota Department of Health, Office of Health Statistics

### Years of Potential Life Lost

Figure 9, on the next page, depicts the years of potential life lost (YPLL) before age 75 for each of these causes.

Cancer led in YPLL (10,116 years) because many of the decedents were at a relatively young age at the time of death.

**Figure 10**  
**South Dakota Resident Years of Potential Life Lost (YPLL)**  
**Before Age 75 for the Leading Causes of Death, 2011**



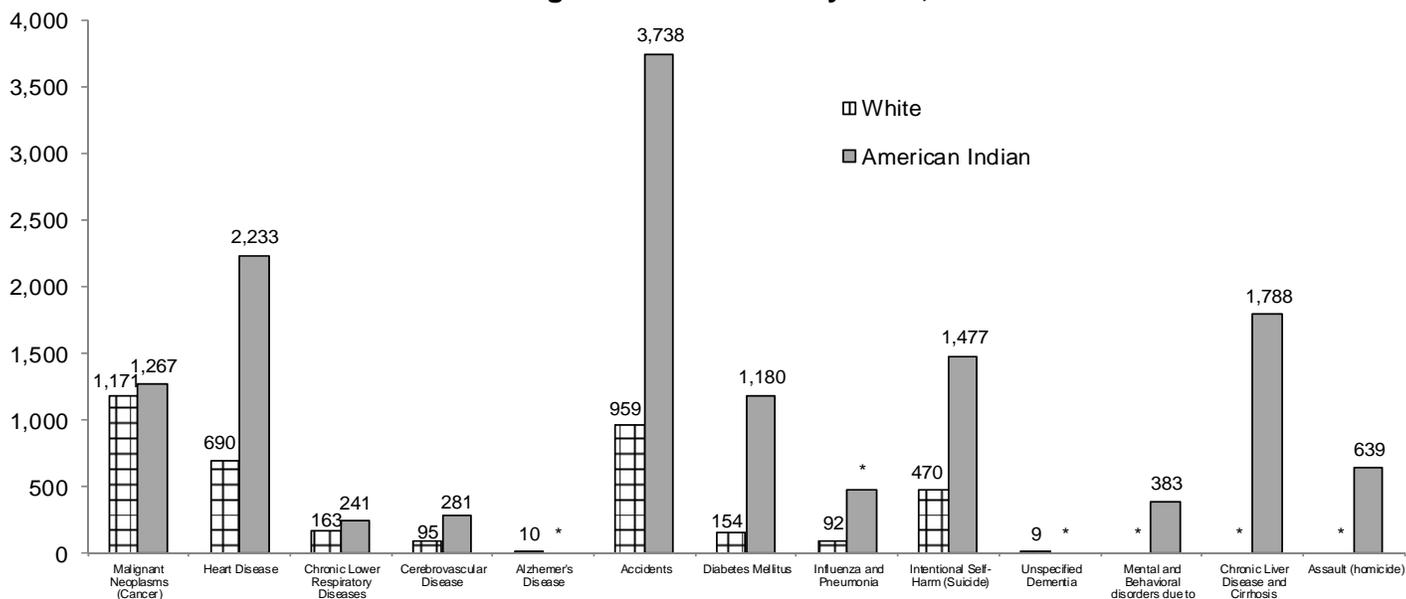
Note: The data is not comparable to the age-adjusted data in Figure 11 below.  
 Source: South Dakota Department of Health, Office of Health Statistics

Figure 10, below, illustrates the years of potential life lost (YPLL) before the age 75 per 100,000 population for the top 10 causes of death by race. When comparing YPLL by race, American Indians exceeded whites substantially in YPLL for the leading causes of death.

American Indians' largest YPLL was accidents with 3,738 years while whites' largest YPLL was cancer with

1,171 years. Whites' second largest YPLL was accidents with 959 years while American Indians' second largest YPLL was heart disease with 2,233 years. Whites' third largest YPLL was heart disease with 690 years. Chronic liver disease and cirrhosis was the third largest YPLL for American Indians with 1,788 years, which still exceeded whites' largest YPLL (cancer with 1,171 years).

**Figure 11**  
**Age-Adjusted Years of Potential Life Lost (YPLL) Before Age 75 for the**  
**Leading Causes of Death by Race, 2011**



Note: Years of potential life lost are age-adjusted per 100,000 population.  
 \*This cause was not one of the ten leading causes of death for this race group.  
 Source: South Dakota Department of Health, Office of Health Statistics

## Place of Death

Table 50, below, displays the 10 leading causes of death by place where death occurred in 2011. Overall, nursing home, long term

care, and hospice facility had the highest occurrence of deaths with 41.9 percent. Hospital followed closely with 36.1 percent.

**Table 50**  
**South Dakota Resident Deaths by Cause of Death and Place of Death, 2011**

Cause of Death	Total		Hospital		Nursing Home/Long Term Care/Hospice Facility		Residence		All Other Reported Entries	
	Num	%	Num	%	Num	%	Num	%	Num	%
<b>South Dakota (All Deaths)</b>	<b>7,271</b>	<b>100.0</b>	<b>2,625</b>	<b>36.1</b>	<b>3,044</b>	<b>41.9</b>	<b>1,304</b>	<b>17.9</b>	<b>298</b>	<b>4.1</b>
Malignant Neoplasms (Cancer).....(C00-C97)	1,656	100.0	524	31.6	681	41.1	415	25.1	36	2.2
Heart Disease....(I00-I09, I11, I13, I20-I51)	1,615	100.0	553	34.2	605	37.5	402	24.9	55	3.4
Chronic Lower Respiratory Diseases.....(J40-J47)	485	100.0	197	40.6	211	43.5	66	13.6	11	2.3
Cerebrovascular Diseases.....(I60-I69)	442	100.0	188	42.5	226	51.1	23	5.2	5	1.1
Alzheimer's Disease.....(G30)	423	100.0	38	9.0	365	86.3	17	4.0	3	0.7
Accidents.....(V01-X59, Y85-Y86)	407	100.0	168	41.3	58	14.3	61	15.0	120	29.5
Diabetes Mellitus.....(E10-E14)	267	100.0	91	34.1	115	43.1	56	21.0	5	1.9
Influenza and Pneumonia.....(J09-J18)	178	100.0	93	52.2	71	39.9	12	6.7	2	1.1
Intentional Self-Harm (Suicide).....(*U03, X60-X84, Y87.0)	125	100.0	22	17.6	0	0.0	75	60.0	28	22.4
Unspecified Dementia.....(F03)	117	100.0	7	6.0	101	86.3	8	6.8	1	0.9
All Other Causes	1,556	100.0	744	47.8	611	39.3	169	10.9	32	2.1

Note: The asterisks (\*) preceding the cause of death codes indicate they are not part of the International Classification of Diseases, Tenth Revision. The place of death data may not add to the total due to unknown places not being specified, but being included in the total.

Source: South Dakota Department of Health, Office of Health Statistics

## Tobacco Use

On the death certificate, the certifier was instructed to check "yes" or "probably" if in their opinion, the use of tobacco contributed to death or check "no" if in their clinical judgment tobacco use did not contribute to the death. There was also the option of "unknown" if the certifier was unsure if tobacco use contributed to death. On 1,289 deaths, or 17.7 percent, the certifier indicated "yes" or

"probably" that tobacco use contributed to the death. Conversely, on 4,077 deaths, or 56.1 percent, the certifier indicated that tobacco use did not contribute to the death.

In the remaining 1,905 deaths, or 26.2 percent, the certifier was unsure if tobacco use contributed to the death.

Table 51, below, displays the 10 leading causes of death where the certifier said “yes” or “probably” that tobacco use contributed to the death. Tobacco use contributed to death in 71.1 percent, or 325

trachea, bronchus, and lung cancer deaths in 2011. In 62.3 percent, or 302 chronic lower respiratory disease deaths the certifier said “yes” or “probably” that tobacco use contributed to the death.

**Table 51**  
**South Dakota Resident Leading Causes of Death as They Relate to Tobacco Use, 2011**  
**(Did Tobacco Use Contribute to Death)**

Cause of Death	Yes/Probably		Total Deaths	
	Number	Percent	Number	Percent
<b>Total</b>	<b>1,289</b>	<b>17.7</b>	<b>7,271</b>	<b>100.0</b>
<b>Malignant Neoplasms (cancer).....(C00-C97)</b>	<b>446</b>	<b>26.9</b>	<b>1656</b>	<b>100.0</b>
Trachea, Bronchus, and Lung.....(C33-C34)	325	71.1	457	100.0
Esophagus.....(C15)	20	35.1	20	100.0
<b>Chronic Lower Respiratory Diseases.....(J40-J47)</b>	<b>302</b>	<b>62.3</b>	<b>485</b>	<b>100.0</b>
Emphysema.....(J43)	31	86.1	36	100.0
<b>Heart Disease.....(I00-I09, I11, I13, I20-I51)</b>	<b>215</b>	<b>13.3</b>	<b>1615</b>	<b>100.0</b>
Acute Myocardial Infarction.....(I21-I22)	78	12.9	605	100.0
Atherosclerotic Heart Disease.....(I25.1)	73	16.6	440	100.0
<b>Cerebrovascular Diseases.....(I60-I69)</b>	<b>56</b>	<b>12.7</b>	<b>442</b>	<b>100.0</b>
<b>Diabetes Mellitus.....(E10-E14)</b>	<b>47</b>	<b>17.6</b>	<b>267</b>	<b>100.0</b>
<b>Influenza and Pneumonia.....(J09-J18)</b>	<b>17</b>	<b>9.6</b>	<b>178</b>	<b>100.0</b>
Pneumonia.....(J12-J18)	15	9.4	159	100.0
<b>Essential (primary) hypertension and hypertensive renal disease.....(I10 &amp; I12)</b>	<b>15</b>	<b>16.0</b>	<b>94</b>	<b>100.0</b>
<b>Chronic Liver Disease and Cirrhosis.....(K70 &amp; K73-K74)</b>	<b>14</b>	<b>14.3</b>	<b>98</b>	<b>100.0</b>
<b>Accidents.....(V01-X59, Y85-Y86)</b>	<b>14</b>	<b>3.4</b>	<b>407</b>	<b>100.0</b>
<b>Alzheimer’s Disease.....(G30)</b>	<b>14</b>	<b>3.3</b>	<b>423</b>	<b>100.0</b>

