



LIVE.LONG.DC.

Data Presentations

April 28, 2021



DISTRICT OF COLUMBIA

DFS

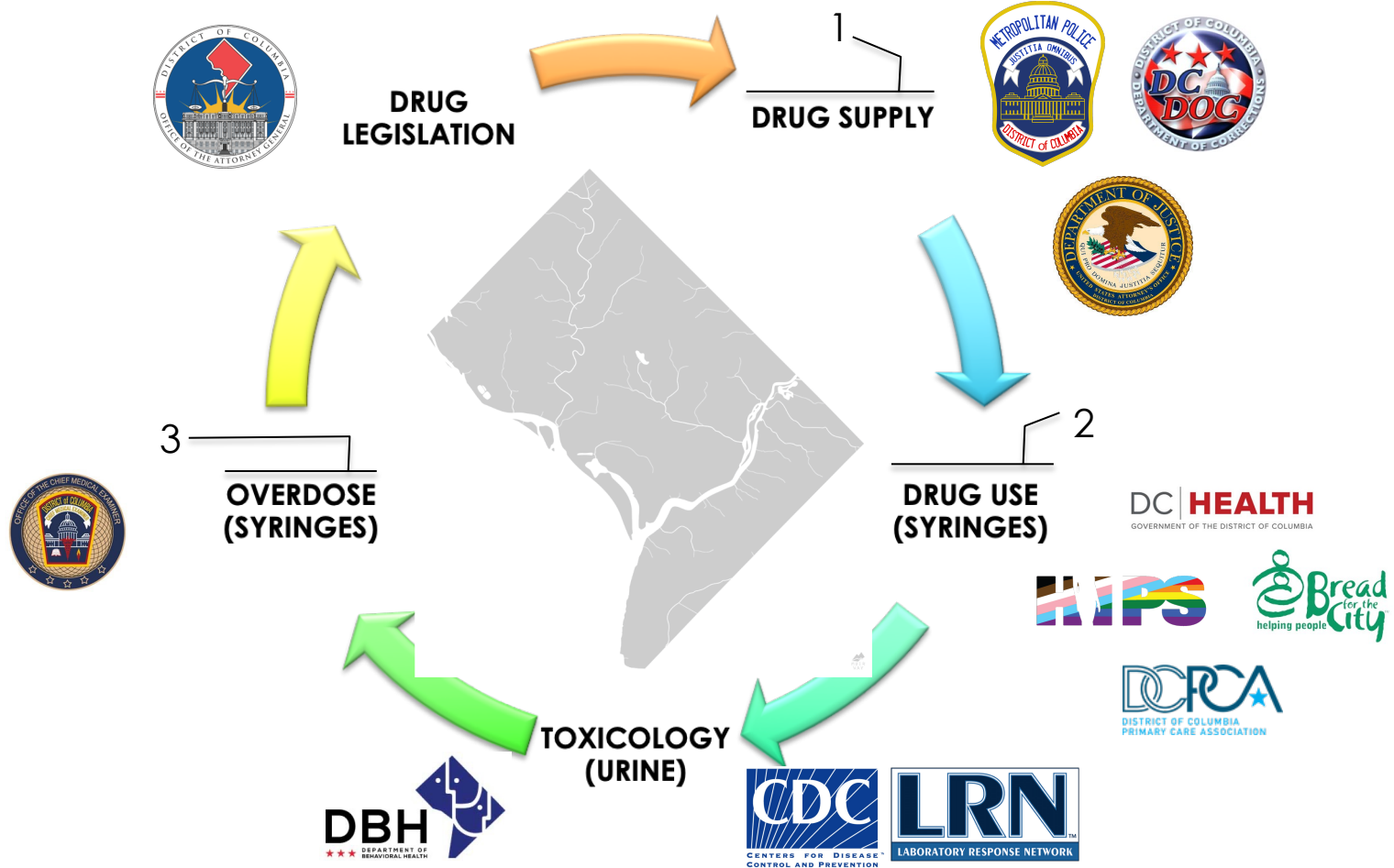
**DEPARTMENT OF
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Forensic Science Laboratory | Public Health Laboratory | Crime Scene Sciences

OPIOID STAKEHOLDER SUMMIT

APRIL 28, 2021

DC DRUG SURVEILLANCE MODEL

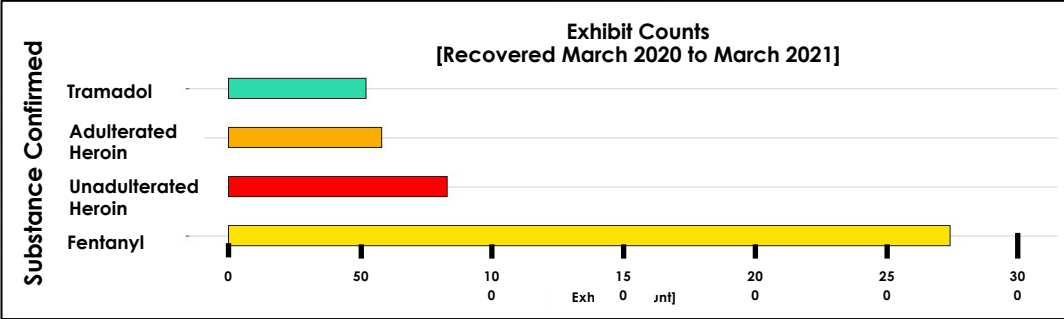
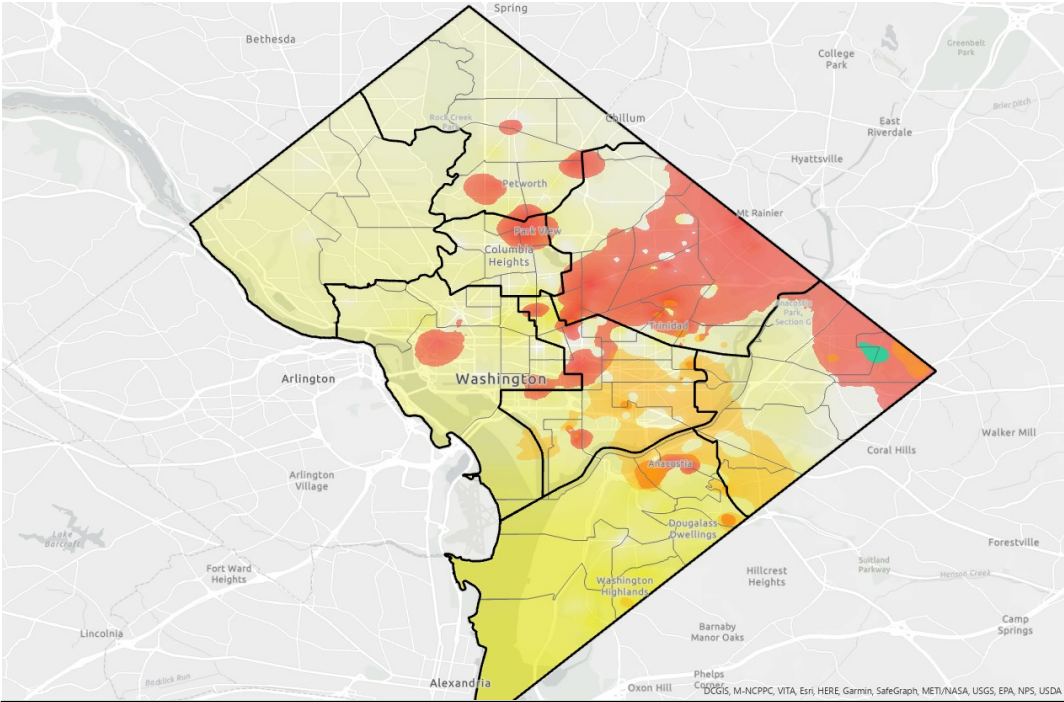


