

***Surveillance for Violent Deaths — National Violent Death Reporting System,
34 States, Four California Counties, District of Columbia, and Puerto Rico, 2017***
Supplemental Tables

The National Violent Death Reporting System (NVDRS) is a state-based active surveillance system that collects data on the characteristics and circumstances associated with violence-related deaths in participating states, districts, and territories. NVDRS data are used to monitor the occurrence of violence-related fatal injuries and assist public health authorities in developing, implementing, and evaluating programs and policies that aim to reduce and prevent violent deaths.

NVDRS collects data on suicides, homicides, legal intervention deaths (i.e., deaths caused by law enforcement acting in the line of duty and other persons with legal authority to use deadly force, excluding legal executions), unintentional firearm deaths, and deaths of undetermined intent in which there was a possibility that force was used to inflict the fatal injury. (The term legal intervention is a classification from ICD-10 [Y-35.0] and does not denote the lawfulness or legality of the circumstances surrounding the death.) NVDRS defines a violent death as a death resulting from the intentional use of physical force or power, threatened or actual, against oneself, another person, or a group or community. The system compiles information from three primary data sources: 1) death certificates, 2) coroner or medical examiner reports, and 3) law enforcement reports, and links deaths that are related (e.g., multiple homicides, a homicide followed by a suicide, or multiple suicides) into a single incident. NVDRS has the capacity to collect over 600 unique variables for each death.

The following tables provide information to supplement the data presented in the 2017 NVDRS Surveillance Summary, *Surveillance for Violent Deaths — National Violent Death Reporting System, 34 States, Four California Counties, District of Columbia, and Puerto Rico, 2017*, available at [LINK]. These tables provide information that was not presented or was not discussed in detail within the 2017 NVDRS Surveillance Summary, but which has been presented in previous NVDRS Surveillance Summaries and may therefore provide useful information for readers who would like further information related to specific manners of violent death or details regarding the circumstances and characteristics surrounding these deaths. Tables that include data for the first time from a US territory (Puerto Rico) are also included. The following tables include data on types of violent death incidents; methods used; location in which injury occurred; deaths of undetermined intent; toxicology results for deaths of undetermined intent, homicides, and legal intervention deaths; additional crime information associated with homicides and legal intervention deaths; types of recent crises associated with suicides, homicides, and legal intervention deaths; and homicides and suicides in Puerto Rico. California collected data from death certificates for all NVDRS cases in the state in 2017; data for violent deaths that occurred in four counties (Los Angeles, Sacramento, Shasta, and Siskiyou) also include information from coroner or medical examiner reports and law enforcement reports. Tables S1 and S3–S14 include data (death certificate, coroner or medical examiner, and law enforcement) from four California counties (Los Angeles, Sacramento, Shasta, and Siskiyou). Table S2 includes statewide data (death certificate only) from California. Tables S15–S19 include data from Puerto Rico.

For more detailed information about NVDRS and more 2017 NVDRS data, please see *Surveillance for Violent Deaths — National Violent Death Reporting System, 34 States, Four California Counties, District of Columbia, and Puerto Rico, 2017*, at: [\[LINK\]](#).

Table S1. Number,* percentage,[†] and rate[§] of deaths, by incident type and manner of death - National Violent Death Reporting System, 34 states, four California counties, and District of Columbia,[¶] 2017

Characteristic	No. (%)	Rate
Incident Type		
Suicide, single	28,948 (64.1)	16.0
Homicide, single	9,895 (21.9)	4.8
Undetermined intent, single	4,435 (9.8)	2.1
Unintentional firearm, single	253 (<1.0)	0.1
Suicide, multiple	40 (<1.0)	**
Homicide, multiple	486 (1.1)	**
Undetermined intent, multiple	22 (<1.0)	**
Legal intervention, ^{††} single and multiple	629 (1.4)	**
Homicide followed by suicide	417 (<1.0)	**
Other combinations of deaths ^{§§}	16 (<1.0)	**
Total	45,141 (100)	**
Manner of Death		
Suicide, or intentional self-harm	29,454 (63.5)	16.3
Homicide	11,550 (24.9)	5.6
Undetermined intent	4,496 (9.7)	2.2
Legal Intervention ^{††}	635 (1.4)	0.3
Unintentional firearm	254 (<1.0)	0.1
Total	46,389 (100)	¶¶

* The Incident Type section reports the number of incidents, including multiple deaths resulting from injuries that are clearly linked by source documents and occur within 24 hours of each other (e.g., multiple homicides perpetrated by the same suspect within a 24-hour period). The Manner of Death section reports the number of deaths. No. incidents = 45,141. No. decedents = 46,389 (45,917 were victims of violence and 472 were both a victim and suspect [e.g., the person killed someone else and then died by suicide]).

[†] Percentages might not total 100% due to rounding.

[§] Per 100,000 population.

[¶] Alaska, Arizona, Colorado, Connecticut, Delaware, Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Maine, Maryland, Massachusetts, Michigan, Minnesota, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin, and District of Columbia. Illinois, Pennsylvania, and Washington collected data on ≥80% of violent deaths in their state, in accordance with requirements under which these states were funded. Data for California are for violent deaths that occurred in four counties (Los Angeles, Sacramento, Shasta, and Siskiyou). Denominators for the rates for these four states (Illinois, Pennsylvania, Washington, and California) represent only the populations of the counties from which the data were collected.

** Because the number of decedents varies in incidents involving multiple deaths, numerators cannot be determined to compute rates.

^{††} The term legal intervention does not denote the lawfulness or legality of the circumstances surrounding the death.

^{§§} Other combinations of deaths include any incident that does not fit into one of the other incident type categories (e.g., an incident with one suicide and one death of undetermined intent).

^{¶¶} Total rates could not be computed because denominators vary by manner of death. Suicide uses population ≥10 years of age and all other manners use the total population.

Table S2. Number,* percentage,[†] and rate[§] of deaths, by incident type and manner of death - National Violent Death Reporting System, 35 states and District of Columbia,[¶] 2017

Characteristic	No. (%)	Rate
Incident Type		
Suicide, single	32,198 (64.4)	15.7
Homicide, single	11,200 (22.4)	4.8
Undetermined intent, single	4,650 (9.3)	2.0
Unintentional firearm, single	253 (<1.0)	0.1
Suicide, multiple	40 (<1.0)	**
Homicide, multiple	487 (<1.0)	**
Undetermined intent, multiple	22 (<1.0)	**
Legal intervention, ^{††} single and multiple	684 (1.4)	**
Homicide followed by suicide	419 (<1.0)	**
Other combinations of deaths ^{§§}	16 (<1.0)	**
Total	49,969 (100)	**
Manner of Death		
Suicide, or intentional self-harm	32,705 (63.9)	15.9
Homicide	12,859 (25.1)	5.5
Undetermined intent	4,711 (9.2)	2.0
Legal Intervention ^{††}	690 (1.3)	0.3
Unintentional firearm	254 (<1.0)	0.1
Total	51,219 (100)	¶¶

* The Incident Type section reports the number of incidents, including multiple deaths resulting from injuries that are clearly linked by source documents and occur within 24 hours of each other (e.g., multiple homicides perpetrated by the same suspect within a 24-hour period). The Manner of death section reports the number of deaths. No. incidents = 49,969. No. decedents = 51,219 (50,746 were victims of violence and 473 were both a victim and suspect [e.g., the person killed someone else and then died by suicide]).

[†] Percentages might not total 100% due to rounding.

[§] Per 100,000 population.

