



Public Health
Prevent. Promote. Protect.

OPIOID ADDICTIONS OUTBREAK: A PUBLIC HEALTH CRISIS

University at Buffalo
The State University of New York
Department of Family Medicine

Gale R Burstein, MD, MPH, FAAP
Erie County Commissioner of Health
Clinical Professor of Pediatrics
Jacobs School of Medicine and Biomedical Sciences
Buffalo, New York





**Erie County
Department of
Health**



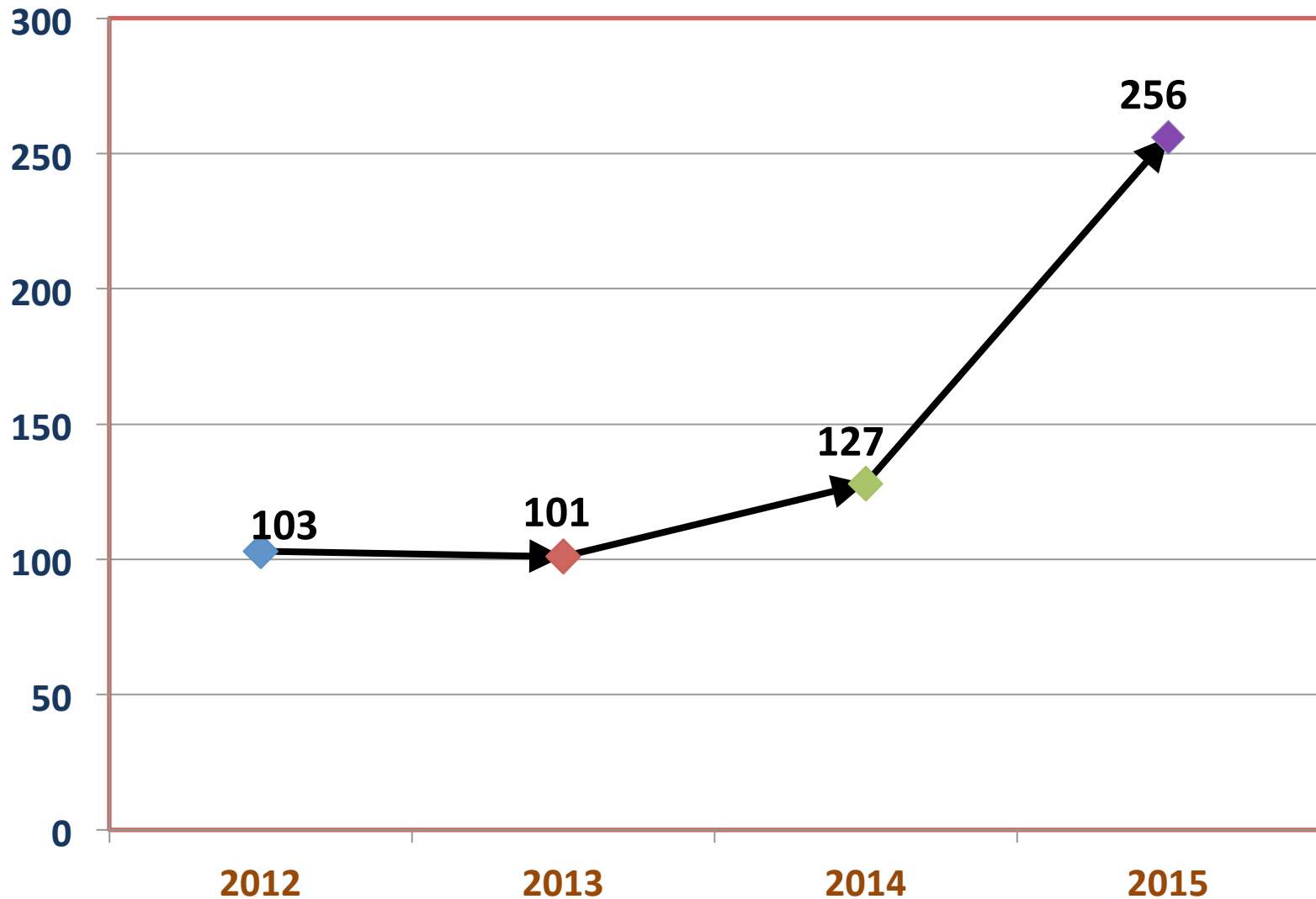
Public Health
Prevent. Promote. Protect.

OPIOID RELATED DEATHS ERIE COUNTY

As of 4/16/2019

2012 – 2015 OPIOID DEATHS

ERIE COUNTY



Rapid Evaluation & Appropriate Placement (REAP)	Family Support Heroin Opiate Prevention Engagement Project (H.O.P.E.)	Community Education	Provider Education & Policy Reform	Hospitals & Emergency Departments	Naloxone Access	Treatment Providers
Dan Rinaldo NYNJ High Intensity Drug Trafficking Area (HIDTA)	Debra Smith Mother & Erie County Probation Officer	Barbara Burns Public Affairs Officer US Attorney's Office Western Region of NY	Dr. Gale Burststein Erie County Commissioner of Health Dr. Paul Updike, Med. Director, STAR Program Catholic Health	Dr. Joshua Lynch Director, Pre-Hospital Care Millard Fillmore Suburban Hospital	Cheryll Moore Medical Care Administrator ECDOH	Michael Ranney Erie County Commissioner of Mental Health

Mission:

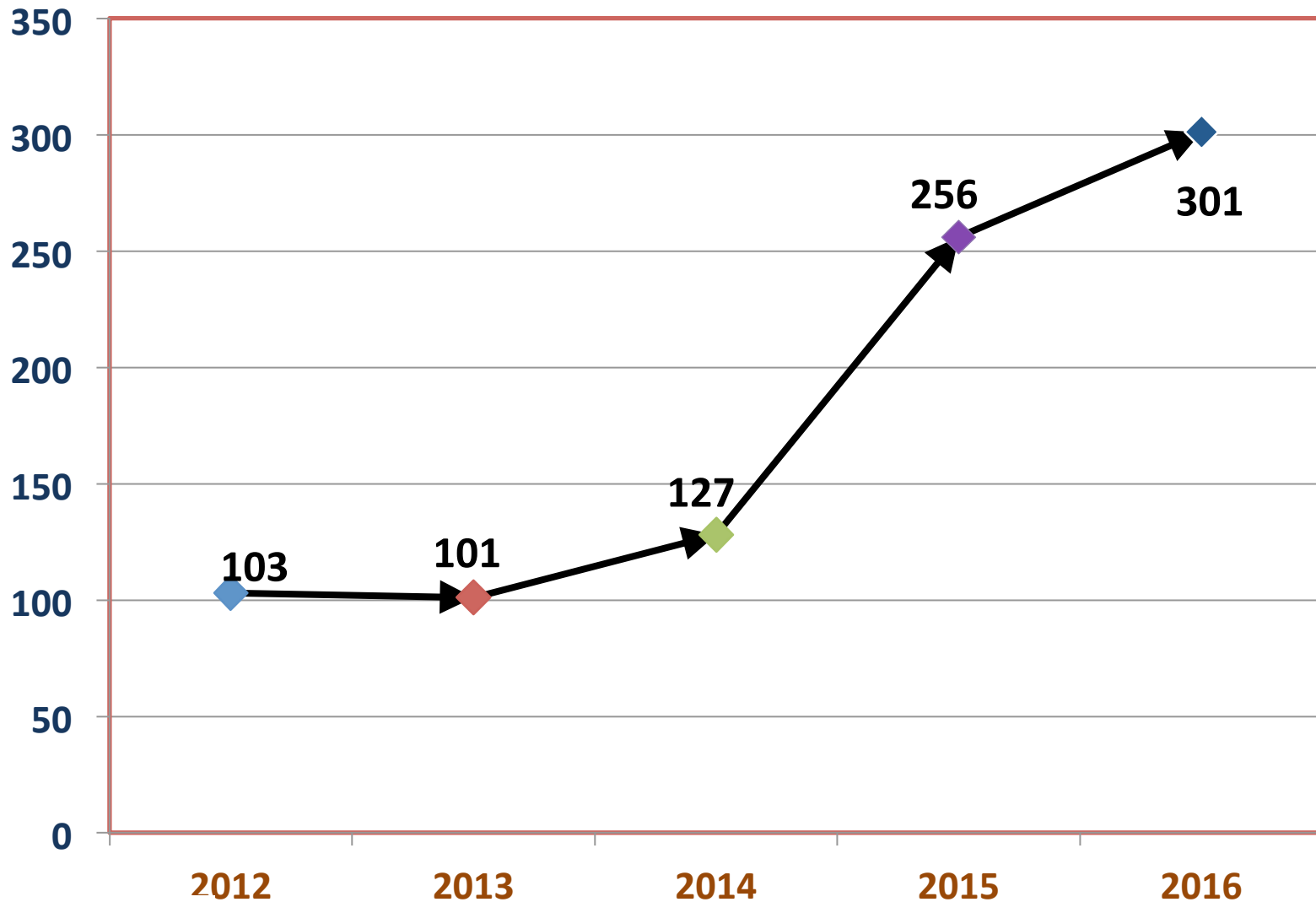
To provide a framework for organizations and individuals from across the opiate overdose continuum to collaborate, develop, and share best practices to provide for timely sharing of information.



