

## Causes of Death

### Selected Causes of Death for South Dakota Residents by Year of Death, 2015-2024 (Excluding Infant Deaths)

Cause of Death	Total	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Total Deaths	84,229	7,634	7,779	7,897	7,901	8,193	9,776	9,112	8,868	8,429	8,429
Heart disease (I00-I09, I11, I13, I20-I51)	17,623	1,712	1,732	1,708	1,797	1,838	1,818	1,691	1,835	1,782	1,710
Cancer (C00-C97)	17,052	1,632	1,690	1,717	1,631	1,736	1,727	1,740	1,686	1,739	1,754
Chronic lower respiratory diseases (J40-J47)	4,633	500	427	505	498	521	429	464	415	424	450
Alzheimer's disease (G30)	4,470	421	449	444	437	496	488	396	436	398	505
Stroke (I60-I69)	3,970	381	419	409	386	372	425	391	391	381	415
COVID-19 (U07)	2,974	0	0	0	0	0	1,497	775	448	151	103
Diabetes (E10-E14)	2,852	282	253	262	252	287	329	306	336	263	282
Chronic liver disease and cirrhosis (K70 & K73-K74)	2,128	137	158	152	185	154	235	329	281	235	262
Dementia (F00-F03)	1,998	198	192	183	212	146	194	196	199	255	223
Accidental falls (W00-W19)	1,972	181	185	196	149	202	217	229	219	189	205
Suicide (X60-X84, Y87.0)	1,836	173	161	192	168	185	185	202	192	180	198
Influenza and pneumonia (J09-J18)	1,734	212	195	215	245	188	142	121	127	130	159
Motor vehicle accidents	1,522	143	134	165	155	130	153	172	165	145	160
Hypertension (I10, I12, I15)	1,119	104	92	102	113	126	127	124	122	102	107
Septicemia (A40-A41)	1,036	119	81	100	117	120	104	107	99	97	92
Parkinson's disease (G20-G21)	959	80	86	89	104	91	102	98	99	94	116
Kidney disease (N00-N07, N17-N19, N25-N27)	814	79	92	75	71	72	66	86	79	102	92
Accidental drug overdose (X40-X44)	653	44	52	54	43	71	70	86	83	73	77
Malnutrition (E40-E46)	633	13	27	17	49	62	86	71	106	122	80
Aspiration pneumonia (J69)	609	59	72	55	64	70	57	54	55	70	53

Cause of Death	Total	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Chronic alcohol abuse (F10)	493	36	32	38	34	39	42	73	63	58	78
High cholesterol/triglycerides (E78)	450	44	36	34	26	44	36	50	48	68	64
Urinary tract infection (N39.0)	426	39	44	50	43	40	41	51	42	31	45
Homicide (X85-Y09, Y87.1)	408	33	36	33	31	30	52	45	53	39	56
Pulmonary fibrosis (J84.1)	389	32	45	34	35	39	39	45	48	34	38
Paralytic ileus and intestinal obstruction without hernia (K56)	348	24	37	34	35	28	33	35	39	41	42
Aortic aneurysm and dissection (I71)	340	39	36	37	33	22	44	32	30	37	30
Gastrointestinal hemorrhage, unspecified (K92.2)	294	29	35	31	30	26	36	13	25	33	36
Peripheral vascular disease, unspecified (I73.9)	269	17	32	26	31	20	23	30	26	32	32
Lewy Body Dementia (G31.8)	267	19	27	21	34	23	25	23	33	31	31
Senile degeneration of brain (G31.1)	256	6	4	5	8	24	20	23	29	56	81
Preleukemia (D46)	249	32	26	29	24	31	21	16	28	18	24
Bowel infarction (Plus other vascular disorders of intestine) (K55)	244	20	27	27	23	22	26	27	26	16	30
Obesity (E66)	237	15	21	20	17	26	21	38	34	22	23
Amyotrophic lateral sclerosis (ALS) (G12.2)	235	23	29	23	21	18	18	27	24	26	26
Interstitial lung disease (J84.9)	197	11	21	23	20	18	22	14	18	30	20
Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)	194	11	14	20	23	21	25	25	17	19	19
Gallstones and other disorders of gallbladder (K80-K82)	155	10	12	11	12	19	15	21	18	17	20
Undetermined cause of death (R96-R99)	146	18	27	7	13	13	10	19	10	11	18
Fatty liver (K76.0)	144	9	8	19	5	15	17	16	22	21	12
Multiple sclerosis (G35)	138	9	21	13	12	13	16	11	12	14	17
Peptic ulcer (K25-K28)	135	10	6	13	13	16	16	16	15	12	18
Senility (R54)	132	12	15	9	13	17	10	10	18	13	15
Accidental poisoning by and exposure to alcohol (X45)	131	9	11	10	11	12	23	15	11	10	19
Cellulitis (L03)	126	6	9	12	11	14	17	14	22	12	9
Bone infection (M86)	121	2	10	9	13	14	18	17	10	12	16
Enterocolitis due to Clostridium difficile (A04.7)	120	17	11	21	9	10	6	12	15	8	11

Cause of Death	Total	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Accidental exposure to smoke, fire, and flames (x00-x09)	114	9	10	19	8	11	11	19	12	10	5
Blood clot (I80)	113	7	11	11	12	18	10	15	11	7	11
Accidental drowning (W65-W74)	106	11	7	8	11	12	13	13	12	6	13
Exposure to excessive natural cold (X31)	104	5	14	13	13	10	8	9	15	9	8
Rheumatoid arthritis (M05-M06)	101	16	10	16	17	3	6	7	8	14	4
Acute pancreatitis (K85)	100	7	10	10	8	14	7	10	14	11	9
Epilepsy (G40)	94	12	6	9	7	11	5	11	9	12	12
Liver disease, unspecified type (K76.9)	90	11	17	9	7	9	7	7	7	10	6
Hernia (K40-K46)	90	11	6	9	10	5	9	15	8	7	10
Diverticular disease of intestine (K57)	88	7	6	5	12	11	9	8	16	4	10
Degenerative diseases of the spine (M40-M54)	85	6	10	11	7	9	7	12	9	6	8
Coagulation defects, purpura, and other hemorrhagic conditions (D65-D69)	85	8	12	10	6	6	8	9	10	6	10
Brain damage due to lack of oxygen (G93.1)	85	5	6	9	6	9	10	12	11	7	10
Perforation of intestine (K63.1)	84	8	10	6	5	6	14	13	5	9	8
Events of undetermined intent (Y10-Y34, Y87.2, Y89.9)	80	17	4	6	5	12	8	6	10	8	4
Amyloidosis (E85)	80	5	8	2	7	6	12	6	16	10	8
Viral hepatitis (B15-B19)	79	11	11	6	9	7	6	9	7	9	4
Cerebral palsy (G80)	78	9	10	5	9	5	10	7	6	7	10
Atherosclerosis (I70)	75	17	9	4	9	6	10	5	4	5	6
Infectious inflammatory issues with the stomach and intestines (Including colitis, gastroenteritis, diarrhea, and vomiting (A09)	75	10	4	8	7	9	3	9	5	10	10
Brain dysfunction caused by a chemical imbalance in the blood (E88.9)	75	4	0	4	3	5	12	16	9	9	13
Brain illness/dysfunction (Encephalopathy) (G93.4)	73	5	2	6	8	10	7	11	8	9	7
Anemia, unspecified (D64.9)	69	11	6	7	5	6	3	7	7	12	5
Choking on food (W79)	69	4	10	7	4	7	3	5	8	13	8
Frontotemporal dementia (G31.0)	68	3	8	8	4	7	9	8	8	6	7
Benign neoplasms (D10-D36)	68	9	5	7	1	5	9	12	5	5	10
Liver failure (K72)	67	6	5	3	7	6	6	11	9	8	6
Lung disease (Plus other disorders of lung) (J98.4)	66	4	7	7	6	5	4	9	6	9	9
Diseases of peritoneum (K65-K67)	63	8	5	3	7	4	5	13	5	4	9

Cause of Death	Total	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Respiratory failure (J96)	63	3	4	3	2	13	9	6	6	9	8
Osteoporosis (M80-M82)	60	9	3	7	7	9	3	6	3	6	7
Volume depletion (E86)	57	8	6	10	2	5	7	5	6	5	3
Enlarged prostate (N40)	56	2	2	7	4	10	6	4	8	9	4
Chronic drug abuse (F11-F16, F18-F19)	54	6	5	6	2	3	3	3	7	9	10
Kidney infection (N10-N12, N13.6, N15.1)	52	3	2	4	8	5	3	5	10	11	1
Thyroid gland disorders (E00-E07)	49	5	2	2	4	6	3	4	10	9	4
Sleep apnea (G47.3)	49	0	8	3	7	8	3	5	7	5	3
Acidosis (E87.2)	48	3	4	2	8	6	0	11	2	7	5
Bone marrow disorders (D47.1)	47	5	4	4	4	7	6	2	4	5	6
Scleroderma (M34)	45	6	4	7	7	7	6	3	2	1	2
Human immunodeficiency virus (HIV) disease (B20-B24)	44	2	6	3	7	7	1	8	5	1	4
Accidental discharge of firearms (W32-W34)	44	5	5	2	7	0	5	0	7	5	8
Septic arthritis (M00)	42	2	2	4	2	11	1	3	7	3	7
Legal intervention (Y35, Y89.0)	39	2	5	4	4	3	2	4	7	4	4
Fungal infection (B35-B49)	39	7	6	3	6	2	0	7	4	2	2
Pancytopenia and/or aplastic anemia (D61.9)	38	6	7	5	2	2	2	3	3	3	5
High potassium (E87.5)	36	1	3	2	4	7	4	1	5	7	2
Huntington's disease (G10)	34	2	4	5	7	1	3	3	2	2	5
Complications of medical and surgical care (Y40-Y84, Y88)	33	1	5	3	3	2	4	4	3	3	5
Gastro-esophageal reflux disease (GERD) (K21)	33	1	3	2	2	2	1	5	3	7	7
Polyneuropathies and other disorders of the peripheral nervous system (G60-G64)	32	4	1	2	4	3	3	4	4	3	4
Choking on any object except food (W80)	32	1	2	3	2	0	5	3	2	7	7
Bacterial infection, unspecified (A49.9)	32	2	2	0	3	0	4	6	6	6	3
Osteoarthritis (M15-M19)	31	2	2	5	5	6	2	4	3	2	0
Staph infection (A49.0)	30	4	2	1	2	4	5	2	2	3	5
Kidney stones (N20-N23)	30	0	2	1	2	2	6	4	7	4	2
Arterial embolism and thrombosis (I74)	29	1	4	3	2	1	2	4	3	4	5
Bloodstream infection (Plus other bacterial infections) (A49.1-A49.8)	28	2	1	0	2	2	1	3	6	6	5
Myasthenia gravis (G70.0)	28	6	4	3	2	3	1	2	3	0	4

