



Overdose Death Report

(2013-2017)

Date Completed: 11/21/2018

This data report provides a summary of overdose deaths that occurred from 2013 to 2017 in Medina County. During this time frame, Medina County saw a total of 165 overdose related deaths with an overall age adjusted mortality rate of 21.1 deaths per 100,000 people in the county. Compared to the historic 5 year average, 2017 was +45.5% above the historic average for overdose related deaths. This data is based on deaths received from the Ohio Department of Health (ODH) Bureau of Vital Statistics.

Note: Race was not analyzed due to the lack of disparity between races. Whites accounted for 97% of all deaths. This data represents all overdoses and not overdoses with any particular drug.

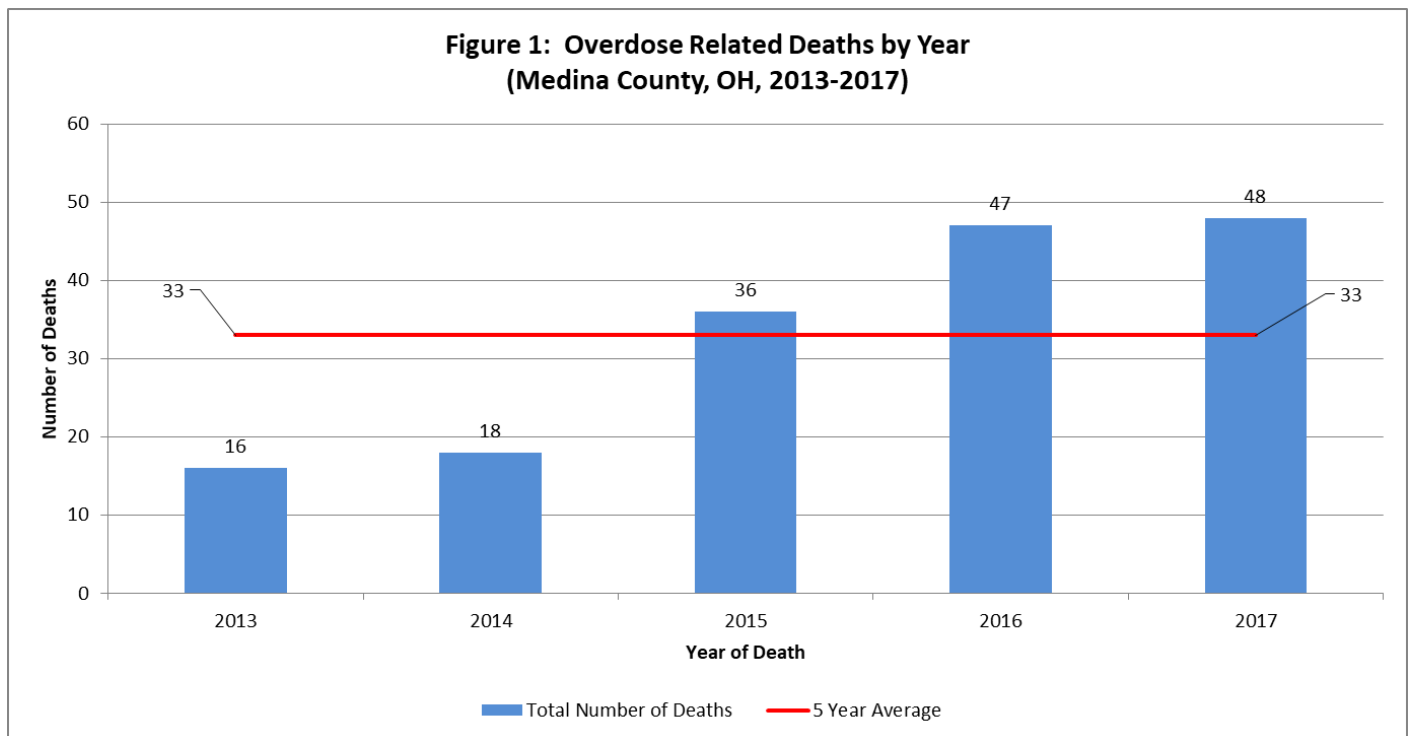


Figure 1 shows the number of overdose related deaths per year from 2013 to 2017. From 2013 to 2017, there was a +200% increase in overdose related deaths. From 2016 to 2017, there was a slight increase of +2.13% in overdose related deaths.

