

# *Nevada Opioid Surveillance*

2010 - 2015



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Division of Public and Behavioral Health  
Department of Health and Human Services*

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## Emergency Department Encounters and Inpatient Visits

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Data Source: Division of Public and Behavioral Health, Hospital Inpatient and Emergency Department Billing Data.

Data Provided by: Center for Health Information Analysis.

*In October 2015, ICD-10-CM codes were implemented. Previous to October 2015, ICD-9-CM codes were used for medical billing. Therefore, 2015 data consists of two distinct coding schemes, ICD-9-CM and ICD-10-CM respectively. Due to this change in coding schemes, hospital billing data from October 2015 forward may not be directly comparable to previous data.*

*In 2015, quarter 4, the ICD-10-CM codes were implemented. This includes codes for long term current use of an opiate and for opiate in the blood, neither of which existed in the ICD-9-CM codes. This may account for the increase in 2015.*

**Prior to December 2016, OPHIE commonly used only one parameter for Nevada Residents, Patient State (Patient State = NV). OPHIE recently added a new layer to the parameter of including only Nevada zip codes (Patient zip code 89%) therefore the counts may be slightly smaller from previous reports.**

The following ICD Codes are included in these data:

### Opioid Dependence

304.0 Opioid type dependence ICD-9-CM

F11.2 Opioid dependence ICD-10-CM

### Opiate and Other Dependence

304.7 Combinations of opioid type drug with any other drug dependence ICD-9-CM

F19.2 Other psychoactive substance dependence ICD-10-CM

### Nondependent Opioid Abuse

305.5 Nondependent opioid abuse ICD-9-CM

F11.1 Opioid abuse ICD-10-CM

### Opiate Poisoning

965.0 Poisoning by opiates and related narcotics ICD-9-CM

T40.0 Poisoning by, adverse effect of and underdosing of opium ICD-10-CM

T40.1 Poisoning by and adverse effect of heroin ICD-10-CM

T40.2 Poisoning by, adverse effect of and underdosing of other opioids ICD-10-CM

T40.3 Poisoning by, adverse effect of and underdosing of methadone ICD-10-CM

T40.4 Poisoning by, adverse effect of and underdosing of other synthetic narcotics ICD-10-CM

T40.6 Poisoning by, adverse effect of and underdosing of other and unspecified narcotics ICD-10-CM

### External Poisoning

E850.0-E850.2 Accidental poisoning by heroin, methadone, and other opiates ICD-9-CM

### Other Opioid Related Codes

F11.9 Opioid use, unspecified ICD-10-CM

R78.1 Finding of opiate drug in blood ICD-10-CM

Z79.891 Long Term Current Use of Opiate ICD-10-CM

## Deaths

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\*2015 data are preliminary and are subject to changes.

Data Source: Division of Public and Behavioral Health, Electronic Death Registry System.

The following axis (causes of death) ICD-10 Codes are included in these data:

T40.0 Opium~

T40.1 Heroin

T40.2 Natural and semi-synthetic opioids

T40.3 Methadone

T40.4 Synthetic opioids

T40.6 Other and unspecified opioids

~Opium was included in analysis, since there have been 0 deaths related to opium it is not included in the tables and charts.

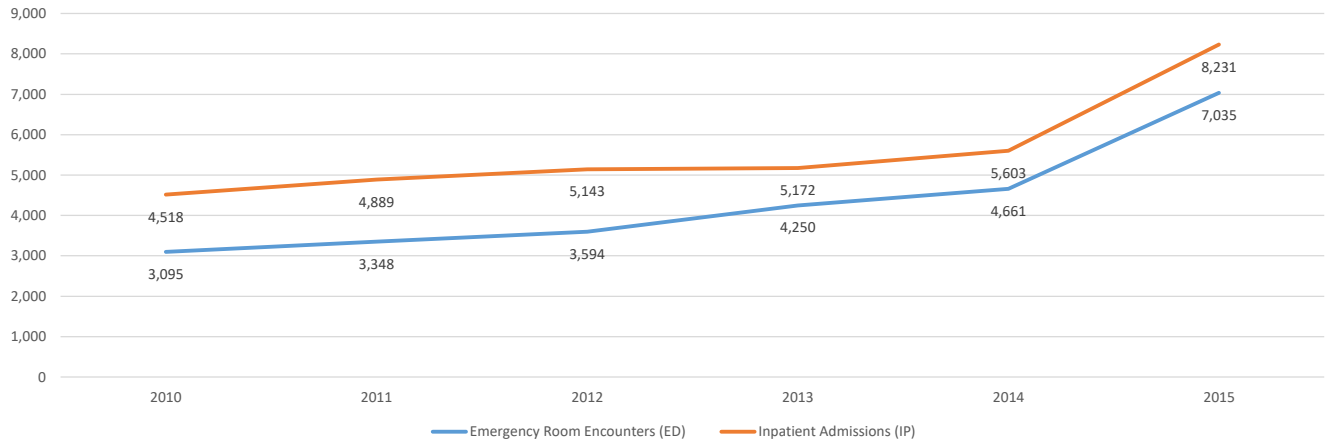
Opioid-Related Hospitalization Data, Nevada Residents, 2010-2015