Cause of Death	Total	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Positional asphyxia (W84)	27	1	4	4	4	1	3	2	1	5	2
Meningitis (G00, G03)	26	3	1	4	2	5	2	3	1	2	3
Brain and central nervous system neoplasms of unknown behavior (D43)	26	2	6	2	1	2	3	3	2	0	5
Depression (F32)	25	1	2	2	1	4	2	5	2	2	4
Explosion (W35-W40)	25	0	7	0	1	3	3	0	2	3	6
Gastritis and duodenitis (K29)	25	5	3	1	2	2	3	4	2	0	3
Excess sodium in the blood (E87.0)	25	4	1	3	1	0	4	3	2	5	2
Rhinovirus (Common cold) (B34.8)	24	2	1	1	4	3	0	2	2	5	4
Contact with non-agricultural and unspecified machinery (W31)	24	1	5	0	1	2	6	2	2	2	3
Respiratory syncytial virus (RSV) (B34.8)	24	1	2	0	4	2	0	4	4	5	2
Esophageal obstruction (K22.2)	23	3	4	2	2	4	1	2	1	1	3
Rhabdomyolysis (Plus other disorders of muscle) (M62)	23	1	1	1	4	1	0	3	3	4	5
Pyothorax (J86)	23	2	0	2	1	4	4	2	2	2	4
Disorders of mineral metabolism (E83)	23	1	1	2	0	2	2	4	6	4	1
Huffing (X46, X47, X49)	22	3	2	3	2	2	4	1	1	4	0
West Nile fever (A92.3)	21	1	4	2	3	1	2	2	1	4	1
Crohn's disease (K50)	21	2	2	3	2	0	3	3	4	0	2
Tuberculosis (A16-A19)	20	3	2	4	1	1	1	2	1	2	3
Fluid overload (E87.7)	20	2	3	2	0	0	2	3	3	4	1
Flesh-eating disease (M72.6)	19	0	0	1	3	2	2	1	4	2	4
Sarcoidosis (D86)	19	2	1	2	2	3	0	2	2	3	2
Struck by thrown, projected, or falling object (W20)	18	2	2	1	2	0	4	2	2	1	2
Contact with agricultural machinery (W30)	18	3	2	3	5	0	1	0	1	2	1
Immunocompromised condition (D89)	17	2	1	2	3	0	1	1	3	1	3
Water transport accidents (V90-V94)	17	4	4	0	0	1	1	2	2	2	1
Accidental poisoning and exposure to carbon monoxide (x47)	17	1	1	1	1	0	1	4	6	2	0
Schizophrenia (F20)	16	4	3	2	0	1	0	3	0	1	2
Exposure to excessive natural heat (X30)	15	1	1	2	0	0	3	1	2	3	2
Aircraft accidents (V95)	15	1	3	1	3	2	2	0	2	0	1
Ulcerative colitis (K51)	14	0	0	2	1	1	0	2	3	3	2

Cause of Death	Total	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Schizoaffective disorders (F25)	14	1	0	2	0	0	2	2	1	4	2
Abnormal involuntary movements of esophagus (K22.4)	14	3	0	0	0	1	1	3	2	3	1
Acute bronchitis and bronchiolitis (J20-J21)	14	3	1	1	0	2	3	1	3	0	0
Skin abscess and/or boil (L02)	13	0	1	2	1	0	2	2	0	2	3
Human metapneumovirus (HMPV) (B34.8)	13	0	2	0	2	1	4	1	0	0	3
Acute upper respiratory infections (J00-J06)	13	0	4	1	0	2	2	0	2	1	1
Neurotic, stress-related, and somatoform disorders (F40-F48)	11	0	0	1	0	2	2	0	0	3	3
Parainfluenza (B34.8)	11	0	0	0	3	2	2	0	1	1	2
Myositis (M60)	11	0	1	1	0	4	2	0	1	0	2
Noninflammatory disorders of female genital tract (N80-N98)	11	1	2	1	1	2	0	2	0	2	0
Accidental suffocation and strangulation in bed (W75)	10	1	2	1	0	1	1	1	0	0	3

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

Note: Causes of death in yellow highlight indicate that the largest number of deaths (Highest death rate by at least 5%) in the past 10 years occurred in 2024; causes of death in blue highlight indicate that the smallest number of deaths (Lowest death rate by at least 5%) in the past 10 years occurred in 2024.

Figure 1  
South Dakota Resident Crude Death Rate Due to Heart Disease by Year of Death, 2015-2024

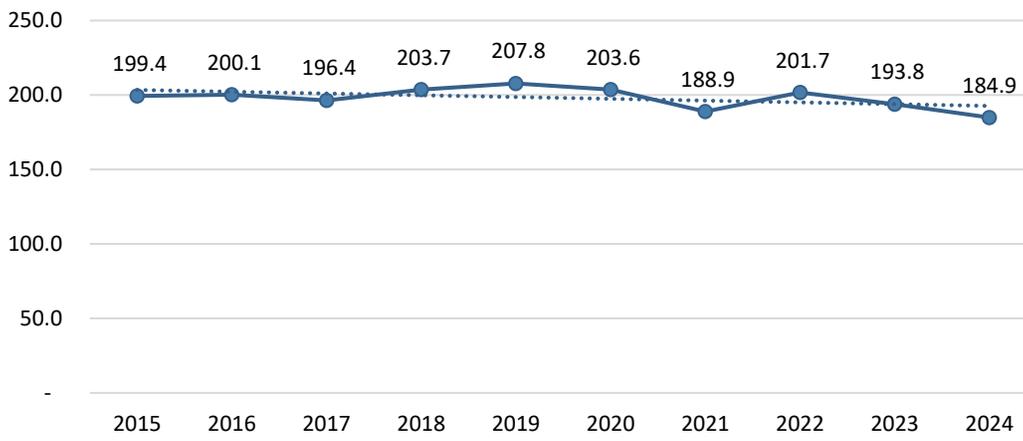


Figure 2  
South Dakota Resident Crude Death Rate Due to Cancer by Year of Death, 2015-2024

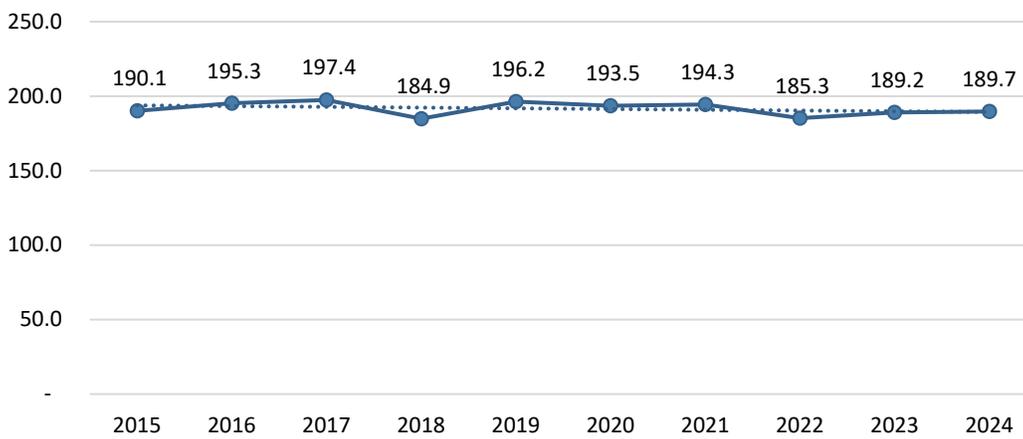
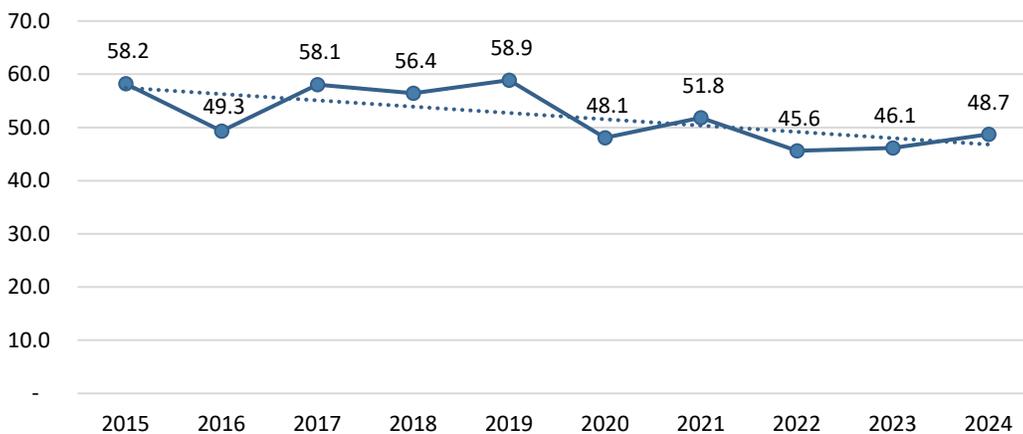


Figure 3  
South Dakota Resident Crude Death Rate Due to Chronic Lower Respiratory Diseases by Year of Death, 2015-2024



\*crude death rates are per 100,000 population  
Source: South Dakota Department of Health, Office of Health Statistics

Figure 4  
South Dakota Resident Crude Death Rate Due to Alzheimers Disease by Year of Death, 2015-2024

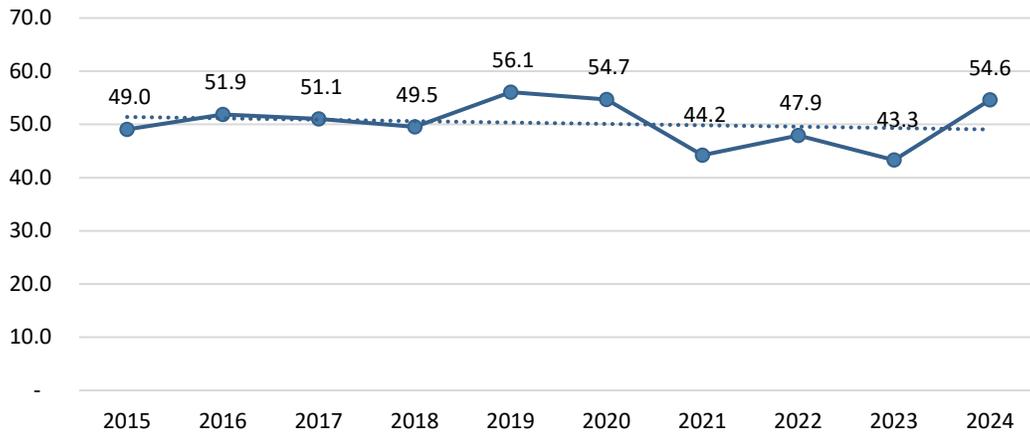


Figure 5  
South Dakota Resident Crude Death Rate Due to Stroke by Year of Death, 2015-2024

