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CUYAHOGA COUNTY

MEDICAL EXAMINER'S OFFICE

Heroin/Fentanyl/Cocaine

Related Deaths in

Cuyahoga County

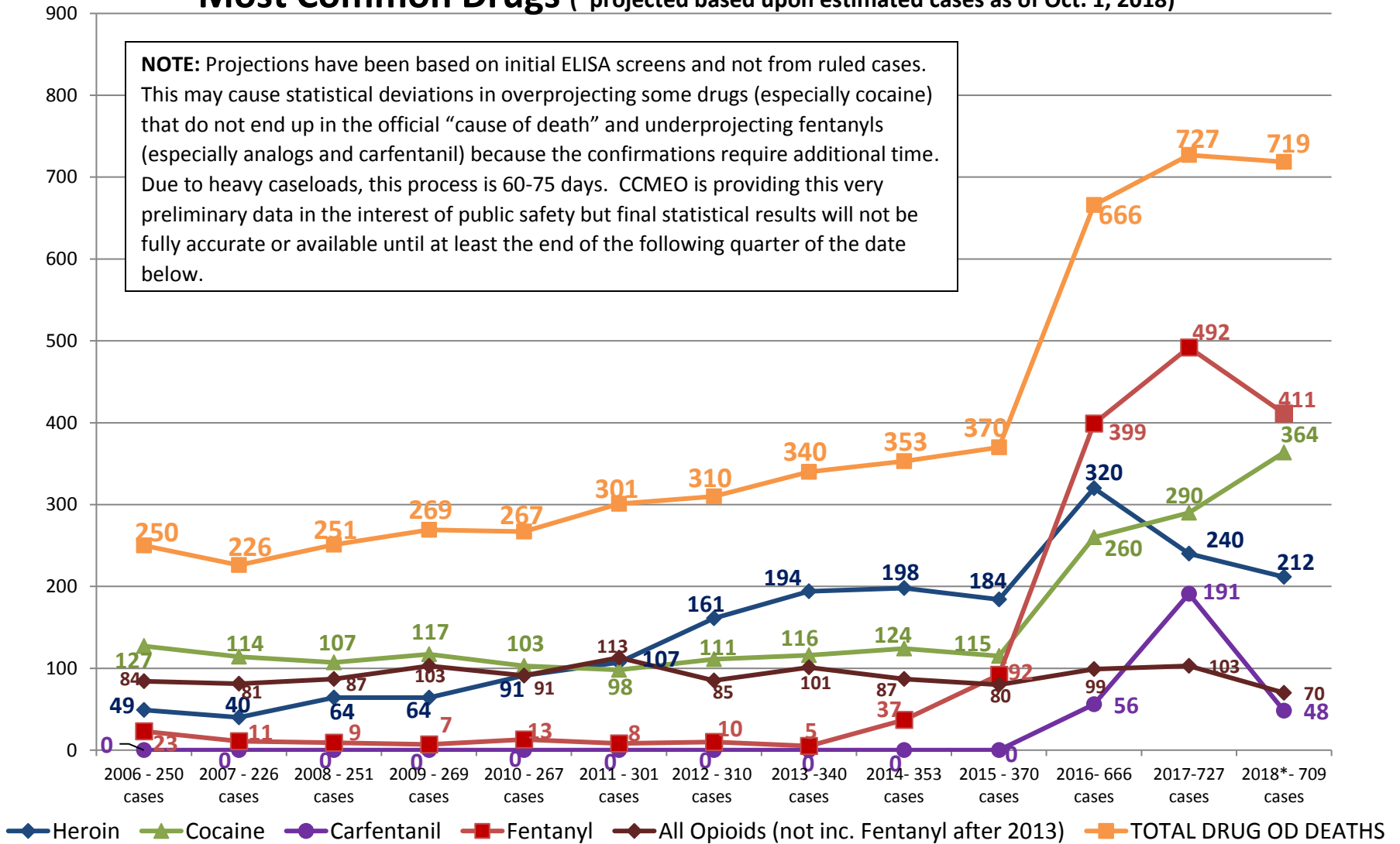
2018 SEPTEMBER UPDATE

October 4, 2018

Cuyahoga County Overdose Deaths 2006-2018*

Most Common Drugs (*projected based upon estimated cases as of Oct. 1, 2018)

NOTE: Projections have been based on initial ELISA screens and not from ruled cases. This may cause statistical deviations in overprojecting some drugs (especially cocaine) that do not end up in the official "cause of death" and underprojecting fentanyl (especially analogs and carfentanil) because the confirmations require additional time. Due to heavy caseloads, this process is 60-75 days. CCMEO is providing this very preliminary data in the interest of public safety but final statistical results will not be fully accurate or available until at least the end of the following quarter of the date below.



Source: Cuyahoga County Medical Examiner's Office revised 10-4-18



CURRENT PUBLIC HEALTH EMERGENCY – At least 2 fatalities since OCT. 1

Fatal Cases due to heroin/fentanyl/analogs in SEPTEMBER—at least 41 (25 cases pending additional testing)

18 - City of Cleveland Residents

19 - Suburban Residents- Brook Park, Brooklyn, Cleveland Heights, East Cleveland, Garfield Heights, Highland Heights, Lakewood (2), Lyndhurst, Maple Hts., North Olmsted, Parma (3), Parma Hts., Shaker Heights (2), South Euclid and Westlake.

2 Unknown and, 2 - Out of County—Chippewa Lake (Portage), Mentor (Lake)

VICTIMS

Victims' ages range from 19 - 67

27 Male victims; 14 Female victims

11 African American victims; 30 Caucasian victims (1 hispanic victim)

TRENDS

At least **371** victims have died from heroin/fentanyl/analog or in combination through September in 2018. This compares to 426 through September of 2017 and 364 in 2016. 2018 total is at least **489** fatalities when including cocaine as well.

