

# Patterns of and Trends in Substance Use in Florida: Annual Update Report 2024

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# Objectives

- Identify updates in substance use trends in Florida.
- Understand patterns of substance use regionally and statewide.
- Identify substance use trends for fatal and non-fatal overdoses in Florida.

# Introduction

The 2024 Annual Update Report, *Substance Use Trends in Florida*:

- Offers new Florida data trends available after the release of the 2024 Annual Report.
- Presents information primarily for and about Florida with a focus on youth trends in substance misuse in Florida.
- Provides an update on substance-related deaths from the Florida Medical Examiner's 2023 Interim Report, published July 2024.

# Data Sources

- Based on data released following the preparation of the 2024 Annual Report, *Patterns and Trends of Substance Use Within and Across the Regions of Florida*, published in June 2024.
  - Centers for Disease Control and Prevention (CDC)
  - Florida Health Charts, sponsored by the Florida Department of Health
  - *Drugs Identified in Deceased Persons by Florida Medical Examiners: 2023 Annual Update Report*, prepared by the Florida Medical Examiners Commission
  - 2024 Florida Youth Substance Abuse Survey (FYSAS)

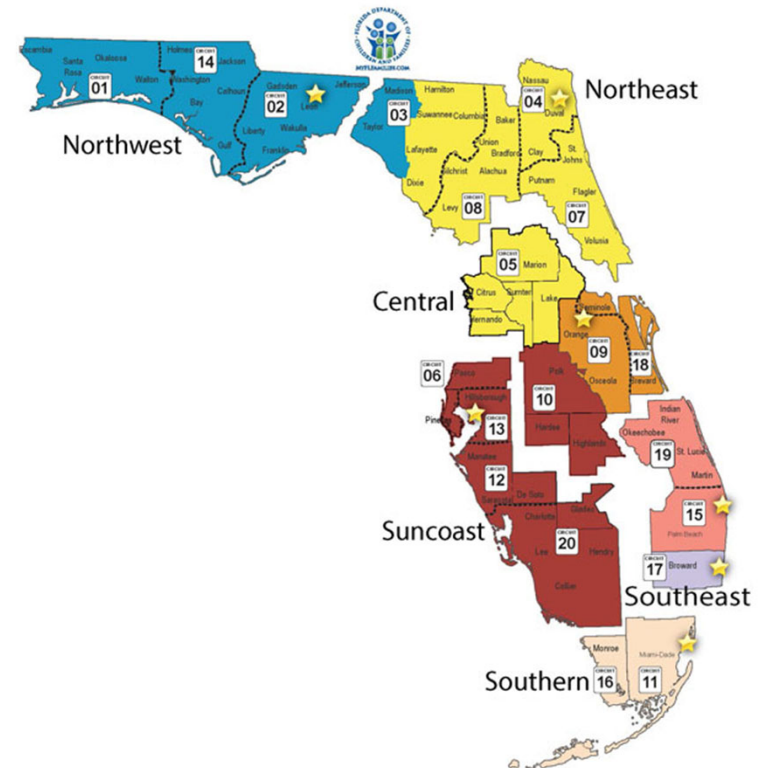
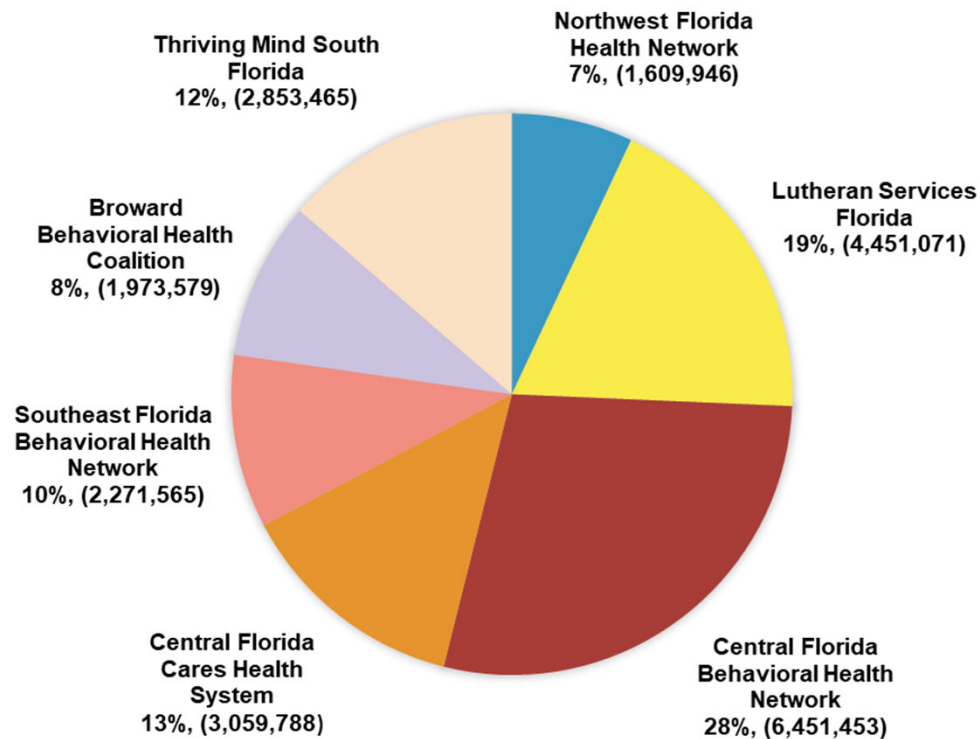
# Methodology

- The [Florida Youth Substance Abuse Survey \(FYSAS\)](#) assesses risk and protective factors for substance use and is administered to Florida's middle and high school students.
- Data on substance use among adults and youth in the United States and Florida is from the [National Survey on Drug Use and Health](#) (NSDUH), sponsored by the Substance Abuse and Mental Health Services Administration (SAMHSA). This source provides the prevalence of substance use based on survey responses.

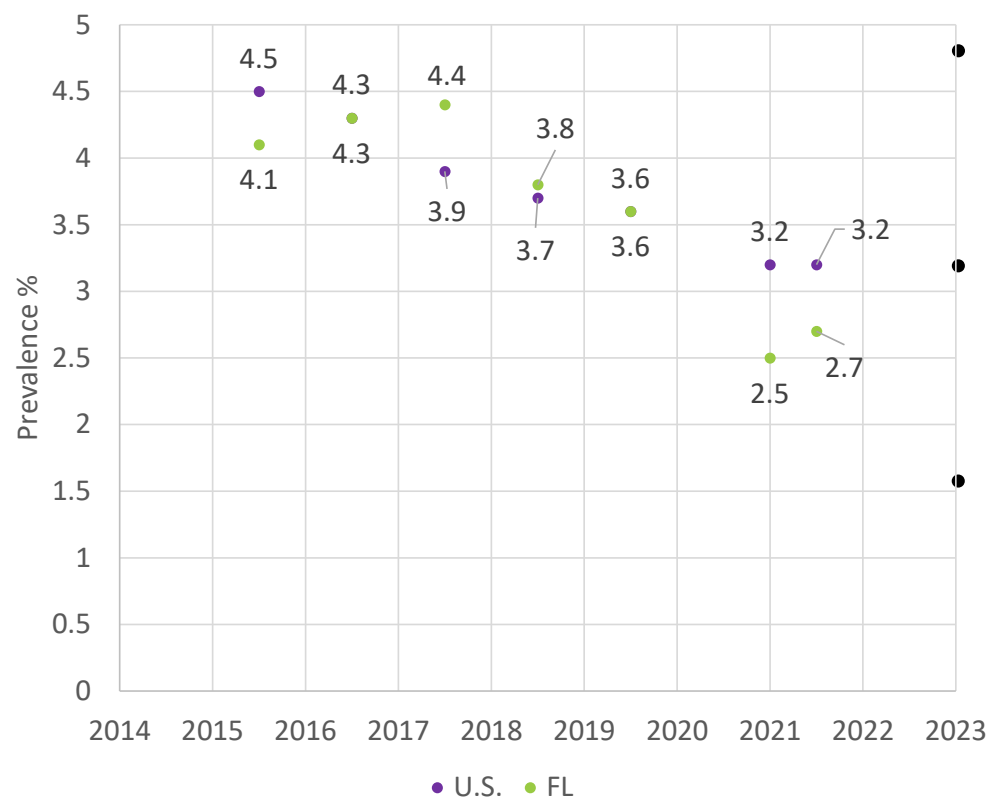
# Methodology

- Morbidity (hospitalizations and emergency department visits) rates for the United States are age-adjusted data. Florida-specific morbidity rates were obtained through the public-facing dashboard [FL Health CHARTS, provided by Florida Department of Health and](#) maintained by Florida's Bureaus of Community Health Assessment and Vital Statistics. Morbidity rates for Florida overall are age-adjusted and obtained directly from [FLHealth CHARTS](#).
- Data on the number of occurrences among drug deaths in Florida is updated from the [\\_Florida Medical Examiners Commission Drugs Identified in Deceased Persons by Florida Medical Examiners: 2023 Interim Report.](#)

# Florida by Geographic Region, Managing Entity, County, 2024



# Past Year Pain Reliever Use among Adults, U.S. and Florida, 2015-2022

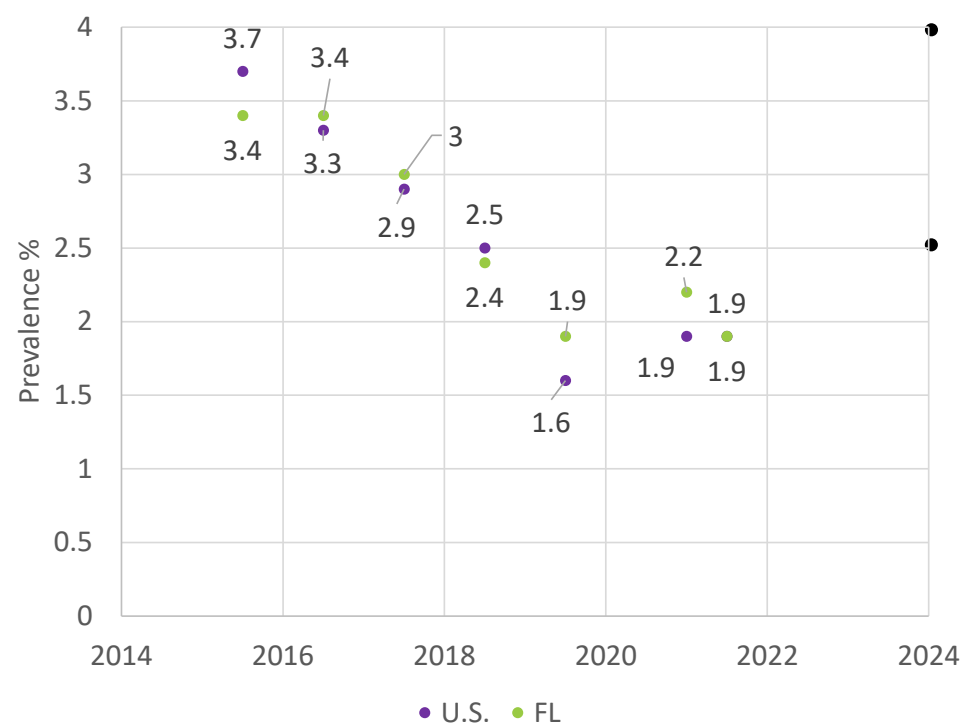


- Pain reliever trends show a decrease over this timeframe.
- Florida adults have lower rates than U.S. adults.
- U.S. adults remain the same rate at 3.2% and Florida adults increased to 2.7% for 2021-2022.

Note: Data points are plotted in between axis years as survey results are from a two-year average.



# Past Year Pain Reliever Misuse among Youth, U.S. and Florida, 2015-2022

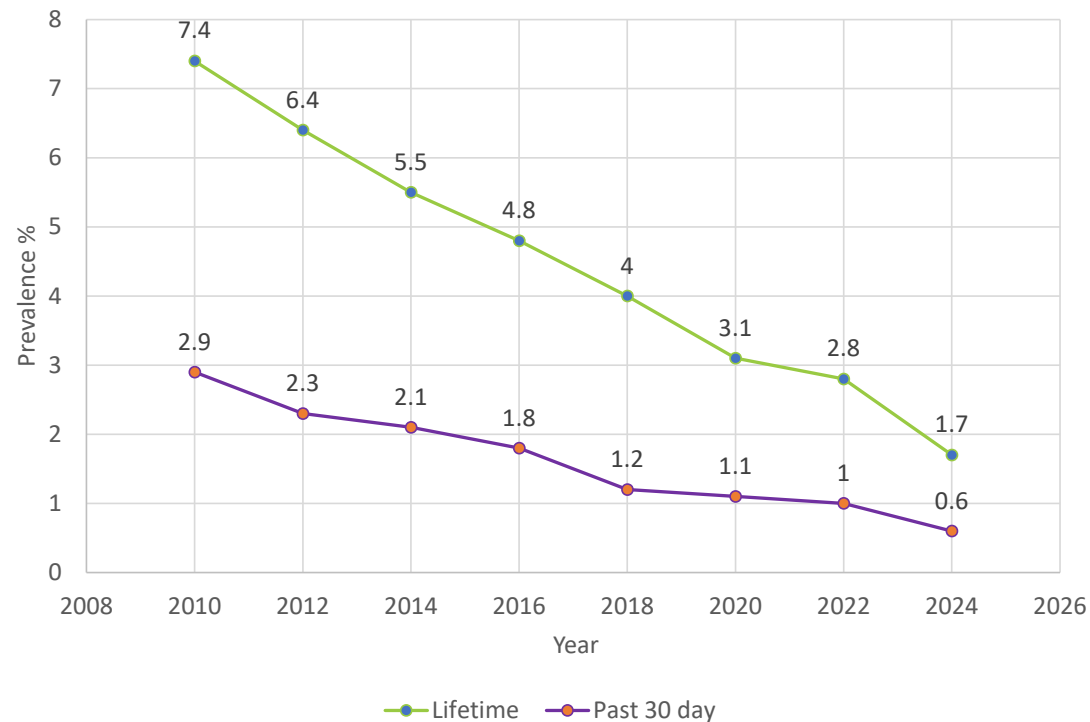


- Sharper decline in past year use among youth versus adults.

- U.S. and Florida youth report pain reliever misuse at 1.9%.

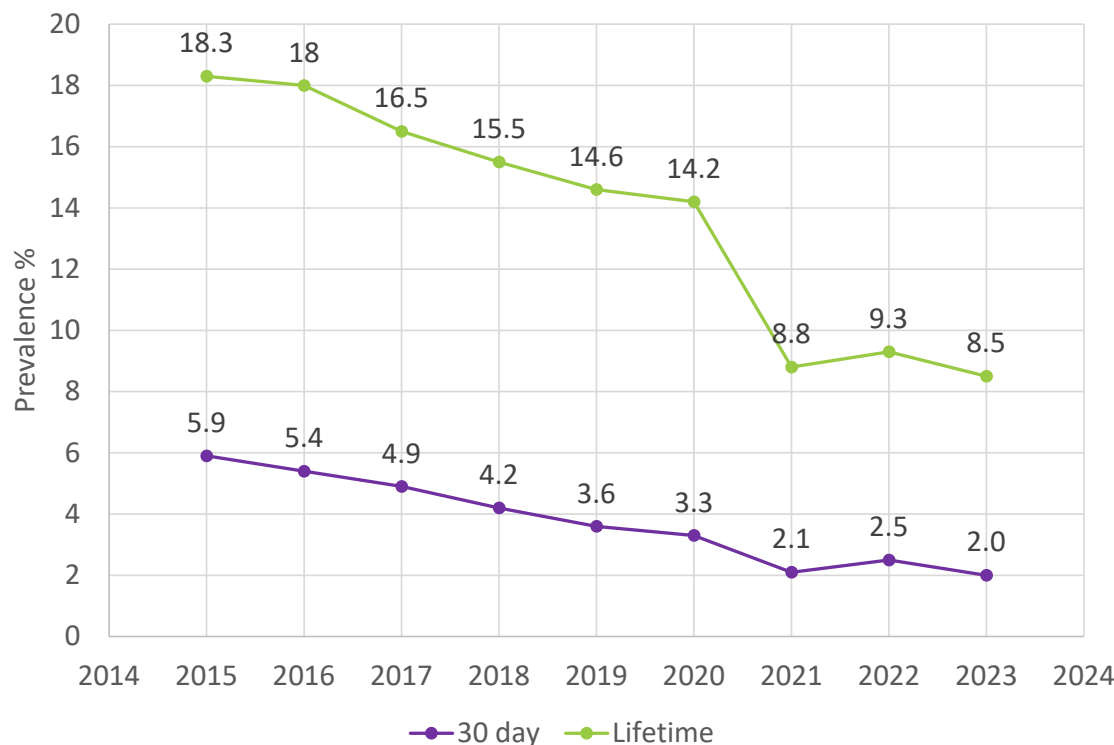
Note: Data points are plotted in between axis years as survey results are from a two-year average.

