

Addendum to Suicide Surveillance Report, South Dakota

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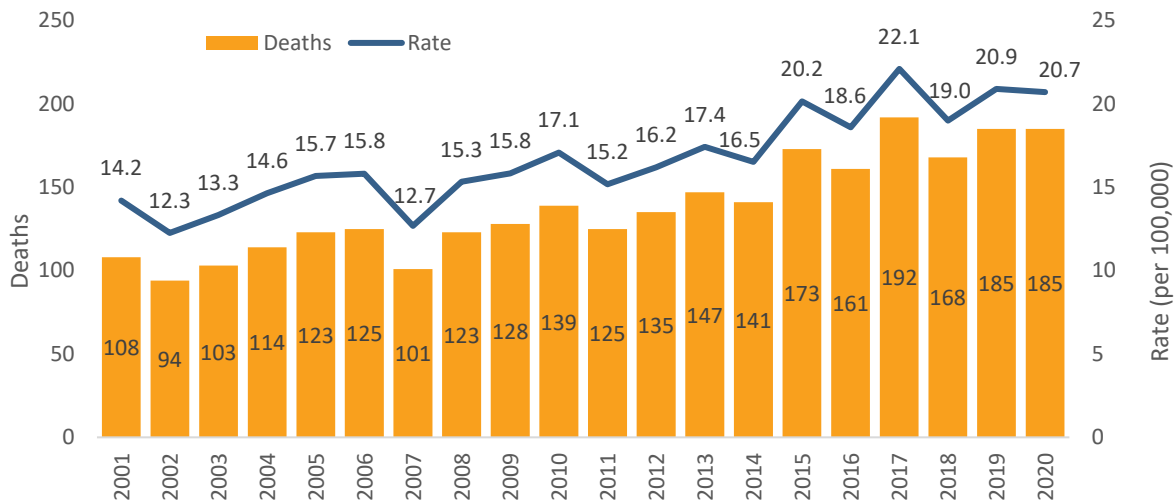
September 2021

Suicide Hotline: 1-800-273-8255

Suicide in South Dakota

In 2020, suicide ranked as the tenth leading cause of death in South Dakota and the leading cause of death for individuals aged 10-19 years. The figure shows South Dakota suicide deaths and rates over the last 20 years, 2001-2020. This data shows increasing suicide deaths in South Dakota. The most deaths and the highest rate were in 2017, with 192 suicide deaths and a rate of 22.1 per 100,000. (Original figure found on page 5)

Figure 5. Suicide Deaths and Rates (per 100,000), South Dakota 2001-2020



The figure and table below show suicide deaths and rates by county. (Original figure and table found on page 5 and 6)

