

Opioid Surveillance 2017 Summary



HEALTH
DEPARTMENT
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Kent County Opioid Surveillance

Medical Examiner

Source: Kent County Medical Examiner

Medical Examiner data are current as of July 11, 2018

- 156 total drug overdose deaths
 - 125 deaths (80%) were opioid-related
 - Average age: 40 years
 - Median age: 37 years
 - 24 deaths involved heroin without the presence of fentanyl
 - 38 deaths involved fentanyl without the presence of heroin
 - 29 deaths involved heroin and fentanyl
 - 1 death involved carfentanil
 - 1 death involved Mitragynine (Kratom) and was classified as opioid-related

Table 1: Opioid-related Overdose Deaths by Month, Kent County 2017

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year to Date
6	15	9	5	9	9	9	12	12	10	11	18	125

Source: Kent County Medical Examiner Records 2017

Table 2: Opioid-related Overdose Deaths by Demographic Characteristics, Kent County, 2017

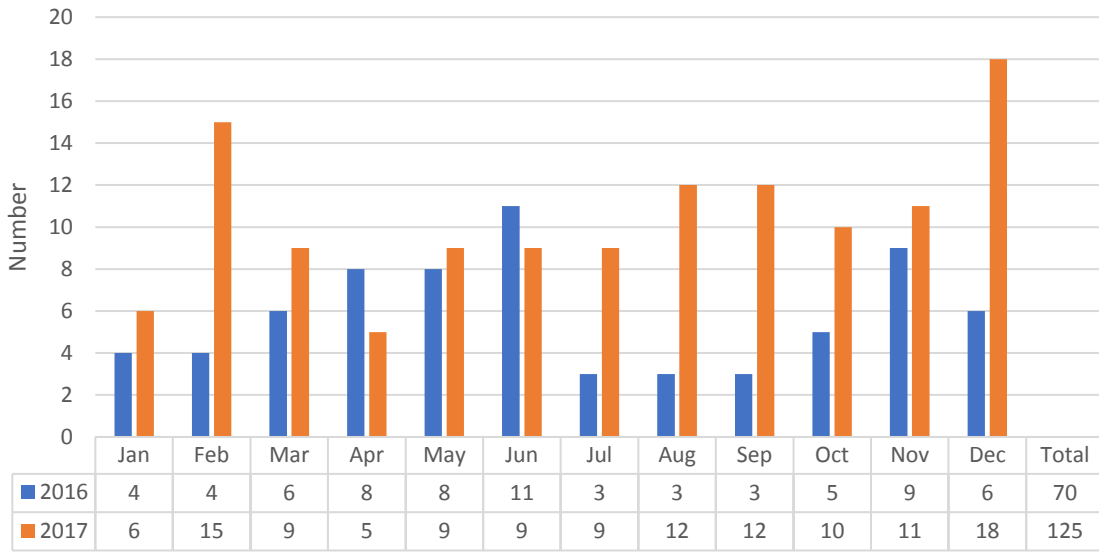
	Number	Death Rate	95% CI for Calculated Rate
Sex			
Male	82	26.2	(20.5 - 31.8)
Female	43	13.3	(9.3 - 17.3)
Age Group			
15-24	8	9.1	(2.8 - 15.4)
25-34	42	43.1	(30.1 - 56.1)
35-44	30	38.4	(24.7 - 52.2)
45-54	26	31.3	(19.3 - 43.4)
55-64	17	21.8	(11.4 - 32.1)
65+	*	*	*
Race			
White	98	19.4	(15.5 - 23.2)
Black	16	26.0	(13.2 - 38.7)
Hispanic	7	10.7	(2.8 - 18.6)
Total Deaths	125	19.6	(16.2 - 23.1)

