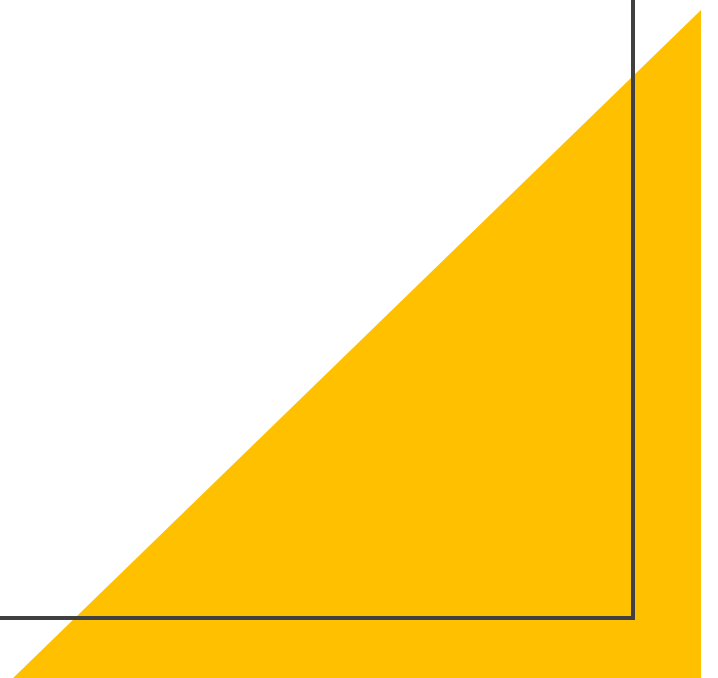# Substance Use Data

Tes La Dieu

Population Health Coordinator

Hampton & Peninsula Health Districts

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3/29/2023

About the Data

- Data requested through VDH Syndromic Surveillance, Office of Chief Medical Examiner, Vital Statistics, and CDC
  - Data request was made for ED visit and OD death rate data for the Cities of Poquoson and Williamsburg and the Counties of James City and York, disaggregated by age from 0-24, and by locality
  - ED visit data was provided, but OD death data was not available due to low counts, data suppression, and privacy concerns based on the disaggregation request
  - Instead, please see HPHD-wide data (all the above listed localities, plus the Cities of Newport News and Hampton

Emergency Department and Urgent Care Visits for All Drug Overdose by Select Localities, March 2021 - February 2023

Locality	Age Group	Count	Rate per 10,000 ED Visits
James City County	0-14	49	23.9
	15-19	39	51.6
	20-24	41	43.4
Poquoson City	0-14	11	27.3
	15-19	*	*
	20-24	*	*
Williamsburg City	0-14	0	0.0
	15-19	*	*
	20-24	*	*
York County	0-14	17	10.7
	15-19	20	30.8
	20-24	14	26.5

File Contents: Counts and rates for emergency department (ED) and urgent care visits for all drug overdose among James City County, Poquoson City, Williamsburg City, and York County residents, March 2021 - February 2023.

