



Ingham County
Health Department

Opioid Surveillance

May 2018

Ingham County Opioid Surveillance

Medical Examiner

Source: Ingham County Medical Examiner,

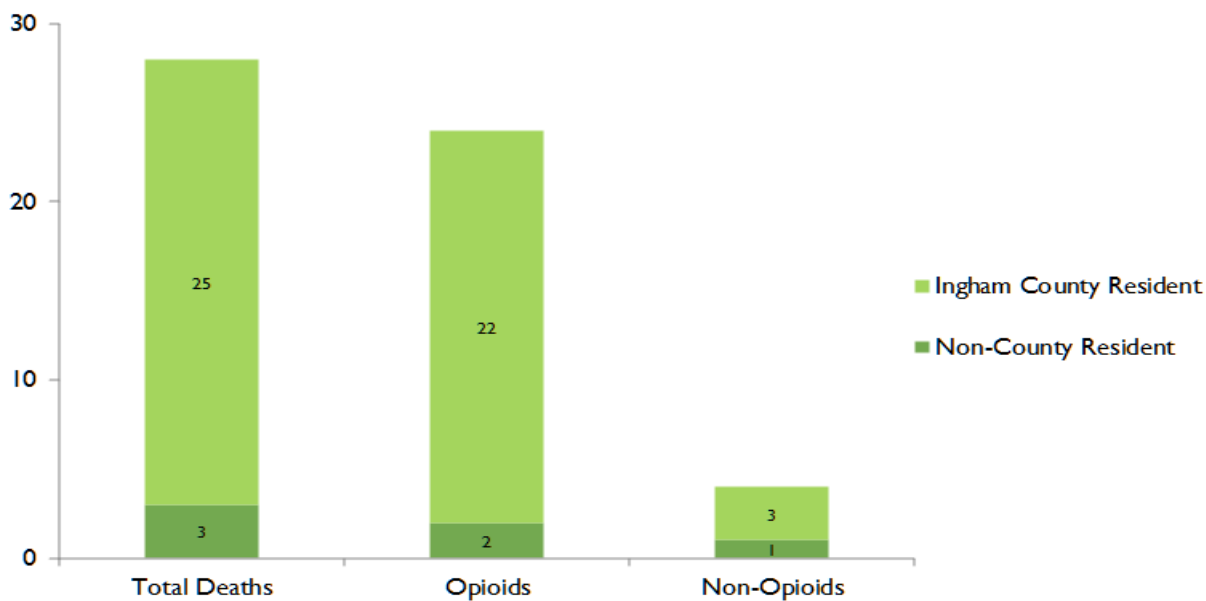
*Data is current as of May 14, 2018

- 28 total drug-related deaths (Table 1 & Fig. 1)
 - 24 deaths were opioid-related
 - 22 opioid-related deaths were Ingham County residents
 - 2 opioid-related deaths were non-County residents
 - 4 deaths were non-opioid-related
 - 3 non-opioid deaths were Ingham County residents
 - 1 non-opioid death was a non-County residents

Table 1: Number of drug-related deaths by related cause of death and county of residence, Ingham County 2018*

Related Cause of Death	Ingham County Resident	Non-County Resident	Total
Opioids	22	2	24
Non-Opioids	3	1	4
Total	25	3	28

Figure 1: Drug-related deaths by related cause of death and county of residence, Ingham County 2018*



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Figure 2: Number of opioid-related deaths among residents in Ingham County by month, Ingham County 2017-18*