*Deaths were analyzed utilizing applicable ICD 10 codes for poisonings and exposure to noxious substances. The following ICD 10 codes were used to identify overdose related deaths: X40-X49, X60-X64, Y11-Y14. *

Table 1: ICD 10 Codes for Overdose Related Deaths (Medina County, 2013-2017)			
ICD 10 Codes	Description	Number of Deaths	Percent
X41	Accidental poisoning by and exposure to antiepileptic, sedative-hypnotic, antiparkinsonism and psychotic	5	3.0%
X42	Accidental poisoning by and exposure to narcotics and psychodysleptics (hallucinogens), not elsewhere classified	92	55.8%
X44	Accidental poisoning by and exposure to other and unspecified drugs, medicaments and biological substance	43	26.1%
X45	Accidental poisoning by and exposure to alcohol	2	1.2%
X61	Intentional self-poisoning by and exposure to antiepileptic, sedative-hypnotic, antiparkinsonism, and psychotic	2	1.2%
X62	Intentional self-poisoning by and exposure to narcotics and psychodysleptics (hallucinogens)	3	1.8%
X64	Intentional self-poisoning by and exposure to other and unspecified drugs, medicaments and biological substance	8	4.8%
Y11	Poisoning by and exposure to antiepileptic, sedative-hypnotic, antiparkinsonism and psychotropic drug	3	1.8%
Y12	Poisoning by and exposure to narcotics and psychodysleptics (hallucinogens), not elsewhere classified	5	3.0%
Y14	Poisoning by and exposure to other and unspecified drugs, medicaments and biological substances	2	1.2%
	Total	165	

Table 1 displays overdose deaths by ICD 10 codes to provide a description of the type of overdose that caused the death to occur. The highest number of deaths were attributed to ICD 10 code X42 (55.8%). Overall, 86.1% of overdose deaths were determined to be accidental and not intentional.

Figure 2: Overdose Related Deaths by Gender and Year of Death (Medina County, OH, 2013-2017)