# Lifetime and Past 30-day Pain Reliever Misuse among Youth in Florida, 2010-2024



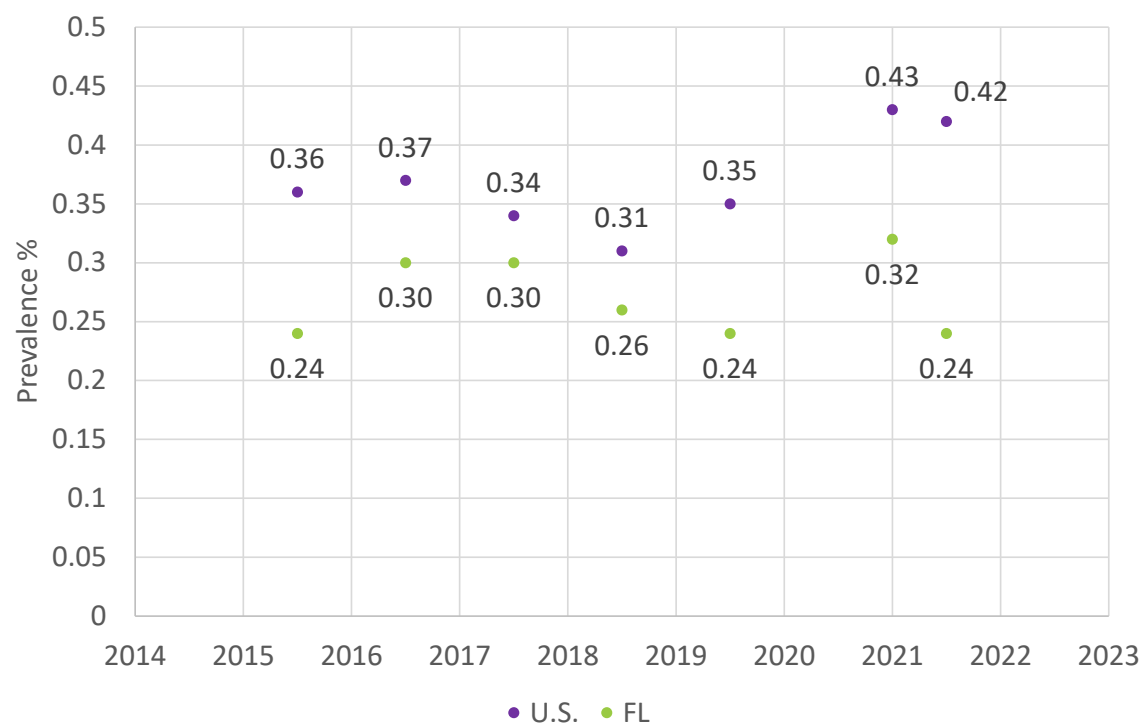
- Sharp decline in use since 2010.
- Rates are lowest ever reported for lifetime and past 30-day use.
- Past 30-day use falls below 1%.

# Prescription Pain Reliever Misuse among 12th Grade Youth in the U.S., 2015-2023



- Decreasing trends across the U.S. are reported from 2015-2023.
- Slight increases were reported in 2022 but the latest survey in 2023 indicates the lowest prevalence rates at 2.0% and 8.5%.

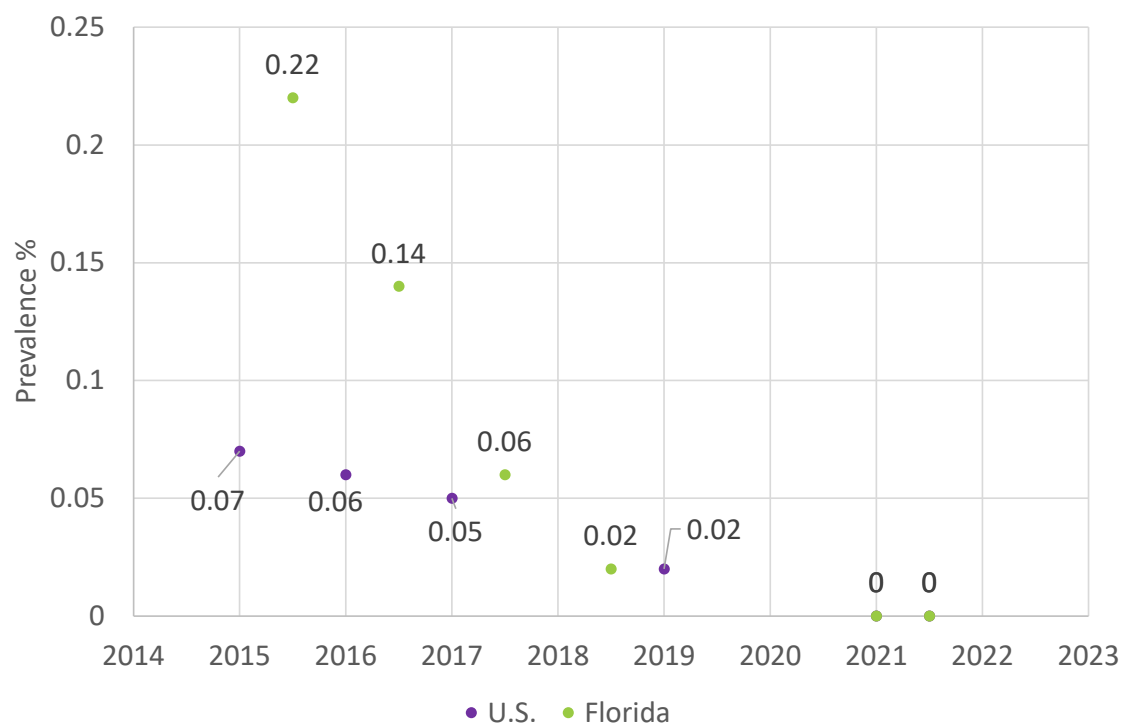
# Past Year Heroin Use among Adults, U.S. and Florida, 2015-2022



- Heroin use among Florida adults is consistently lower than U.S. adults.

Note: Data points are plotted in between axis years as survey results are from a two-year average.

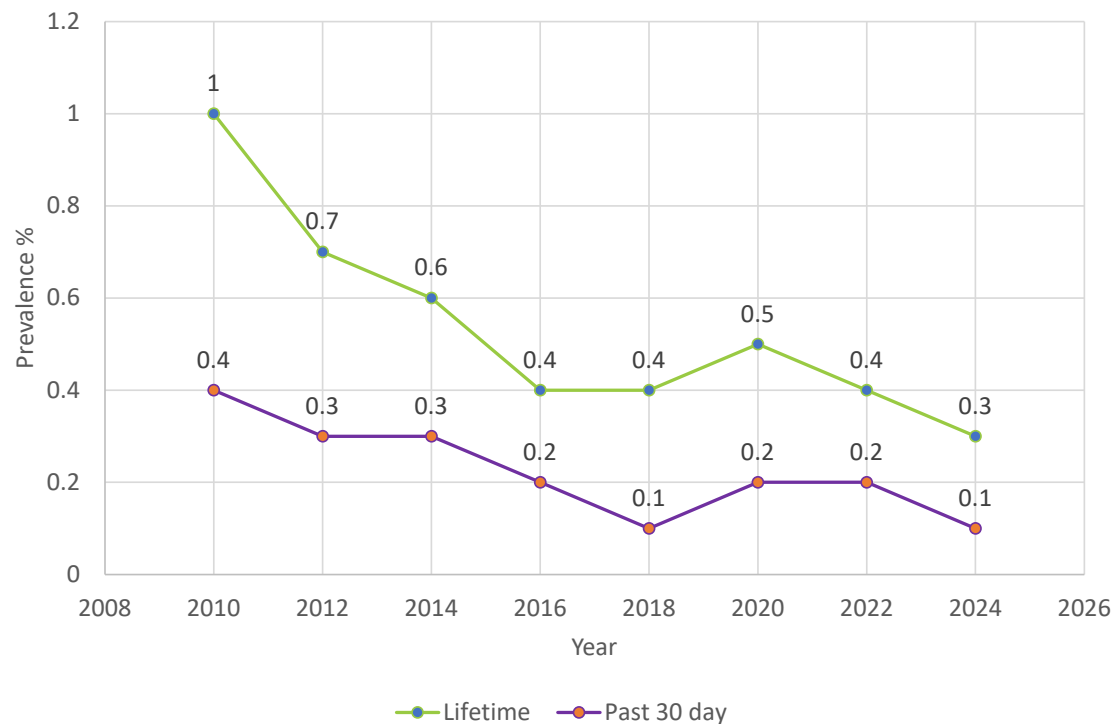
# Past Year Heroin Use among Youth, U.S. and Florida, 2015-2022



- Sharp decrease in heroin use among Florida youth since 2015.
- Youth prevalence rates are not available because no respondents are reporting using heroin in the past year.

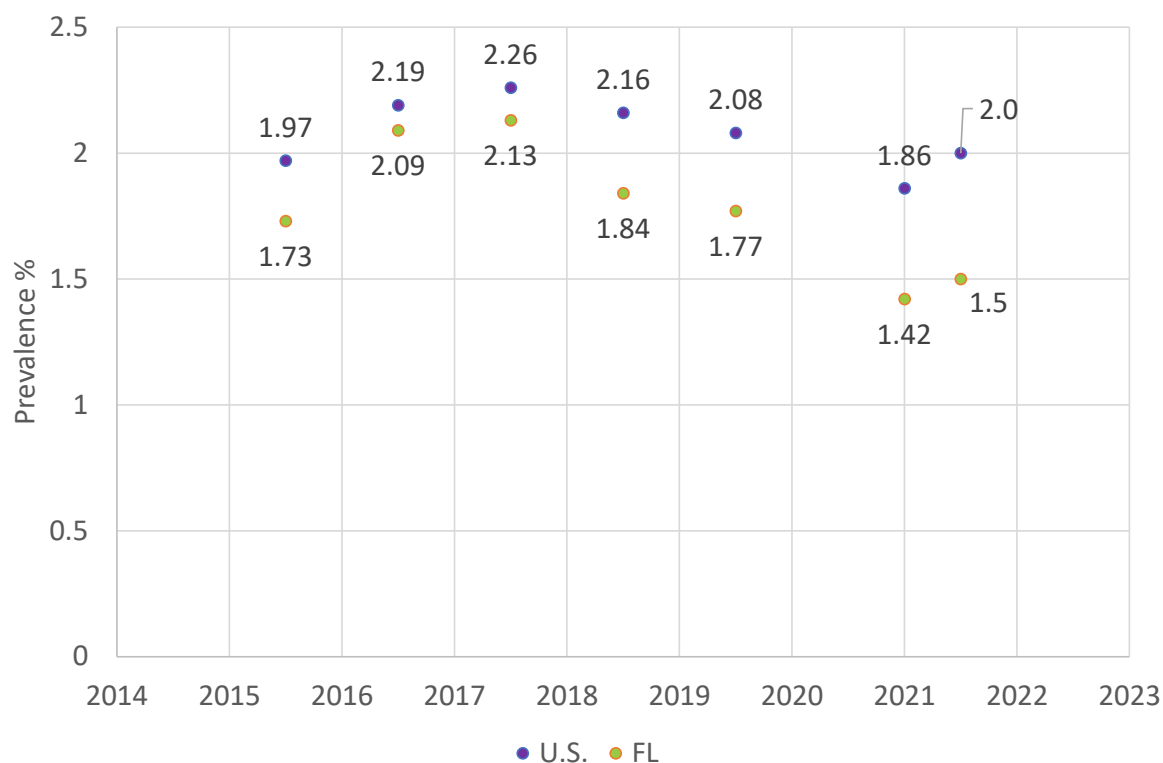
Note: Data points are plotted in between axis years as survey results are from a two-year average.

# Lifetime and Past 30-day Heroin Use among Youth in Florida, 2010-2024



- Past 30-day heroin use has fallen to 0.1%.
- Lifetime use continues to decrease.

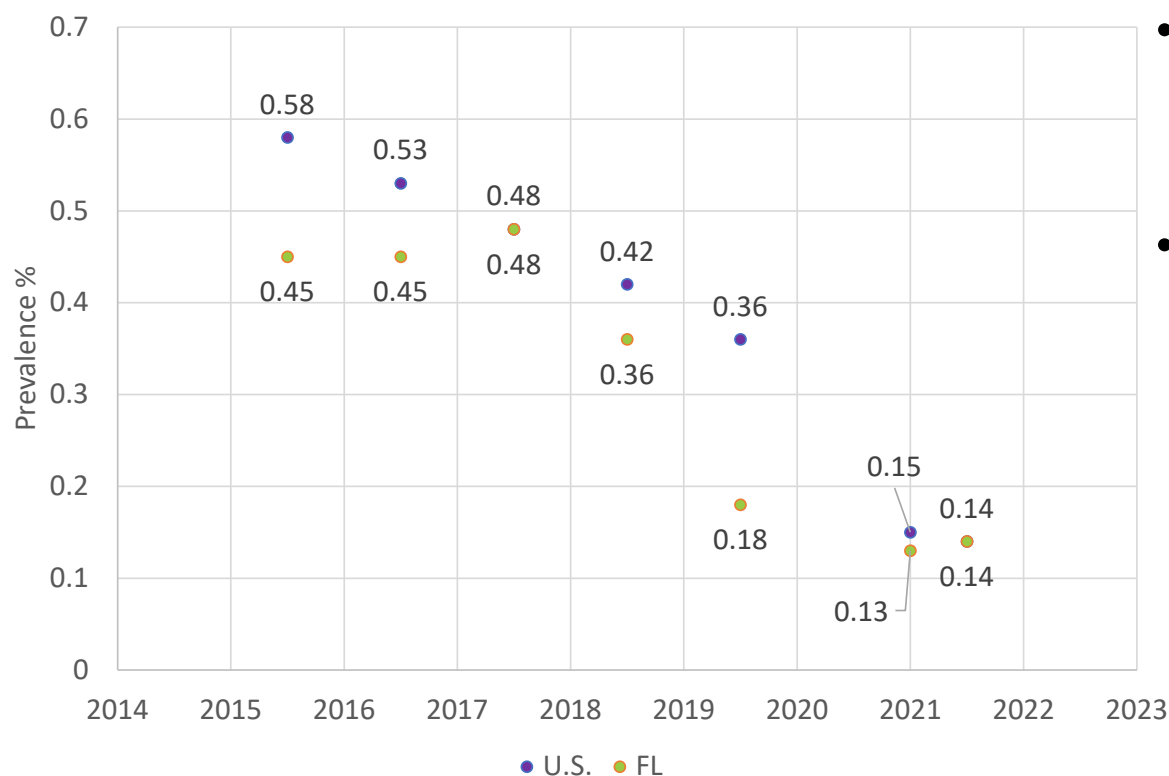
# Past Year Cocaine Use among Adults, U.S. and Florida, 2015-2022



- Cocaine use among adults is more common than heroin use but than less Rx use.
- Highest prevalence rates from 2017-2018.

Note: Data points are plotted in between axis years as survey results are from a two-year average.

# Past Year Cocaine Use among Youth, U.S. and Florida, 2015-2022

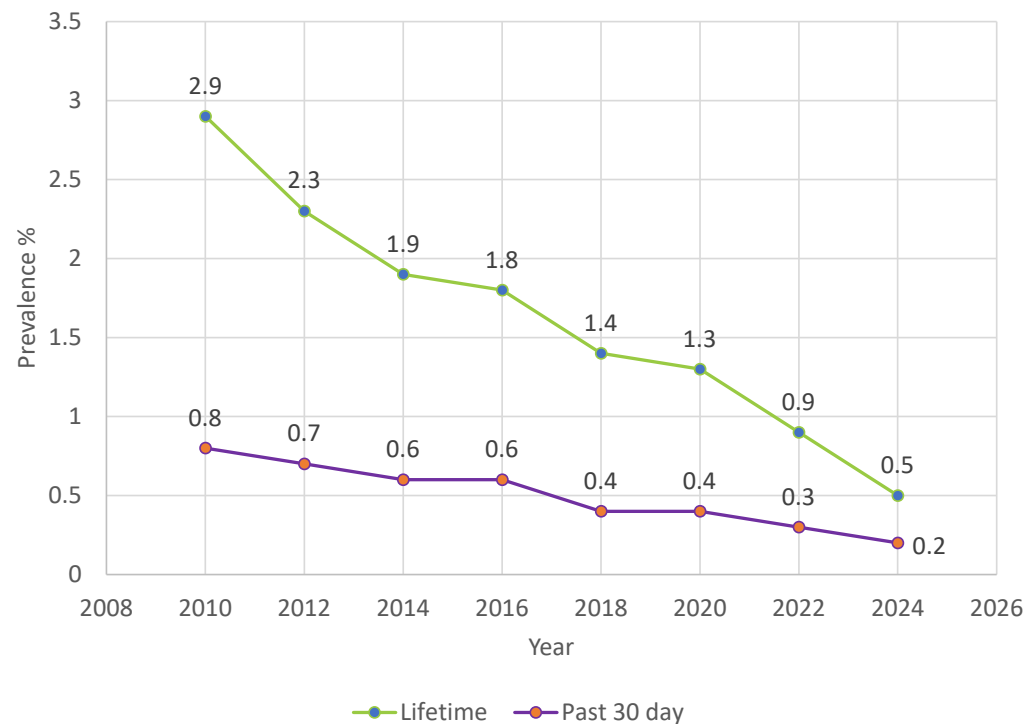


- Cocaine use among youth continues to decrease.
- U.S. and Florida youth report cocaine use in the past year at 0.14%.

Note: Data points are plotted in between axis years as survey results are from a two-year average.

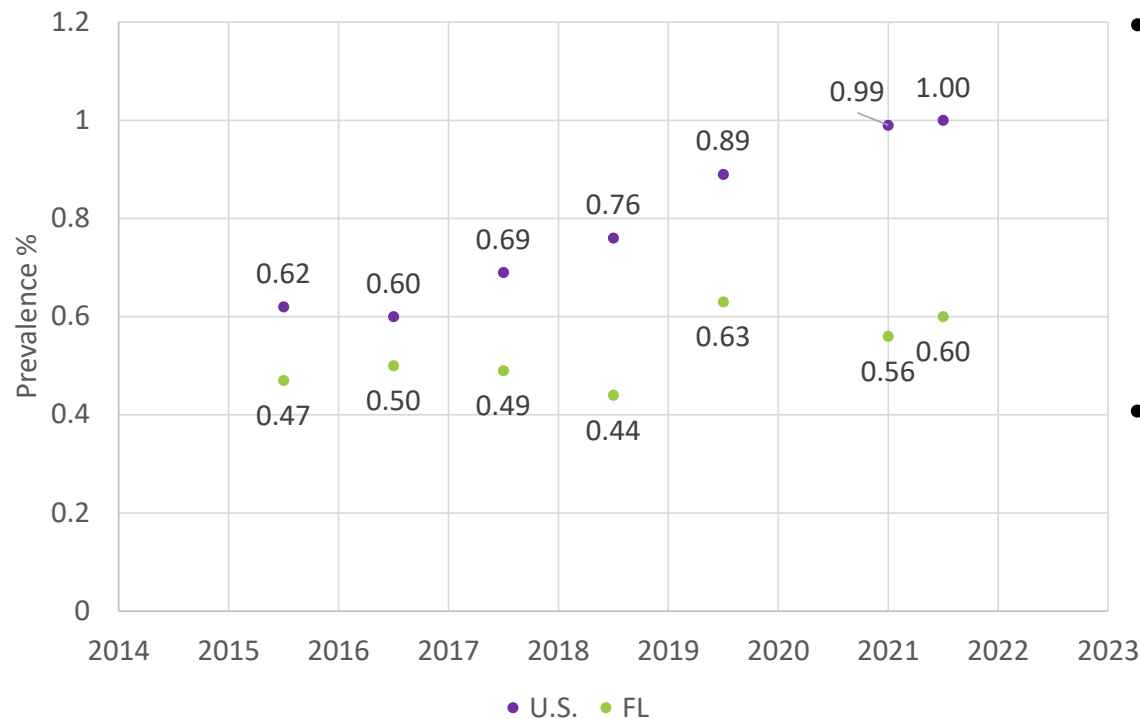


# Lifetime and Past 30-day Cocaine Use among Youth, Florida, 2010-2024



- Cocaine use continues to decrease for past 30-day use and lifetime use.
- 61% decrease in prevalence for lifetime use from 2020 – 2024.