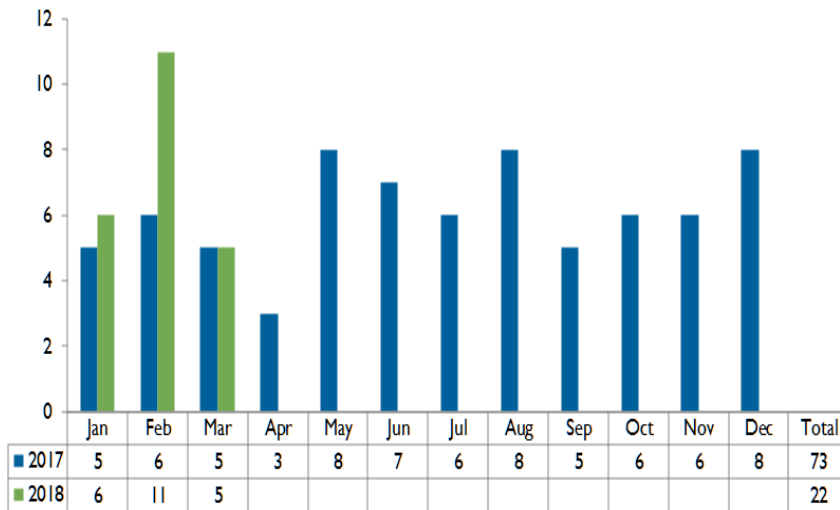
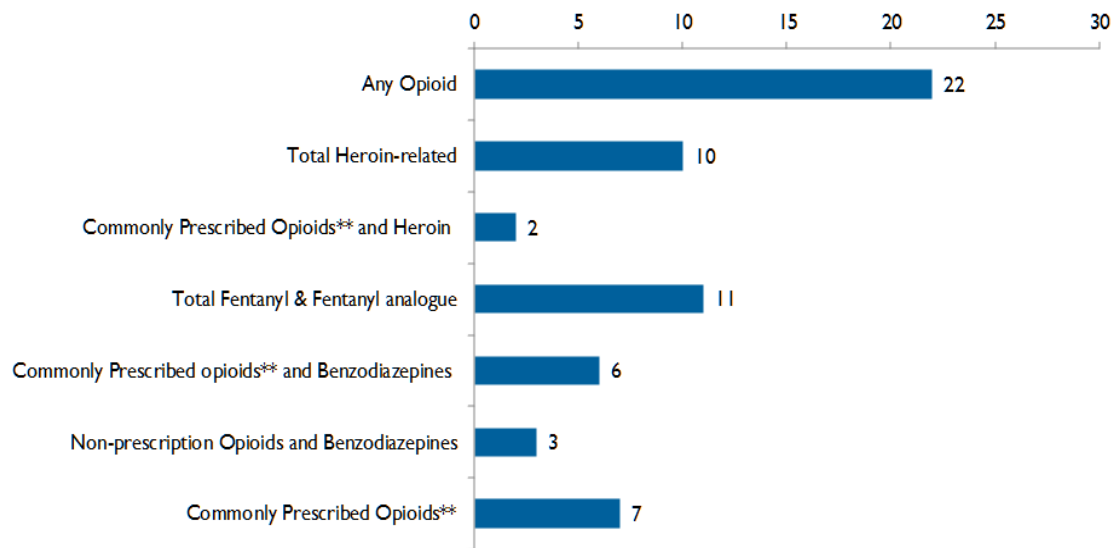


Figure 3: Opioid-related deaths by selected type of opioid among Ingham County residents, Ingham County 2018*



Note: Deaths by type of drug are not mutually exclusive. Often multiple drugs are identified as a related cause of death in a single case.

**Morphine, Codeine, Methadone, Oxycodone, Hydrocodone, Hydromorphone, and Oxymorphone.

*Data is current as of May 14, 2018

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Figure 4: Number of opioid-related deaths among residents in Ingham County by month, Ingham County 2004-2017