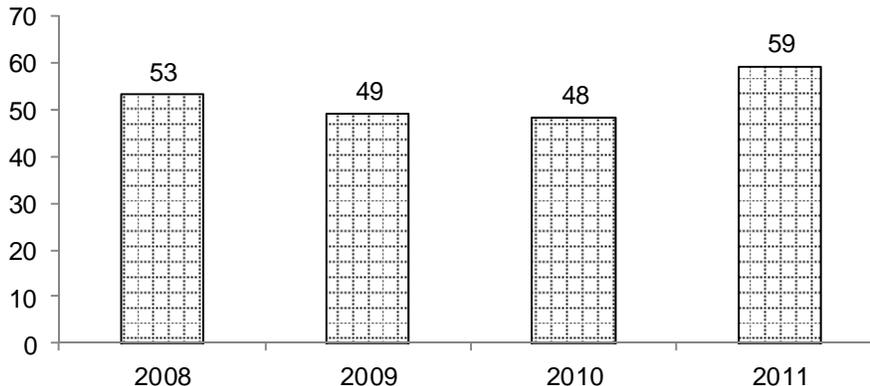
Source: South Dakota Department of Health, Office of Health Statistics

Drug-Induced Deaths

Figure 12, below, shows the drug-induced deaths for South Dakota residents for the past four years. The definition of drug-

induced deaths is located in the back of this report (page 237) within the Technical Notes section.

**Figure 12**  
**South Dakota Resident Drug-Induced Deaths,**  
**2008-2011**



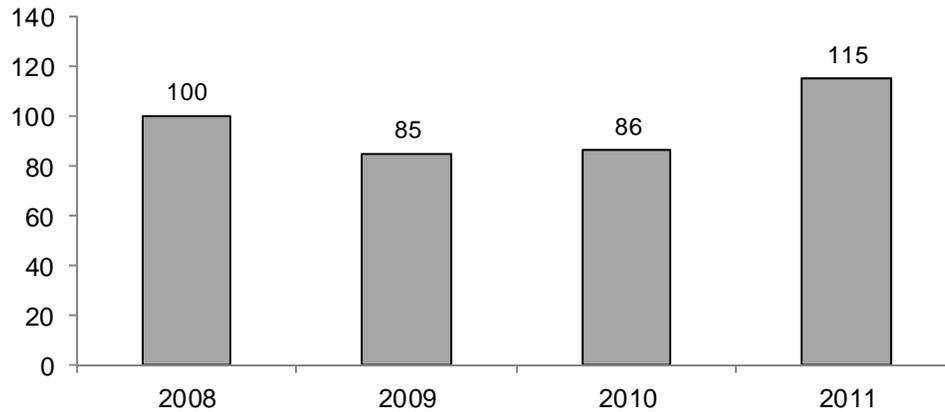
Source: South Dakota Department of Health, Office of Health Statistics

### Alcohol-Induced Deaths

Figure 13, below, shows the alcohol-induced deaths for South Dakota residents for the past four years. The definition of

alcohol-induced deaths is located in the back of this report (page 238) within the Technical Notes section.

**Figure 13**  
**South Dakota Resident Alcohol-Induced Deaths, 2008-2011**



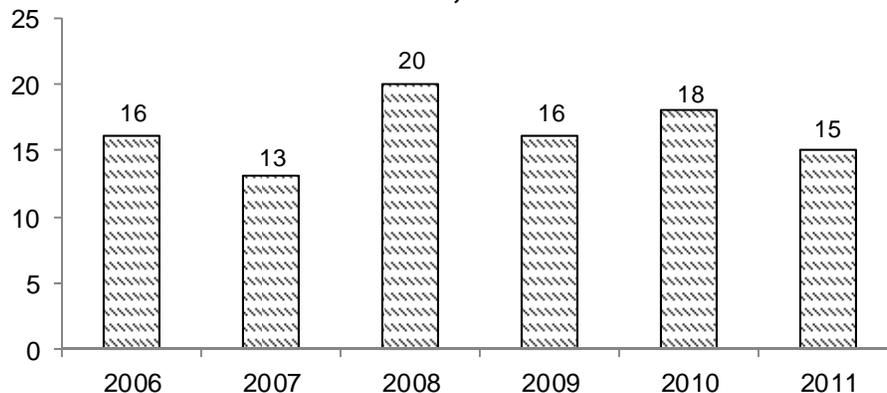
Source: South Dakota Department of Health, Office of Health Statistics

### Farm Accident Deaths

Figure 14, below, shows the number of South Dakota resident deaths due to farm accidents for the past six years. The

definition of farm accident deaths is located in the back of this report (page 238) within the Technical Notes section.

**Figure 14**  
**South Dakota Resident Deaths Due to Farm Accidents, 2006-2011**



Source: South Dakota Department of Health, Office of Health Statistics

### Maternal Mortality

Table 52, on the following page, shows maternal mortality deaths for the past 10 years. The definition of maternal mortality is

located in the back of this report (page 238) within the Technical Notes section.

**Table 52**  
**South Dakota Resident Maternal Deaths by Year of Death, 2002-2011**

Year	# of Deaths
2011	3
2010	1
2009	1
2008	0
2007	3
2006	1
2005	1
2004	2
2003	0
2002	0

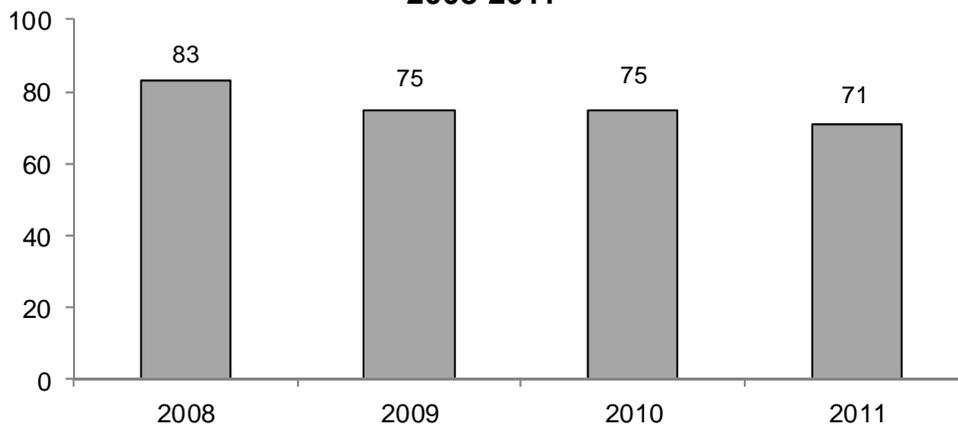
Source: South Dakota Department of Health,  
Office of Health Statistics

Firearm Deaths

Figure 15, below, shows firearm deaths for South Dakota residents for the past four years. The definition of firearm deaths is

located in the back of this report (page 238) within the Technical Notes section.

**Figure 15**  
**South Dakota Resident Deaths Due to Firearms, 2008-2011**



Source: South Dakota Department of Health, Office of Health Statistics

Method of Disposition

Table 53, on the next page, displays the different methods of disposition for the last 10 years. The top disposition in 2011 was burial with 4,539 deaths. The second highest

method of disposition in 2011 was cremation with 2,211 deaths. Since 2002, cremation has increased from 16.7 percent of all dispositions to 30.4 percent in 2011.

**Table 53**  
**South Dakota Resident Deaths by Disposition, 2002-2011**

Year	Type of Disposition						
	Total Deaths	Burial	Cremation	Removal from State	Donation	Entombment	Other
2011	7,271	4,539	2,211	472	33	10	0
2010	7,087	4,548	2,044	433	47	10	0
2009	6,913	4,545	1,855	464	34	8	0
2008	7,056	4,857	1,662	485	35	9	0
2007	6,800	4,775	1,474	481	46	18	0
2006	7,038	5,127	1,440	431	30	6	0
2005	7,074	5,373	1,515	151	27	7	0
2004	6,811	5,305	1,348	120	22	12	0
2003	7,109	5,675	1,321	76	26	**	8
2002	6,886	5,627	1,148	72	24	**	11

Note: Failure of deaths to add to total is due to the disposition not stated.

\*\* Prior to 2004 entombment was included in the "Other" category.

Sharp increase in removal from state from 2005 to 2006 due to clarification of reporting process.

Source: South Dakota Department of Health, Office of Health Statistics

### Leading Causes and Selected Components

Tables 54a-54c, on pages 64 through 67, display South Dakota resident deaths, the crude death rate, and the age-adjusted death rate for 15 leading causes and selected components from 2001 to 2011.

The crude and age-adjusted rates for all causes in 2011 were 882.3 and 716.1 respectively, which are up from the crude and age-adjusted rates in 2010 of 870.4 and 713.4, respectively.