24 Hour Addiction Hotline
716-831-7007

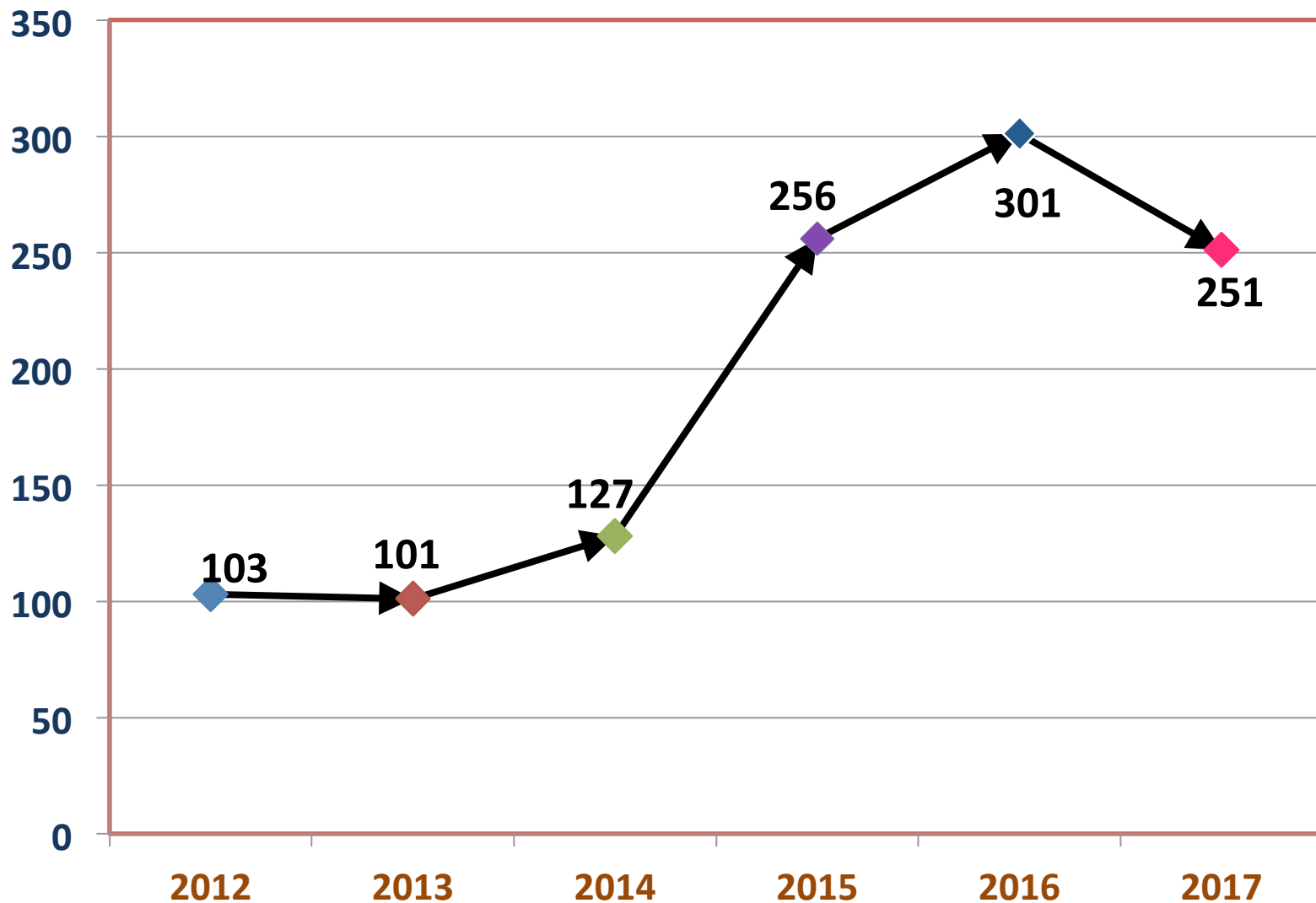
2012 – 2016 OPIOID DEATHS

ERIE COUNTY



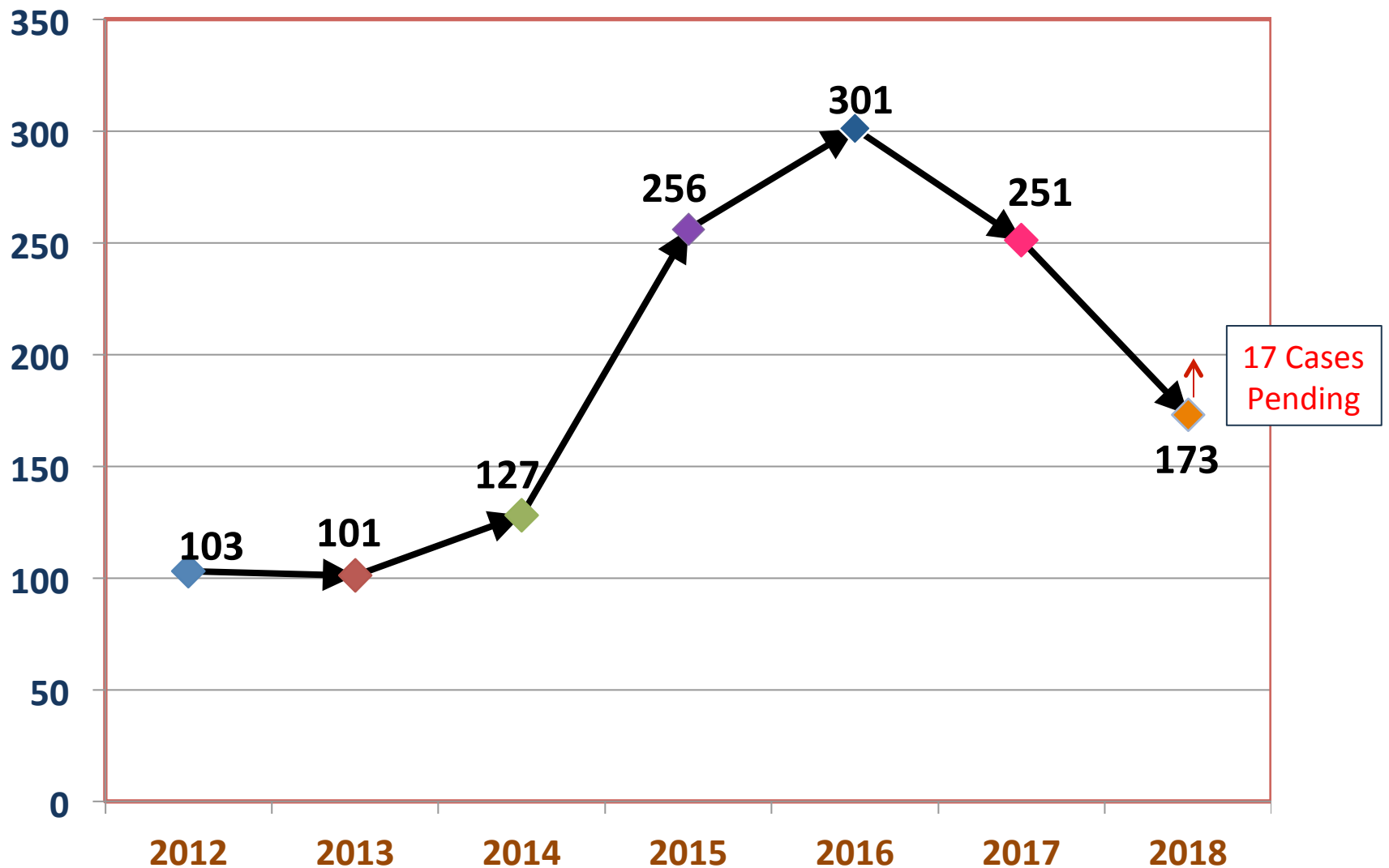
2012 – 2017 OPIOID RELATED DEATHS

ERIE COUNTY



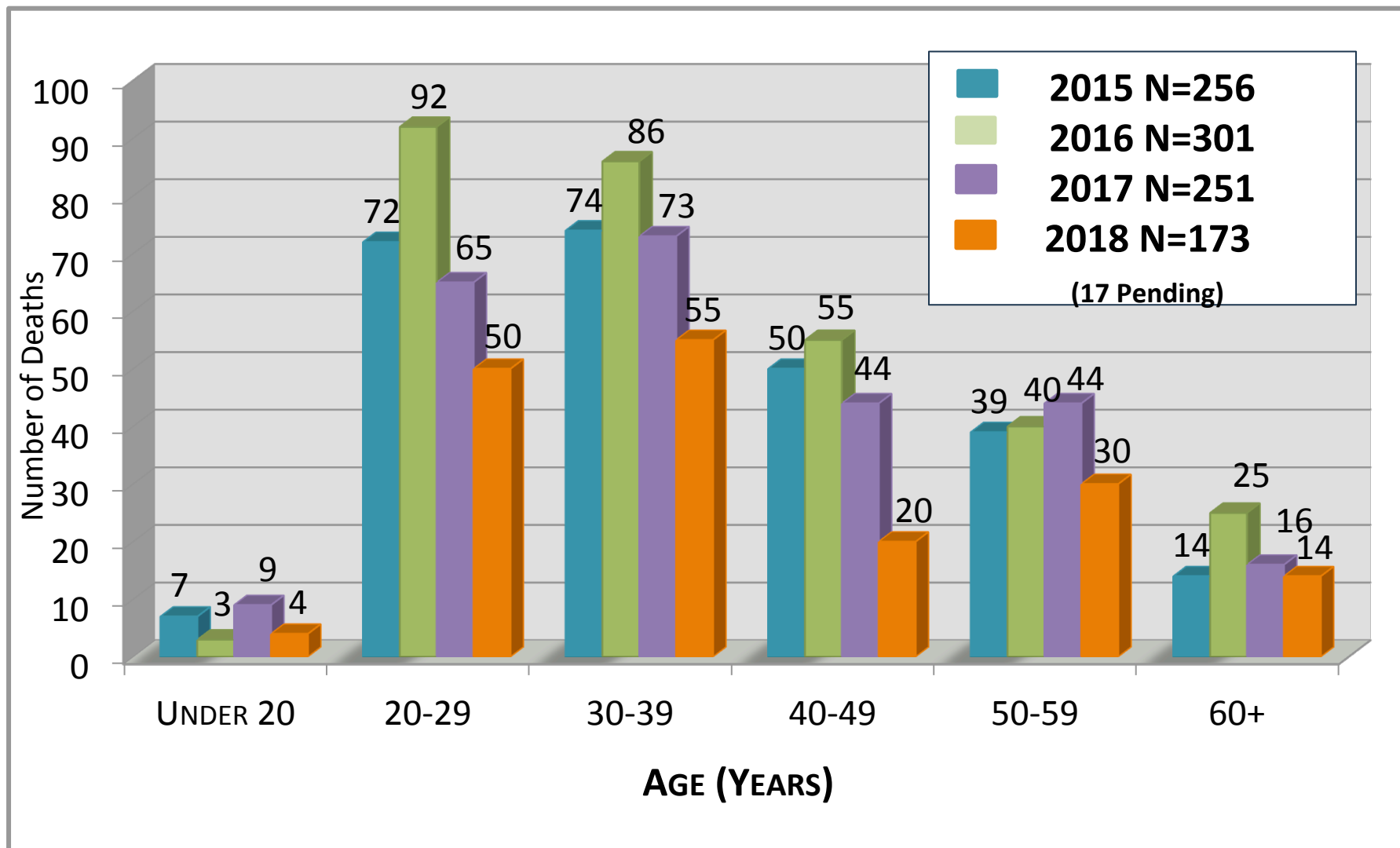
2012 – 2018 OPIOID RELATED DEATHS

ERIE COUNTY



SOURCE: ERIE COUNTY MEDICAL EXAMINERS OFFICE, *CLOSED CASES REPORTED THRU 4/16/2019

2015 – 2018 ERIE COUNTY OPIOID RELATED DEATHS BY AGE



SOURCE: ERIE COUNTY MEDICAL EXAMINERS OFFICE, *CLOSED CASES REPORTED THRU 4/16/2019

2017 CENSUS ESTIMATES

ERIE COUNTY, NEW YORK

	Number	Percent
Total Population	925,528	100
Race		
White	745,201	80.5
Black or African American	135,003	14.6
Asian or Pacific Islander	37,604	4.1
American Indian or Alaska Native	7,720	0.8
Gender		
Female	477,561	51.6
Male	447,967	48.4
Age		
15-19	59,044	6.4
20-29	131,964	14.3
30-39	116,121	12.5
40-49	105,712	11.4
50-59	132,817	14.4
60-69	115,115	12.4
70+	110,453	11.9