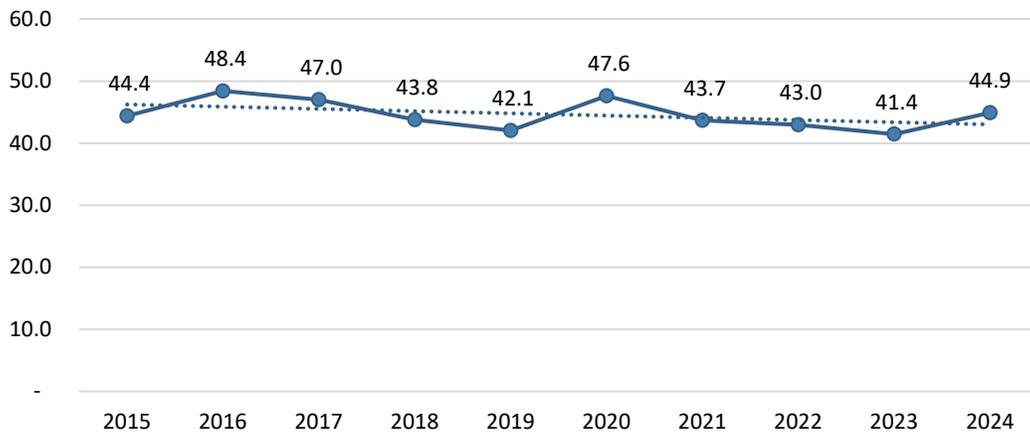
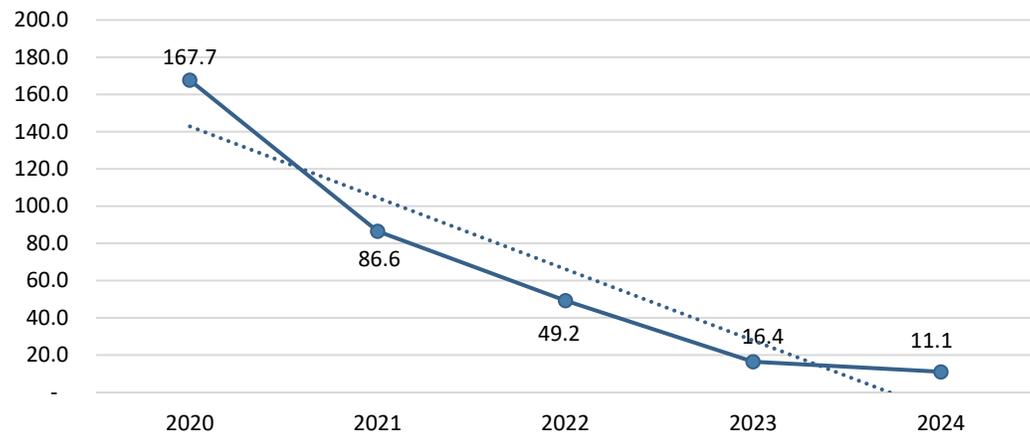


Figure 6  
South Dakota Resident Crude Death Rate Due to COVID-19 by Year of Death, 2020-2024



\*crude death rates are per 100,000 population  
Source: South Dakota Department of Health, Office of Health Statistics

Figure 7  
South Dakota Resident Crude Death Rate Due to Diabetes by Year of Death, 2015-2024

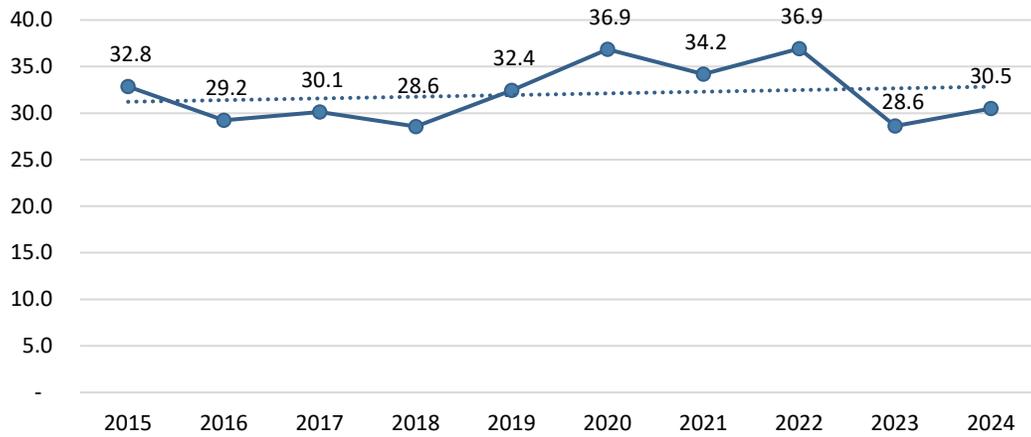


Figure 8  
South Dakota Resident Crude Death Rate Due to Chronic Liver Disease and Cirrhosis by Year of Death, 2015-2024

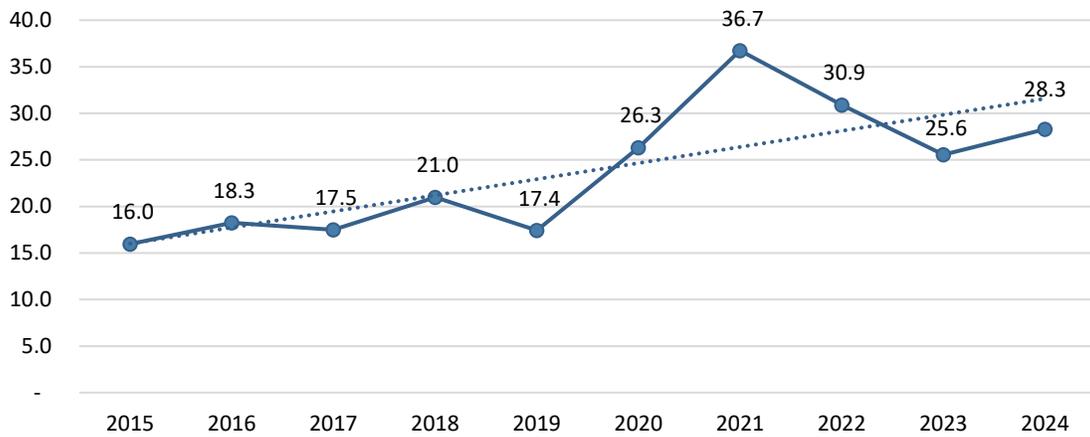
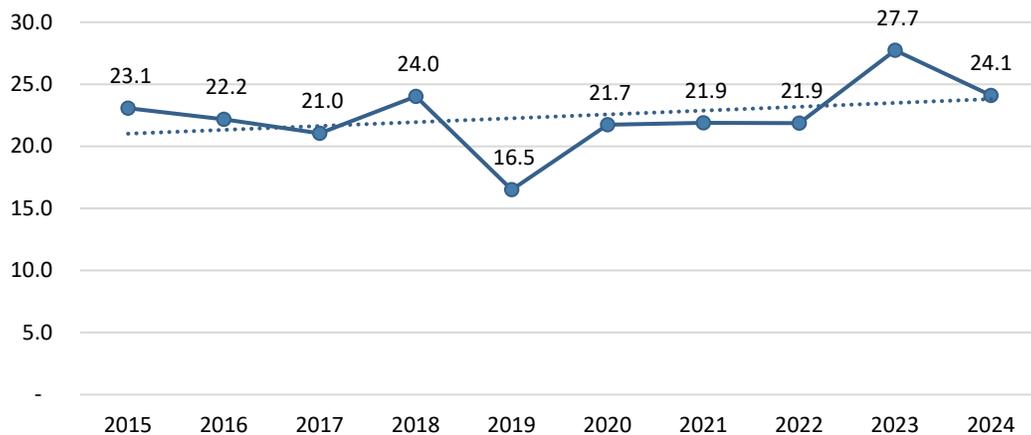


Figure 9  
South Dakota Resident Crude Death Rate Due to Dementia by Year of Death, 2015-2024



\*crude death rates are per 100,000 population  
Source: South Dakota Department of Health, Office of Health Statistics  
Last updated: February 2026

Figure 10  
 South Dakota Resident Crude Death Rate Due to Accidental Falls by  
 Year of Death, 2015-2024

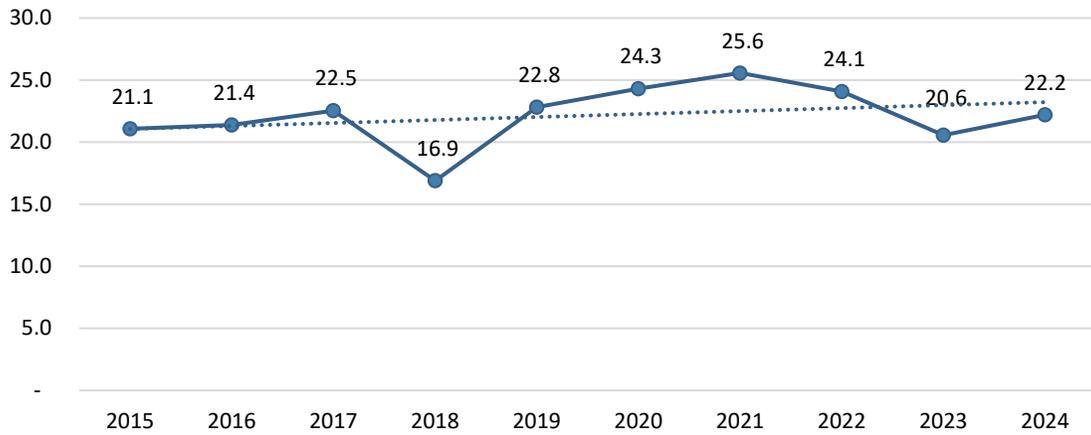


Figure 11  
 South Dakota Resident Crude Death Rate Due to Suicide by Year  
 of Death, 2015-2024

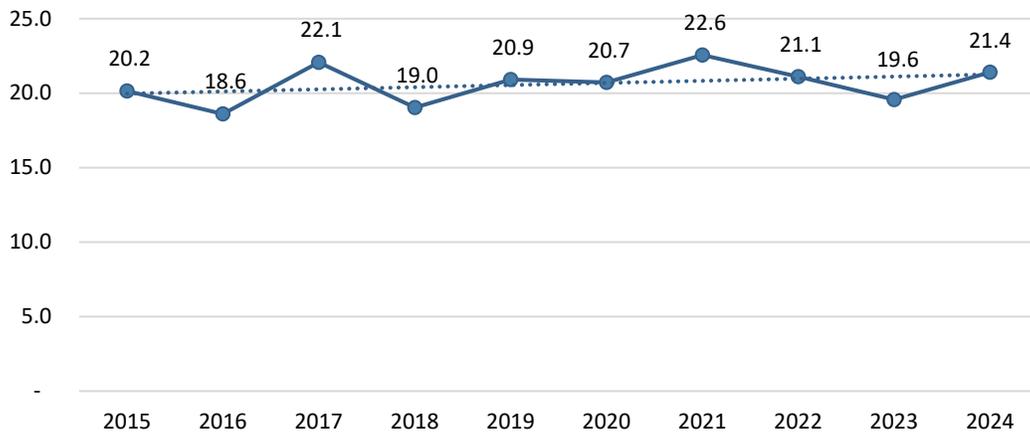
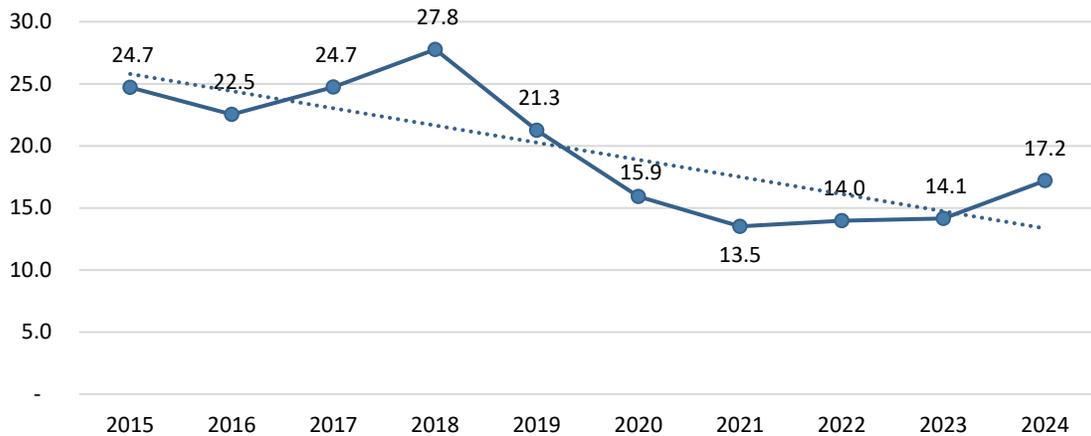