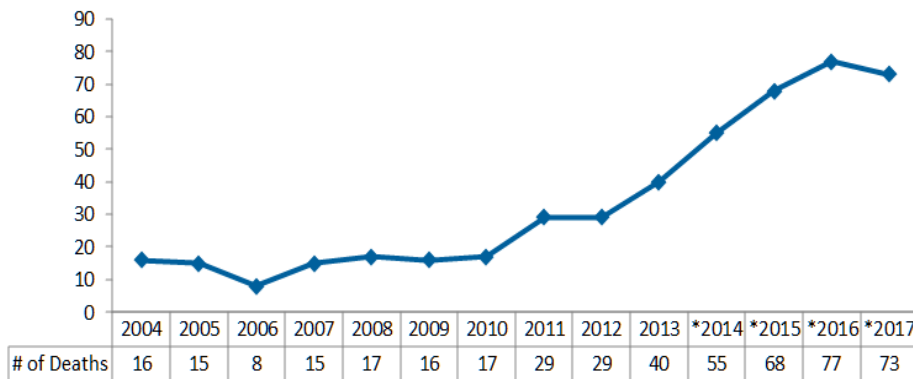


Table 2: Characteristics of Opioid-related deaths among residents in Ingham County, 2018**

Decedent Characteristic	Number	Death Rate†	95% CI for Calculated Rate
Total Deaths	22	7.7	(4.5 - 10.9)
Sex			
Male	13	*	*
Female	9	*	*
Age Group			
<15	0	*	*
15-24	2	*	*
25-34	7	*	*
35-44	6	*	*
45-54	3	*	*
55-64	3	*	*
≥65	1	*	*
Race			
White	19	*	*
Black	3	*	*
Other	0	0	
Hispanic Ethnicity			
Hispanic or Latino	0	0	
Non-Hispanic or Latino	16	*	*
Unknown	4	*	*
Missing	2	*	*
Other characteristic			
Age			
Median	37.5		
Mean	40.4		
Range	19 - 69 yrs		
Manner of death			
Accident	21		
Indeterminate	1		
Suicide	0		

†All rates are per 100,000 Ingham County residents

**Data suppressed due to insufficient numbers. ** Data is current as of May 14, 2018

Disclaimer: Counts reported in this document do not represent final numbers. They are subject to change after cases are reviewed.

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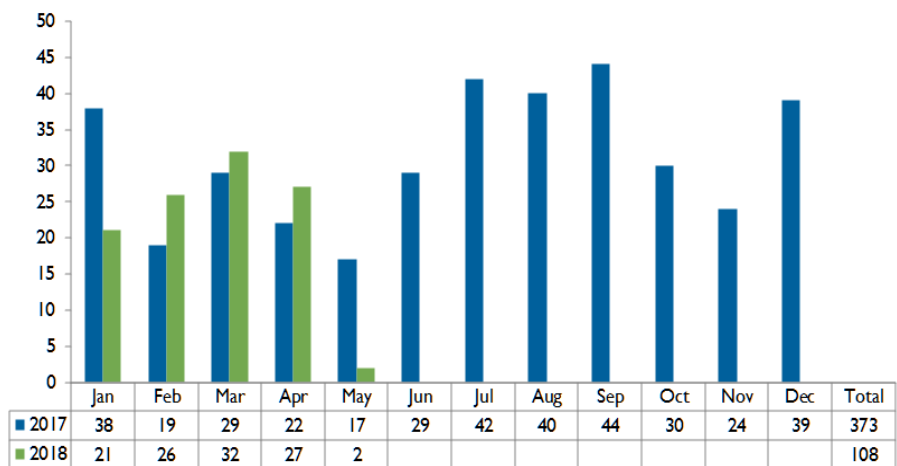
EMS/ Fire Department

Source: City of Lansing Fire Department/EMS,

*Data is current as of Jun. 06, 2018

- Naloxone incidence is a record from EMS where Naloxone was administered to a person at a specific place and time excluding repeated doses.
- Total number of Naloxone incidences 108
 - Number of Naloxone incidences (1 dose administered per person) 66
 - Number of Naloxone incidences (2 doses administered per person) 29
 - Number of Naloxone incidences (3 doses administered per person) 12
 - Number of Naloxone incidences (4 or more doses administered per person) 1
 - Average age: 39.6 years
 - Median age: 35.5 years

Figure 5: Number of Naloxone incidences by month in Ingham County, 2017- 2018*



Source: City of Lansing Fire Department/EMS

*Data is current as of 6/6/2018

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Table 3: Naloxone incidence by Demographic Characteristics, City of Lansing 2018*