[¶] Alaska, Arizona, California, Colorado, Connecticut, Delaware, Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Maine, Maryland, Massachusetts, Michigan, Minnesota, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin, and District of Columbia. Illinois, Pennsylvania, and Washington collected data on ≥80% of violent deaths in their state, in accordance with requirements under which these states were funded. Denominators for the rates for these three states (Illinois, Pennsylvania, and Washington) represent only the populations of the counties from which the data were collected. Data for California are for violent deaths that occurred statewide.

** Because the number of decedents varies in incidents involving multiple deaths, numerators cannot be determined to compute rates.

^{††} The term legal intervention does not denote the lawfulness or legality of the circumstances surrounding the death.

^{§§} Other combinations of deaths include any incident that does not fit into one of the other incident type categories (e.g., an incident with one suicide and one death of undetermined intent).

^{¶¶} Total rates could not be computed because denominators vary by manner of death. Suicide uses population ≥10 years of age and all other manners use the total population.

Table S3. Number and percentage* of deaths, by method used and location in which injury occurred - National Violent Death Reporting System, 34 states, four California counties, and District of Columbia,† 2017

Characteristic	No. (%)
Method	
Firearm	23,590 (50.9)
Hanging/Strangulation/Suffocation	9,135 (19.7)
Poisoning	7,199 (15.5)
Sharp instrument	1,818 (3.9)
Fall	965 (2.1)
Motor vehicles (e.g., buses, motorcycles, other transport vehicles)	731 (1.6)
Blunt instrument	622 (1.3)
Personal weapons (e.g., hands, feet, fists)	528 (1.1)
Drowning	488 (1.1)
Fire/Burns	297 (<1.0)
Intentional neglect	53 (<1.0)
Other (single method)	172 (<1.0)
Unknown	791 (1.7)
Total	46,389 (100)
Injury Location	
House/Apartment	29,992 (64.7)
Street/Highway	3,792 (8.2)
Motor vehicle	2,824 (6.1)
Natural area	1,856 (4.0)
Parking lot/Public garage/Public transport	1,057 (2.3)
Hotel/Motel	941 (2.0)
Park/Playground/Sports or athletic area	677 (1.5)
Commercial/Retail area	660 (1.4)
Jail/Prison	499 (1.1)
Bridge	275 (<1.0)
Railroad tracks	267 (<1.0)
Hospital or medical facility	196 (<1.0)
Supervised residential facility	196 (<1.0)
Bar/Nightclub	186 (<1.0)
Abandoned house/Building/Warehouse	141 (<1.0)
Farm	132 (<1.0)
Industrial or construction area	113 (<1.0)
Cemetery/Graveyard/Other burial ground	100 (<1.0)

Table S3. Number and percentage* of deaths, by method used and location in which injury occurred - National Violent Death Reporting System, 34 states, four California counties, and District of Columbia,† 2017

Characteristic	No. (%)
Office building	98 (<1.0)
Preschool/School/College/School bus	97 (<1.0)
Synagogue/Church/Temple	39 (<1.0)
Other unspecified location	554 (1.2)
Unknown	1,697 (3.7)
Total	46,389 (100)

* Percentages might not total 100% due to rounding.

† Alaska, Arizona, Colorado, Connecticut, Delaware, Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Maine, Maryland, Massachusetts, Michigan, Minnesota, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin, and District of Columbia. Illinois, Pennsylvania, and Washington collected data on ≥80% of violent deaths in their state, in accordance with requirements under which these states were funded. Data for California are for violent deaths that occurred in four counties (Los Angeles, Sacramento, Shasta, and Siskiyou).

Table S4. Number, percentage,* and rate[†] of deaths of undetermined intent,[§] by decedent sex, age group, race/ethnicity, method used, and location in which injury occurred - National Violent Death Reporting System, 34 states, four California counties, and District of Columbia,[¶] 2017

Characteristic	Male		Female		Total	
	No. (%)	Rate	No. (%)	Rate	No. (%)	Rate
Age Group (years)						
<1	37 (1.2)	3.0	35 (2.3)	3.0	72 (1.6)	3.0
1-4	32 (1.1)	0.6	25 (1.6)	0.5	57 (1.3)	0.6
5-9	6 (<1.0)	**	5 (<1.0)	**	11 (<1.0)	**
10-14	13 (<1.0)	**	4 (<1.0)	**	17 (<1.0)	**
15-19	60 (2.0)	0.9	28 (1.8)	0.4	88 (2.0)	0.7
20-24	200 (6.8)	2.8	69 (4.5)	1.0	269 (6.0)	1.9
25-29	325 (11.0)	4.3	127 (8.3)	1.8	452 (10.1)	3.1
30-34	371 (12.5)	5.3	153 (10.0)	2.2	524 (11.7)	3.8
35-44	587 (19.8)	4.6	286 (18.6)	2.2	873 (19.4)	3.4
45-54	595 (20.1)	4.5	357 (23.3)	2.6	952 (21.2)	3.5
55-64	507 (17.1)	3.9	291 (19.0)	2.1	798 (17.7)	3.0
65-74	147 (5.0)	1.7	85 (5.5)	0.8	232 (5.2)	1.2
75-84	53 (1.8)	1.3	39 (2.5)	0.7	92 (2.0)	1.0
≥85	23 (<1.0)	1.6	30 (2.0)	1.1	53 (1.2)	1.3
Unknown	5 (<1.0)	**	0 (0.0)	**	6 (<1.0)	**
Race/Ethnicity						
White, non-Hispanic	2,013 (68.0)	3.0	1,184 (77.2)	1.7	3,197 (71.1)	2.4
Black, non-Hispanic	640 (21.6)	4.9	235 (15.3)	1.6	875 (19.5)	3.2
American Indian/Alaska Native, non-Hispanic	47 (1.6)	4.9	23 (1.5)	2.3	70 (1.6)	3.5
Asian/Pacific Islander	40 (1.4)	0.7	21 (1.4)	0.3	61 (1.4)	0.5
Hispanic ^{††}	208 (7.0)	1.4	70 (4.6)	0.5	278 (6.2)	0.9
Other	13 (<1.0)	**	1 (<1.0)	**	15 (<1.0)	**
Unknown	0 (0.0)	**	0 (0.0)	**	0 (0.0)	**
Method						
Poisoning	2,059 (69.5)	2.0	1,133 (73.9)	1.1	3,192 (71.0)	1.6
Drowning	131 (4.4)	0.1	51 (3.3)	<0.1	182 (4.0)	<0.1
Fall	113 (3.8)	0.1	48 (3.1)	<0.1	161 (3.6)	<0.1
Firearm	117 (4.0)	0.1	24 (1.6)	<0.1	142 (3.2)	<0.1
Blunt instrument	79 (2.7)	<0.1	19 (1.2)	**	98 (2.2)	<0.1
Motor vehicles (e.g., buses, motorcycles, other transport vehicles)	70 (2.4)	<0.1	25 (1.6)	<0.1	95 (2.1)	<0.1

Table S4. Number, percentage,* and rate[†] of deaths of undetermined intent,[§] by decedent sex, age group, race/ethnicity, method used, and location in which injury occurred - National Violent Death Reporting System, 34 states, four California counties, and District of Columbia,[¶] 2017