Figure 12  
 South Dakota Resident Crude Death Rate Due to Influenza and  
 Pneumonia by Year of Death, 2015-2024



\*crude death rates are per 100,000 population  
 Source: South Dakota Department of Health, Office of Health Statistics

Figure 13  
 South Dakota Resident Crude Death Rate Due to Motor Vehicle  
 Accidents by Year of Death, 2015-2024

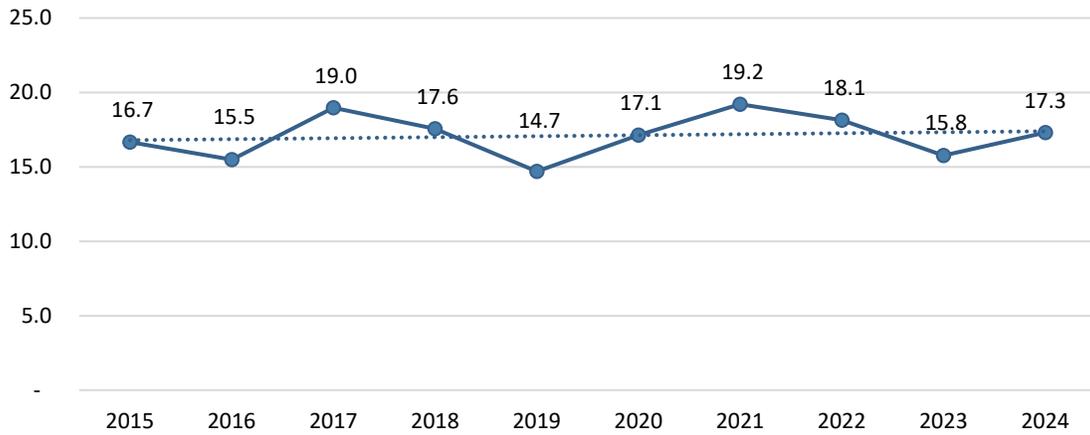


Figure 14  
 South Dakota Resident Crude Death Rate Due to Hypertension by  
 Year of Death, 2015-2024

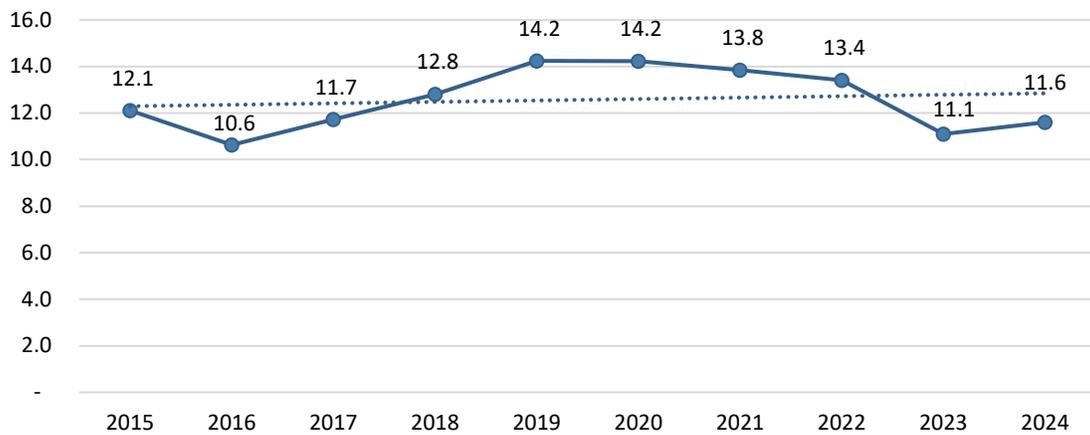
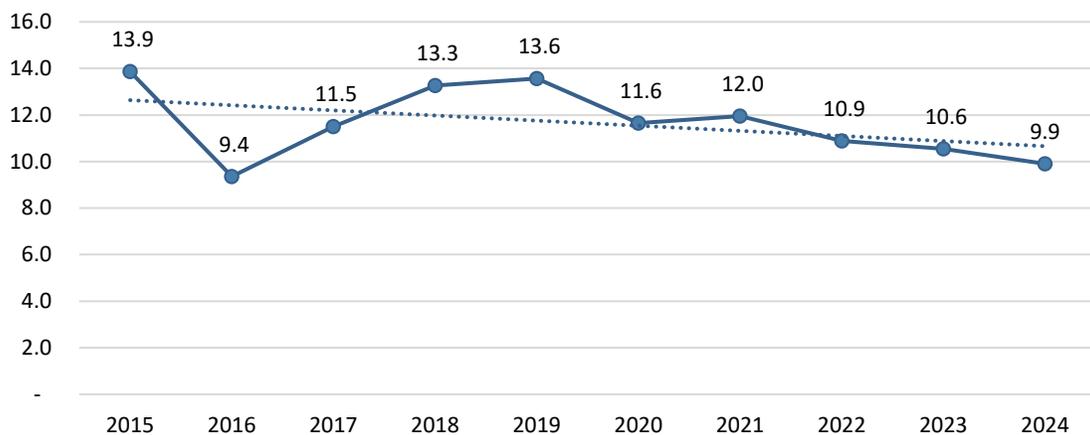


Figure 15  
 South Dakota Resident Crude Death Rate Due to Septicemia by Year  
 of Death, 2015-2024



\*crude death rates are per 100,000 population  
 Source: South Dakota Department of Health, Office of Health Statistics

Figure 16  
 South Dakota Resident Crude Death Rate Due to Parkinson's Disease  
 by Year of Death, 2015-2024

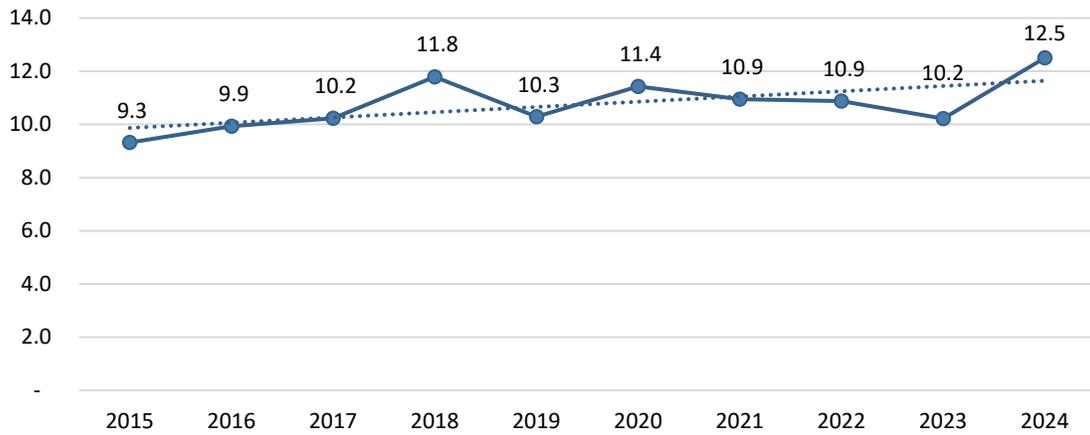


Figure 17  
 South Dakota Resident Crude Death Rate Due to Kidney Disease by  
 Year of Death, 2015-2024

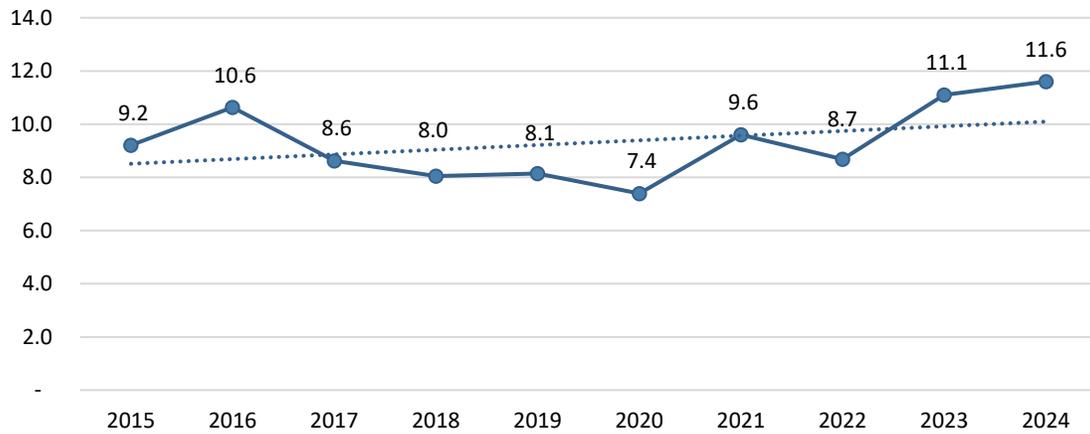
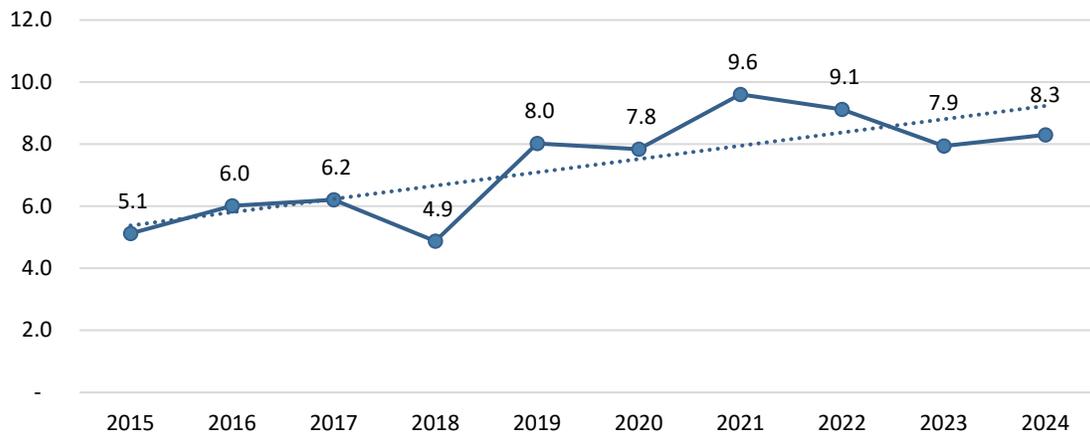