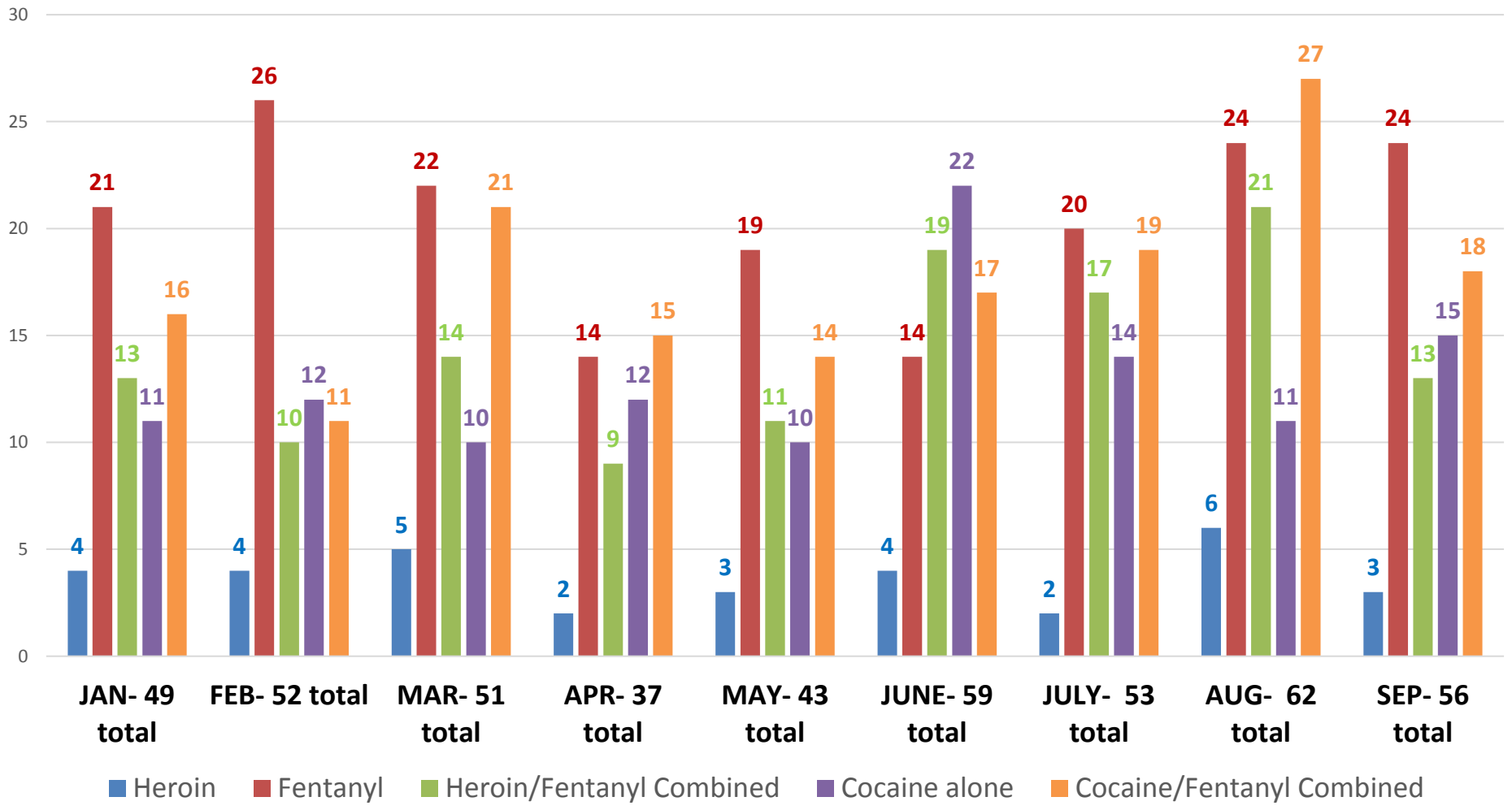
Carfentanil: 56 FATAL CASES in 2016; 191 in 2017; 24 confirmed fatal cases in 2018 as of 10/1/18

Rate of African American deaths involving fentanyl is 16.4% of all victims so far in 2018, a rate above 2016 (14.5%), and below the 20+% in 2017. At least 33 cocaine related deaths occurred in September 2018 (at least 275 for 2018), with at least 18 being mixed with Fentanyl, Heroin or both (at least 158 for 2018).



2018 CCMEO Overdose Deaths, Most Common Drugs Involved

Combined is heroin and fentanyl in some combination (Fentanyl analogues will be counted under Fentanyl Columns).