Year	Emergency Room Encounters (ED)	Emergency Room Crude Rates	Percent Change	Inpatient Admissions (IP)	Inpatient Crude Rates	Percent Change
2010	3,095	114.4		4,518	167.0	
2011	3,348	123.0	8%	4,889	179.6	8%
2012	3,594	130.7	6%	5,143	187.0	4%
2013	4,250	151.7	16%	5,172	184.7	-1%
2014	4,661	163.9	8%	5,603	197.1	7%
2015	7,035	244.8	49%	8,231	286.4	45%
Percent Change 2010-2015			114%			72%

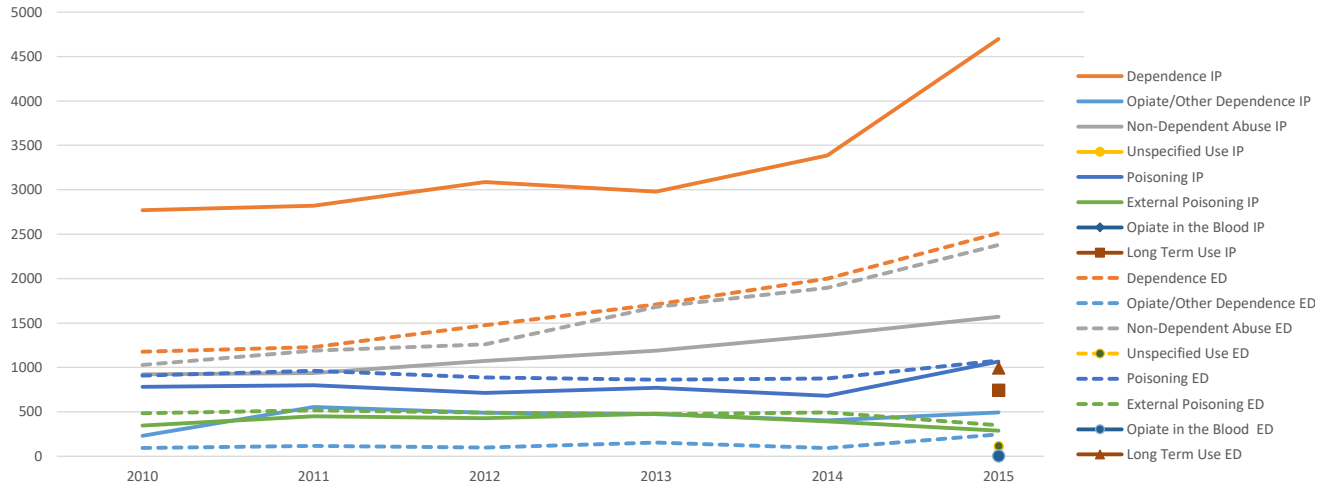
Rates are per 100,000 Nevada Population.

<sup>^</sup>In 2015, quarter 4, the ICD-10-CM codes were implemented. This includes codes for long term current use of an opiate and for opiate in the blood, neither of which existed in the ICD-9-CM codes. This may account for the increase in 2015.