Figure 18  
 South Dakota Resident Crude Death Rate Due to Accidental Drug  
 Overdose by Year of Death, 2015-2024



\*crude death rates are per 100,000 population  
 Source: South Dakota Department of Health, Office of Health Statistics  
 Last updated: February 2026

Figure 19  
 South Dakota Resident Crude Death Rate Due to Malnutrition by Year  
 of Death, 2015-2024

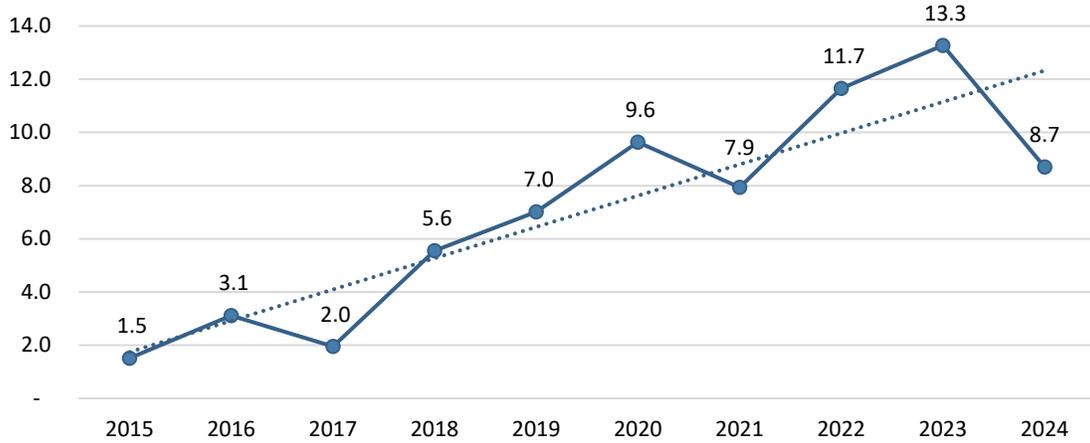
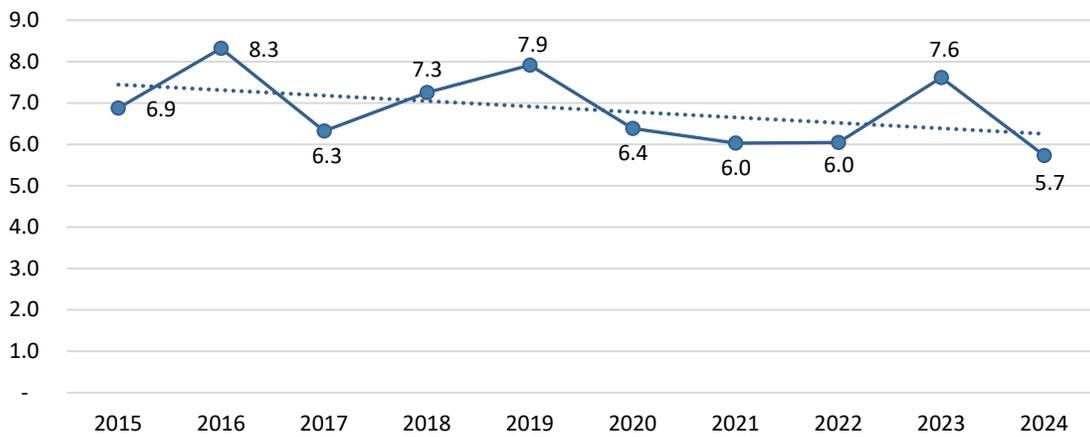


Figure 20  
 South Dakota Resident Crude Death Rate Due to Aspiration  
 Pneumonia, 2015-2024



\*crude death rates are per 100,000 population  
 Source: South Dakota Department of Health, Office of Health Statistics

CRUDE DEATH RATES

	Causes of Deaths with a Very High or Very Low Crude Death Rate in 2024 Compared to Previous Years, 2015-2024									
	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Parkinson's disease (G20-G21)	9.3	9.9	10.2	11.8	10.3	11.4	10.9	10.9	10.2	12.5
Senile degeneration of brain (G31.1)	0.7	0.5	0.6	0.9	2.7	2.2	2.6	3.2	6.1	8.8
Aspiration pneumonia (J69)	6.9	8.3	6.3	7.3	7.9	6.4	6.0	6.0	7.6	5.7
Accidental exposure to smoke, fire, and flames (X00-X09)	1.0	1.2	2.2	0.9	1.2	1.2	2.1	1.3	1.1	0.5

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

Figure 21  
South Dakota Resident Crude Death Rate Due to Parkinson's Disease by Year of Death, 2015-2024

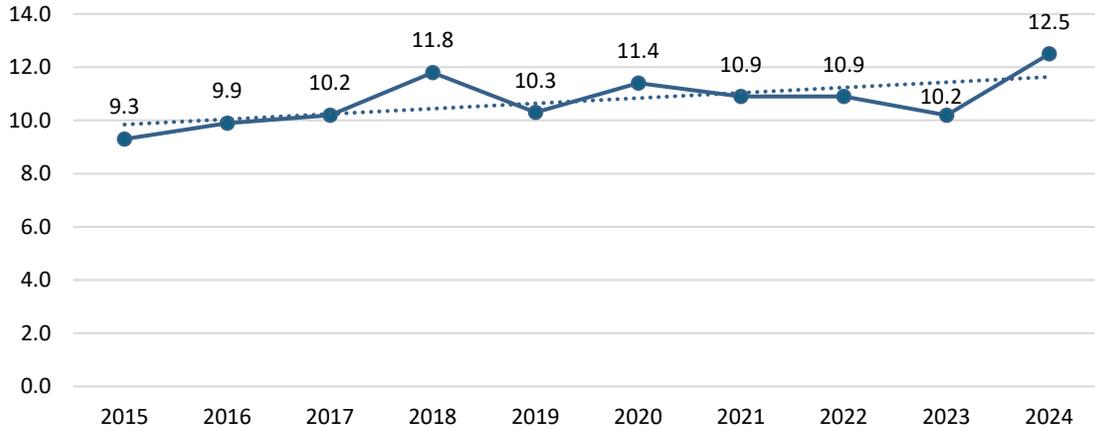
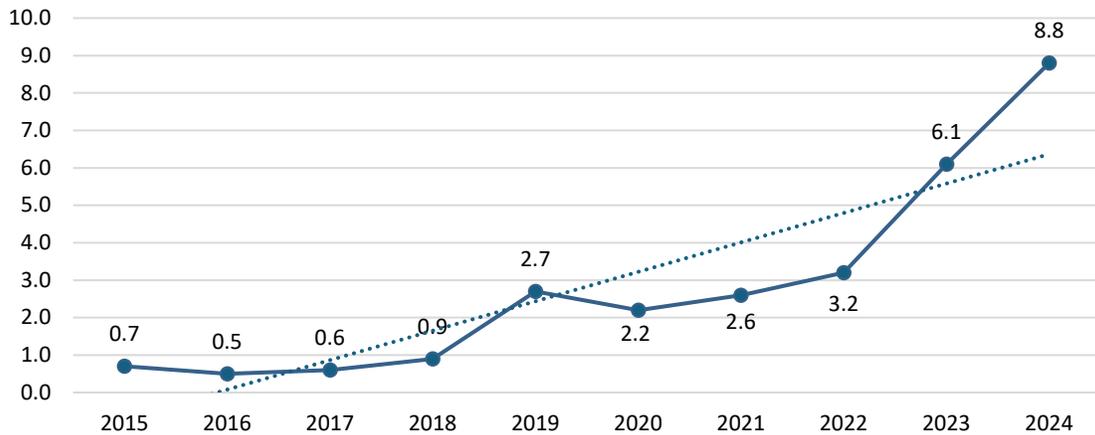


Figure 22  
South Dakota Resident Crude Death Rate Due to Senile Degeneration of Brain by Year of Death, 2015-2024



\*crude death rates are per 100,000 population  
Source: South Dakota Department of Health, Office of Health Statistics

Figure 23  
 South Dakota Resident Crude Death Rate Due to Accidental Exposure to Smoke, Fire, and Flames by Year of Death, 2015-2024

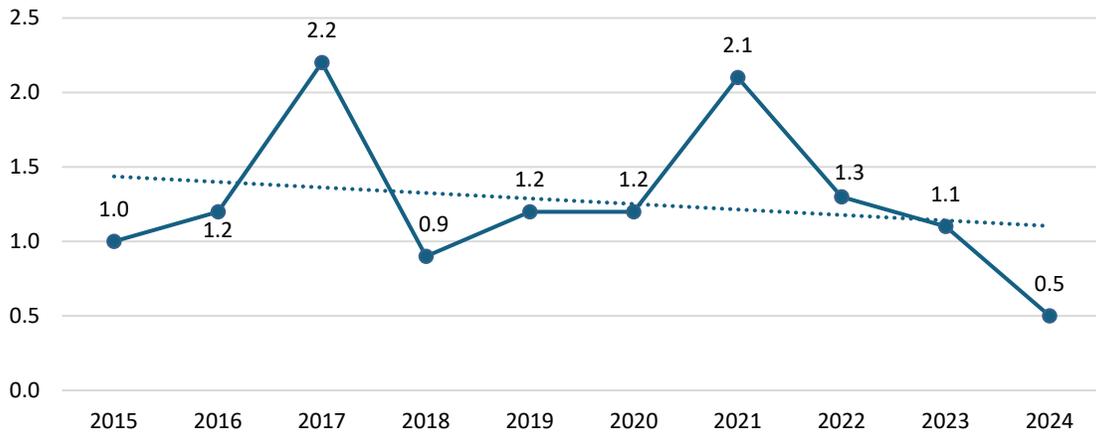
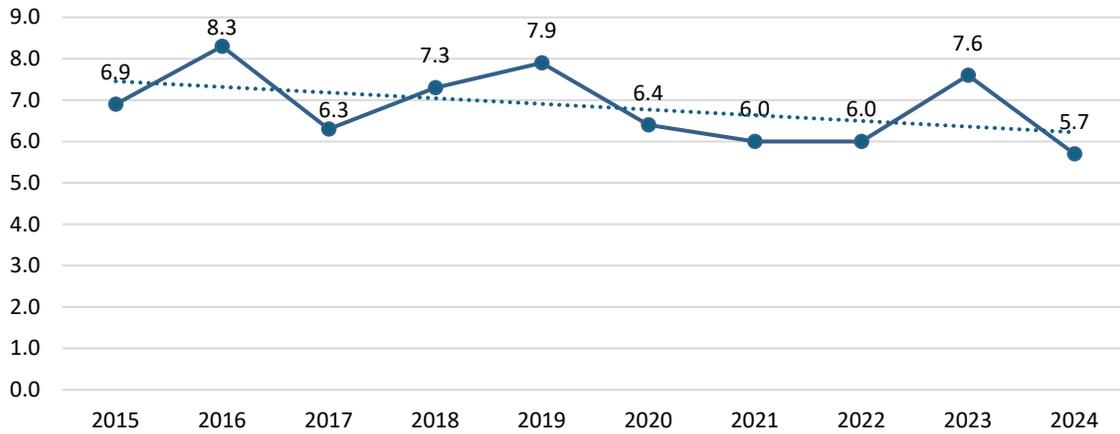