Characteristic	Count	Percent
Sex		
Male	69	63.9%
Female	39	36.1%
Missing	0	0.0%
Age Group		
<15	0	0.0%
15-24	16	14.8%
25-34	36	33.3%
35-44	22	20.4%
45-54	10	9.3%
55-64	19	17.6%
≥65	5	4.6%
Missing	0	0.0%
Race		
White	49	45.4%
Black	12	11.1%
Other Race	0	0.0%
Missing	47	43.5%
Total	108	100.0%

Source: City of Lansing Fire Department/EMS 2018

*Data is current as of 6/06/2018

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Law Enforcement Data

Sources: East Lansing Police Department, Drug Overdose Incidents Tri -County Area and Lansing Police Department (Lansing only), as of May. 09, 2018

- 94 drug overdose incidents:
 - 79 survived
 - 15 died
- Average age: 33.8 years
- Median age: 32 years

Table 4: Number of drug overdose-related cases (including overdose-related deaths) by law enforcement jurisdiction and month of incident, Tri-County Area 2018*

Jurisdiction	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year to Date
Bath Twp													0
Charlotte PD													0
CCSD	1												1
Delhi Twp													0
DeWitt Twp PD	1												1
ECSD													0
ECSO													0
E. Lansing PD	1		1	1									3
Ingham County Sheriff Office (ICSO)													0
ICSD		4											4
ICSO/ Leslie													0
Lansing PD	15	17	31	19	1								83
Lansing Charter Twp PD													0
Mason/ICSO Assist													0
Meridian Charter Twp PD		1	1										2
MSU PD													0
Total	18	22	33	20	1	0	0	0	0	0	0	0	94

Source: Ingham County law enforcement jurisdictions

Note: ICSO - Ingham County sheriff's office, ECSO - Eaton County sheriff's office, MTPD - Meridian Township Police Dept.

MSU PD - Michigan State University Police Dept.

Table 5: Number of drug overdose-related deaths by law enforcement jurisdiction and month of incident, Tri-County Area 2018*

Jurisdiction	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year to Date
Bath Twp													0
DeWitt Twp PD													0
CCSD	1												1
ELPD	1												1
ICSD													0
Lansing PD	3	3	4	3									13
Total	5	3	4	3	0	0	0	0	0	0	0	0	15

Source: Ingham County law enforcement jurisdictions

*Data is current as of 5/09/2018

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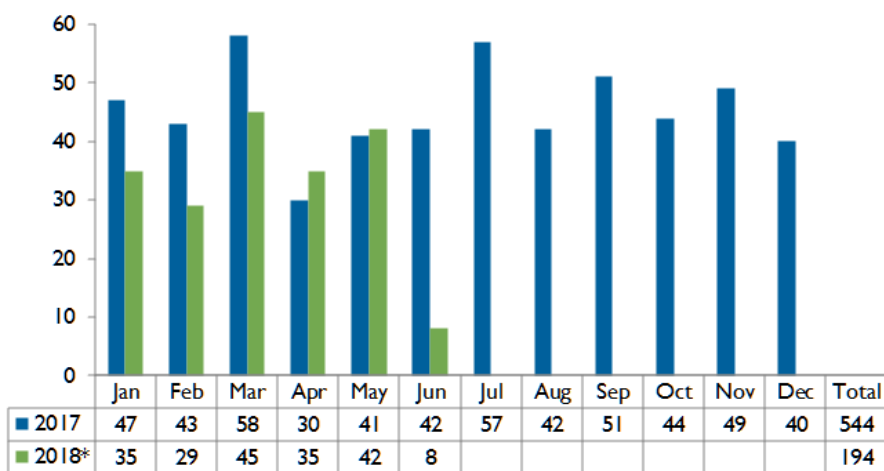
Emergency Department Visit Data

Source: Michigan Syndromic Surveillance System,

Data is current as of Jun. 22, 2018

- Total of 194 drug overdose-related visits
 - Average age : 34.8 years
 - Median age: 32.5 years