Characteristic	Male		Female		Total	
	No. (%)	Rate	No. (%)	Rate	No. (%)	Rate
Hanging/Strangulation/Suffocation	59 (2.0)	<0.1	28 (1.8)	<0.1	87 (1.9)	<0.1
Fire/Burns	51 (1.7)	<0.1	30 (2.0)	<0.1	81 (1.8)	<0.1
Personal weapons (e.g., hands, feet, fists)	20 (<1.0)	<0.1	13 (<1.0)	**	33 (<1.0)	<0.1
Sharp instrument	25 (<1.0)	<0.1	3 (<1.0)	**	28 (<1.0)	<0.1
Intentional neglect	3 (<1.0)	**	7 (<1.0)	**	10 (<1.0)	**
Other (single method)	33 (1.1)	**	15 (<1.0)	**	48 (1.1)	**
Unknown	201 (6.8)	**	138 (9.0)	**	339 (7.5)	**
Location of Injury						
House/Apartment	1,866 (63.0)	1.8	1,160 (75.6)	1.1	3,027 (67.3)	1.5
Natural area	181 (6.1)	0.2	47 (3.1)	<0.1	228 (5.1)	0.1
Street/Highway	133 (4.5)	0.1	38 (2.5)	<0.1	171 (3.8)	<0.1
Motor vehicle	122 (4.1)	0.1	40 (2.6)	<0.1	162 (3.6)	<0.1
Hotel/Motel	104 (3.5)	0.1	56 (3.7)	<0.1	160 (3.6)	<0.1
Parking lot/Public garage/Public transport	59 (2.0)	<0.1	4 (<1.0)	**	63 (1.4)	<0.1
Supervised residential facility	45 (1.5)	<0.1	18 (1.2)	**	63 (1.4)	<0.1
Commercial/Retail area	30 (1.0)	<0.1	9 (<1.0)	**	39 (<1.0)	<0.1
Hospital or medical facility	20 (<1.0)	<0.1	18 (1.2)	**	38 (<1.0)	<0.1
Abandoned house/Building/Warehouse	33 (1.1)	<0.1	3 (<1.0)	**	36 (<1.0)	<0.1
Railroad tracks	23 (<1.0)	<0.1	4 (<1.0)	**	27 (<1.0)	<0.1
Jail/Prison	18 (<1.0)	**	6 (<1.0)	**	24 (<1.0)	<0.1
Park/Playground/Sports or athletic area	17 (<1.0)	**	5 (<1.0)	**	22 (<1.0)	<0.1
Bridge	6 (<1.0)	**	0 (0.0)	**	6 (<1.0)	**
Other location ^{§§}	43 (1.5)	**	15 (<1.0)	**	58 (1.3)	**
Unknown	261 (8.8)	**	111 (7.2)	**	372 (8.3)	**
Total	2,961 (100)	2.9	1,534 (100)	1.5	4,496 (100)	2.2

Table S4. Number, percentage,* and rate[†] of deaths of undetermined intent,[§] by decedent sex, age group, race/ethnicity, method used, and location in which injury occurred - National Violent Death Reporting System, 34 states, four California counties, and District of Columbia,[¶] 2017

Characteristic	Male		Female		Total	
	No. (%)	Rate	No. (%)	Rate	No. (%)	Rate

* Percentages might not total 100% due to rounding. Sex was unknown for n = 1 decedent.

[†] Per 100,000 population.

[§] Deaths that result from the use of force or power against oneself or another person for which evidence indicating one manner of death is no more compelling than evidence indicating another.

[¶] Alaska, Arizona, Colorado, Connecticut, Delaware, Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Maine, Maryland, Massachusetts, Michigan, Minnesota, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin, and District of Columbia. Illinois, Pennsylvania, and Washington collected data on ≥80% of violent deaths in their state, in accordance with requirements under which these states were funded. Data for California are for violent deaths that occurred in four counties (Los Angeles, Sacramento, Shasta, and Siskiyou). Denominators for the rates for these four states (Illinois, Pennsylvania, Washington, and California) represent only the populations of the counties from which the data were collected.

** Rates are not reported when number of decedents is <20 or when characteristic response is 'Other' or 'Unknown'.

^{††} Includes persons of any race.

^{§§} Other location includes (in descending order): industrial or construction area, bar/nightclub, office building, farm, synagogue/church/temple, cemetery/graveyard/other burial ground, preschool/school/college/school bus, other unspecified location.

Table S5. Number* and percentage of decedents of deaths of undetermined intent[†] tested for alcohol and drugs and whose results were positive,[§] by toxicology - National Violent Death Reporting System, 34 states, four California counties, and District of Columbia,[¶] 2017

Toxicology	Tested No. (%)	Positive No. (%)
Blood alcohol concentration**	3,253 (72.4)	1,228 (37.7)
Alcohol < 0.08 g/dL		427 (34.8)
Alcohol ≥ 0.08 g/dL		648 (52.8)
Alcohol positive - level unknown		153 (12.5)
Amphetamines	1,518 (33.8)	393 (25.9)
Anticonvulsants	1,128 (25.1)	327 (29.0)
Antidepressants	1,615 (35.9)	939 (58.1)
Antipsychotics	1,080 (24.0)	243 (22.5)
Barbiturates	1,321 (29.4)	48 (3.6)
Benzodiazepines	1,847 (41.1)	907 (49.1)
Carbon monoxide	332 (7.4)	116 (34.9)
Cocaine	2,165 (48.2)	945 (43.6)
Marijuana	1,359 (30.2)	386 (28.4)
Muscle relaxants	1,043 (23.2)	164 (15.7)
Opioids	3,334 (74.2)	2,620 (78.6)
Other drugs/substances ^{††}	2,496 (55.5)	2,399 (96.1)

*No. of decedents of undetermined intent = 4,496.

[†] Deaths that result from the use of force or power against oneself or another person for which evidence indicating one manner of death is no more compelling than evidence indicating another.

[§] Percentage is of decedents tested for toxicology.

[¶] Alaska, Arizona, Colorado, Connecticut, Delaware, Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Maine, Maryland, Massachusetts, Michigan, Minnesota, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin, and District of Columbia. Illinois, Pennsylvania, and Washington collected data on ≥80% of violent deaths in their state, in accordance with requirements under which these states were funded. Data for California are for violent deaths that occurred in four counties (Los Angeles, Sacramento, Shasta, and Siskiyou).

** Blood alcohol concentration of ≥ 0.08 g/dL is over the legal limit in all states and is used as the standard for intoxication.

^{††} Other drugs/substances indicated if any results were positive; levels for these drugs/substances are not measured.

Table S6. Number* and percentage[†] of deaths of undetermined intent,[§] by decedent sex and precipitating circumstances - National Violent Death Reporting System, 34 states, four California counties, and District of Columbia,[¶] 2017