Statistics Last Updated: 3/10/23

Data Source: Syndromic surveillance data reporting to the Virginia Department of Health (VDH) by hospitals, freestanding EDs, and urgent care facilities in Virginia.
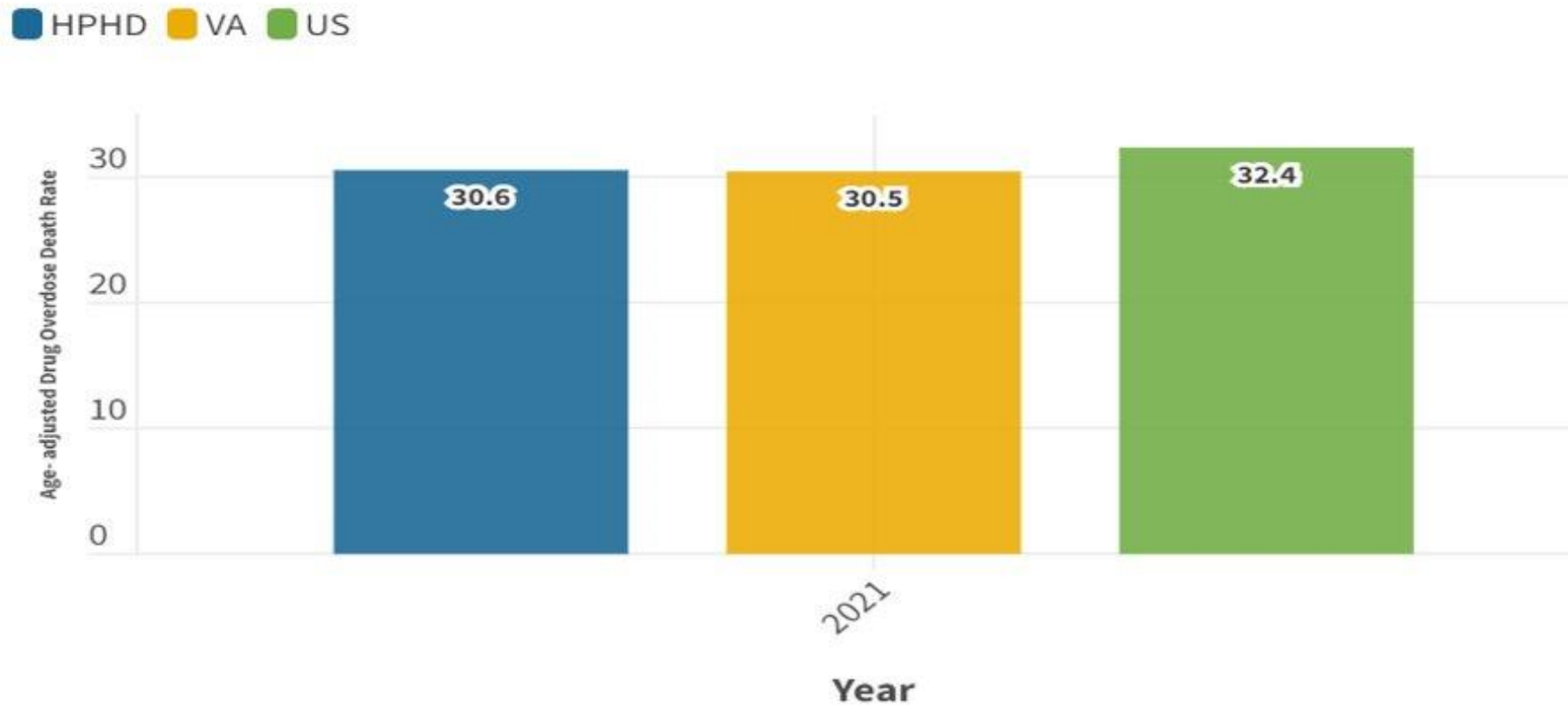
Geography Assignment: Geographic location is assigned based on the patient's residential zip code provided. A single zip code may span multiple city and county localities in Virginia. If a patient resides in a spanning zip code, the visit is assigned to the locality where the majority of the population resides.

Rate Calculation: Rate per 10,000 ED Visits - This metric provides a consistent rate calculation across time when reporting by EDs change (increases or decreases) as compared to the rate per 100,000 population.

