

OPH Bureau of Health Informatics

OVERDOSE DATA AND SURVEILLANCE UPDATE





This presenter has no financial or commercial relationship relevant to the educational content of this presentation and/or in the planning of this educational activity.

Louisiana Opioid Surveillance Initiative

- Located in the Office of Public Health, Bureau of Health Informatics
- **Mission:** To assemble and analyze both new and existing data on the opioid epidemic in Louisiana that will provide education, inform prevention of disease and injury, and support intervention and treatment, all aimed at reducing the impact of opioid use disorder in the state.
- Establishing this program as the subject matter experts on opioid use disorder data statewide.

Current Opioid Surveillance Activities



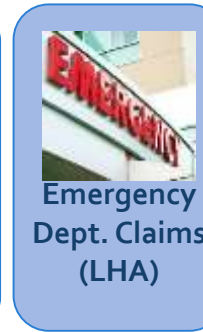
EMS/ First
Responder



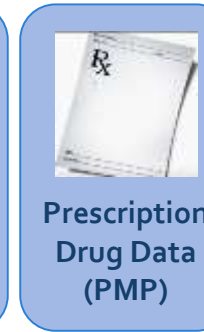
Death
Records
(OPH)



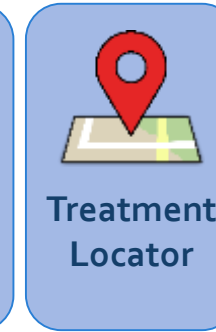
Inpatient
Discharge
Claims
(OPH)



Emergency
Dept. Claims
(LHA)



Prescription
Drug Data
(PMP)



Treatment
Locator



Treatment
Utilization



Social
Determinants of
Health

- Report suspected drug overdoses from emergency department surveillance.
- Collaborate with coroners and toxicology labs to collect descriptions of drug overdose death circumstances.
- Cover costs of comprehensive toxicology testing on behalf of 56 parish coroners.
- Continuation of health outcomes and healthcare utilization data on LODSS (<https://lodss.ldh.la.gov>)



More than 107,000 Americans died from overdoses last year. This drug is behind most deaths.

Deaths from the synthetic opioid fentanyl increased 23% to account for two-thirds of overdoses last year, according to the Centers for Disease Control and Prevention.



PUBLIC HEALTH

Overdose deaths continued to rise in 2021, reaching historic highs

May 11, 2022 · 3:22 PM ET

Heard on [All Things Considered](#)



Drug Overdose Deaths in the U.S. Are Increasing More in Black and Indigenous Populations

The CDC reports a 44 percent increase in drug overdose fatalities in Black people and a 39 percent increase in Native Americans from 2019 to 2020



In 2021, US drug overdose deaths hit highest level on record, CDC data shows

By Deldre McPhillips, CNN

The New York Times

Overdose Deaths Reached Record High as the Pandemic Spread

More than 100,000 Americans died from drug overdoses in the yearlong period ending in April, government researchers said.

Bloomberg

US Overdose Deaths Soared 15% to Top 100,000 Last Year, CDC Says

- Opioids accounted for about three-quarters of the total
- Substance abuse has increased sharply during the Covid crisis