Opioid-Related Hospitalizations (ED and IP), Nevada Residents, 2010-2015



Opioid-Related Hospitalizations (ED and IP), by ICD Group, Nevada Residents, 2010-2015

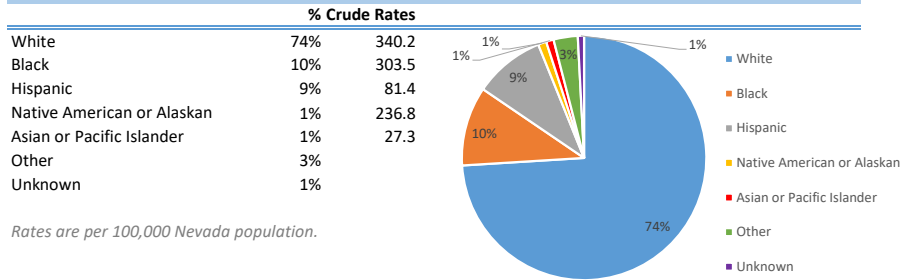


A person can be included in more than one drug group, and therefore the counts above are not mutually exclusive.

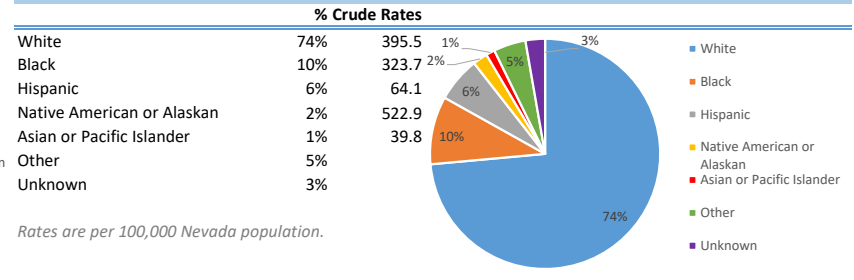
Opioid-Related Hospitalization (Inpatient) Visits by Length of Stay (Days), Nevada Residents, 2010-2015

Year	0-1	2-4	5-9	10-14	15-19	20-24	25+
2010	684	1,897	1,189	390	140	100	118
2011	714	2,031	1,373	415	133	77	146
2012	693	1,986	1,555	478	163	106	162
2013	783	1,991	1,510	414	197	113	164
2014	757	2,158	1,617	514	221	113	223
2015	1,023	3,300	2,538	683	283	146	258

### Opioid-Related Emergency Department Encounters by Race/Ethnicity, Nevada Residents, 2015



### Opioid-Related Inpatient Admissions by Race/Ethnicity, Nevada Residents, 2015



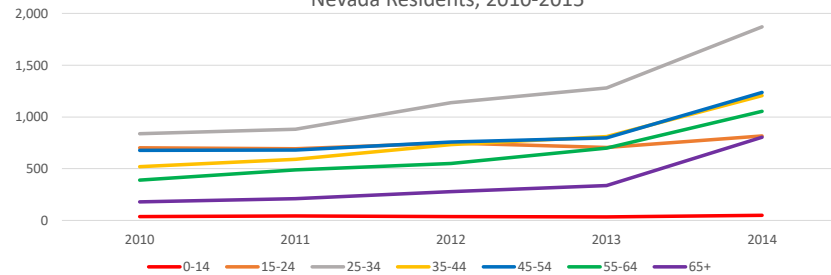
### Opioid-Related Emergency Department Encounters by Age Group, Nevada Residents, 2010-2015

Year	0-14	15-24	25-34	35-44	45-54	55-64	65+
2010	47	629	714	549	680	345	131
2011	38	703	837	521	677	391	181
2012	44	694	883	590	682	490	211
2013	39	748	1,138	734	759	552	280
2014	35	704	1,279	810	797	698	338
2015	49	816	1,870	1,206	1,236	1,054	804

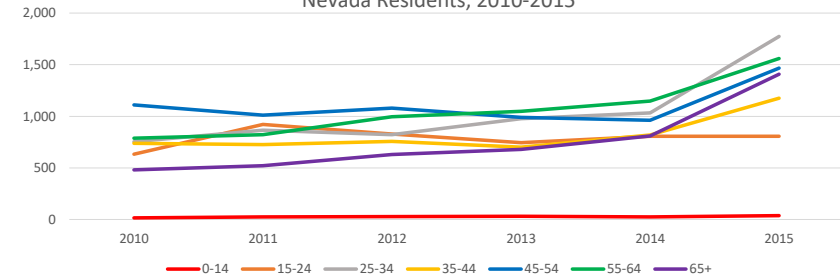
### Opioid-Related Inpatient Admissions by Age Group, Nevada Residents, 2010-2015