Suppression Methodology: Suppression is applied to drug overdose visit counts of 1 to 4 and rates with numerators of 1 to 4 to maintain confidentiality. Suppressed statistics are indicated with an asterisk (*).
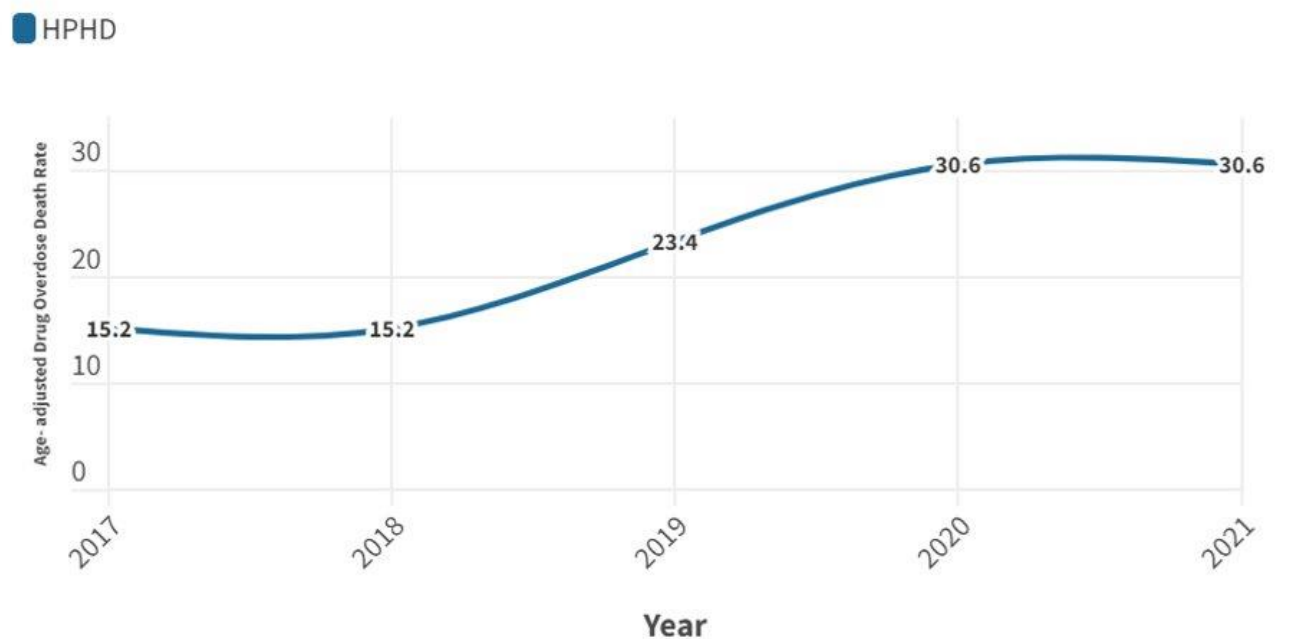
Data Limitations: Data provide information on health trends rather than exact measure of overdoses in the community.

Deaths by Drug Overdose

Age-adjusted Drug Overdose Death Rate (y-axis: 0, 10, 20, 30)