Medical Economics

COVID-19, drug overdoses drag down U.S. life expectancy in 2021

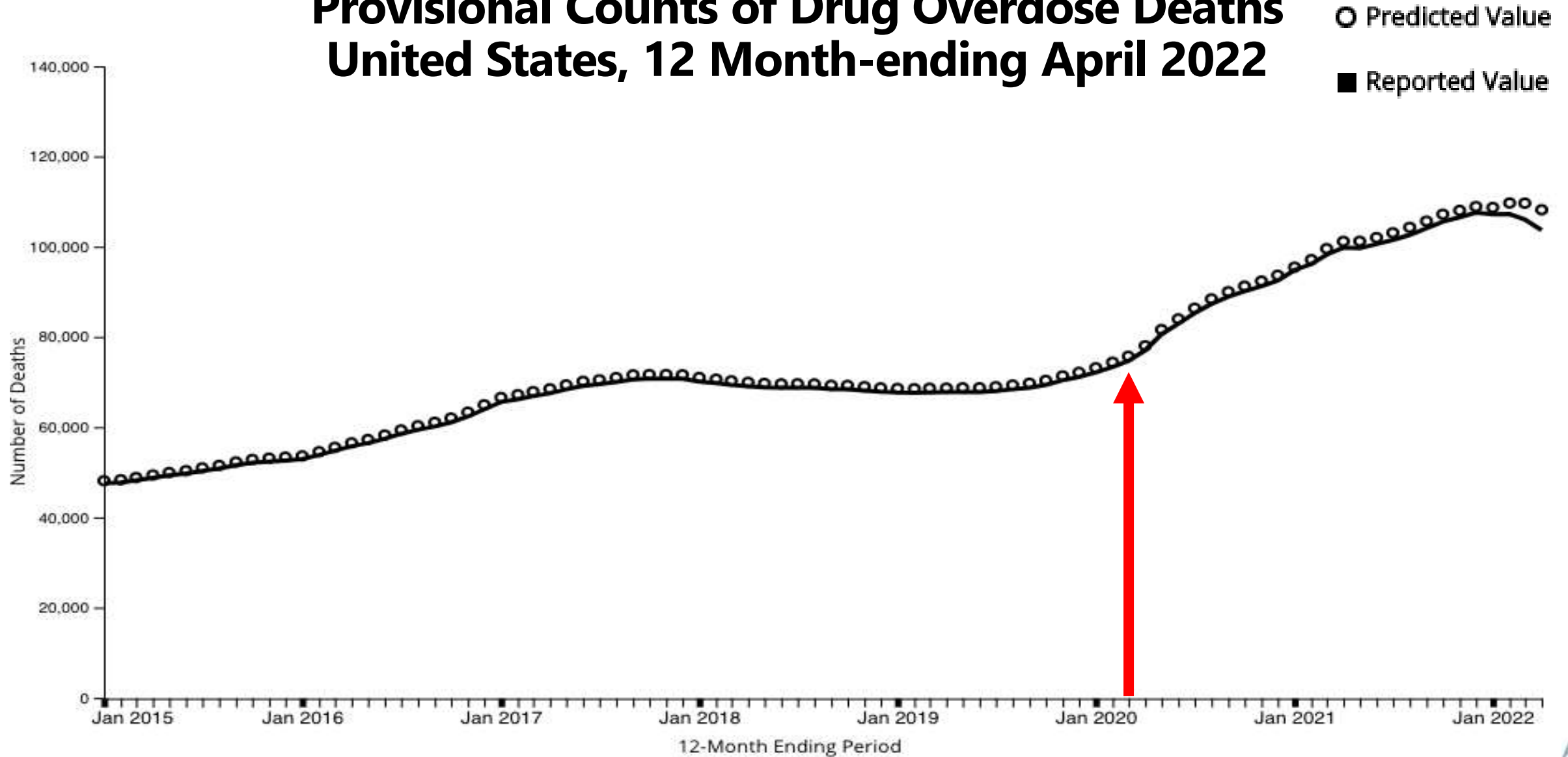
September 1, 2022

2021 National Data

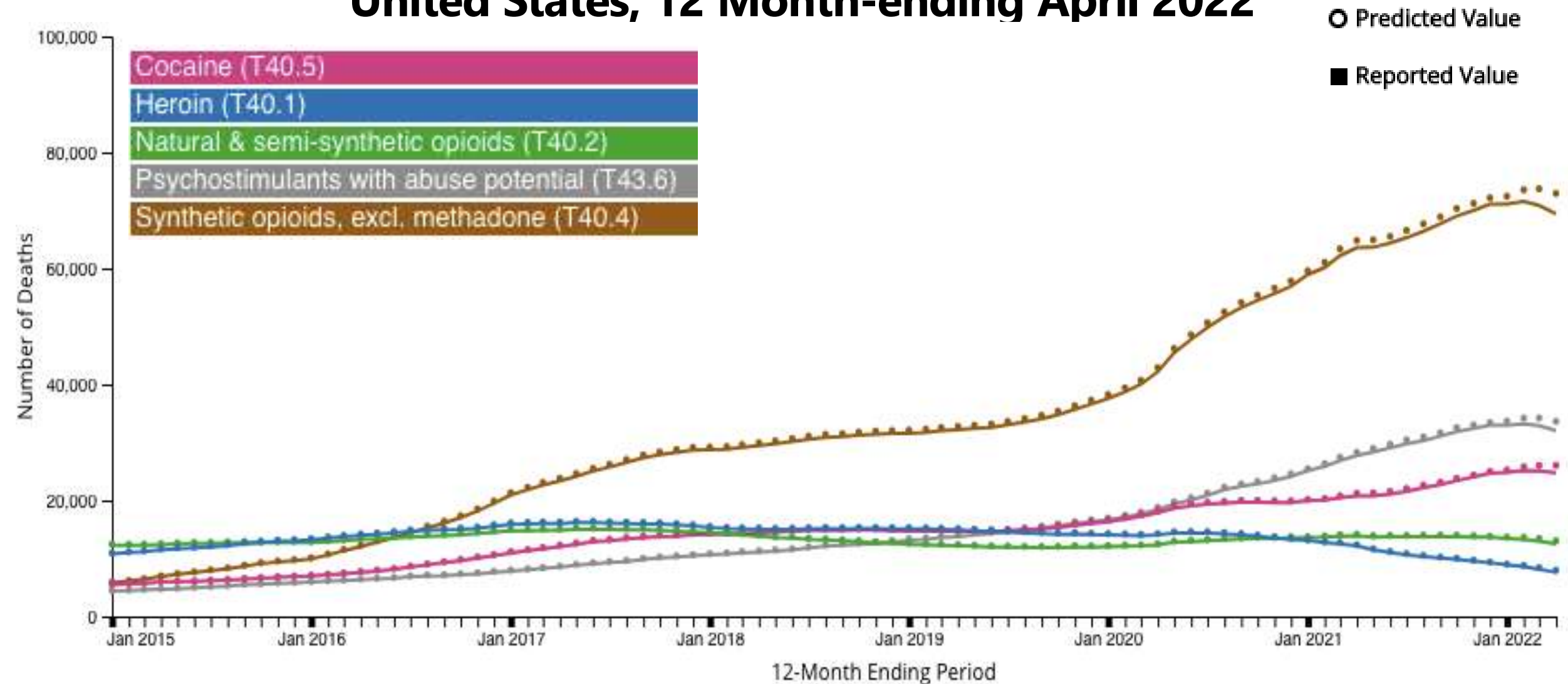
- CDC has reported a 14.9% increase in drug overdose deaths from 2020.
- In 2021, more than 107,000 individuals died of a drug overdose in the US.
- An estimated 71,238 people died of overdoses from synthetic opioids, 23% over 2020.

• <https://www.cdc.gov/nchs/nvss/vsrr/drug-overdose-data.htm>

Provisional Counts of Drug Overdose Deaths United States, 12 Month-ending April 2022