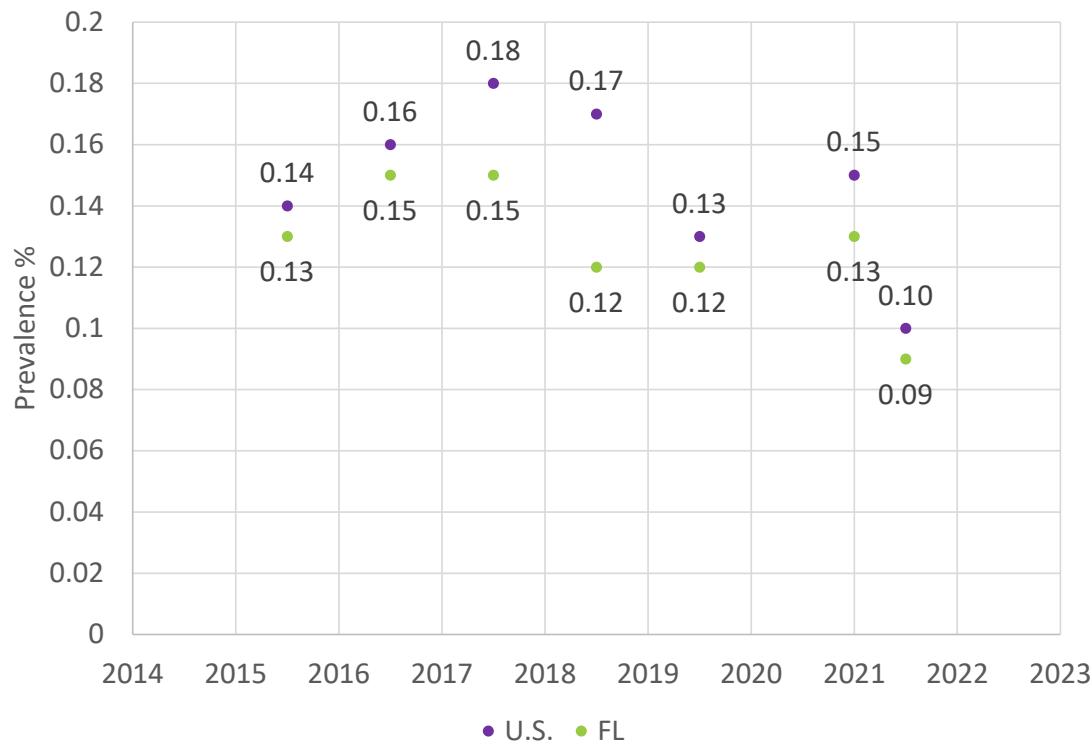
# Past Year Methamphetamine Use among Adults, U.S. and Florida, 2015-2022



- Methamphetamine use among U.S. adults has increased to the highest prevalence rate of 1.00% in a recent survey.
- Methamphetamine use among Florida adults has increased but not at the same rate as the U.S.

Note: Data points are plotted in between axis years as survey results are from a two-year average.

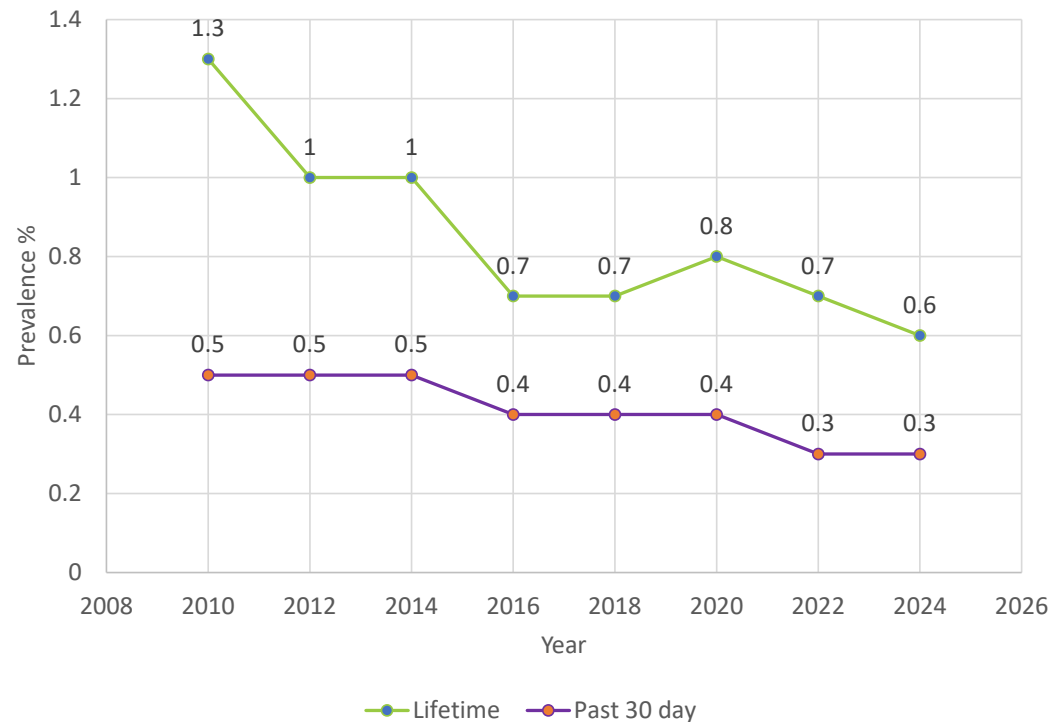
# Past Year Methamphetamine Use among Youth, U.S. and Florida, 2015-2022



- Highest rates for U.S. and Florida youth were reported in 2017-2018.
- Declines in use in 2021-2022 recent survey.

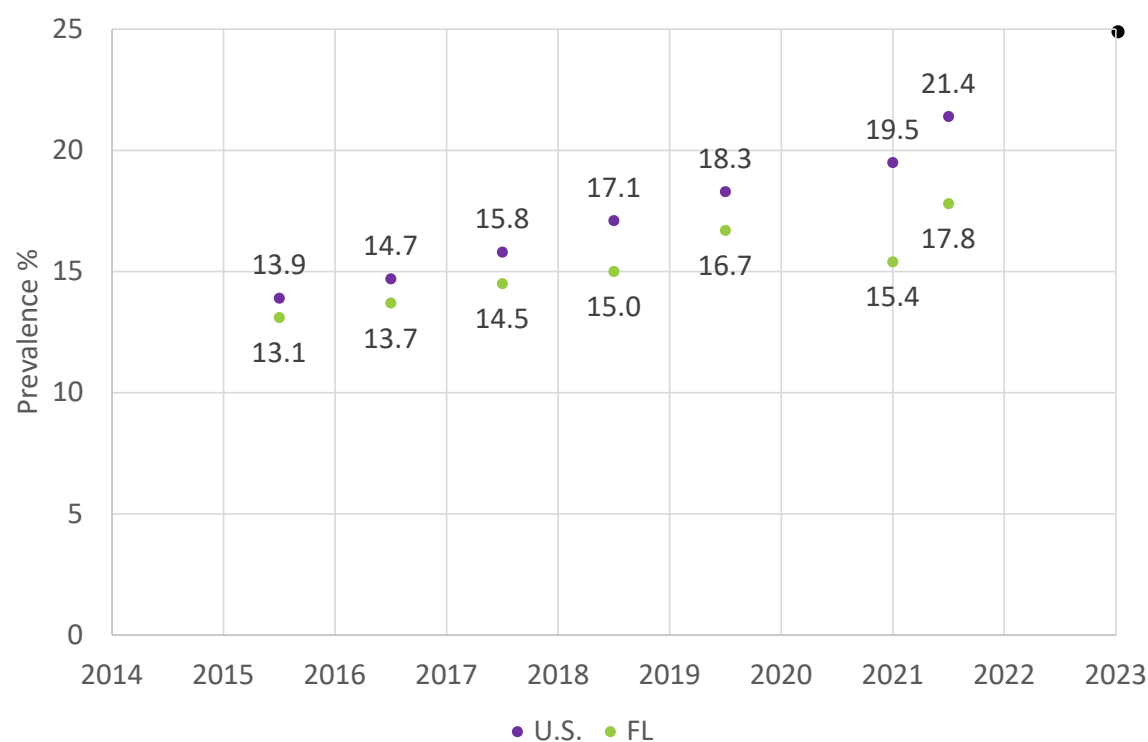
Note: Data points are plotted in between axis years as survey results are from a two-year average.

# Lifetime and Past 30-day Methamphetamine Use among Youth in Florida, 2010-2024



- Past 30-day use has stayed consistent between 0.3%-0.5%.
- Past 30-day prevalence use remained the same for 2024.
- Lifetime use has seen decreases since 2020.

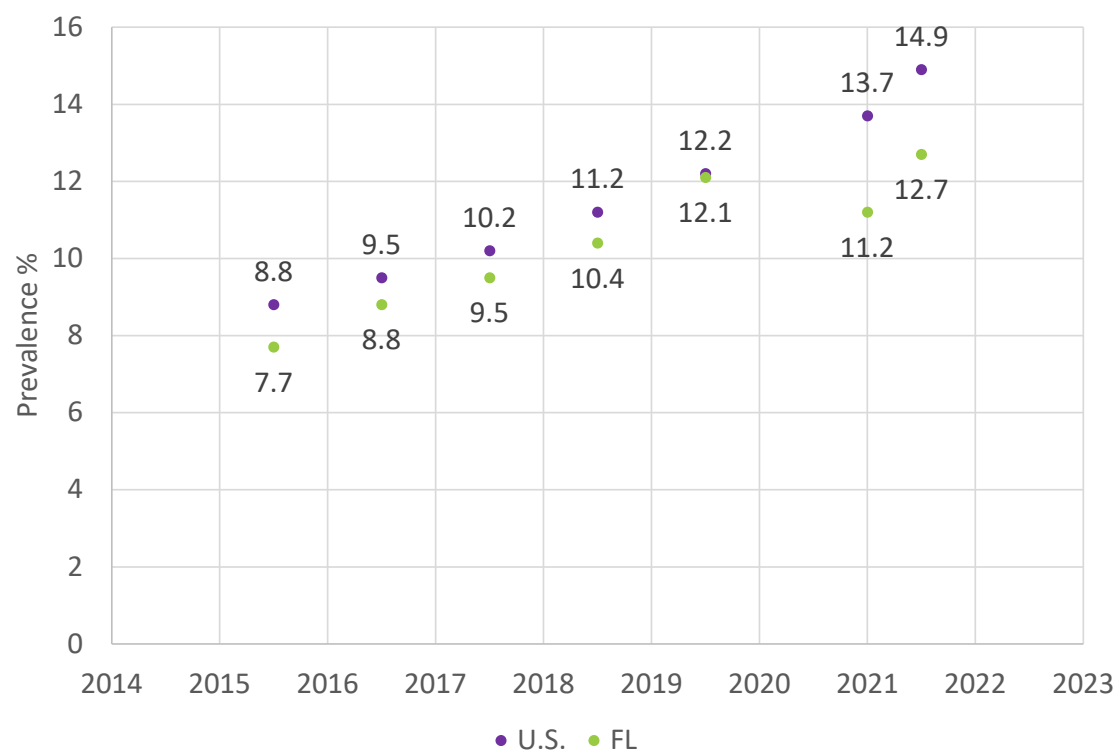
# Past Year Marijuana Use among Adults, U.S. and Florida, 2015-2022



- Continued increases in past year marijuana use with highest rates for U.S. (21.4%) and Florida (17.8%) adults.

Note: Data points are plotted in between axis years as survey results are from a two-year average.

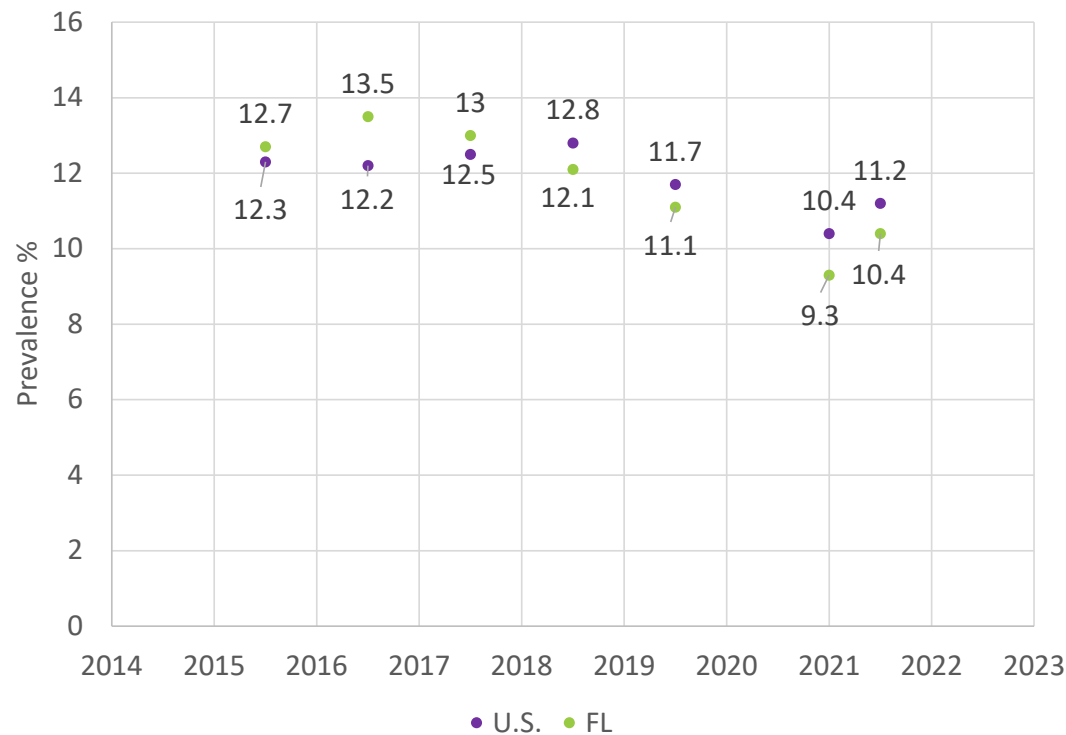
# Past Month Marijuana Use among Adults, U.S. and Florida, 2015-2022



- Similar trends for past 30-day use for adults.
- Highest rates in recent survey reports U.S. (14.9%) and Florida (12.7%) adults.

Note: Data points are plotted in between axis years as survey results are from a two-year average.

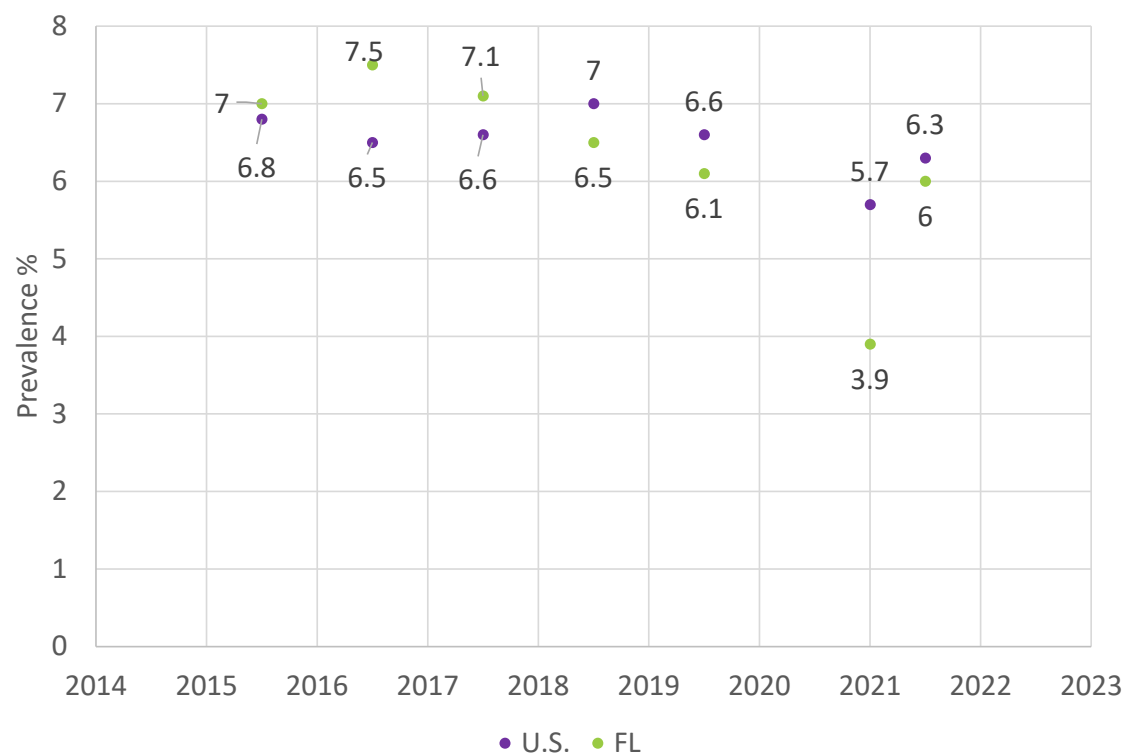
# Past Year Marijuana Use among Youth, U.S. and Florida, 2015-2022



- U.S. and Florida youth reported 11.2% and 10.4% past year marijuana use, respectively.