HPHD: 30.6
VA: 30.5
US: 32.4

Year: 2021

Data Source: Death certificate data are from Vital Event Statistics Program, Office of Information Management, Virginia Department of Health. Data analyzed by the Injury and Violence Epidemiology Team, Division of Population Health Data, Office of Family Health Services on March 7, 2023. Data includes deaths of Virginia residents only and based on the current residence in Virginia at time of death. The other race /ethnicity category includes Asian/Pacific Islander, non-Hispanic and Hispanic/Latino(a/x), all races. 2021 US Estimates: Centers for Disease Control and Prevention, National Center for Health Statistics. National Vital Statistics System, Mortality 2018-2021 on CDC WONDER Online Database, released in 2021. Data are from the Multiple Cause of Death Files, 2018-2021, as compiled from data provided by the 57 vital statistics jurisdictions through the Vital Statistics Cooperative Program. Accessed at http://wonder.cdc.gov/ucd-icd10-expanded.html on Mar 18, 2023 8:45:55 AM. 2017-2020 US Estimates: Centers for Disease Control and Prevention, National Center for Health Statistics. National Vital Statistics System, Mortality 1999-2020 on CDC WONDER Online Database, released in 2021. Data are from the Multiple Cause of Death Files, 1999-2020, as compiled from data provided by the 57 vital statistics jurisdictions through the Vital Statistics Cooperative Program. Accessed at http://wonder.cdc.gov/ucd-icd10.html on Mar 16, 2023 10:53:25 AM
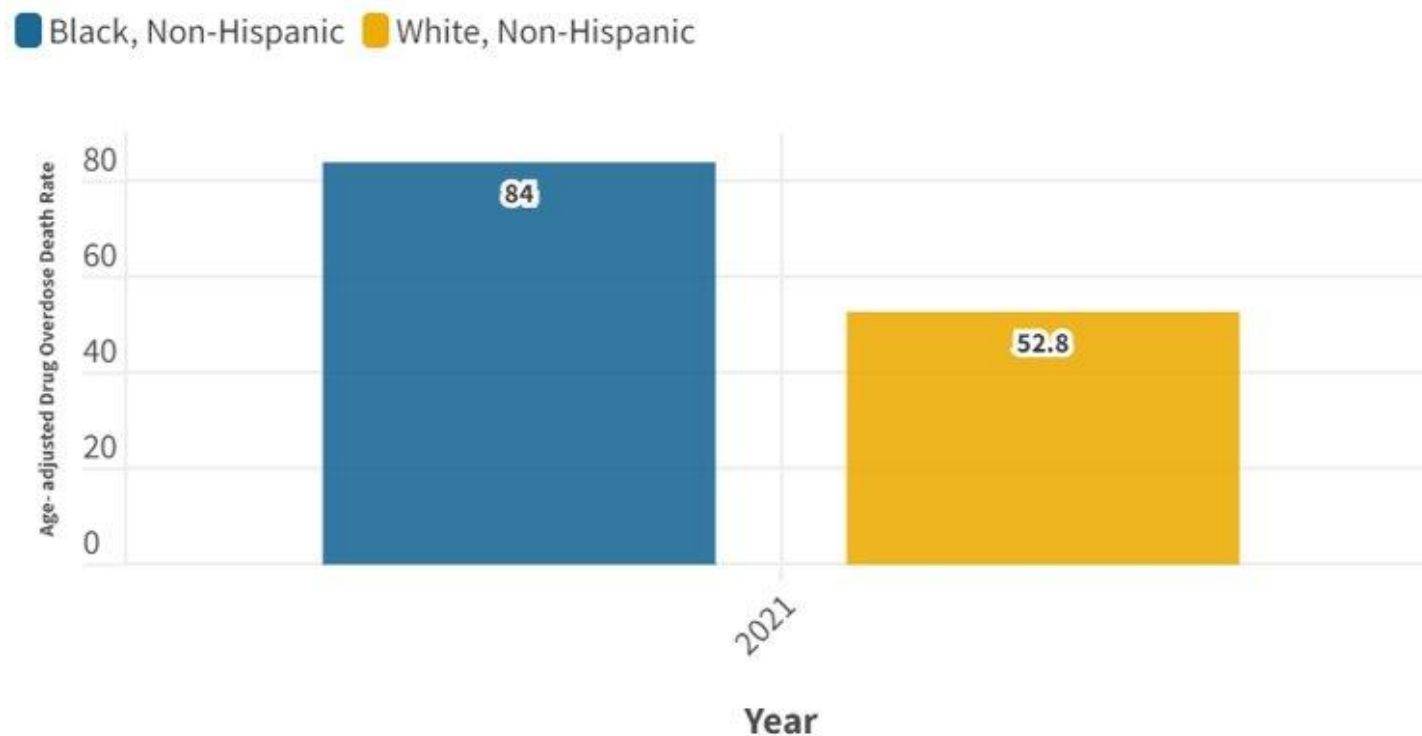