Source: Kent County Medical Examiner Records 2017

All rates are per 100,000

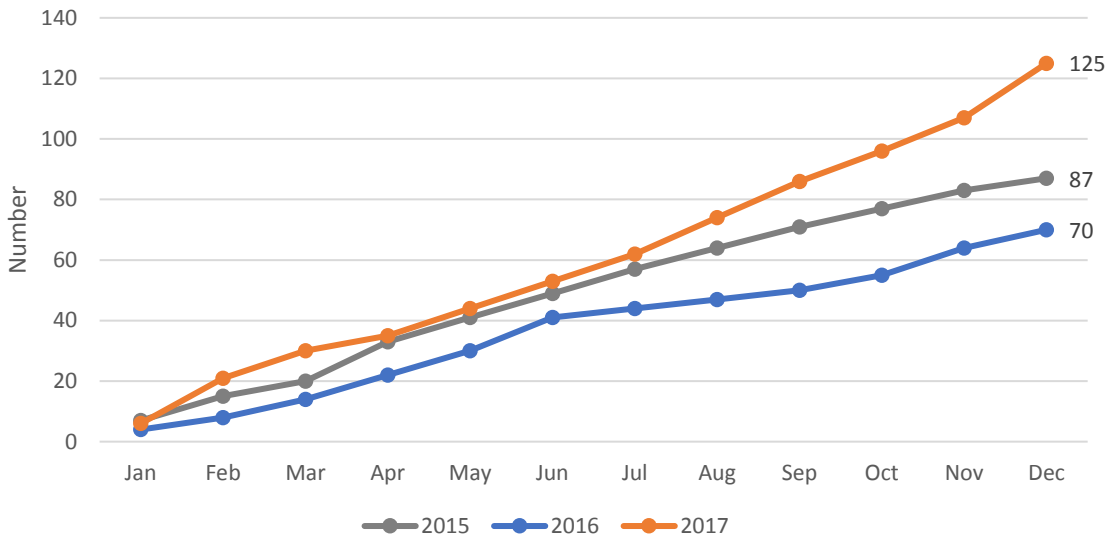
*Data suppressed due to insufficient numbers.

Figure 1: Number of Opioid-related Overdose Deaths by Month, Kent County, 2016-2017



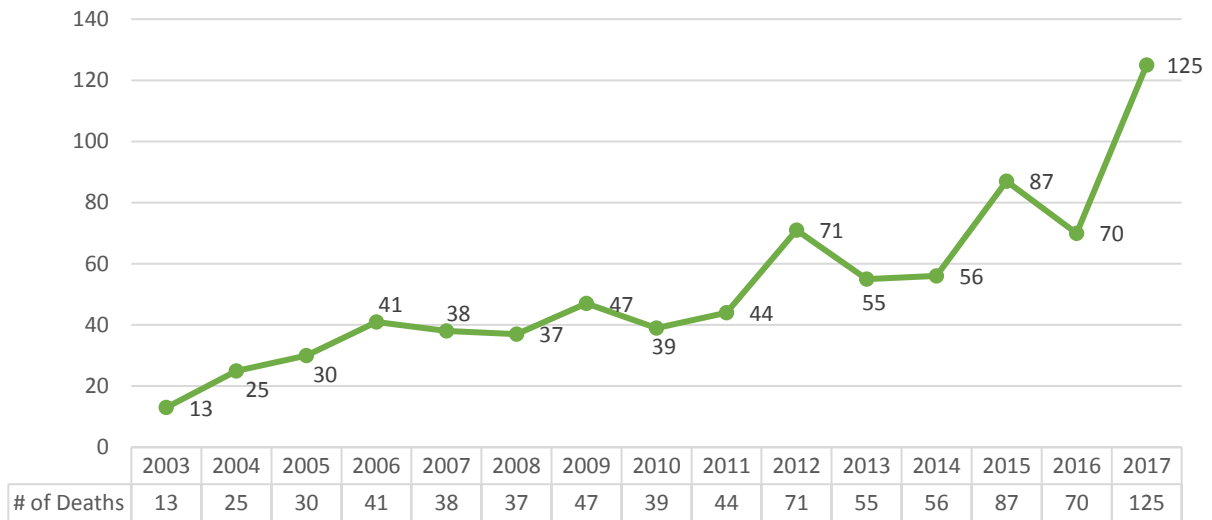
Source: Kent County Medical Examiner Records 2016-2017
 *Data are current as of 07/11/2018

Figure 2: Cumulative Number of Opioid-related Overdose Deaths, 2015-2017



Source: Kent County Medical Examiner Records 2015-2017
 *Data are current as of 07/11/2018

Figure 3: Number of Opioid-related Overdose Deaths by Year, Kent County, 2003-2017