Opioid Death Statistics

2018*: 79% White

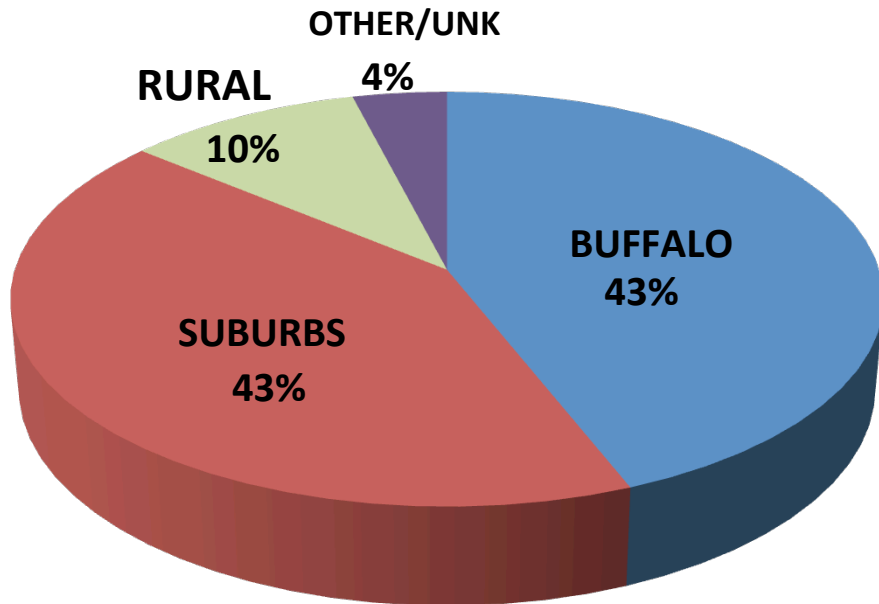
2018*: 71% Male

2018*: 60% 20-39 years of age

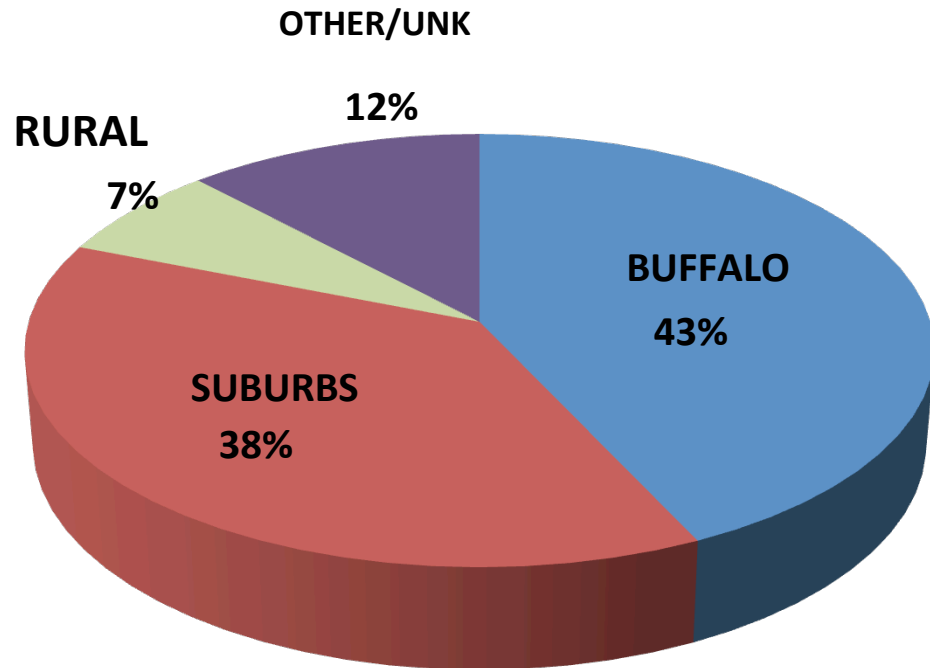
*2018 Preliminary Data – As of 4/16/2019

2017 - 2018 ERIE COUNTY OPIOID RELATED DEATHS BY RESIDENCE

2017
N = 251



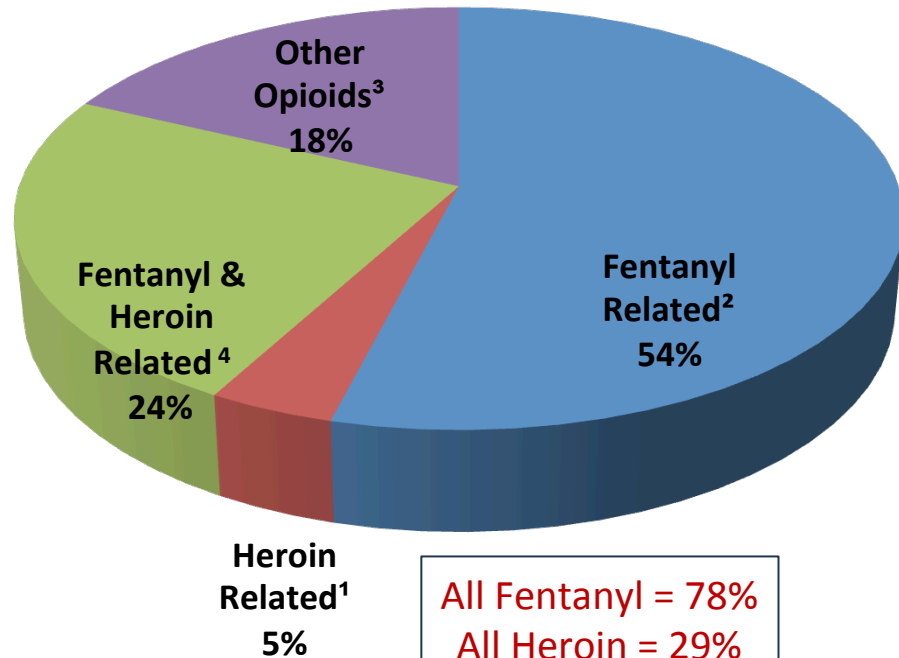
2018
N = 173
17 Pending



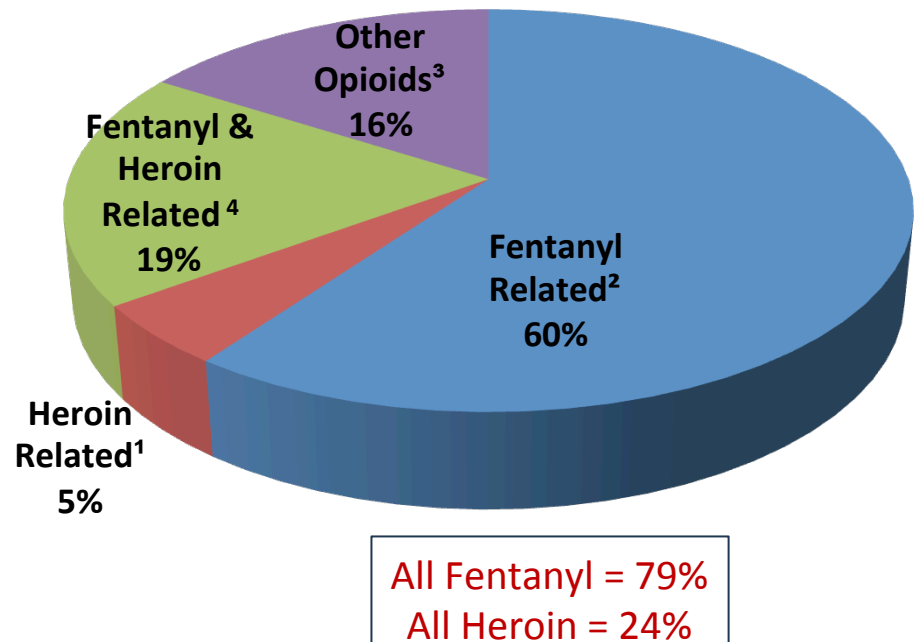
2017 AND 2018 ERIE COUNTY OPIOID RELATED DEATHS

BY TYPE OF OPIOID

2017
N=251



2018
N=173
(17 Pending)



¹ NO FENTANYL; POSSIBLE OTHER DRUGS INVOLVED

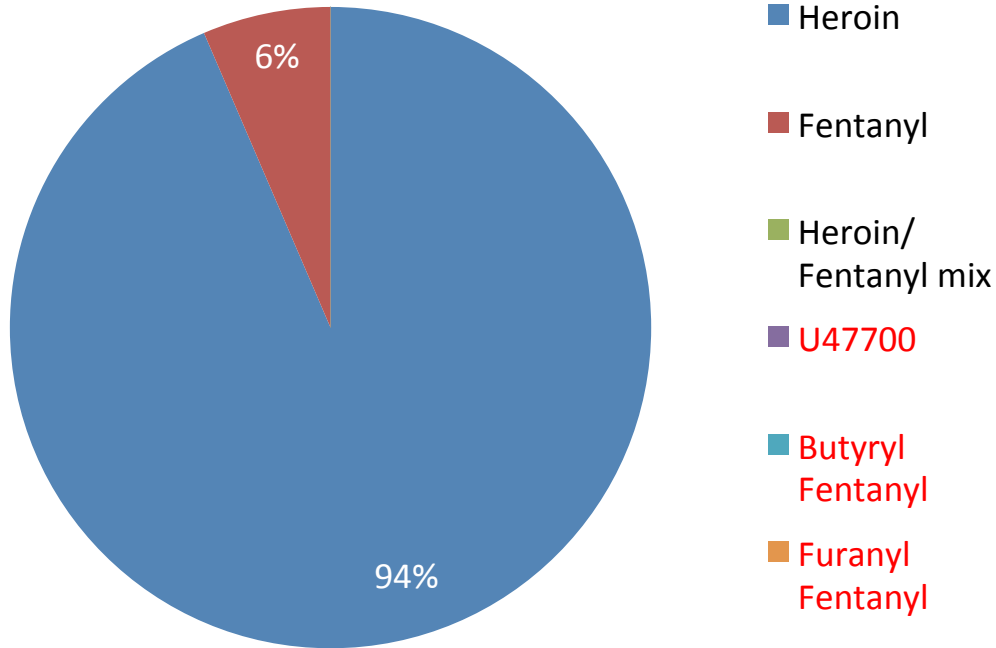
² NO HEROIN; POSSIBLE OTHER DRUGS INVOLVED