Precipitating Circumstances	Male No. (%)	Female No. (%)	Total No. (%)
Mental Health/Substance Use			
Current diagnosed mental health problem**	771 (31.6)	620 (47.8)	1,391 (37.2)
Depression/Dysthymia	407 (52.8)	383 (61.8)	790 (56.8)
Anxiety disorder	163 (21.1)	160 (25.8)	323 (23.2)
Bipolar disorder	147 (19.1)	144 (23.2)	291 (20.9)
Schizophrenia	86 (11.2)	38 (6.1)	124 (8.9)
PTSD	38 (4.9)	21 (3.4)	59 (4.2)
ADD/ADHD	29 (3.8)	10 (1.6)	39 (2.8)
OCD	3 (<1.0)	3 (<1.0)	6 (<1.0)
Eating disorder	1 (<1.0)	4 (<1.0)	5 (<1.0)
Other	52 (6.7)	40 (6.5)	92 (6.6)
Unknown	126 (16.3)	75 (12.1)	201 (14.5)
Substance use problem (excludes alcohol)	1,756 (71.9)	827 (63.7)	2,583 (69.0)
History of ever being treated for a mental health problem	801 (32.8)	546 (42.1)	1,347 (36.0)
Alcohol problem	750 (30.7)	266 (20.5)	1,016 (27.2)
Current mental health treatment	476 (19.5)	366 (28.2)	842 (22.5)
Current depressed mood	179 (7.3)	120 (9.2)	299 (8.0)
Other addiction (e.g., gambling, sexual)	14 (<1.0)	3 (<1.0)	17 (<1.0)
Interpersonal			
Intimate partner problem	111 (4.5)	81 (6.2)	192 (5.1)
Family relationship problem	70 (2.9)	67 (5.2)	137 (3.7)
Other death of family member or friend	57 (2.3)	44 (3.4)	101 (2.7)
Other relationship problem (non-intimate)	27 (1.1)	20 (1.5)	47 (1.3)
Victim of interpersonal violence during past month	10 (<1.0)	27 (2.1)	37 (<1.0)
Suicide of family member or friend	8 (<1.0)	6 (<1.0)	14 (<1.0)
Perpetrator of interpersonal violence during past month	7 (<1.0)	5 (<1.0)	12 (<1.0)
Life Stressor			
Physical health problem	293 (12.0)	238 (18.3)	531 (14.2)
Crisis during previous or upcoming 2 weeks	227 (9.3)	155 (11.9)	382 (10.2)
Argument or conflict	121 (5.0)	93 (7.2)	214 (5.7)
Recent criminal legal problem	79 (3.2)	19 (1.5)	98 (2.6)
Job problem	52 (2.1)	24 (1.8)	76 (2.0)

Table S6. Number* and percentage[†] of deaths of undetermined intent,[§] by decedent sex and precipitating circumstances - National Violent Death Reporting System, 34 states, four California counties, and District of Columbia,[¶] 2017

Precipitating Circumstances	Male No. (%)	Female No. (%)	Total No. (%)
Financial problem	31 (1.3)	24 (1.8)	55 (1.5)
Eviction or loss of home	34 (1.4)	19 (1.5)	53 (1.4)
Caretaker abuse/neglect led to suicide	24 (<1.0)	28 (2.2)	52 (1.4)
Physical fight (2 people, not a brawl)	41 (1.7)	8 (<1.0)	49 (1.3)
Non-criminal legal problem	14 (<1.0)	18 (1.4)	32 (<1.0)
History of child abuse/neglect	9 (<1.0)	11 (<1.0)	20 (<1.0)
Traumatic anniversary	6 (<1.0)	5 (<1.0)	11 (<1.0)
School problem	6 (<1.0)	1 (<1.0)	7 (<1.0)
Exposure to disaster	1 (<1.0)	0 (0.0)	1 (<1.0)
Crime and Criminal Activity			
Precipitated by another crime	47 (1.9)	14 (1.1)	61 (1.6)
Crime in progress ^{††}	15 (31.9)	3 (21.4)	18 (29.5)
Terrorist attack	0 (0.0)	0 (0.0)	0 (0.0)
Suicide Event			
History of suicidal thoughts or plans	216 (8.8)	147 (11.3)	363 (9.7)
History of suicide attempt(s)	173 (7.1)	155 (11.9)	328 (8.8)
Left a suicide note	37 (1.5)	25 (1.9)	62 (1.7)
Suicide Disclosure			
Disclosed suicidal intent	120 (4.9)	75 (5.8)	195 (5.2)
Disclosed intent to whom ^{§§}			
Previous or current intimate partner	34 (28.3)	19 (25.3)	53 (27.2)
Other family member	28 (23.3)	19 (25.3)	47 (24.1)
Friend/Colleague	20 (16.7)	7 (9.3)	27 (13.8)
Health care worker	9 (7.5)	10 (13.3)	19 (9.7)
Neighbor	1 (<1.0)	2 (2.7)	3 (1.5)
Other person	14 (11.7)	7 (9.3)	21 (10.8)
Unknown	14 (11.7)	11 (14.7)	25 (12.8)
Total^{¶¶}	2,443 (82.5)	1,298 (84.6)	3,741 (83.2)

Table S6. Number* and percentage[†] of deaths of undetermined intent,[§] by decedent sex and precipitating circumstances - National Violent Death Reporting System, 34 states, four California counties, and District of Columbia,[¶] 2017

Precipitating Circumstances	Male No. (%)	Female No. (%)	Total No. (%)
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Abbreviation: ADD/ADHD = attention deficit disorder/attention deficit hyperactivity disorder; OCD = obsessive-compulsive disorder; PTSD = posttraumatic stress disorder.

* Includes deaths of undetermined intent with one or more precipitating circumstances. More than one circumstance could have been present per decedent.

[†] Denominator includes those deaths of undetermined intent with one or more precipitating circumstances. The sums of percentages in columns exceed 100% because more than one circumstance could have been present per decedent.

[§] Deaths that result from the use of force or power against oneself or another person for which evidence indicating one manner of death is no more compelling than evidence indicating another.

[¶] Alaska, Arizona, Colorado, Connecticut, Delaware, Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Maine, Maryland, Massachusetts, Michigan, Minnesota, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin, and District of Columbia. Illinois, Pennsylvania, and Washington collected data on ≥80% of violent deaths in their state, in accordance with requirements under which these states were funded. Data for California are for violent deaths that occurred in four counties (Los Angeles, Sacramento, Shasta, and Siskiyou).

** Includes decedents with one or more diagnosed current mental health problems; therefore, sums of percentages for the diagnosed conditions exceed 100%. Denominator in percentages is the number of decedents with one or more current diagnosed mental health problems.

^{††} Denominator includes those decedents involved in an incident that was precipitated by another crime.

^{§§} Denominator is decedents who disclosed intent.

^{¶¶} Circumstances were unknown for 755 decedents (518 males, 236 females, 1 unknown). Total number of deaths of undetermined intent = 4,496 (2,961 males, 1,534 females and 1 unknown).

Table S7. Number* and percentage[†] of decedents of deaths of undetermined intent[§] who experienced a recent crisis, by decedent sex and type of crisis circumstance - National Violent Death Reporting System, 34 states, four California counties, and District of Columbia,[¶] 2017

Type of Crisis	Male No. (%)	Female No. (%)	Total No. (%)
Crisis during previous or upcoming 2 weeks	227 (100)	155 (100)	382 (100)
Contributing physical health problem	35 (15.4)	32 (20.6)	67 (17.5)
Other substance use problem (excludes alcohol)	38 (16.7)	28 (18.1)	66 (17.3)
Intimate partner problem	29 (12.8)	23 (14.8)	52 (13.6)
Contributing criminal legal problem	27 (11.9)	6 (3.9)	33 (8.6)
Alcohol problem	10 (4.4)	12 (7.7)	22 (5.8)
Current diagnosed mental health problem	11 (4.8)	7 (4.5)	18 (4.7)
Family relationship problem	11 (4.8)	7 (4.5)	18 (4.7)
Job problem	13 (5.7)	5 (3.2)	18 (4.7)
Eviction or loss of home	9 (4.0)	6 (3.9)	15 (3.9)
Other death of friend or family	5 (2.2)	7 (4.5)	12 (3.1)
Other addiction (e.g., gambling, sexual)	3 (1.3)	1 (<1.0)	4 (1.0)
Civil/Legal problems	2 (<1.0)	1 (<1.0)	3 (<1.0)
Financial problem	2 (<1.0)	1 (<1.0)	3 (<1.0)
Suicide of friend or family	1 (<1.0)	2 (1.3)	3 (<1.0)
Other relationship problem (non-intimate)	2 (<1.0)	0 (0.0)	2 (<1.0)
School problem	1 (<1.0)	0 (0.0)	1 (<1.0)
Disaster exposure	0 (0.0)	0 (0.0)	0 (0.0)
Other crisis	77 (33.9)	46 (29.7)	123 (32.2)

* Includes decedents who experienced one or more crises during the previous or upcoming two weeks. Numbers will not equal the sums of the columns because more than one crisis could have been present per decedent.