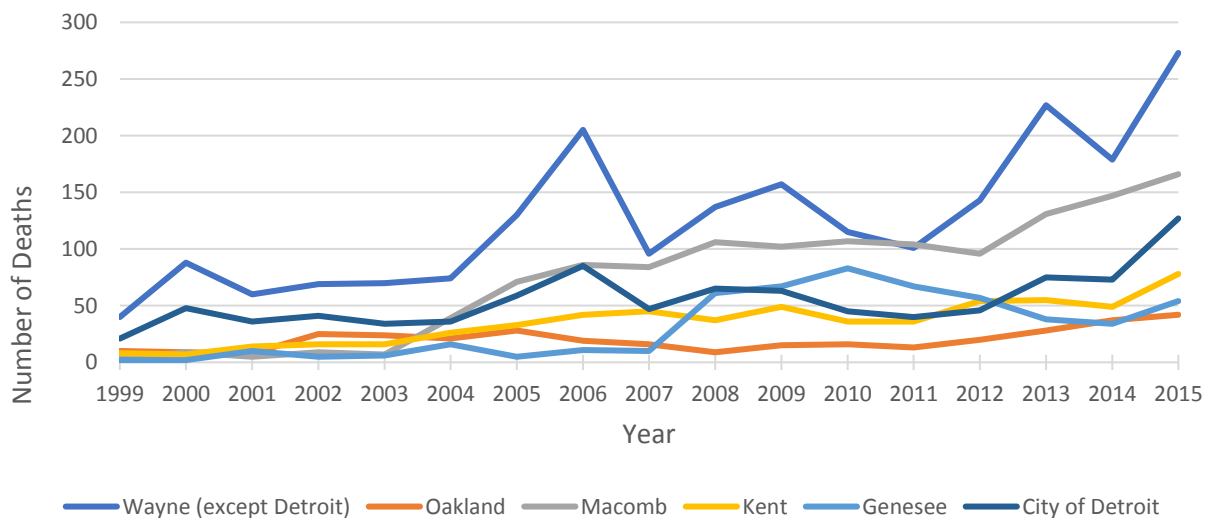


Source: Kent County Medical Examiner Records 2003-2017

*Data are current as of 07/11/2018

In an effort to compare data on opioid-related overdose deaths across counties in Michigan, county-level data was obtained from the Michigan Substance Use Data Repository (<http://mi-suddr.com/>). Death certificate data from the Division for Vital Records and Health Statistics for opioid-related overdose deaths, including heroin, in Michigan's five most populous counties are presented in Figure 4. In addition, medical examiner data on opioid-related deaths available from Ingham and Washtenaw County Health Departments are presented in Figure 5.

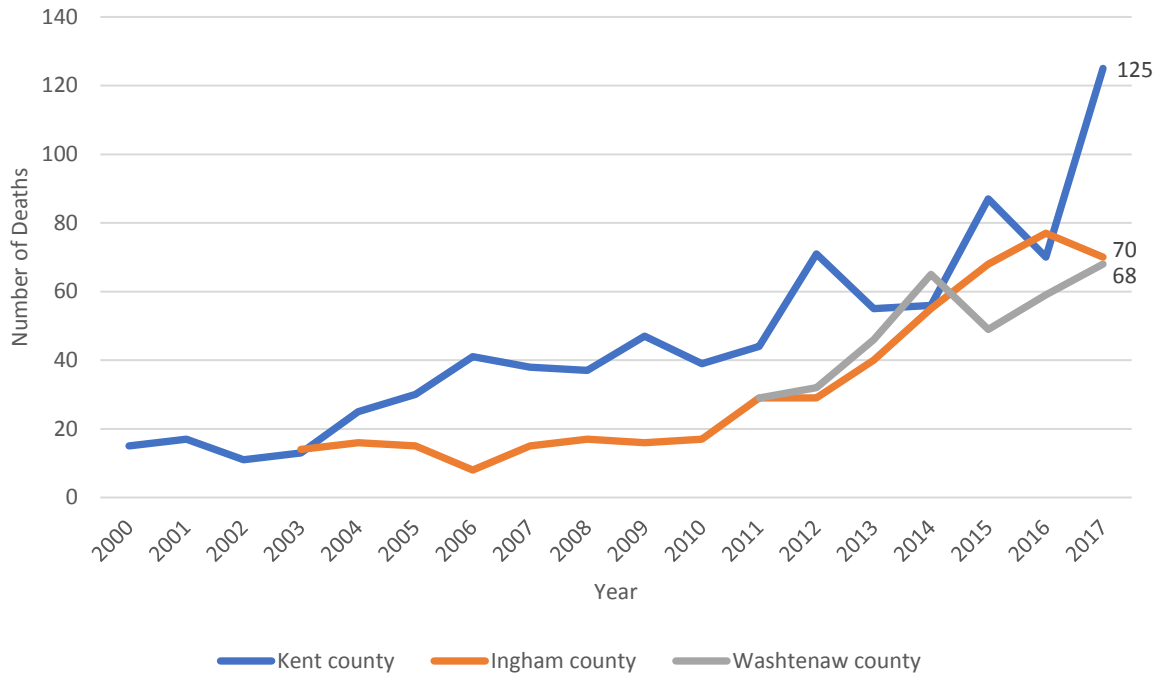
Figure 4: Opioid-related Overdose Deaths by Year in Michigan's Five Most Populous Counties, 1999-2015



