

U.S.A. SUICIDE: 2017 OFFICIAL FINAL DATA

	Number	Per Day	Rate	% of Deaths	Group (Number of Suicides)	Rate
Nation	47,173	129.2	14.5	1.7	White Male (32,866)	26.1
Males	36,782	100.8	22.9	2.6	White Female (9,153)	7.1
Females	10,391	28.5	6.3	0.8	Nonwhite Male (3,916)	11.3
Whites	42,019	115.1	16.5	1.8	Nonwhite Female (1,238)	3.3
Nonwhites	5,154	14.1	7.2	1.2	Black/African American Male (2,421)	11.0
Blacks/African American	3,062	8.4	6.7	0.9	Black/African American Female (641)	2.7
Older Adults (65+ yrs.)	8,568	23.5	16.8	0.4	Hispanic/Latino (3,933)	6.7
Young (15-24 yrs.)	6,252	17.1	14.5	19.5	Native Americans/Alaska Natives (640)	13.6
Middle Aged (45-64 yrs.)	16,543	45.3	19.6	3.1	Asian/Pacific Islanders (1,452)	6.8

Fatal Outcomes (Suicides): *a small rate increase was seen again from 2016 to 2017, continuing the recent (since 1999) rate increases after long-term trends of decline*

- Average of 1 person every 11.1 minutes killed themselves— 1 male every 14.3 minutes, 1 female every 50.6 minutes
- Average of 1 older adult every 1 hour and 1 minute killed themselves; Average of 1 middle aged adult every 32 minutes
- Average of 1 young person every 1 hour and 24 minutes killed themselves. (If the 522 suicides below age 15 are included, 1 young person every 1 hour and 18 minutes)

Leading Causes of Death 15-24 yrs

	Cause	Number	Rate
• 10th ranking cause of death in U.S.— 2nd for young	All Causes	32,025	74.1
• 3.5 male deaths by suicide for each female death by suicide	1-Accidents	13,441	31.1
• Suicide ranks 10th as a cause of death; Homicide ranks 16th	2-Suicide	6,252	14.5
	3-Homicide	4,905	11.3
	10-14 yrs	517	2.5
	15-19 yrs	2,491	11.8
	20-24 yrs	3,761	17.0

Nonfatal Outcomes (Attempt Survivors§) (figures are estimates):

- 1,179,325 annual attempts in U.S. (using 25:1 ratio); 2017 SAMHSA study: 1.4 million adults (18 and up)
- Translates to one attempt every 27 seconds (based on 1,179,325 attempts) [1.4 million = 1 every 23 seconds]
- 25 attempts for every death by suicide for nation (one estimate); 100-200:1 for young; 4:1 for older adults
- 3 female attempts for each male attempt

Postvention (Exposure and Survivors of Suicide Loss)

Exposed (“Affected”) – those who “know” someone personally who has died by suicide † (figures are estimates)

°Recent (Cerel, 2015) research-based estimate suggests that for each death by suicide → 147 people are *exposed* (6.9 million annually) – among the exposed there are subgroups with a variety of effect levels (see Cerel et al., 2014) – as many as 40-50% of the population have been exposed to suicide in their lifetime based on a 2016 representative sample’s results (Feigelman et al., 2017)

Suicide Loss Survivors (those bereaved of suicide - definition below): † (figures are estimates) [Subgroup of “Exposed” above]

°Survivors of Suicide Loss = experience high levels of distress for a considerable length of time after exposure (Jordan & McIntosh, 2011)

°Among those exposed to a death by suicide, *more than 6* experience a major life disruption (loss survivors; a low, non-research based estimate see Cerel et al. 2015)

- *If each suicide has devastating effects and intimately affects > 6 other people, there are over 283,000 loss survivors a year*
- Based on the 882,504 suicides from 1993 through 2017, therefore, the number of *survivors of suicide loss* in the U.S. is *more than 5.3 million* (1 of every 62 Americans in 2017); number grew by *more than 283,038* in 2017
- If there is a suicide every 11.1 minutes, then there are *more than 6* new loss survivors every 11.1 minutes as well

Suicide Methods	Number	Rate	Percent of Total		Number	Rate	Percent of Total
Firearm suicides (1st)	23,854	7.3	50.6%	All but Firearms	23,319	7.2	49.4%
Suffocation/Hanging (2nd)	13,075	4.0	27.7%	Poisoning (3rd)	6,554	2.0	13.9%
Cut/pierce (5th)	846	0.3	1.8%	Drowning (7th)	479	0.2	1.0%