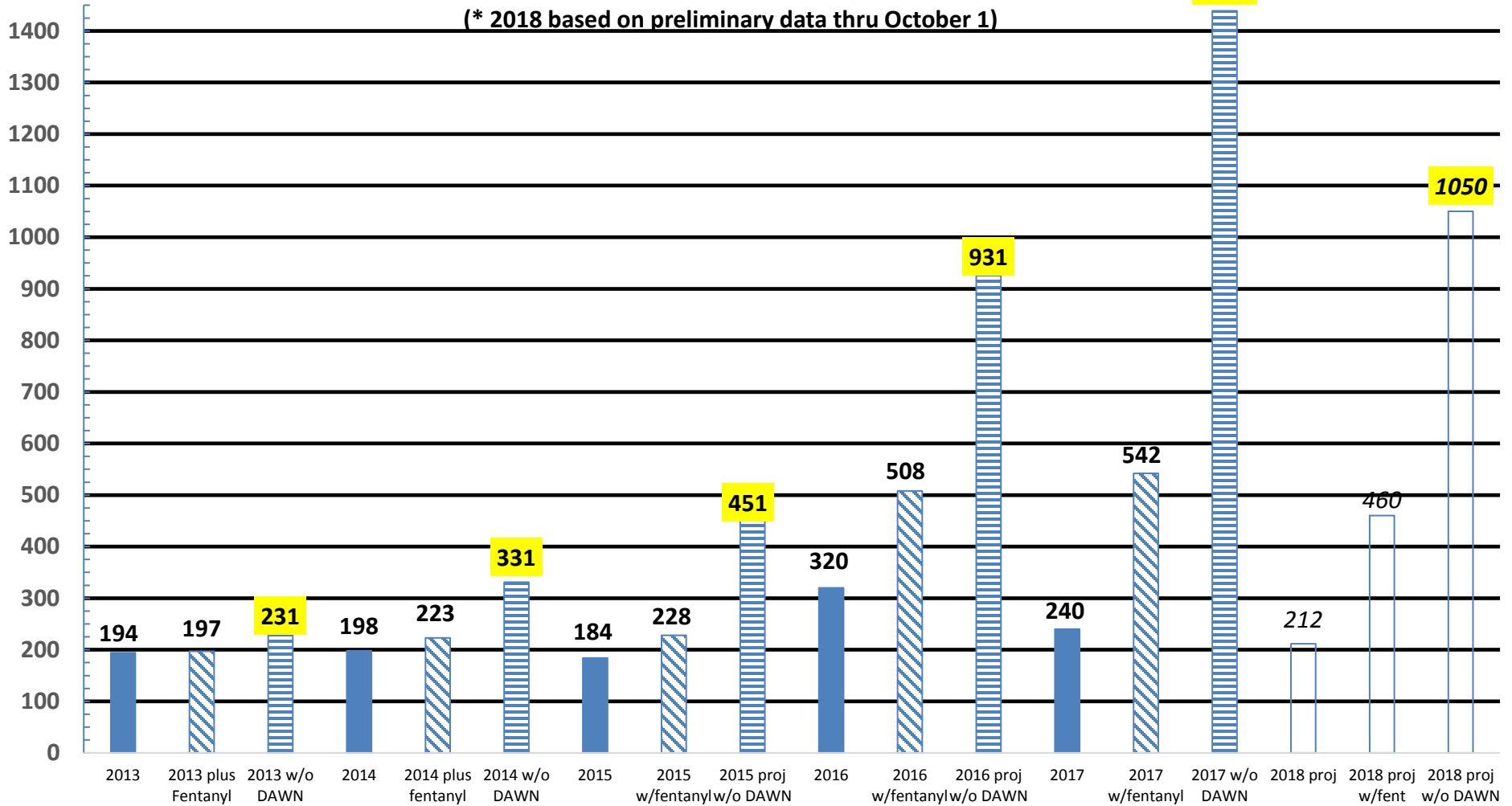
Source: Cuyahoga County Medical Examiner's Office revised 10-4-18



Cuyahoga County Heroin/Fentanyl Related Overdose Deaths 2013-2018*

Projected deaths with DAWN Saves as overdose Deaths

(* 2018 based on preliminary data thru October 1)

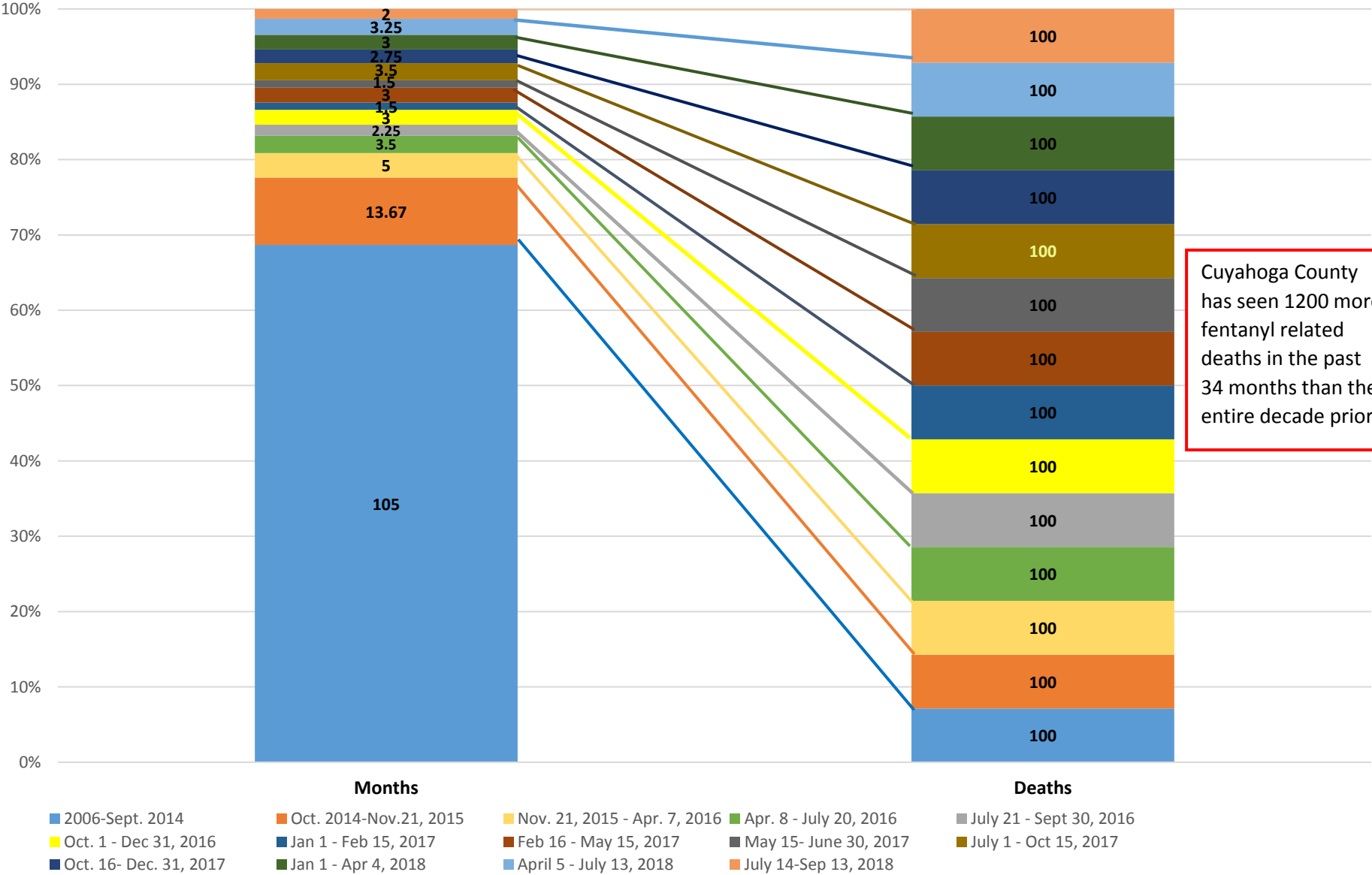


Source: Cuyahoga County Medical Examiner's Office revised 10-4-18

DAWN includes all documented naloxone saves through DAWN including police reversals. Does not include EMS administrations:
(1,903 doses in 2015, 5,156 in 2016 and 7,745 dose administrations in 2017).