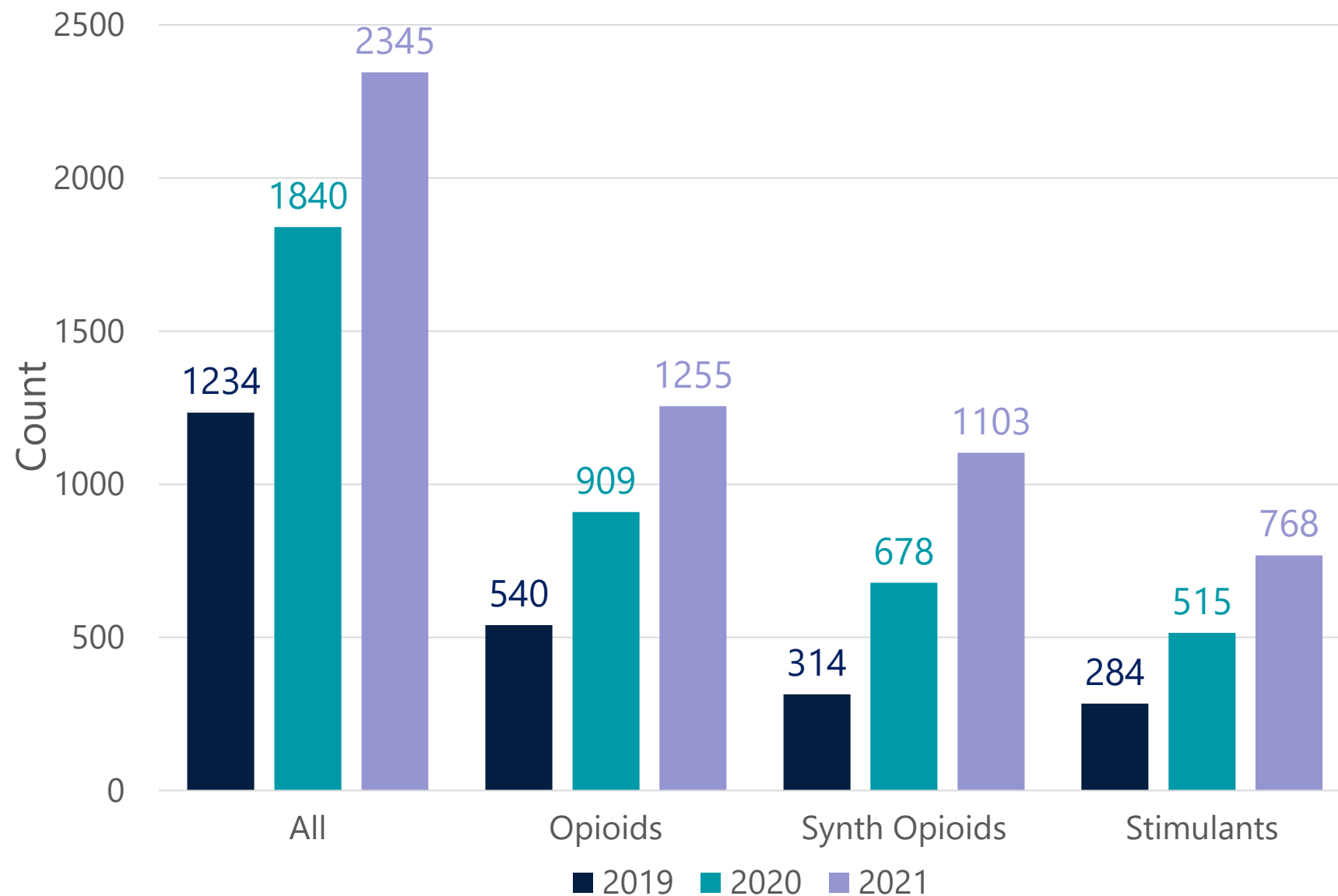


Number of Drug Overdose Deaths by Drug Type United States, 12 Month-ending April 2022



Drug Poisoning Deaths by Type

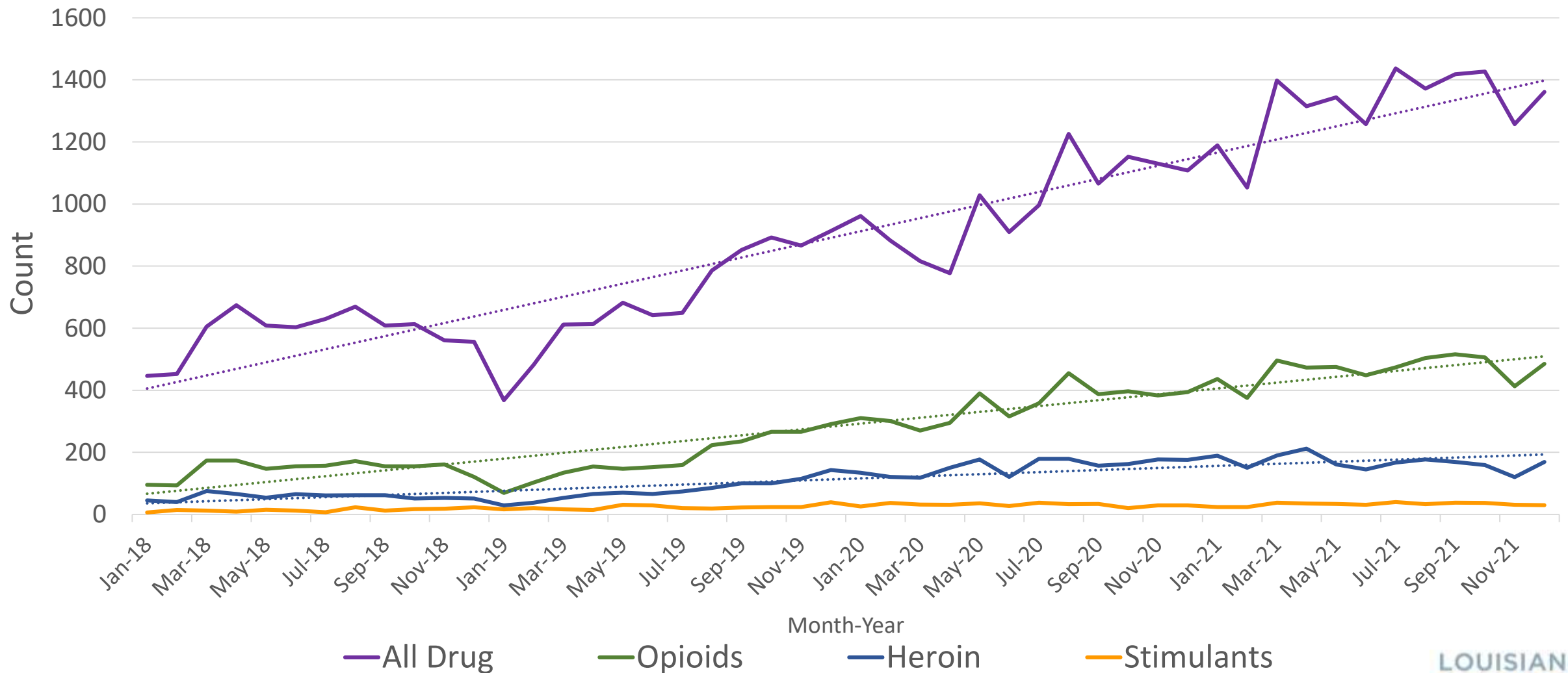
Louisiana, 2019-2021



Source: Louisiana Electronic Event Registration System, extracted 8/2022 by the Louisiana Opioid Surveillance Initiative