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OPIOID DISTRIBUTION (1 YEAR)



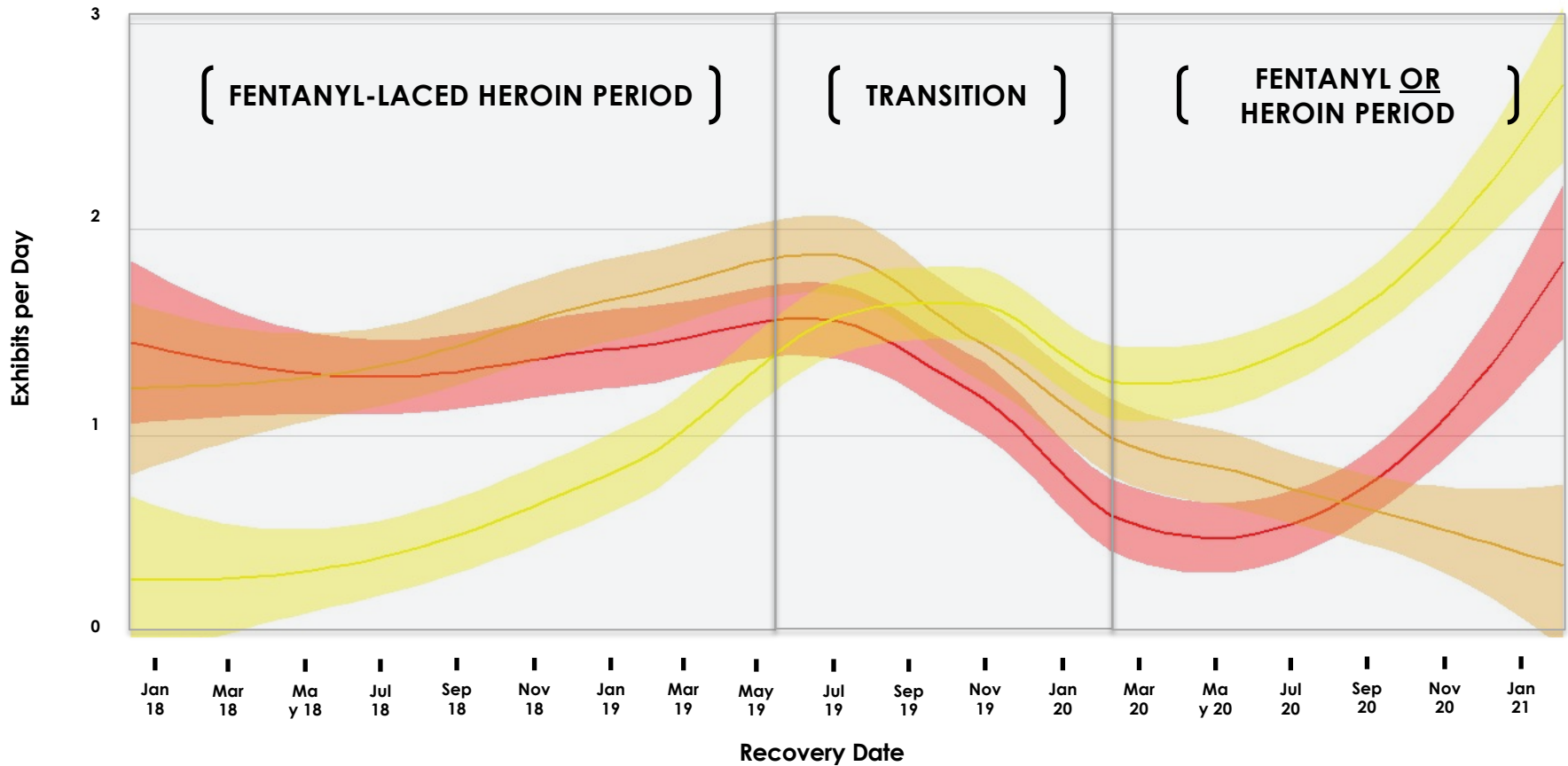
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OPIOID TRENDS (SINCE 2018)

Heroin, Fentanyl-Adulterated Heroin, and Fentanyl in Opioid Powder Exhibits



Fentanyl (no Heroin) Heroin (no Fentanyl) Heroin (with Fentanyl)

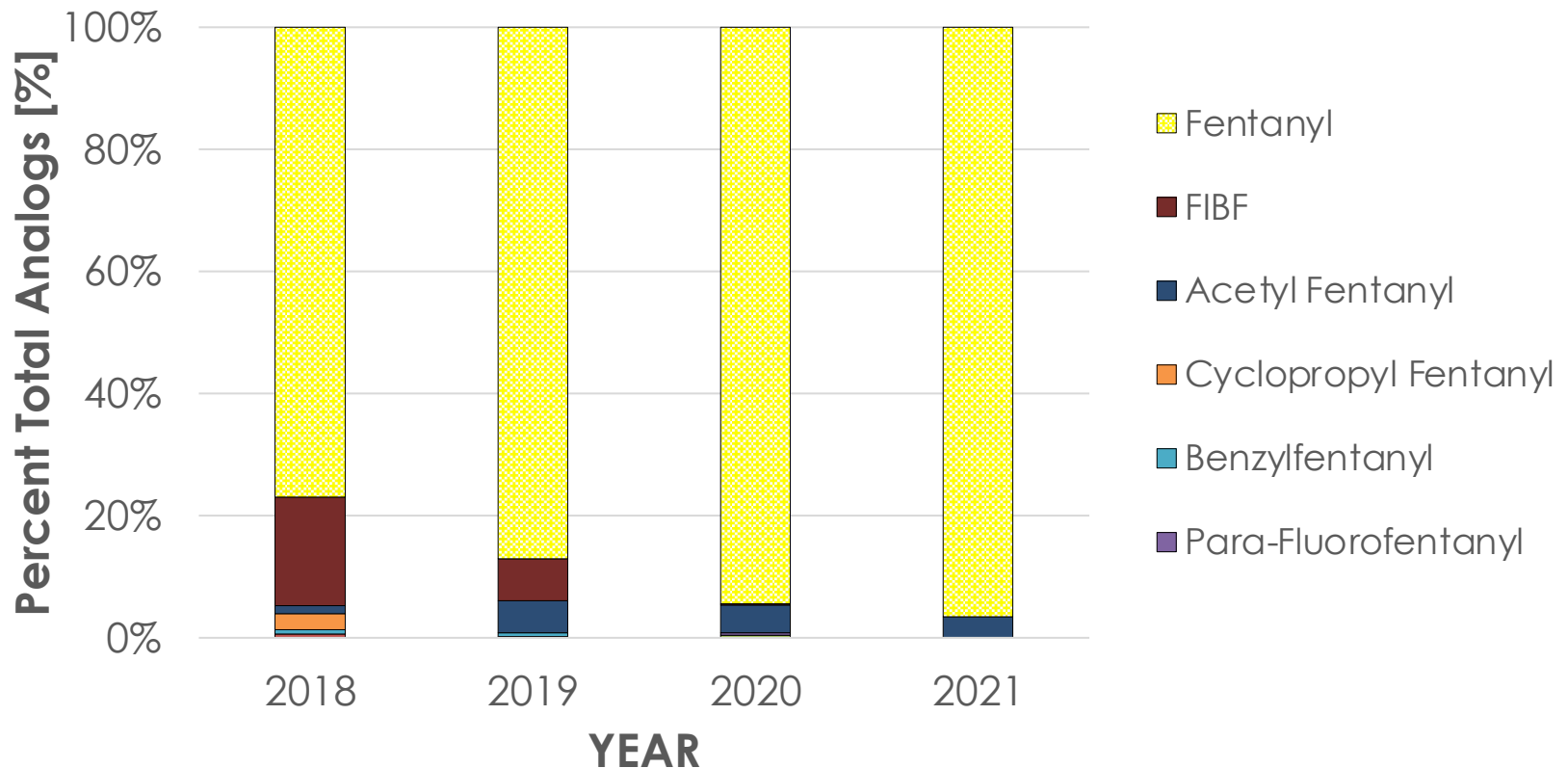


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OPIOID TRENDS* (SINCE 2018)