Cuyahoga County Fentanyl Deaths 2006-2018



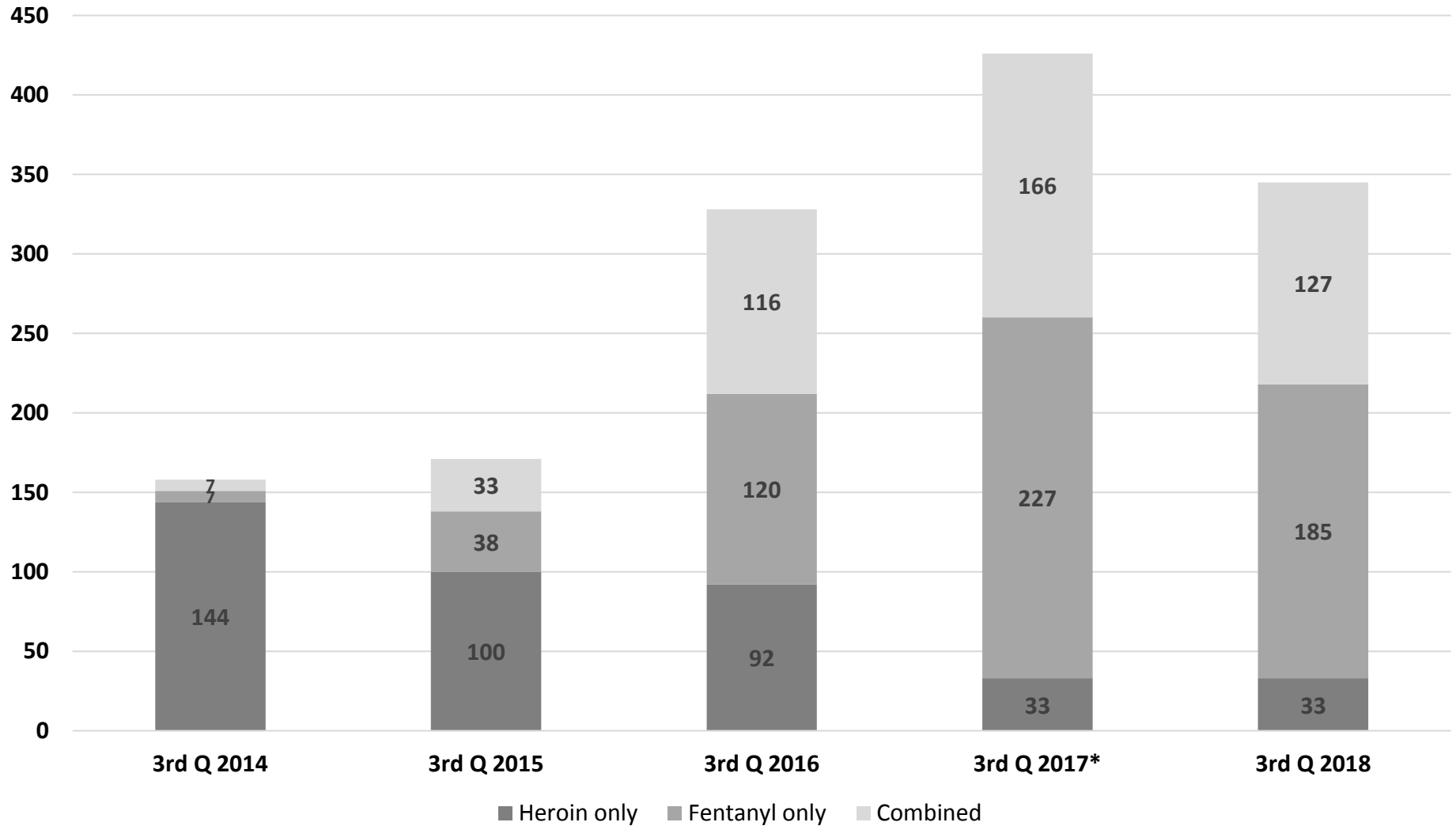
Cuyahoga County has seen 1200 more fentanyl related deaths in the past 34 months than the entire decade prior.

