

SUBSTANCE-RELATED DEATHS 2016

WASHOE COUNTY

Data from the Office of the Regional Washoe County Medical Examiner



Join Together Northern Nevada (JTNN) is a non-profit, community-based coalition founded in 1998 to support and strengthen citizen, agency, business, and government collaborations in Washoe County. JTNN works to reduce substance abuse-related issues in the community through engaging concerned citizens and organizations to focus on specific problems, build consensus, and take action. JTNN acts as a clearinghouse for information, community assessment, planning, grant funding and administration, with a mission to “*build partnerships to create healthy, drug free communities.*” JTNN accomplishes its mission through the use of a community needs assessment, planning, community action, prevention program funding, and initiatives aimed at preventing the use of particular drugs.

JTNN’s values:

- We are accountable to the communities we serve.
- We believe our prominent role is to advocate for policy changes to address alcohol and drug related problems and solutions.
- We serve as the community leader for substance abuse awareness, education, advocacy, and information.
- We embrace a strategic, balanced approach to alcohol and substance abuse problems that encompass both prevention and treatment.

This report was prepared from data provided by the Washoe County Medical Examiner’s Office.

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2016 Substance-related Deaths in Washoe County

The Washoe County Regional Medical Examiner's Office (WCRMEO) primarily serves Washoe County, however provides services to all Nevada counties except for Lincoln, Clark and White Pine Counties. Additionally, the MCRMEO provides services to five California counties through interlocal agreements.

Certain categories of sudden death, by law, must be reported to and investigated by the office. These categories of deaths include sudden or unexpected deaths, traumatic deaths, and suspicious deaths. All suspicious and many apparent natural death scenes are evaluated by trained Medicolegal Death Investigators employed by the WCRMEO. Among the deaths reported to and falling within the office's jurisdiction, approximately 25% require autopsy or other medical examination. Board-certified forensic pathologists (medical doctors specializing in forensic pathology) conduct these autopsy and medical examinations.¹

Responsibilities of the office include:

- Determining the cause and manner of death for jurisdictional cases
- Electronic certification of death certificates in all cases of unnatural death and in many cases of natural death
- Conducting investigations of death scenes
- Identifying, collecting and processing evidence in order to ensure scientific integrity and usefulness
- Recognizing unsuspected homicidal violence
- Recognizing and reporting communicable and dangerous diseases, poisonings, and consumer product safety concerns
- Positively identifying the dead
- Notifying the decedent's next of kin and providing proper assistance to grieving families
- Ensuring integrity of the personal property of decedents
- Providing expert legal testimony in criminal and civil matters
- Preparing for and responding to mass disasters
- Assisting in providing for burial of indigent citizens in accordance with law

Washoe County sits along the north-western border of Nevada and the urban areas of Reno and Sparks account for the majority of population, while the northern section of the county extending towards the Oregon and Idaho boundaries are rural in nature. The total estimated population for Washoe County in 2016 was 444,823 persons.²

There were 4,023 deaths during 2016 among Washoe County residents.³ The Washoe County Regional Medical Examiner's office reviewed 1,141 deaths accounting for approximately 28% of all deaths reported by Washoe County during 2016. Among the 1,141 deaths reviewed by the WCRMEO, 298 (26%) were found to have positive toxicology screens.

¹ Washoe County Regional Medical Examiner's Office. (2017). 2016 Annual Report. Reno, NV.

² Hardcastle, J. (2016). Nevada County Age, Sex, Race and Hispanic Origin Estimates and Projections 2000-2035. Carson City, NV.

³ Nevada Department of Health and Human Services, Division of Public and Behavioral Health, Office of Public Health and Informatics. Data provided upon request. Carson City, NV.

WCRMEO provided de-identified data to Join Together Northern Nevada for those deaths that occurred during 2016 and that were found to have positive toxicological findings for this report. Analysis included only those deaths with positive toxicology results that had a least one of the following criteria:

1. Deaths where the cause of death was determined to be due to the substances identified through the toxicology screen
2. Deaths due to suicide with a positive toxicology screen
3. Deaths due to accidents, such as unintended poisonings, drowning, and motor vehicle accidents, with a positive toxicology screen

Definitions of manner of death

- Natural: unintentional death due to natural disease and/or the ageing process
- Accident: unintentional death due to an unplanned and unforeseeable sequence of events resulting in injury or poisoning. These are deaths which were unintentional and therefore classified as an accident.
- Suicide: death due to an injury or poisoning as a result of intentional or self-inflicted act with the intention of doing harm to one's self or cause death of one's-self.
- Homicide: death due to intentional injury or poisoning as a result of another person.
- Undetermined: classification when death cannot be attributed to one of the other categories. Lack of information to classify cause of death as intentional or unintentional.