*Excluding 4-ANPP, a precursor to fentanyl



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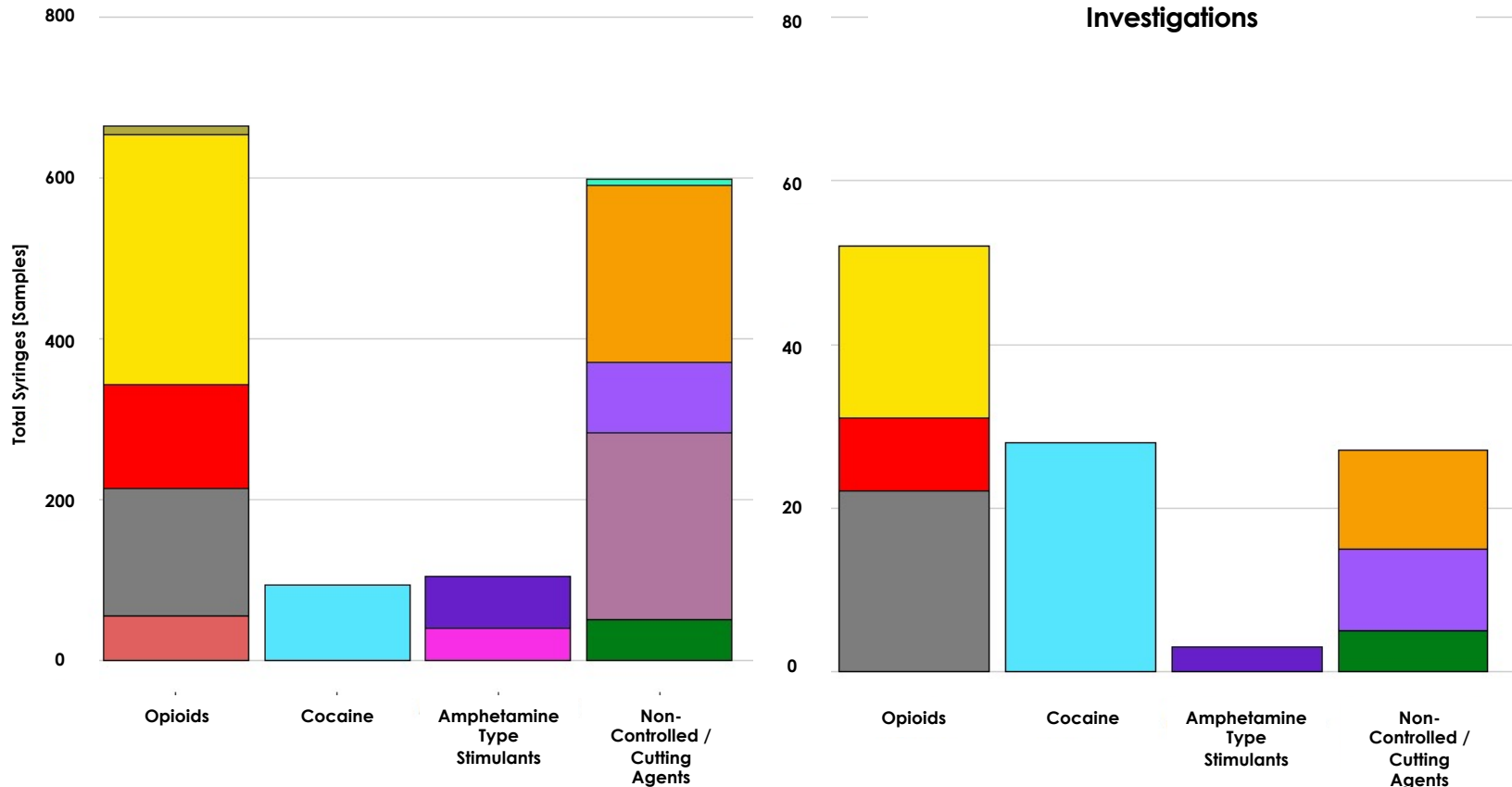
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OVERDOSE SYRINGES