³ NO FENTANYL OR HEROIN; POSSIBLE OTHER DRUGS INVOLVED

⁴ POSSIBLE OTHER DRUGS INVOLVED

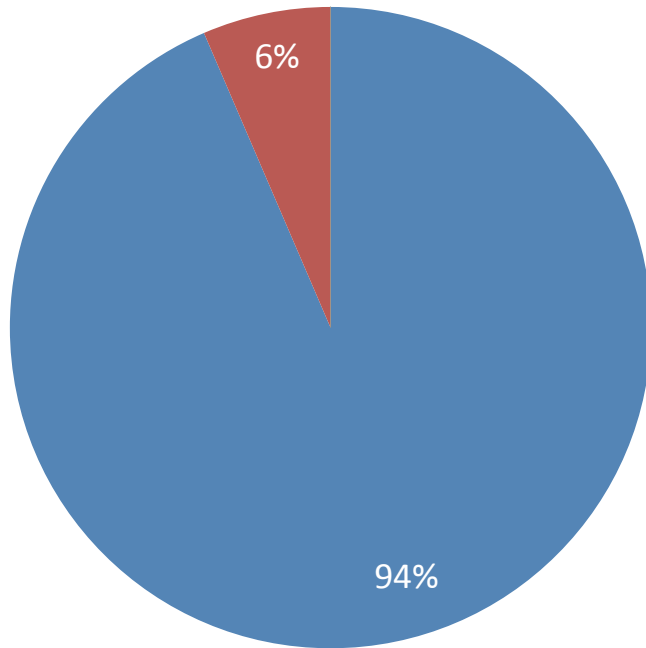
Erie County CPS Forensic Lab

2014



Erie County CPS Forensic Lab

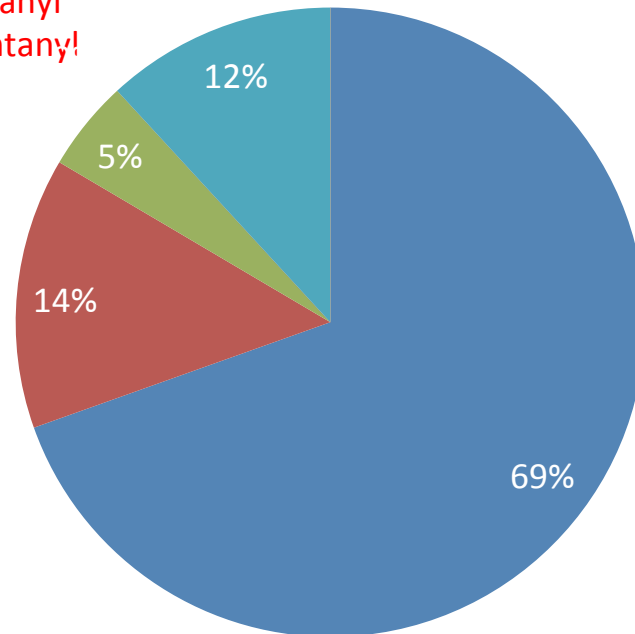
2014



- Heroin
- Fentanyl
- Heroin/
Fentanyl mix
- U47700

- Butyryl
Fentanyl
- Furanyl
Fentanyl

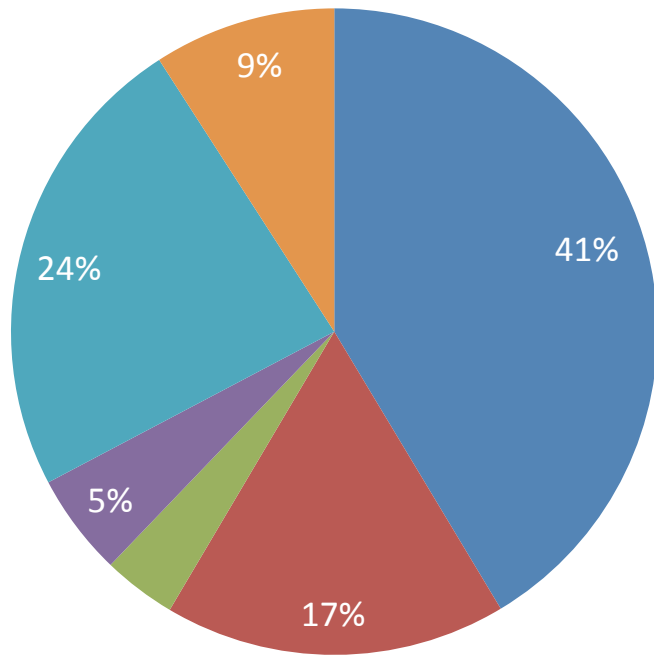
2015



- Heroin
- Fentanyl
- Heroin/Fentanyl
mix
- U47700
- Butyryl Fentanyl
- Furanyl Fentanyl

Erie County CPS Forensic Lab

2016



Heroin

Fentanyl

Heroin/Fentanyl
mix

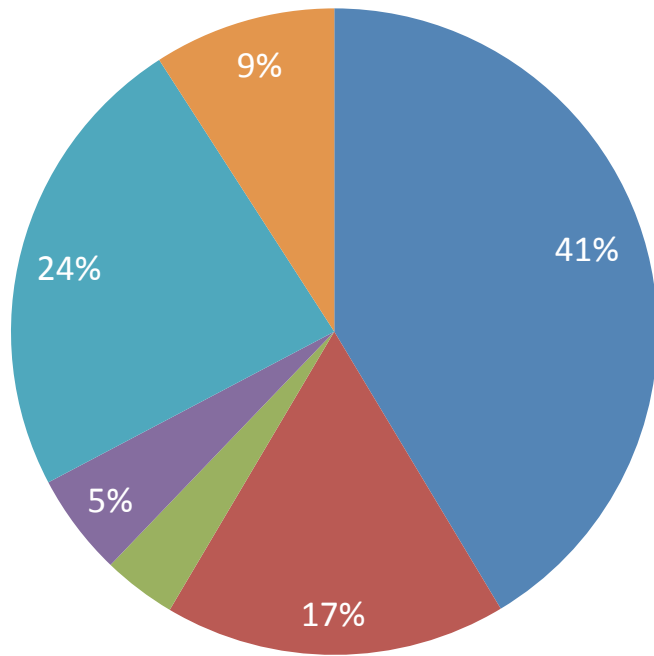
U47700

Butyryl Fentanyl

Furanyl Fentanyl

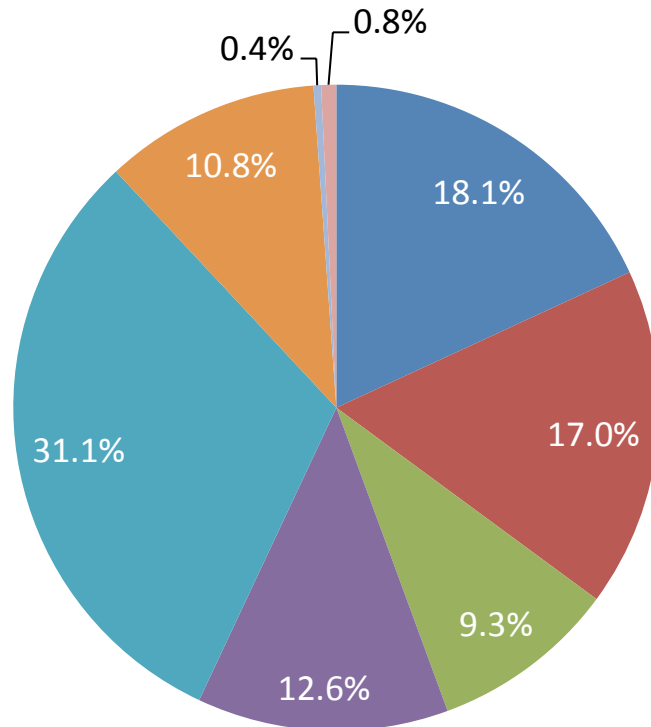
Erie County CPS Forensic Lab

2016



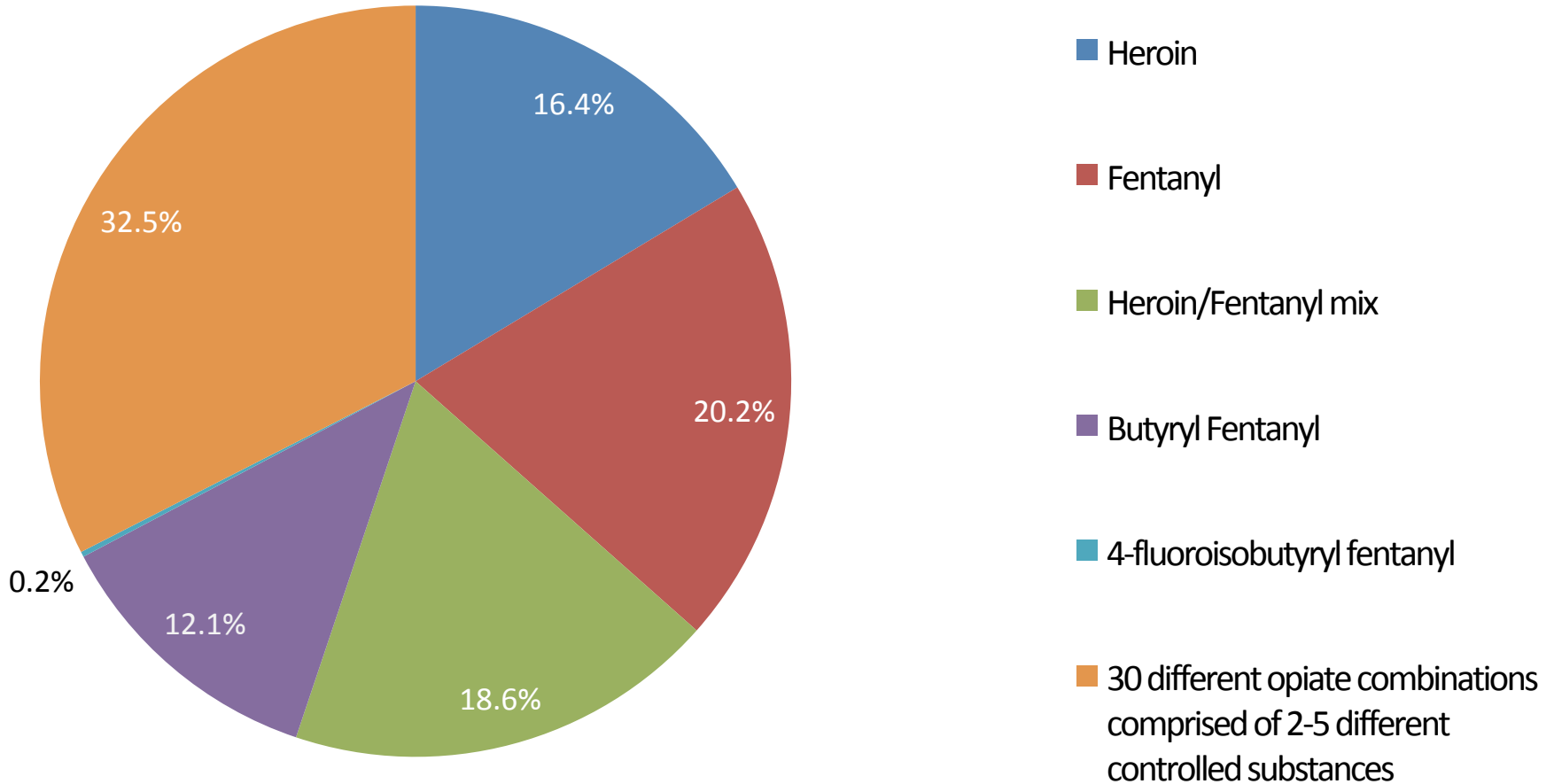
- Heroin
- Fentanyl
- Heroin/Fentanyl mix
- U47700
- Butyryl Fentanyl
- Furanyl Fentanyl

2017



- Heroin
- Fentanyl
- Heroin/Fentanyl mix
- U47700
- Butyryl Fentanyl
- Furanyl Fentanyl
- Acetyl Fentanyl
- 4-fluororisobutyryl fentanyl

2018 Erie County CPS Forensic Lab



The 30 different opiate combinations contain mixtures of 2-5 the following substances in a single exhibit (other than heroin combined with fentanyl): cocaine, heroin, fentanyl, butyryl fentanyl, furanyl fentanyl, acetyl fentanyl, U47700, tramadol, 4-Fluoroisobutyryl fentanyl and 4-Anilino-N-phenethylpiperidine.