Definitions of causes of death

- Alcohol: includes acute causes such as alcohol poisoning and chronic conditions such as cirrhosis of the liver due to long-term alcohol use.
- Club Drug: includes ecstasy, ketamine, and kratom.
- Drowning: includes drowning in any body of water.
- Firearm: includes deaths involving a firearm such as suicide, accident, or homicide.
- Hanging: includes all form of hanging, typically result of intentional self-harm or suicide.
- Illicit Drug: includes illegal drugs such as heroin, methamphetamine, and cocaine.
- Motor Vehicle: includes drivers, passengers, and pedestrian deaths involving a motorized vehicle.
- Other Medication: includes over-the-counter medications and other prescription medications such as antidepressants, anti-inflammatories, antipsychotics, antidiarrheal, muscle relaxants, anticonvulsants, antihistamines, antihypertensive, cough suppressants, calcium blockers, and hypertension medications.
- Opioid: includes drugs such as fentanyl, or toxicology findings that did not detail the type of opioid and list "opioids" as substance that caused death. This category does not include heroin which was classified as an illicit drug.
- Opioid Replacement: includes substances used to treat opioid addiction such as buprenorphine, methadone, and norbuprenorphine.
- RX opioid: includes prescription opioids, however does not make the determination whether the drug was prescribed to the person or obtained illegally.

County of Residence

The 229 substance –related deaths that occurred in Washoe County were not all residents, the following table provides the county of residence for the 229 cases.

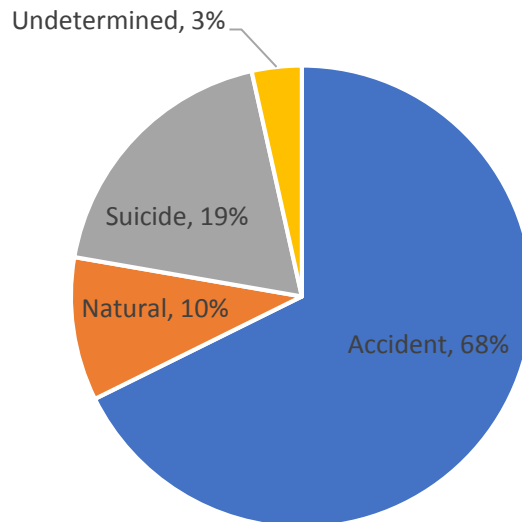
County of Residence	#	%
Carson City	2	1%
Churchill	1	0%
Contra Costa, CA	1	0%
Douglas	3	1%
El Dorado, CA	1	0%
Humboldt	1	0%
Lander	1	0%
Lassen, CA	1	0%
Los Angeles, CA	1	0%
Lyon	1	0%
Merced, CA	1	0%
Nevada, CA	1	0%
Pershing	1	0%
Pierce, WA	1	0%
Placer, CA	1	0%
San Francisco, CA	1	0%
San Joaquin, CA	1	0%
Santa Clara, CA	3	1%
Santa Cruz, CA	3	1%
Sonoma, CA	1	0%
Taos, NM	1	0%
Tehama, CA	1	0%
Washoe	190	83%
Unknown	10	4%
Total	229	100%

Manner of Death

The majority of substance-related deaths were primarily due to accidents (68%), followed by suicides (19%), natural causes (10%) and deaths of undetermined intent (3%).

Manner	#	%
Accident	155	68%
Natural	23	10%
Suicide	43	19%
Undetermined	8	3%
Total	229	100%

Percent of Substance-related Deaths by Manner, Washoe County, 2016



All Substance-related Deaths

There were 229 substance-related deaths during 2016 in Washoe County.

Cause of Death	#	%
Alcohol	28	12%
Alcohol/Illicit Drug	4	2%
Alcohol/Illicit Drug/Other Medication	1	0%
Alcohol/Opioid Replacement	1	0%
Alcohol/Other Medication	4	2%
Alcohol/Rx Opioid/Illicit Drug	1	0%
Alcohol/Rx Opioid/Other Medication	2	1%
Asphyxia	2	1%
Benzodiazepine/Illicit Drug	1	0%
Benzodiazepine/Illicit Drug/Other Medication	1	0%
Benzodiazepine/Illicit Drug/Rx Opioid/Other Medication	1	0%
Benzodiazepine/Opioid	2	1%
Benzodiazepine/Opioid/Club Drug	1	0%
Benzodiazepine/Other Medication	3	1%
Benzodiazepine/Rx Opioid	6	3%
Benzodiazepine/Rx Opioid/Illicit Drug	1	0%
Benzodiazepine/Rx Opioid/Illicit Drug/Other Medication	1	0%
Benzodiazepine/Rx Opioid/Other Medication	7	3%
Blunt Force	26	11%
Drowning	6	3%
Firearm	21	9%
Hanging	4	2%
Hypothermia	4	2%
Illicit Drug	34	15%
Illicit Drug/Inhalant	1	0%
Illicit Drug/Other Medication	3	1%
Inhalant	5	2%
Motor Vehicle	16	7%
Opioid	3	1%
Opioid Replacement	1	0%
Opioid Replacement/Benzodiazepine	1	0%
Opioid Replacement/Benzodiazepine/Club Drug	1	0%
Opioid Replacement/Benzodiazepine/Rx Opioid	1	0%
Opioid Replacement/Heroin	1	0%
Opioid Replacement/Heroin/Other Illicit Drug	1	0%
Opioid Replacement/Heroin/Other Opioid	1	0%
Opioid Replacement/Illicit Drug	2	1%
Opioid Replacement/Other Medication	2	1%
Opioid Replacement/Rx Opioid	2	1%
Other Medication	8	3%
Rx Opioid	4	2%
Rx Opioid/Illicit Drug	3	1%