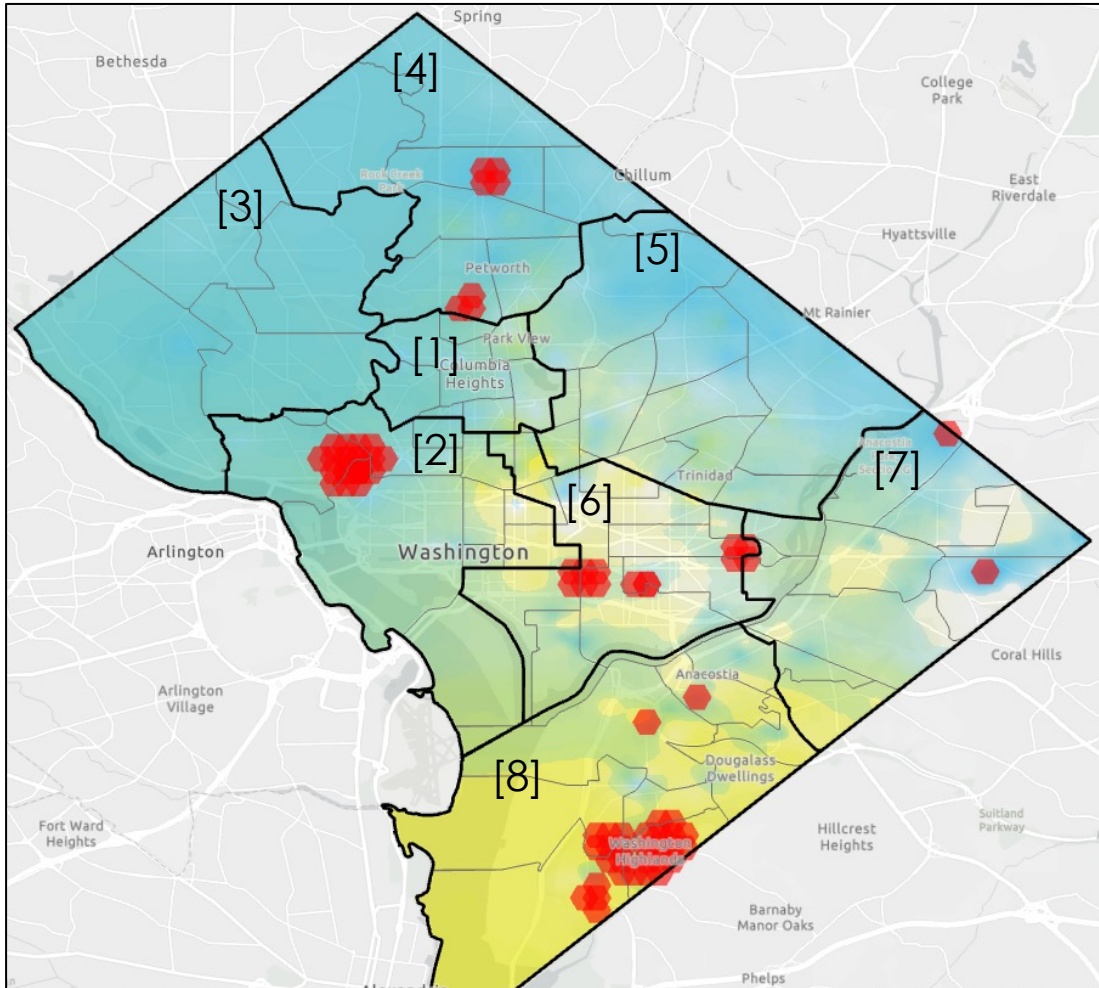





Syringe Exchange Survey

Syringes Associated with Death Investigations



DC SYRINGE SURVEILLANCE MODEL



-  Cocaine
-  Fentanyl
-  Cocaine + Fentanyl



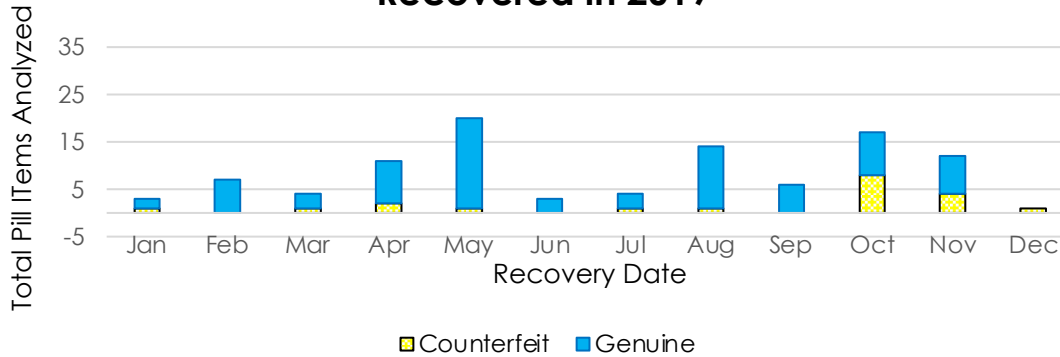
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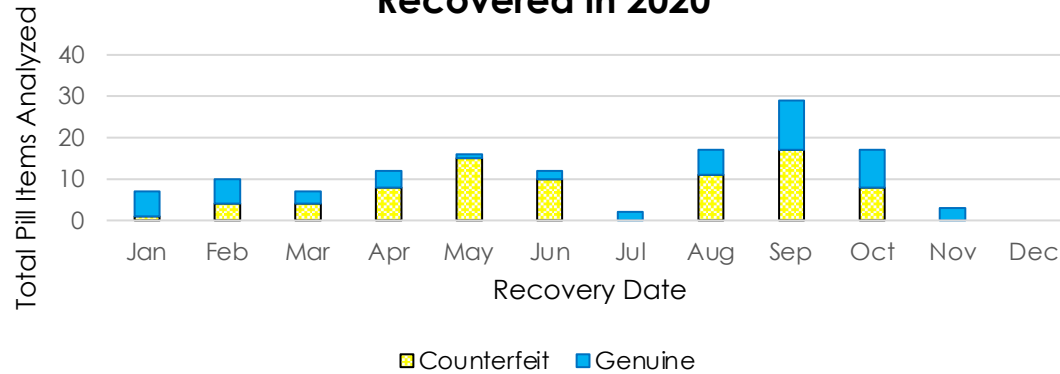
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FENTANYL PILLS

Pills Physically Identified as Oxycodone Recovered in 2019



Pills Physically Identified as Oxycodone Recovered in 2020



Year	Proportion of Pills Containing Fentanyl	Counterfeit Oxycodone containing Fentanyl
FY19	0.97%	6.4%
FY20	17%	43%
FY21	13%	40%

REAL



FAKE!



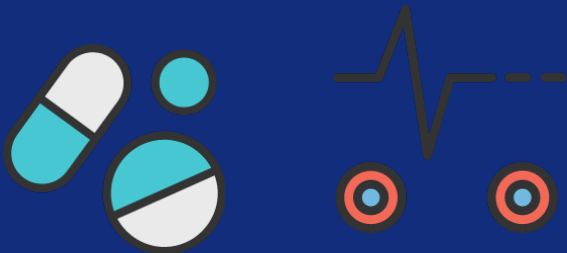
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Live Long DC - Opioid Stakeholders Summit

4-28-21



Office of the Chief Medical Examiner



The DC Office of the Chief Medical Examiner (OCME) has investigated a total of **1443** opioid-related fatal overdose from January 2016 to January 31, 2020.



Demographic Figures

Fig. 5: Drug Overdoses due to Opioid Use by Age

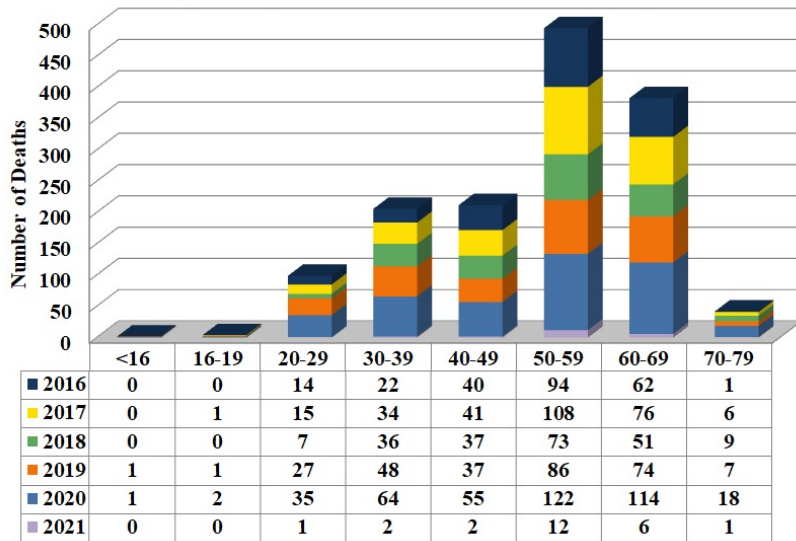


Figure 7: Percentage of Drug Overdoses due to Opioid Use by Gender and Year

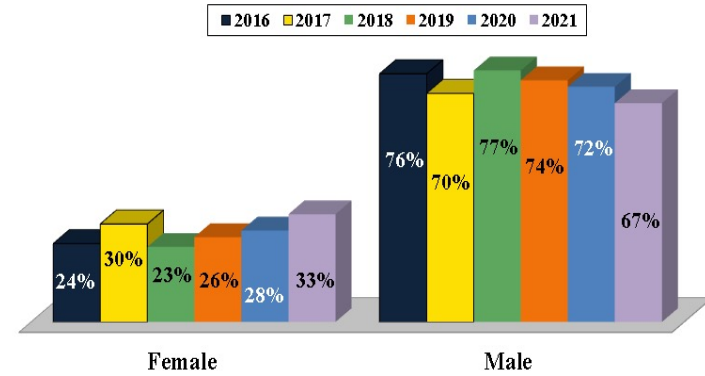
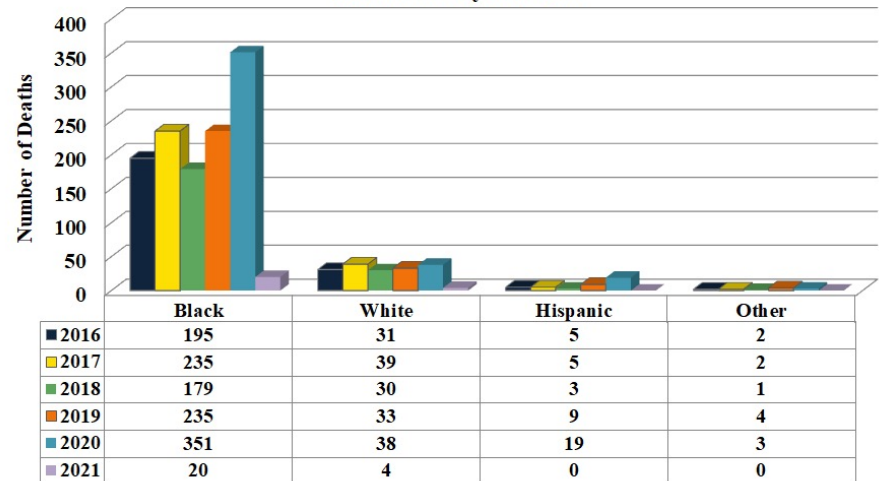