Emergency Department Overdose Visits by Category

Louisiana, 2018-2021

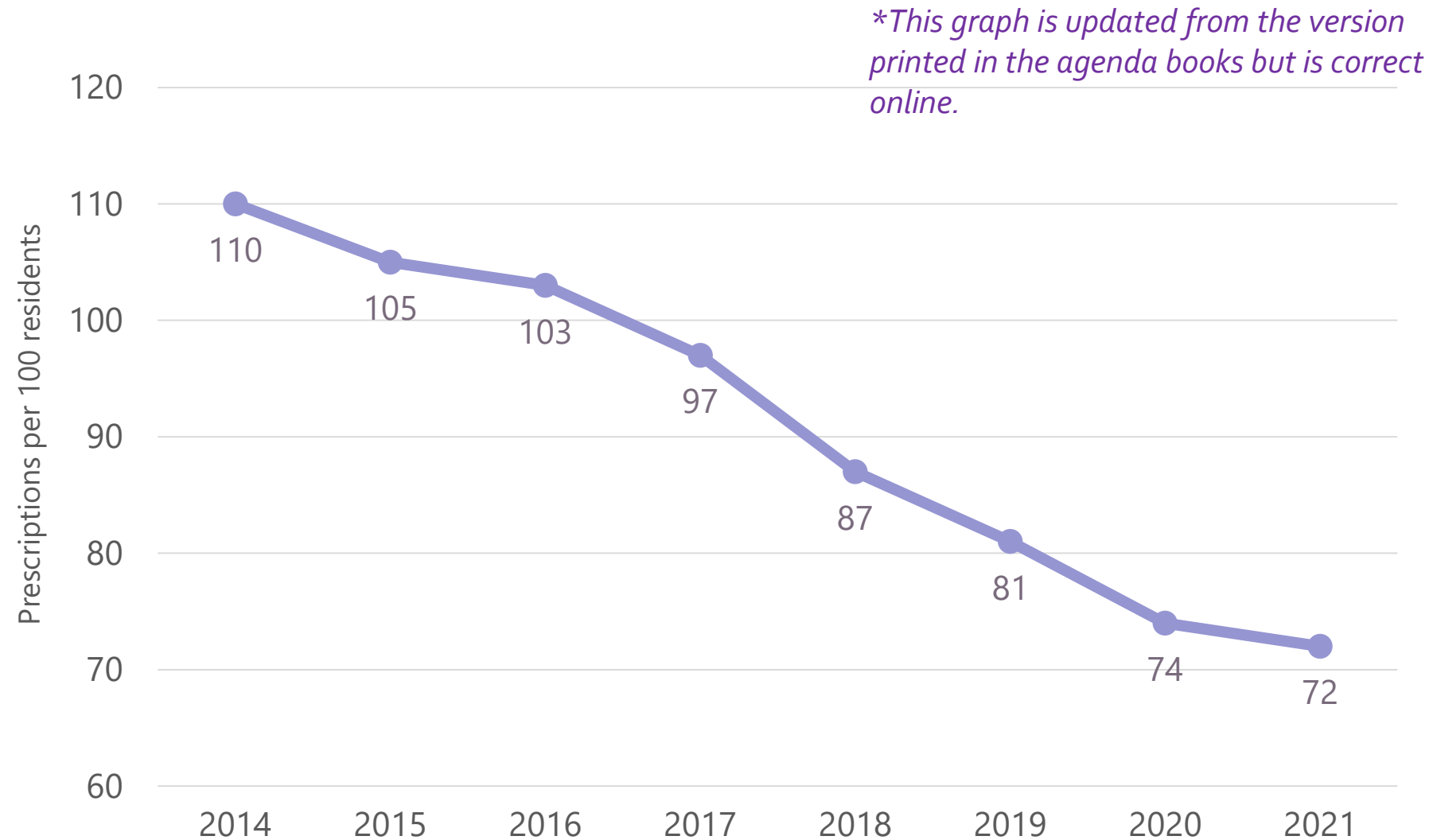


Top Five Prescriptions in Louisiana PMP by Generic Name and Type, 2021

Drug Generic Name	Drug Type	Number of Prescriptions	Percent of Total
Hydrocodone	Opioid	1,570,859	13.4%
Gabapentin	Anticonvulsant/ Nerve pain	1,433,925	12.3%
Dextroamphetamine	Stimulant	1,150,506	9.9%
Alprazolam	Benzodiazepine	914,797	7.8%
Tramadol	Opioid	654,083	5.6%
Other Controlled Substances		5,949,248	51%
Total Prescriptions		11,673,418	100.0%
Source: Louisiana Prescription Monitoring Program, Louisiana Board of Pharmacy. Retrieved 9/01/2022 by the Louisiana Opioid Surveillance Initiative			