Figure 24  
 South Dakota Resident Crude Death Rate Due to Aspiration Pneumonia by Year of Death, 2015-2024



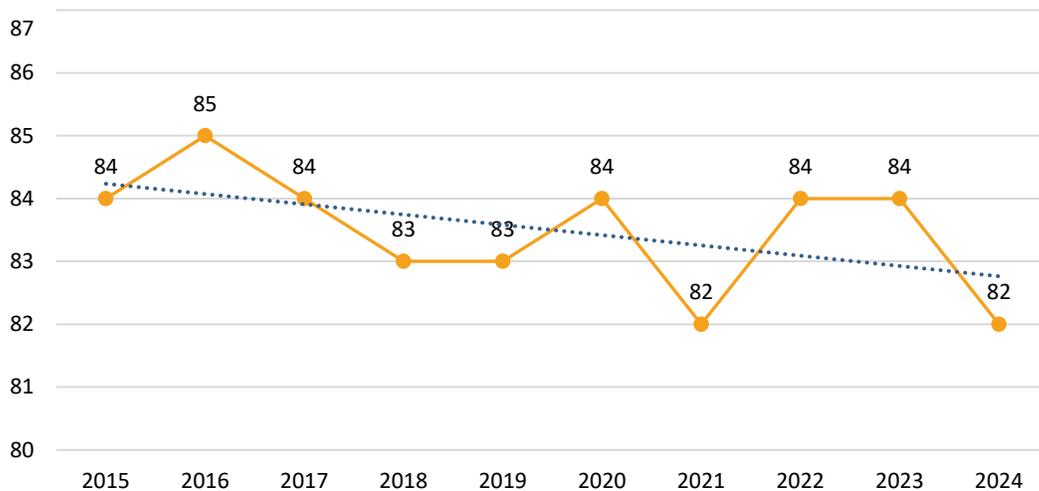
\*crude death rates are per 100,000 population  
 Source: South Dakota Department of Health, Office of Health Statistics

## MEDIAN AGE AT DEATH

	Median Age at Death										
	2015-2024	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Parkinson's disease (G20-G21)	83	84	85	84	83	83	84	82	84	84	82
Senile degeneration of brain (G31.1)	89	91	88	95	89	88	92	91	91	87	90
Aspiration pneumonia (J69)	85	86	83	89	86	87	86	85	83	84	82
Accidental exposure to smoke, fire, and flames (X00-X09)	60	47	66	29	61	63	60	67	67	49	64

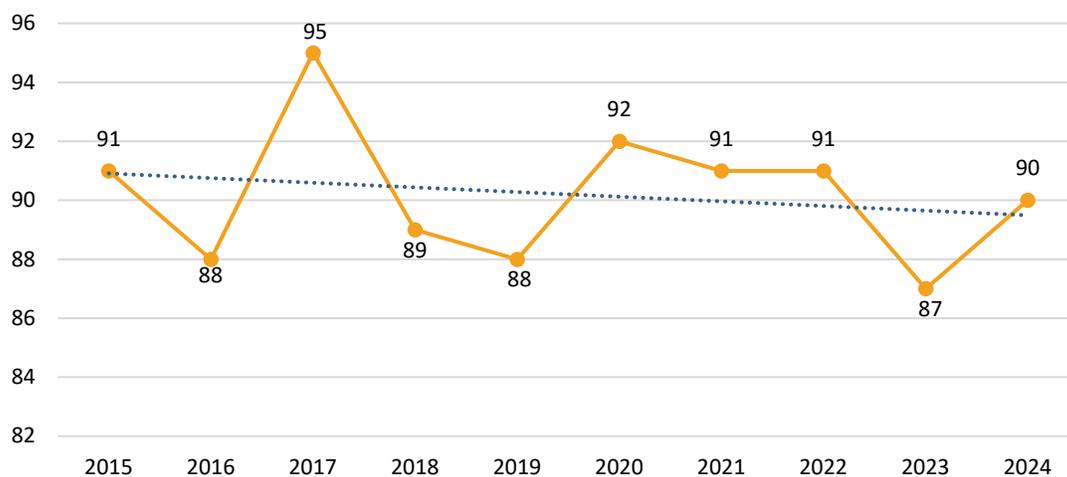
Source: South Dakota Department of Health, Office of Health Statistics

Figure 25  
Median Age at Death for Parkinson's Disease, 2015-2024



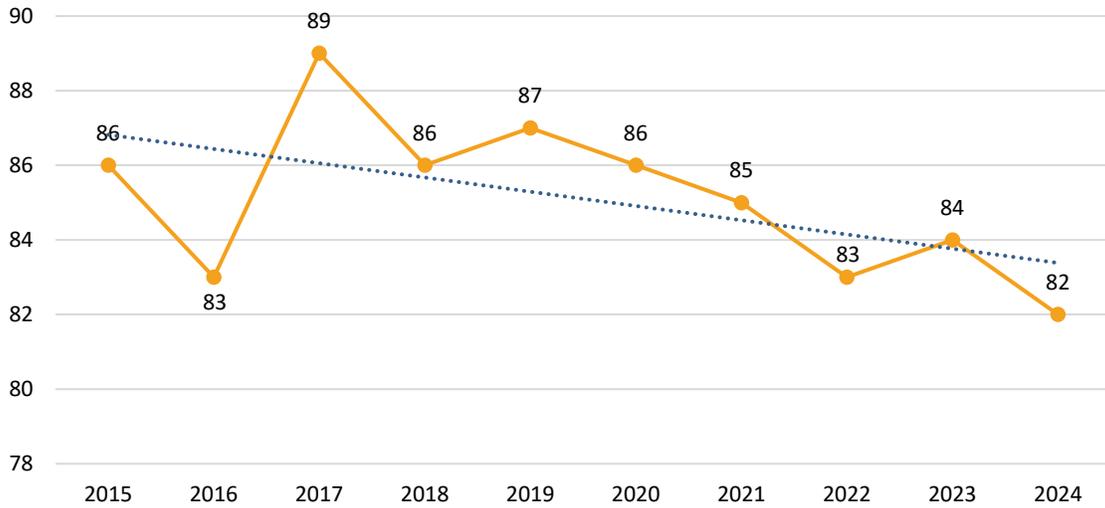
Source: South Dakota Department of Health, Office of Health Statistics

Figure 26  
Median Age at Death for Senile Degeneration of Brain, 2015-2024



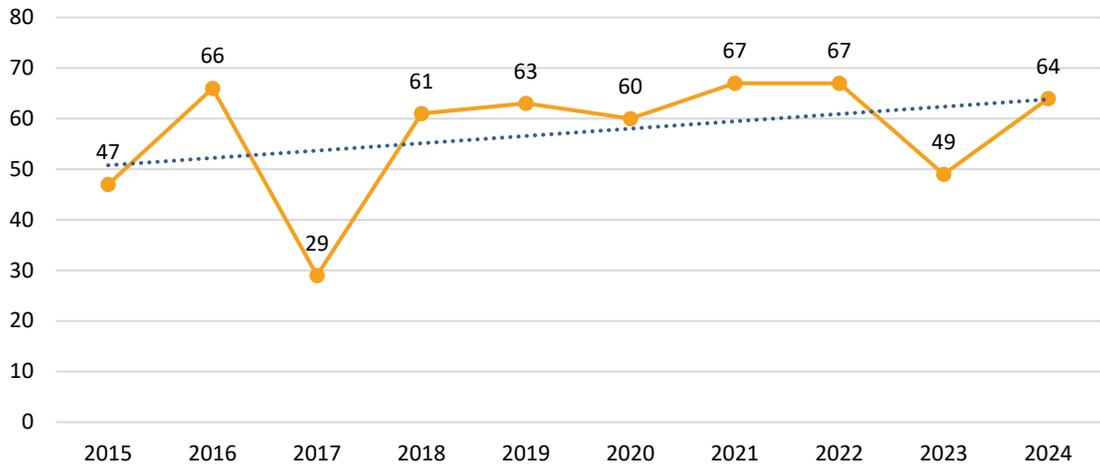
Source: South Dakota Department of Health, Office of Health Statistics

Figure 27  
 Median Age at Death for Aspiration Pneumonia, 2015-2024



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

Figure 28  
 Median Age at Death for Accidental Exposure to Smoke, Fire, and Flames, 2015-2024



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

CHRONIC DISEASE, CONDITION, BEHAVIOR, AND SHORT-TERM COMORBIDITIES

South Dakota Resident Deaths Due to Parkinson's Disease with Most Prevalent Chronic Disease, Condition, Behavior, and Short-Term Comorbidities Listed, 2015-2024	Total Deaths	% of Parkinson's Disease Deaths	% of All Deaths
<b>Parkinson's disease</b>	<b>959</b>		
Chronic Disease/Condition/Behavior Comorbidity			
Dementia (F00-F03)	246	26%	4%
Heart disease (I00-I09, I11, I13, I20-I51)	219	23%	22%
Lewy Body Dementia (G31.8)	42	4%	0.2%
Short-Term Comorbidity Condition at Death			
Aspiration pneumonia (J69)	90	9%	2%
Dysphagia (R13)	70	7%	2%
Failure to thrive (R62.8)	61	6%	2%
Malnutrition (E40-E46)	59	6%	4%
Choking on any object except food (W80)	39	4%	1%
Urinary tract infection (N39.0)	32	3%	2%
Symptoms and signs concerning food and fluid intake (R63)	24	3%	1%

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

<b>South Dakota Resident Deaths Due to Senile Degeneration of Brain with Most Prevalent Chronic Disease, Condition, Behavior, and Short-Term Comorbidities Listed, 2015-2024</b>	<b>Total Deaths</b>	<b>% of Senile Degeneration of Brain Deaths</b>	<b>% of All Deaths</b>
<b>Senile Degeneration of brain (G31.1)</b>	<b>256</b>		
Chronic Disease/Condition/Behavior Comorbidity			
Hypertension (I10, I12, I15)	79	31%	18%
Heart disease (I00-I09, I11, I13, I20-I51)	66	26%	22%
Kidney disease (N00-N07, N17-N19, N25-N27)	41	16%	14%
Dementia (F00-F03)	41	16%	4%
Diabetes (E10-E14)	34	13%	10%
Cerebrovascular disease (I60-I69)	23	9%	4%
High cholesterol/triglycerides (E78)	15	6%	4%
Dysphagia (R13)	13	5%	2%
Cancer (C00-C97)	10	4%	3%
Depression (F32)	10	4%	1%
Short-Term Comorbidity Condition at Death			
Malnutrition (E40-E46)	39	15%	4%