Figure 6. Suicide Rates (per 100,000) by County, South Dakota 2011-2020

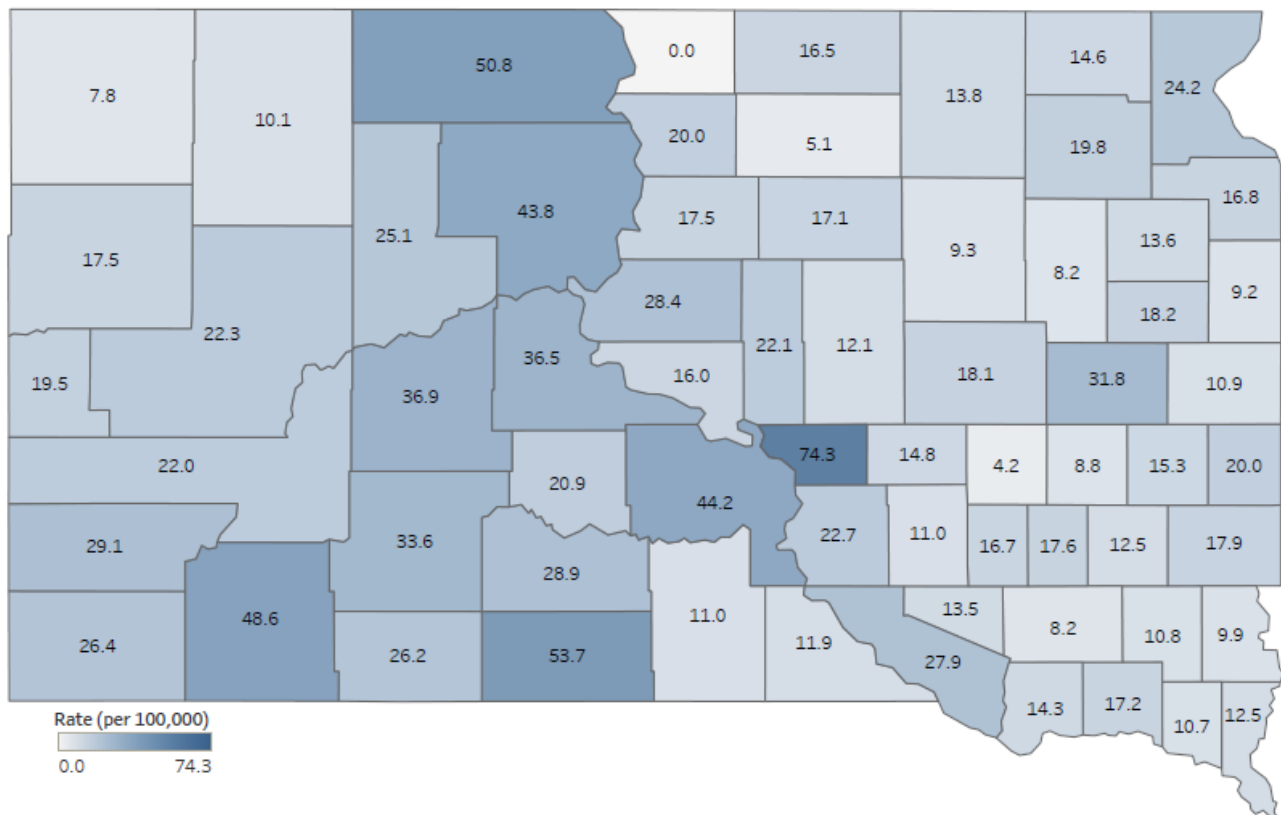


Table 2. County Suicide Deaths and Rates per 100,000, South Dakota 2011-2020

County	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	TOTAL	Rate
Aurora	0	0	<5	<5	0	0	0	0	0	<5	<5	†
Beadle	0	<5	<5	<5	<5	5	<5	<5	5	8	33	18.1
Bennett	0	<5	<5	0	<5	0	<5	0	<5	<5	9	26.2*
Bon Homme	<5	<5	<5	0	<5	<5	0	<5	<5	<5	10	14.3*
Brookings	<5	<5	<5	<5	5	5	5	5	<5	5	37	10.9
Brown	<5	5	9	<5	5	<5	9	<5	6	8	53	13.8
Brule	<5	<5	<5	<5	0	<5	<5	0	<5	<5	12	22.7*
Buffalo	0	<5	0	0	<5	6	<5	<5	<5	<5	15	74.3*
Butte	<5	6	<5	<5	0	0	<5	<5	<5	<5	18	17.5*
Campbell	0	0	0	0	0	0	0	0	0	0	0	0.0
Charles Mix	0	<5	<5	<5	7	<5	<5	0	<5	7	26	27.9
Clark	0	<5	<5	0	<5	0	0	0	0	0	<5	†
Clay	<5	5	<5	0	<5	<5	<5	<5	<5	0	15	10.7*
Codington	<5	<5	<5	<5	<5	<5	0	<5	8	5	38	13.6
Corson	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	21	50.8
Custer	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	25	29.1
Davison	<5	<5	0	5	<5	<5	0	<5	6	5	33	16.7
Day	0	<5	<5	<5	0	<5	0	<5	<5	<5	11	19.8*
Deuel	0	0	0	<5	0	<5	0	0	<5	0	<5	†
Dewey	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	25	43.8
Douglas	0	0	0	0	0	<5	0	0	<5	<5	<5	†
Edmunds	0	0	0	0	0	<5	<5	0	0	0	<5	†
Fall River	<5	<5	<5	<5	<5	<5	<5	5	0	<5	18	26.4*
Faulk	0	0	0	<5	<5	0	0	<5	0	0	<5	†
Grant	<5	0	<5	<5	<5	<5	<5	0	<5	<5	12	16.8*
Gregory	0	0	0	0	<5	<5	<5	0	<5	<5	5	11.9*
Haakon	0	0	<5	0	0	0	<5	<5	<5	<5	7	36.9*
Hamlin	<5	0	<5	<5	<5	<5	0	<5	<5	<5	11	18.2*
Hand	0	0	0	<5	<5	0	0	0	<5	0	<5	†
Hanson	0	0	0	<5	0	<5	0	0	<5	<5	6	17.6*
Harding	0	0	0	0	0	0	<5	0	0	0	<5	†
