

Table S1 Youth aged 10–24 years with intentional self-harm reported on death certificates by year in the United States

Socio-demographic category	2017	2018	2019	2020	2021	P value
Age (years), mean ± SD	19.64±3.23	19.60±3.33	19.72±3.27	19.72±3.32	19.75±3.27	0.016
Age group						
Aged 10–14 years	517 (7.62)	597 (8.75)	534 (8.20)	581 (8.73)	598 (8.38)	0.108
Aged 15–19 years	2,495 (36.78)	2,406 (35.28)	2,215 (34.02)	2,220 (33.34)	2,345 (32.85)	<0.0001
Aged 20–24 years	3,772 (55.60)	3,817 (55.97)	3,761 (57.77)	3,857 (57.93)	4,196 (58.78)	0.000
Sex						
Male	5,387 (79.41)	5,390 (79.03)	5,148 (79.08)	5,249 (78.84)	5,611 (78.60)	0.825
Female	1,397 (20.59)	1,430 (20.97)	1,362 (20.92)	1,409 (21.16)	1,528 (21.40)	0.825
Race						
White	4,409 (64.99)	4,386 (64.31)	4,063 (62.41)	3,998 (60.05)	4,124 (57.77)	<0.0001
Black	774 (11.41)	774 (11.35)	795 (12.21)	928 (13.94)	1,002 (14.04)	<0.0001
Hispanic	1,071 (15.79)	1,108 (16.25)	1,152 (17.70)	1,215 (18.25)	1,252 (17.54)	0.000
Asian	339 (5.00)	345 (5.06)	317 (4.87)	315 (4.73)	347 (4.86)	0.918
AIAN	171 (2.52)	184 (2.70)	175 (2.69)	193 (2.90)	196 (2.75)	0.759
Other	20 (0.29)	23 (0.34)	8 (0.12)	9 (0.14)	218 (3.05)	<0.0001
Education						
Below college	515 (7.64)	574 (8.46)	569 (8.79)	539 (8.14)	583 (8.21)	0.177
College	5,789 (85.85)	5,783 (85.19)	5,506 (85.03)	5,668 (85.61)	6,041 (85.06)	0.587
Above college	439 (6.51)	431 (6.35)	400 (6.18)	414 (6.25)	478 (6.73)	0.694
Method of suicide						
Poisoning	504 (7.43)	476 (6.98)	515 (7.91)	511 (7.67)	591 (8.28)	0.051
Firearm	3,146 (46.37)	3,199 (46.91)	2,973 (45.67)	3,399 (51.05)	3,827 (53.61)	<0.0001
Suffocation	2,609 (38.46)	2,604 (38.18)	2,480 (38.10)	2,236 (33.58)	2,171 (30.41)	<0.0001
Other means	525 (7.74)	541 (7.93)	542 (8.33)	512 (7.69)	550 (7.70)	0.622
Clinical characteristics						
Other neurological disorders	150 (2.21)	110 (1.61)	124 (1.90)	100 (1.50)	82 (1.15)	<0.0001
Alcohol abuse	122 (1.80)	125 (1.83)	144 (2.21)	126 (1.89)	143 (2.00)	0.424
Drug abuse	92 (1.36)	74 (1.09)	91 (1.40)	83 (1.25)	113 (1.58)	0.127
Psychoses	22 (0.32)	20 (0.29)	19 (0.29)	22 (0.33)	26 (0.36)	0.942
Depression	312 (4.60)	318 (4.66)	324 (4.98)	270 (4.06)	326 (4.57)	0.155
ECI, mean ± SD	0.11±0.35	0.10±0.34	0.11±0.37	0.10±0.34	0.10±0.36	0.033
No. of comorbidity ≥3	6 (0.09)	5 (0.07)	14 (0.22)	9 (0.14)	12 (0.17)	0.155
No. of comorbidity =2	71 (1.05)	67 (0.98)	72 (1.11)	57 (0.86)	84 (1.18)	0.407
No. of comorbidity =1	570 (8.40)	533 (7.82)	555 (8.53)	498 (7.48)	530 (7.42)	0.046
No. of comorbidity =0	6,137 (90.46)	6,215 (91.13)	5,869 (90.15)	6,094 (91.53)	6,513 (91.23)	0.033

Numbers are n (%) unless otherwise noted. COVID-19, coronavirus disease 2019; SD, standard deviation; AIAN, American Indian and Alaska Native; ECI, Elixhauser comorbidity index.