U.S.A. Suicide Rates 2007-2017 (Rates per 100,000 population)													15 Leading Causes of Death in the U.S.A., 2017 (total of 2,813,503 deaths; 863.8 rate)			
Group/ Age	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Group/ Age	Rank	Cause of Death	Rate	Deaths
5-14	0.5	0.6	0.7	0.7	0.7	0.8	1.0	1.0	1.1	1.1	1.3	5-14	1	Diseases of heart (heart disease)	198.8	647,457
15-24	9.7	10.0	10.1	10.5	11.0	11.1	11.1	11.6	12.5	13.2	14.5	15-24	2	Malignant neoplasms (cancer)	183.9	599,108
25-34	13.0	12.9	12.8	14.0	14.6	14.7	14.8	15.1	15.7	16.5	17.5	25-34	3	Accidents (unintentional injury)	52.2	169,936
35-44	15.6	15.9	16.1	16.0	16.2	16.7	16.2	16.6	17.1	17.4	17.9	35-44	4	Chronic lower respiratory diseases	49.2	160,201
45-54	17.7	18.7	19.3	19.6	19.8	20.0	19.7	20.2	20.3	19.7	20.2	45-54	5	Cerebrovascular diseases (stroke)	44.9	146,383
55-64	15.5	16.3	16.7	17.5	17.1	18.0	18.1	18.8	18.9	18.7	19.0	55-64	6	Alzheimer’s disease	37.3	121,404
65-74	12.6	13.9	14.0	13.7	14.1	14.0	15.0	15.6	15.3	15.4	15.6	65-74	7	Diabetes mellitus (diabetes)	25.7	83,564
75-84	16.3	16.0	15.7	15.7	16.5	16.8	17.1	17.5	17.9	18.2	18.0	75-84	8	Influenza & pneumonia	17.1	55,672
85+	15.6	15.6	15.6	17.6	16.9	17.8	18.6	19.3	19.4	19.0	20.1	85+	9	Nephritis, nephrosis (kidney disease)	15.5	50,633
65+	14.3	14.8	14.8	14.9	15.3	15.4	16.1	16.6	16.6	16.7	16.9	65+	10	Suicide [Intentional Self-Harm]	14.5	47,173
Total	11.5	11.8	12.0	12.4	12.7	12.9	13.0	13.4	13.8	13.9	14.5	Total	11	Chronic liver disease and cirrhosis	12.8	41,743
Men	18.3	19.0	19.2	20.0	20.2	20.6	20.6	21.1	21.5	21.8	22.9	Men	12	Septicemia	12.6	40,922
Women	4.8	4.9	5.0	5.2	5.4	5.5	5.7	6.0	6.3	6.2	6.3	Women	13	Essential hypertension and renal disease	10.8	35,316
White	12.9	13.3	13.5	14.1	14.5	14.8	14.9	15.4	15.8	15.9	16.5	White	14	Parkinson’s disease	9.8	31,963
Nonwh	5.6	5.7	5.8	5.8	5.8	6.1	6.0	6.0	6.3	6.8	7.2	NonWh	15	Pneumonitis due to solids and liquids	6.2	20,108
Black	4.9	5.2	5.1	5.1	5.3	5.5	5.4	5.5	5.6	6.1	6.7	Black	-	All other causes (Residual; > 15)	172.5	561,920
45-64	16.7	17.5	18.0	18.6	18.6	19.1	19.0	19.5	19.6	19.2	19.6	45-64	16	Homicide (ranks 16th)	6.0	19,510

- Older adults made up 15.6% of 2017 population, but 18.2% of suicides • Young made up 13.3% of 2017 population and 13.3% of suicides •
- Middle Aged made up 25.9% of the 2017 population, but were 35.1% of suicides •
- 1,370,640* Years of Potential Life Lost Before Age 75 (43,220 of 47,173 suicides are below age 75)
- * alternate YPLL figure: 1,369,377 using individual years in calculations rather than 10-year age groups as above.

Many figures appearing here are derived or calculated from data in the following *official data sources*: downloaded 07 through 10 December 2018 from CDC’s WONDER website: <https://wonder.cdc.gov>. • Other references cited on this page are listed on the State Data Page. •

suicide rate = (number of suicides by group / population of group) X 100,000
Prepared for AAS by Christopher W. Drapeau, Ph.D. & John L. McIntosh, Ph.D.

Suicide Data Page: 2017
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§ Alternate terms = **Survivors of Suicide Attempts** or those with **Lived Experience** (of suicide attempt)