Note: Data points are plotted in between axis years as survey results are from a two-year average.

# Past Month Marijuana Use among Youth, U.S. and Florida, 2015-2022

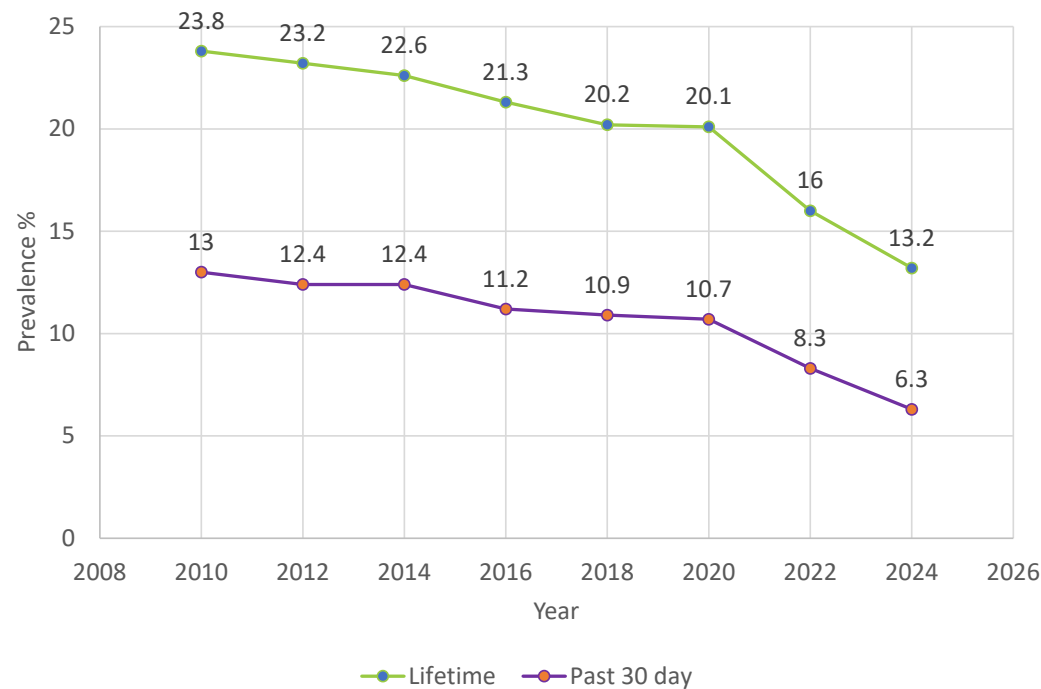


- Slight increase for U.S. youth in 2021-2022 survey.
- 2021-2022 survey reports similar rates for Florida youth to previous survey results at 6.0%

Note: Data points are plotted in between axis years as survey results are from a two-year average.

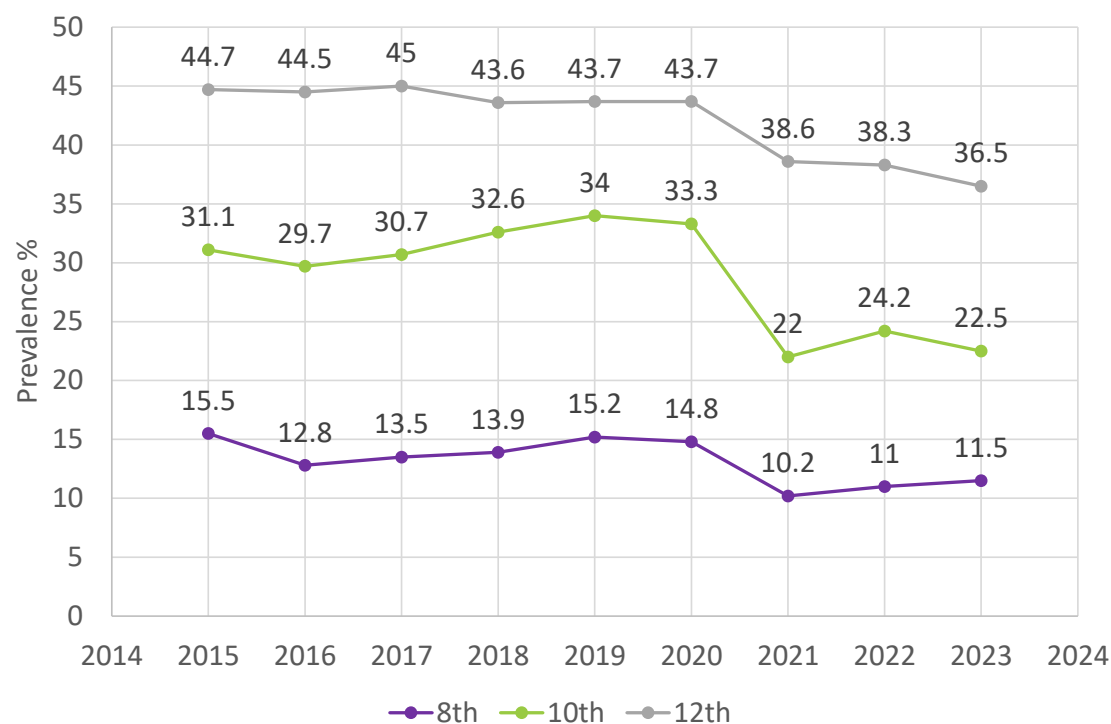


# Lifetime and Past 30-day Marijuana Use among Youth in Florida, 2010-2024



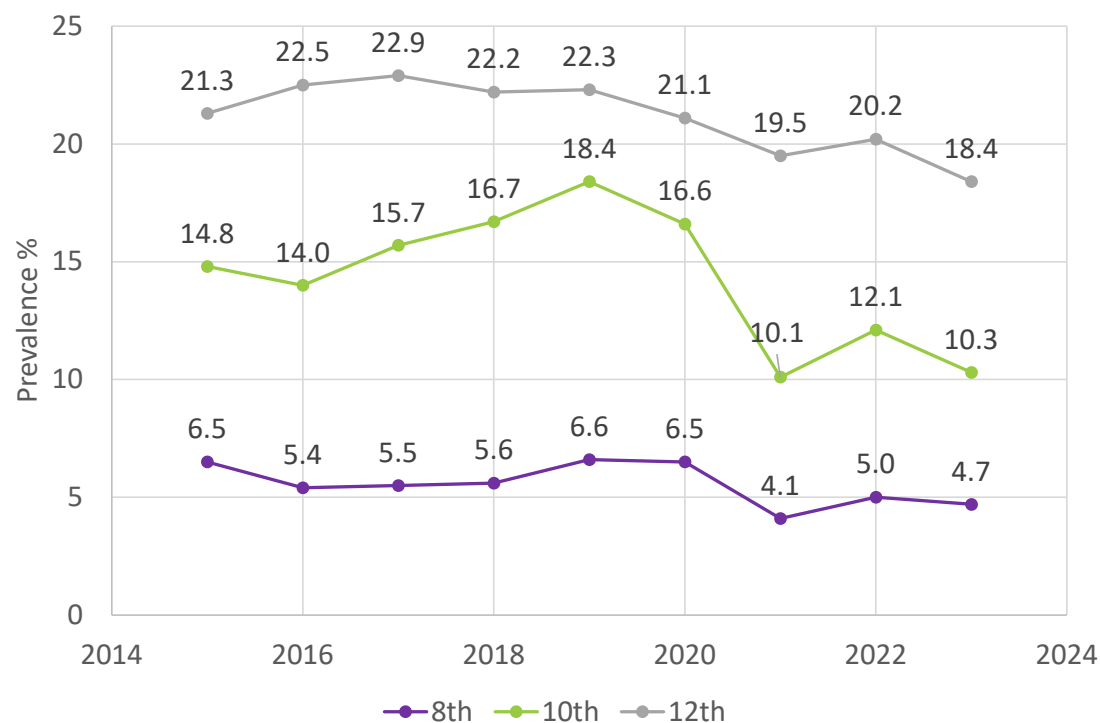
- Slow decrease in marijuana trends until 2020.
- 34% decrease in change since 2020.
- Lowest marijuana rates reported in recent 2024 survey.

# Lifetime Marijuana Use Among 8th, 10th, 12th Grade Youth in the U.S., 2015-2023



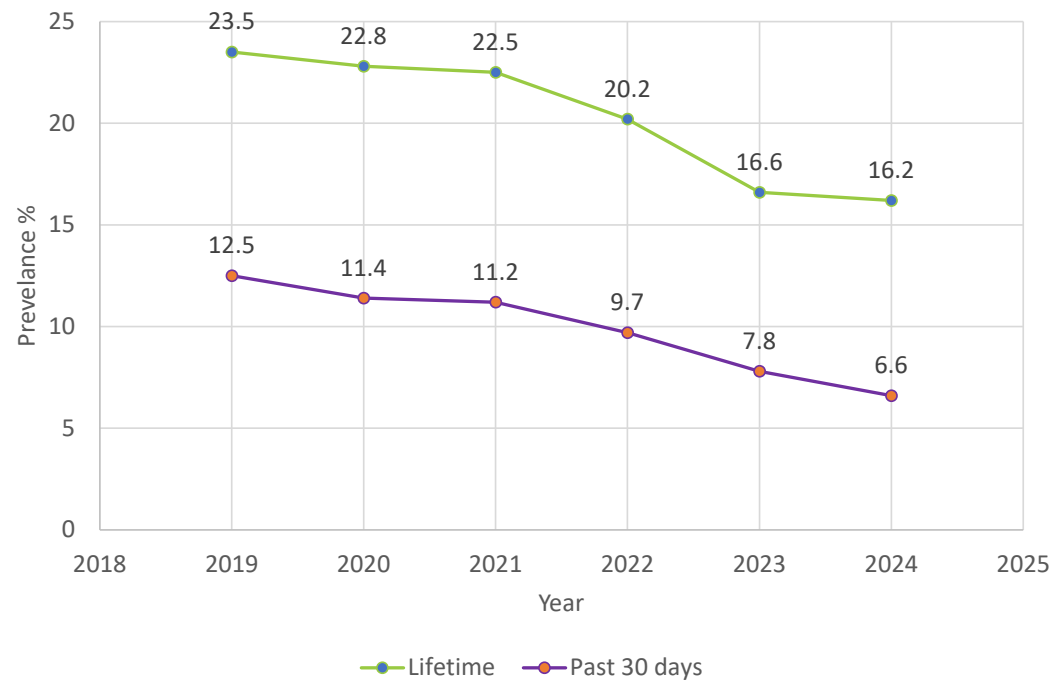
- Stable trend lines occurred from 2015 through 2021 across all grades.
- Sharp decline in rates occurred in 2021, then rates became stable again from 2021 through 2023.

# Past Month Marijuana Use among 8th, 10th, and 12th Grade Youth in the U.S., 2015-2023



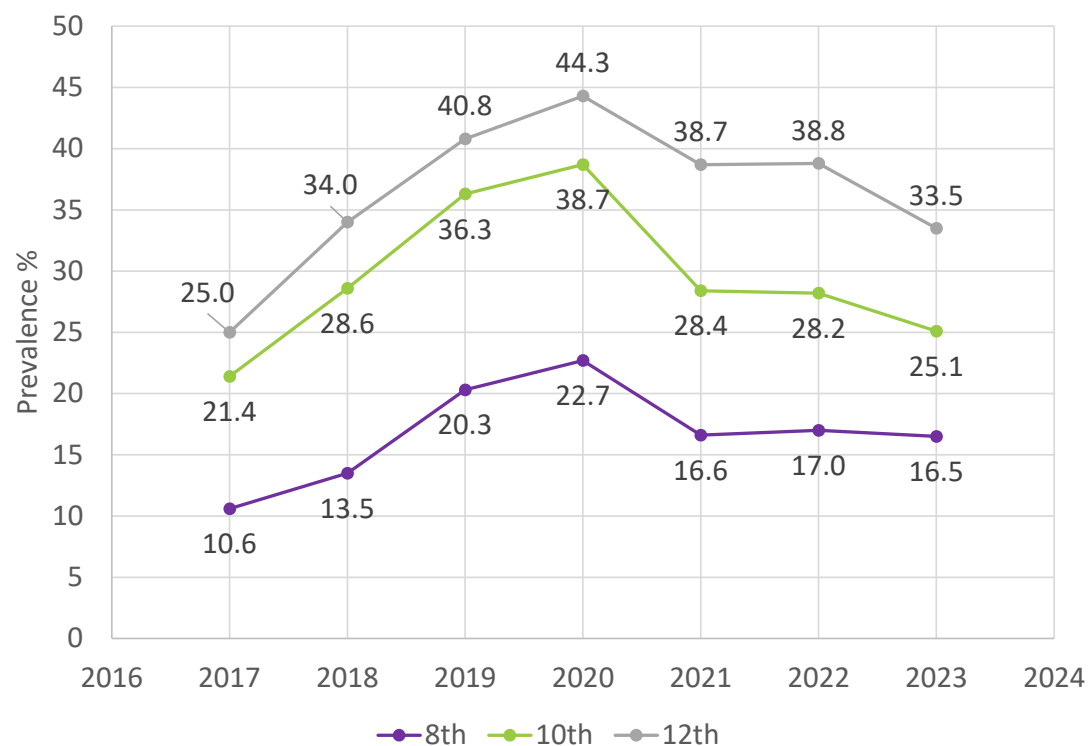
- Similar to lifetime use, rates decreased across all grades in 2021.

# Lifetime and Past 30-day Vaping Nicotine among Youth in Florida, 2019-2024



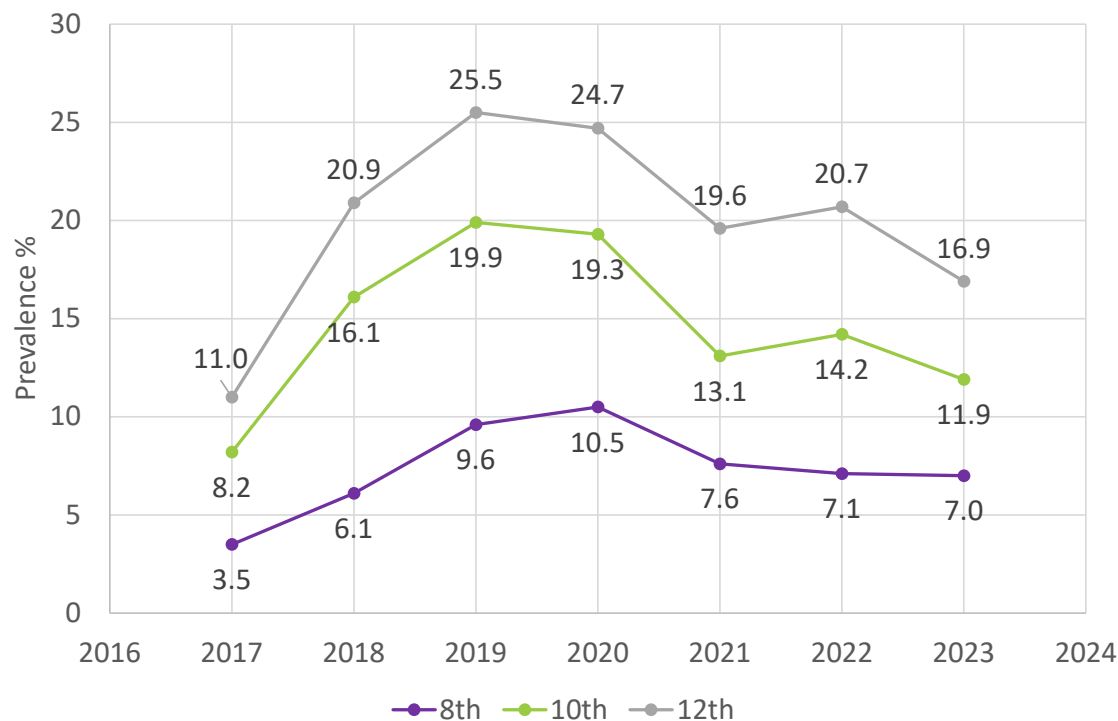
- Highest rates were reported in 2019.
- Prevalence rates continue to decrease.
- Past 30-day prevalence rate decreased by 1.2%
- Vaping nicotine is the second most commonly used substance.

# Lifetime Vaping Nicotine among 8th, 10th, 12th Grade Youth in the U.S., 2017-2023



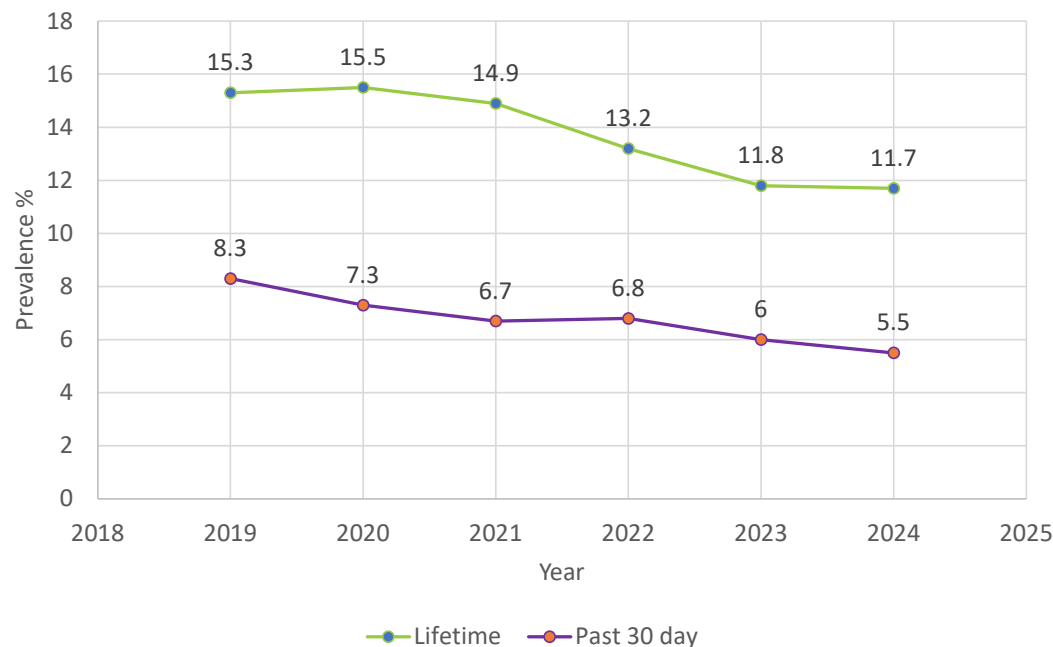
- Lifetime use among all grades was highest in 2020.
- Slight decreases among all grades were reported in 2023.