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

<b>South Dakota Resident Deaths Due to Aspiration Pneumonia with Most Prevalent Chronic Disease, Condition, Behavior, and Short-Term Comorbidities Listed, 2015-2024</b>	<b>Total Deaths</b>	<b>% of Aspiration Pneumonia Deaths</b>	<b>% of All Deaths</b>
<b>Aspiration pneumonia (J69)</b>	<b>609</b>		
Chronic Disease/Condition/Behavior Comorbidity			
Heart disease (I00-I09, I11, I13, I20-I51)	177	29%	22%
Chronic lower respiratory diseases (J40-J47)	84	14%	8%
Diabetes (E10-E14)	66	11%	10%
Dementia (F00-F03)	64	11%	4%
Cancer (C00-C97)	33	5%	3%
Alzheimer's disease (G30)	31	5%	2%
Parkinson's disease (G20-G21)	17	3%	1%
Short-Term Comorbidity Condition at Death			
Respiratory failure (J96)	220	36%	12%
Septicemia (A40-A41)	98	16%	6%
Dysphagia (R13)	94	15%	2%
Asphyxia (R09.0)	33	5%	2%
Malnutrition (E40-E46)	32	5%	4%
Choking on any object except food (W80)	30	5%	1%
Malaise and fatigue (R53)	21	3%	1%
Respiratory arrest (R09.2)	20	3%	2%
Failure to thrive (R62.8)	17	3%	2%

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

South Dakota Resident Deaths Due to Accidental Exposure to Smoke, Fire, and Flames with Most Prevalent Chronic Disease, Condition, Behavior, and Short-Term Comorbidities Listed, 2015-2024	Total Deaths	% of Accidental Exposure to Smoke, Fire, and Flames Deaths	% of All Deaths
Accidental exposure to smoke, fire, and flames (X00-X09)	114		
Chronic Disease/Condition/Behavior Comorbidity			
Chronic tobacco use (F17)	18	16%	3%

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

## South Dakota Resident Heart Disease Deaths by Type of Heart Disease and Year of Death, 2015-2024 Excluding Infant Deaths

Type of Heart Disease	Total	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Total	17,623	1,712	1,732	1,708	1,797	1,838	1,818	1,691	1,835	1,782	1,710
Coronary artery disease (I20-I25)	11,308	1,210	1,139	1,110	1,181	1,188	1,136	1,105	1,181	1,048	1,010
Hypertensive heart disease (I11)	1,517	121	117	140	158	147	171	135	173	162	193
Heart failure (I50)	822	50	91	63	77	79	99	70	76	123	94
Atrial fibrillation and flutter (I48)	613	44	44	58	65	72	83	67	55	65	60
Aortic stenosis (Plus other nonrheumatic aortic valve disorders) (I35)	603	65	58	59	57	62	54	53	66	74	55
Pulmonary heart disease and diseases of pulmonary circulation (I26-I28)	497	41	61	52	53	48	44	36	46	54	62
Cardiomyopathy (I42)	482	44	55	49	48	62	42	50	51	36	45
Hypertensive heart and kidney disease (I13)	411	20	25	38	30	50	42	45	46	57	58
Endocarditis, valve unspecified (I38)	169	14	23	13	17	15	19	24	17	10	17
Chronic rheumatic heart diseases (I05-I09)	129	6	16	18	6	15	16	7	16	16	13
Nonrheumatic mitral valve disorders (I34)	114	11	12	13	7	10	9	14	11	15	12
Cardiomegaly (Enlarged heart) (I51.7)	114	11	14	12	12	8	15	13	13	6	10
Cardiac arrhythmia, unspecified type (I49.9)	73	6	7	13	8	5	7	3	4	13	7
Cardiac arrest (I46)	62	9	8	5	9	3	4	7	3	7	7
Acute and subacute endocarditis (I33)	53	6	2	5	10	7	6	3	3	8	3
Atrioventricular and left bundle-branch block (I44)	46	2	3	7	5	7	6	2	3	5	6
Pulseless electrical activity (I45.8)	38	1	2	3	8	5	4	3	4	6	2
Paroxysmal tachycardia (I47)	33	1	3	1	6	1	4	3	6	5	3
Ventricular fibrillation and flutter (I49.0)	30	2	0	3	3	2	2	1	6	7	4
Myocarditis (Inflammation of the heart muscle) (I51.4)	22	6	0	0	3	1	4	1	3	2	2
Sick sinus syndrome (I49.5)	17	2	1	2	1	3	3	2	3	0	0
Heart block (I45.9)	10	1	0	1	0	2	0	0	1	4	1
Unspecified type of heart disease (I51.6, I51.8, I51.9)	401	37	45	37	29	36	46	40	42	50	39
All other forms of heart disease	59	2	6	6	4	10	2	7	6	9	7

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

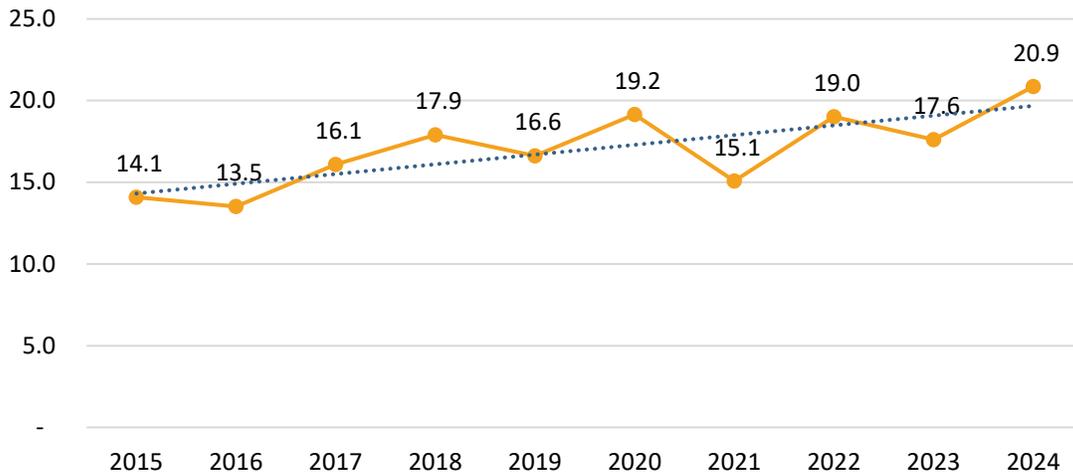
Note: The causes of death in yellow highlight indicate that the largest number of deaths (Highest death rate by at least 5%) in the past 10 years occurred in 2024; the causes of death in blue highlight indicate that the smallest number of deaths (Lowest death rate by at least 5%) in the past 10 years occurred in 2024.

## CRUDE DEATH RATES

	Causes of Heart Disease Deaths with a Very Low or Very High Crude Death Rate in 2024 Compared to Previous Years, 2015-2024									
	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Hypertensive heart disease (I11)	14.1	13.5	16.1	17.9	16.6	19.2	15.1	19.0	17.6	20.9

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

Figure 29  
Crude Death Rates for Hypertensive Heart Disease, 2015-2024



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

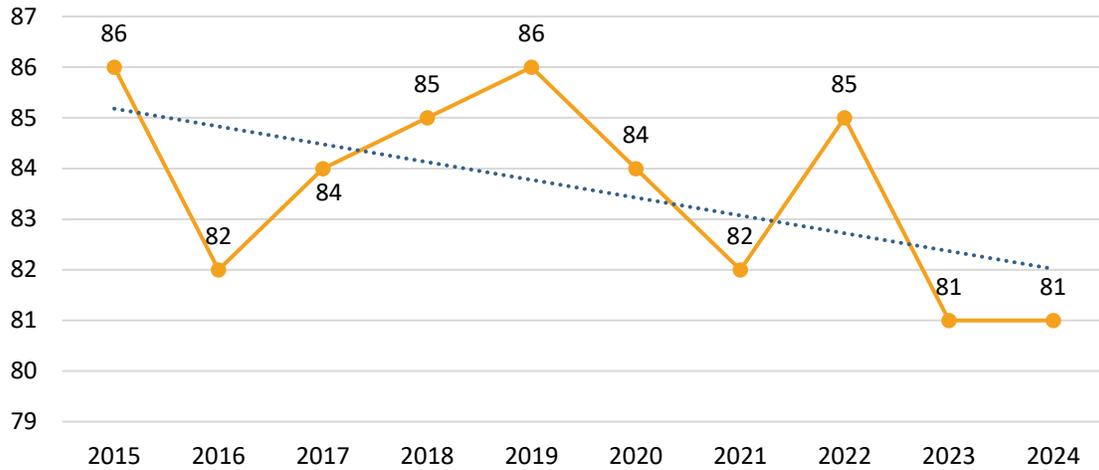
\*crude death rates are per 100,000 population

## MEDIAN AGE AT DEATH

	Median Age at Death										
	2015-2024	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Hypertensive heart disease (I11)	83	86	82	84	85	86	84	82	85	81	81

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

Figure 30  
Median Age at Death for Hypertensive Heart Disease, 2015-2025



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

## CHRONIC DISEASE, CONDITION, BEHAVIOR, AND SHORT-TERM COMORBIDITIES

<b>South Dakota Resident Deaths Due to Hypertensive Heart Disease with Most Prevalent Chronic Disease, Condition, Behavior, and Short-Term Comorbidities Listed, 2015-2024</b>	<b>Total Deaths</b>	<b>% of Hypertensive Heart Disease Deaths</b>	<b>% Of All Heart Disease Deaths</b>	<b>% of All Deaths</b>
<b>Hypertensive Heart Disease (I11)</b>	<b>1,517</b>			
Chronic Disease/Condition/Behavior Comorbidity				
Hypertension (I10, I12, I15)	818	54%	30%	18%
Diabetes (E10-E14)	277	18%	15%	10%
Chronic lower respiratory diseases (J40-J47)	194	13%	11%	8%
Obesity (E66)	76	5%	3%	2%
Sleep apnea (G47.3)	71	5%	2%	2%