Rx Opioid/Illicit Drug/Other Medication	4	2%
Rx Opioid/Illicit Drug/Other Opioid	2	1%
Rx Opioid/Opioid/Other Medication	1	0%
Rx Opioid/Other Medication	3	1%
Rx Opioid/Other Opioid/Benzodiazepine	1	0%
Gender		
Female	75	33%
Male	154	67%
Age Group		
0-19 years	11	5%
20-29 years	36	16%
30-39 years	38	17%
40-49 years	39	17%
50-59 years	63	28%
60-69 years	30	13%
70+ years	12	5%
Homeless		
No	221	97%
Yes	8	3%
Veteran Status		
No	222	97%
Yes	11	5%
Marital Status		
Divorced	31	14%
Domestic Partnership	1	0%
Married	39	17%
Never Married	21	9%
Single	58	25%
Unknown	72	31%
Widowed	7	3%
Location of Death		
Bar, Nightclub	1	0%
Casino	1	0%
Highway/Freeway	2	1%
Hospital	58	25%
Hotel/ Motel	11	5%
Natural Area	9	4%
Other	3	1%
Other Commercial Establishment	2	1%
Parking Lot/ Public Parking Garage	3	1%
Residence	117	51%
Sports or Athletic Area	1	0%
Street/Road, Sidewalk, Alley	17	7%
Waterway	4	2%
Total	229	100%

Detailed Cause of Death

Among the 229 substance-related deaths, the majority (n=150) were caused by a substance or a combination of substances. The other 79 deaths were due to blunt traumatic force, asphyxia, drowning, firearms, hanging, hypothermia, or motor vehicle accidents, however those cases had substances in their system at the time of death. The following table provides the detailed cause of death and for those deaths due to substances, the combination of substances that caused death.

Detailed Cause of Death	Manner				Total
	Accident	Natural	Suicide	Undetermined	
Alcohol	6	22	0	0	28
Alcohol/Antihistamine	1	0	0	0	1
Alcohol/Benzodiazepine	0	0	1	0	1
Alcohol/Benzodiazepine/Antidepressant/ Antihistamine	0	0	1	0	1
Alcohol/Benzodiazepine/Rx opioid/Tylenol	0	0	1	0	1
Alcohol/Cocaine/Heroin	1	0	0	0	1
Alcohol/Heroin	2	0	0	0	2
Alcohol/Heroin/Rx opioid	0	0	0	1	1
Alcohol/Methamphetamine	1	0	0	0	1
Alcohol/Methamphetamine/Stimulant/Other medication	1	0	0	0	1
Alcohol/Opioid replacement	1	0	0	0	1
Alcohol/Rx opioid/Anticonvulsant	0	0	1	0	1
Alcohol/Rx opioid/Tylenol	0	0	1	0	1
Anticonvulsant/Sedative	1	0	0	0	1
Antidepressant/Antihistamine	0	0	1	0	1
Antihistamine/Tylenol	0	0	0	1	1
Asphyxia	0	0	2	0	2
Benzodiazepine/Antidepressant	1	0	0	0	1
Benzodiazepine/Antidepressant/Antihistamine/ Antipsychotic	0	0	1	0	1
Benzodiazepine/Antidepressant/Antipsychotic	0	0	1	0	1
Benzodiazepine/Heroin/Methamphetamine/Sedative	1	0	0	0	1
Benzodiazepine/Methamphetamine/Opioid/Rx opioid /Anticonvulsant/Antidepressant	1	0	0	0	1
Benzodiazepine/Opioid	1	0	0	1	2
Benzodiazepine/Opioid/Club drug	1	0	0	0	1
Benzodiazepine/Rx opioid	5	0	0	1	6
Benzodiazepine/Rx opioid /Anticonvulsant/Antidepressant	1	0	0	0	1
Benzodiazepine/Rx opioid /Anticonvulsant/Antidepressant/Sedative	0	0	1	0	1
Benzodiazepine/Rx opioid /Anticonvulsant/Antidepressant/Sedative/Other me	0	0	1	0	1
Benzodiazepine/Rx opioid /Antidepressant/Antihistamine/Antipsychotic	1	0	0	0	1
Benzodiazepine/Rx opioid/Methamphetamine	1	0	0	0	1
Benzodiazepine/Rx opioid /Methamphetamine/Opioid/Stimulant	1	0	0	0	1
Benzodiazepine/Rx opioid/Muscle relaxant	1	0	0	0	1