OTHER HEALTH CONSEQUENCES

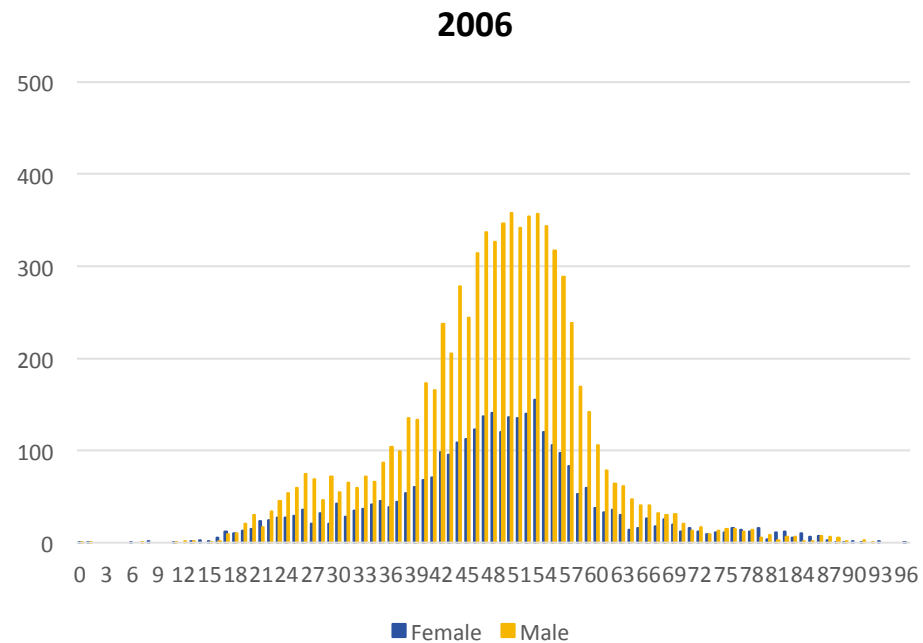
Hepatitis C Virus (HCV)

Hepatitis A Virus (HAV)

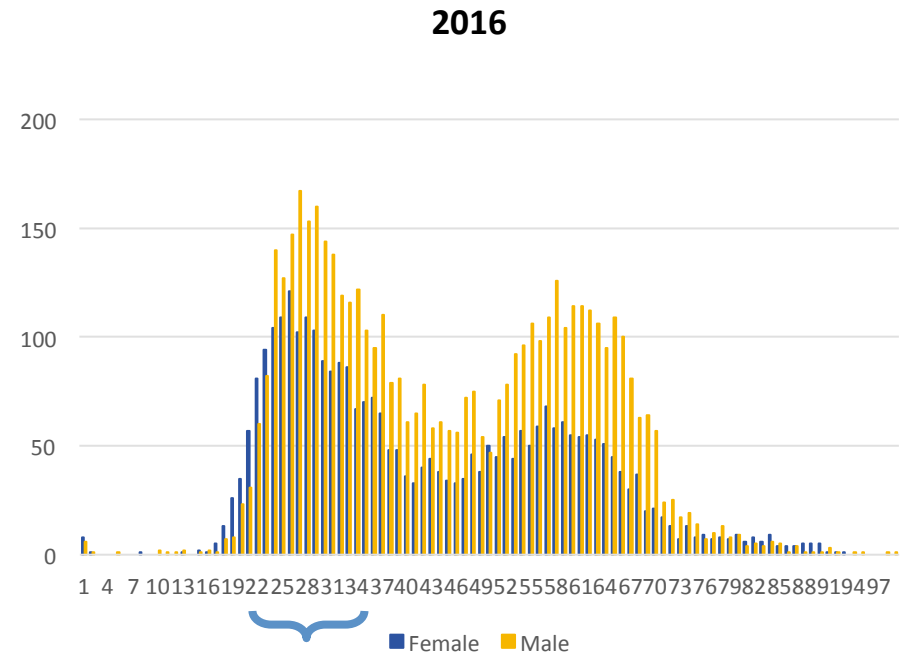
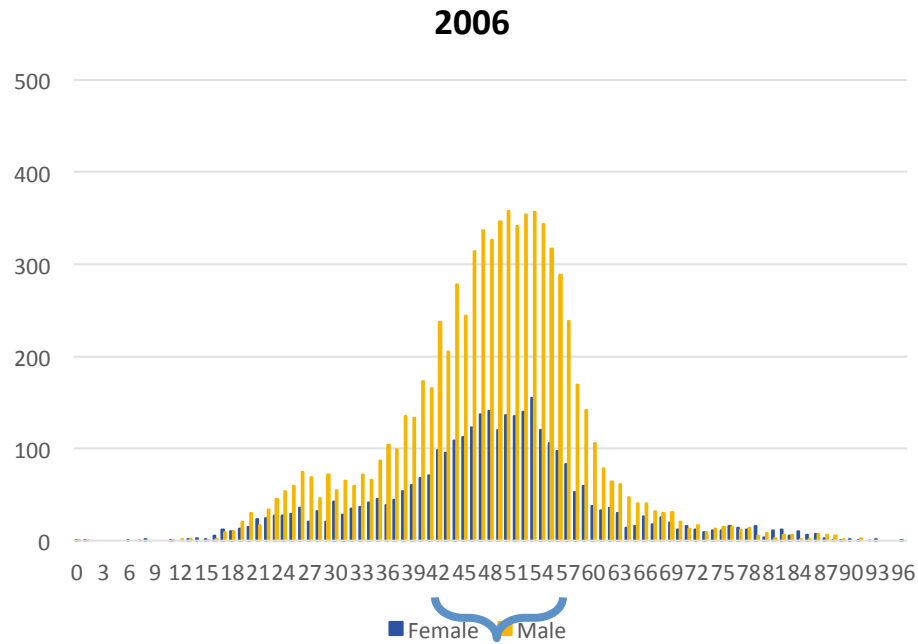
Hepatitis C (HCV)

- #1 killer infectious disease
- Opioid use contributed to ~ tripling of # HCV infections between 2010 and 2016
- In 2016 NYS, injection drug use was risk factor for 90% of HCV <30 yrs

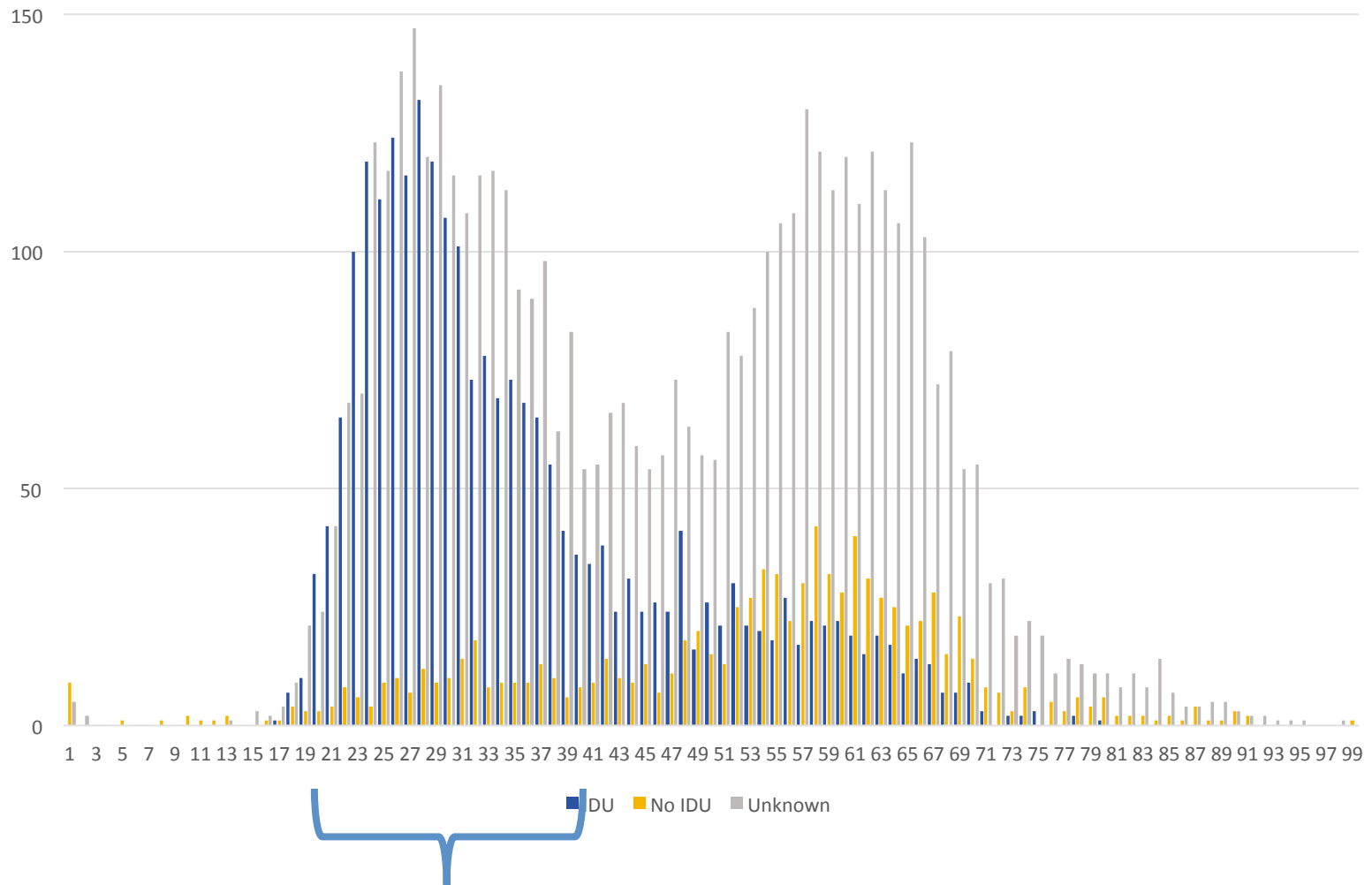
Total Hepatitis C by Age, Sex and Year, NYS (Excluding NYC)



Total Hepatitis C by Age, Sex and Year, NYS (Excluding NYC)

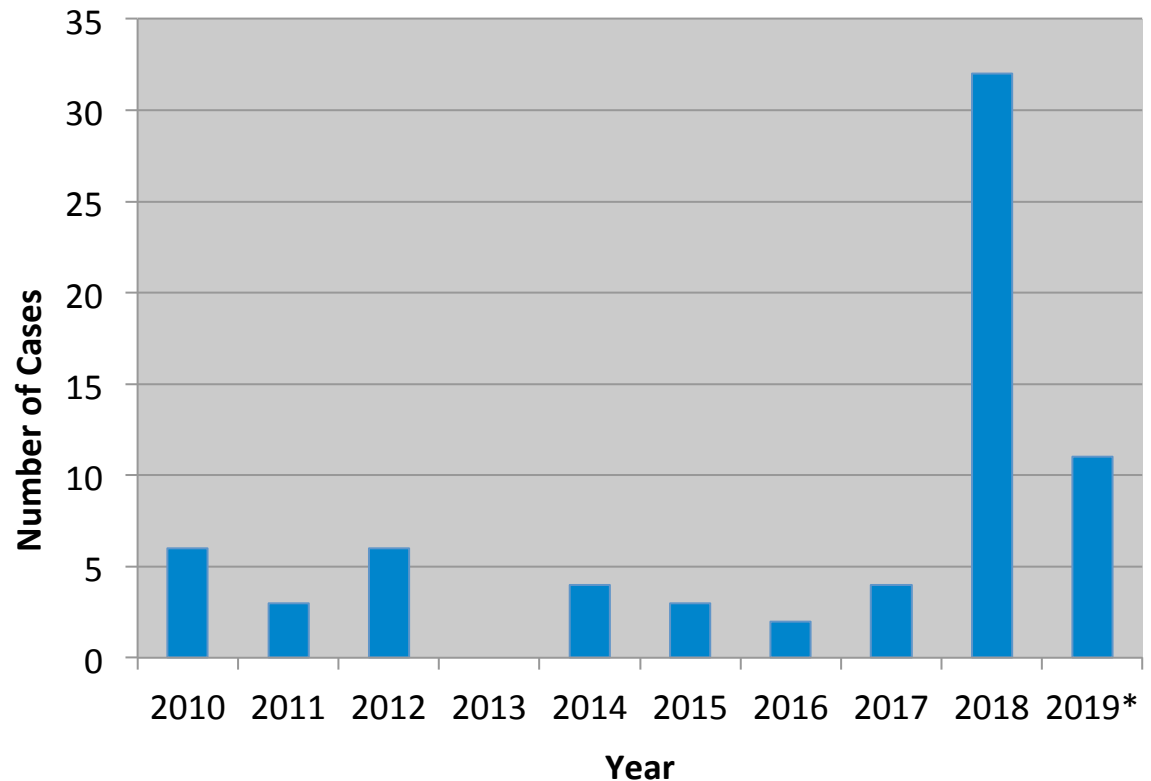


Total Hepatitis C: NYS (Excluding NYC) by Age & Injection Drug Use (IDU), 2016



Erie County Hepatitis A Cases 2010 – 2019*

Year	Cases
2010	6
2011	3
2012	6
2013	0
2014	4
2015	3
2016	2
2017	4
2018	32
2019*	11