Hughes	<5	<5	<5	5	<5	<5	<5	<5	<5	<5	28	16.0
Hutchinson	0	<5	0	0	<5	0	<5	0	<5	<5	6	8.2*
Hyde	0	<5	<5	0	0	<5	0	0	0	0	<5	†
Jackson	<5	0	<5	<5	<5	<5	<5	0	<5	0	11	33.6*
Jerauld	0	<5	0	0	0	0	0	0	<5	<5	<5	†
Jones	<5	0	<5	0	0	0	0	0	0	0	<5	†
Kingsbury	<5	<5	<5	<5	<5	0	<5	<5	<5	<5	16	31.8*
Lake	<5	0	<5	<5	<5	<5	<5	<5	<5	<5	19	15.3*
Lawrence	6	<5	<5	<5	7	<5	11	8	<5	<5	49	19.5
Lincoln	<5	8	<5	<5	<5	5	7	7	7	11	54	9.9
Lyman	<5	0	0	<5	<5	<5	<5	<5	<5	<5	17	44.2*
McCook	<5	0	<5	<5	<5	<5	0	0	<5	<5	7	12.5*
McPherson	0	0	0	<5	<5	<5	0	0	0	0	<5	†
Marshall	0	<5	<5	<5	0	<5	0	0	0	0	7	14.6*
Meade	6	5	13	6	<5	<5	8	6	7	<5	61	22.3
Mellette	0	<5	<5	0	0	0	<5	<5	0	0	6	28.9*
Miner	0	0	0	0	0	0	<5	0	0	<5	<5	†
Minnehaha	33	27	29	30	34	32	46	34	33	33	331	17.9
Moody	<5	<5	<5	<5	<5	<5	<5	0	<5	<5	13	20.0*
Pennington	17	18	12	19	25	24	26	31	33	35	240	22.0
Perkins	0	<5	<5	0	0	0	0	0	<5	0	<5	†
Potter	<5	0	0	0	0	<5	<5	0	0	0	<5	†
Roberts	<5	0	<5	<5	<5	<5	5	<5	<5	<5	25	24.2
Sanborn	0	0	0	0	0	0	<5	0	0	0	<5	†
Oglala Lakota	5	7	6	6	13	5	9	8	6	<5	69	48.6
Spink	<5	0	0	0	<5	0	<5	0	<5	<5	6	9.3*
Stanley	0	<5	<5	<5	<5	<5	0	0	<5	<5	11	36.5*
Sully	0	<5	<5	0	0	0	0	<5	0	<5	<5	†
Todd	<5	6	<5	5	8	10	0	8	<5	6	54	53.7
Tripp	<5	<5	0	0	0	0	0	<5	<5	<5	6	11.0*
Turner	<5	0	5	0	0	0	<5	0	0	0	9	10.8*
Union	0	<5	<5	<5	0	<5	<5	<5	<5	<5	19	12.5*
Walworth	<5	<5	0	<5	0	<5	<5	<5	0	<5	11	20.0*
Yankton	6	5	<5	<5	<5	<5	8	<5	<5	0	39	17.2
Ziebach	0	0	0	0	<5	0	<5	<5	<5	0	7	25.1*
TOTAL	125	135	147	141	173	161	192	168	185	185	1612	18.7

†Suppressed rate due to fewer than 5 deaths.

*Unstable rate due to fewer than 20 deaths. Interpret with caution.