Fig. 6: Number of Drug Overdoses due to Opioid Use by Race/Ethnicity and Year

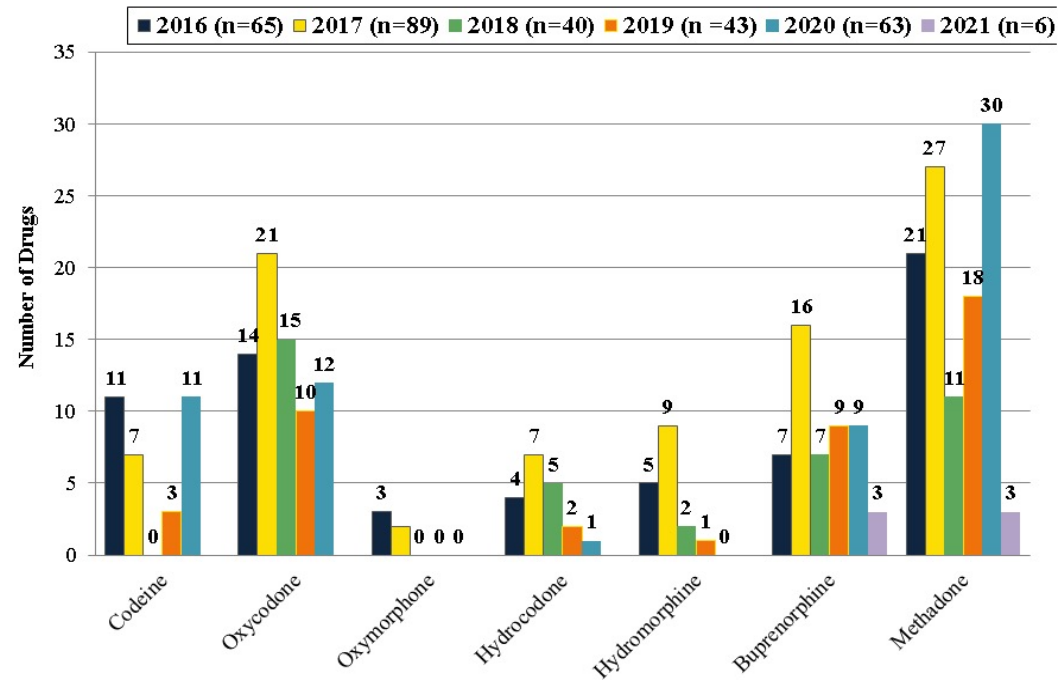


TRENDS IN PRESCRIPTION OPIOIDS IN FATAL OVERDOSES

The number of prescription opioids found in opioid related overdoses has varied over the years of data collection, however **methadone and oxycodone** are currently the most prevalent prescription opioids identified.

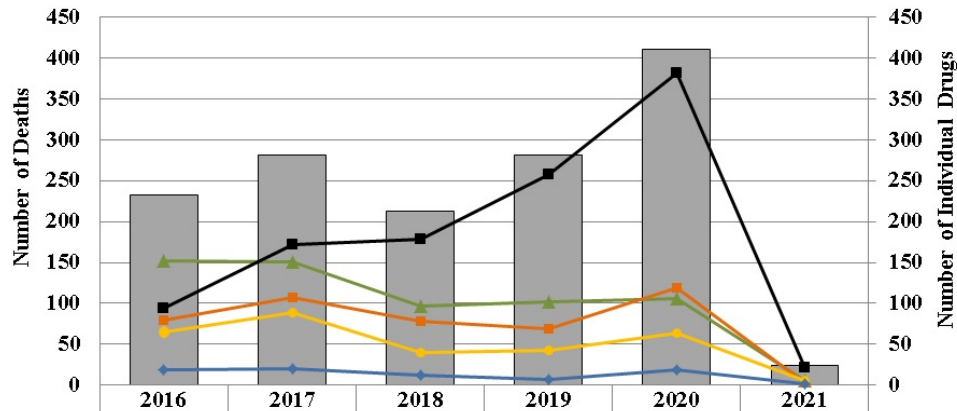


Fig. 4: Number of Prescription Opioids Contributing to Drug Overdoses by Year (n=306)



TRENDS IN THE NUMBERS OF OPIOID DRUGS CONTRIBUTING TO FATAL OVERDOSES

Fig. 2: Total Number of Opioid Drugs Contributing to Drug Overdoses by Year (All Opioids)



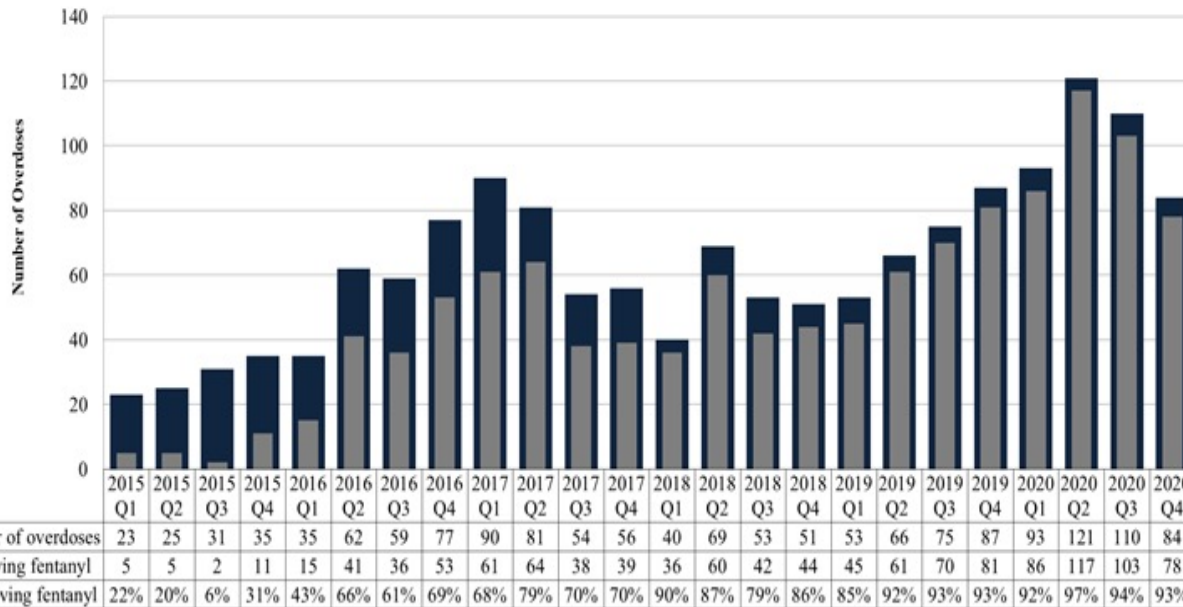
Number of Deaths	233	281	213	281	411	24
Heroin	152	151	97	102	106	6
Fentanyl	94	172	178	257	382	22
Fentanyl Analogs	79	107	78	69	119	3
Prescription Opioids	65	89	40	43	63	6
Other	19	20	12	7	19	2

Overall, the most prevalent opioid drugs identified were **fentanyl** followed by heroin and **fentanyl analogs**.