Year	0-14	15-24	25-34	35-44	45-54	55-64	65+
2010	15	632	754	738	1,109	789	481
2011	25	920	865	726	1,012	821	520
2012	29	829	823	756	1,078	997	631
2013	32	744	978	701	990	1,047	680
2014	26	807	1,032	818	962	1,148	810
2015	37	807	1,775	1,176	1,466	1,561	1,409

Opioid-Related Emergency Department Encounters by Age Group, Nevada Residents, 2010-2015

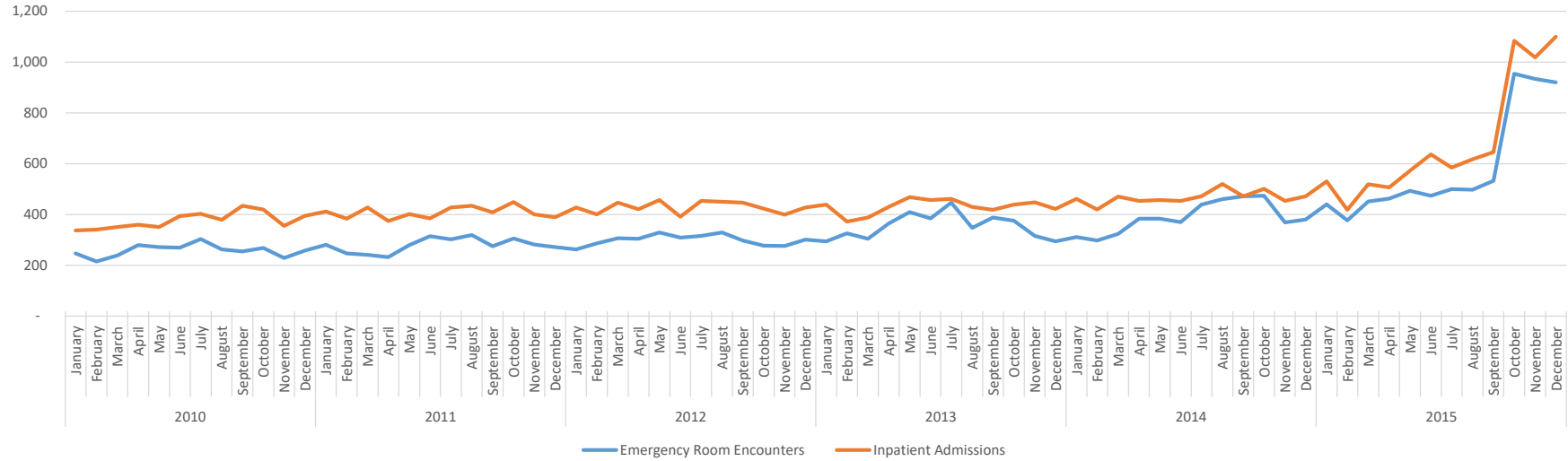


Opioid-Related Inpatient Admissions by Age Group, Nevada Residents, 2010-2015



Office of Public Health Informatics and Epidemiology  
 Division of Public and Behavioral Health

Number of Opioid-Related Hospitalizations, Nevada Residents, 2010-2015



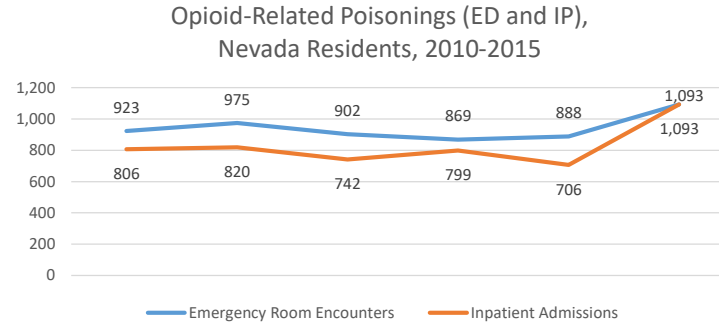
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### Opioid-Related Poisonings - Emergency Department Encounters and Inpatient Hospital Admissions, Nevada Residents, 2010-2015

Opioid-related poisoning is a subset of the opioid-related hospitalization data. The following ICD-9-CM/ICD-10-CM for poisoning include: 965.0 ICD-9, T40.0-T40.4, and T40.6 ICD-10.