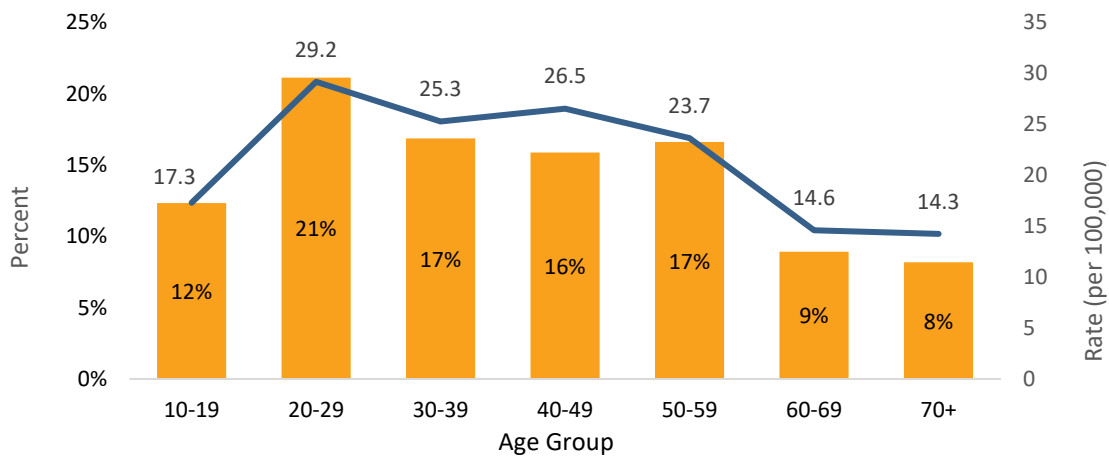
Suicide Deaths by Sex

From 2011-2020, there were 1,612 suicide deaths in South Dakota. Of these deaths, 79% were males and 21% were females. During this time, the rate of male suicides was 29.4 per 100,000, which was 3.7 times higher than the female rate of 7.9 per 100,000.

Suicide Deaths by Age Group

In South Dakota, suicide deaths and rates are highest among young adults aged 20-29 years, which accounts for 21% of suicides from 2011-2020. Suicide deaths and rates are also high among South Dakotans aged 30-59 years, accounting for approximately 50% of suicides from 2011-2020, see figure below. (Original figure found on page 7)

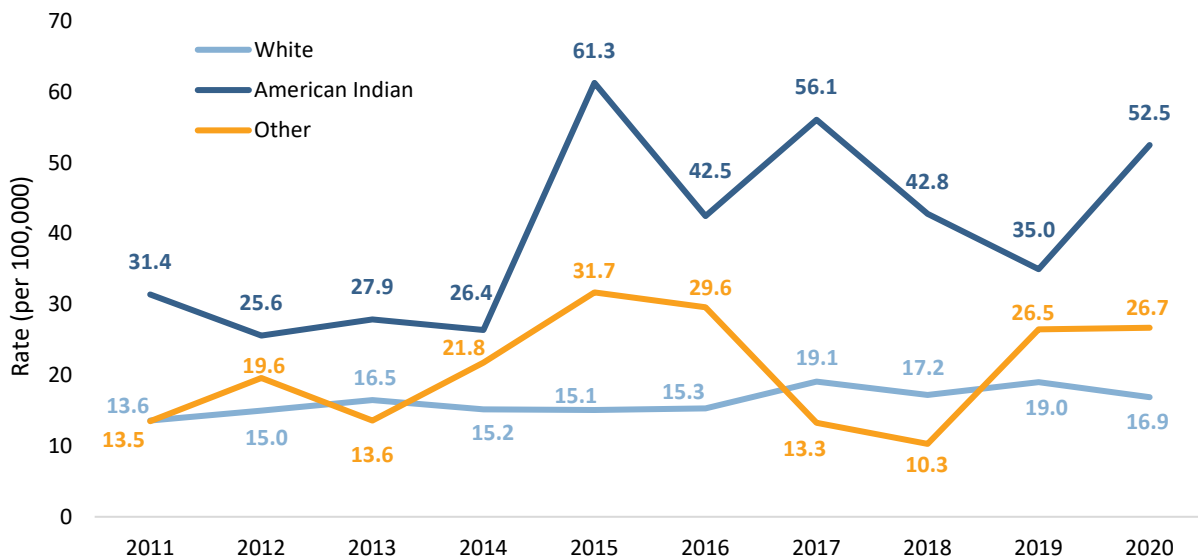
Figure 7. Suicide Deaths and Rates (per 100,000) by Age Group, South Dakota 2011-2020