[†] Denominator includes only those decedents who experienced one or more crises during the previous or upcoming two weeks. Percentages do not sum to 100% because a decedent could have experienced more than one crisis.

[§] Deaths that result from the use of force or power against oneself or another person for which evidence indicating one manner of death is no more compelling than evidence indicating another.

[¶] Alaska, Arizona, Colorado, Connecticut, Delaware, Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Maine, Maryland, Massachusetts, Michigan, Minnesota, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin, and District of Columbia. Illinois, Pennsylvania, and Washington collected data on ≥80% of violent deaths in their state, in accordance with requirements under which these states were funded. Data for California are for violent deaths that occurred in four counties (Los Angeles, Sacramento, Shasta, and Siskiyou).

Table S8. Number* and percentage† of suicide decedents who experienced a recent crisis, by decedent sex and type of crisis circumstance - National Violent Death Reporting System, 34 states, four California counties, and District of Columbia,§ 2017

Type of Crisis	Male No. (%)	Female No. (%)	Total No. (%)
Crisis during previous or upcoming 2 weeks	6,740 (100)	1,668 (100)	8,408 (100)
Intimate partner problem	2,362 (35.0)	586 (35.1)	2,948 (35.1)
Contributing physical health problem	1,034 (15.3)	217 (13.0)	1,251 (14.9)
Contributing criminal legal problem	873 (13.0)	86 (5.2)	959 (11.4)
Job problem	512 (7.6)	90 (5.4)	602 (7.2)
Family relationship problem	439 (6.5)	155 (9.3)	594 (7.1)
Eviction or loss of home	346 (5.1)	85 (5.1)	431 (5.1)
Alcohol problem	298 (4.4)	61 (3.7)	359 (4.3)
Financial problem	264 (3.9)	71 (4.3)	335 (4.0)
Current diagnosed mental health problem	215 (3.2)	97 (5.8)	312 (3.7)
Other death of friend or family	201 (3.0)	87 (5.2)	288 (3.4)
Other substance use problem (excludes alcohol)	201 (3.0)	51 (3.1)	252 (3.0)
Civil/Legal problems	188 (2.8)	61 (3.7)	249 (3.0)
Other relationship problem (non-intimate)	105 (1.6)	30 (1.8)	135 (1.6)
School problem	84 (1.2)	20 (1.2)	104 (1.2)
Suicide of friend or family	49 (<1.0)	24 (1.4)	73 (<1.0)
Other addiction (e.g., gambling, sexual)	17 (<1.0)	2 (<1.0)	19 (<1.0)
Disaster exposure	2 (<1.0)	0 (0.0)	2 (<1.0)
Other crisis	1,391 (20.6)	415 (24.9)	1,806 (21.5)

* Includes decedents who experienced one or more crises during the previous or upcoming two weeks. Numbers will not equal the sums of the columns because more than one crisis could have been present per decedent.

† Denominator includes only those decedents who experienced one or more crises during the previous or upcoming two weeks. Percentages do not sum to 100% because a decedent could have experienced more than one crisis.

§ Alaska, Arizona, Colorado, Connecticut, Delaware, Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Maine, Maryland, Massachusetts, Michigan, Minnesota, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin, and District of Columbia. Illinois, Pennsylvania, and Washington collected data on ≥80% of violent deaths in their state, in accordance with requirements under which these states were funded. Data for California are for violent deaths that occurred in four counties (Los Angeles, Sacramento, Shasta, and Siskiyou).

Table S9. Number* and percentage of homicide decedents tested for alcohol and drugs and whose results were positive,[†] by toxicology - National Violent Death Reporting System, 34 states, four California counties, and District of Columbia,[§] 2017

Toxicology	Tested No. (%)	Positive No. (%)
Blood alcohol concentration [¶]	7,571 (65.5)	2,811 (37.1)
Alcohol < 0.08 g/dL		1,058 (37.6)
Alcohol ≥ 0.08 g/dL		1,598 (56.8)
Alcohol positive - level unknown		155 (5.5)
Amphetamines	5,782 (50.1)	1,103 (19.1)
Anticonvulsants	2,224 (19.3)	189 (8.5)
Antidepressants	2,311 (20.0)	236 (10.2)
Antipsychotics	2,190 (19.0)	49 (2.2)
Barbiturates	4,723 (40.9)	44 (<1.0)
Benzodiazepines	5,152 (44.6)	676 (13.1)
Carbon monoxide	650 (5.6)	134 (20.6)
Cocaine	6,153 (53.3)	999 (16.2)
Marijuana	5,746 (49.7)	3,056 (53.2)
Muscle relaxants	2,377 (20.6)	47 (2.0)
Opioids	6,253 (54.1)	1,190 (19.0)
Other drugs/substances**	2,414 (20.9)	1,974 (81.8)

* No. of homicide decedents = 11,550.

[†] Percentage is of decedents tested for toxicology.

[§] Alaska, Arizona, Colorado, Connecticut, Delaware, Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Maine, Maryland, Massachusetts, Michigan, Minnesota, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin, and District of Columbia. Illinois, Pennsylvania, and Washington collected data on ≥80% of violent deaths in their state, in accordance with requirements under which these states were funded. Data for California are for violent deaths that occurred in four counties (Los Angeles, Sacramento, Shasta, and Siskiyou).

[¶] Blood alcohol concentration of ≥ 0.08 g/dL is over the legal limit in all states and is used as the standard for intoxication.

** Other drugs/substances indicated if any results were positive; levels for these drugs/substances are not measured.

Table S10. Number* and percentage† of homicides precipitated by another crime, by type of crime - National Violent Death Reporting System, 34 states, four California counties, and District of Columbia,§ 2017

Type of Crime	No. (%)
Precipitated by another crime	2,624 (100.0)
Assault/Homicide	1,054 (40.2)
Robbery	917 (34.9)
Drug trade	409 (15.6)
Burglary	339 (12.9)
Motor vehicle theft	98 (3.7)
Rape/Sexual assault	68 (2.6)
Arson	52 (2.0)
Witness intimidation/elimination	12 (<1.0)
Gambling	11 (<1.0)
Other crime	212 (8.1)
Unknown	53 (2.0)

* Includes deaths precipitated by another crime. Number will not equal the sum of the column because a death could have been precipitated by more than one crime.

† Denominator includes those decedents involved in an incident that was precipitated by another crime. Percentages do not sum to 100% because a decedent could have experienced more than one crime.

§ Alaska, Arizona, Colorado, Connecticut, Delaware, Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Maine, Maryland, Massachusetts, Michigan, Minnesota, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin, and District of Columbia. Illinois, Pennsylvania, and Washington collected data on ≥80% of violent deaths in their state, in accordance with requirements under which these states were funded. Data for California are for violent deaths that occurred in four counties (Los Angeles, Sacramento, Shasta, and Siskiyou).