# Past 30-day Vaping Nicotine among 8th, 10th, and 12th Grade Youth in the U.S., 2017-2023



- Decreases in use were reported for all grades in 2023.

# Lifetime and Past 30-day Vaping Marijuana among Youth in Florida, 2019-2024



- Rates are lower for vaping marijuana versus vaping nicotine.
- Trendlines are similar to vaping nicotine trends with a continuation of lower rates than the previous survey year.
- Vaping nicotine prevalence rates are closing the gap with vaping nicotine rates.

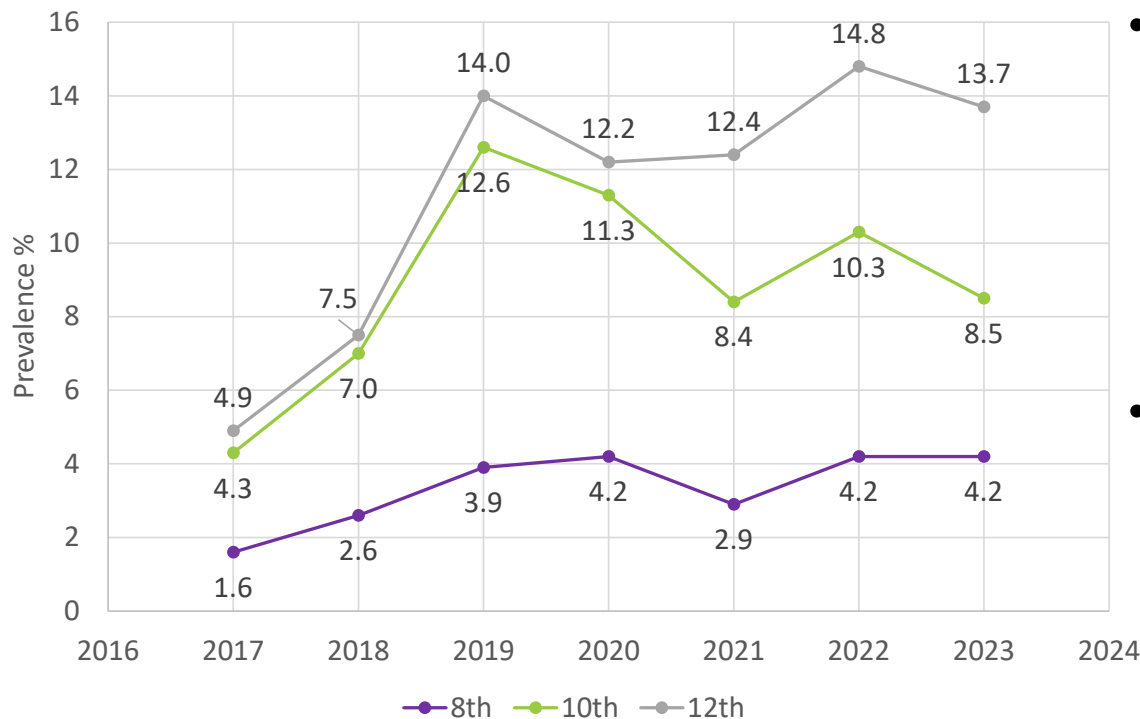
# Lifetime Vaping Marijuana among 8th, 10th, and 12th Grade Youth in the U.S., 2017-2023



- 10<sup>th</sup> and 12<sup>th</sup> grade youth saw a decrease in 2023 while 8<sup>th</sup> grade use continues to increase since 2021.

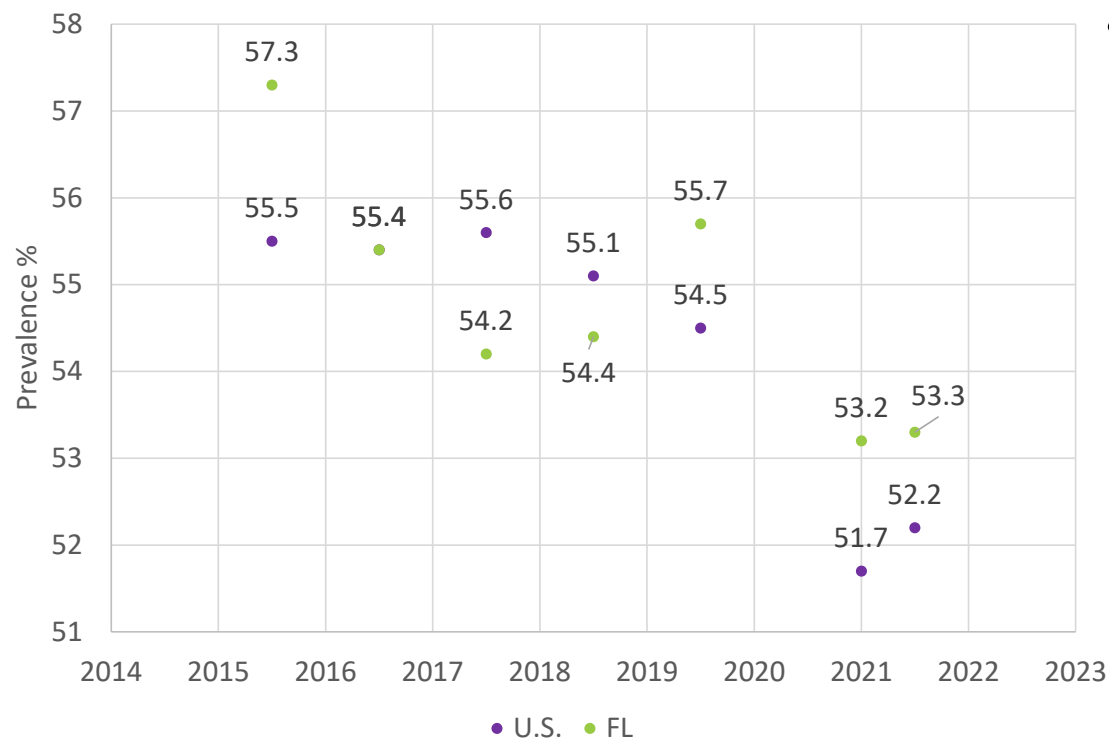


# Past 30-day Vaping Marijuana among 8th, 10th, and 12th Grade Youth in the U.S., 2017-2023



- 10<sup>th</sup> and 12<sup>th</sup> grade youth reported similar rates from 2017-2020 but use among 10<sup>th</sup> grade youth is decreasing at faster rates.
- 4.2% of 8<sup>th</sup> grade youth reported use in 2020, 2022, and 2023.

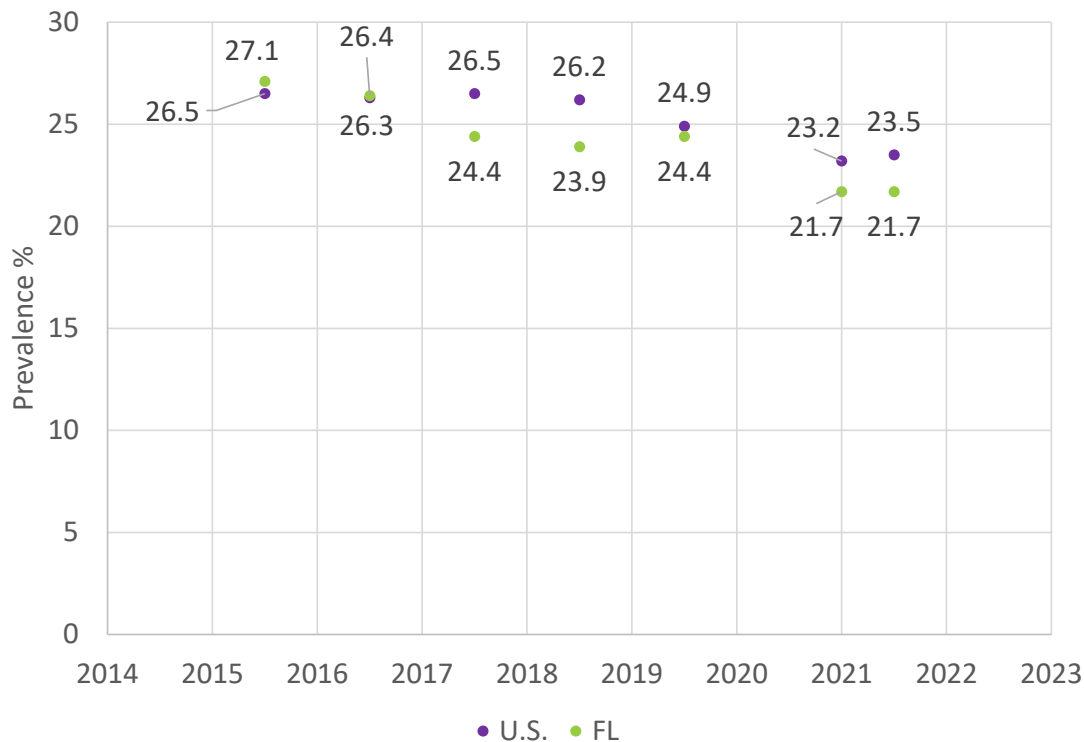
# Past Month Alcohol Use Among Adults, U.S. and Florida, 2015-2022



- Alcohol is the most used substance among adults with rates lower than previous survey years at 52.2% and 53.3% for U.S. and Florida adults.

Note: Data points are plotted in between axis years as survey results are from a two-year average.

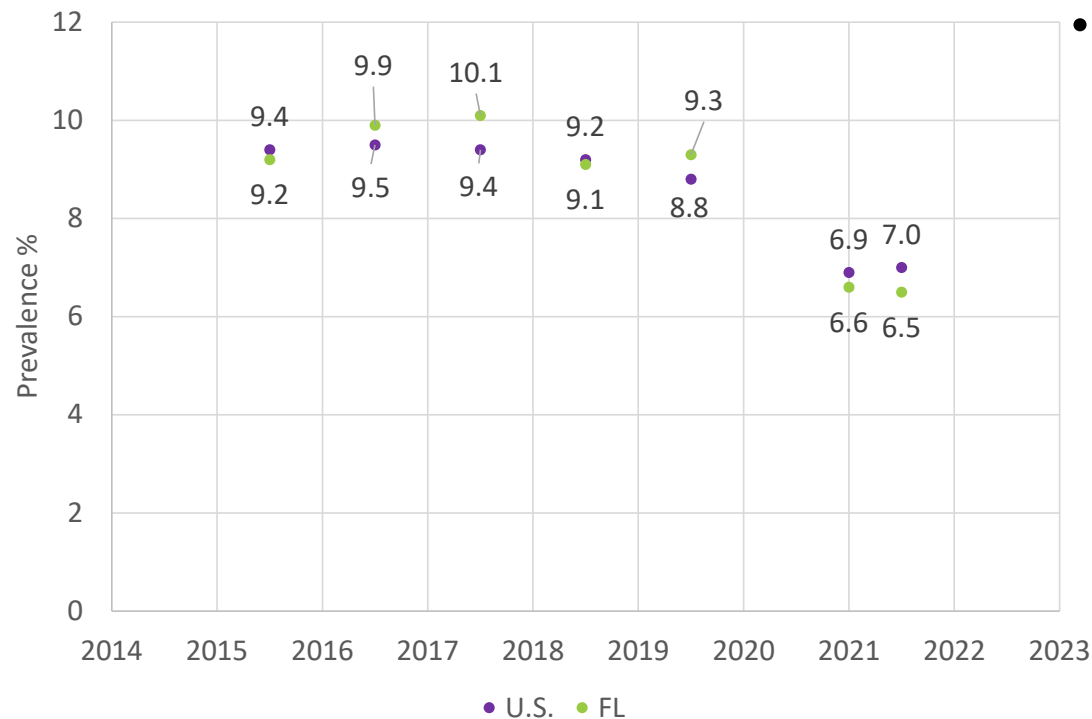
# Past Month Binge Alcohol Use among Adults, U.S. and Florida, 2015-2022



- U.S. and Florida binge alcohol use among adults have similar trendlines and rates with the U.S. having slightly higher rates starting in 2017-2018 survey years.

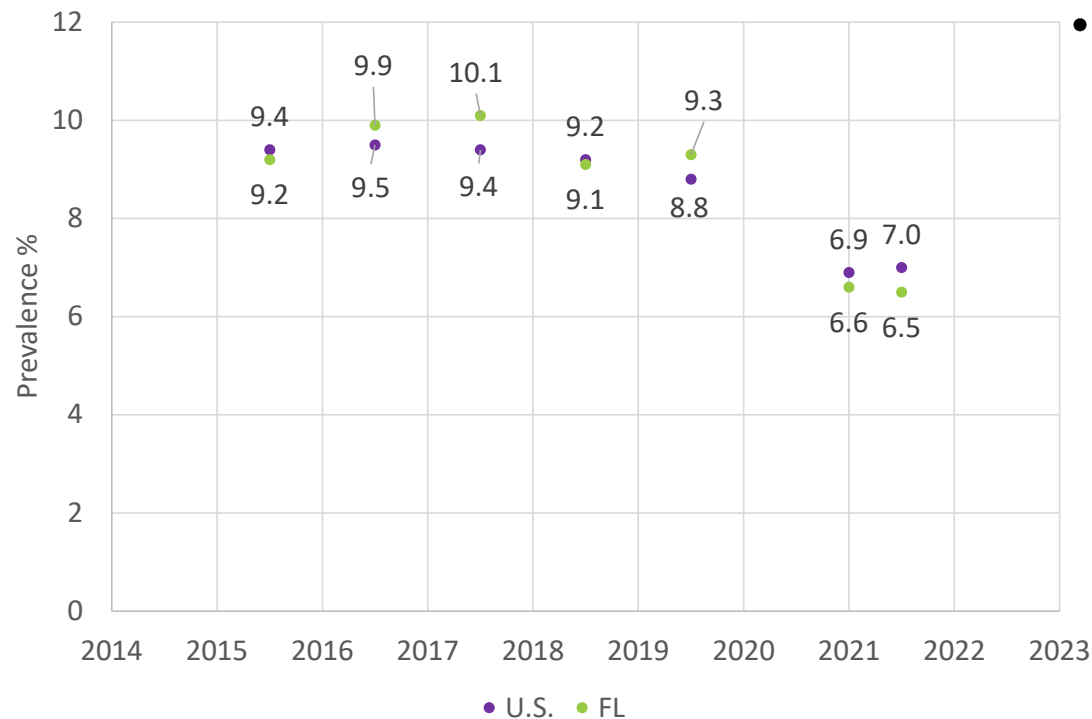
Note: Data points are plotted in between axis years as survey results are from a two-year average.

# Alcohol Use among Youth, Past Month, U.S. and Florida, 2015-2022



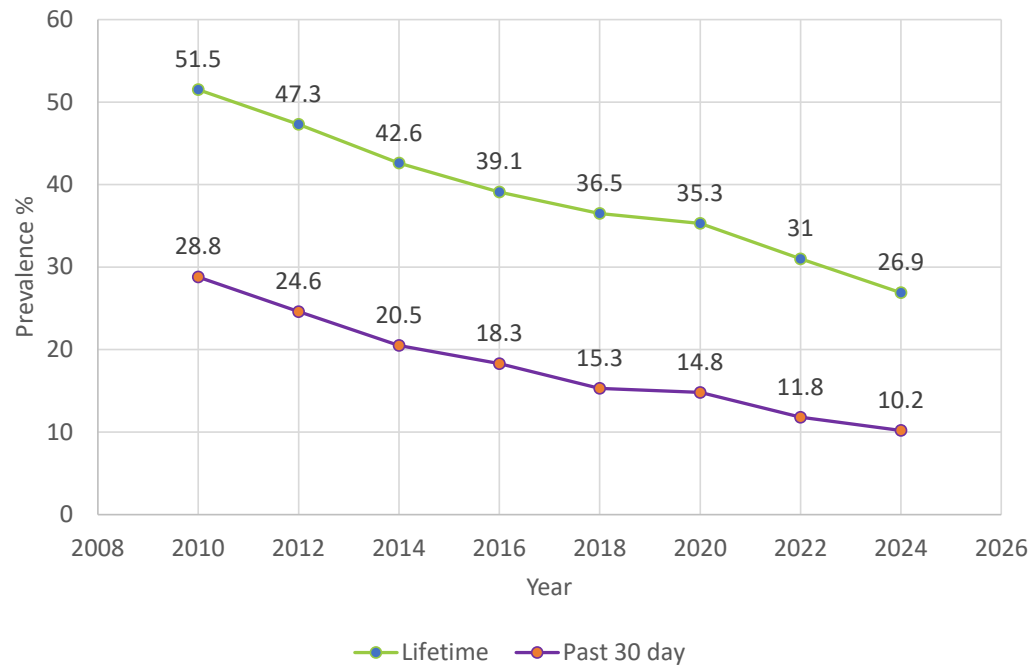
- Recent survey reports lower rates of past month alcohol use among youth in the U.S. and Florida with similar trends in 2021 and 2021-2022.