Year	Emergency Room Encounters	Emergency Room Crude Rates	Percent Change	Inpatient Admissions	Inpatient Crude Rates	Percent Change
2010	923	34.1		806	29.8	
2011	975	35.8	5%	820	30.1	1%
2012	902	32.8	-8%	742	27.0	-10%
2013	869	31.0	-5%	799	28.5	6%
2014	888	31.2	1%	706	24.8	-13%
2015	1,093	38.0	22%	1,093	38.0	53%
Percent Change 2010-2015			11%	28%		

Rates are per 100,000 Nevada population



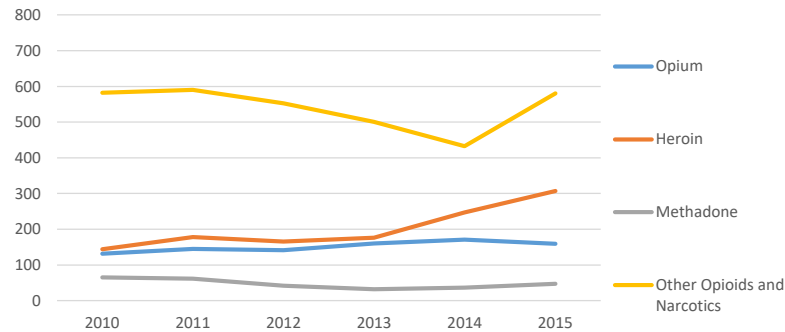
### Opioid-Related Poisonings - Emergency Department Encounters, Nevada Residents, 2010-2015

Year	Opium	Heroin	Methadone	Other Opioids and Narcotics
2010	132	144	65	582
2011	145	178	62	590
2012	141	166	42	553
2013	160	176	32	501
2014	171	247	37	433
2015	159	307	47	580

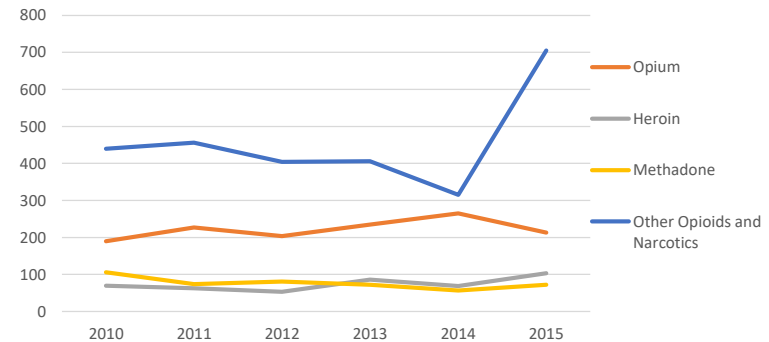
### Opioid-Related Poisonings - Inpatient Admissions, Nevada Residents, 2010-2015

Year	Opium	Heroin	Methadone	Other Opioids and Narcotics
2010	190	70	106	440
2011	227	63	74	456
2012	204	53	81	404
2013	235	86	72	406
2014	265	69	57	315
2015	213	103	72	705

### Opioid-Related Poisonings - Emergency Department Encounters, Nevada Residents, 2010-2015



### Opioid-Related Poisonings - Inpatient Admissions, Nevada Residents, 2010-2015



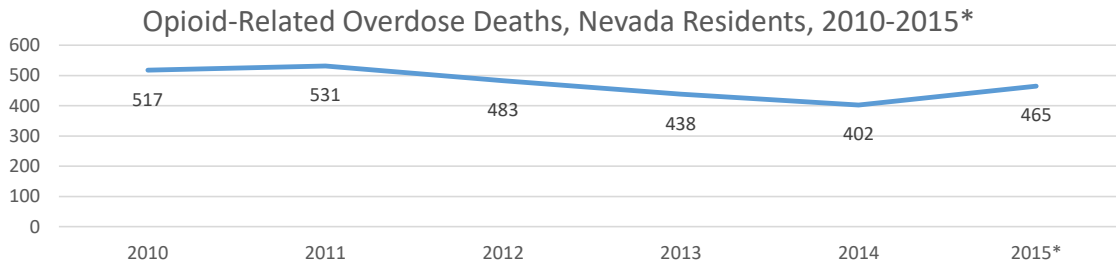
### Opioid-Related Overdose Deaths, Nevada Residents, 2010-2015\*

Year	Opioid-Related Overdose Deaths	Crude Rates	Percent Change	Benzodiazepine Related Overdose Deaths	Opioid and Benzodiazepine Related Overdose Deaths
2010	517	19.1		175	148
2011	531	19.5	2%	178	152
2012	483	17.6	-10%	174	148
2013	438	15.6	-11%	135	111
2014	402	14.1	-10%	135	115
2015*	465	16.2	14%	142	127
Percent Change 2010-2015			-15%		

Rates are per 100,000 Nevada Population.