Deaths by Drug Overdose
HPHD Five-year Trend
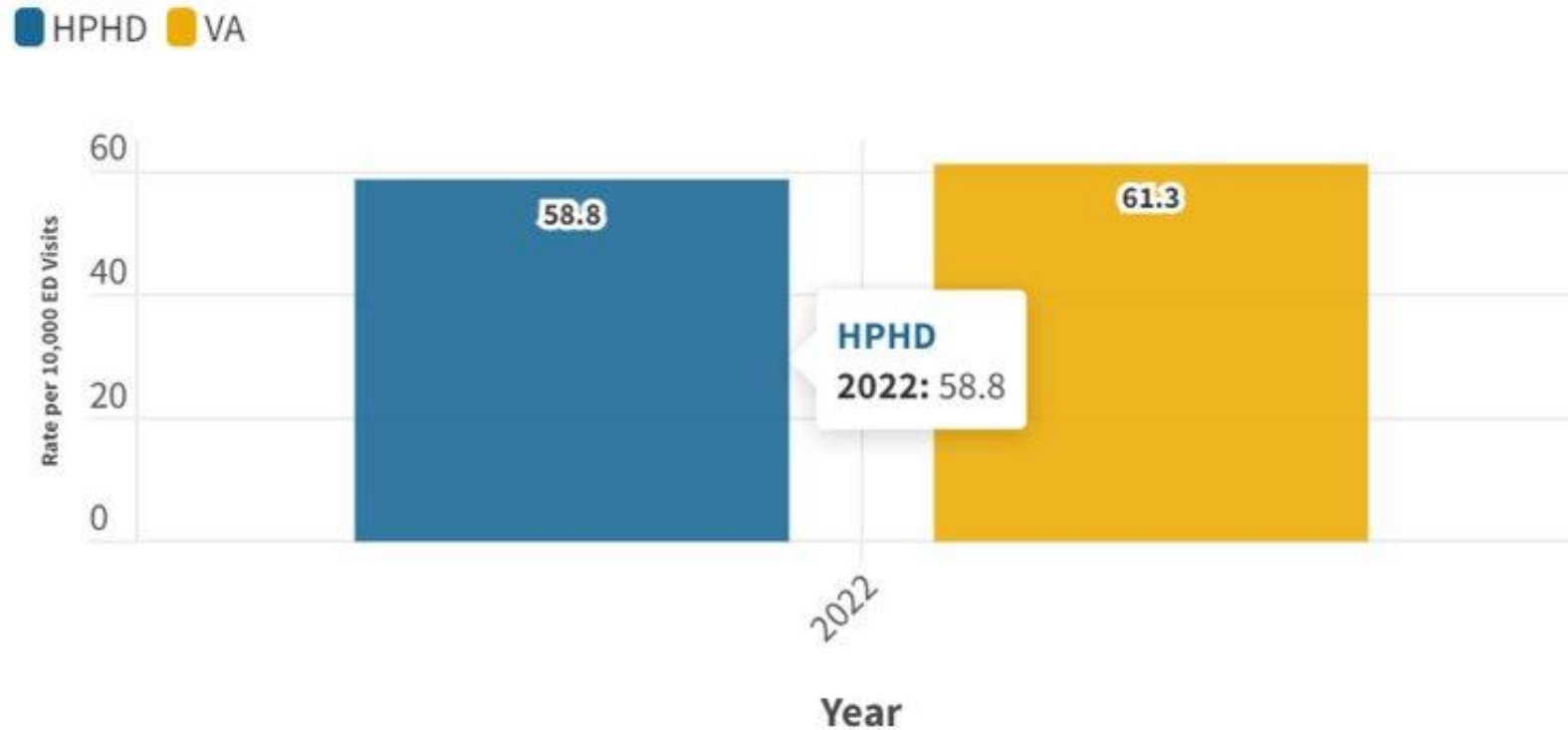
Data Source: Death certificate data are from Vital Event Statistics Program, Office of Information Management, Virginia Department of Health. Data analyzed by the Injury and Violence Epidemiology Team, Division of Population Health Data, Office of Family Health Services on March 7, 2023. Data includes deaths of Virginia residents only and based on the current residence in Virginia at time of death. The other race /ethnicity category includes Asian/Pacific Islander, non-Hispanic and Hispanic/Latino(a/x), all races. 2021 US Estimates: Centers for Disease Control and Prevention, National Center for Health Statistics. National Vital Statistics System, Mortality 2018-2021 on CDC WONDER Online Database, released in 2021. Data are from the Multiple Cause of Death Files, 2018-2021, as compiled from data provided by the 57 vital statistics jurisdictions through the Vital Statistics Cooperative Program. Accessed at http://wonder.cdc.gov/ucd-icd10-expanded.html on Mar 18, 2023 8:45:55 AM. 2017-2020 US Estimates: Centers for Disease Control and Prevention, National Center for Health Statistics. National Vital Statistics System, Mortality 1999-2020 on CDC WONDER Online Database, released in 2021. Data are from the Multiple Cause of Death Files, 1999-2020, as compiled from data provided by the 57 vital statistics jurisdictions through the Vital Statistics Cooperative Program. Accessed at http://wonder.cdc.gov/ucd-icd10.html on Mar 16, 2023 10:53:25 AM