Source: Michigan Death Certificates, Division for Vital Records and Health Statistics, Michigan Department of Health and Human Services, 1999-2015

<http://mi-suddr.com/opioids/>

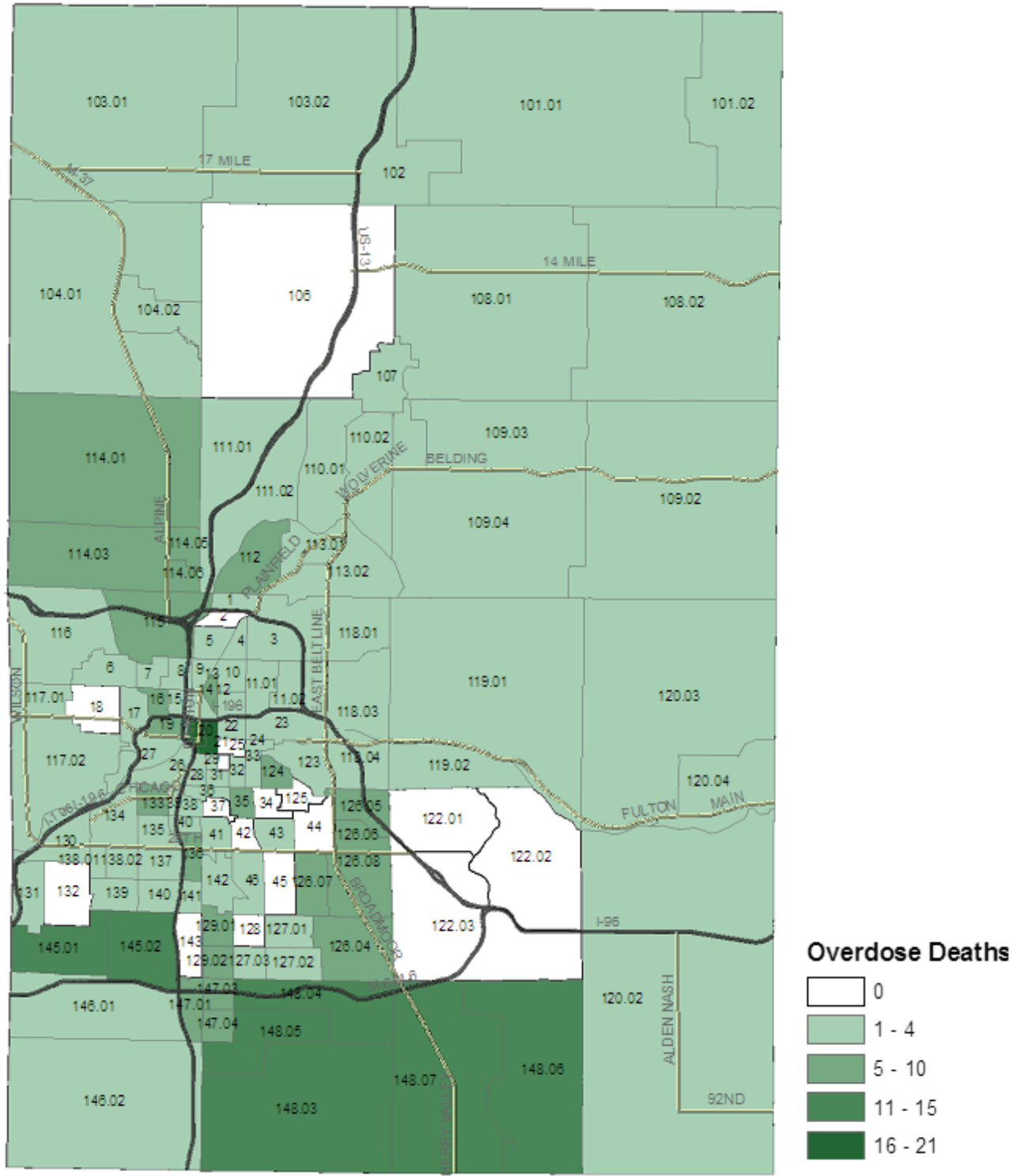
Figure 5: Opioid-related Overdose Deaths by Year, Ingham, Kent and Washtenaw Counties, 1999-2015