**Table 54a**  
**South Dakota Resident Deaths for 15 Leading Causes and Selected Components, 2001-2011**

Cause of Death	Number of Deaths										
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
<b>All Causes</b>	<b>6,915</b>	<b>6,886</b>	<b>7,109</b>	<b>6,811</b>	<b>7,074</b>	<b>7,038</b>	<b>6,800</b>	<b>7,056</b>	<b>6,913</b>	<b>7,087</b>	<b>7,271</b>
<b>Malignant Neoplasms (Cancer)</b>	1,598	1,561	1,645	1,559	1,610	1,561	1,606	1,561	1,506	1,651	1,656
Trachea, Bronchus, and Lung	414	403	406	423	467	435	425	445	387	434	457
Colon, Rectum, and Anus	179	168	176	151	176	150	165	152	157	168	137
Female Breast	88	109	120	105	117	95	113	118	95	103	122
Pancreas	99	85	95	102	90	89	93	87	110	98	95
Prostate	115	109	106	102	94	103	94	78	84	96	88
Leukemia	72	67	80	71	63	66	76	60	57	82	77
<b>Heart Disease</b>	1,984	1,933	1,942	1,775	1,764	1,743	1,623	1,677	1,778	1,611	1,615
<b>Chronic Lower Respiratory Diseases</b>	360	382	379	393	440	375	458	486	440	451	485

**Table 54a (continued)**  
**South Dakota Resident Deaths for 15 Leading Causes and Selected Components, 2001-2011**

Cause of Death	Number of Deaths										
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
<b>Cerebrovascular Diseases</b>	491	518	475	463	511	437	408	391	417	411	442
<b>Alzheimer's Disease</b>	159	169	175	255	289	330	345	401	402	401	423
<b>Accidents</b>	382	344	390	407	396	443	357	372	348	391	407
Motor Vehicle Accidents	187	185	215	185	181	186	145	125	133	141	99
<b>Diabetes Mellitus</b>	210	193	201	227	239	261	246	216	200	241	267
<b>Influenza and Pneumonia</b>	186	239	223	180	242	173	189	186	135	166	178
<b>Intentional Self-Harm (Suicide)</b>	108	94	103	114	123	125	101	123	128	139	125
<b>Unspecified Dementia</b>	113	131	152	85	30	74	70	80	90	91	117
<b>Chronic Liver Disease and Cirrhosis</b>	81	77	81	97	83	83	94	100	79	83	98
<b>Essential (Primary) Hypertension and Hypertensive Renal Disease</b>	39	27	39	55	83	79	70	65	52	93	94
<b>Parkinson's Disease</b>	55	60	56	65	60	75	62	69	65	85	73
<b>Septicemia</b>	69	68	69	42	52	65	64	54	63	66	69
<b>Vascular Dementia*</b>	2	3	0	3	2	40	28	50	42	60	67

Note: \*The increase in deaths due to Vascular Dementia in 2006 was due to an improvement in classifying/coding.  
Source: South Dakota Department of Health, Office of Health Statistics

**Table 54b**  
**South Dakota Resident Crude Death Rates for 15 Leading Causes and Selected Components, 2001-2011**

Cause of Death	Crude Death Rates										
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
<b>All Causes</b>	<b>911.1</b>	<b>903.5</b>	<b>926.9</b>	<b>879.7</b>	<b>906.8</b>	<b>892.6</b>	<b>853.2</b>	<b>877.0</b>	<b>851.1</b>	<b>870.4</b>	<b>882.3</b>
<b>Malignant Neoplasms (Cancer)</b>	210.5	204.8	214.5	201.3	206.4	198.0	201.5	194.0	185.4	202.8	201.0
Trachea, Bronchus, and Lung	54.5	52.9	52.9	54.6	59.9	55.2	53.3	55.3	47.6	53.3	55.5
Colon, Rectum, and Anus	23.6	22.0	22.9	19.5	22.6	19.0	20.7	18.9	19.3	20.6	16.6
Female Breast	23.0	28.4	31.2	27.0	29.9	24.0	28.3	29.3	23.4	25.3	29.7
Pancreas	13.0	11.2	12.4	13.2	11.5	11.3	11.7	10.8	13.5	12.0	11.5
Prostate	30.5	28.8	27.8	26.4	24.2	26.2	23.7	19.4	20.7	23.6	21.3
Leukemia	9.5	8.8	10.4	9.2	8.1	8.4	9.5	7.5	7.0	10.1	9.3
<b>Heart Disease</b>	261.4	253.6	253.2	229.2	226.1	221.0	203.6	208.4	218.9	197.9	196.0
<b>Chronic Lower Respiratory Diseases</b>	47.4	50.1	49.4	50.8	56.4	47.6	57.5	60.4	54.2	55.4	58.9

**Table 54b (continued)**  
**South Dakota Resident Crude Death Rates for 15 Leading Causes and Selected Components, 2001-2011**

Cause of Death	Crude Death Rates										
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
<b>Cerebrovascular Diseases</b>	64.7	68.0	61.9	59.8	65.5	55.4	51.2	48.6	51.3	50.5	53.6
<b>Alzheimer's Disease</b>	20.9	22.2	22.8	32.9	37.0	41.9	43.3	49.8	49.5	49.3	51.3
<b>Accidents</b>	50.3	45.1	50.8	52.6	50.8	56.2	44.8	46.2	42.8	48.0	49.4
Motor Vehicle Accidents	24.6	24.3	28.0	23.9	23.2	23.6	18.2	15.5	16.4	17.3	12.0
<b>Diabetes Mellitus</b>	27.7	25.3	26.2	29.3	30.6	33.1	30.9	26.8	24.6	29.6	32.4
<b>Influenza and Pneumonia</b>	24.5	31.4	29.1	23.2	31.0	21.9	23.7	23.1	16.6	20.4	21.6
<b>Intentional Self-Harm (Suicide)</b>	14.2	12.3	13.4	14.7	15.8	15.9	12.7	15.3	15.8	17.1	15.2
<b>Unspecified Dementia</b>	14.9	17.2	19.8	11.0	3.8	9.4	8.8	9.9	11.1	11.2	14.2
<b>Chronic Liver Disease and Cirrhosis</b>	10.7	10.1	10.6	12.5	10.6	10.5	11.8	12.4	9.7	10.2	11.9
<b>Essential (Primary) Hypertension and Hypertensive Renal Disease</b>	5.1	3.5	5.1	7.1	10.6	10.0	8.8	8.1	6.4	11.4	11.4
<b>Parkinson's Disease</b>	7.2	7.9	7.3	8.4	7.7	9.5	7.8	8.6	8.0	10.4	8.9
<b>Septicemia</b>	9.1	8.9	9.0	5.4	6.7	8.2	8.0	6.7	7.8	8.1	8.4
<b>Vascular Dementia*</b>	0.3	0.4	0.0	0.4	0.3	5.1	3.5	6.2	5.2	7.4	8.1

Note: The crude death rate is calculated using yearly U.S. Census Bureau population estimates for that year.

\*The increase in deaths due to Vascular Dementia in 2006 was due to an improvement in classifying/coding.

Source: South Dakota Department of Health, Office of Health Statistics

**Table 54c**  
**South Dakota Resident Age-Adjusted Death Rates for 15 Leading Causes and Selected Components, 2001-2011**

Cause of Death	Age-Adjusted Death Rates										
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
<b>All Causes</b>	<b>786.2</b>	<b>771.8</b>	<b>787.1</b>	<b>742.3</b>	<b>758.0</b>	<b>732.6</b>	<b>695.1</b>	<b>712.1</b>	<b>688.6</b>	<b>713.4</b>	<b>716.1</b>
<b>Malignant Neoplasms (Cancer)</b>	188.9	182.3	190.0	176.6	180.3	169.6	170.9	164.8	156.5	170.6	168.6
Trachea, Bronchus, and Lung	50.1	48.1	47.6	49.2	52.8	48.0	46.3	47.3	40.7	45.4	47.2
Colon, Rectum, and Anus	20.6	19.0	19.9	16.4	19.4	15.9	17.2	15.9	15.8	17.0	13.9
Female Breast	19.2	24.0	25.9	22.0	23.8	19.2	20.9	23.3	17.6	19.7	23.7
Pancreas	12.0	10.0	10.8	11.6	10.1	9.5	9.8	8.9	11.3	10.2	9.5
Prostate	33.0	31.0	29.6	27.5	24.6	26.7	23.7	19.2	20.3	23.7	20.9
Leukemia	8.4	7.9	9.3	7.8	7.0	7.0	8.1	6.1	6.0	8.6	7.8
<b>Heart Disease</b>	218.9	209.9	207.8	185.8	181.8	175.0	159.5	162.2	168.3	154.9	153.0
<b>Chronic Lower Respiratory Diseases</b>	41.3	42.9	42.5	42.6	47.4	39.3	47.1	49.0	43.9	46.0	47.4

**Table 54c (continued)**  
**South Dakota Resident Age-Adjusted Death Rates for 15 Leading Causes and Selected Components, 2001-2011**

Cause of Death	Age-Adjusted Death Rates										
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
<b>Cerebrovascular Diseases</b>	52.8	54.4	49.7	47.3	51.6	42.3	38.9	37.6	38.8	39.2	42.0
<b>Alzheimer's Disease</b>	16.2	16.9	17.3	24.5	27.5	30.0	30.7	35.9	35.2	36.2	36.6
<b>Accidents</b>	47.0	42.8	48.4	49.4	47.2	51.5	40.9	41.8	40.0	44.3	44.8
Motor Vehicle Accidents	24.4	23.8	27.8	23.7	23.0	23.2	17.9	15.1	16.6	17.0	11.8
<b>Diabetes Mellitus</b>	24.0	22.4	22.7	24.8	25.6	26.8	25.5	21.8	20.4	24.6	26.8
<b>Influenza and Pneumonia</b>	19.5	25.1	22.5	18.1	23.7	16.5	18.1	17.3	12.6	15.5	16.3
<b>Intentional Self-Harm (Suicide)</b>	14.4	12.2	13.6	15.0	15.5	15.9	12.3	15.4	16.0	17.3	15.3
<b>Unspecified Dementia</b>	11.3	12.9	14.6	8.0	2.7	6.5	6.2	6.9	7.9	8.3	10.2
<b>Chronic Liver Disease and Cirrhosis</b>	10.7	10.0	10.2	12.0	10.3	10.2	11.2	11.6	8.7	9.7	11.1
<b>Essential (Primary) Hypertension and Hypertensive Renal Disease</b>	4.1	2.7	3.8	5.6	7.9	7.3	6.6	6.2	4.8	8.8	8.5
<b>Parkinson's Disease</b>	5.8	6.4	6.0	6.6	6.1	7.5	6.1	6.7	6.2	8.2	7.0
<b>Septicemia</b>	7.7	7.6	7.6	4.7	5.6	6.8	6.5	5.5	6.4	6.7	7.0
<b>Vascular Dementia*</b>	0.2	0.3	0.0	0.3	0.2	3.7	2.4	4.2	3.7	5.3	5.9