Total opioid prescriptions per 100 Residents

Louisiana, 2014 – 2021

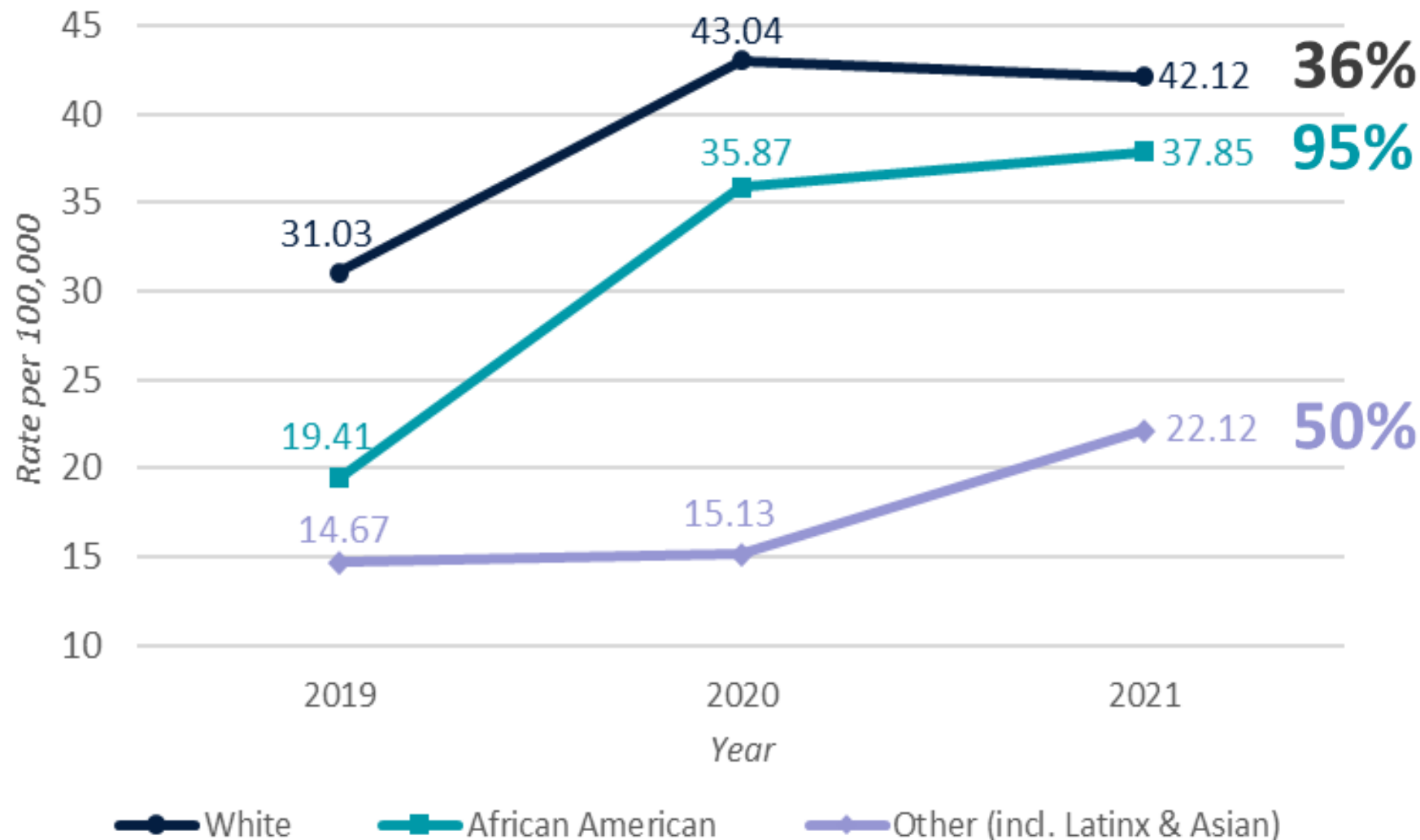


The graph has been magnified to 60-120 to better display the trend.

Source: Louisiana Prescription Monitoring Program, Louisiana Board of Pharmacy, extracted 08/2022 by the Louisiana Opioid Surveillance Initiative

Rates of Drug Poisoning Deaths per 100,000 Residents by Race by Year

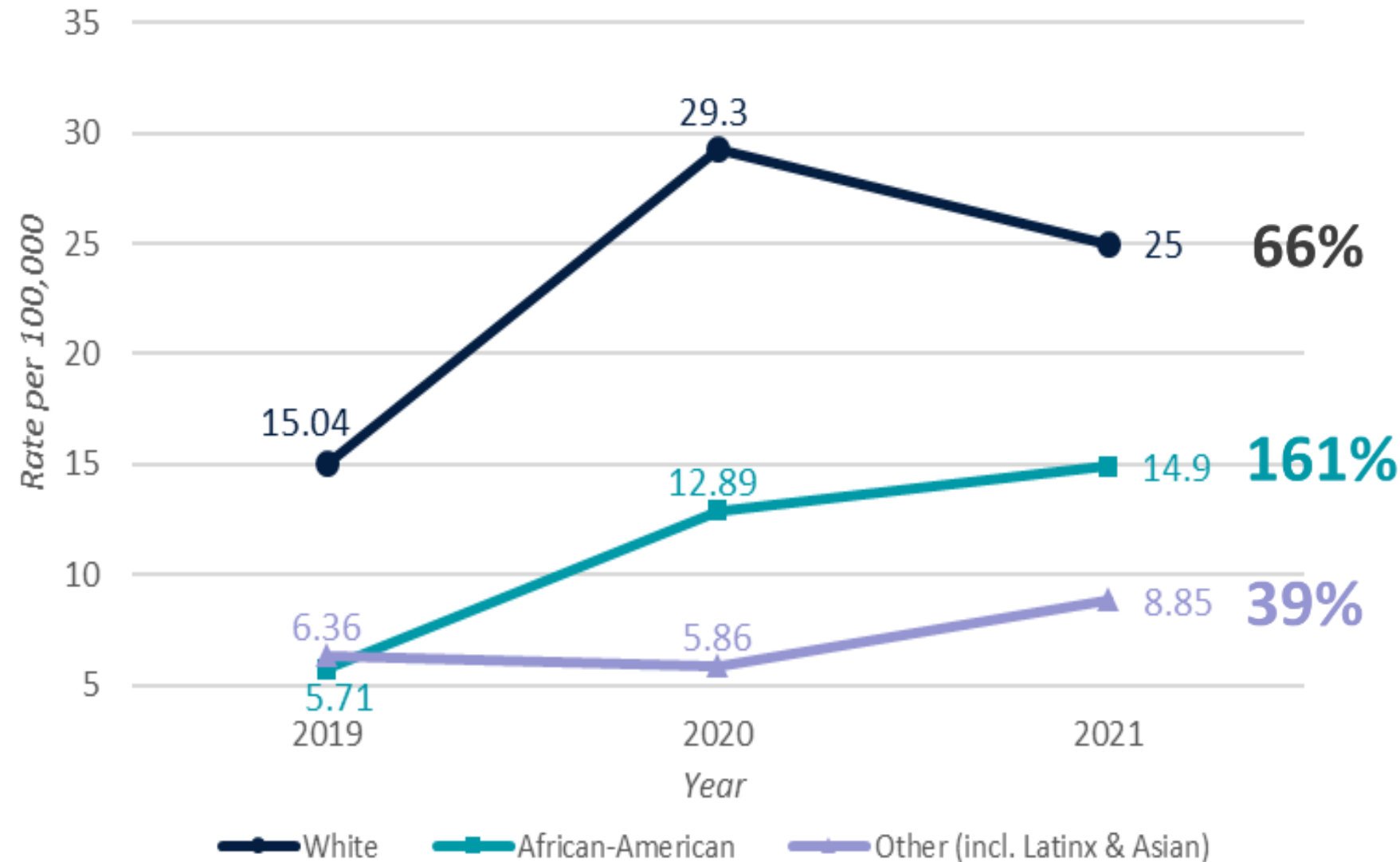
Louisiana,
2019-2021



Source: Louisiana Electronic Event Registration System, extracted 9/2022 by the Louisiana Opioid Surveillance Initiative