	<u>2020</u>	<u>2021</u>
Fentanyl	94%	92%
Heroin	26%	25%
FA's	29%	13%

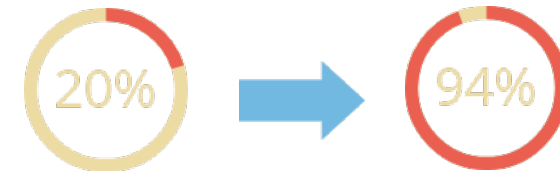
FATAL OVERDOSES CONTAINING FENTANYL/FENTANYL ANALOGS

Fig. 3 Number of Opioid Overdoses Containing Fentanyl/Fentanyl Analogs by Quarter, 2015-2020



The percentage of cases containing fentanyl or a fentanyl analog:

2015: 20% → 2020: 94%

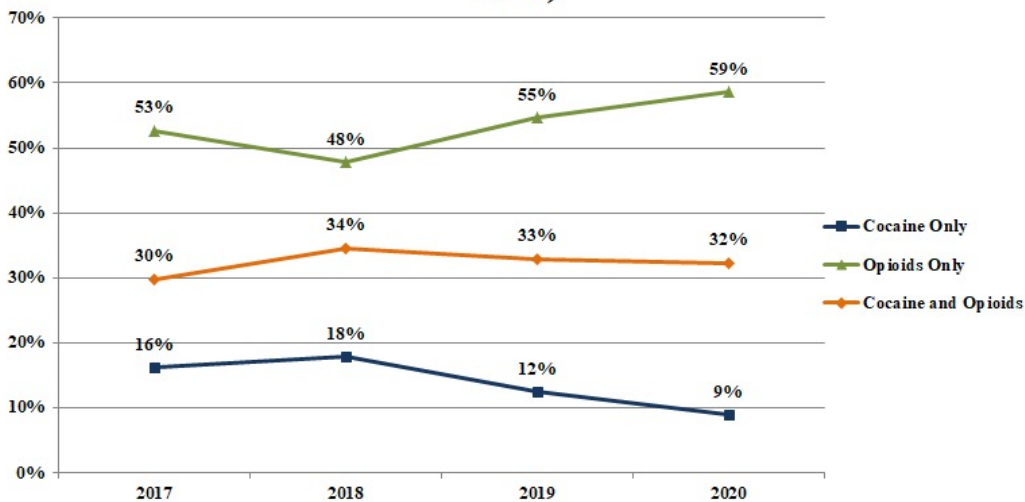


Thus far in 2021, fentanyl has been involved in **92%** of the fatal overdoses.

Trends in Cocaine and Opioid Fatal

Since 2018: - **Opioid-only** fatal overdose have steadily **increased**
 - **Cocaine-only** fatal overdoses have **decreased**
 - **Cocaine and Opioid** overdoses have remained **steady** but have **significant increased**
 in **Black Males and Black Females**

Percent of Deaths due to Cocaine and Opioids (2017-2020)



Breakdown of Cocaine and Opioid Overdoses by Year, Race and Gender 2017-2020				
	2017	2018	2019	2020
Black				
Male	55	61	62	75
Female	32	17	31	50
White				
Male	5	6	4	10
Female	5	6	4	2
Other				
Male	2	1	4	8
Female	2	0	1	1

Trends in Location of Fatal Opioid

78% of 2020 fatal opioid overdoses took place within a residence.

67% of those cases were within the decedent's household.

This may be driven by the pandemic and lock-down protocols, but also impacts the affect of the push for Naloxone availability to counter opioid abuse.

Location of Injury of Fatal Opioid Overdoses (Jan-Dec 2020)	
Residence	320
Decedents residence	214
Family members residence	10
Friend/acquaintance residence	52
Hospital/Nursing Home	2
Hotel/Motel	7
Unspecified residence	5
Shelter/Halfway house	20
Vacant residence	10
Non-Residence*	86
Unknown	5
* non-residence includes street, bus stop, outside, park, alley/rear of buildings, place of work, restaurant/shop	

Location of Injury of Fatal Opioid Overdoses (Jan-Dec 2020)	
Residence	78%
Decedents residence	67%
Family members residence	3%
Friend/acquaintance residence	16%
Hospital/Nursing Home	1%
Hotel/Motel	2%
Unspecified residence	2%
Shelter/Halfway house	6%
Vacant residence	3%
Non-Residence*	21%
Unknown	1%
* non-residence includes street, bus stop, outside, park, alley/rear of buildings, place of work, restaurant/shop	