Detailed Cause of Death	Manner				Total
	Accident	Natural	Suicide	Undetermined	
Benzodiazepine/Rx opioid/Muscle relaxant/Antidepressant	1	0	0	0	1
Benzodiazepine/Rx opioid/Opioid	1	0	0	0	1
Benzodiazepine/Rx opioid/Sedative	1	0	0	0	1
Blunt Force	25	0	1	0	26
Cocaine/Heroin	1	0	0	0	1
Cocaine/Methamphetamine/Inhalant	1	0	0	0	1
Drowning	6	0	0	0	6
Firearm	0	0	19	2	21
Hanging	0	0	4	0	4
Heroin/Benzodiazepine	1	0	0	0	1
Heroin/Methamphetamine	29	1	0	0	30
Heroin/Methamphetamine/Rx opioid/Stimulant	1	0	0	0	1
Hypothermia	3	0	1	0	4
Inhalant	4	0	1	0	5
Methamphetamine	3	0	0	0	3
Methamphetamine/Antidepressant/Other medication	1	0	0	0	1
Methamphetamine/Other medication	1	0	0	0	1
Methamphetamine/Stimulant	1	0	0	0	1
Motor Vehicle	16	0	0	0	16
Opioid	3	0	0	0	3
Opioid replacement	1	0	0	0	1
Opioid replacement /Antihistamine/Antidepressant/Anticonvulsant	1	0	0	0	1
Opioid replacement/Benzodiazepine	1	0	0	0	1
Opioid replacement/Benzodiazepine/Club drug	1	0	0	0	1
Opioid replacement/Benzodiazepine/Rx opioid	1	0	0	0	1
Opioid replacement/Heroin	1	0	0	0	1
Opioid replacement/Heroin/Cocaine	1	0	0	0	1
Opioid replacement/Heroin/Opioid	1	0	0	0	1
Opioid replacement/Methamphetamine	2	0	0	0	2
Opioid replacement/Rx opioid	2	0	0	0	2
Opioid replacement/Rx opioid/Benzodiazepine/Antidepressant/Antihistamine	1	0	0	0	1
Other medication	1	0	3	0	4
Rx opioid	4	0	0	0	4
Rx opioid/Anticonvulsant/Antihistamine	1	0	0	0	1
Rx opioid/Antihistamine	1	0	0	0	1
Rx opioid/Methamphetamine	2	0	1	0	3
Rx opioid/Methamphetamine/Anticonvulsant	1	0	0	0	1
Rx opioid/Methamphetamine/Antidepressant/Antihistamine/Antipsychotic	0	0	0	1	1
Rx opioid /Methamphetamine/Antidepressant/Antipsychotic /Sedative	1	0	0	0	1
Rx opioid/Methamphetamine/Opioid	0	0	0	1	1
Rx opioid/Opioid/Antidepressant	1	0	0	0	1

Detailed Cause of Death	Manner				Total
	Accident	Natural	Suicide	Undetermined	
Rx opioid/Opioid/Heroin	1	0	0	0	1
Rx opioid/Stimulant/Anticonvulsant	0	0	1	0	1
Stimulant/Other medication	1	0	0	0	1
Total	155	23	43	8	229

Accident Deaths

There were 155 substance-related deaths due to accidents during 2016 in Washoe County.

Cause of Death	#	%
Alcohol	6	4%
Alcohol/Illicit Drug	4	3%
Alcohol/Illicit Drug/Other Medication	1	1%
Alcohol/Opioid Replacement	1	1%
Alcohol/Other Medication	1	1%
Benzodiazepine/Illicit Drug	1	1%
Benzodiazepine/Illicit Drug/Other Medication	1	1%
Benzodiazepine/Illicit Drug/Rx Opioid/Other Medication	1	1%
Benzodiazepine/Opioid	1	1%
Benzodiazepine/Opioid/Club Drug	1	1%
Benzodiazepine/Other Medication	1	1%
Benzodiazepine/Rx Opioid	5	3%
Benzodiazepine/Rx Opioid/Illicit Drug	1	1%
Benzodiazepine/Rx Opioid/Illicit Drug/Other Medication	1	1%
Benzodiazepine/Rx Opioid/Other Medication	5	3%
Blunt Force	25	16%
Drowning	6	4%
Hypothermia	3	2%
Illicit Drug	33	21%
Illicit Drug/Inhalant	1	1%
Illicit Drug/Other Medication	3	2%
Inhalant	4	3%
Motor Vehicle	16	10%
Opioid	3	2%
Opioid Replacement	1	1%
Opioid Replacement/Benzodiazepine	1	1%
Opioid Replacement/Benzodiazepine/Club Drug	1	1%
Opioid Replacement/Benzodiazepine/Rx Opioid	1	1%
Opioid Replacement/Heroin	1	1%
Opioid Replacement/Heroin/Other Illicit Drug	1	1%
Opioid Replacement/Heroin/Other Opioid	1	1%
Opioid Replacement/Illicit Drug	2	1%
Opioid Replacement/Other Medication	2	1%
Opioid Replacement/Rx Opioid	2	1%
Other Medication	3	2%
Rx Opioid	4	3%
Rx Opioid/Illicit Drug	2	1%
Rx Opioid/Illicit Drug/Other Medication	3	2%
Rx Opioid/Illicit Drug/Other Opioid	1	1%
Rx Opioid/Opioid/Other Medication	1	1%
Rx Opioid/Other Medication	2	1%
Rx Opioid/Other Opioid/Benzodiazepine	1	1%

Gender			
	Female	50	32%
	Male	105	68%
Age Group			
	0-19 years	9	6%
	20-29 years	29	19%
	30-39 years	26	17%
	40-49 years	23	15%
	50-59 years	46	30%
	60-69 years	19	12%
	70+ years	3	2%
Homeless			
	No	147	95%
	Yes	8	5%
Veteran Status			
	No	150	97%
	Yes	5	3%
Marital Status			
	Divorced	16	10%
	Domestic Partnership	0	0%
	Married	24	15%
	Never Married	14	9%
	Single	46	30%
	Unknown	50	32%
	Widowed	5	3%
Location of Death			
	Bar, Nightclub	1	1%
	Highway/Freeway	2	1%
	Hospital	46	30%
	Hotel/ Motel	6	4%
	Natural Area	6	4%
	Other	0	0%
	Other Commercial Establishment	1	1%
	Parking Lot/ Public Parking Garage	3	2%
	Residence	71	46%
	Sports or Athletic Area	1	1%
	Street/Road, Sidewalk, Alley	15	10%
	Waterway	3	2%
Total		155	100%

Natural Deaths

There were 23 substance-related deaths due to natural causes during 2016 in Washoe County.