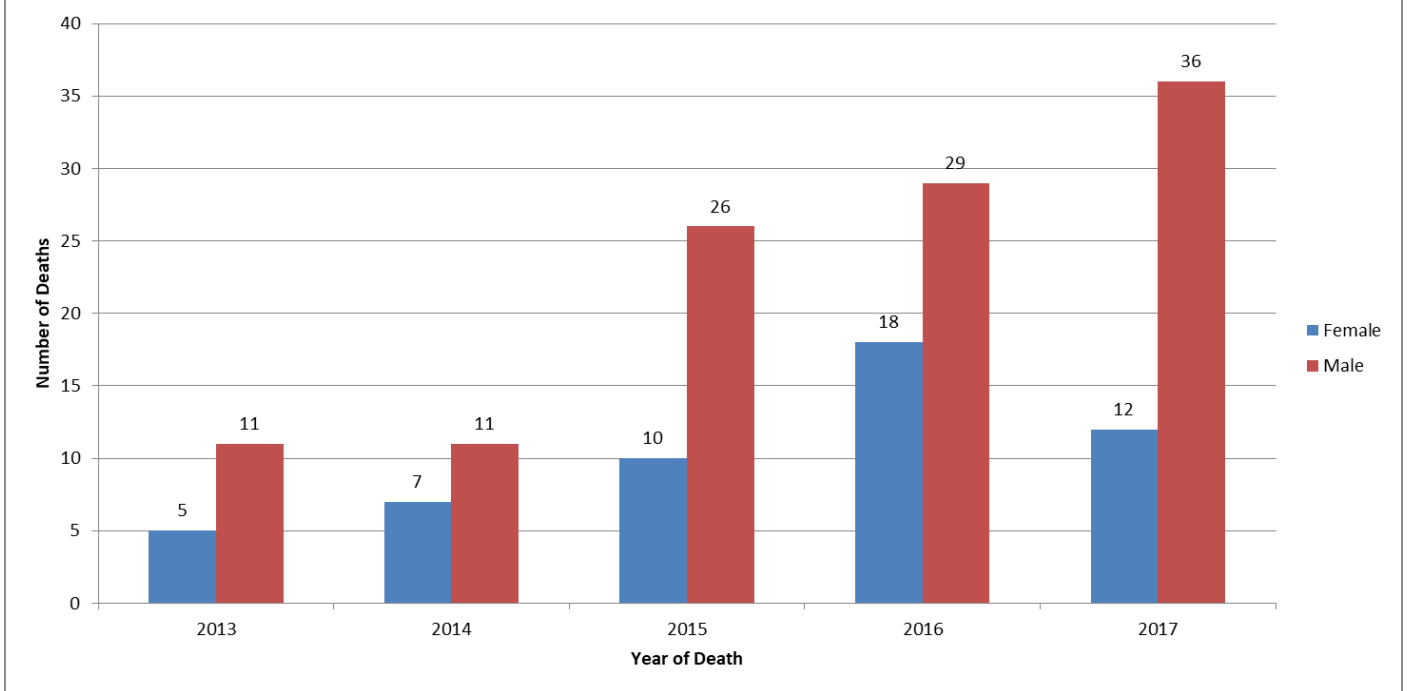


Figure 2 displays overdose related deaths by gender and year of death. 2016 had the highest number of deaths for females (18) and 2017 had the highest for males (36). Males have had the highest number of overdose related deaths every year. Males accounted for 68.5% of all overdose related deaths compared to 31.5% for females. However, the number of overdose deaths for both genders have increased with each passing year with the exception of female deaths in 2017.

Table 1: Overdose Related Deaths by Age Groups (Medina County, 2013-2017)

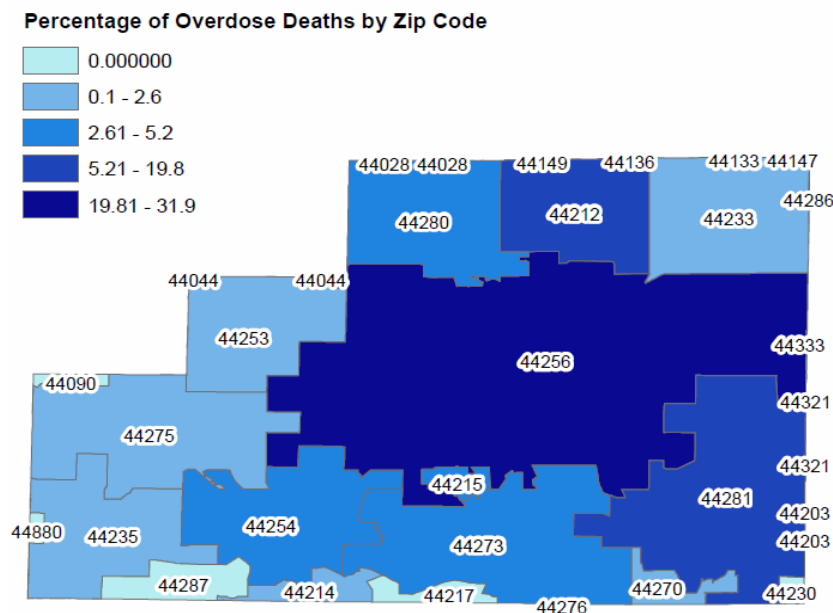
Age Groups	2013	2014	2015	2016	2017	Totals	Percentages
0-14 years	0	0	0	0	0	0	0.0%
15-24 years	4	1	8	5	7	25	15.2%
25-44 years	11	10	16	27	27	91	55.2%
45-64 years	1	7	12	15	10	45	27.3%
65+ years	0	0	0	0	4	4	2.4%
Totals	16	18	36	47	48	165	

Table 1 displays the number of overdose related deaths by age groups and year of death. The 25-44 years age group had the highest number of overdose related deaths with 91 deaths (55.2%). The 0-14 age group had the lowest with 0 deaths (0%). The average age of an overdose related death was 38.4 years and the deaths ranged from 17 to 70 years of age.