# Alcohol Use among Youth, Past Month, U.S. and Florida, 2015-2022



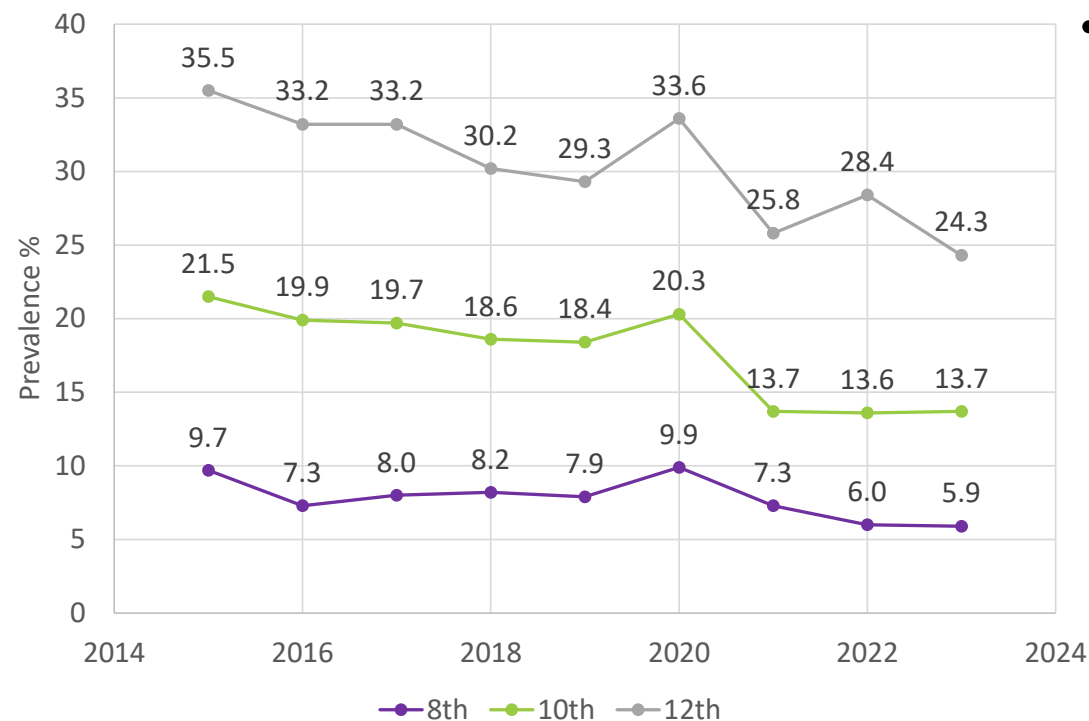
- Recent survey reports lower rates of past month alcohol use among youth in the U.S. and Florida with similar trends in 2021 and 2021-2022.

# Lifetime and Past 30-day Alcohol Use among Youth in Florida, 2010-2024



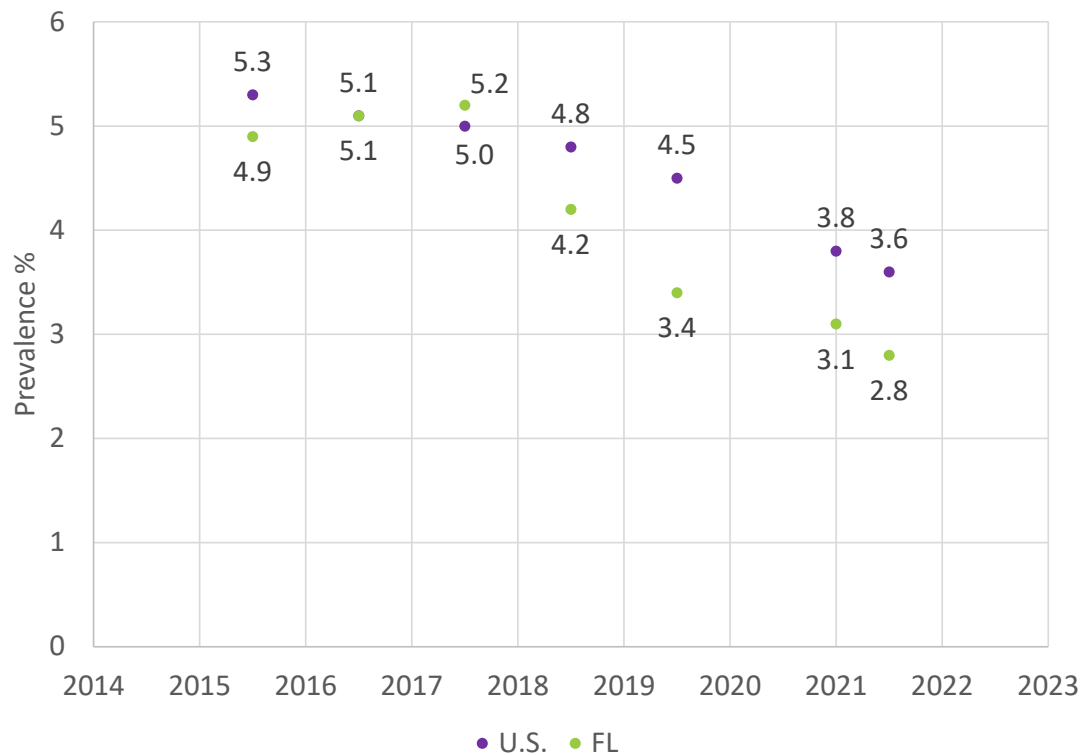
- Steady decreases in alcohol use, although it is the most used substance among youth in Florida.
- Almost a 50% decrease in change from 2010-2024 for lifetime prevalence.

# Past Month Alcohol Use among 8th, 10th, and 12th Grade Youth in the U.S., 2015-2023



- Similar trends from lifetime use are also shown in past month alcohol use across 8<sup>th</sup>, 10<sup>th</sup>, and 12<sup>th</sup> grade youth.

# Binge Alcohol Use among Youth, U.S. and Florida, 2015-2022

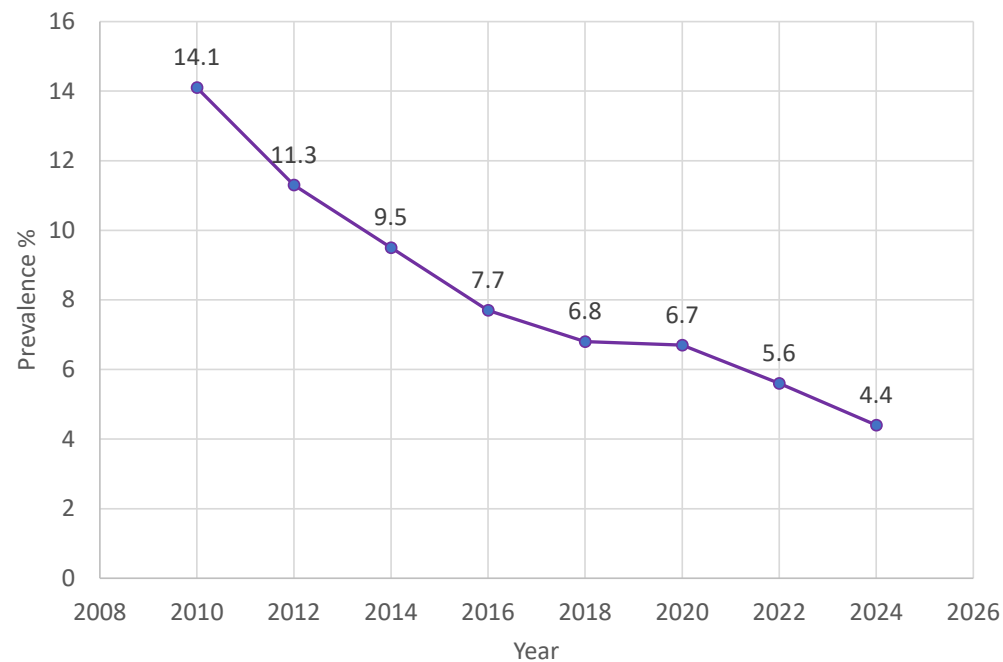


- Highest rates were reported in 2017-2018 but has since decreased to 3.6% and 2.8% for U.S. and Florida youth, respectively.

Note: Data points are plotted in between axis years as survey results are from a two-year average.

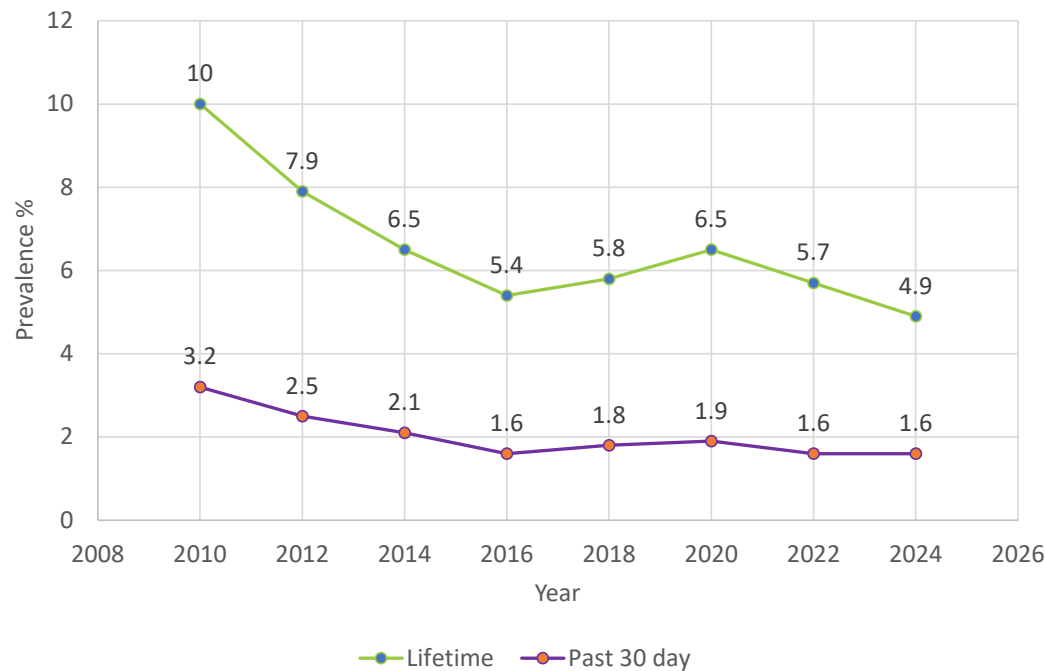


# Binge Alcohol Use among Youth in Florida, 2010-2024



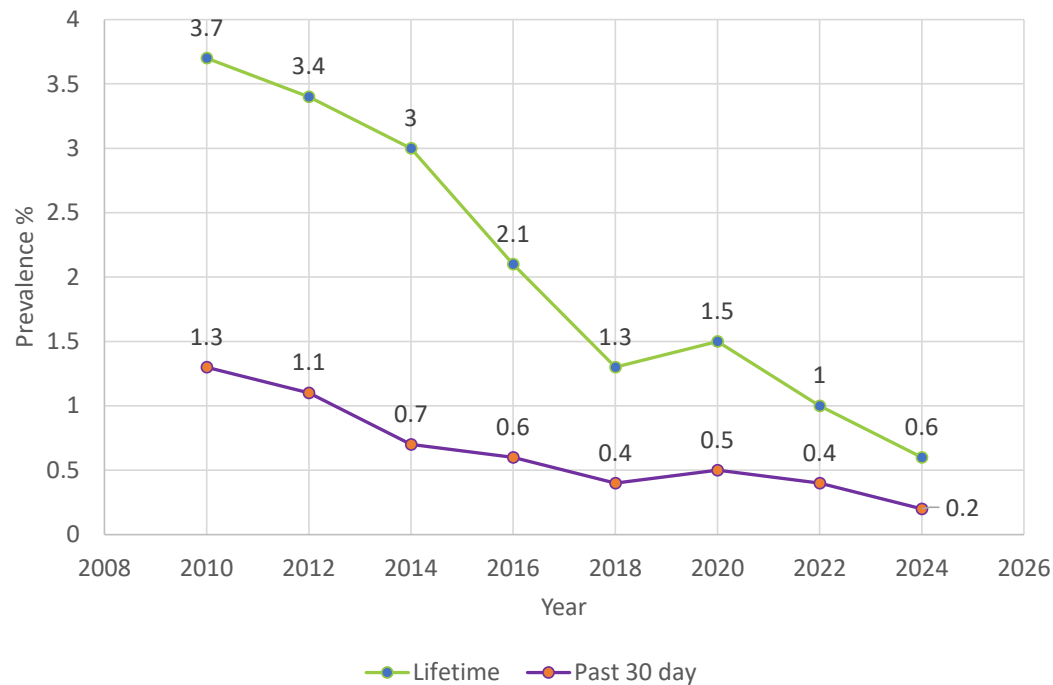
- Continued decreases in binge alcohol use with lowest rate of 4.4% in 2024.

# Lifetime and Past 30-day Inhalant Use Among Youth, Florida, 2010-2024



- Rates increased from 2016 – 2020 but decreased to 4.9% and 1.6% for lifetime and past 30-day use, respectively.
- Rates remained the same at 1.6% for past 30-day use.

# Lifetime and Past 30-day Club Drug Use Among Youth, Florida, 2010-2024

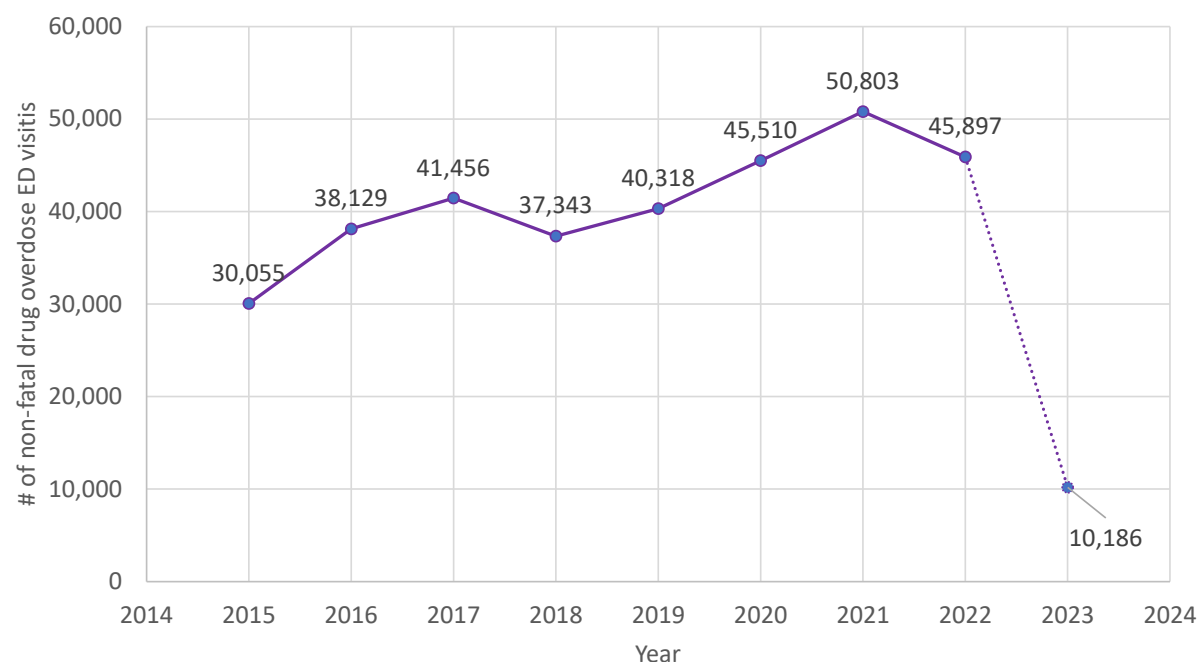


- Lifetime use falls under 1.0% for the first time in recent 2024 survey.
- Past 30-day use at 0.2%.