Rate, Number, and Ranking of Suicide for Each U.S.A. State*, 2017

Rank	State [Division / Region]	Deaths	Rate	Division [Abbreviation]	Rate	Number
1	Montana [M / West]	311	29.6	Mountain [M]	21.3	5,149
2	Wyoming [M / West]	157	27.1	East South Central [ESC]	16.9	3,217
3	Alaska [P / West]	200	27.0	West North Central [WNC]	16.8	3,586
4	New Mexico [M / West]	491	23.5	West South Central [WSC]	14.7	5,885
5	Idaho [M / West]	392	22.8	South Atlantic [SA]	14.5	9,398
6	South Dakota [WNC / Midwest]	191	22.0	Nation	14.5	47,173
7	West Virginia [SA / South]	393	21.6	East North Central [ENC]	14.3	6,689
8	Utah [M / West]	663	21.4	Pacific [P]	12.9	6,861
9	Colorado [M / West]	1,181	21.1	New England [NE]	12.6	1,867
10	Arkansas [WSC / South]	631	21.0	Middle Atlantic [MA]	10.9	4,521
11	Nevada [M / West]	627	20.9	Region [Subdivision Abbreviations]	Rate	Number
12	Maine [NE / Northeast]	274	20.5	West (M, P)	15.5	12,010
13	North Dakota [WNC / Midwest]	154	20.4	Midwest (WNC, ENC)	15.1	10,275
14	Oregon [P / West]	825	19.9	South (ESC, WSC, SA)	15.0	18,500
15	New Hampshire [NE / Northeast]	265	19.7	Nation	14.5	47,173
16	Oklahoma [WSC / South]	756	19.2	Northeast (NE, MA)	11.3	6,388
17	Kansas [WNC / Midwest]	553	19.0			
18	Arizona [M / West]	1,327	18.9			
19	Missouri [WNC / Midwest]	1,151	18.8			
20	Vermont [NE / Northeast]	112	18.0			
21	Washington [P / West]	1,297	17.5			
22	Tennessee [ESC / South]	1,166	17.4			
23	Kentucky [ESC / South]	770	17.3			
24	Alabama [ESC / South]	836	17.1			
25	South Carolina [SA / South]	838	16.7			
26	Indiana [ENC / Midwest]	1,092	16.4			
27	Wisconsin [ENC / Midwest]	926	16.0			
28	Hawaii [P / West]	227	15.9			
28	Pennsylvania [MA / Northeast]	2,030	15.9			
30	Florida [SA / South]	3,227	15.4			
30	Louisiana [WSC / South]	720	15.4			
32	Iowa [WNC / Midwest]	479	15.2			
33	Ohio [ENC / Midwest]	1,740	14.9			
33	Mississippi [ESC / South]	445	14.9			
35	North Carolina [SA / South]	1,521	14.8			
36	Michigan [ENC / Midwest]	1,457	14.6			
Nation		47,173	14.5			
37	Nebraska [WNC / Midwest]	275	14.3			
38	Minnesota [WNC / Midwest]	783	14.0			
39	Virginia [SA / South]	1,179	13.9			
39	Georgia [SA / South]	1,451	13.9			
41	Texas [WSC / South]	3,778	13.3			
42	Rhode Island [NE / Northeast]	129	12.2			
43	Delaware [SA / South]	112	11.6			
44	Illinois [ENC / Midwest]	1,474	11.5			
45	Connecticut [NE / Northeast]	405	11.3			
46	California [P / West]	4,312	10.9			
47	Maryland [SA / South]	630	10.4			
48	Massachusetts [NE / Northeast]	682	9.9			
49	New Jersey [MA / Northeast]	795	8.8			
50	New York [MA / Northeast]	1,696	8.5			
51	District of Columbia [SA / South]	47	6.8			

Caution: Annual fluctuations in state levels combined with often relatively small populations can make these data highly variable. The use of several years' data is preferable to conclusions based on single years alone.

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Source: Obtained 07 December 2017 from CDC/NCHS's *WONDER* (to appear in *Deaths: Final Data for 2017*, forthcoming) <http://www.cdc.gov/nchs/products/nvsr.htm>

[data are by place of residence]
[Suicide = ICD-10 Codes X60-X84, Y87.0, U03]

Note: All rates are per 100,000 population.

* Including the District of Columbia.

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*“to understand and prevent suicide
as a means of promoting human well-being”*

Visit the AAS website at:

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For other suicide data, and an archive of state data, visit the website below and click on the dropdown “Suicide Stats” menu:

<http://pages.iu.edu/~jmcintos/>

References from previous page

- SAMHSA 2017 study (2018): Center for Behavioral Health Statistics and Quality. (2018). *Key substance use and mental health indicators in the United States: Results from the 2017 National Survey on Drug Use and Health* (HHS Pub. No. SMA 17-5068, NSDUH Series H-53). Substance Abuse and Mental Health Services Administration, Rockville, MD. Retrieved 07 Dec 2018 from <https://www.samhsa.gov/data/report/2017-nsduh-annual-national-report>
- † Cerel, J., McIntosh, J. L., Neimeyer, R. A., Maple, M., & Marshall, D. (2014). The continuum of “survivorship”: Definitional issues in the aftermath of suicide. *Suicide & Life-Threatening Behavior*, 44(6), 591-600.
- Cerel, J. (2015, April 18). *We are all connected in suicidology: The continuum of “survivorship.”* Plenary presentation at the 48th annual conference of the American Association of Suicidology, Atlanta, GA. [data from Cerel, Brown, Maple, Bush, van de Venne, Moore, & Flaherty, in progress; personal communication 20 Dec 2015]
- Feigelman, W., Cerel, J., McIntosh, J. L., Brent, D., & Gutin, N. (2017). Suicide exposures and bereavement among American adults: Evidence from the 2016 General Social Survey. *Journal of Affective Disorders*, 227, 1-6. doi: 10.1016/j.jad.2017.09.056
- Jordan, J. R., & McIntosh, J. L. (Eds.). (2011). *Grief after suicide: Understanding the consequences and caring for the survivors*. New York: Routledge.