Source: Cuyahoga County Medical Examiner's Office revised 10-4-18



CCMEO Heroin, Fentanyl and Heroin/Fentanyl Combination Deaths

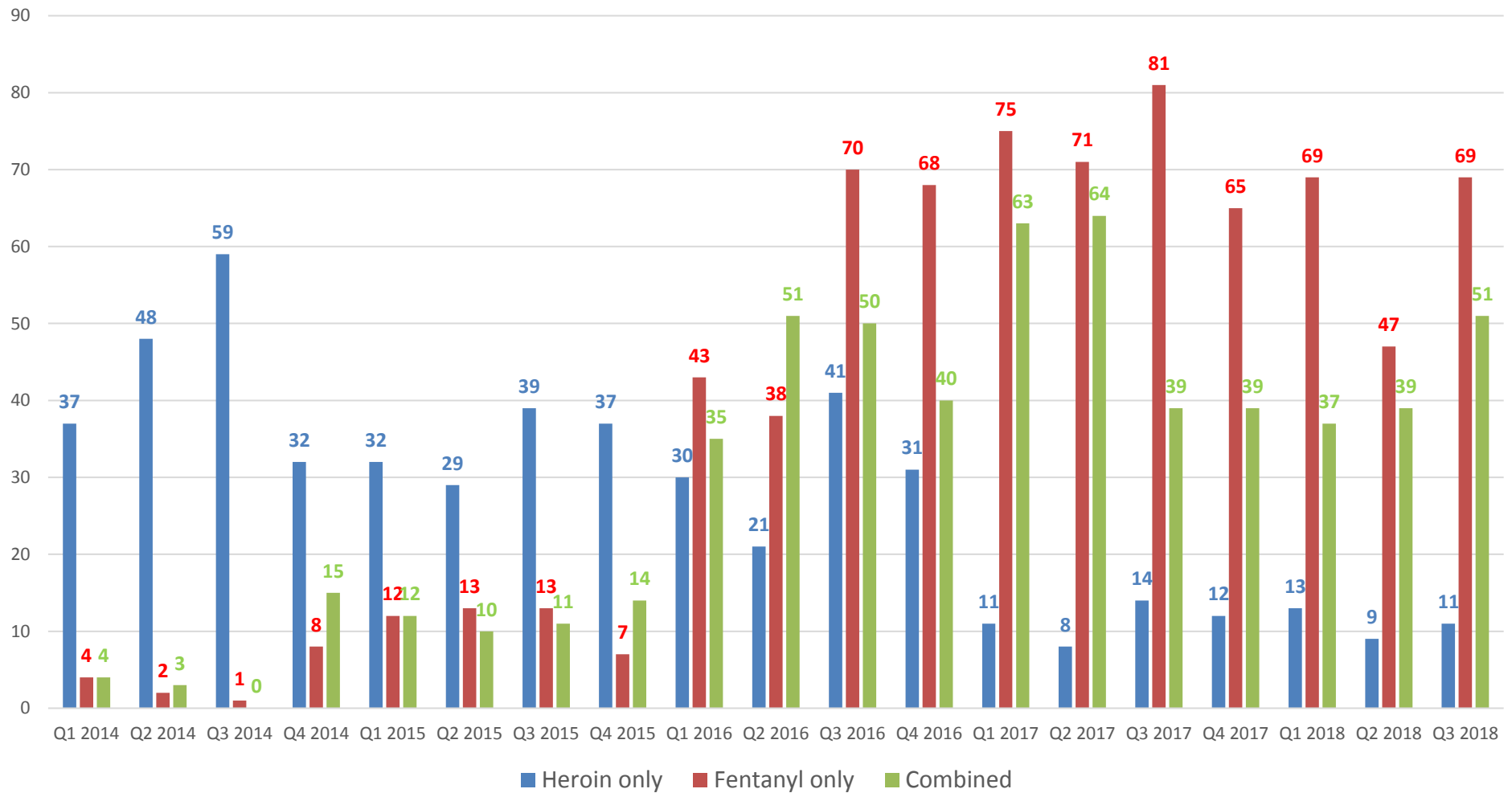
(* through Oct. 1, 2018)



Source: Cuyahoga County Medical Examiner's Office revised 10-4-18



CCMEO Quarterly Heroin/Fentanyl/Combined Deaths 2014-2018* (*2018 suspected cases as of 10-1-18)