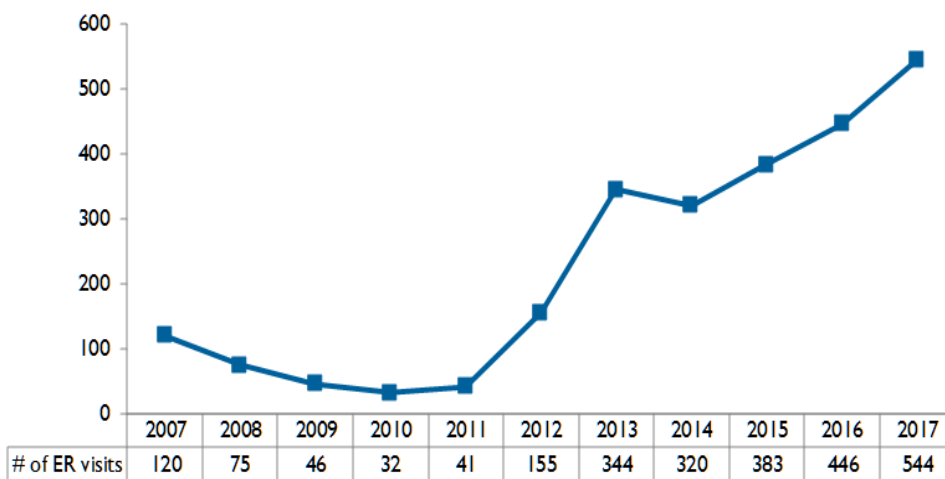
Figure 6: Number of Overdose-related emergency department visits* by month, Ingham County 2017- 2018 *



Source: Michigan Syndromic Surveillance System

*Numbers are based on emergency department visit (chief complaints) and before any confirmed diagnoses are made.

Figure 7: Number of Overdose-related Emergency Department Visits Ingham County, 2007-2017



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Ingham County Opioid Surveillance

Ingham County Department of Health and Human Services (DHHS)

Source: Department of Health and Human Services (DHHS)

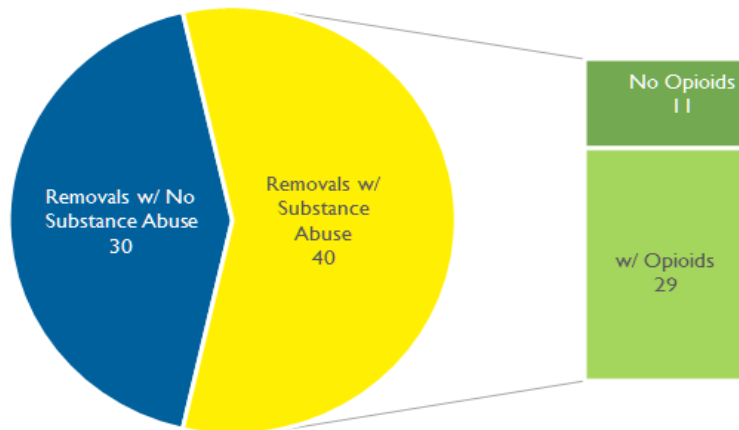
Data is current as of May, 2018

- Total of 70 child removals (115 children)
- 40 removals involved substance abuse
- 11 removals involved opioids
- On average 8 removals per month involve substance abuse

Table 6: Number of Removals by Month, Ingham County 2018*

Child Removals	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Year to Date
Total Removals	19	12	17	11	11								70
Substance Abuse	7	8	10	8	7								40
Opioids	1	1	3	2	4								11
Non-Opioids	6	7	7	6	3								29
No Substance Abuse	12	4	7	3	4								30