Rates of Opioid Poisoning Deaths per 100,000 Residents by Race by Year

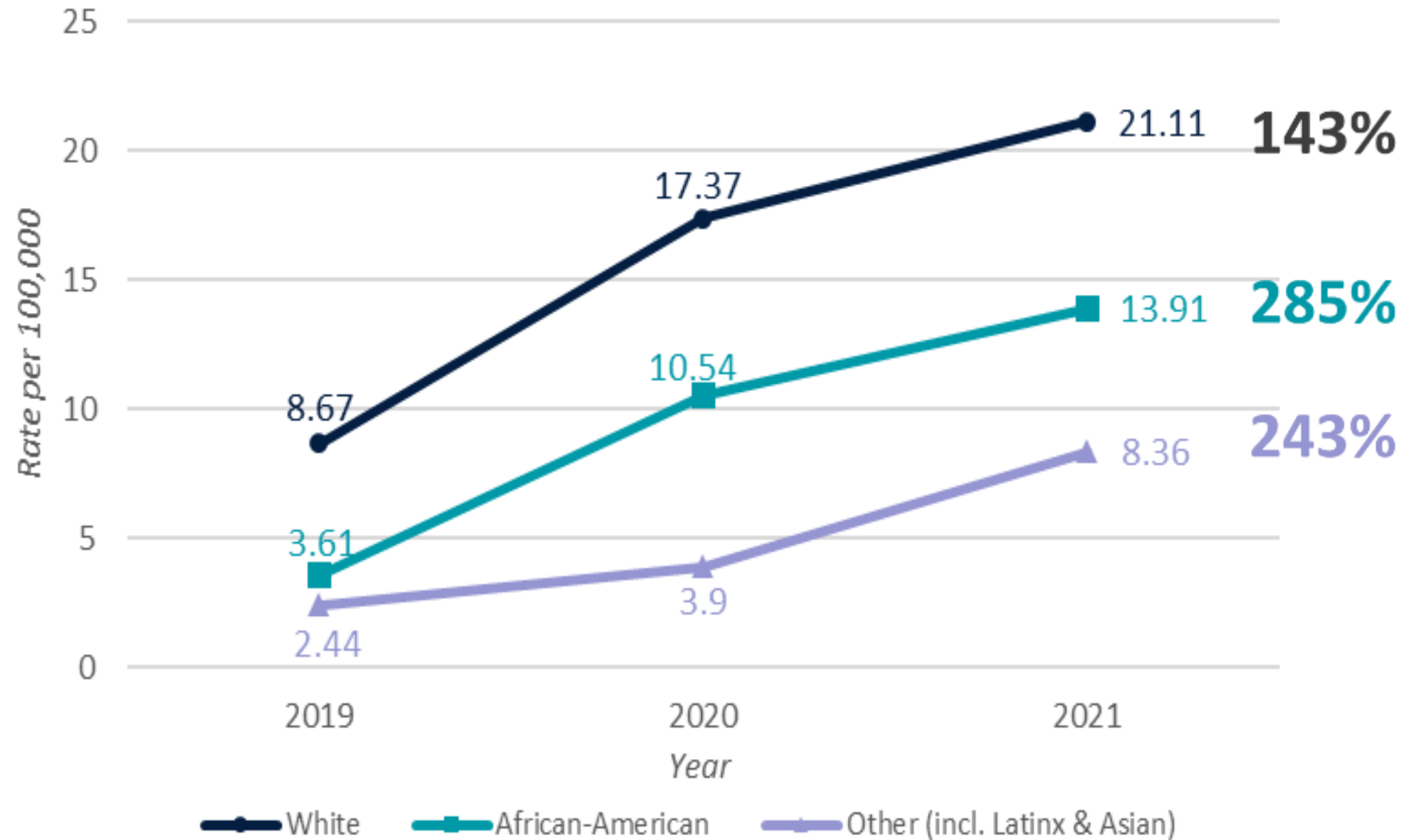
Louisiana, 2019-2021



Source: Louisiana Electronic Event Registration System, extracted 9/2022 by the Louisiana Opioid Surveillance Initiative