Cause of Death	#	%
Alcohol	22	96%
Illicit Drug	1	4%
Gender		
Female	6	26%
Male	17	74%
Age Group		
0-19 years	0	0%
20-29 years	0	0%
30-39 years	5	22%
40-49 years	3	13%
50-59 years	10	43%
60-69 years	5	22%
70+ years	0	0%
Homeless		
No	23	100%
Yes	0	0%
Veteran Status		
No	20	87%
Yes	3	13%
Marital Status		
Divorced	5	22%
Domestic Partnership	0	0%
Married	3	13%
Never Married	4	17%
Single	0	0%
Unknown	11	48%
Widowed	0	0%
Location of Death		
Hotel/ Motel	2	9%
Other	1	4%
Other Commercial Establishment	1	4%
Residence	18	78%
Street/Road, Sidewalk, Alley	1	4%
Total	23	100%

Suicide Deaths

There were 43 substance-related deaths due to suicides during 2016 in Washoe County.

Cause of Death	#	%
Alcohol/Other Medication	3	7%
Alcohol/Rx Opioid/Other Medication	2	5%
Asphyxia	2	5%
Benzodiazepine/Other Medication	2	5%
Benzodiazepine/Rx Opioid/Other Medication	2	5%
Blunt Force	1	2%
Firearm	19	44%
Hanging	4	9%
Hypothermia	1	2%
Inhalant	1	2%
Motor Vehicle	0	0%
Other Medication	4	9%
Rx Opioid/Illicit Drug	1	2%
Rx Opioid/Other Medication	1	2%
Gender		
Female	12	28%
Male	31	72%
Age Group		
0-19 years	2	5%
20-29 years	5	12%
30-39 years	6	14%
40-49 years	11	26%
50-59 years	7	16%
60-69 years	5	12%
70+ years	7	16%
Homeless		
No	43	100%
Yes	0	0%
Veteran Status		
No	40	93%
Yes	3	7%
Marital Status		
Divorced	8	19%
Domestic Partnership	1	2%
Married	11	26%
Never Married	2	5%
Single	11	26%
Unknown	9	21%
Widowed	1	2%
Location of Death		
Casino	1	2%
Hospital	10	23%

Hotel/ Motel	3	7%
Natural Area	3	7%
Other	2	5%
Residence	22	51%
Street/Road, Sidewalk, Alley	1	2%
Waterway	1	2%
Total	43	100%

Undetermined Deaths

There were eight substance-related deaths for which the intent was undetermined during 2016 in Washoe County.

Cause of Death	#	%
Alcohol/Rx Opioid/Illicit Drug	1	13%
Benzodiazepine/Opioid	1	13%
Benzodiazepine/Rx Opioid	1	13%
Firearm	2	25%
Other Medication	1	13%
Rx Opioid/Illicit Drug	0	0%
Rx Opioid/Illicit Drug/Other Medication	1	13%
Rx Opioid/Illicit Drug/Other Opioid	1	13%
Gender		
Female	7	88%
Male	1	13%
Age Group		
0-19 years	0	0%
20-29 years	2	25%
30-39 years	1	13%
40-49 years	2	25%
50-59 years	0	0%
60-69 years	1	13%
70+ years	2	25%
Homeless		
No	8	100%
Yes	0	0%
Veteran Status		
No	8	100%
Yes	0	0%
Marital Status		
Divorced	2	25%
Domestic Partnership	0	0%
Married	1	13%
Never Married	1	13%
Single	1	13%
Unknown	2	25%
Widowed	1	13%
Location of Death		
Hospital	2	25%
Residence	6	75%
Total	8	100%