Table S11. Number* and percentage† of homicide decedents who experienced a recent crisis, by decedent sex and type of crisis circumstance - National Violent Death Reporting System, 34 states, four California counties, and District of Columbia,§ 2017

Type of Crisis	Male No. (%)	Female No. (%)	Total No. (%)
Crisis during previous or upcoming 2 weeks	511 (100)	257 (100)	768 (100)
Family relationship problem	106 (20.7)	66 (25.7)	172 (22.4)
Other relationship problem (non-intimate)	107 (20.9)	22 (8.6)	129 (16.8)
Jealousy (lovers' triangle)	48 (9.4)	30 (11.7)	78 (10.2)
Other substance use problem (excludes alcohol)	11 (2.2)	5 (1.9)	16 (2.1)
Stalking	3 (<1.0)	9 (3.5)	12 (1.6)
Prostitution	7 (1.4)	5 (1.9)	12 (1.6)
Current diagnosed mental health problem	4 (<1.0)	0 (0.0)	4 (<1.0)
Alcohol problem	1 (<1.0)	0 (0.0)	1 (<1.0)
Other addiction (e.g., gambling, sexual)	0 (0.0)	0 (0.0)	0 (0.0)
Other crisis	241 (47.2)	117 (45.5)	358 (46.6)

* Includes decedents who experienced one or more crises during the previous or upcoming two weeks. Numbers will not equal the sums of the columns because more than one crisis could have been present per decedent.

† Denominator includes only those decedents who experienced one or more crises during the previous or upcoming two weeks.

Percentages do not sum to 100% because a decedent could have experienced more than one crisis.

§ Alaska, Arizona, Colorado, Connecticut, Delaware, Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Maine, Maryland, Massachusetts, Michigan, Minnesota, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin, and District of Columbia. Illinois, Pennsylvania, and Washington collected data on ≥80% of violent deaths in their state, in accordance with requirements under which these states were funded. Data for California are for violent deaths that occurred in four counties (Los Angeles, Sacramento, Shasta, and Siskiyou).

Table S12. Number* and percentage of legal intervention[†] decedents tested for alcohol and drugs and whose results were positive,[§] by toxicology - National Violent Death Reporting System, 34 states, four California counties, and District of Columbia,[¶] 2017

Toxicology	Tested No. (%)	Positive No. (%)
Blood alcohol concentration**	476 (75.0)	194 (40.8)
Alcohol < 0.08 g/dL		51 (26.3)
Alcohol ≥ 0.08 g/dL		140 (72.2)
Alcohol positive - level unknown		3 (1.5)
Amphetamines	434 (68.3)	190 (43.8)
Anticonvulsants	158 (24.9)	17 (10.8)
Antidepressants	246 (38.7)	36 (14.6)
Antipsychotics	213 (33.5)	8 (3.8)
Barbiturates	359 (56.5)	4 (1.1)
Benzodiazepines	411 (64.7)	72 (17.5)
Carbon monoxide	27 (4.3)	3 (11.1)
Cocaine	435 (68.5)	66 (15.2)
Marijuana	370 (58.3)	185 (50.0)
Muscle relaxants	204 (32.1)	8 (3.9)
Opioids	444 (69.9)	95 (21.4)
Other drugs/substances ^{††}	199 (31.3)	169 (84.9)

* No. of legal intervention decedents = 635.

[†] The term legal intervention does not denote the lawfulness or legality of the circumstances surrounding the death.

[§] Percentage is of decedents tested for toxicology.

[¶] Alaska, Arizona, Colorado, Connecticut, Delaware, Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Maine, Maryland, Massachusetts, Michigan, Minnesota, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin, and District of Columbia. Illinois, Pennsylvania, and Washington collected data on ≥80% of violent deaths in their state, in accordance with requirements under which these states were funded. Data for California are for violent deaths that occurred in four counties (Los Angeles, Sacramento, Shasta, and Siskiyou).

** Blood alcohol concentration of ≥ 0.08 g/dL is over the legal limit in all states and is used as the standard for intoxication.

^{††} Other drugs/substances indicated if any results were positive; levels for these drugs/substances are not measured.

Table S13. Number* and percentage[†] of legal intervention[§] deaths precipitated by another crime, by type of crime - National Violent Death Reporting System, 34 states, four California counties, and District of Columbia[¶], 2017

Type of Crime	No. (%)
Precipitated by another crime	569 (100.0)
Assault/Homicide	323 (56.8)
Robbery	58 (10.2)
Motor vehicle theft	54 (9.5)
Burglary	31 (5.4)
Drug trade	11 (1.9)
Rape/Sexual assault	8 (1.4)
Arson	3 (<1.0)
Other crime	182 (32.0)
Unknown	52 (9.1)

*Includes deaths precipitated by another crime. Number will not equal the sum of the column because a death could have been precipitated by more than one other crime.

[†] Denominator includes those decedents involved in an incident that was precipitated by another crime. Percentages do not sum to 100% because a decedent could have experienced more than one other crime.

[§] The term legal intervention does not denote the lawfulness or legality of the circumstances surrounding the death.

[¶] Alaska, Arizona, Colorado, Connecticut, Delaware, Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Maine, Maryland, Massachusetts, Michigan, Minnesota, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin, and District of Columbia. Illinois, Pennsylvania, and Washington collected data on ≥80% of violent deaths in their state, in accordance with requirements under which these states were funded. Data for California are for violent deaths that occurred in four counties (Los Angeles, Sacramento, Shasta, and Siskiyou).

Table S14. Number* and percentage[†] of males[§] who died by legal intervention[¶] and experienced a recent crisis, by type of crisis circumstance - National Violent Death Reporting System, 34 states, four California counties, and District of Columbia, 2017**

Type of Crisis	Male No. (%)
Crisis during previous or upcoming 2 weeks	88 (100)
Other relationship problem (non-intimate)	6 (6.8)
Alcohol problem	4 (4.5)
Other substance use problem (excludes alcohol)	4 (4.5)
Family relationship problem	4 (4.5)
Current diagnosed mental health problem	3 (3.4)
Stalking	2 (2.3)
Jealousy (lovers' triangle)	2 (2.3)
Other addiction (e.g., gambling, sexual)	0 (0.0)
Prostitution	0 (0.0)
Other crisis	47 (53.4)

* Includes decedents who experienced one or more crises during the previous or upcoming two weeks. Number will not equal the sum of the column because more than one crisis could have been present per decedent.

[†] Denominator includes only those decedents who experienced one or more crises during the previous or upcoming two weeks.

Percentages do not sum to 100% because a decedent could have experienced more than one crisis.

[§] Number and percentage of female legal intervention decedents excluded due to low counts.

[¶] The term legal intervention does not denote the lawfulness or legality of the circumstances surrounding the death.

** Alaska, Arizona, Colorado, Connecticut, Delaware, Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Maine, Maryland, Massachusetts, Michigan, Minnesota, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin, and District of Columbia. Illinois, Pennsylvania, and Washington collected data on ≥80% of violent deaths in their state, in accordance with requirements under which these states were funded. Data for California are for violent deaths that occurred in four counties (Los Angeles, Sacramento, Shasta, and Siskiyou).