# Mortality

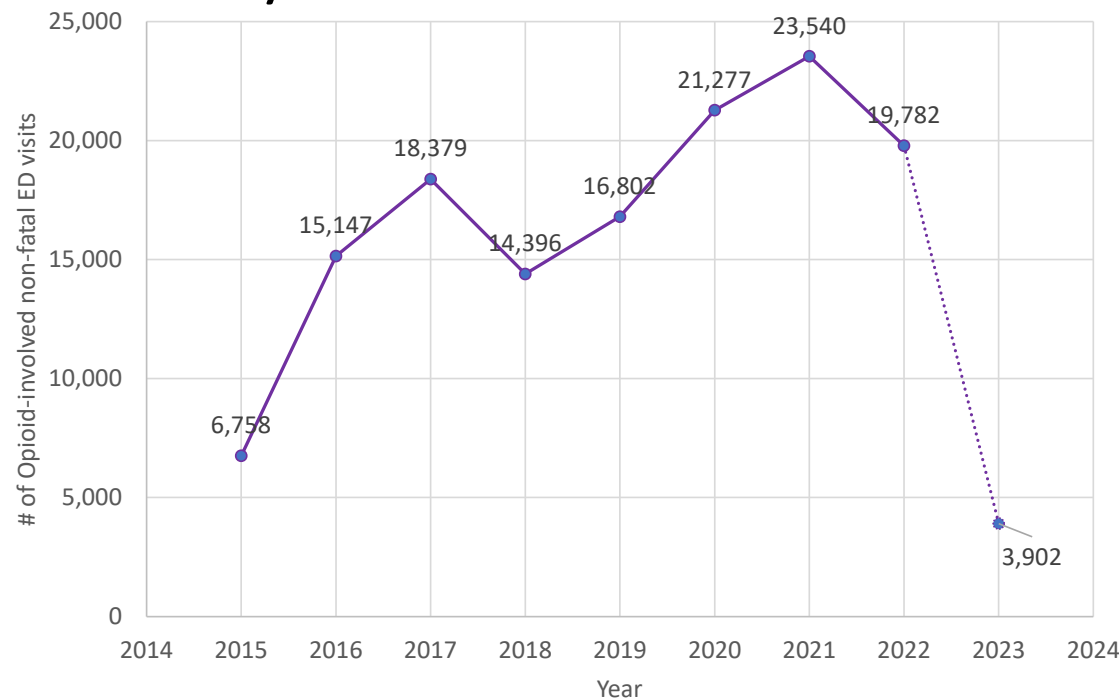
Florida Department of Health: Florida Health Charts

# All Drug Non-fatal Overdose Emergency Department Visits, Florida, From January 2015 – March 2023



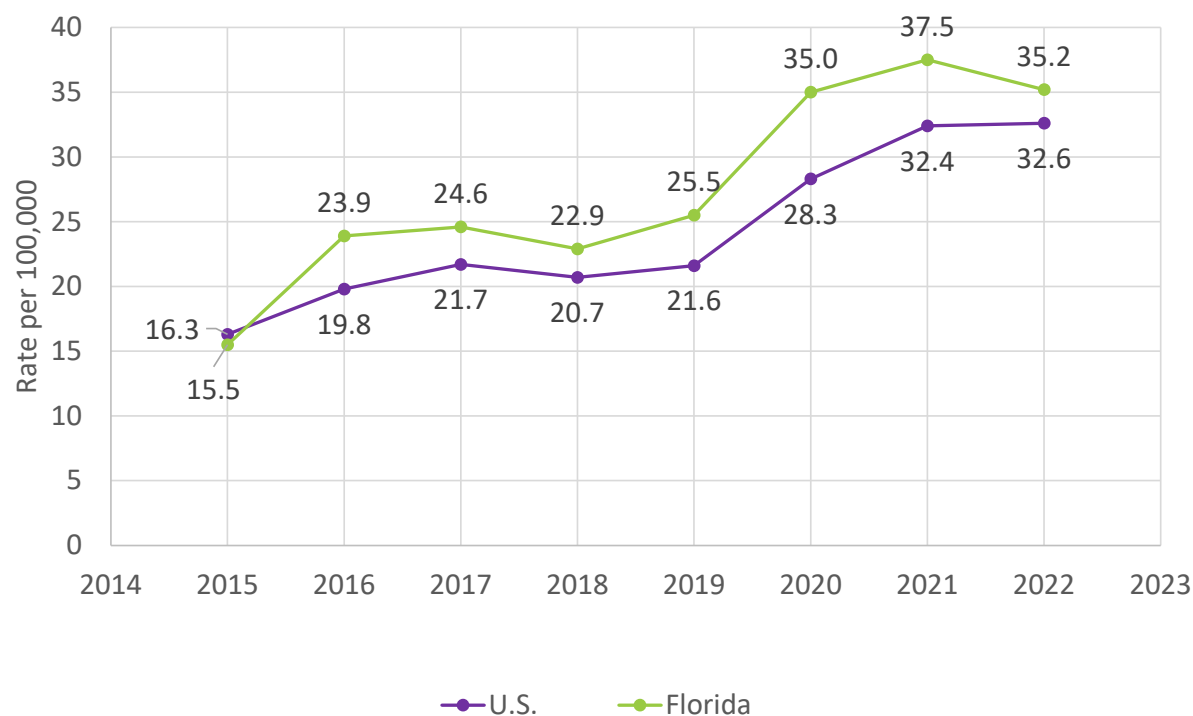
- Decrease in non-fatal drug overdose (ED) visits in 2022.
- Second highest non-fatal drug overdose (ED) visits recorded.
- 10,186 non-fatal drug overdose (ED) visits from January – March 2023.

# Opioid-involved Non-fatal Overdose Emergency Department Visits, Florida, From January 2015 – March 2023



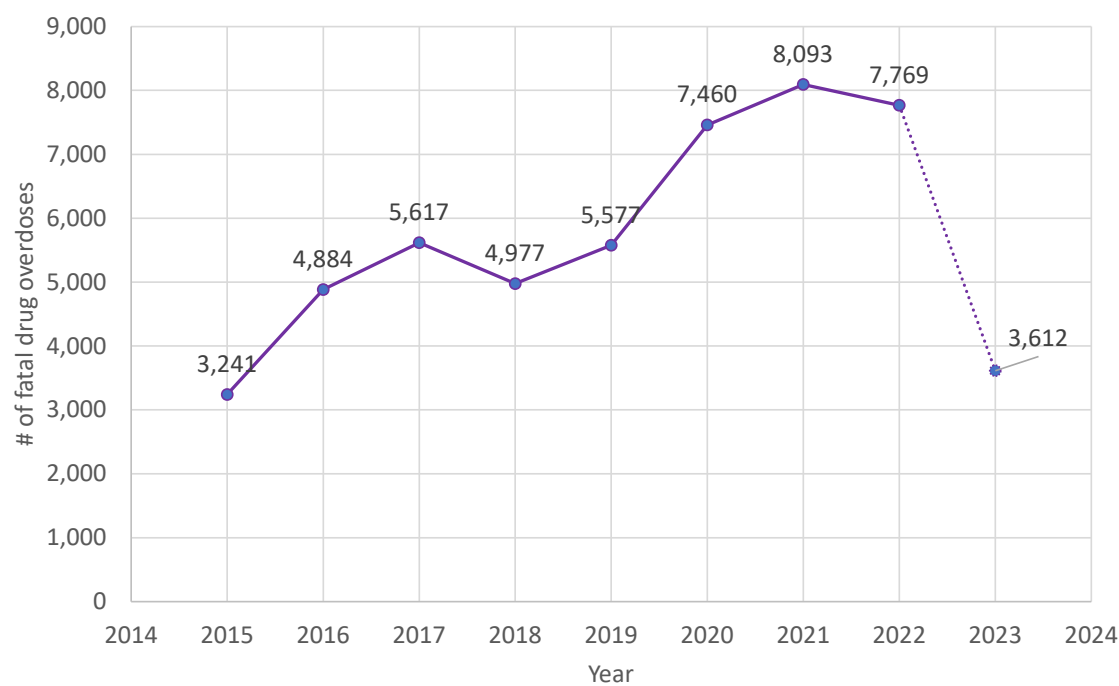
- Under 20,000 non-fatal opioid overdose (ED) visits were reported in 2022.
- 3,902 non-fatal opioid overdose visits from January – March 2023.

# Fatal Drug Overdose Death Rate in the U.S. and Florida, 2015- 2022



- The first decrease in drug overdose death rates since 2018 occurred in Florida for 2022.
- The U.S. death rate for drug overdoses remained the same from 2021-2022.

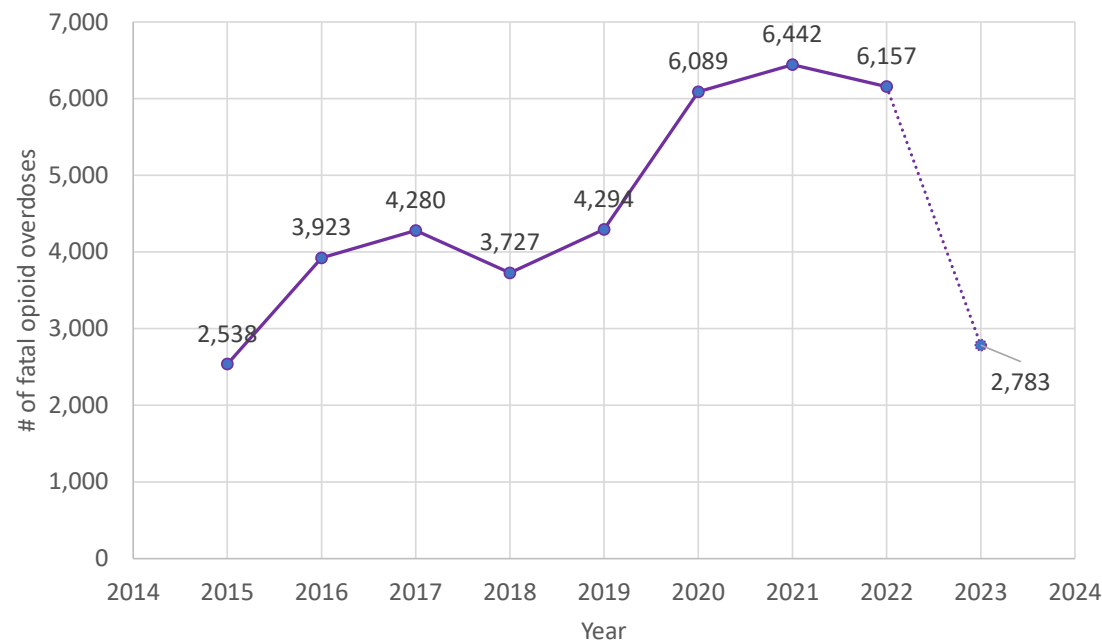
# Fatal Drug Overdose Deaths in Florida, From January 2015 – March 2023



- Drug overdose deaths decreased in Florida for the first time since 2018.
- 3,612 fatal drug overdose deaths reported from January – March 2023.



# Fatal Opioid Overdose Deaths in Florida, From January 2015 – March 2023

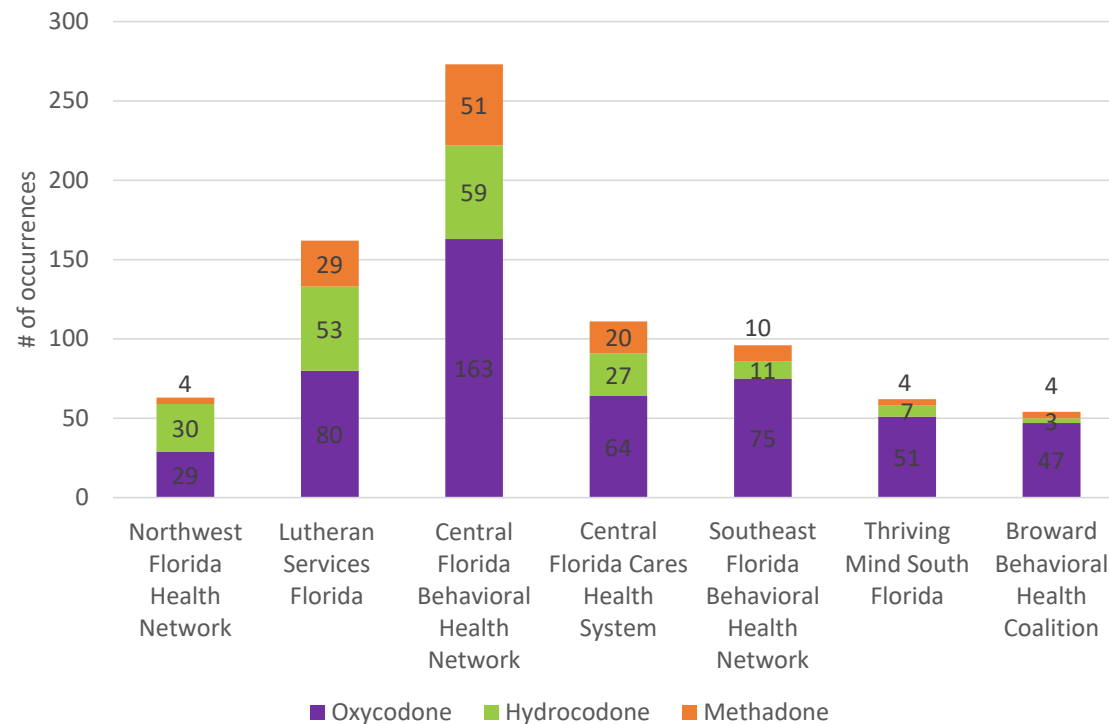


- Similar to drug overdose trends, opioid overdose deaths decreased in 2022.
- 2,783 fatal opioid overdose deaths reported from January – March 2023.

# Mortality

Florida Medical Examiners Commission 2023 Interim Report

# Prescription Opioids Occurrences among Decedents in Florida for Managing Entities, First Half of 2023



Rate per 100,000 population:

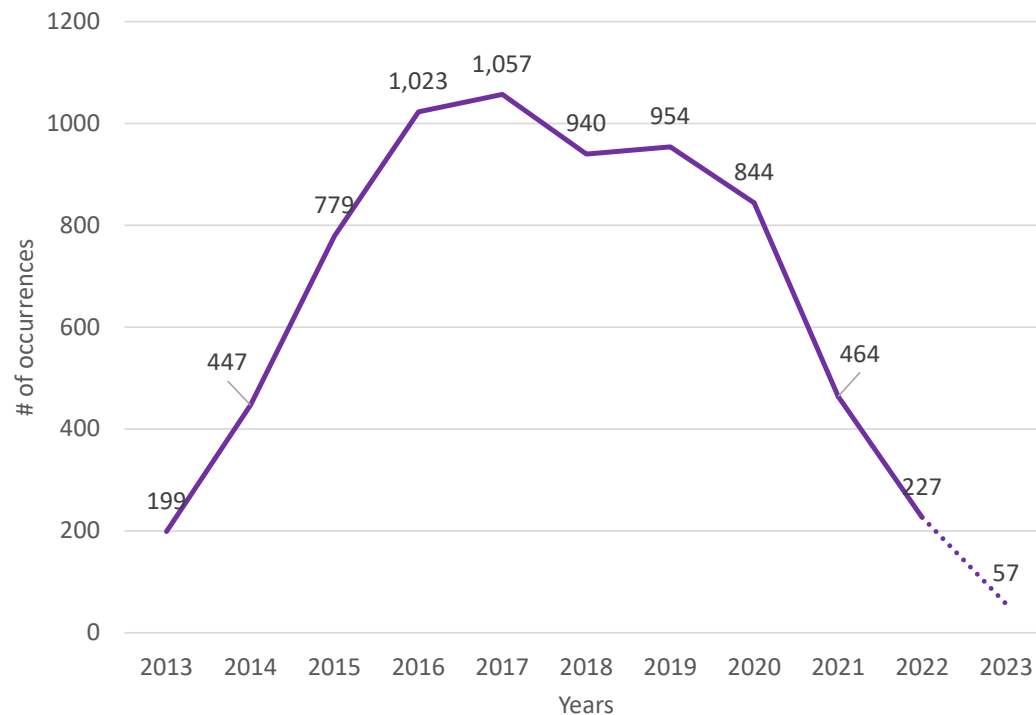
- NWFN: 3.9
- LSF: 3.6
- CFBHN: 4.2
- CFCHS: 3.6
- SFBHN: 4.2
- TMSF 2.2
- BBHC: 2.7

Note:

$(\# \text{ of occurrences} / \text{Managing Entity Pop.}) \times 100,000 = \text{Rate per 100,000}$

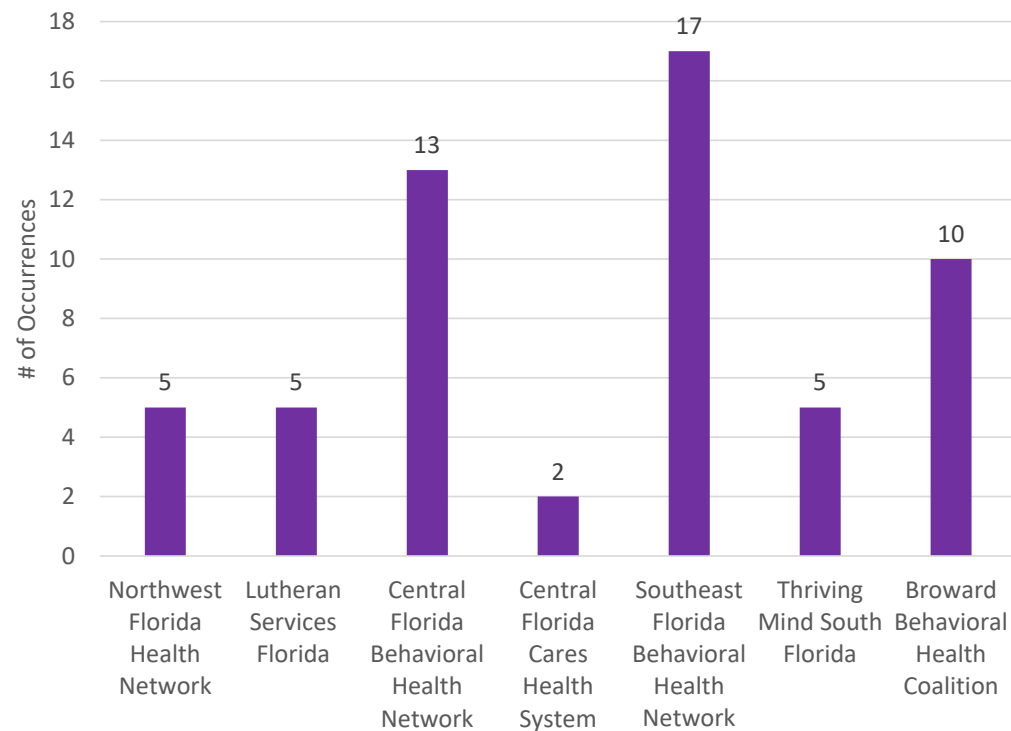
Adds value to the number of deaths for each Managing Entity due to population differences across Managing Entity regions.

# Heroin-related Deaths among Decedents in Florida, 2013- First Half of 2023



- Heroin-related deaths show a bell curve with highest rates in 2017.
- The number of heroin occurrences is becoming obsolete.
- Decline in heroin-related deaths will continue in 2023.