Rates of Synthetic Opioid Poisoning Deaths per 100,000 Residents by Race by Year

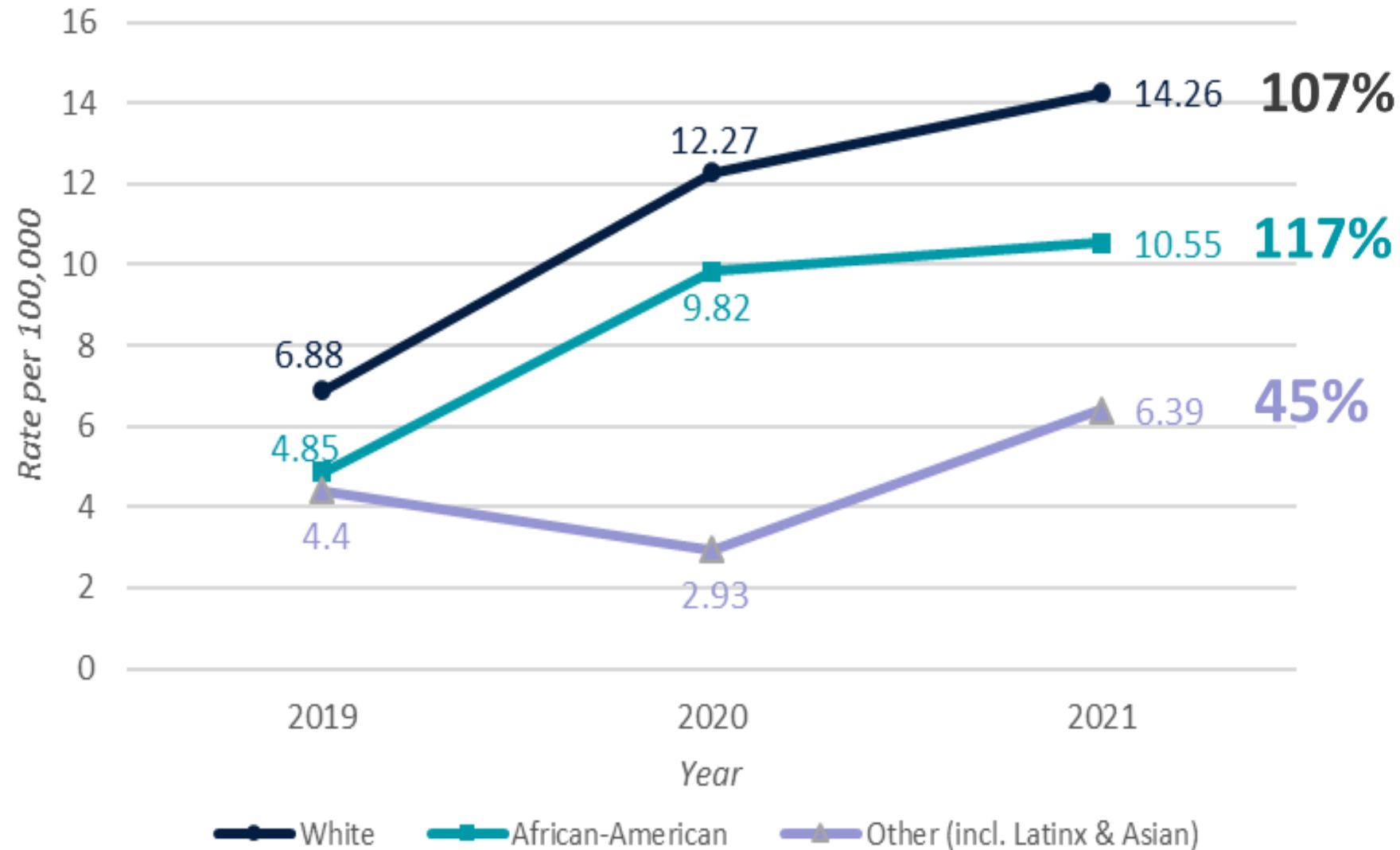
Louisiana, 2019-2021



Source: Louisiana Electronic Event Registration System, extracted 9/2022 by the Louisiana Opioid Surveillance Initiative

Rates of Stimulant Poisoning Deaths per 100,000 Residents by Race by Year

Louisiana, 2019-2021



Source: Louisiana Electronic Event Registration System, extracted 9/2022 by the Louisiana Opioid Surveillance Initiative

WHY HAS THIS HAPPENED?

COVID-19 Impacts

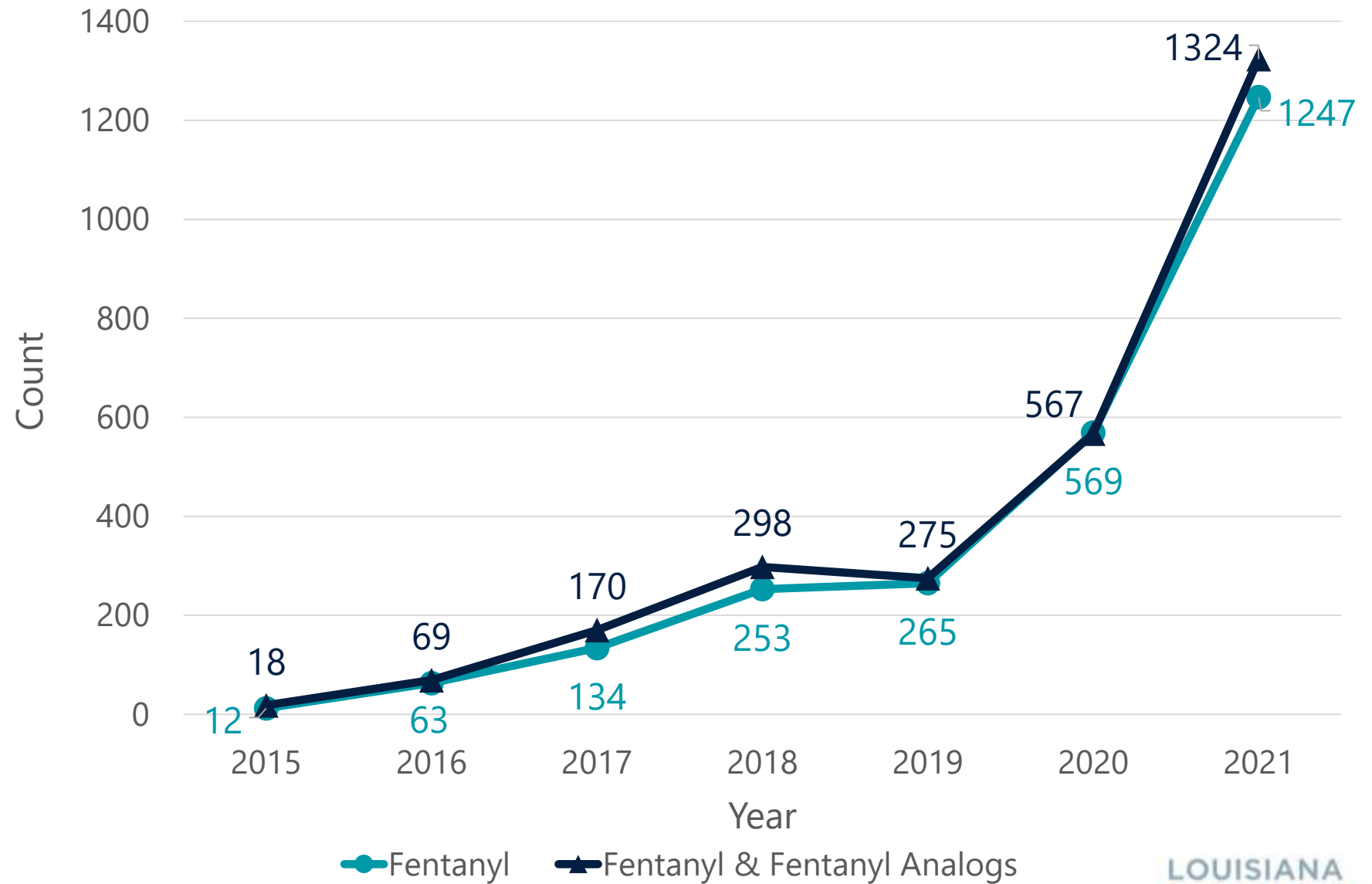
- Social distancing/isolation
- Shift to telehealth in treatment
- Redirection of public health resources
- Disruption of drug supply chains
- Exacerbation of key determinants of drug use

Street drugs are becoming more toxic.

Black Americans exposed to unexpected and toxic levels of fentanyl more often.

