

Opioid Poisonings in Nevada, 2010-2015

Of all the emergency department (ED) encounters due to opioid use including opioid dependence and abuse, 18% were opioid poisoning. Similarly, of the inpatient (IP) admissions due to opioid use, 11% were for opioid poisoning. Based on ICD diagnosis codes, opioid poisoning includes opium, heroin, methadone and other opiates/narcotics (prescription drugs). Most ED encounters and IP admissions related to opioid poisonings, are from prescription drugs. Heroin and prescription drugs poisonings have increased over the reported 6-year period 2010 to 2015.

Opioid Poisoning - Emergency Department Visits					Opioid Poisoning - Inpatient Admissions				
Year	Opium	Heroin	Methadone	Other Opioids and Narcotics	Year	Opium	Heroin	Methadone	Other Opioids and Narcotics
2010	76	136	54	553	2010	92	61	85	409
2011	95	158	53	543	2011	117	59	67	477
2012	89	154	36	547	2012	116	50	62	449
2013	102	172	29	485	2013	136	79	59	467
2014	115	233	32	442	2014	156	59	47	415
2015	93	271	36	401	2015	109	78	56	401

Poisonings by County:

Increases in the number of opioid related poisonings, resulting in ED encounters, have occurred throughout the state from 2010 to 2015, except for Nye and Esmeralda county. Caution should be used when reviewing rates for counties with small counts and populations, for statistical reliability, for example, Humboldt, Mineral, and Pershing County rates increase over 100% while the counts are less than 10.

County	Emergency Department Encounters due to Opioid Poisonings				
	2010		2015		% Rate Change
	N	Rate	N	Rate	
Carson City	9	16.3	17	31.4	93%
Churchill	6	23.9	9	35.9	50%
Clark	611	31.2	517	24.7	-21%
Douglas	8	17.0	12	24.7	46%
Elko	3	6.1	6	11.3	84%
Esmeralda	0	0.0	0	0.0	-
Eureka	0	0.0	0	0.0	-
Humboldt	1	6.0	6	34.9	481%
Lander	0	0.0	2	30.6	-
Lincoln	0	0.0	2	40.3	-
Lyon	16	30.6	11	20.3	-34%
Mineral	1	21.0	2	43.4	107%
Nye	40	91.0	15	33.1	-64%
Pershing	0	0.0	4	59.3	-
Storey	0	0.0	0	0.0	-
Washoe	78	18.7	143	32.4	74%
White Pine	5	49.5	10	98.8	99%

The percent rate change for Clark County is -21% and 74% increase for Washoe County for emergency department encounters.

County	Inpatient Admissions				% Rate Change
	2010		2015		
	N	Rate	N	Rate	
Carson City	10	18.1	16	29.5	63%
Churchill	4	16.0	6	23.9	50%
Clark	421	21.5	422	20.1	-6%
Douglas	3	6.4	8	16.5	159%
Elko	7	14.3	4	7.6	-47%
Esmeralda	0	0.0	0	0.0	-
Eureka	1	47.1	0	0.0	-100%
Humboldt	4	24.1	3	17.5	-27%
Lander	0	0.0	0	0.0	-
Lincoln	1	18.6	0	0.0	-
Lyon	12	23.0	15	27.7	21%
Mineral	2	42.0	1	21.7	-48%
Nye	18	40.9	10	22.1	-46%
Pershing	2	29.5	1	14.8	-50%
Storey	1	24.9	0	0.0	-
Washoe	111	26.6	92	20.9	-22%
White Pine	2	19.8	0	0.0	-100%

Inpatient visits, for opioid related poisonings have decreased in some counties with smaller populations, but have increased in Nevada's urban counties. The percent rate change for Clark County is -6% and a 22% increase for Washoe County.