DC | HEALTH

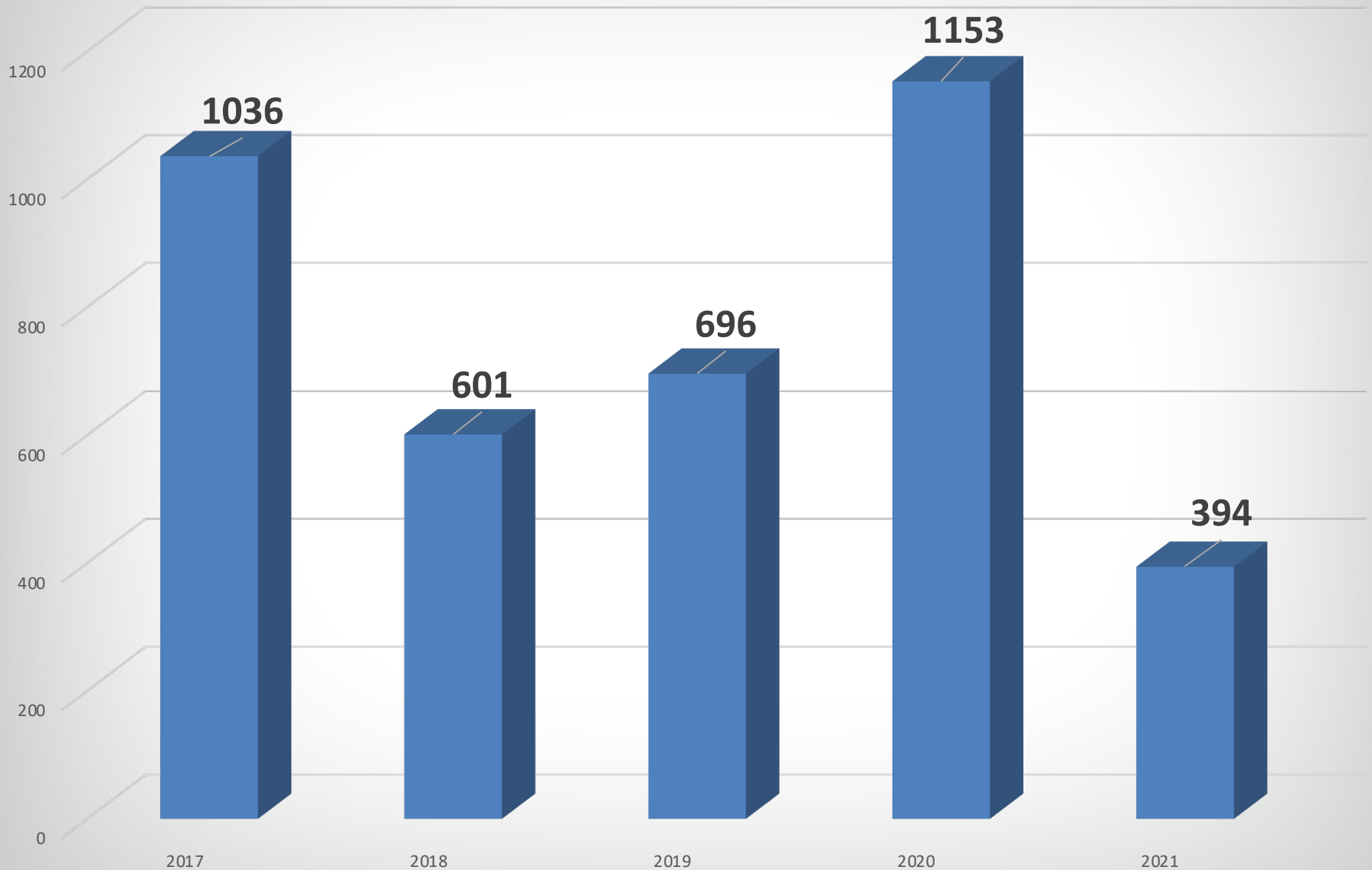
Opioid Overdose Surveillance

Presenter: Kenan Zamore, MPH
April 28, 2021

ED SURVEILLANCE

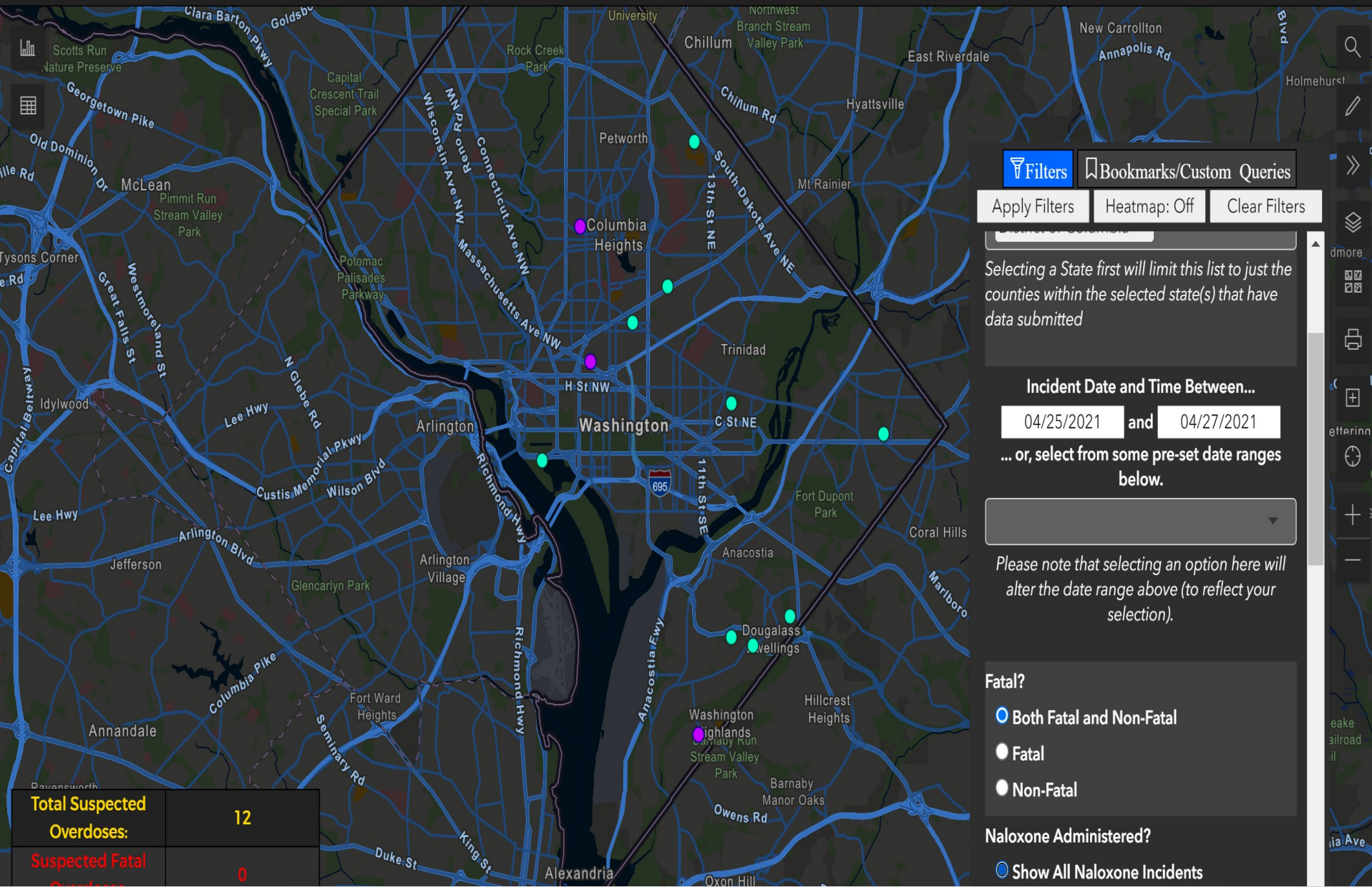
- De-identified
- Based on a combination of chief complaint and discharge diagnosis
- Running count over time
- Can also look at patients with a history of opioid abuse presenting with another health issue

Overdose-Related ED Encounters, 2017 to 4/25/21 (n=3,880)



SNAPSHOT

- Average age 52 (Non-DC residents 45, Wards 2 and 3 are also younger at 43 for 2020. Ward 5 is the oldest at 54)
- Overall decline from 53 to 49 in average in (2021), driven largely by Ward 2
- Gender is consistent- 70% male, 30% female
- Historically from mostly Wards 5, 7 and 8, but since 2020, Ward 2 now accounts for 22%



Total Suspected Overdoses:	12
Suspected Fatal Overdoses:	0

Filters | Bookmarks/Custom Queries

Apply Filters | Heatmap: Off | Clear Filters

Selecting a State first will limit this list to just the counties within the selected state(s) that have data submitted

Incident Date and Time Between...

04/25/2021 and 04/27/2021

... or, select from some pre-set date ranges below.

Please note that selecting an option here will alter the date range above (to reflect your selection).

Fatal?

- Both Fatal and Non-Fatal
- Fatal
- Non-Fatal

Naloxone Administered?

- Show All Naloxone Incidents

SIGNING UP FOR ODMAP

New users go to:

- **Odmap.hidta.org**
- **Click register new user**
- **Enter your information**
- **WTG8Y37 for agency code**