Seized Items Testing Positive for the Presence of Fentanyl

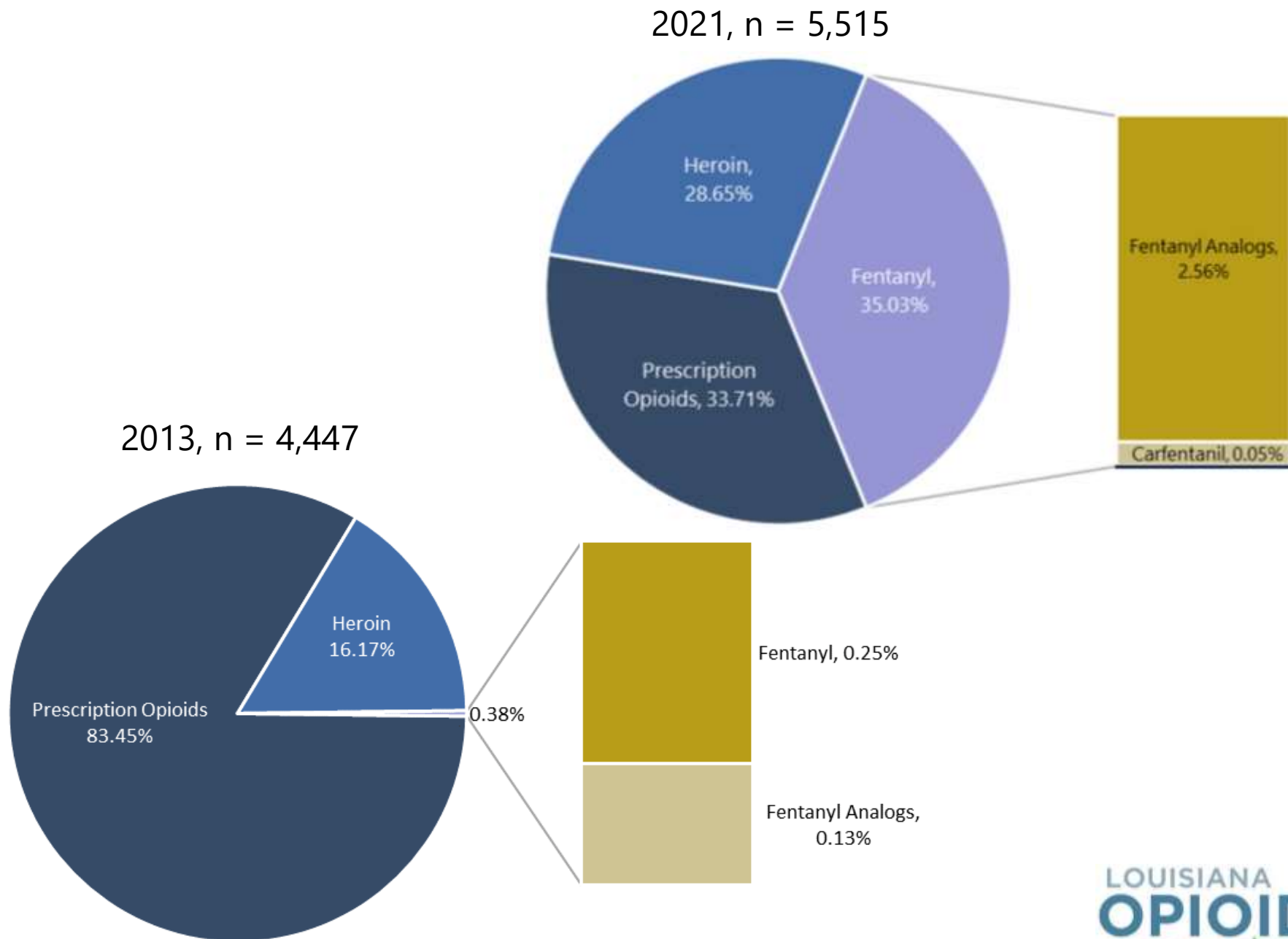
Louisiana
2009-2021



Source: Louisiana State Police Crime Laboratory

National Forensic Laboratory Information System (NFLIS) Drug Chemistry Analysis

Louisiana, 2021



Source: National Forensic Laboratory Information System, extracted 9/2022 by the Louisiana Opioid Surveillance Initiative



Louisiana Opioid Data and Surveillance System

Dashboard Query Fact Sheets

HOME VIDEO TUTORIAL FAQ QUICK LINKS

2,121

Drug-involved deaths
(death location), 2020

982

Opioid-involved deaths
(death location), 2020

13,890

Drug poisoning-related
ED visits, 2018

45

Stimulant prescriptions
per 100 people
(prescriber location),
2020

74

Opioid analgesic
prescriptions per 100
people (prescriber
location), 2020

SYSTEM UPDATES

6/15/2022

The opioid surveillance program is updating LODSS as the central location for all of its data visualization and data dissemination products.

- The homepage will remain as a dashboard for quick facts. Clicking the boxes will take the user to the map and graphs for that indicator.
- The query for all overdose-related measures can be accessed using the link at the bottom of the

by tab at the top.

s and public presentations will
ct Sheets tab at the top

Explore Opioid and Other Drug Data in Louisiana

The Louisiana Department of Health (LDH) is working to address Louisiana's opioid problem by targeting resources for treatment throughout our state with focused attention on a... supporting these strate... development.

The Louisiana Opioid D... understand, analyze, and apply data to statewide opioid abuse reduction efforts. Its goal is to evaluate the impact of programmatic and policy efforts and track the behavior of what is now considered a public health epidemic nationwide.

Data within this system is interactive, and can be viewed in different formats, such as table, graphs and maps. The data displays, which have been carefully designed and reviewed by health experts and data specialists, allow various indicators to be explored geographically and over time. To request custom datasets and data visualizations, please [submit a request here](#).

Acknowledgments: The site was funded through a partnership between the LDH Office of Public Health, Bureau of Health Informatics and the CDC National Center for Injury Prevention and Control, Cooperative Endeavor Agreement 6 NU17CE924870-02-01.

<https://lodss.ldh.la.gov>

Tell us what you think!

Subscribe



Find Treatment Now

[Click here to search Louisiana's drug overdose data](#)

Mailing: Louisiana Department of Health | P.O. Box 629 | Baton Rouge, LA 70821-0629

Physical: 628 N. 4th Street | Baton Rouge, LA 70802 | Phone: 225.342.9500 | Fax: 225.342.5568

Medicaid Customer Service: 1.888.342.6207 | Healthy Louisiana: 1.855.229.6848

Disclaimer | Custodian of Records | v.3.1.0

THANK YOU!

Lee Mendoza, Ph.D.

Director

OPH Bureau of Health Informatics

healthinformatics@la.gov

(225) 342-4901

Contributors/Epidemiologists: Tranettea Williams, MPH, Anne-Sophie Lasley, MPH, Melinda Williams, MPH, Nell Wilson, MPA, Katie Chapman, RN, and Arun Adhikari, Ph.D.