

10 Leading causes of death by year, South Dakota, 1996– 2017*

Rank	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
1	Heart 2,187	Heart 2,124	Heart 2,102	Heart 2,016	Heart 2,105	Heart 1,984	Heart 1,933	Heart 1,942	Heart 1,775	Heart 1,764	Heart 1,743	Heart 1,623	Heart 1,677	Heart 1,778	Cancer 1,651	Cancer 1,655	Heart 1,652	Heart 1,617	Heart 1,695	Heart 1,712	Heart 1,732	Cancer 1,717
2	Cancer 1,540	Cancer 1,548	Cancer 1,569	Cancer 1,635	Cancer 1,604	Cancer 1,598	Cancer 1,561	Cancer 1,645	Cancer 1,559	Cancer 1,610	Cancer 1,561	Cancer 1,606	Cancer 1,561	Cancer 1,506	Heart 1,611	Heart 1,615	Cancer 1,623	Cancer 1,574	Cancer 1,679	Cancer 1,632	Cancer 1,691	Heart 1,708
3	Stroke 481	Stroke 568	Stroke 537	Stroke 544	Stroke 561	Stroke 491	Stroke 518	Stroke 475	Stroke 463	Stroke 511	Accident 443	CLRD 458	CLRD 486	CLRD 440	CLRD 451	CLRD 485	CLRD 479	Accident 424	Accident 461	CLRD 500	Accident 503	Accident 537
4	Accident 339	CLRD 337	Accident 347	Accident 340	CLRD 387	Accident 382	CLRD 382	Accident 390	Accident 407	CLRD 440	Stroke 437	Stroke 408	Alzheimer 401	Stroke 417	Stroke 411	Stroke 442	Alzheimer 462	Alzheimer 420	CLRD 440	Accident 467	Alzheimer 449	CLRD 505
5	CLRD 294	Accident 300	CLRD 315	CLRD 338	Accident 318	CLRD 360	Accident 344	CLRD 379	CLRD 393	Accident 396	CLRD 375	Accident 357	Stroke 391	Alzheimer 402	Alzheimer 401	Alzheimer 423	Accident 417	Stroke 414	Stroke 439	Alzheimer 421	CLRD 427	Alzheimer 444
6	I & P 287	I & P 268	I & P 283	I & P 262	I & P 208	Diabetes 210	I & P 239	I & P 223	Alzheimer 255	Alzheimer 289	Alzheimer 330	Alzheimer 345	Accident 372	Accident 348	Accident 391	Accident 407	Stroke 410	CLRD 413	Alzheimer 433	Stroke 381	Stroke 420	Stroke 410
7	Diabetes 180	Diabetes 195	Diabetes 210	Diabetes 195	Alzheimer 180	I & P 186	Diabetes 193	Diabetes 201	Diabetes 227	I & P 242	Diabetes 261	Diabetes 246	Diabetes 216	Diabetes 200	Diabetes 241	Diabetes 267	Diabetes 219	Diabetes 239	Diabetes 223	Diabetes 282	Diabetes 253	Diabetes 262
8	Suicide 126	Suicide 126	Suicide 115	Alzheimer 156	Diabetes 179	Alzheimer 159	Alzheimer 169	Alzheimer 175	I & P 180	Diabetes 239	I & P 173	I & P 189	I & P 186	I & P 135	I & P 166	I & P 178	I & P 188	I & P 186	I & P 180	I & P 213	I & P 195	I & P 217
9	Alzheimer 78	Senility 88	Kidney 93	Suicide 103	Kidney 130	Mental 135	Mental 144	Mental 159	Suicide 114	Suicide 123	Suicide 125	Suicide 101	Suicide 123	Suicide 128	Suicide 139	Suicide 125	Suicide 135	Suicide 147	Suicide 141	Suicide 173	Suicide 161	Suicide 192
10	Mental 74	Kidney 75	Senility 77	Kidney 99	Suicide 95	Suicide 108	Kidney 128	Kidney 131	Liver 97	Liver 83	Liver 83	Liver 94	Liver 100	Kidney 99	EHPRD 93	Dementia 117	Liver 113	Liver 121	Liver 128	Liver 137	Liver 158	Liver 152
Total	6,793	6,855	6,850	6,941	7,014	6,915	6,886	7,109	6,811	7,074	7,038	6,800	7,056	6,913	7,087	7,287	7,283	7,079	7,500	7,724	7,838	7,991
CDR*					929	911	904	927	880	907	893	853	877	851	870	882	874	838	879	900	906	919
AADR*					805	786	772	787	742	758	732	695	712	689	713	716	707	677	710	715	719	736

*ICD-9 codes 1994-1998; ICD-10 codes 1999-2017.