TYPICAL EMS TRANSPORT

32% ON AVERAGE DECLINE TRANSPORT

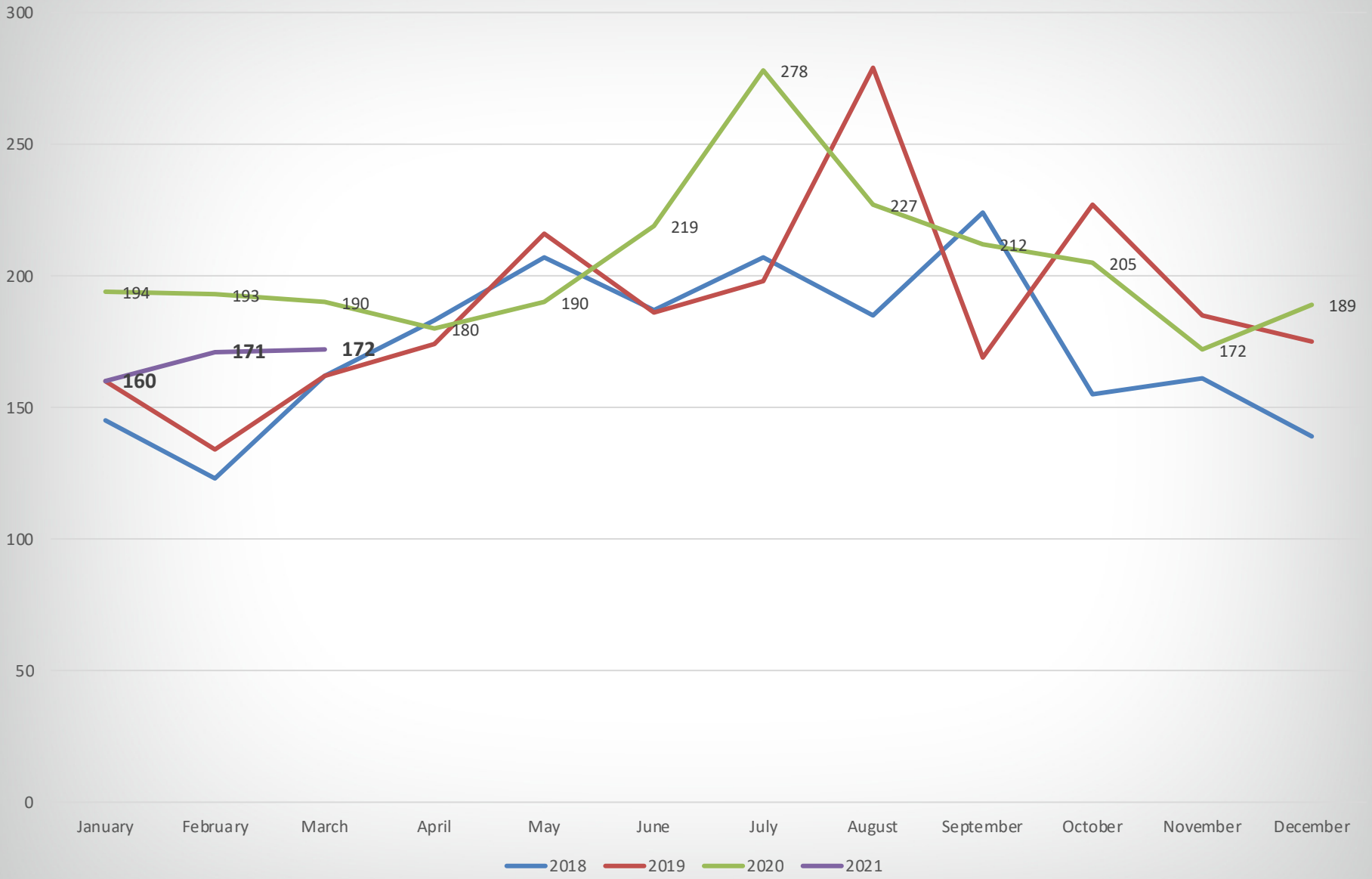
- 49 years of age
- 88% African American
- 70/30 resident/ non-resident
- Rise in repeat overdoses during 2020

REPEAT OVERDOSERS

RISING PROPORTION OF OVERDOSES

- ~20 % have had multiple overdoses in a 12 month period
- Max was 8 for 2020
- Average time in between events is about 3 months
- Shortest was one day
- Biggest predictor is location (known hotspot) and previous refusal

FEMS Overdose Encounters, 2018 to 3/27/2021, n=7,295



Non-fatal Opioid Overdoses

Washington, DC

Number of EMS c...



Geographic View

Neighborhood

Timespan

Last 3 months

Neighborhood

Multiple values

Refused Transport/Eval

All

Crosstab

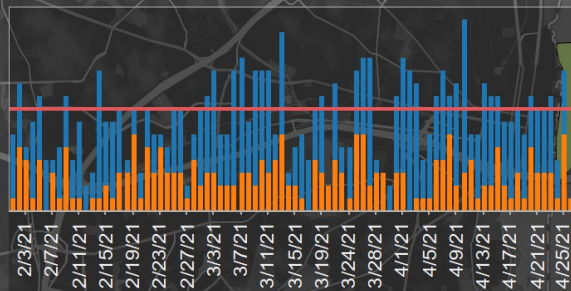
Refusal

No refusal

Refused

Data updated as of:

4/26/2021

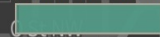


No Measure V.. 29.9%

CHINATOWN	64
TRINIDAD	49
U ST/PLEASANT	44
COLUMBIA HEIG..	41
LINCOLN HEIG..	35
FORT DUPONT	34
FORT LINCOLN..	34
LOGAN CIRCLE/..	32
TWINING	31
SAINT ELIZABET..	29
SW/WATERFRO..	28
CONGRESS HEI..	27
KINGMAN PARK	25
DOUGLASS	24
HISTORIC ANAC..	23
BELLEVUE	21
EASTLAND GAR..	21
BRENTWOOD	20
NAYLOR/HILLCR..	19
UNION STATION	18
BLOOMINGDALE	17
CAPITOL HILL	13
16th ST HEIGHTS	12
EDGEWOOD	11
GWU	10
MARSHALL HEIG..	10
BRIGHTWOOD P..	9
HILL EAST	9
BRIGHTWOOD	7
SHEPHERD PARK	7
WASHINGTON H..	7
SOUTH COLUMB..	6
ADAMS MORGAN	5
GEORGETOWN ..	5
LAMOND RIGGS	5
MICHIGAN PARK	5
FOREST HILLS	4
MOUNT PLEASA..	4
PETWORTH	4
WOODRIDGE	4
CATHEDRAL HEI..	3
DC MEDICAL CE..	2
NATIONAL MALL	2
TENLEYTOWN	2
WOODLEY PARK	2
BARNABY WOO..	1
STADIUM ARMO..	1

Non-fatal Opioid Overdoses

Number of EMS c...



Geographic View

Point

Timespan

Last 1 month

Neighborhood

Multiple values

Refused Transport/Eval

All

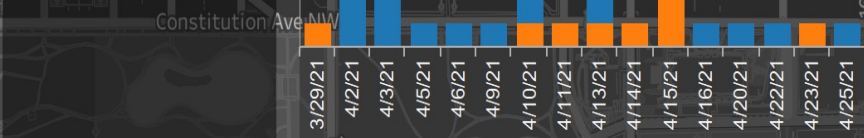
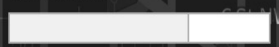
Crosstab

Refusal

- No refusal
- Refused

Data updated as of:

4/26/2021



Neighborhood	Count
CHINATOWN	28
TRINIDAD	20
ST/PLEASANT	19
COLUMBIA HEIG..	17
CONGRESS HELI..	13
FORT LINCOLN..	13
FORT DUPONT	12
LINCOLN HEIGH..	12
LOGAN CIRCLE	12
SW/WATERFRO..	12
BLOOMINGDALE	11
BELLEVUE	10
EASTLAND GAR..	9
TWINING	9
KINGMAN PARK	8
SAINT ELIZABET..	8
CAPITOL HILL	7
DOUGLASS	7
HISTORIC ANAC..	7
SHEPHERD PARK	6
UNION STATION	6
MICHIGAN PARK	5
BRIGHTWOOD P.	4
GEORGETOWN	4
GWU	4
NAYLOR/HILLCR..	4
BRENTWOOD	3
EDGEWOOD	3
LAMOND RIGGS	3
PETWORTH	3
16th ST HEIGHTS	2
ADAMS MORGAN	2
BRIGHTWOOD	2
HILL EAST	2
MARSHALL HEIG..	2
WASHINGTON H..	2
CATHEDRAL HELI..	1
MOUNT PLEASA..	1
NATIONAL MALL	1
SOUTH COLUMB..	1
TENLEYTOWN	1
WOODRIDGE	1

DC SUDORS (STATE UNININTENTIONAL DRUG OVERDOSE REPORTING SYSTEM)

COLLABORATION BETWEEN DC HEALTH AND OCME

Looks at circumstances surrounding fatal overdoses

- Bystanders present in about 30% of deaths
- Most fatalities did not receive naloxone
- Toxicology is >95% fentanyl
- Poly-substance use is very common
- Most people die at home