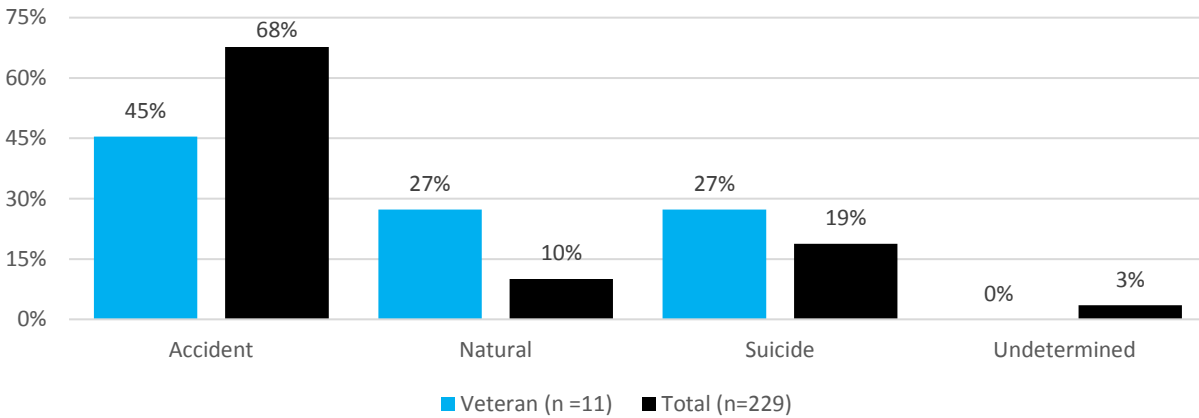
Special Populations

Veteran Status

There were 11 substance-related deaths among veterans, among these, the majority were accidental deaths (n=5).

Manner	Veteran Status		
	Yes	No	Total
Accident	5	150	155
Natural	3	20	23
Suicide	3	40	43
Undetermined	0	8	8
Total	11	218	229

Manner of Death, Veterans Compared to All Substance-related Deaths, Washoe County, 2016



Cause of Death	#	%
Alcohol	3	27%
Alcohol/Illicit Drug/Other Medication	1	9%
Drowning	2	18%
Firearm	1	9%
Hanging	1	9%
Hypothermia	1	9%
Other Medication	1	9%
Rx opioid/Other Medication	1	9%
Total	11	100%

Homeless

There were eight substance-related deaths among people who were homeless, all of which were accidental deaths.

Manner	Homeless		
	Yes	No	Total
Accident	8	147	155
Natural	0	23	23
Suicide	0	43	43
Undetermined	0	8	8
Total	8	221	229

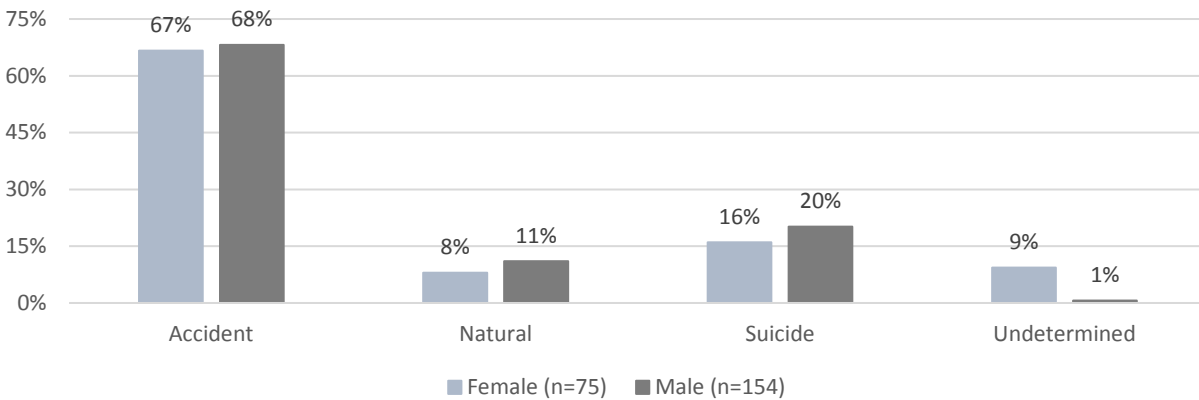
Cause of Death	#	%
Alcohol/Illicit Drug	1	13%
Blunt Force	2	25%
Drowning	1	13%
Illicit Drug	3	38%
Rx opioid	1	13%
Total	8	100%

Substance-related Deaths by Gender

Among the 229 substance-related deaths, 75 were female and 154 were male. Females were more likely die of undetermined intent (9%) compared to males (1%), while males were more likely to die due to suicide (20%) compared to females (16%).

Manner	Gender		
	Female	Male	Total
Accident	50	105	155
Natural	6	17	23
Suicide	12	31	43
Undetermined	7	1	8
Total	75	154	229