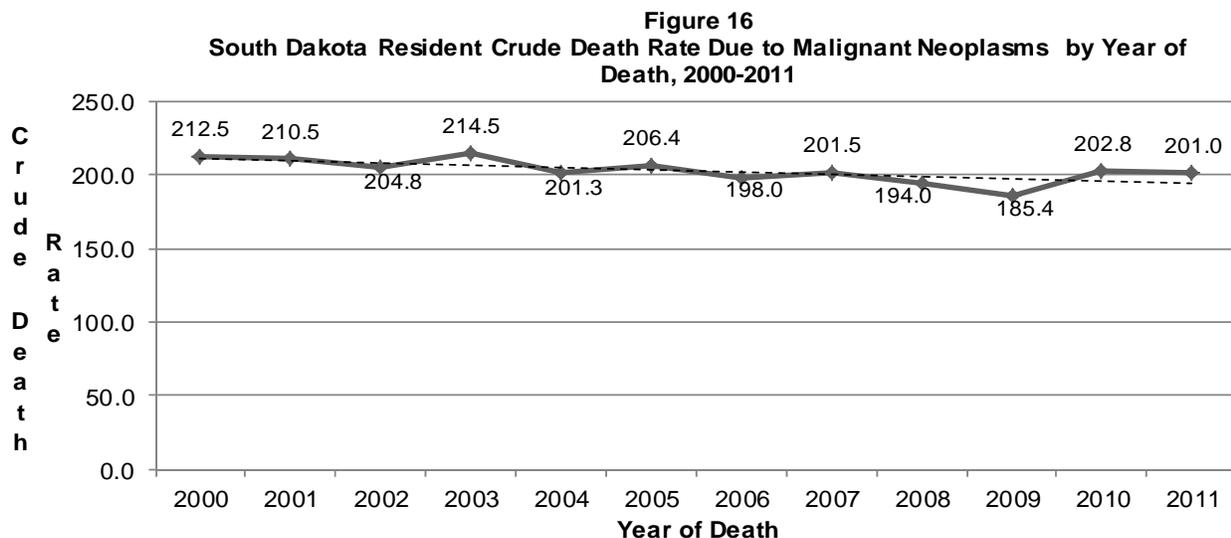
Note: The age-adjusted death rate is calculated using yearly U.S. Census Bureau population estimates for that year.

\*The increase in deaths due to Vascular Dementia in 2006 was due to an improvement in classifying/coding.

Source: South Dakota Department of Health, Office of Health Statistics

Figure 16, below, displays the crude death rate for cancer from 2000 through 2011. On pages 72 through 73, figures 17a through

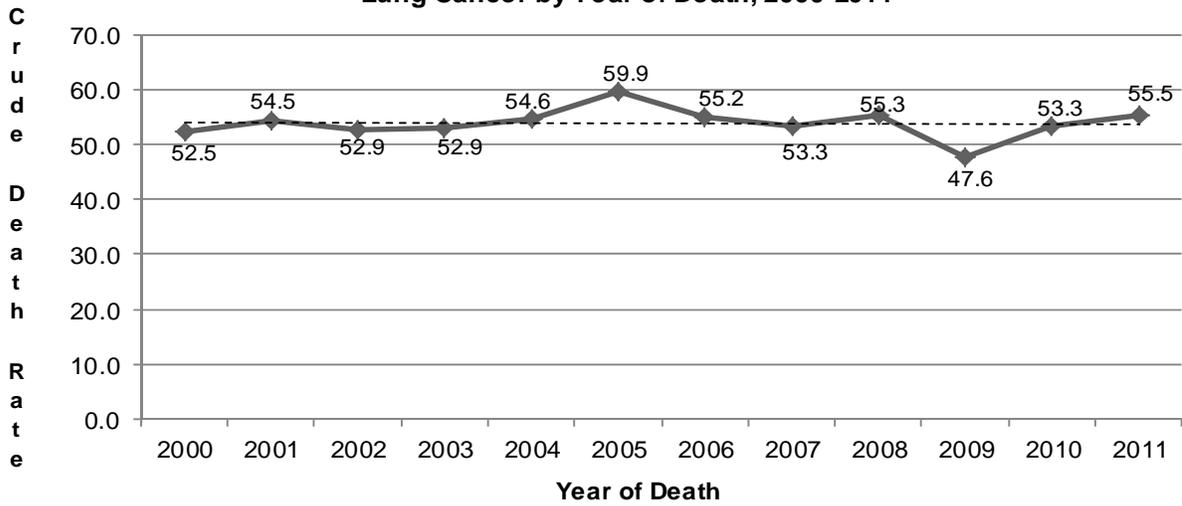
17f display the crude death rates for the six primary types of cancer deaths to South Dakota residents.



Note: The crude death rate is calculated using yearly U.S. Census Bureau population estimates for that year.

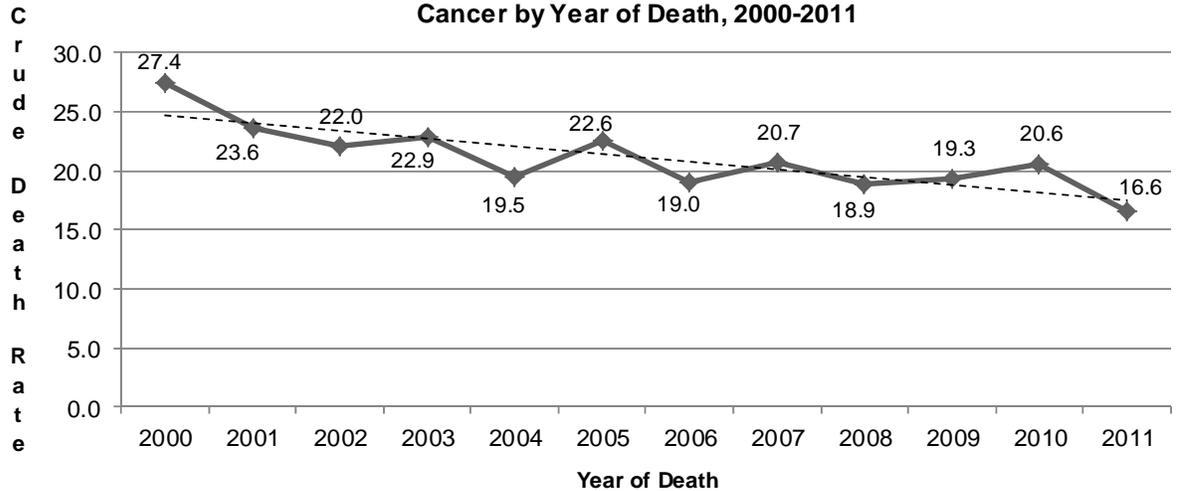
Source: South Dakota Department of Health, Office of Health Statistics

**Figure 17a**  
**South Dakota Resident Crude Death Rate Due to Trachea, Bronchus, and Lung Cancer by Year of Death, 2000-2011**



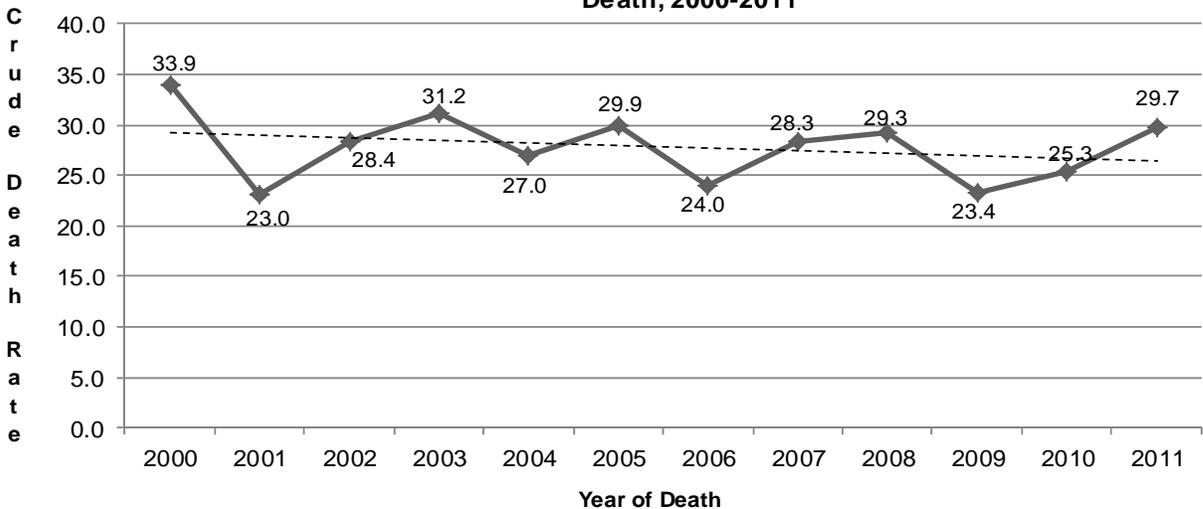
Note: The crude death rate is calculated using yearly U.S. Census Bureau population estimates for that year.  
 Source: South Dakota Department of Health, Office of Health Statistics

**Figure 17b**  
**South Dakota Resident Crude Death Rate Due to Colon, Rectum, and Anus Cancer by Year of Death, 2000-2011**