Table 3: Overdose Related Deaths by Zip Codes and Area (Medina County, 2013-2017)			
Zip Codes	Area	Number of Overdose Deaths	Percentages
44203	Norton (Border of Wadsworth)	1	0.61%
44212	Brunswick	38	23.03%
44214	Burbank (Border of Lodi)	1	0.61%
44215	Chippewa Lake	5	3.03%
44217	Creston	1	0.61%
44233	Hinckley	4	2.42%
44235	Homerville	3	1.82%
44253	Litchfield	3	1.82%
44254	Lodi	9	5.45%
44256	Medina	52	31.52%
44270	Rittman	1	0.61%
44273	Seville	6	3.64%
44275	Spencer	3	1.82%
44280	Valley City	6	3.64%
44281	Wadsworth	32	19.39%
	Totals	165	

Table 2 displays the number of overdose related deaths by zip codes and area. The zip codes and areas with the highest number of overdose deaths were the following: 44256 (52 deaths, Medina), 44212 (38 deaths, Brunswick), and 44281 (32 deaths, Wadsworth).

Percentage of Overdose Deaths by Zip Code, Medina County, 2013-Preliminary 2016



The map above illustrates the percentage of overdose deaths by zip codes in Medina County. As mentioned and displayed in Table 2, 44256 (Medina), 44212 (Brunswick), and 44281 (Wadsworth) had the highest percentage of deaths.

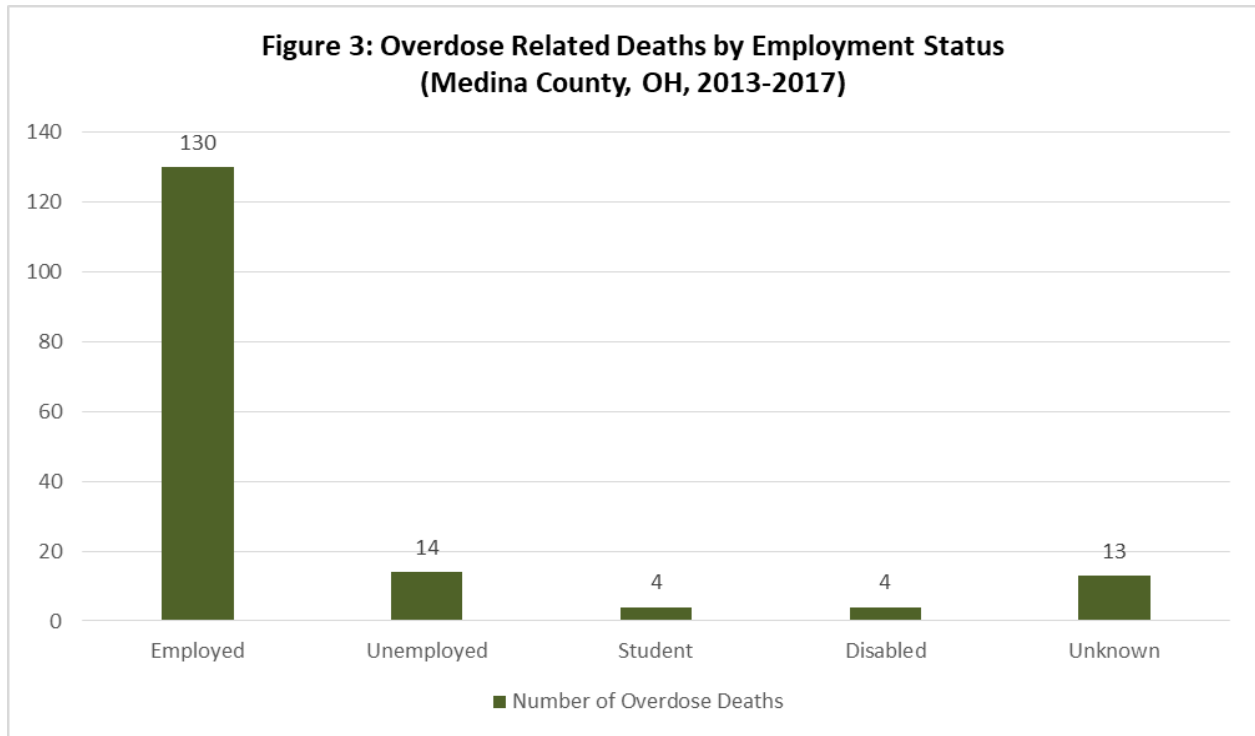


Figure 3 displays the number of overdose related deaths by employment status. Individuals who were employed accounted for 78.8% (130) of all overdose related deaths compared to 8.5% (14) for those who were unemployed.