Figure 8: Total Number of Removals by Substance Abuse, Ingham County 2018*



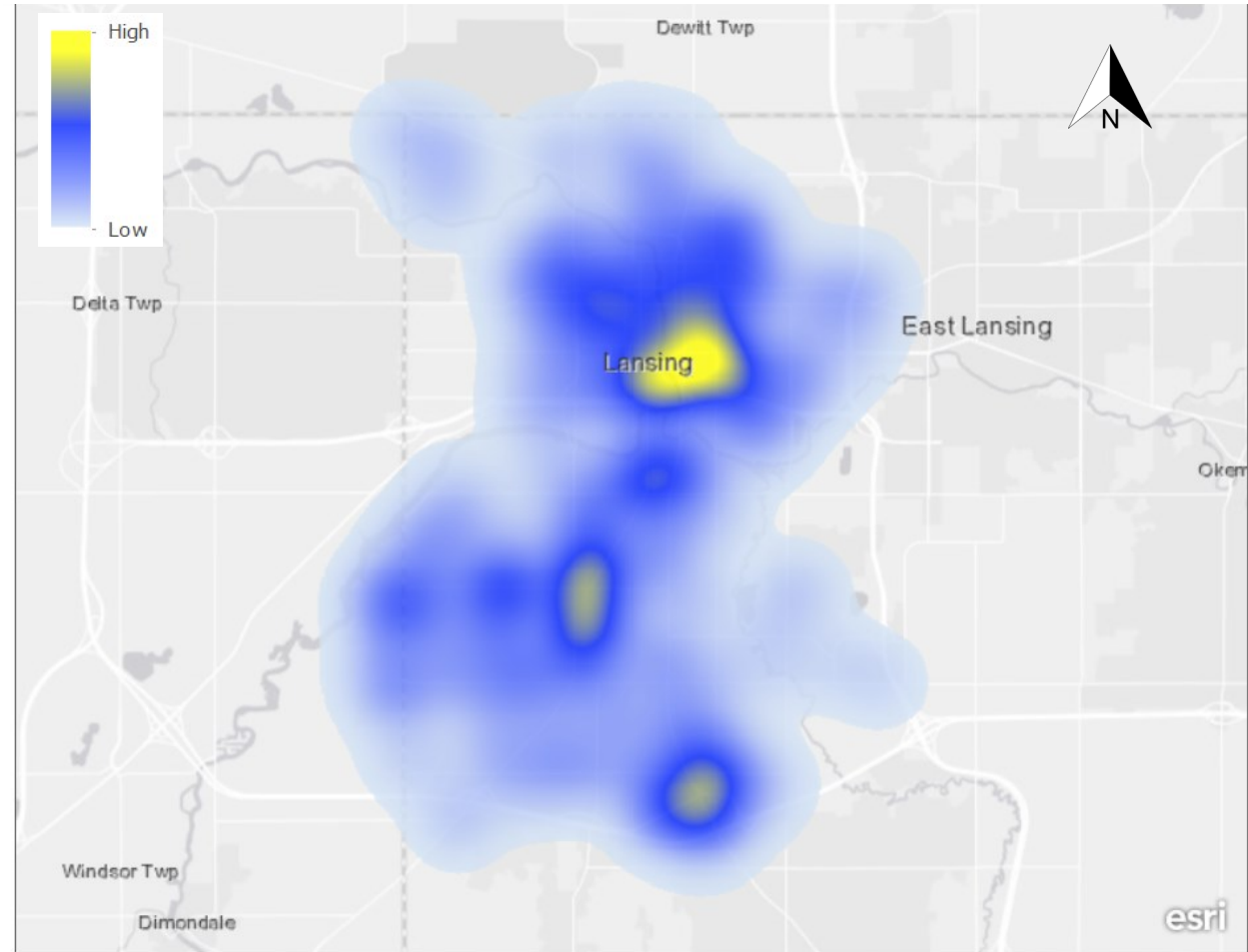
Total DHHS Removals = 70

Source: Ingham County Department of Health and Human Services (DHHS)

*Data is current as of May, 2018

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Figure 9: Density Heat map of Administered Naloxone Doses in Ingham County, 2017



Esri, HERE, Garmin, NGA, USGS, NPS | Esri, HERE, NPS