#### Each year:

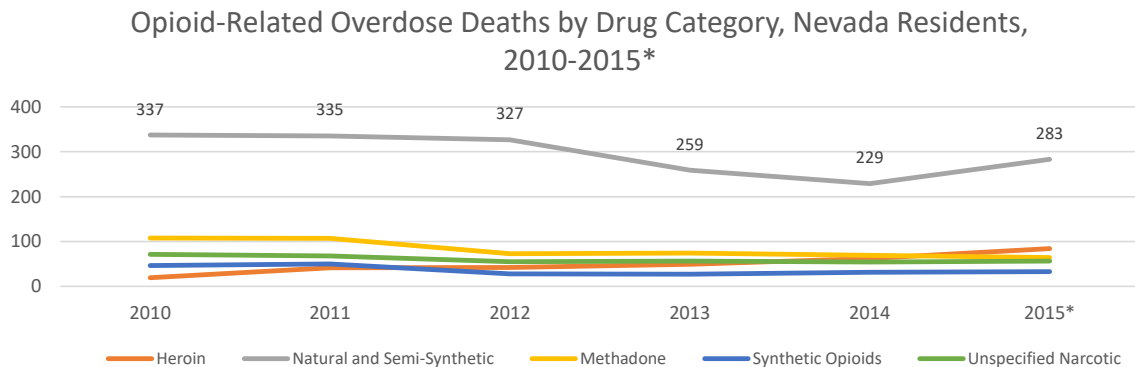
- Roughly 85% of all benzodiazepine-related overdose deaths also involve opioids.
- Roughly 28% of all opioid-related overdose deaths also involve benzodiazepines.



### Opioid-Related Overdose Deaths by Drug Category, Nevada Residents, 2010-2015\*

Year	Heroin	Natural and Semi-Synthetic	Methodone	Synthetic Opioids	Unspecified Narcotic
2010	19	337	108	46	71
2011	41	335	107	50	68
2012	42	327	73	28	55
2013	49	259	74	27	56
2014	62	229	69	31	54
2015*	84	283	64	33	56

A person can be included in more than one drug group, and therefore the counts above are not mutually exclusive.

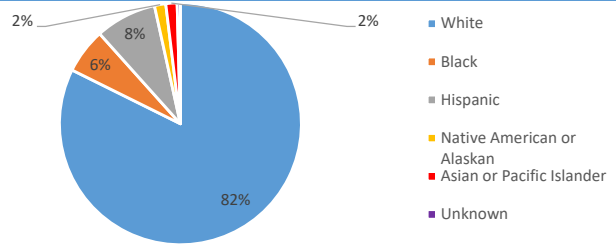


\* Data are preliminary and are subject to changes.



**Opioid-Related Deaths by Race/Ethnicity, Nevada Residents, 2015\***

Race/Ethnicity	%	Crude Rates
White	82%	25.0
Black	6%	11.5
Hispanic	8%	4.7
Native American or Alaskan	2%	21.5
Asian or Pacific Islander	2%	2.7
Unknown	0%	

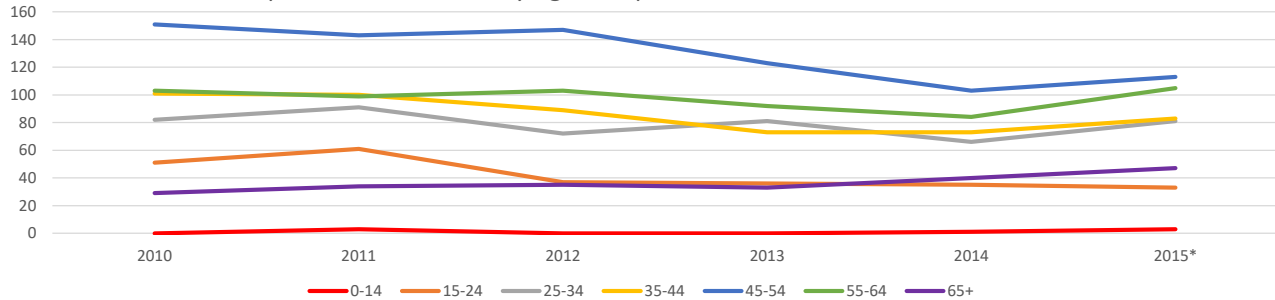


Rates are per 100,000 Nevada Population.