Manner of Death by Gender, Washoe County, 2016



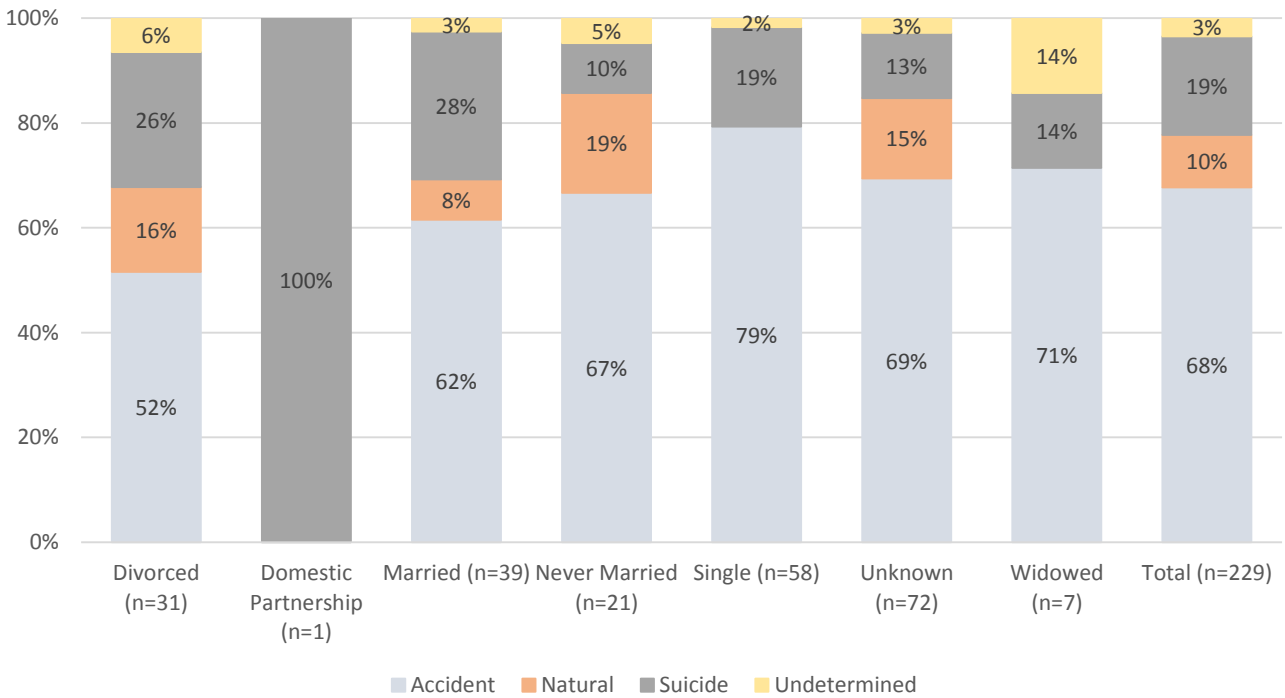
Cause of Death	Gender		
	Female	Male	Total
Alcohol	7	21	28
Alcohol/Illicit Drug	0	4	4
Alcohol/Illicit Drug/Other Medication	0	1	1
Alcohol/Opioid replacement	0	1	1
Alcohol/Other Medication	4	0	4
Alcohol/Rx opioid/Illicit Drug	0	1	1
Alcohol/Rx opioid/Other Medication	1	1	2
Asphyxia	0	2	2
Benzodiazepine/Illicit Drug	0	1	1
Benzodiazepine/Illicit Drug/Other Medication	0	1	1
Benzodiazepine/Illicit Drug/Rx opioid/Other	1	0	1
Benzodiazepine/Opioid	1	1	2
Benzodiazepine/Opioid/Club Drug	0	1	1

Cause of Death	Gender		
	Female	Male	Total
Benzodiazepine/Other Medication	2	1	3
Benzodiazepine/Rx opioid	4	2	6
Benzodiazepine/Rx opioid/Illicit Drug	0	1	1
Benzodiazepine/Rx opioid/Illicit Drug/Other	1	0	1
Benzodiazepine/Rx opioid/Other Medication	7	0	7
Blunt Force	6	20	26
Drowning	1	5	6
Firearm	3	18	21
Hanging	1	3	4
Hypothermia	1	3	4
Illicit Drug	9	25	34
Illicit Drug/Inhalant	0	1	1
Illicit Drug/Other Medication	1	2	3
Inhalant	1	4	5
Motor Vehicle	4	12	16
Opioid	0	3	3
Opioid replacement	0	1	1
Opioid replacement/Benzodiazepine	1	0	1
Opioid replacement/Benzodiazepine/Club Drug	0	1	1
Opioid replacement/Benzodiazepine/Rx opioid	1	0	1
Opioid replacement/Heroin	1	0	1
Opioid replacement/Heroin/Other Illicit Drug	1	0	1
Opioid replacement/Heroin/Other Opioid	0	1	1
Opioid replacement/Illicit Drug	1	1	2
Opioid replacement/Other Medication	2	0	2
Opioid replacement/Rx opioid	0	2	2
Other Medication	3	5	8
Rx opioid	2	2	4
Rx opioid/Illicit Drug	1	2	3
Rx opioid/Illicit Drug/Other Medication	2	2	4
Rx opioid/Illicit Drug/Other opioid	1	1	2
Rx opioid/Opioid/Other Medication	1	0	1
Rx opioid/Other Medication	2	1	3
Rx opioid/Other opioid/Benzodiazepine	1	0	1
Total	75	154	229

Substance-related Deaths by Marital Status

Manner	Marital Status							Total
	Divorced	Domestic Partnership	Married	Never Married	Single	Unknown	Widowed	
Accident	16	0	24	14	46	50	5	155
Natural	5	0	3	4	0	11	0	23
Suicide	8	1	11	2	11	9	1	43
Undetermined	2	0	1	1	1	2	1	8
Total	31	1	39	21	58	72	7	229