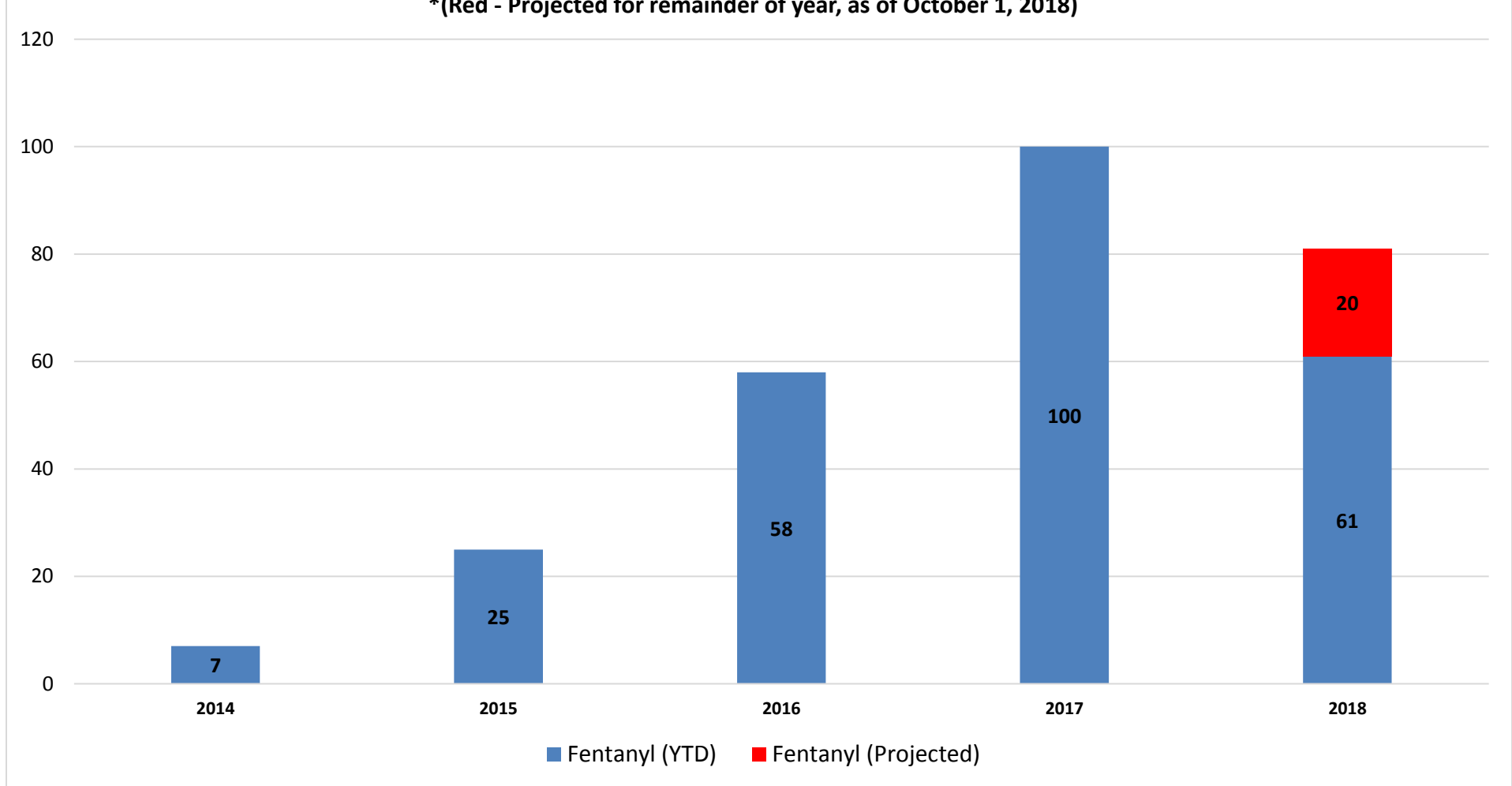


Source: Cuyahoga County Medical Examiner's Office revised 10-1-18



CCMEO Fentanyl-related fatalities among African Americans 2014-2018*

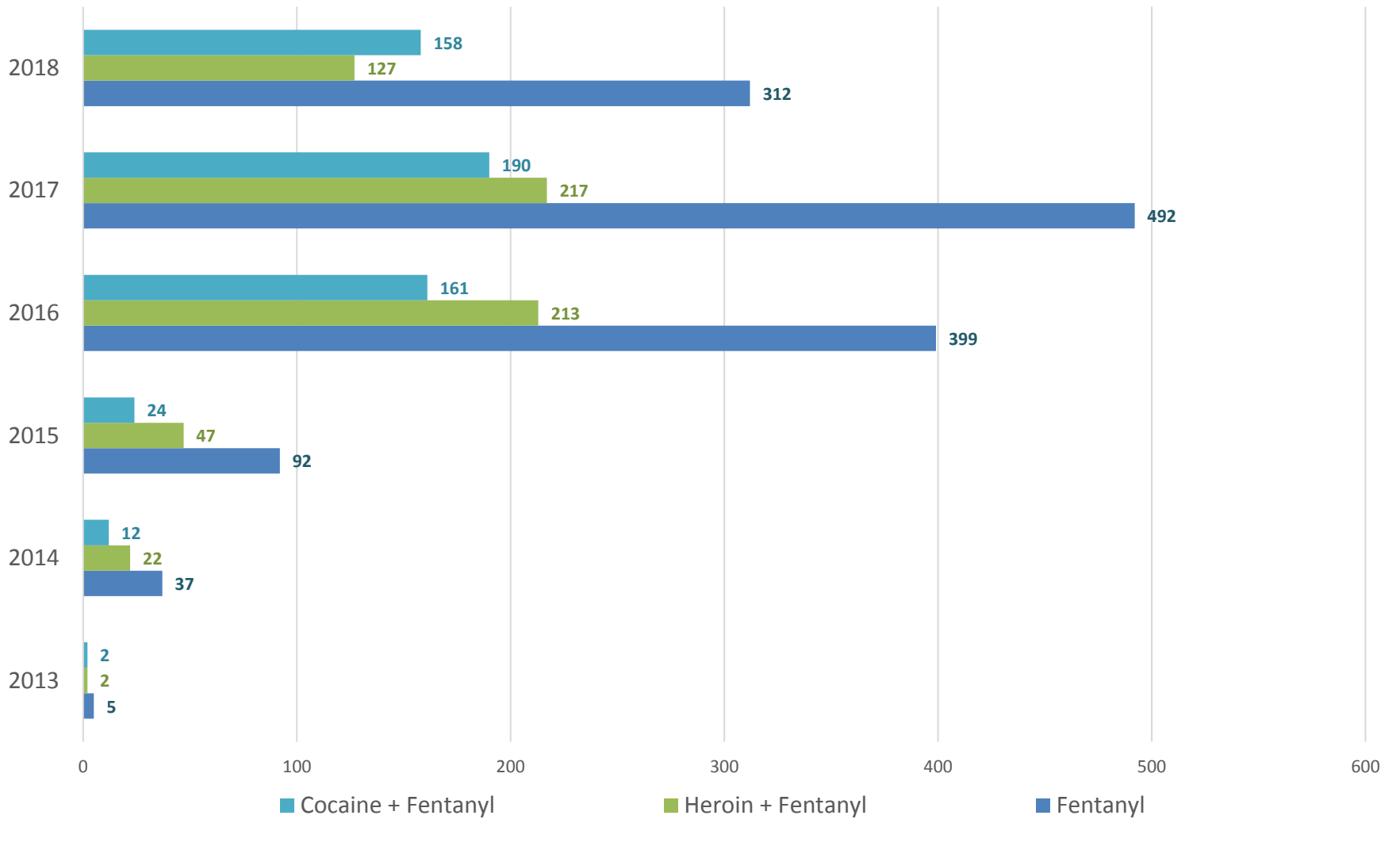
*(Red - Projected for remainder of year, as of October 1, 2018)



Source: Cuyahoga County Medical Examiner's Office revised 10-4-18



CCMEO, Proliferation of Fentanyl and Cocaine/Fentanyl mixtures in fatalities 2013-2018* (* thru October 1, 2018)