- % cases reported IVDU or recreational drug use (including alcohol abuse)
 - 2018: 16 (50%)
 - 2019: 5 (45%)

*2019 Data as of 4/23/2019

Rapid Evaluation & Appropriate Placement (REAP)	Family Support Heroin Opiate Prevention Engagement Project (H.O.P.E.)	Community Education	Provider Education & Policy Reform	Hospitals & Emergency Departments	Naloxone Access	Treatment Providers
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24 Hour Addiction Hotline
716-831-7007

Responding to the Heroin Epidemic



PREVENT People From Starting Heroin

Reduce prescription opioid painkiller abuse.

Improve opioid painkiller prescribing practices and identify high-risk individuals early.



REDUCE Heroin Addiction

Ensure access to Medication-Assisted Treatment (MAT).

Treat people addicted to heroin or prescription opioid painkillers with MAT which combines the use of medications (methadone, buprenorphine, or naltrexone) with counseling and behavioral therapies.



REVERSE Heroin Overdose

Expand the use of naloxone.

Use naloxone, a life-saving drug that can reverse the effects of an opioid overdose when administered in time.

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ODMAP



ODMAP 2.0

a project of the Washington/Baltimore HIDTA

Legend

Layer List

Suspected Overdoses

- Fatal: No Naloxone
- Fatal: Single Dose Naloxone
- Fatal: Multiple Doses Naloxone
- Non-Fatal: No Naloxone
- Non-Fatal: Single Dose Naloxone
- Non-Fatal: Multiple Doses Naloxone

Total Count

Total Suspected Overdoses

22 ODs

Counters default to last 24 hours when no filters are set

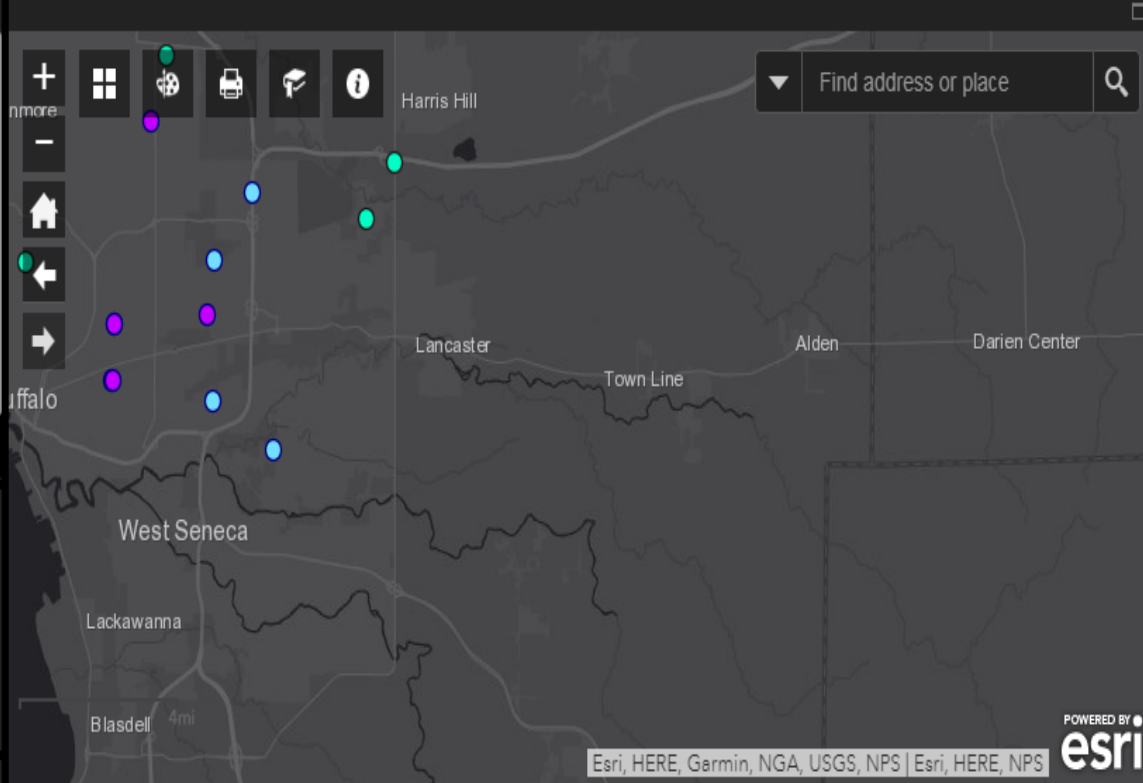
Fatal Count

Fatal

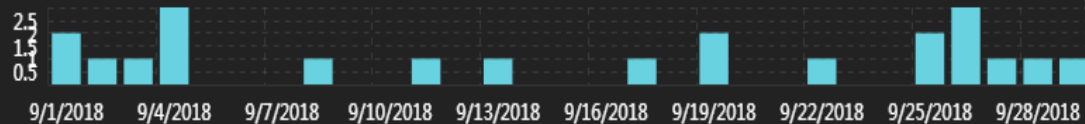
0

Naloxone Administration

16



Frequency Graph - Suspected ODs Per Day



First and last dates may be partial counts

Filters

Suspected Overdose Filters

Select a State

New York

Select a state from the drop-down list

Select a County Name

Erie

Selecting a state first will limit this list to just the counties in the selected state that have data submitted)