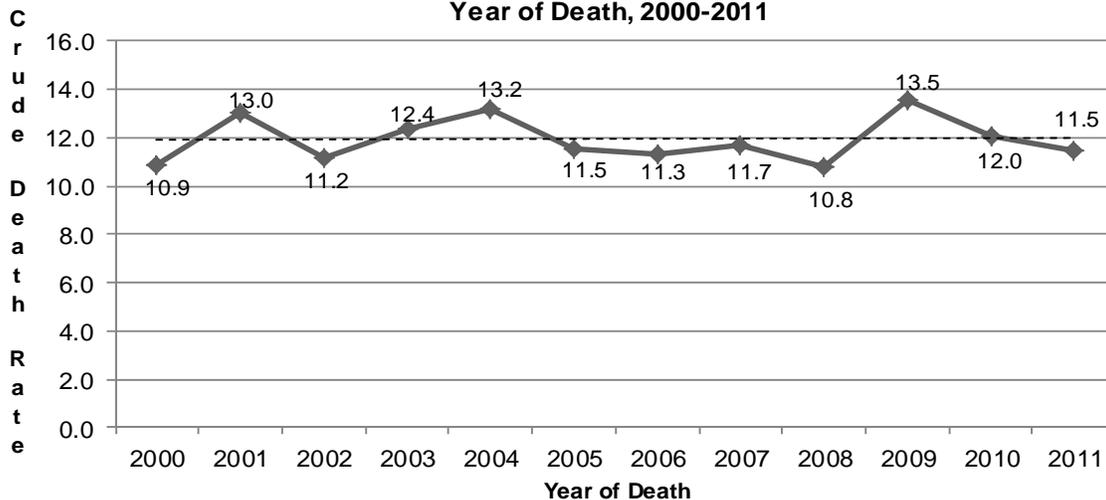
Note: The crude death rate is calculated using yearly U.S. Census Bureau population estimates for that year.  
 Source: South Dakota Department of Health, Office of Health Statistics

**Figure 17c**  
**South Dakota Resident Crude Death Rate Due to Female Breast Cancer by Year of Death, 2000-2011**



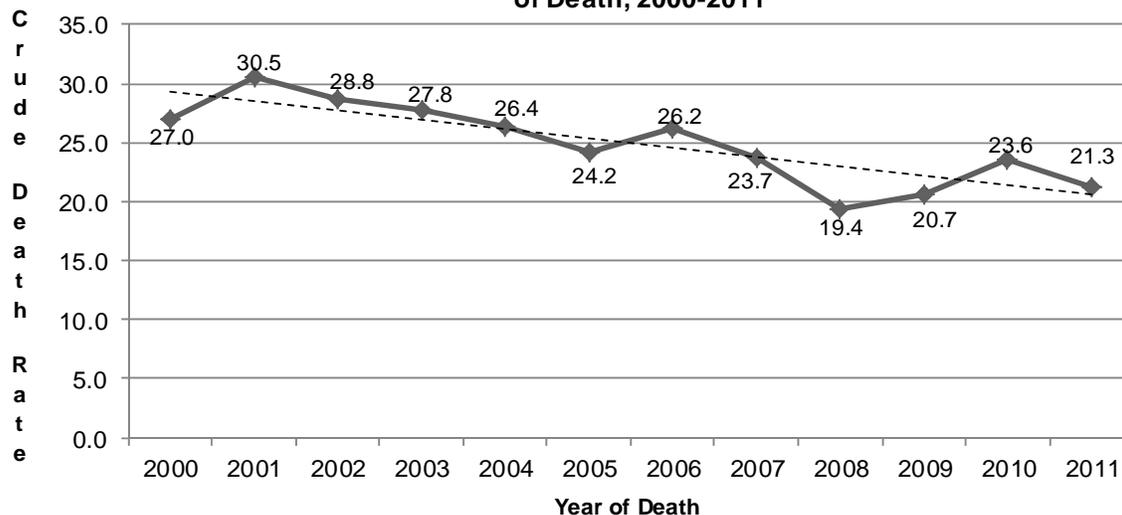
Note: The crude death rate is calculated using yearly U.S. Census Bureau population estimates for that year.  
 Source: South Dakota Department of Health, Office of Health Statistics

**Figure 17d**  
**South Dakota Resident Crude Death Rate Due to Pancreas Cancer by Year of Death, 2000-2011**



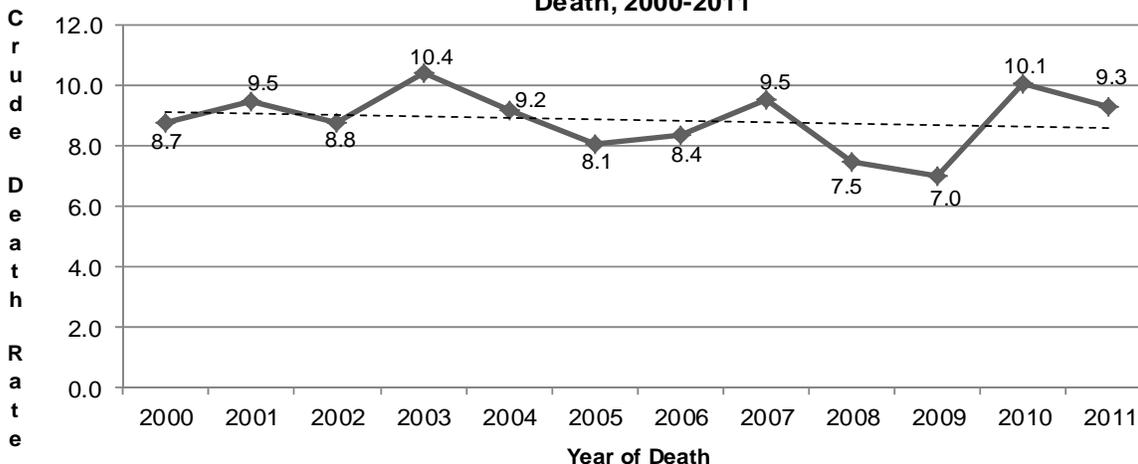
Note: The crude death rate is calculated using yearly U.S. Census Bureau population estimates for that year.  
 Source: South Dakota Department of Health, Office of Health Statistics

**Figure 17e**  
**South Dakota Resident Crude Death Rate Due to Prostate Cancer by Year of Death, 2000-2011**



Note: The crude death rate is calculated using yearly U.S. Census Bureau population estimates for that year.  
 Source: South Dakota Department of Health, Office of Health Statistics

**Figure 17f**  
**South Dakota Resident Crude Death Rate Due to Leukemia by Year of Death, 2000-2011**

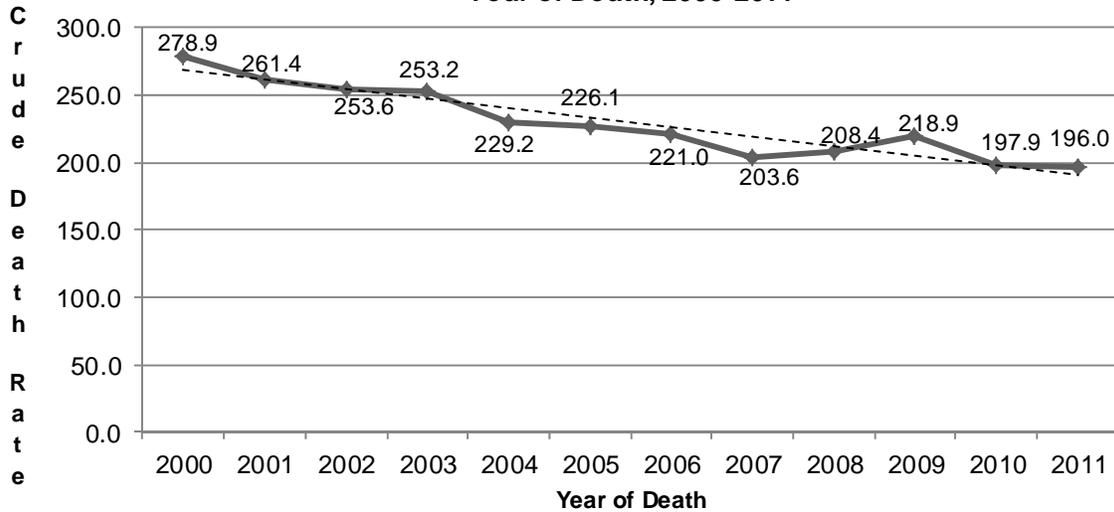


Note: The crude death rate is calculated using yearly U.S. Census Bureau population estimates for that year.  
 Source: South Dakota Department of Health, Office of Health Statistics

Figures 18 through 31, on the following pages, display the crude death rates for the

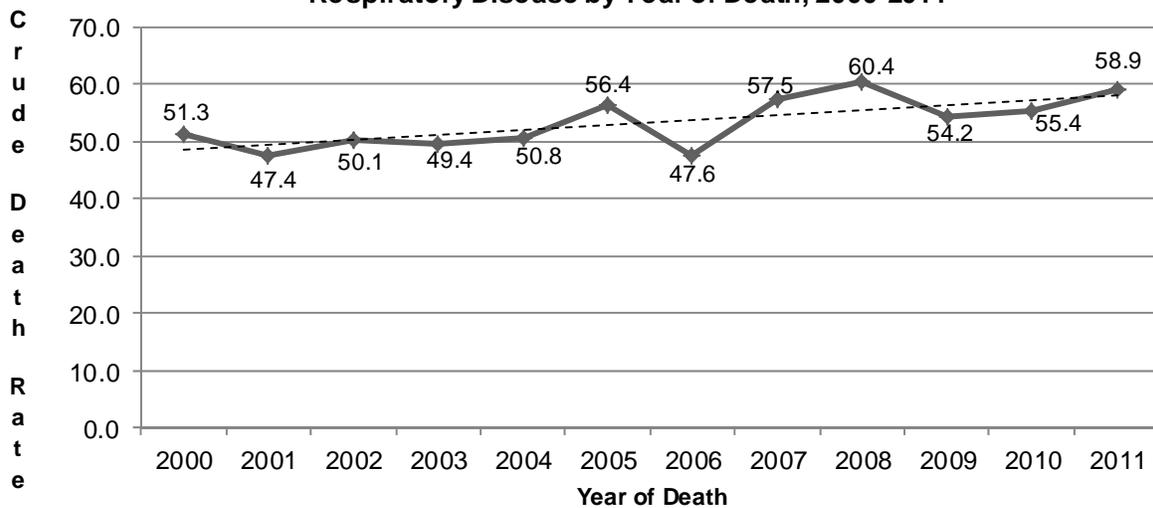
primary leading causes of death to South Dakota residents from 2000 to 2011.