Table S15. Number, percentage,* and rate[†] of homicides, by decedent sex, age group, race/ethnicity, method used, location in which injury occurred, and victim-to-suspect relationship - National Violent Death Reporting System, Puerto Rico, 2017

Characteristic	Male		Female		Total	
	No. (%)	Rate	No. (%)	Rate	No. (%)	Rate
Age Group (years)						
<1-17	16 (2.3)	§	¶	§	¶	§
18-29	331 (47.8)	120.5	15 (40.5)	§	346 (47.5)	63.3
30-44	236 (34.1)	82.4	¶	§	¶	§
45-64	80 (11.6)	19.9	¶	§	¶	§
≥65	18 (2.6)	§	¶	§	¶	§
Unknown	11 (1.6)	§	¶	§	¶	§
Race/Ethnicity						
White, non-Hispanic	14 (2.0)	**	0 (0.0)	**	14 (1.9)	**
Black, non-Hispanic	¶	**	¶	**	¶	**
American Indian/Alaska Native, non-Hispanic	0 (0.0)	**	0 (0.0)	**	0 (0.0)	**
Asian/Pacific Islander	¶	**	0 (0.0)	**	¶	**
Hispanic ^{††}	661 (95.5)	**	36 (97.3)	**	697 (95.6)	**
Other	¶	**	0 (0.0)	**	¶	**
Unknown	0 (0.0)	**	¶	**	0 (0.0)	**
Method						
Firearm	632 (91.3)	40.0	24 (64.9)	1.4	656 (90.0)	19.7
Sharp instrument	27 (3.9)	1.7	¶	§	¶	§
Fire/Burns	11 (1.6)	§	0 (0.0)	§	11 (1.5)	§
Other method ^{§§}	21 (3.0)	§	¶	§	¶	§
Unknown	¶	§	0 (0.0)	§	¶	§
Location of Injury						
Street/Highway	359 (51.9)	22.7	¶	§	¶	§
Motor vehicle	126 (18.2)	8.0	¶	§	¶	§
House/Apartment	96 (13.9)	6.1	23 (62.2)	1.3	119 (16.3)	3.6
Commercial/Retail area	35 (5.1)	2.2	0 (0.0)	§	35 (4.8)	1.1
Other location ^{¶¶}	72 (10.4)	§	¶	§	¶	§
Unknown	¶	§	0 (0.0)	§	¶	§
Relationship of Victim to Suspect^{***}						
Other person, known to victim	119 (44.4)	§	¶	§	¶	§
Rival gang member	51 (19.0)	3.2	¶	§	¶	§
Acquaintance/Friend	44 (16.4)	2.8	¶	§	¶	§

Table S15. Number, percentage,* and rate[†] of homicides, by decedent sex, age group, race/ethnicity, method used, location in which injury occurred, and victim-to-suspect relationship - National Violent Death Reporting System, Puerto Rico, 2017

Characteristic	Male		Female		Total	
	No. (%)	Rate	No. (%)	Rate	No. (%)	Rate
Stranger	31 (11.6)	2.0	¶	§	¶	§
Spouse/Intimate partner (current or former)	¶	§	13 (48.1)	§	¶	§
Other relative	13 (4.9)	§	¶	§	¶	§
Parent ^{†††}	¶	§	¶	§	¶	§
Other relationship ^{§§§}	¶	§	¶	§	¶	§
Total	692 (100)	43.8	37 (100)	2.1	729 (100)	21.9

* Percentages might not total 100% due to rounding.

[†] Per 100,000 population.

§ Rates are not reported when number of decedents is <20 or when characteristic response is 'Other' or 'Unknown.'

¶ Number of deaths <10; number is not reported to retain confidentiality.

** Rates by race/ethnicity are not provided because U.S. Census information for Puerto Rico is limited.

^{††} Includes persons of any race.

§ § Other method includes (in descending order): personal weapons (e.g., hands, feet, fists), blunt instrument, hanging/strangulation/suffocation, fall, motor vehicles (e.g., buses, motorcycles, other transport vehicles).

¶¶ Other location includes (in descending order): natural area, bar/nightclub, park/playground/sports or athletic area, parking lot/public garage/public transport, abandoned house/building/warehouse, hotel/motel, office building, farm, hospital or medical facility, jail/prison, supervised residential facility, industrial or construction area, and other unspecified location.

*** Percentage is based on the number of homicide decedents with a known victim-to-suspect relationship (n = 295 [40.5%]; 268 [38.7%] males and 27 [73.0%] females); victim-to-suspect relationship was unknown for 434 decedents.

^{†††} Includes adoptive family members (e.g., adoptive parent), stepfamily members (e.g., stepparent), and foster family members (e.g., foster parent).

§§§ Other relationship includes (in descending order): child, victim was law enforcement officer fatally injured in the line of duty.

Table S16. Number* and percentage† of homicides, by decedent sex and precipitating circumstances - National Violent Death Reporting System, Puerto Rico, 2017

Precipitating Circumstances	Male No. (%)	Female No. (%)	Total No. (%)
Mental Health/Substance Use			
Substance use problem (excludes alcohol)	82 (11.9)	§	§
Current diagnosed mental health problem	18 (2.6)	§	§
Current depressed mood	16 (2.3)	0 (0.0)	16 (2.2)
History of ever being treated for a mental health problem	13 (1.9)	§	§
Current mental health treatment	10 (1.5)	§	§
Alcohol problem	10 (1.5)	0 (0.0)	10 (1.4)
Interpersonal			
Intimate partner violence-related	31 (4.5)	15 (40.5)	46 (6.3)
Jealousy (lovers' triangle)	20 (2.9)	§	§
Life Stressor			
Argument or conflict	98 (14.2)	11 (29.7)	109 (15.0)
Physical fight (2 people, not a brawl)	26 (3.8)	§	§
Crisis during previous or upcoming 2 weeks	§	§	§
Crime and Criminal Activity			
Drug involvement	325 (47.2)	§	§
Gang-related	326 (47.3)	§	§
Precipitated by another crime	80 (11.6)	§	§
Crime in progress¶	§	§	§
Homicide Event			
Drive-by shooting	228 (33.1)	§	§
Walk by assault	80 (11.6)	§	§
Justifiable self defense	§	0 (0.0)	§
Brawl	§	0 (0.0)	§
Total**	689 (99.6)	37 (100)	726 (99.6)

* Includes homicides with one or more precipitating circumstances. Total numbers do not equal the sums of the columns because more than one circumstance could have been present per decedent.

† Denominator includes those homicides with one or more precipitating circumstances. The sums of percentages in columns exceed 100% because more than one circumstance could have been present per decedent.

§ Number of deaths <10; number is not reported to retain confidentiality.

¶ Denominator includes those decedents involved in an incident that was precipitated by another crime.

** Circumstances were unknown for 3 decedents (3 males); total number of homicide decedents = 729 (692 males and 37 females).