# Heroin-related Deaths among Decedents for Managing Entities, First Half of 2023



- Rate per 100,000 population:

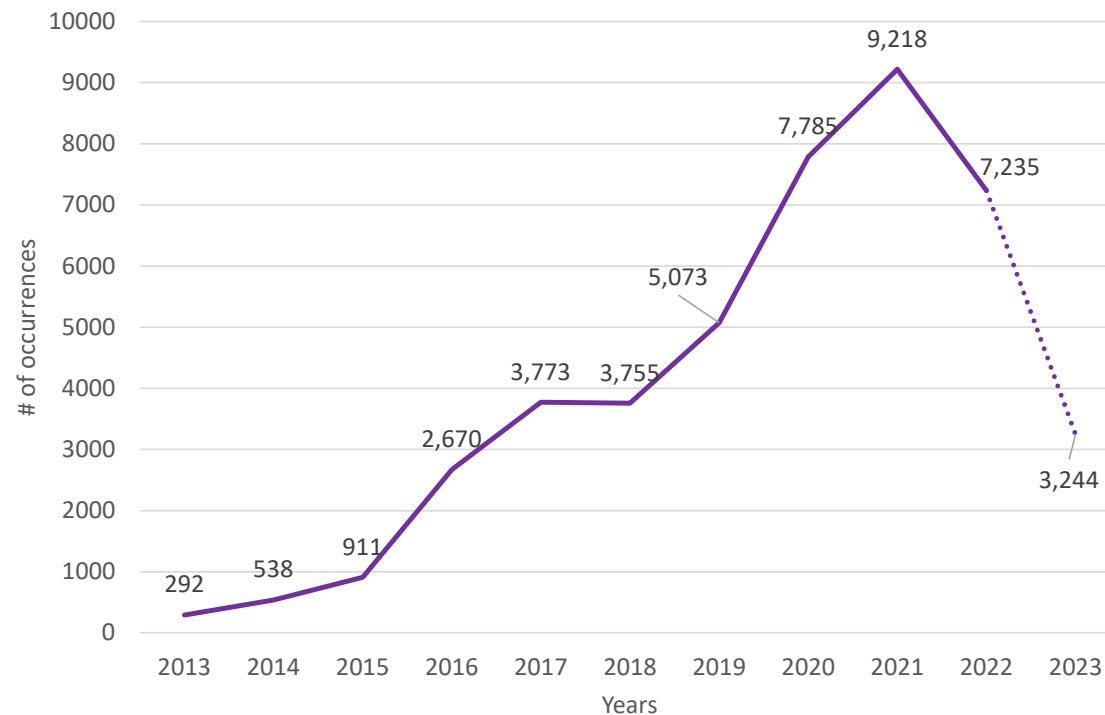
- NFHN: 0.31
- LSF: 0.11
- CFBHN: 0.20
- CFCHS: 0.07
- SFBHN: 0.75
- TMSF: 0.18
- BBHC: 0.15

Note:

(# of occurrences/ Managing Entity Pop.) x 100,000 = Rate per 100,000

Adds value to the number of deaths for each Managing Entity due to population differences across Managing Entity regions.

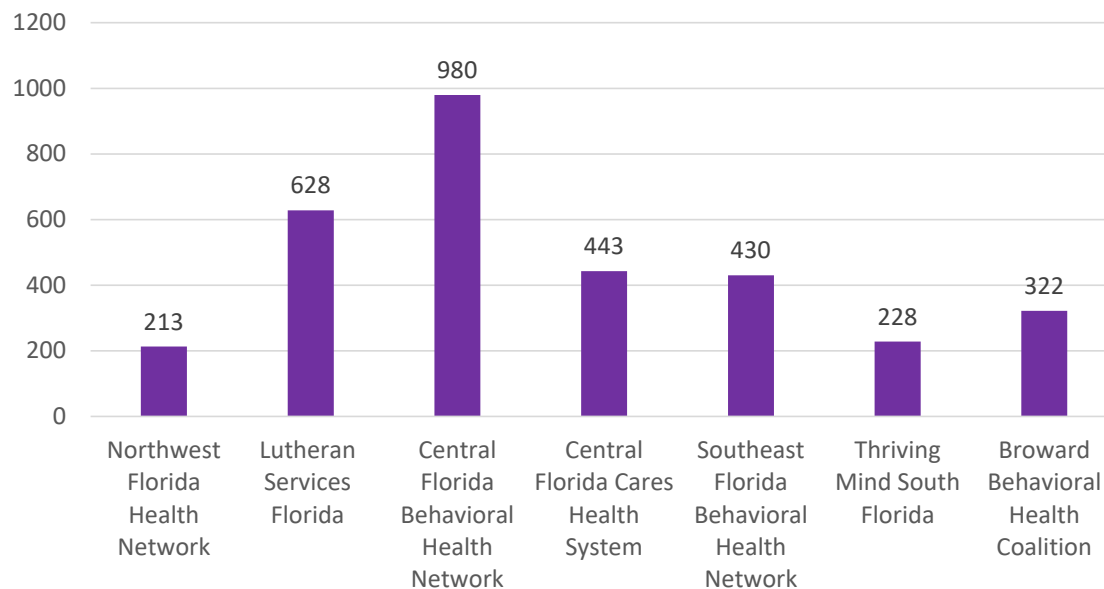
# Fentanyl and Fentanyl Analog-related Deaths among Decedents in Florida, 2013-First Half of 2023



- A decrease in fentanyl and fentanyl-analog-related deaths occurred in 2022.
- An additional decrease in deaths could occur in 2023 with 6,488 estimated fentanyl and fentanyl analog-related deaths.

Note: FH= First Half of 2023  
FH (n) x 2 = 2023 estimate

# Fentanyl and Fentanyl Analog-related deaths among decedents for Managing Entities, First Half of 2023



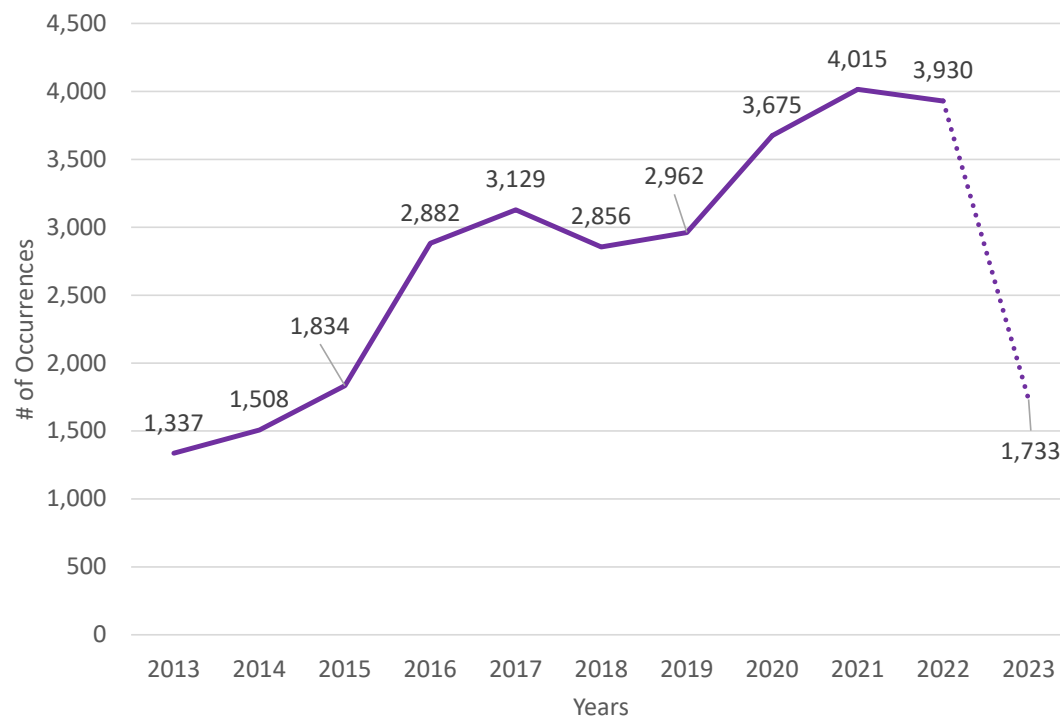
- Rate per 100,000 population:
  - NFHN: 13.2
  - LSF: 14.1
  - CFBHN: 15.2
  - CFCHS: 14.5
  - SFBHN: 18.9
  - TMSF: 8.0
  - BBHC: 16.3

Note:

$(\# \text{ of occurrences} / \text{Managing Entity Pop.}) \times 100,000 = \text{Rate per 100,000}$

Adds value to the number of deaths for each Managing Entity due to population differences across Managing Entity regions.

# Cocaine-related Deaths among Decedents in Florida, 2013- First Half of 2023

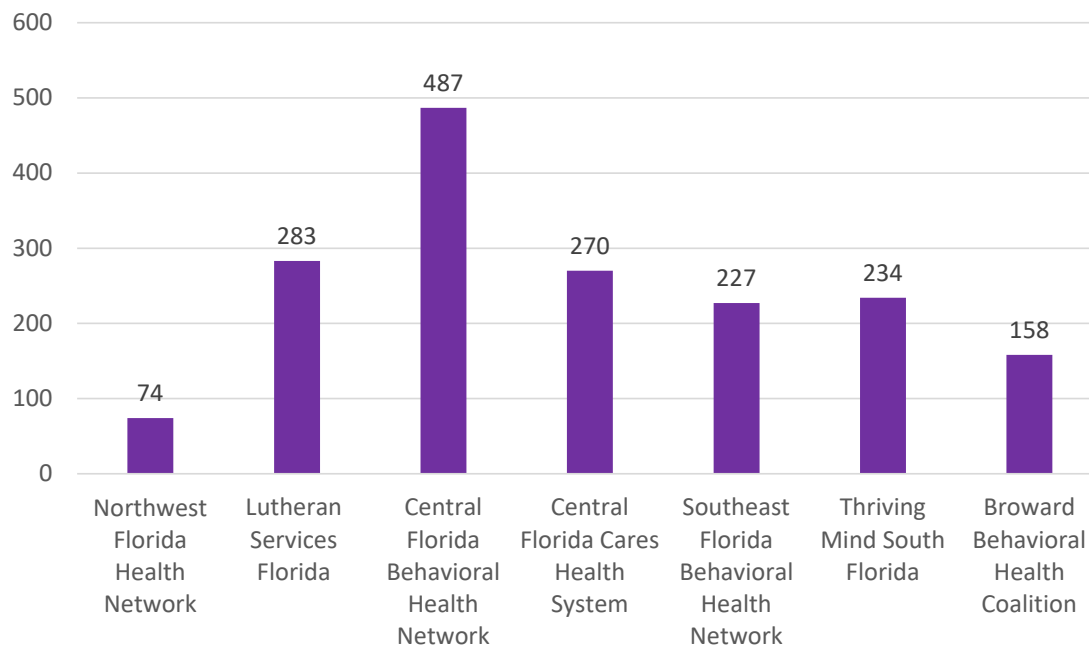


- For the first time since 2018, a decrease in cocaine-related deaths occurred in 2022.
- An estimate of 3,466 cocaine-related deaths could occur for 2023.

Note: FH= First Half of 2023  
FH (n) x 2 = 2023 estimate



# Cocaine-related Deaths among Decedents for Managing Entities, First Half of 2023



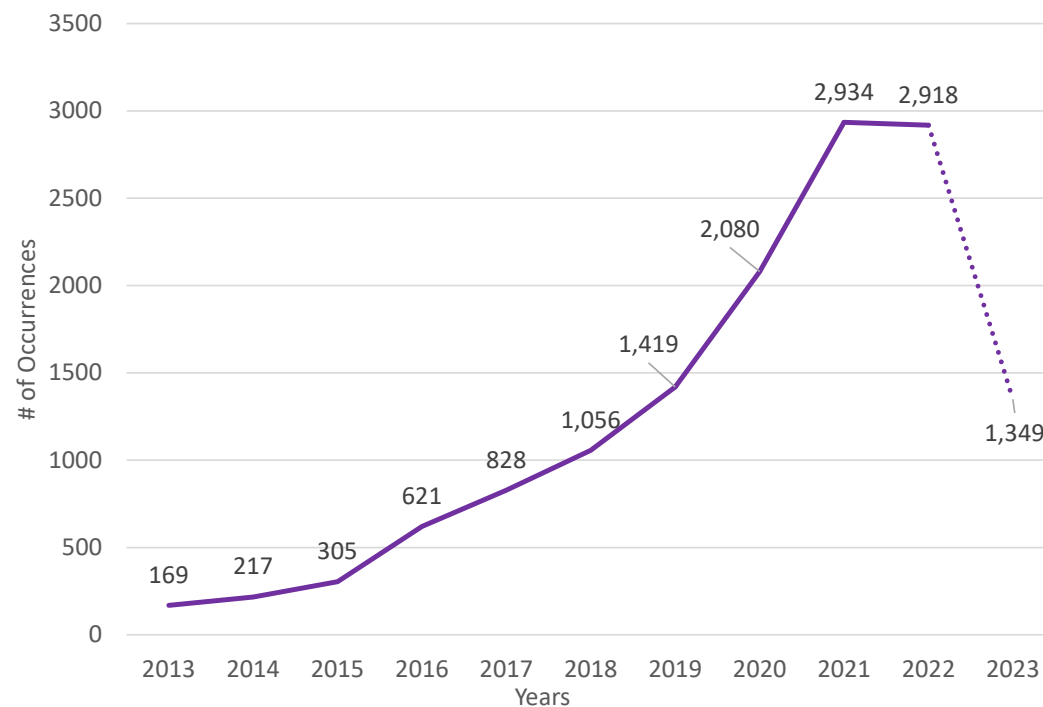
- Rate per 100,000 population:
  - NFHN: 4.6
  - LSF: 6.4
  - CFBHN: 7.5
  - CFCHS: 8.8
  - SFBHN = 10.0
  - TMSF: 8.2
  - BBHC: 8.0

Note:

$(\# \text{ of occurrences} / \text{Managing Entity Pop.}) \times 100,000 = \text{Rate per 100,000}$

Adds value to the number of deaths for each Managing Entity due to population differences across Managing Entity regions.

# Methamphetamine-related Deaths among Decedents in Florida, 2013- First half of 2023

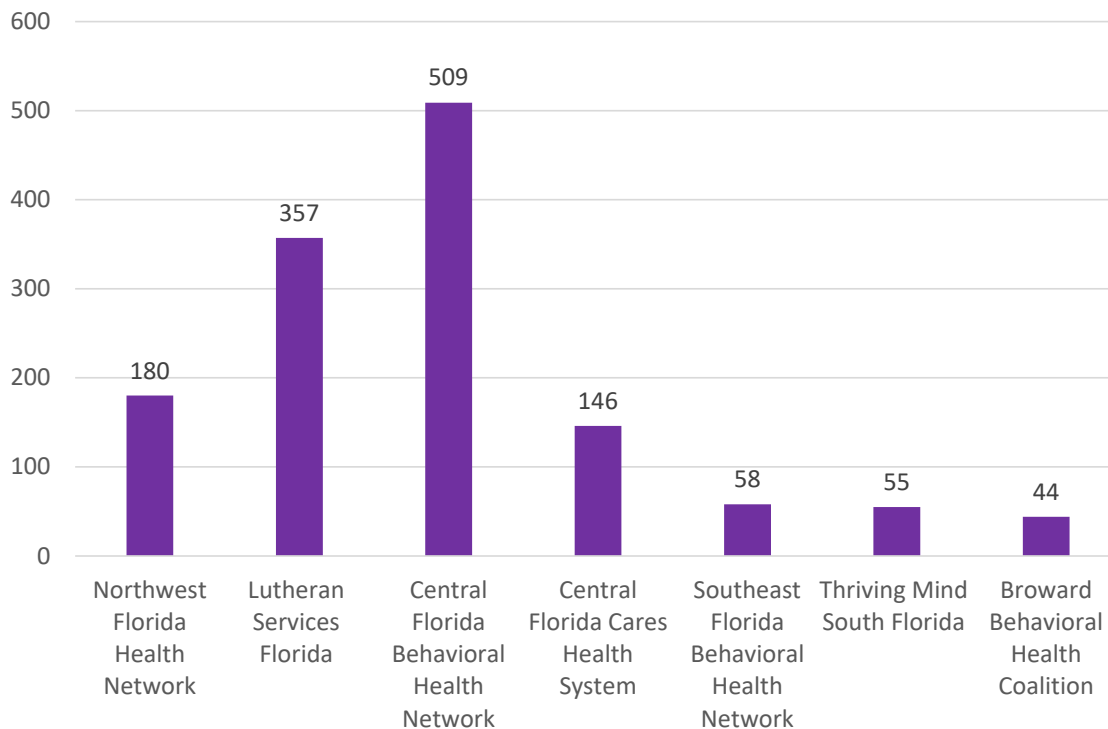


- 1,349 occurrences

- An additional decrease in the number of methamphetamine-related deaths for 2023

Note: FH= First Half of 2023  
FH (n) x 2 = 2023 estimate

# Methamphetamine-related Deaths among Decedents for Managing Entities, First Half of 2023



FDLE

- Rate per 100,000 population:

- NFHN: 11.2
- LSF: 8.0
- CFBHN: 7.9
- CFCHS: 4.8
- SEFBHN: 2.6
- TMSF: 1.9
- BBHC: 2.2

Note:

(# of occurrences/ Managing Entity Pop.) x 100,000 = Rate per 100,000

Adds value to the number of deaths for each Managing Entity due to population differences across Managing Entity regions.

# Conclusion

- Substances reported in the 2024 FYSAS show continued decreases in prevalence rate among Florida youth.
- Marijuana use among youth and adults has increased nationally, but not among Florida youth according to the 2024 FYSAS.
- Vaping nicotine and marijuana among youth remains steady with a slight decrease in overall rates for Florida youth according to recent FYSAS survey data. However, vaping nicotine is a top substance for youth nationally.

# Conclusion

- Florida Emergency Department Visits in 2022 decreased for the first time since 2018 and will likely decrease again in 2023.
- *Drugs Identified in Deceased Persons by Florida Medical Examiners: 2023 Interim Report*, indicates promising data reported to estimate additional decreases in drug overdoses from 2022 with the total number of occurrences among drugs listed decreasing.

# References

- [Centers for Disease Control and Prevention](#)
- [Florida Department of Health, FLHealth Charts](#)
- [Florida Medical Examiners Commission Drugs Identified in Deceased Persons by Florida Medical Examiners: 2023 Interim Report](#)
- [Florida Youth Substance Abuse Survey \(FYSAS\)](#)
- [Monitoring the Future Survey](#)
- [National Survey on Drug Use and Health](#)