**Figure 18**  
**South Dakota Resident Crude Death Rate Due to Heart Disease by Year of Death, 2000-2011**



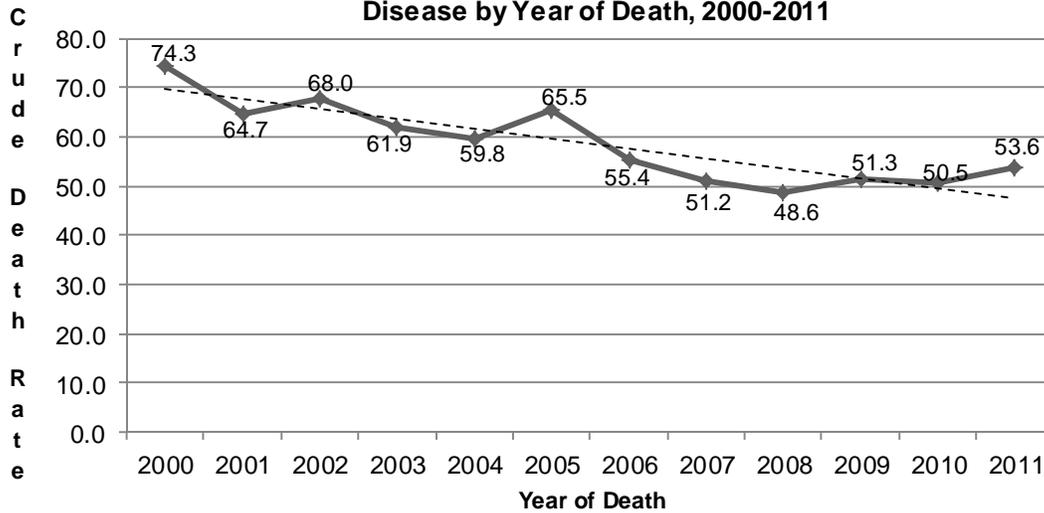
Note: The crude death rate is calculated using yearly U.S. Census Bureau population estimates for that year.  
 Source: South Dakota Department of Health, Office of Health Statistics

**Figure 19**  
**South Dakota Resident Crude Death Rate Due to Chronic Lower Respiratory Disease by Year of Death, 2000-2011**



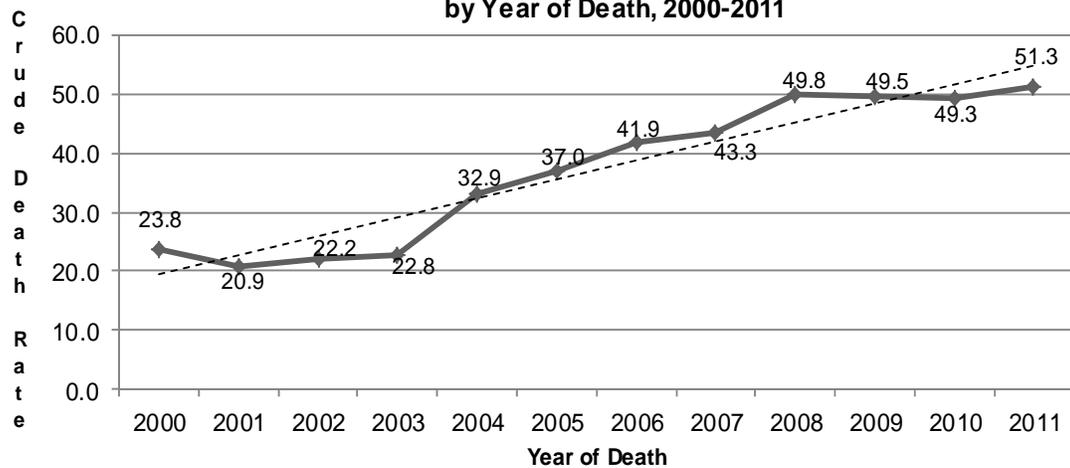
Note: The crude death rate is calculated using yearly U.S. Census Bureau population estimates for that year.  
 Source: South Dakota Department of Health, Office of Health Statistics

**Figure 20**  
**South Dakota Resident Crude Death Rate Due to Cerebrovascular Disease by Year of Death, 2000-2011**



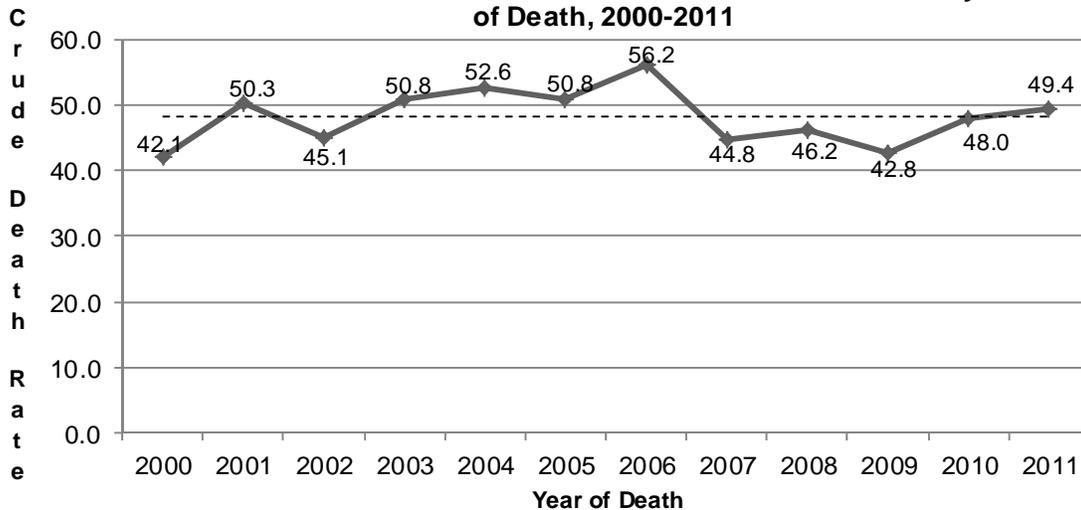
Note: The crude death rate is calculated using yearly U.S. Census Bureau population estimates for that year.  
 Source: South Dakota Department of Health, Office of Health Statistics

**Figure 21**  
**South Dakota Resident Crude Death Rate Due to Alzheimer's Disease by Year of Death, 2000-2011**



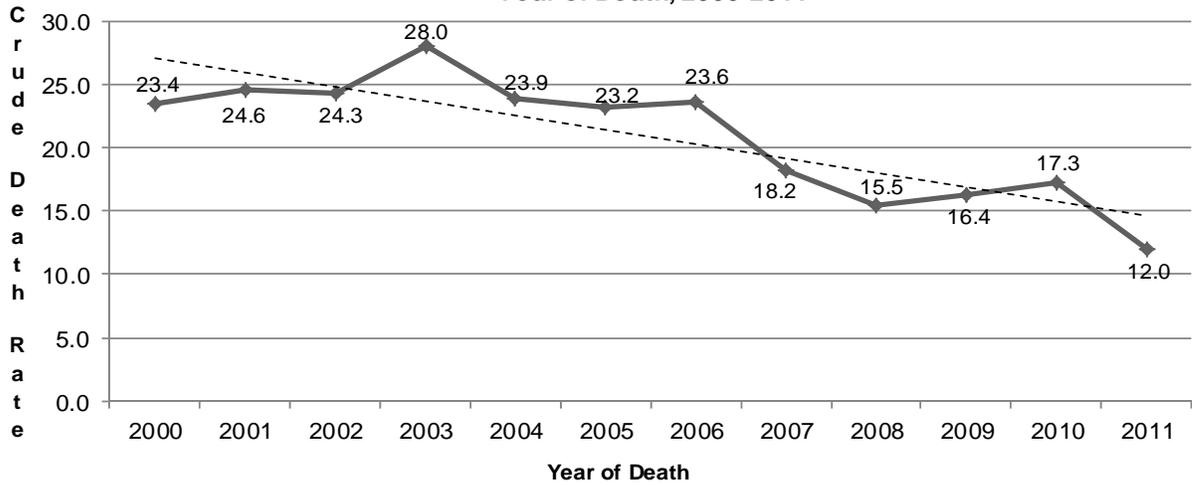
Note: The crude death rate is calculated using yearly U.S. Census Bureau population estimates for that year.  
 Source: South Dakota Department of Health, Office of Health Statistics