Deaths by Drug Overdose; HPHD
By Race/Ethnicity

■ Black, Non-Hispanic ■ White, Non-Hispanic

Age- adjusted Drug Overdose Death Rate

Black, Non-Hispanic: 84
White, Non-Hispanic: 52.8

2021

Year

Emergency Department Visits for Unintentional All Drug Overdose
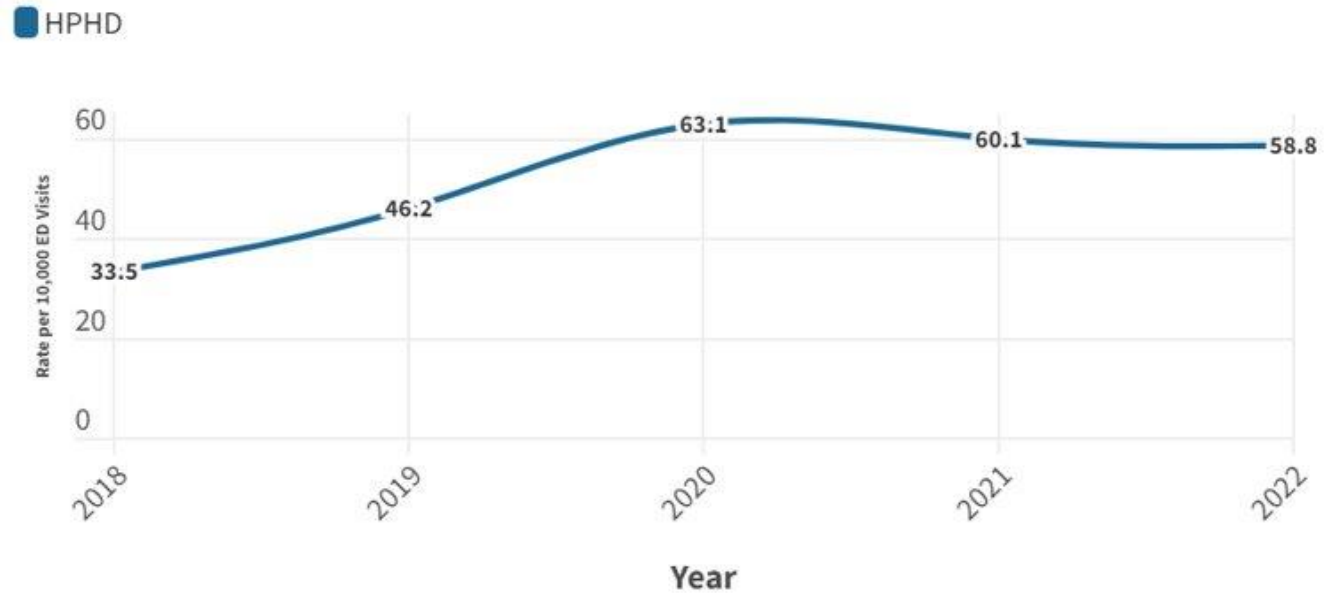HPHD vs. VA

Data Source: Syndromic surveillance data reporting to the Virginia Department of Health (VDH) by hospitals and freestanding EDs in Virginia.
Case Definitions: ED visits are categorized into the following drug overdose case definitions: 1) opioid or unspecified substance, 2) heroin, 3) all drugs, and 4)stimulant.