Sources: Ingham County Medical Examiner, Kent County Medical Examiner, Washtenaw County Medical Examiner

Figure 6: Number of Opioid-related Drug Overdose Deaths by Census Tract of Occurrence, Kent County 2015-2017

Note: For census tracts that are split into sub-regions, the total number of deaths is spread over the entire census tract grouping. For example, there are a total of 1-4 deaths in tracts 103.01 and 103.02, not 1-3 in each one.



Kent County Opioid Surveillance

***Please note that emergency department data for November and December 2017 are not included in this report due to changes in the surveillance system that have resulted in inaccurate community data for these months.**

Emergency Department Visit Data

Source: Michigan Syndromic Surveillance System

Emergency Department data are current as of November 8, 2017

- Total 576 drug overdose-related visits
 - Average age: 32 years
 - Median age: 28 years

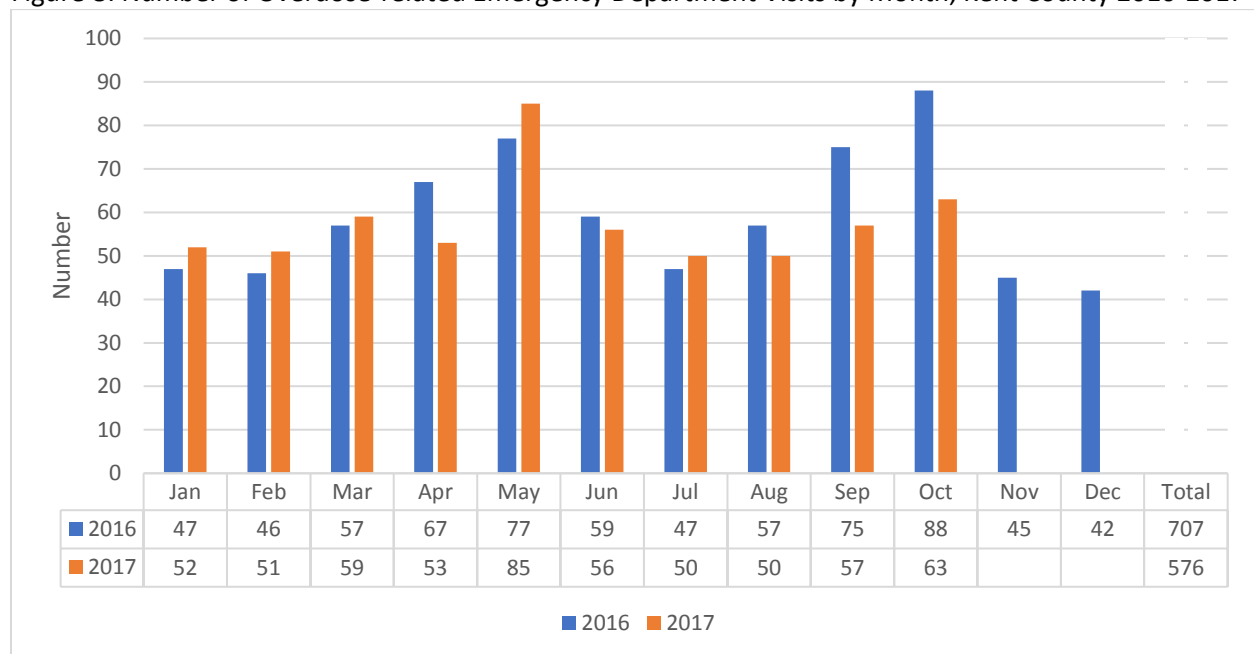
Table 3: Number of Overdose-related Emergency Department Visits by Month, Kent County 2017

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year to Date
52	51	59	53	85	56	50	50	57	63			576

Source: Michigan Syndromic Surveillance System

Numbers based on emergency department visit (chief complaint) and before any confirmed diagnosis is made

Figure 8: Number of Overdose-related Emergency Department Visits by Month, Kent County 2016-2017



Source: Michigan Syndromic Surveillance System

Data are current as of December 31, 2017