**Figure 22**  
**South Dakota Resident Crude Death Rate Due to Accidents by Year of Death, 2000-2011**



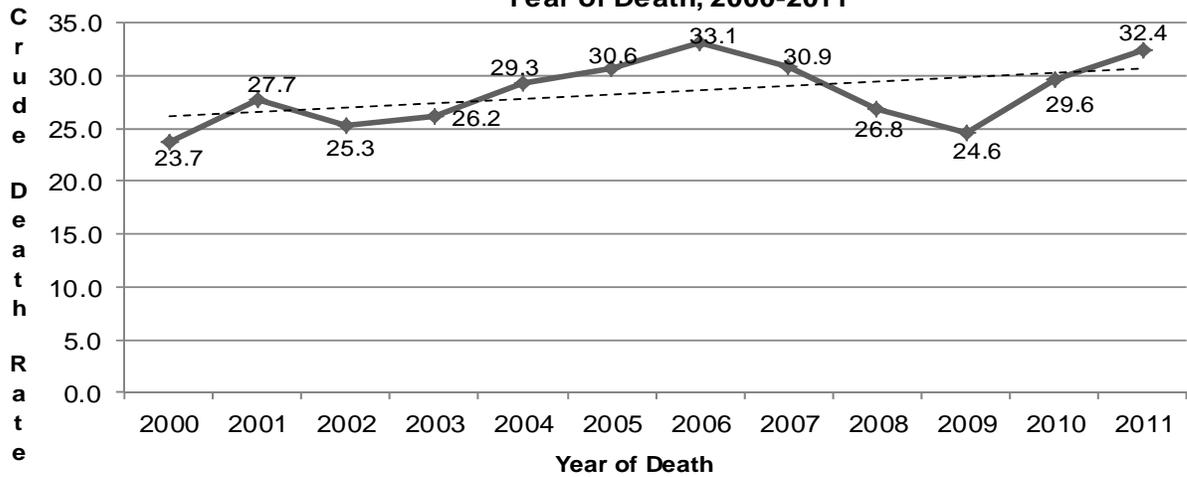
Note: The crude death rate is calculated using yearly U.S. Census Bureau population estimates for that year.  
 Source: South Dakota Department of Health, Office of Health Statistics

**Figure 22a**  
**South Dakota Resident Crude Death Rate Due to Motor Vehicle Accidents by Year of Death, 2000-2011**



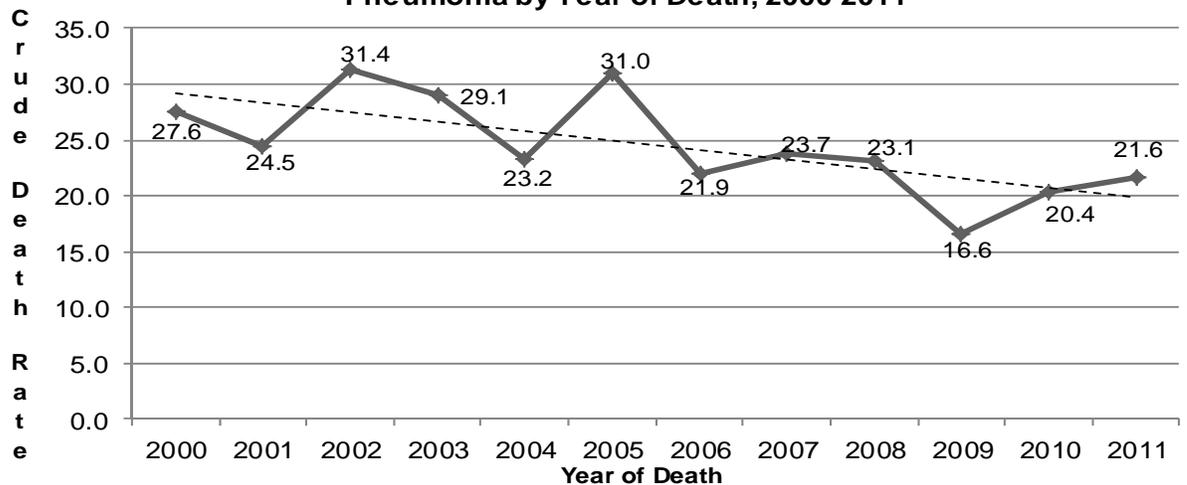
Note: The crude death rate is calculated using yearly U.S. Census Bureau population estimates for that year.  
 Source: South Dakota Department of Health, Office of Health Statistics

**Figure 23**  
**South Dakota Resident Crude Death Rate Due to Diabetes Mellitus by Year of Death, 2000-2011**



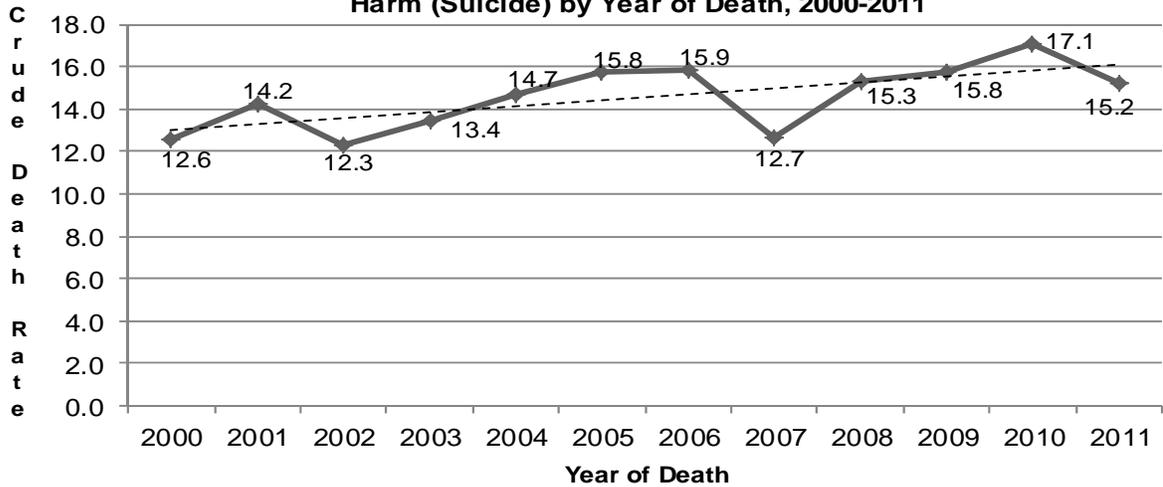
Note: The crude death rate is calculated using yearly U.S. Census Bureau population estimates for that year.  
 Source: South Dakota Department of Health, Office of Health Statistics

**Figure 24**  
**South Dakota Resident Crude Death Rate Due to Influenza and Pneumonia by Year of Death, 2000-2011**



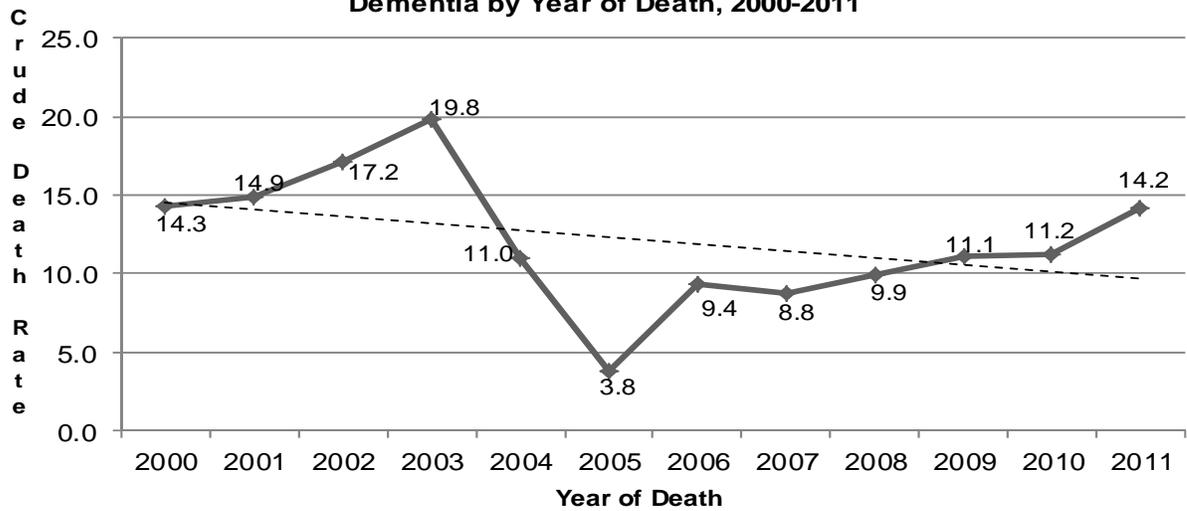
Note: The crude death rate is calculated using yearly U.S. Census Bureau population estimates for that year.  
 Source: South Dakota Department of Health, Office of Health Statistics

**Figure 25**  
**South Dakota Resident Crude Death Rate Due to Intentional Self-Harm (Suicide) by Year of Death, 2000-2011**



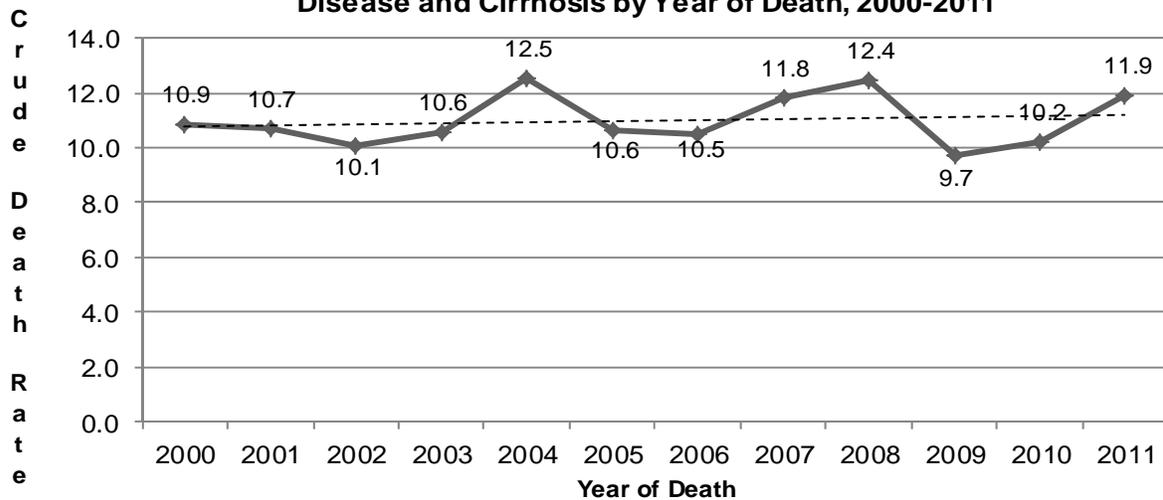
Note: The crude death rate is calculated using yearly U.S. Census Bureau population estimates for that year.  
 Source: South Dakota Department of Health, Office of Health Statistics