Emergency Department Visits for Unintentional All Drug Overdose

HPHD Five-year Trend

HPHD

Rate per 10,000 ED Visits

60
40
20
0

33:5
46:2
63:1
60.1
58.8

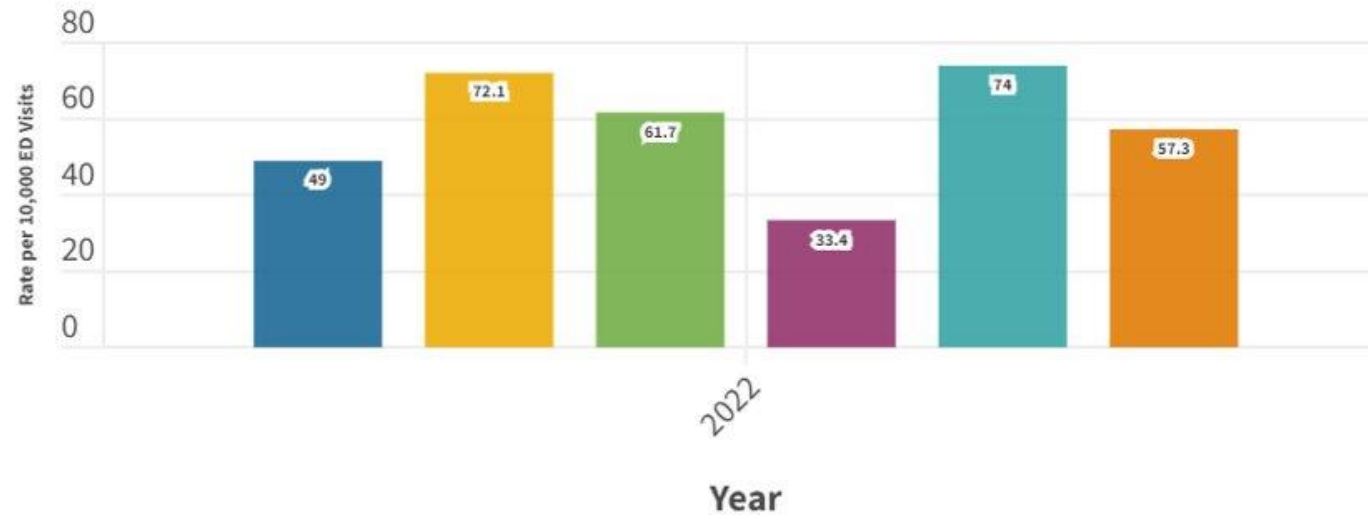2018   2019   2020   2021   2022

Year

Data Source: Syndromic surveillance data reporting to the Virginia Department of Health (VDH) by hospitals and freestanding EDs in Virginia.
Case Definitions: ED visits are categorized into the following drug overdose case definitions: 1) opioid or unspecified substance, 2) heroin, 3) all drugs, and 4)stimulant.