Heart: Heart disease

CLRD: Chronic lower respiratory disease, also as COPD chronic obstructive pulmonary disease

Liver: Chronic liver disease and cirrhosis

Kidney: Nephritis, nephrotic syndrome and nephrosis

CDR: Crude death rate per 100,000 population

Cancer: Malignant neoplasms

I & P: Influenza and pneumonia

EHPRD: Essential (primary) Hypertension & Hypertensive Renal Disease

Senility: Senile and presenile organic psychotic conditions

AA DR: Age-adjusted death rate per 100,000 population

Stroke: Cerebrovascular diseases

Mental: Organic, including symptomatic, mental disorders

*There was a methodology change for calculating crude and age-adjusted death rates in 2000. Therefore prior years are not comparable.

Local physicians or coroners submit death certificates to the South Dakota Department of Health. Over the past 22 years, 1996-2017, the two most common causes of death were heart disease and cancer. During these two decades heart disease deaths have dramatically decreased, whereas cancer deaths increased slightly. Stroke deaths declined and were the sixth leading cause of death in 2017. Death causes that have increased during the two decades include deaths due to accidents, chronic lower respiratory disease, Alzheimer's, diabetes, suicide, and liver disease.

Age-grouped deaths during the 7-year period, 2013-2017, show accidental deaths as the leading cause of death in children and young adults in the 1-44 year age groups, cancer death is most common in the 45-84 year age groups, and heart disease death is most common in the elderly 85 years and older.

Source: South Dakota Vital Statistics Reports, 1996-2017.

10 Leading causes of death by age group, South Dakota, 2013-2017

Rank	Age Groups											Total
	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	
	Total 395	Total 87	Total 136	Total 520	Total 670	Total 1021	Total 2,126	Total 4,349	Total 6,065	Total 8,792	Total 13,951	Total 38,112
1	Conditions originating in perinatal period 155	Accidents 36	Accidents 54	Accidents 234	Accidents 252	Accidents 218	Cancer 511	Cancer 1,460	Cancer 2,083	Cancer 2,315	Heart disease 3,744	Heart disease 8,462
2	Congenital abnormalities 94	Homicide 12	Suicide 22	Suicide 172	Suicide 143	Suicides 138	Heart disease 369	Heart disease 948	Heart disease 1,322	Heart disease 1,902	Cancer 1,724	Cancer 8,290
3	Accidents 44	Congenital abnormalities 8	Cancer 12	Homicide 31	Liver disease 42	Heart disease 130	Accidents 248	Accidents 267	Chronic lower respiratory diseases 499	Chronic lower respiratory diseases 740	Alzheimer's disease 1,582	Accidents 2,390
4	SIDS 34	Cancer 6	Homicide 9	Cancer 22	Heart disease 33	Cancer 125	Liver disease 182	Chronic lower respiratory diseases 209	Diabetes 252	Stroke 515	Stroke 1,114	Chronic lower respiratory diseases 2,285
5	Unknown causes 21	Influenza & pneumonia 3	Congenital abnormalities 6	Heart disease 10	Homicide 33	Liver disease 121	Suicide 145	Diabetes 199	Stroke 220	Alzheimer's disease 478	Chronic lower respiratory diseases 785	Alzheimer's disease 2,167
6	Homicide 9	Other viral diseases 2	Other metabolic disorders 3	Undetermined intent 5	Cancer 31	Diabetes 46	Diabetes 82	Liver Disease 181	Accidents 182	Accidents 315	Influenza & pneumonia 571	Stroke 2,064
7	Other metabolic disorders 6	Other disorders of nervous system 2	Heart disease 3	Episodic & paroxysmal disorders 4	Diabetes 14	Homicide 24	Stroke 57	Stroke 129	Liver Disease 105	Diabetes 303	Accidents 540	Diabetes 1,259
8	Influenza & pneumonia 6	Bronchitis 2	Cerebral Palsy 3	Legal intervention 4	Episodic & paroxysmal disorders 10	Stroke 17	Chronic lower respiratory diseases 44	Suicide 106	Influenza & pneumonia 103	Influenza & pneumonia 193	Unspecified dementia 423	Influenza & pneumonia 991
9	Other viral diseases 3	Undetermined intent 2		Ill-defined and unknown causes 4	Influenza & pneumonia 9	Septicemia 16	Influenza & pneumonia 40	Septicemia 66	Alzheimer's disease 86	Parkinson's disease 171	Diabetes 361	Suicide 814
10	Stroke 3	Ill-defined and unknown causes 2		Cerebral Palsy 4	Stroke 7	Mental & behavioral disorders due to alcohol 16	Mental & behavioral disorders due to alcohol 39	Influenza & pneumonia 52	Kidney disease 73	Septicemia 121	Hypertension 297	Liver disease 695
11	Undetermined intent 3				Pregnancy & childbirth 7					Unspecified dementia 121		
	All other 17	All other 12	All other 24	All other 30	All other 89	All other 170	All other 409	All other 732	All other 1,140	All other 1,613	All other 2,810	All other 8,695

Top 5 causes of death are highlighted.

Source: South Dakota Vital Statistics Reports, 2013-2017