**Figure 26**  
**South Dakota Resident Crude Death Rate Due to Unspecified Dementia by Year of Death, 2000-2011**



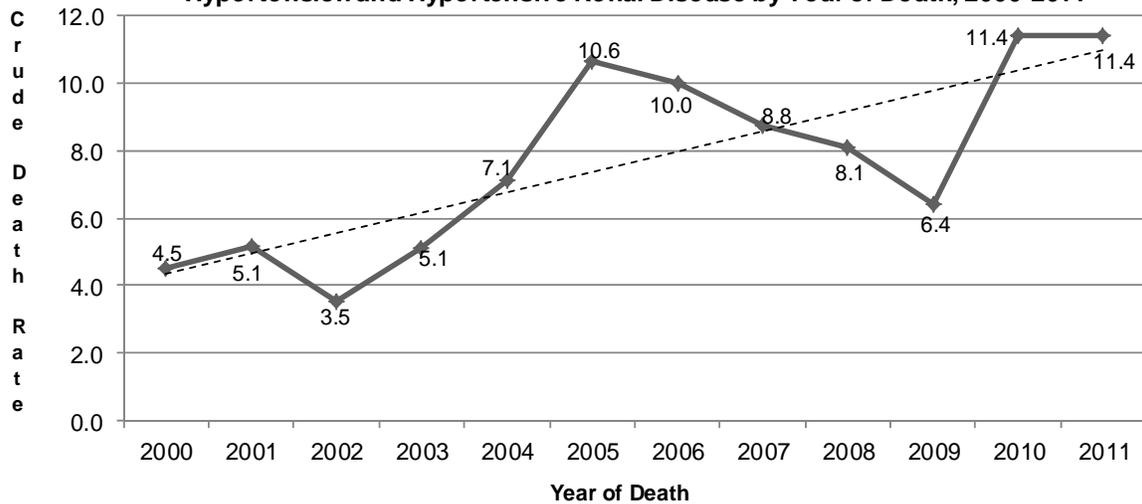
Note: The crude death rate is calculated using yearly U.S. Census Bureau population estimates for that year.  
 Source: South Dakota Department of Health, Office of Health Statistics

**Figure 27**  
**South Dakota Resident Crude Death Rate Due to Chronic Liver Disease and Cirrhosis by Year of Death, 2000-2011**



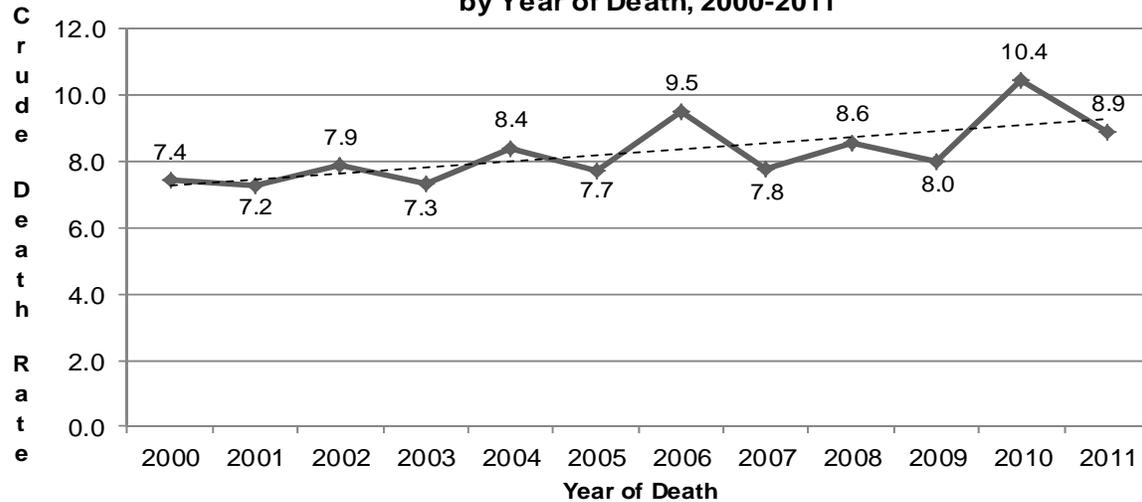
Note: The crude death rate is calculated using yearly U.S. Census Bureau population estimates for that year.  
 Source: South Dakota Department of Health, Office of Health Statistics

**Figure 28**  
**South Dakota Resident Crude Death Rate Due to Essential (Primary) Hypertension and Hypertensive Renal Disease by Year of Death, 2000-2011**



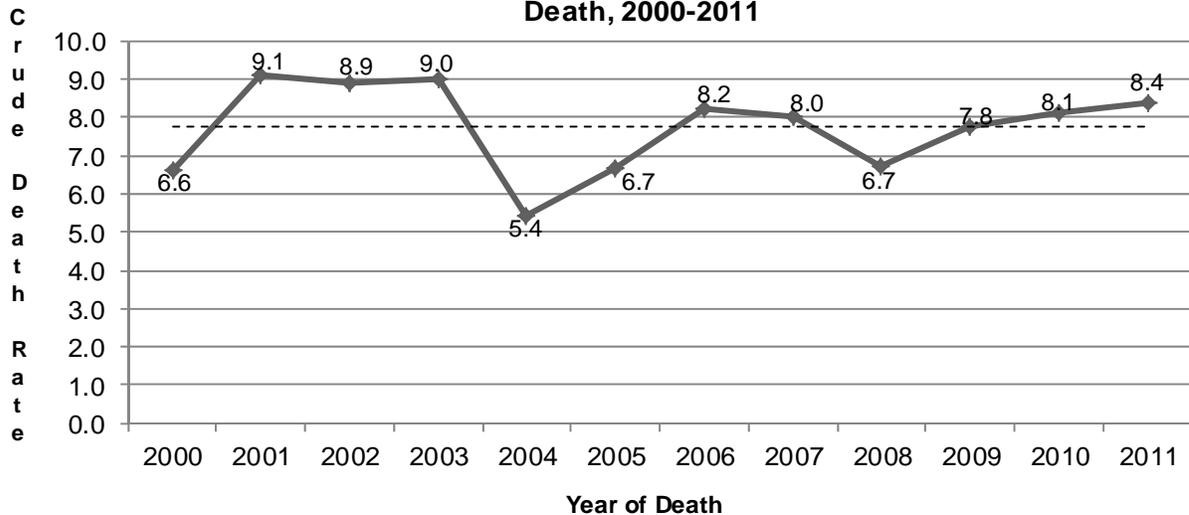
Note: The crude death rate is calculated using yearly U.S. Census Bureau population estimates for that year.  
 Source: South Dakota Department of Health, Office of Health Statistics

**Figure 29**  
**South Dakota Resident Crude Death Rate Due to Parkinson's Disease by Year of Death, 2000-2011**



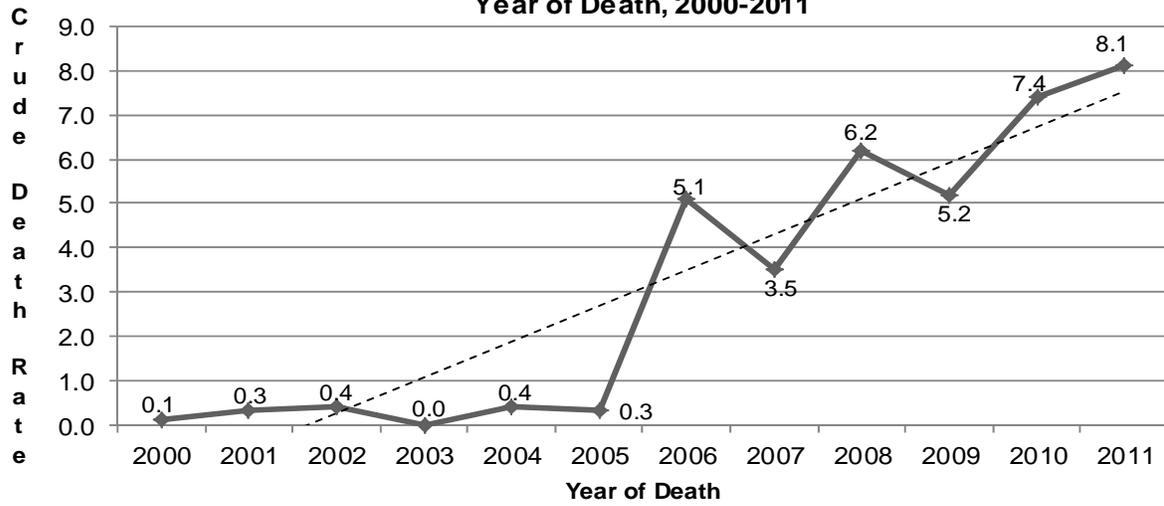
Note: The crude death rate is calculated using yearly U.S. Census Bureau population estimates for that year.  
 Source: South Dakota Department of Health, Office of Health Statistics

**Figure 30**  
**South Dakota Resident Crude Death Rate Due to Septicemia by Year of Death, 2000-2011**



Note: The crude death rate is calculated using yearly U.S. Census Bureau population estimates for that year.  
 Source: South Dakota Department of Health, Office of Health Statistics

**Figure 31**  
**South Dakota Resident Crude Death Rate Due to Vascular Dementia by**  
**Year of Death, 2000-2011**



Note: The crude death rate is calculated using yearly U.S. Census Bureau population estimates for that year.  
 \*The increase in deaths due to Vascular Dementia in 2006 was due to an improvement in classifying/coding.  
 Source: South Dakota Department of Health, Office of Health Statistics