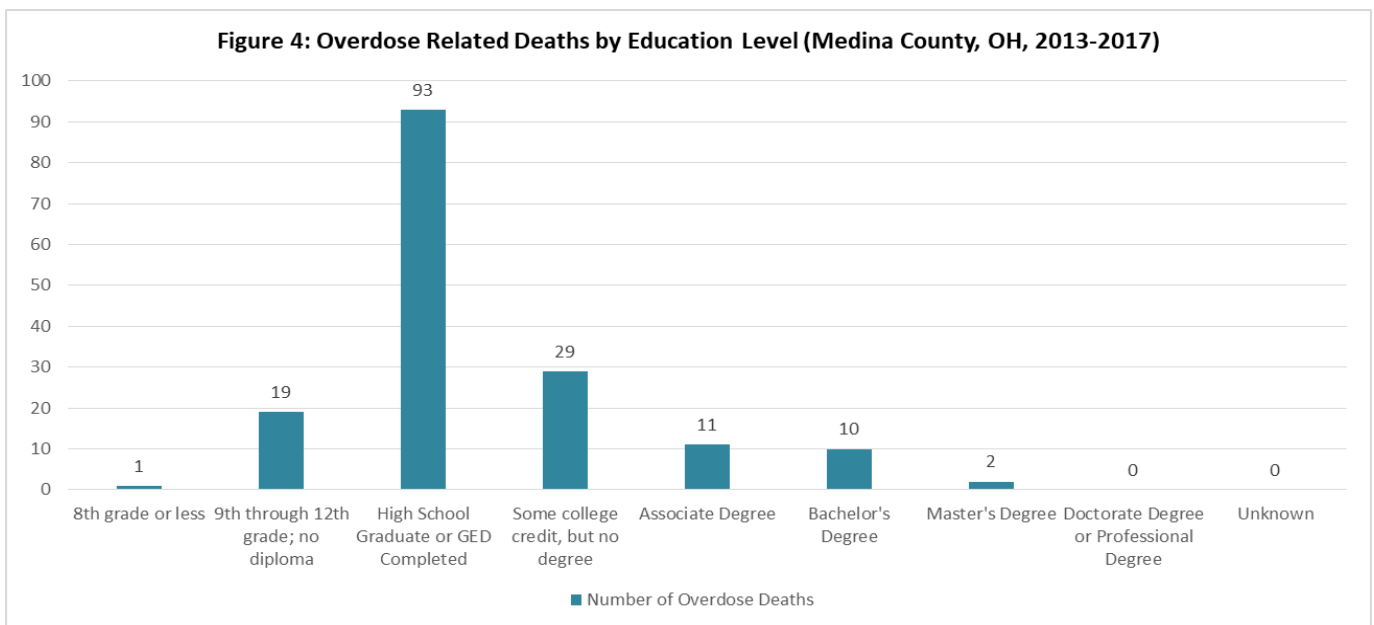


Figure 4 displays the number of overdose related deaths by education level. The highest number of deaths occurred among individuals who had an educational level of high school graduate or GED completed with 93 deaths (56.4%) and the lowest number of deaths occurred among individuals who had an educational level of doctorate degree or professional degree with 0 deaths (0%). 86.1% of deaths (142) occurred among individuals who had some college (no degree obtained) and/or a high school graduate or GED level education or less. Individuals with an Associates degree or higher accounted for 13.9% of deaths (23).

Table 4: Overdose Related Deaths by Year and Marital Status (Medina County, 2013-2017)							
Marital Status	2013	2014	2015	2016	2017	Totals	Percentage of Deaths
Divorced	4	5	10	9	10	38	23.0%
Married	1	3	5	11	11	31	18.8%
Single	11	10	20	25	25	91	55.2%
Widowed	0	0	1	2	2	5	3.0%
Totals	16	18	36	47	46	165	

Table 3 displays the number of overdose deaths by year and marital status. The highest number of deaths occurred among individuals who were single with 91 deaths (55.2%) and the lowest number of deaths occurred among individuals who were widowed with 5 deaths (3.0%). Individuals who were single or divorced accounted for 78.2% of all overdose related deaths.



Questions about this report can be directed to the Medina County Health Department Epidemiologist, Brent Styer, by calling 330-723-9688, option 5 or via email at bstyer@medinahealth.org.

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