**Opioid-Related Deaths by Age Group, Nevada Residents, 2010-2015\***

Year	0-14	15-24	25-34	35-44	45-54	55-64	65+
2010	0	51	82	101	151	103	29
2011	3	61	91	100	143	99	34
2012	0	37	72	89	147	103	35
2013	0	36	81	73	123	92	33
2014	1	35	66	73	103	84	40
2015*	3	33	81	83	113	105	47

**Opioid-Related Deaths by Age Group, Nevada Residents, 2010-2015\***



**Opioid-Related Deaths by Cause of Death, Nevada Residents, 2010-2015\***

Cause of Death	N	%	Crude Rates
Accidents	2,136	75%	12.8
Suicide	328	12%	2.0
Diseases of the Heart	252	9%	1.5
All Others	120	4%	0.7

**Opioid-Related Deaths by Sex, Nevada Residents, 2010-2015\***

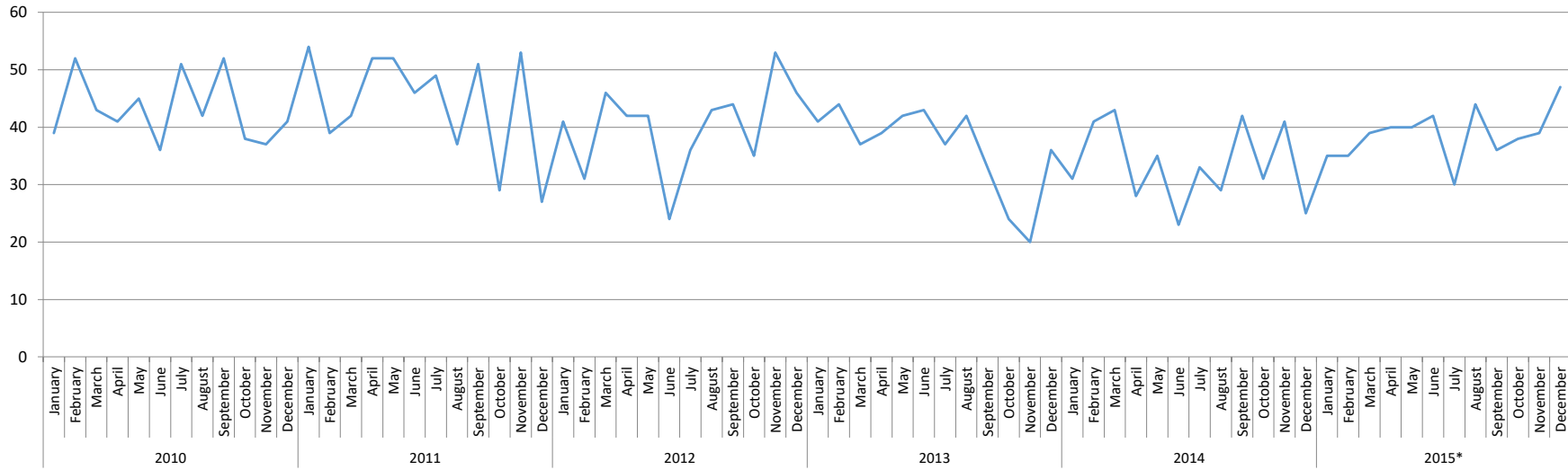
Year	Male	Crude Rates	Female	Crude Rates
2010	291	21.3	226	16.9
2011	323	23.5	208	15.4
2012	254	18.3	229	16.8
2013	240	17.0	198	14.3
2014	218	15.2	184	13.0
2015*	257	17.8	208	14.6

Rates are per 100,000 Nevada Population.

\*Data are preliminary and are subject to changes.

Office of Public Health Informatics and Epidemiology  
Division of Public and Behavioral Health

Number of Opioid-Related Deaths, Nevada Residents, 2010-2015\*



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