Suicide Deaths by Race

The figure below displays South Dakota’s suicide rates (per 100,000) for White, American Indian, and “Other” race groups (“Other” includes multiracial, Asian, Black, Hispanic, and unknown race). The mean American Indian suicide rate (40.2 per 100,000) was 2.5-times higher than the White mean suicide rate (16.3 per 100,000) during the 20-year period. (Original figure found on page 8)

Figure 10. Suicide Rates (per 100,000) by Race (Single Race), South Dakota 2011-2020

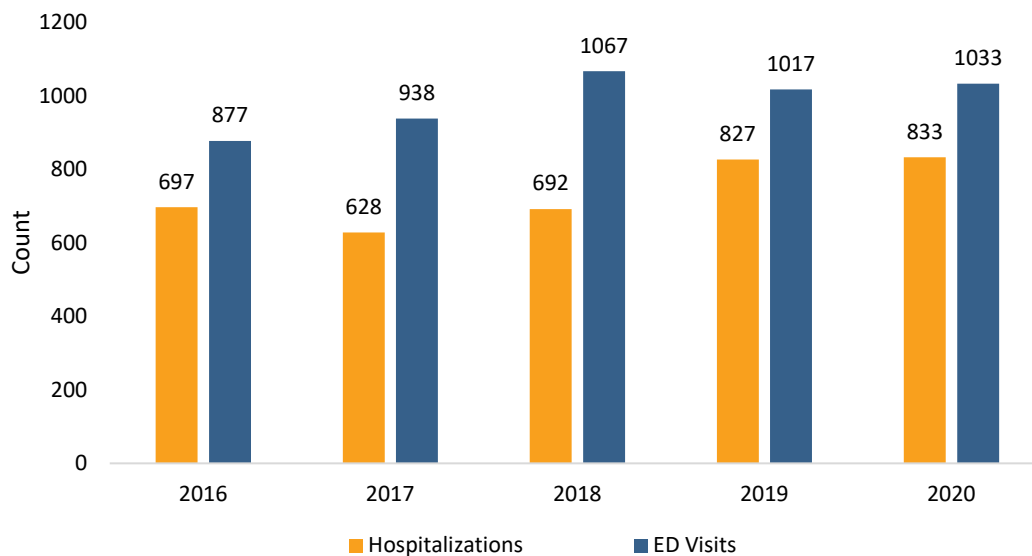


Nonfatal Self-Inflicted Injuries

During 2016-2020, 3,677 hospitalizations for nonfatal self-inflicted injuries occurred among South Dakota residents. Of these, 60% were among females and 40% were among males. Of hospitalized persons, 58% were White, 33% were American Indian, and 9% were Other race (Other race includes Black, Asian, Native Hawaiian/Other Pacific Islander, Hispanic, Multiracial, and Unknown).

During 2016-2020, 4,932 emergency department visits for nonfatal self-inflicted injuries were reported among South Dakota residents. Of these, 63% were among females and 37% were among males. Of persons visiting the emergency department, 53% were White, 36% were American Indian, and 11% were Other race (Other race includes Black, Asian, Native Hawaiian/Other Pacific Islander, Hispanic, Multiracial, and Unknown).

Figure 13. Self-Inflicted Injury Hospitalizations and Emergency Department Visits, South Dakota 2016-2020 (Original figure found on page 10)



Methods and Data Sources

The numbers in this report may differ from other data reports due to the data sources used and how the data was analyzed. See below for data sources and analysis methods.

Mortality Data

South Dakota mortality data comes from the South Dakota Department of Health (DOH) Vital Statistics. Mortality data is representative of South Dakota residents. Suicide fatality codes utilized in this report include U03, X60-X84, Y87.0.

Hospital and Emergency Department Data

South Dakota hospital and emergency department data comes from the South Dakota Association of Healthcare Organizations (SDAHO). Data from SDAHO does not include cases from Indian Health Services Hospitals and Veterans Affairs Medical Centers. South Dakota data reflects the number of inpatient and outpatient visits by South Dakota residents by year of discharge and does not include deaths. Self-inflicted injury codes used in this report include ICD-10-CM codes (T36-T65 and X71-X83).