Table S17. Number, percentage,* and rate[†] of suicides among persons aged ≥10 years,[§] by decedent sex, age group, race/ethnicity, method used, and location in which injury occurred - National Violent Death Reporting System, Puerto Rico, 2017

Characteristic	Male		Female		Total	
	No. (%)	Rate	No. (%)	Rate	No. (%)	Rate
Age Group (years)						
10-17	¶	**	¶	**	¶	**
18-29	29 (12.4)	10.6	10 (23.3)	**	39 (14.1)	7.1
30-44	41 (17.6)	14.3	¶	**	¶	**
45-64	89 (38.2)	22.1	15 (34.9)	**	104 (37.7)	12.0
≥65	73 (31.3)	25.7	¶	**	¶	**
Unknown	¶	**	0 (0.0)	**	0 (0.0)	**
Race/Ethnicity						
White, non-Hispanic	¶	††	0 (0.0)	††	¶	††
Black, non-Hispanic	¶	††	¶	††	¶	††
American Indian/Alaska Native, non-Hispanic	0 (0.0)	††	0 (0.0)	††	0 (0.0)	††
Asian/Pacific Islander	0 (0.0)	††	0 (0.0)	††	0 (0.0)	††
Hispanic ^{§§}	224 (96.1)	††	40 (93.0)	††	264 (95.7)	††
Other	¶	††	¶	††	¶	††
Unknown	0 (0.0)	††	0 (0.0)	††	0 (0.0)	††
Method						
Hanging/Strangulation/Suffocation	161 (69.1)	11.4	26 (60.5)	1.6	187 (67.8)	6.2
Firearm	32 (13.7)	2.3	¶	**	¶	**
Fall	13 (5.6)	**	¶	**	¶	**
Poisoning	15 (6.4)	**	¶	**	¶	**
Other method¶¶	10 (4.3)	**	¶	**	¶	**
Unknown	¶	**	¶	**	¶	**
Location of Injury						
House/Apartment	189 (81.1)	13.3	34 (79.1)	2.1	223 (80.8)	7.4
Other location***	43 (18.5)	**	¶	**	¶	**
Unknown	¶	**	0 (0.0)	**	¶	**
Total						
Total	233 (100)	16.4	43 (100)	2.7	276 (100)	9.2

Table S17. Number, percentage,* and rate[†] of suicides among persons aged ≥10 years,[§] by decedent sex, age group, race/ethnicity, method used, and location in which injury occurred - National Violent Death Reporting System, Puerto Rico, 2017

Characteristic	Male		Female		Total	
	No. (%)	Rate	No. (%)	Rate	No. (%)	Rate

* Percentages might not total 100% due to rounding.

[†] Per 100,000 population.

[§] Suicide is not reported for decedents aged <10 years, as per standard in the suicide prevention literature. Denominators for the suicide rates represent the total population aged ≥10 years.

[¶] Number of deaths <10; number is not reported to retain confidentiality.

** Rate is not reported when number of decedents is <20 or when characteristic response is 'Other' or 'Unknown.'

^{††} Rates by race/ethnicity are not provided because U.S. Census information for Puerto Rico is limited.

^{§§} Includes persons of any race.

^{¶¶} Other method includes (in descending order): sharp instrument, fire/burns, motor vehicles (e.g., buses, motorcycles, other transport vehicles), other (single method).

^{***} Other location includes (in descending order): motor vehicle, natural area, farm, street/highway, bridge, commercial/retail area, jail/prison, parking lot/public garage/public transport, abandoned house/building/warehouse, hospital or medical facility, hotel/motel, office building, preschool/school/college/school bus, supervised residential facility, synagogue/church/temple, and other unspecified location.

Table S18. Number* and percentage of suicide decedents tested for alcohol and drugs and whose results were positive,† by toxicology - National Violent Death Reporting System, Puerto Rico, 2017

Toxicology variable	Tested No. (%)	Positive No. (%)
Blood alcohol concentration [§]	272 (98.6)	93 (34.2)
Alcohol < 0.08 g/dL		32 (34.4)
Alcohol ≥ 0.08 g/dL		57 (61.3)
Alcohol positive - level unknown		¶
Barbiturates	¶	¶
Benzodiazepines	17 (6.2)	¶
Carbon monoxide	¶	¶
Cocaine	272 (98.6)	48 (17.6)
Marijuana	168 (60.9)	20 (11.9)
Opioids	266 (96.4)	18 (6.8)
Other drugs/substances**	¶	¶

* No. of suicide decedents = 276.

† Percentage is of decedents tested for toxicology.

§ Blood alcohol concentration of ≥ 0.08 g/dL is over the legal limit in all states and is used as the standard for intoxication.

¶ Number of deaths <10; number is not reported to retain confidentiality.

** Other drugs/substances indicated if any results were positive; levels for these drugs/substances are not measured.

Table S19. Number* and percentage[†] of suicides among persons aged ≥10 years,[§] by decedent sex and precipitating circumstances - National Violent Death Reporting System, Puerto Rico, 2017

Precipitating Circumstances	Male No. (%)	Female No. (%)	Total No. (%)
Mental Health/Substance Use			
Current depressed mood	145 (62.5)	30 (69.8)	175 (63.6)
Current diagnosed mental health problem [¶]	87 (37.5)	23 (53.5)	110 (40.0)
Depression/Dysthymia	58 (66.7)	17 (73.9)	75 (68.2)
Schizophrenia	19 (21.8)	**	**
Bipolar disorder	11 (12.6)	**	**
Anxiety disorder	**	**	**
Other	**	**	**
Unknown	**	**	**
History of ever being treated for a mental health problem	39 (16.8)	12 (27.9)	51 (18.5)
Substance use problem (excludes alcohol)	38 (16.4)	**	**
Alcohol problem	38 (16.4)	**	**
Current mental health treatment	33 (14.2)	**	**
Interpersonal			
Intimate partner problem	21 (9.1)	**	**
Other death of family member or friend	14 (6.0)	**	**
Perpetrator of interpersonal violence during past month	**	0 (0.0)	**
Family relationship problem	**	0 (0.0)	**
Life Stressor			
Crisis during previous or upcoming 2 weeks	46 (19.8)	13 (30.2)	59 (21.5)
Physical health problem	49 (21.1)	**	**
Financial problem	20 (8.6)	**	**
Exposure to disaster	13 (5.6)	**	**
Argument or conflict	11 (4.7)	**	**
Job problem	**	**	**
Recent criminal legal problem	**	**	**
Crime and Criminal Activity			
Precipitated by another crime	**	0 (0.0)	**
Suicide Event			
History of suicide attempt(s)	63 (27.2)	23 (53.5)	86 (31.3)
History of suicidal thoughts or plans	60 (25.9)	19 (44.2)	79 (28.7)
Left a suicide note	31 (13.4)	**	**
Suicide Disclosure			

Table S19. Number* and percentage[†] of suicides among persons aged ≥10 years,[§] by decedent sex and precipitating circumstances - National Violent Death Reporting System, Puerto Rico, 2017

Precipitating Circumstances	Male	Female	Total
	No. (%)	No. (%)	No. (%)
Disclosed suicidal intent	51 (22.0)	11 (25.6)	62 (22.5)
Disclosed intent to whom ^{††}			
Other family member	28 (54.9)	**	**
Previous or current intimate partner	11 (21.6)	**	**
Other person ^{§§}	**	0 (0.0)	**
Unknown	**	**	**
Total^{¶¶}	232 (99.6)	43 (100)	275 (99.6)

* Includes suicides with one or more precipitating circumstances. More than one circumstance could have been present per decedent.

[†] Denominator includes those suicides with one or more precipitating circumstances. The sums of percentages in columns exceed 100% because more than one circumstance could have been present per decedent.

[§] Suicide is not reported for decedents aged <10 years, as per standard in the suicide prevention literature.

[¶] Includes decedents with one or more diagnosed current mental health problems; therefore, sums of percentages for the diagnosed conditions exceed 100%. Denominator includes the number of decedents with one or more current diagnosed mental health problems.

** Number of deaths <10; number is not reported to retain confidentiality.

^{††} Denominator includes decedents who disclosed intent.

^{§§} Other person includes (in descending order): other person known to the decedent, health care worker, neighbor.

^{¶¶} Circumstances were unknown for 1 decedent (1 male); total number of suicide decedents = 276 (233 males and 43 females).