Incident Date is between

Sat Sep

and

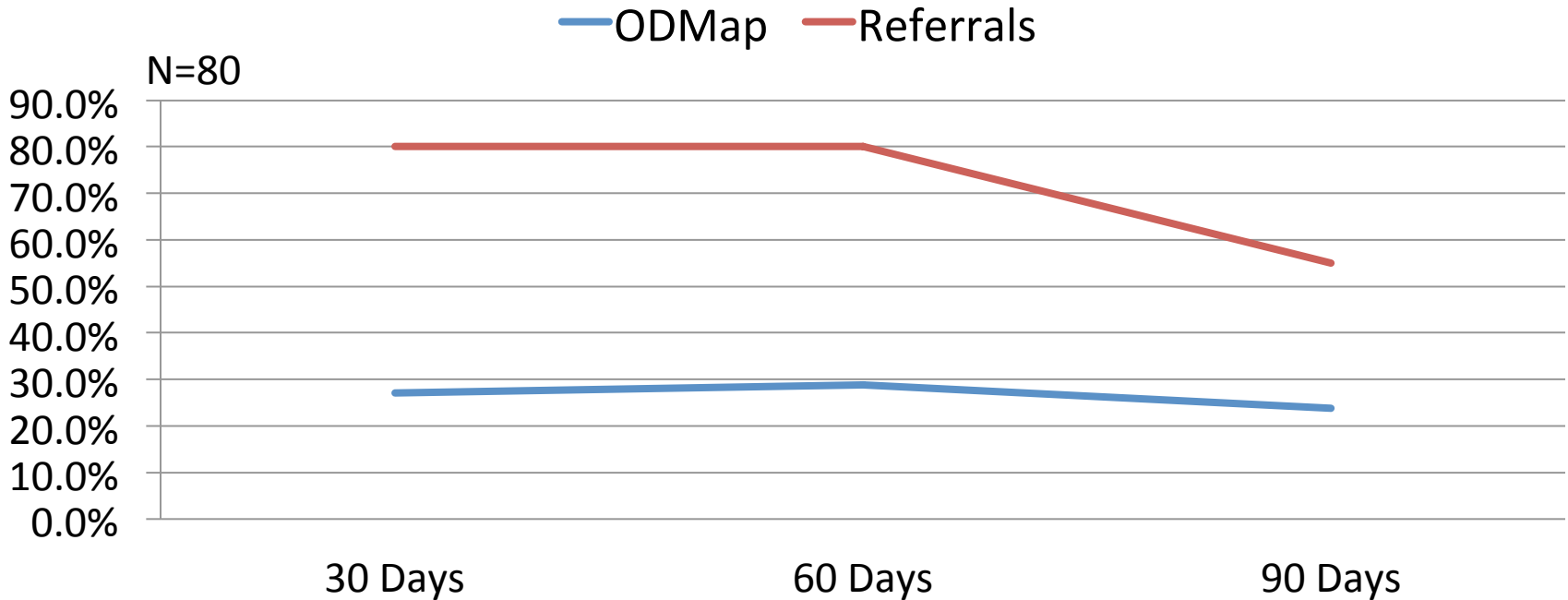
Sun Sep

Pie Chart - Counts By Type

Suspected Overdoses By Type

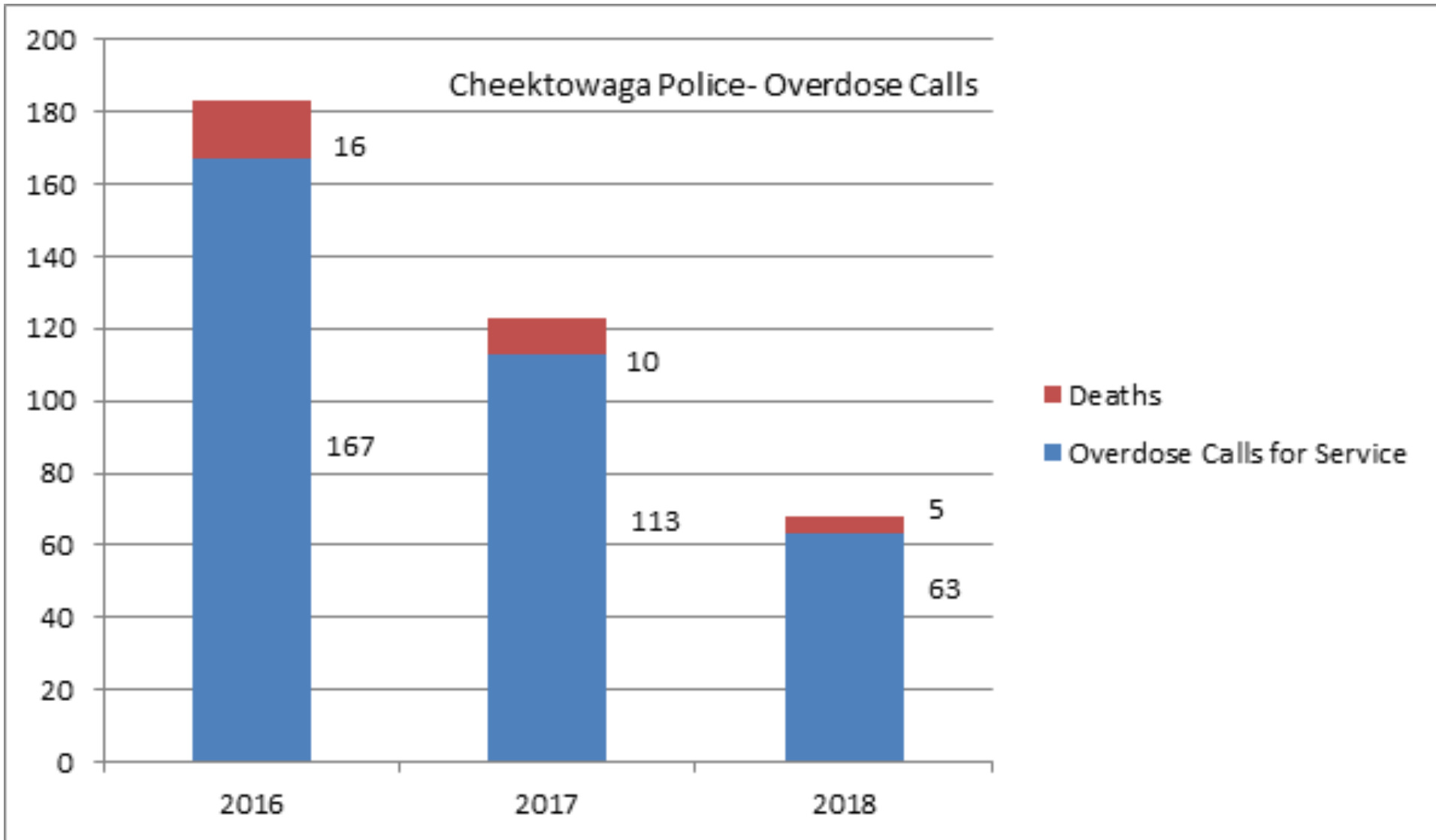


Client connected to care or in treatment



Public Health
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Cheektowaga Police OD Responses, 2016-2018



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**DON'T BE
THE NEXT *00*
ASK FOR HELP**



**Erie County
Update Epidemic
Task Force**



CALL 716-831-7007
24 Hour Hotline



HEART DISEASE = TREATABLE
DIABETES = TREATABLE
ADDICTION = TREATABLE



**Erie County
Update Epidemic
Task Force**



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The Medicaid Drugs in Erie County with the Most Filled Prescriptions are:

	2011	2012	2013	2014	2015	2016	2017	2018	2019 [^]
1	Hydrocodone-Acetaminophen	Hydrocodone-Acetaminophen	Hydrocodone-Acetaminophen	Hydrocodone-Acetaminophen	Hydrocodone-Acetaminophen	Ibuprofen	Atorvastatin Calcium	Atorvastatin Calcium	Atorvastatin Calcium
2	Ibuprofen	Ibuprofen	Ibuprofen	Ibuprofen	Ibuprofen	Omeprazole	Ibuprofen	Ibuprofen	Ibuprofen
3	Ventolin HFA	Omeprazole	Omeprazole	Omeprazole	Omeprazole	Hydrocodone-Acetaminophen	Omeprazole	Omeprazole	Gabapentin
4	Aspirin	Lisinopril	Lisinopril	Lisinopril	Lisinopril	Atorvastatin Calcium	Lisinopril	Lisinopril	Omeprazole
5	Omeprazole	Aspirin	Aspirin	Metformin HCL	Atorvastatin Calcium	Lisinopril	Metformin HCL	Ventolin HFA	Lisinopril
6	Lisinopril	Ventolin HFA	Ventolin HFA	Ventolin HFA	Ventolin HFA	Metformin HCL	Ventolin HFA	Gabapentin	Metformin HCL
7	Amoxicillin	Metformin HCL	Metformin HCL	Atorvastatin Calcium	Metformin HCL	Ventolin HFA	Hydrocodone-Acetaminophen	Metformin HCL	Amlodipine Besylate
8	Lorazepam	Amoxicillin	Amlodipine Besylate	Amlodipine Besylate	Amlodipine Besylate	Amlodipine Besylate	Amlodipine Besylate	Amlodipine Besylate	Levothyroxine Sodium
9	Metformin HCL	Lorazepam	Levothyroxine Sodium	Levothyroxine Sodium	Levothyroxine Sodium	Levothyroxine Sodium	Gabapentin	Levothyroxine Sodium	Hydrocodone-Acetaminophen
10	Amlodipine Besylate	Amlodipine Besylate	Amoxicillin	Aspirin	Gabapentin	Aspirin	Levothyroxine Sodium	Hydrocodone-Acetaminophen	Amoxicillin
11	Levothyroxine Sodium	Levothyroxine Sodium	Lorazepam	Amoxicillin	Aspirin	Amoxicillin	Amoxicillin	Vitamin D	Ventolin HFA
12	Clonazepam	Clonazepam	Atorvastatin Calcium	Gabapentin	Amoxicillin	Aspirin	Vitamin D	Setraline HCL	Vitamin D
All Prescriptions Filled	3,916	2,649	2,411	2,641	3,061	3,190	3,278,086	50,151	75,894
Just Above Scripts Filled	25,284	67,601	89,760	42,888	46,910	76,377	67,229	68,071	54,378
Percent of Total	19.47%	20.94%	20.25%	20.53%	21.30%	21.20%	20.35%	20.56%	19.90%

[^] 2019 data covers the period January 1, 2019 through March 30, 2019 and is not final.

Hydrocodone-Acetaminophen Scripts	80,287	77,454	69,676	69,568	78,177	68,337	56,829	47,367	10,001
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80,287

59%

47,367

		Medicaid Plus Encounter								
		Prescriptions Filled								
Drug Name	2019 ^A	2018	2017	2016	2015	2014	2013	2012	2011	
Belbuca	12	1	4	3	1	-	-	-	-	-
Buprenorphine	2,774	6,421	3,949	3,715	3,260	2,567	1,986	1,184	1,026	
Butrans	5	2	5	145	196	122	7	5	9	7
Suboxone	6,531	28,793	22,838	18,628	17,456	19,127	16,904			
Subutex	-	-	-	-	-	-	-	-	-	2
Zubsolv	1,324	5,602	4,930	4,325	4,385	1	9	7	-	-
Totals	10,646	40,909	31,900	26,874	25,223	21,842	18,976	17,036	17,602	
The drugs Sublocade and Bunavail had no filled prescriptions for the period shown.										
A - The figures for 2019 are for the period January 1, 2019 through March 31, 2019.										

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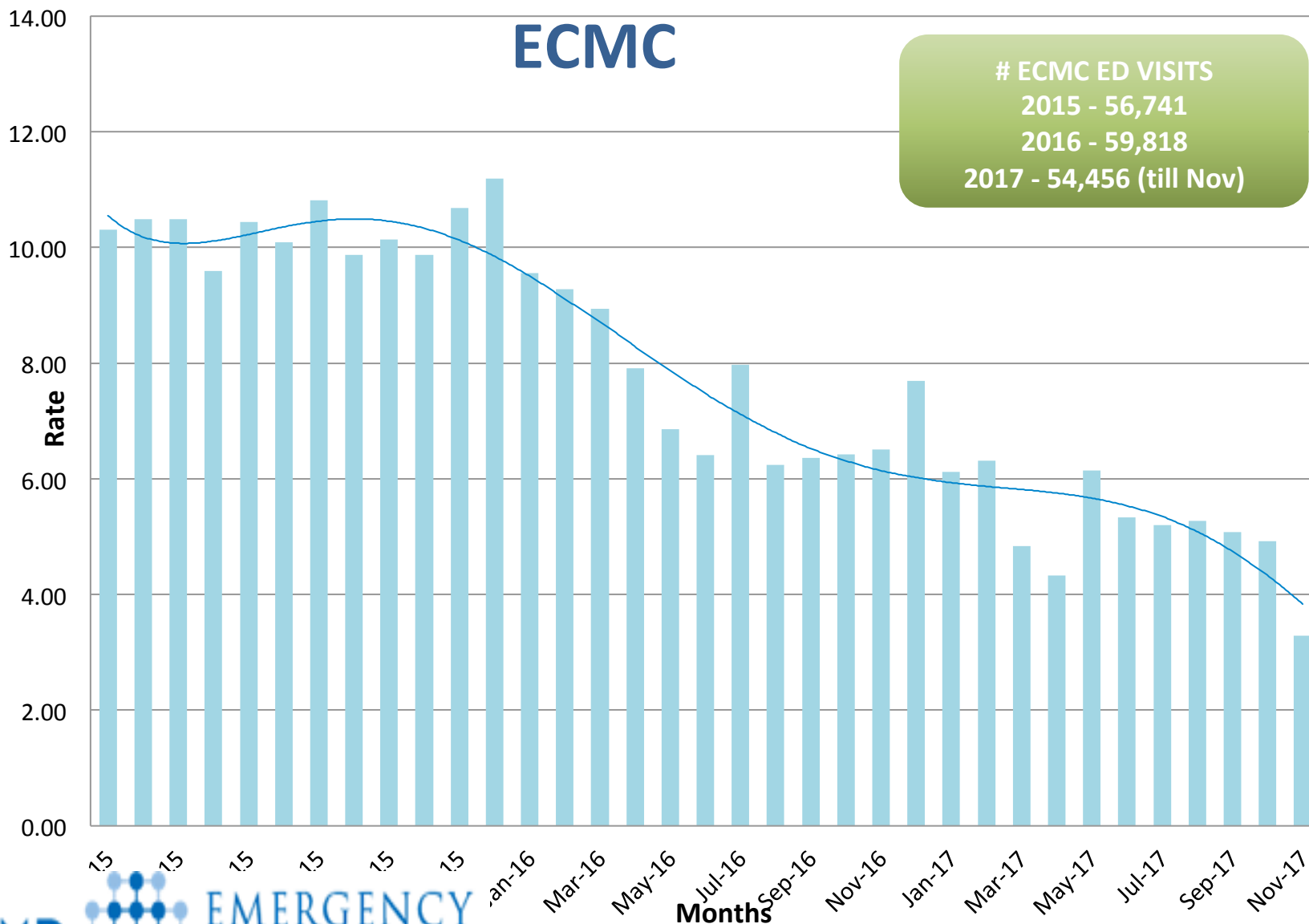