Source: Cuyahoga County Medical Examiner's Office revised 10-1-18



CCMEO Overdose Deaths involving Cocaine 2006-2018

The Explosion of Cocaine

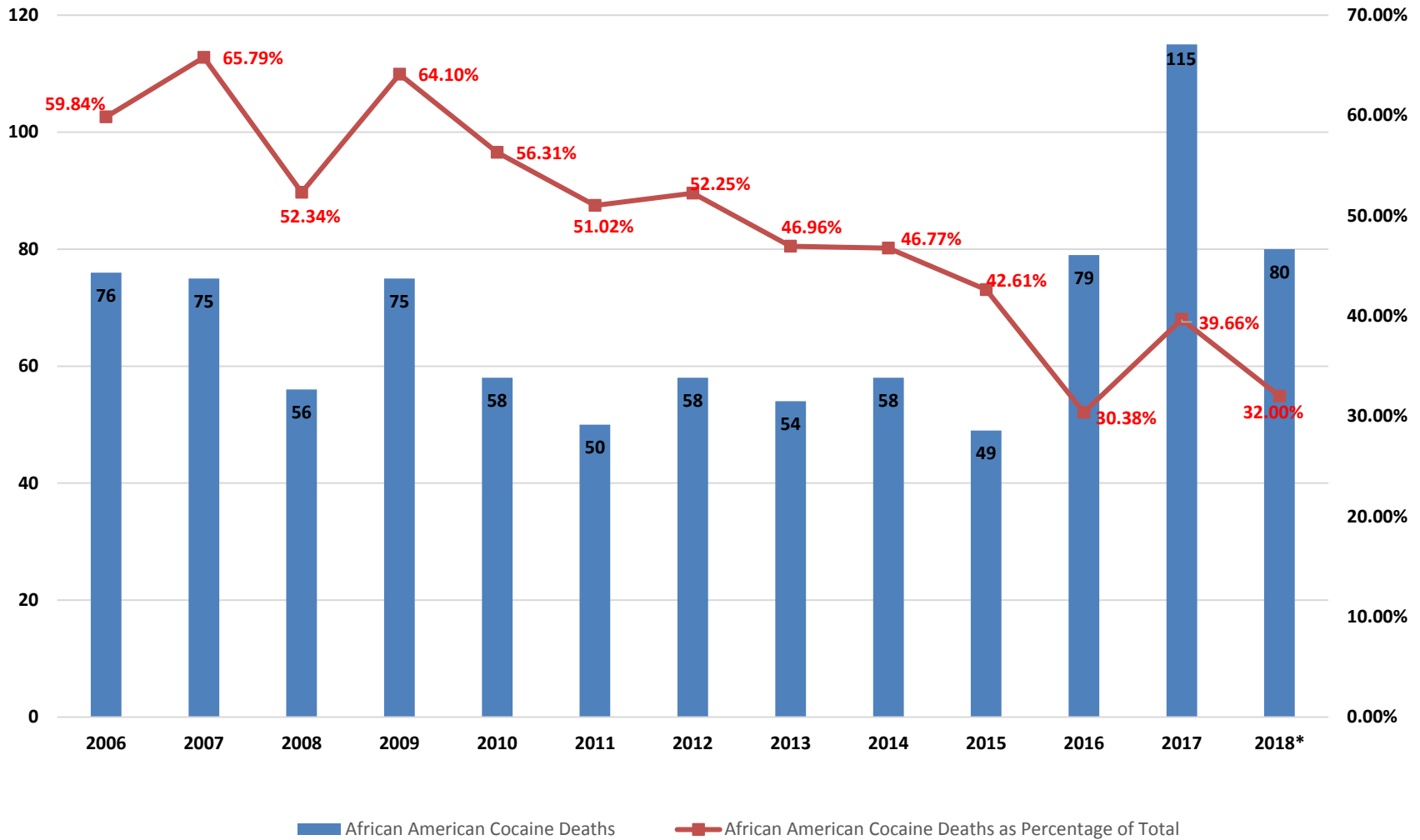
(*2018 projected based on tested cases through October 1)



Source: Cuyahoga County Medical Examiner's Office revised 10-1-18



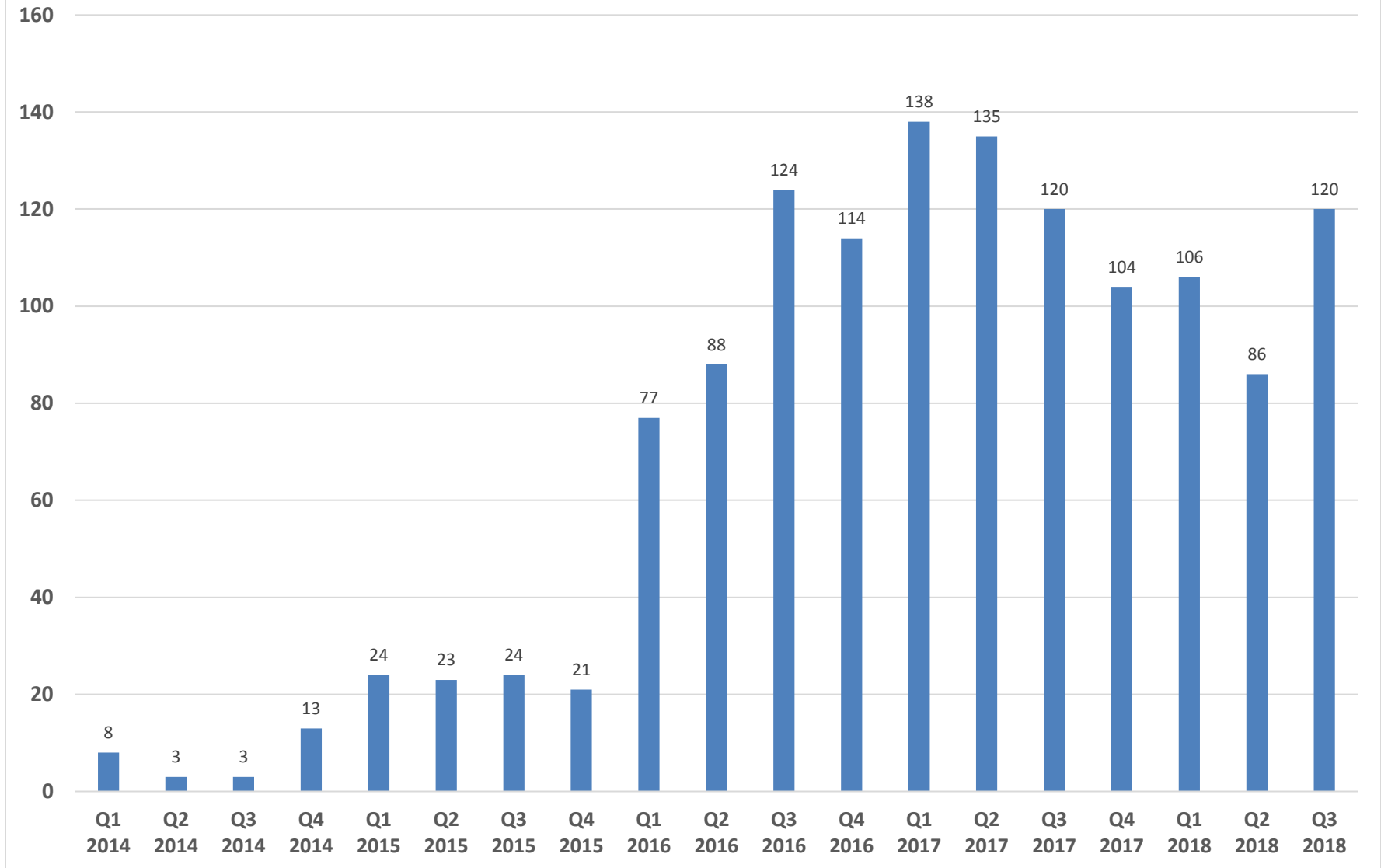
CCMEO Cocaine related Overdose Deaths 2006-2018*
Demographic Shift in Cocaine Deaths
 (Includes cocaine/fentanyl mixed cases) *2018 projected from MidYear data