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

## South Dakota Resident Cancer Deaths by Site/Type of Cancer and Year of Death, 2015-2024 Excluding Infant Deaths

Site/Type of Cancer	Total	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Total	17,052	1,632	1,690	1,717	1,631	1,736	1,727	1,740	1,686	1,739	1,754
Lung, trachea, and bronchus cancer (C33-C34)	3,988	424	420	421	396	430	372	387	388	365	385
Colorectal cancer (C18-C21)	1,646	168	163	158	169	153	157	160	145	182	191
Pancreas cancer (C25)	1,316	109	128	124	116	142	128	136	140	149	144
Female breast cancer (C50)	1,038	104	109	102	112	106	115	97	101	92	100
Prostate cancer (C61)	950	90	107	71	92	86	95	104	93	108	104
Leukemia (C91-C95)	717	66	60	62	58	73	88	83	78	80	69
Liver/bile duct cancer (C22)	673	53	73	61	56	65	86	84	74	61	60
Non-Hodgkin's lymphoma (C82-C85)	595	55	55	71	56	69	64	63	33	65	64
Brain cancer (C71)	524	54	49	58	47	60	50	58	51	46	51
Esophagus cancer (C15)	513	53	36	60	49	54	48	49	57	53	54
Kidney cancer (C64)	491	37	49	43	46	63	46	57	41	60	49
Bladder cancer (C67)	432	39	47	48	34	43	37	45	50	39	50
Multiple myeloma and immunoproliferative neoplasms (C88 & C90)	375	30	50	43	39	35	47	30	38	32	31
Ovarian cancer (C56)	363	25	36	51	48	35	39	30	32	37	30
Lip, oral cavity, and pharynx cancer (C00-C14)	261	18	25	28	18	23	29	28	29	31	32
Uterine cancer (C54-C55)	259	22	21	34	21	30	21	18	27	30	35
Malignant melanoma of the skin (C43)	250	24	20	26	34	17	20	29	30	24	26
Stomach cancer (C16)	207	27	20	20	20	23	18	28	15	18	18
Smooth muscle cancer, fatty tissue cancer (Plus other cancer of connective and soft tissue) (C49)	149	22	16	16	14	11	9	15	16	14	16
<b>Skin cancer (excluding melanomas) (C44)</b>	116	10	5	7	12	12	15	12	10	13	<b>20</b>
Cervical cancer (C53)	91	5	5	11	9	10	12	13	7	11	8
Larynx cancer (C32)	91	7	5	7	8	7	15	13	12	6	11
Small intestine cancer (C17)	70	7	10	9	7	6	8	5	4	8	6
Gallbladder cancer (C23)	66	7	6	7	3	6	11	2	14	7	3
Mesothelioma (C45)	63	7	6	5	4	3	8	3	12	8	7
Bile duct (outside the liver) cancer (C24)	59	5	7	5	5	7	6	7	9	4	4
Retroperitoneum and peritoneum cancer (C48)	52	3	4	2	6	7	7	5	7	3	8

Site/Type of Cancer	Total	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Digestive organ (unspecified) cancer (C26)	49	3	4	2	7	7	9	3	1	7	6
Thyroid cancer (C73)	45	2	8	4	7	2	4	2	3	8	5
Vulva cancer (C51)	43	2	3	4	3	5	7	5	7	4	3
Bone and articular cartilage cancer (C40-C41)	37	2	2	6	4	4	3	4	5	2	5
Abdomen cancer (C76.2)	31	3	5	2	3	6	1	2	1	6	2
Adrenal gland cancer (C74)	26	3	6	2	2	2	1	2	2	4	2
Hodgkin's disease (C81)	23	5	1	1	2	4	3	0	3	0	4
Ureteral cancer (C66)	16	2	1	2	0	2	0	2	2	1	4
Vaginal cancer (C52)	15	0	0	2	1	4	2	1	2	1	2
Head, face, and neck cancer (C76.0)	13	3	0	0	1	0	0	2	2	3	2
Eye cancer (C69)	13	3	2	0	2	2	1	1	0	0	2
Fallopian tube cancer (C57.0)	12	1	0	3	0	1	1	2	0	2	2
Testicular cancer (C62)	12	1	1	1	2	4	0	0	1	0	2
Penile cancer (C60)	11	0	1	1	0	1	0	4	3	1	0
Female genital organ (unspecified) cancer (C57.9)	10	0	2	1	2	0	1	1	1	0	2
Urethral cancer (C68.0)	10	4	2	1	0	1	0	0	1	0	1
Male breast cancer (C50)	10	0	2	4	1	1	1	0	1	0	0
Cancer of independent (primary) multiple sites (C97)	144	18	14	10	14	14	21	16	12	18	7
Secondary cancer (C78-C79)	209	21	24	24	16	18	22	19	24	25	16
All other cancers	72	6	8	11	5	6	5	13	9	5	4
Cancer, without specification of site (C80)	873	82	72	84	78	73	91	95	91	105	102

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

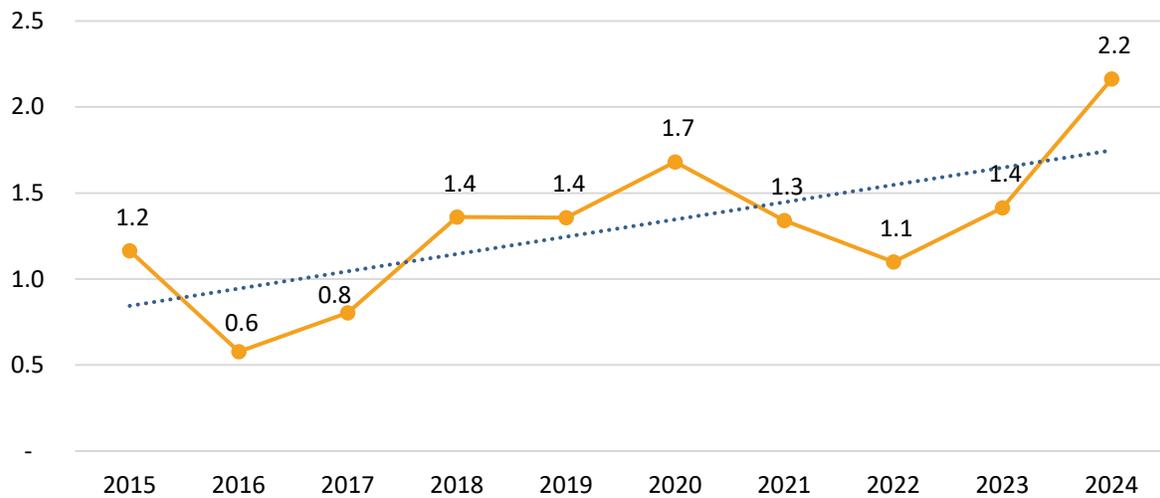
Note: Causes of death in yellow highlight indicate that the highest number of deaths (Highest death rate by at least 5%) in the past 10 years occurred in 2024.

## CRUDE DEATH RATES

	Causes of Cancer Deaths with a Very Low Crude Death Rate in 2024 Compared to Previous Years, 2015-2024									
	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Skin cancer (excluding melanomas) (C44)	1.2	0.6	0.8	1.4	1.4	1.7	1.3	1.1	1.4	2.2

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

Figure 31  
Crude Death Rates for Skin Cancer (Excluding Melanomas), 2015-2024



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

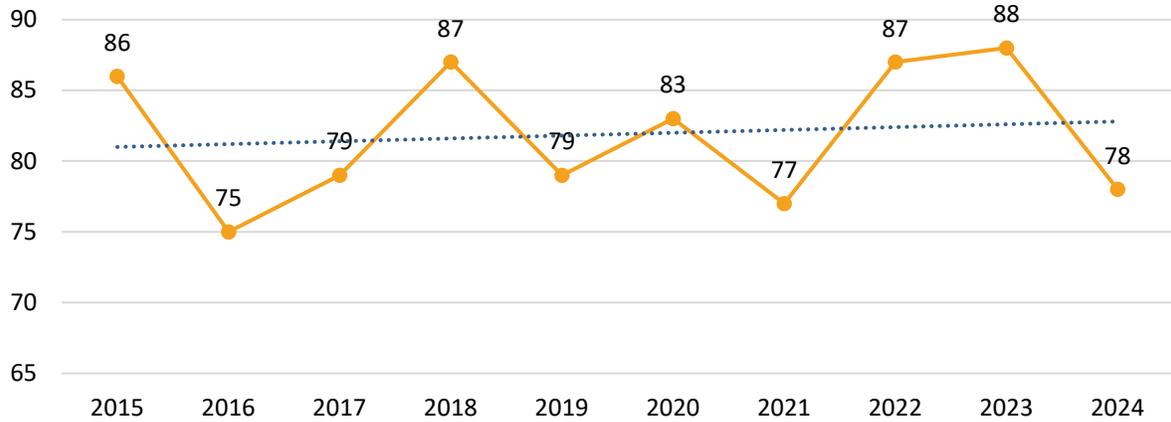
\*crude death rates are per 100,000 population

## MEDIAN AGE AT DEATH

	Median Age at Death										
	2015-2024	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Skin cancer (excluding melanomas) (C44)	82	86	75	79	87	79	83	77	87	88	78

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

Figure 32  
Median Age at Death for Skin Cancer (Excluding Melanomas), 2015-2024



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

CHRONIC DISEASE, CONDITION, BEHAVIOR, AND SHORT-TERM COMORBIDITIES

<b>South Dakota Resident Deaths Due to Skin Cancer (Excluding Melanomas) with Most Prevalent Chronic Disease, Condition, Behavior, and Short-Term Comorbidities Listed, 2015-2024</b>	<b>Total Deaths</b>	<b>% of Skin Cancer (excluding melanomas) Deaths</b>	<b>% of All Cancer Deaths</b>	<b>% of All Deaths</b>
<b>Skin cancer (excluding melanomas) (C44)</b>	<b>116</b>			
Chronic Disease/Condition/Behavior Comorbidity				
Secondary cancer (C78-C79)	27	23%	12%	3%
Short-Term Comorbidity Condition at Death				
Malnutrition (E40-E46)	11	9%	6%	4%

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

## Chronic Lower Respiratory Disease Deaths

### South Dakota Resident Chronic Lower Respiratory Disease Deaths by Year of Death, 2015-2024 Excluding Infant Deaths

Cause of Death	Total	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Total	4,633	500	427	505	498	521	429	464	415	424	450
Chronic obstructive pulmonary disease, unspecified (J44.9)	3,138	326	282	359	335	345	296	308	296	284	307
Chronic obstructive pulmonary disease with acute lower respiratory infection (J44.0)	763	113	70	81	86	91	62	71	51	58	80
Emphysema (J43)	278	23	26	19	31	30	25	42	24	30	28
Chronic obstructive pulmonary disease with acute exacerbation (J44.1)	243	14	16	23	27	37	25	25	21	39	16
Asthma (J45-J46)	108	13	16	12	7	8	13	8	15	7	9
Chronic obstructive pulmonary disease with asthma, bronchitis, and/or emphysema (J44.8)	54	9	8	4	4	7	6	5	4	3	4
Bronchiectasis (J47)	31	1	7	4	3	3	1	3	3	3	3
Bronchitis (J40-J42)	18	1	2	3	5	0	1	2	1	0	3

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

## Pneumonia and Influenza Deaths

### South Dakota Resident Pneumonia and Influenza Deaths by Year of Death, 2015-2024 Excluding Infant Deaths

Cause of Death	Total	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Total	1,734	212	195	215	245	188	142	121	127	130	159
Pneumonia (J12-J18)	1,460	173	186	179	195	160	124	118	95	111	119
Influenza (J09-J11)	274	39	9	36	50	28	18	3	32	19	40

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