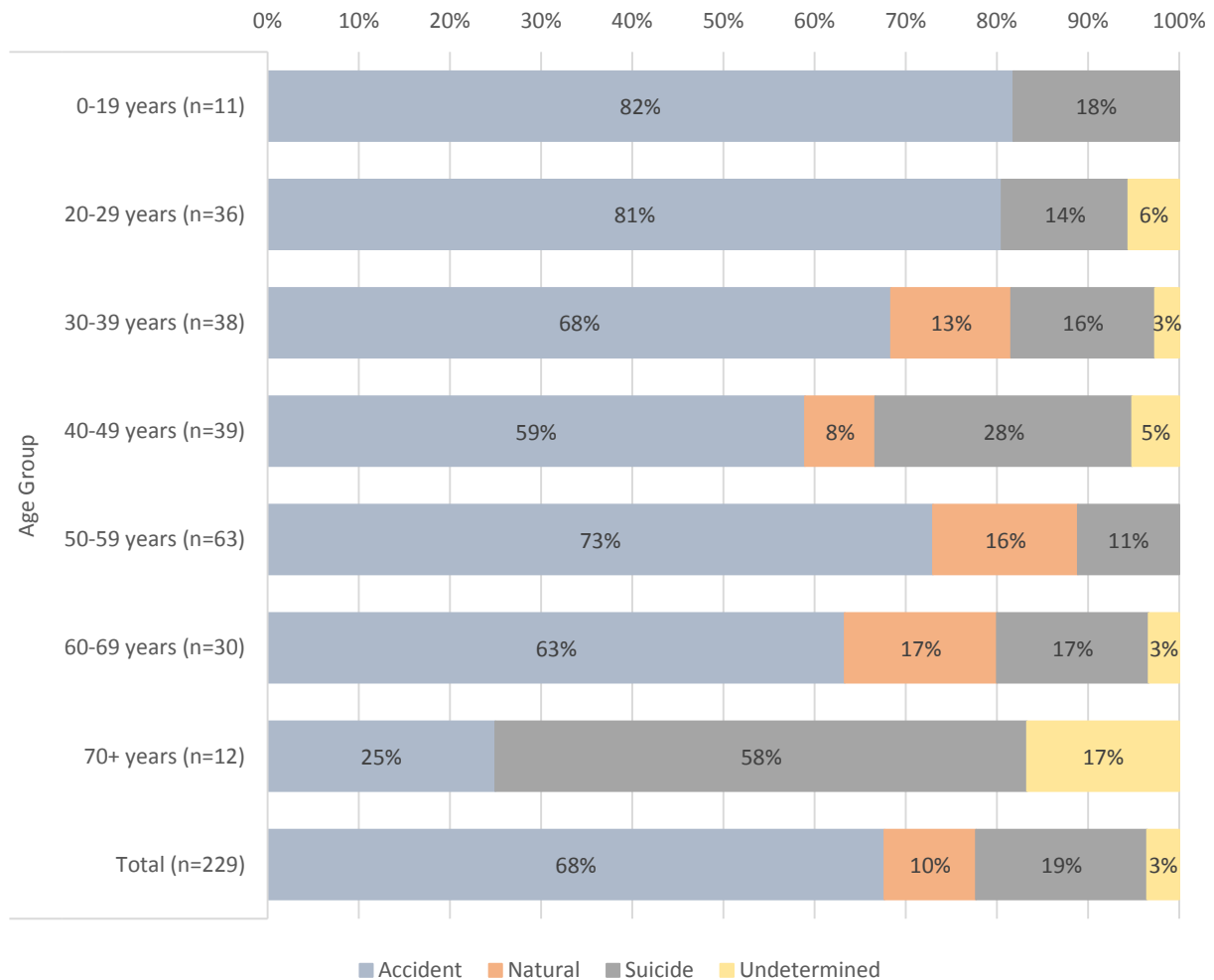
Manner of Death by Marital Status, Washoe County, 2016



Substance-related Deaths by Age Group

Manner	Age Group							Total
	0-19 years	20-29 years	30-39 years	40-49 years	50-59 years	60-69 years	70+ years	
Accident	9	29	26	23	46	19	3	155
Natural	0	0	5	3	10	5	0	23
Suicide	2	5	6	11	7	5	7	43
Undetermined	0	2	1	2	0	1	2	8
Total	11	36	38	39	63	30	12	229

Manner of Death by Age Group, Washoe County, 2016



Substances Found to Have Caused Death

Although a substance was identified through the toxicology screen, the death may not have been directly attributed to that substance. The following table shows the substances identified through a toxicology screen and the number and percent of times the substance was listed as having caused death. Each death may be represented more than once, as a case may have had multiple substances in their system at time of death.

Substance	Found in Toxicology Screen	Substance Caused Death	% Substance Caused Death
inhalant	1	1	100%
heroin	26	23	88%
carbon monoxide	6	5	83%
club drug	3	2	67%
methamphetamine	66	42	64%
sedative	11	7	64%
antihistamine	19	11	58%
anticonvulsant	22	11	50%
antidepressant	53	21	40%
benzodiazepine	109	43	39%
opioid replacement	39	15	38%
other medication	26	10	38%
Rx opioid	182	68	37%
antipsychotic	15	5	33%
Tylenol	12	4	33%
cocaine	16	4	25%
muscle relaxant	9	2	22%
opioid	51	11	22%
stimulant	76	6	8%
alcohol	184	14	8%
acetone	7	0	0%
antianxiety	2	0	0%
caffeine	37	0	0%
cocaethylene	4	0	0%
opioid blocker	13	0	0%
THC	143	0	0%
tobacco	15	0	0%