Source: Cuyahoga County Medical Examiner's Office revised 10-1-18



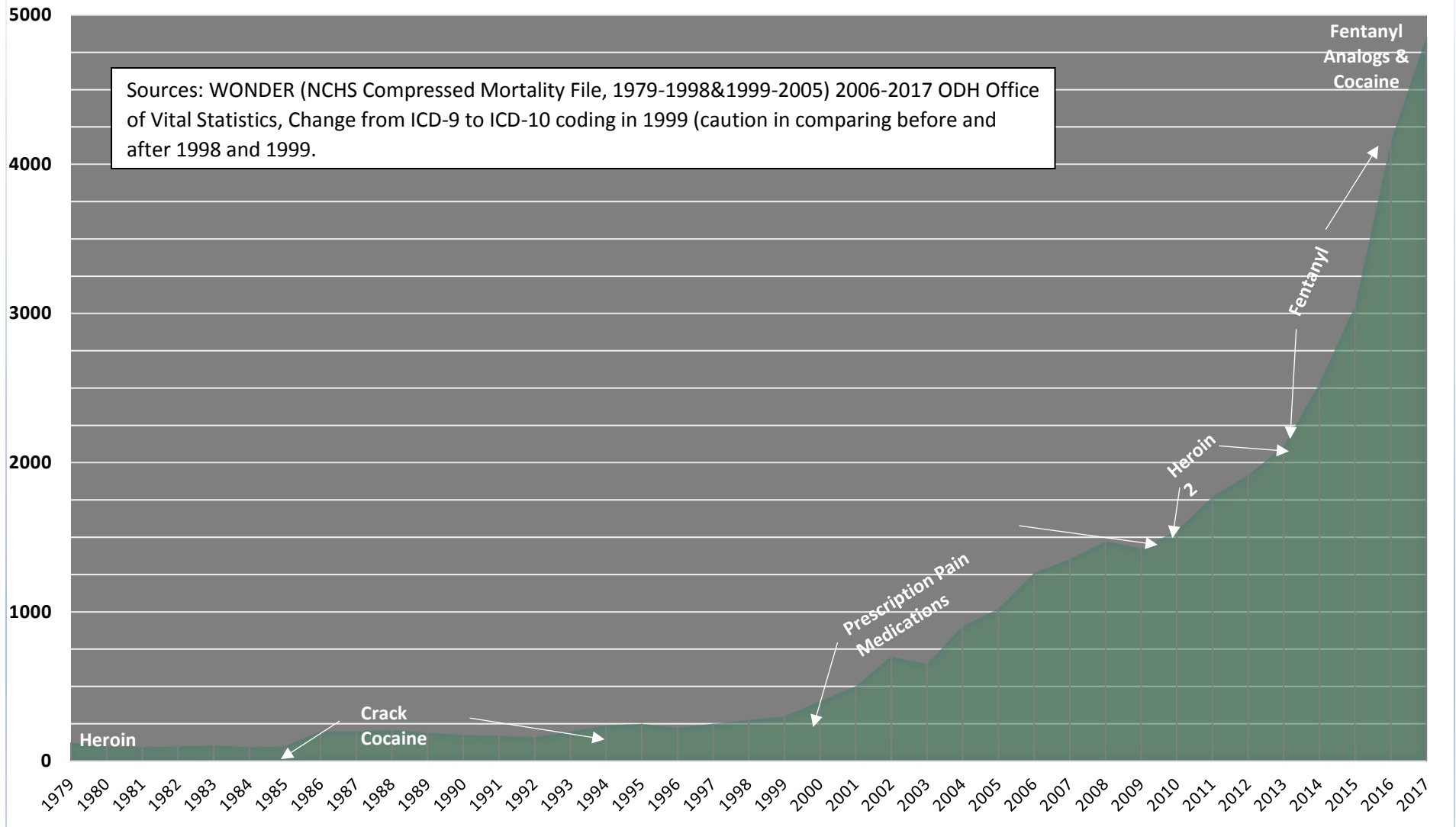
Fentanyl-related Overdose Deaths by Quarter, Jan 2014 - Sept 2018



Source: Cuyahoga County Medical Examiner's Office revised 10-1-18



EPIDEMICS OF UNINTENTIONAL DRUG OVERDOSE DEATHS IN OHIO 1979 - 2017



Source: Cuyahoga County Medical Examiner's Office revised 10-4-18