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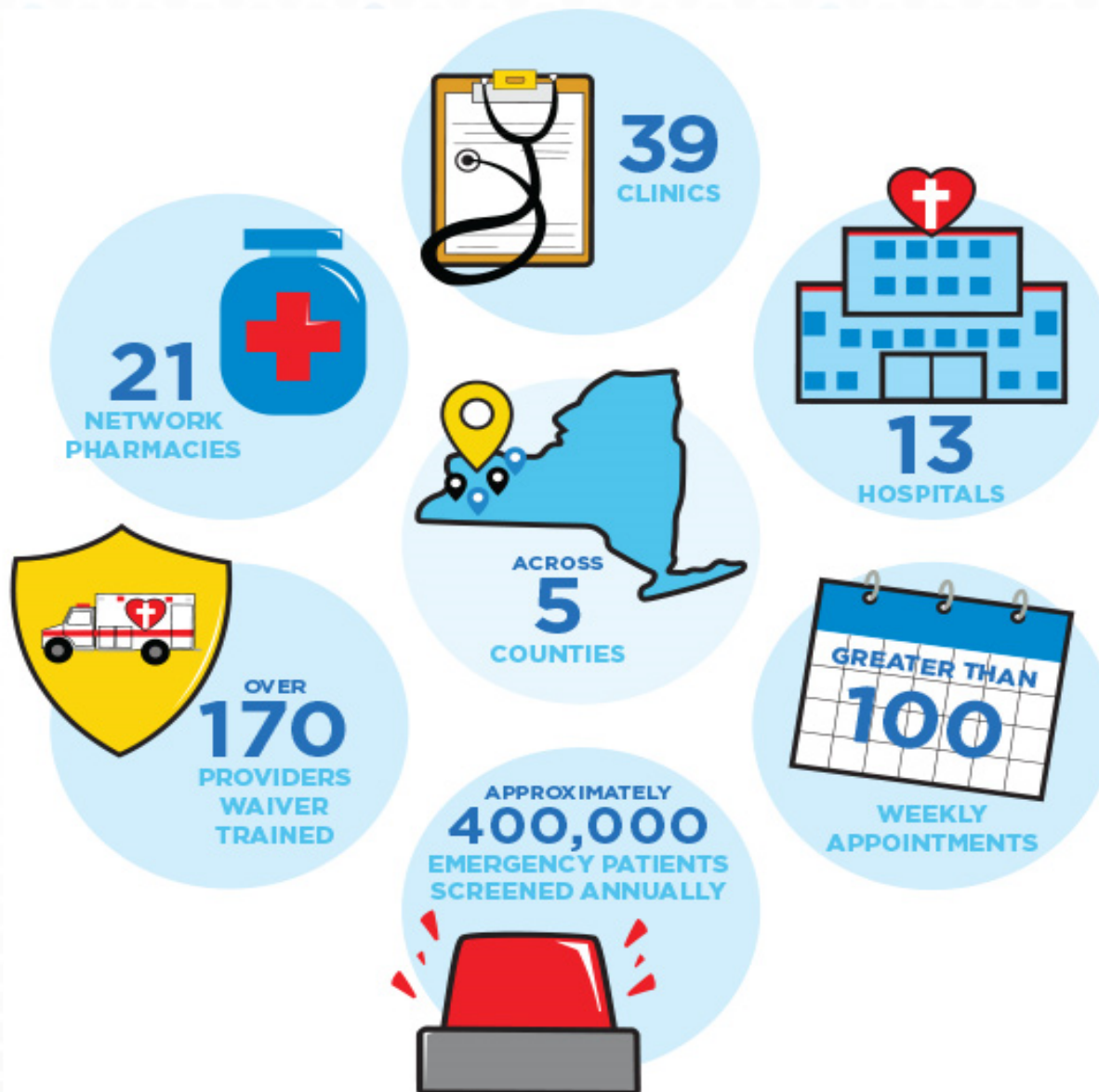
Rates* of ED Opioid Rx

ECMC

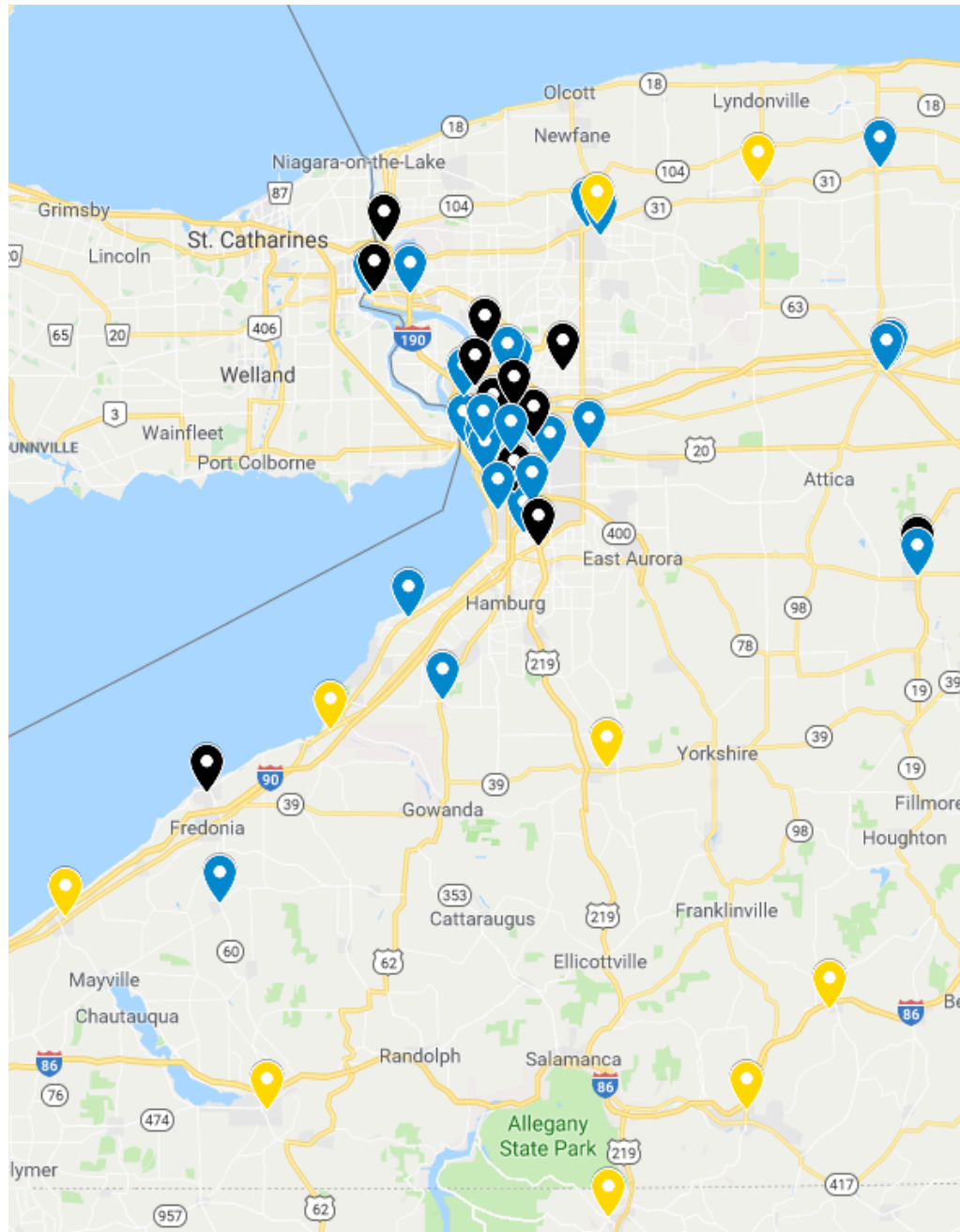
ECMC ED VISITS
2015 - 56,741
2016 - 59,818
2017 - 54,456 (till Nov)



Buffalo Matters



Participating & Future Hospitals & Clinics



MAP LEGEND:

Blue – current Clinic Partners

Black – current Hospital Partners

Yellow – future Hospital Partners

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Free Community Trainings in Opioid Overdose Recognition & Use of Naloxone for Reversal

Training Information

- The ECDOH provides training to Erie County residents on how to recognize and respond to an opioid overdose. This training includes how to use the aerosol version of naloxone (Narcan) to reverse the overdose.
- There is NO COST to attend this training. Participants must be at least 16 years old.
- Naloxone is a benign drug. If it is administered when an individual is not experiencing an opioid overdose, no harm will come to the patient.
- Upon completion of the training, participants will be able to recognize the signs & symptoms of an opioid overdose, administer naloxone (Narcan) properly and take necessary follow-up steps.

Training Schedule & Registration (click on link to register) - Online Registration & pre-registration is highly recommended as space is limited.

- [Wednesday April 24, 2019; 6:00 PM – 8:00 PM, Big Tree Volunteer Fire Co, 4112 Big Tree Road \(Enter on Bristol St\), Hamburg, NY 14075](#)
- [Monday, April 29, 2019; 6:00 PM – 8:00 PM, St Mark's Episcopal Church, 6595 East Quaker Street, Orchard Park, NY 14127](#)
- [Saturday, June 1, 2019; 9:00am--11:00am, St Peter's Episcopal Church, 205 Longmeadow Rd, Buffalo, NY 14226](#)
- [Thursday, June 20, 2019; 5:30pm--7:30pm, Buffalo & Erie County Public Library Central Library \(downtown\), 1 Lafayette Square, Buffalo, NY 14203](#)

Training Materials

- [Training Presentation](#) (PDF)
- [Naloxone Training and Overdose Reporting Form](#) (PDF)

Program Contact

Cheryll Moore
Medical Care Administrator
95 Franklin St., Room 911
Buffalo, NY 14202
Phone: (716) 858-7695
Fax: (716) 858-8701
Cheryll.Moore@erie.gov





DRUG/MEDICATION SIDE

NEEDLES/SYRINGES/SHARPS

the **POINT** →

Syringe Access; Drug and Syringe Disposal Locator

Scan this
code:



Or, go to www.thepointny.org
to find a location near you to:

- ♦ Obtain hypodermic needles and syringes without a prescription
- ♦ Safely dispose of syringes and needles in secure, anonymous kiosks
- ♦ Safely dispose of unwanted prescription and over-the-counter medications

Rapid Evaluation & Appropriate Placement (REAP)	Family Support Heroin Opiate Prevention Engagement Project (H.O.P.E.)	Community Education	Provider Education & Policy Reform	Hospitals & Emergency Departments	Naloxone Access	Treatment Providers
Dan Rinaldo NYNJ High Intensity Drug Trafficking Area (HIDTA)	Debra Smith Mother & Erie County Probation Officer	Barbara Burns Public Affairs Officer US Attorney's Office Western Region of NY	Dr. Gale Burstein Erie County Commissioner of Health Dr. Paul Updike, Med. Director, STAR Program Catholic Health	Dr. Joshua Lynch Director, Pre-Hospital Care Millard Fillmore Suburban Hospital	Cheryll Moore Medical Care Administrator ECDOH	Michael Ranney Erie County Commissioner of Mental Health

Mission:

To provide a framework for organizations and individuals from across the opiate overdose continuum to collaborate, develop, and share best practices to provide for timely sharing of information.



24 Hour Addiction Hotline
716-831-7007

OPIOID ADDICTION IS A CHRONIC DISEASE THAT REQUIRES CHRONIC MEDICATION

- Methadone
- Buprenorphine (Suboxone)
- Naltrexone (Vivitrol)



Welcome to Erie County, NY
Addiction Hotline

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We're here to help

716-831-7007

24 Hour Addiction Hotline

Our Addiction Hotline Counselors provide support and guidance for those struggling with addiction as well as family and friends needing support as they walk with their loved one who is addicted.

<http://www2.erie.gov/addictionhotline/>

QUESTION/DISCUSSION