

# 10 Leading causes of death by year, South Dakota, 1994 – 2015

Rank	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
1	Heart 2,275	Heart 2,273	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
2	Cancer 1,470	Cancer 1,564	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
3	Stroke 496	Stroke 533	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
4	Accident 303	CLRD 325	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
5	CLRD 298	Accident 313	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
6	I & P 284	I & P 313	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
7	Diabetes 178	Diabetes 169	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
8	Suicide 96	Suicide 86	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
9	Liver 86	Kidney 76	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
10	Kidney 83	Liver 76	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
Total	6,724	6,901	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
CDR	966	992	976	985	984	997	929	911	904	927	880	907	893	853	877	851	870	882	874	838	879	900
AADR	779	798	788	790	791	799	805	786	772	787	742	758	732	695	712	689	713	716	707	677	710	*

ICD-9 codes 1994-1998; ICD-10 codes 1999-2015.

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

\*2015 population estimates by age group needed to calculate age-adjusted rates are not available at this time

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

Local physicians or coroners assign and document causes of death, and then submit death certificates to the South Dakota Department of Health. Over the past 22 years, 1994-2015, the two most common causes of death were heart disease and cancer. During these years heart disease deaths have dramatically decreased, whereas cancer deaths increased slightly. Stroke deaths declined and were the sixth leading cause of death in 2015. Deaths due to accidents, chronic lower respiratory disease, Alzheimer's, diabetes, suicide, and liver disease have increased during these years.

Age-grouped deaths during the 5-year period, 2011-2015, 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.

# 10 Leading causes of death by age group, South Dakota, 2011-2015

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 422	Total 83	Total 117	Total 492	Total 605	Total 933	Total 2,162	Total 4,050	Total 5,529	Total 8,687	Total 13,771	Total 36,851
1	Conditions originating perinatal per. 174	Accidents 30	Accidents 46	Accidents 214	Accidents 226	Accidents 200	Cancer 567	Cancer 1,403	Cancer 1,924	Cancer 2,360	Heart disease 3,792	Heart disease 8,291
2	Congenital abnormalities 103	Homicide 13	Cancer 14	Suicide 153	Suicide 124	Cancer 127	Heart disease 361	Heart disease 882	Heart disease 1,207	Heart disease 1,867	Cancer 1,714	Cancer 8,164
3	Accidents 40	Congenital abnormalities 10	Suicide 14	Homicide 28	Liver disease 38	Heart disease 126	Accidents 256	Accidents 234	Chron. low resp. disease 467	Chron. low resp. disease 743	Alzheimer's disease 1,594	Chron. low resp. disease 2,317
4	SIDS 39	Cancer 7	Influenza & pneumonia 5	Cancer 26	Heart disease 35	Liver disease 116	Liver disease 161	Chron. low resp. disease 201	Diabetes 247	Stroke 570	Stroke 1,119	Accidents 2,176
5	Unknown causes 17	Unknown causes 6	Congenital abnormalities 5	Heart disease 14	Cancer 22	Suicide 112	Suicide 140	Diabetes 193	Stroke 212	Alzheimer's disease 457	Chron. low resp. disease 847	Alzheimer's disease 2,159
6	Influenza & pneumonia 9	Influenza & pneumonia 3	Homicide 4	Diabetes 7	Homicide 19	Diabetes 35	Diabetes 85	Liver disease 145	Accidents 158	Accidents 300	Influenza & pneumonia 561	Stroke 2,086
7	Homicide 8	Bronchitis 2	Septicemia 3	Undetermined intent 5	Diabetes 14	Stroke 17	Chron. low resp. disease 55	Stroke 110	Alzheimer's disease 88	Diabetes 289	Accidents 472	Diabetes 1,230
8	Other metabolic disorders 6	Undetermined intent 2	Heart disease 3	Cerebral palsy 5	Pregnancy & childbirth 11	Homicide 17	Stroke 50	Suicide 110	Liver disease 83	Influenza & pneumonia 181	Unspecified dementia 412	Influenza & pneumonia 945
9	Other viral diseases 3		Cerebral palsy 3	Paroxysmal disorders 4	Undetermined intent 10	Septicemia 16	Alcohol use 50	Septicemia 58	Influenza & pneumonia 81	Parkinson's disease 158	Diabetes 359	Suicide 721
10	Heart disease 3		Other viral diseases 2	Influenza & pneumonia 4	Influenza & pneumonia 9	Undetermined intent 13	Septicemia 32	Influenza & pneumonia 49	Kidney disease 58	Unspecified dementia 126	Hypertension 288	Liver disease 597
	All other 20	All other 10	All other 18	All other 32	All other 97	All other 154	All other 405	All other 665	All other 1,004	All other 1,636	All other 2,613	All other 8,165

Top 5 causes of death are highlighted.

Source: South Dakota Vital Statistics Reports, 2011-2015.