Emergency Department Visits for Unintentional All Drug Overdose; HPHD
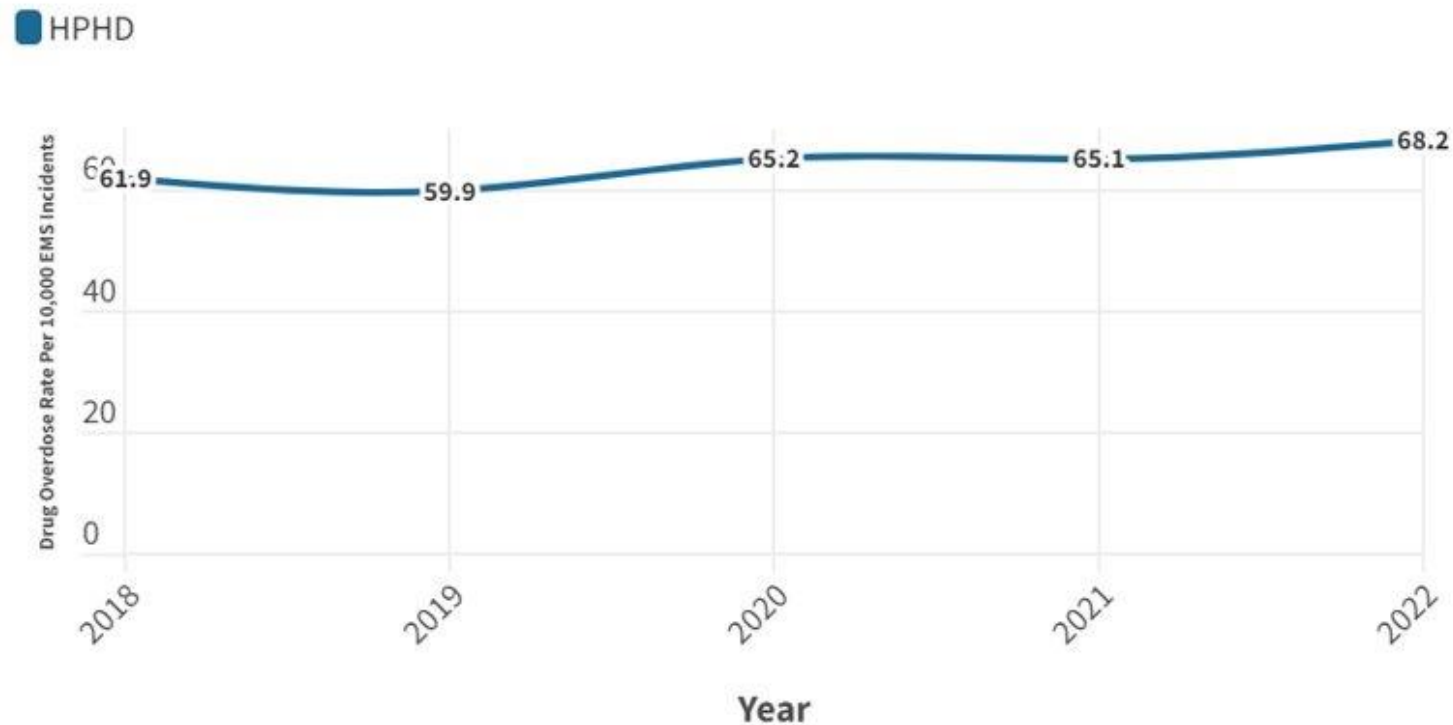By Race/Ethnicity

Data Source: Syndromic surveillance data reporting to the Virginia Department of Health (VDH) by hospitals and freestanding EDs in Virginia.
Case Definitions: ED visits are categorized into the following drug overdose case definitions: 1) opioid or unspecified substance, 2) heroin, 3) all drugs, and 4)stimulant.

EMS runs for drug overdose rate
HPHD Five-year Trend

Data Source: The Virginia Office of Emergency Medical Services (OEMS) reporting to HPHD by ESO Pre-hospital Data System. The data fields utilized in this report were Agency ID, Record ID, Agency Name, Agency Number, Patient Gender, Patient Race, Patient Age, Patient Age Units, Incident State, Incident Zip Code, Incident County FIPS, Incident County, Incident City, Provider's Primary Impression, Alcohol/Drug Indicators, Type of Service Requested, Unit Notified by Dispatch Date/Time, and Incident/Patient Disposition. Mar 8, 2023.