Patterns of and Trends in Substance Use in Florida: Annual Report

Presented by: Ben Hackworth, MPH
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Objectives

• Identify updates in substance use trends for Florida youth
• Understand patterns of substance use regionally and statewide
• Understand morbidity and mortality trends in Florida
Introduction

- Update to the 2021 Update Report, *Patterns and Trends of Substance Use Within and Across the Regions of Florida*.
- In addition, new state-specific data from national surveillance efforts is included.
Data Sources

- Based on data released following the preparation of the annual report
  - National Survey on Drug Use and Health (NSDUH), sponsored by the Substance Abuse and Mental Health Services Administration (SAMHSA)
  - Youth Risk Behavioral Surveillance Survey (YRBSS), sponsored by the 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: 2020 Interim Report*, prepared by the Florida Medical Examiners Commission
Florida by Geographic Region, Managing Entity, County

- **Big Bend** Community Based Care 7%, (1,538,501)
- **Lutheran Services Florida** 18%, (3,905,648)
- **Central Florida Behavioral Health Network** 28%, (6,107,628)
- **Central Florida Cares Health System** 13%, (2,885,713)
- **Southeast Florida Behavioral Health Network** 10%, (2,151,006)
- **Broward Behavioral Health Coalition** 9%, (1,932,212)
- **South Florida Behavioral Health Network** 13%, (2,910,617)
Youth Risk Behavior Survey among U.S. and Florida High School Youth, 2019

• Alcohol and Other Drug Use by category
  • Male vs. Female
  • Race
  • Sexual Orientation

Source: YRBSS
Ever taking a Rx without a doctor’s permission among U.S. and Florida Youth, 2017 vs. 2019

Source: YRBSS
Lifetime Cocaine Use among U.S. and Florida Youth, 2009 - 2019

Prevalence %

Source: YRBSS
Lifetime and Past 30-day use of Marijuana among U.S. and Florida Youth, 2009 - 2019

Source: YRBSS
Past 30-day Alcohol Use among U.S. and Florida Youth, 2009 -2019

Source: YRBSS
Currently binge drink among U.S. and Florida Youth, 2017 vs. 2019

Prevalence %

<table>
<thead>
<tr>
<th>Year</th>
<th>U.S.</th>
<th>FL</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017</td>
<td>13.5</td>
<td>12.7</td>
</tr>
<tr>
<td>2019</td>
<td>13.7</td>
<td>12.4</td>
</tr>
</tbody>
</table>

Source: YRBSS
Select Substance Abuse Consequences

- At Risk Behaviors (e.g. Past Year Drug Use)
- Other Negative Consequences (e.g. Arrests, Crashes)
- Emergency Department Visits
- Hospitalizations
- Death
Annual Drug Arrests

Source: FLHealthCharts
Annual Adult Drug Arrests

Source: FLHealthCharts
Annual Juvenile Drug Arrests

Source: FLHealthCharts
Alcohol and Drug-related Motor Vehicle Crashes, Injuries, and Fatalities

• Motor Vehicle Crashes Confirmed to Involve Alcohol
  • 4,429 crashes involving alcohol in 2020
  • 297 were fatal
  • 2,487 injuries from impaired driving crashes

• Motor Vehicle Crashes Confirmed to Involve Both Drugs and Alcohol
  • 386 impaired driving crashes from alcohol and drugs
  • 300 were fatal
  • 324 injuries from both drugs and alcohol

Source: FLHSMV.
Morbidity

- Emergency room visits
All Drug Hospitalizations in Florida, 2015 - 2020*

*Only the first half of 2020 data is available

Source: FLHealthCharts
Opioid-involved Non-fatal Overdose Emergency Department Visits, 2015 – 2020*

*Only the first half of 2020 data is available

Source: FLHealthCharts
Mortality

• Fatal drug poisonings
Drug Overdose Deaths in Florida, 2015 - 2019

Source: FLHealthCharts
Opioid Overdose Deaths in Florida, 2015 - 2019

Source: FLHealthCharts
Florida Medical Examiner Data

• January- June 2020 data
• Total drug-related deaths increased by 13%
• 3,834 opioid-related deaths were reported, a 30.5% increase from January – June 2019

Source: FDLE
Prescription Drugs - Opiates from the Medical Examiners Interim Report, January – June 2020

Source: FDLE
Fentanyl and Fentanyl Analogue-related Deaths in Florida, January – June 2020

- **93.4%** of deaths with fentanyl involved a combination with other drugs
- **92.4%** of deaths with fentanyl were the cause of death
- **99.8%** of deaths with fentanyl analogues involved a combination with other drugs
- **47%** of deaths with fentanyl analogues were the cause of death
- Age of Decedent (Fentanyl): **35-50** had the highest deaths = **1,096**
- Age of Decedent (Fentanyl Analogues): **35-50** had the highest deaths = **336**

Source: FDLE
Fentanyl and Fentanyl Analogue-related Deaths in Florida, 2007-2020*

Source: FDLE
Fentanyl and Fentanyl Analogue-related Deaths by Managing Entity, January – June 2020

Source: FDLE
Heroin-related Deaths in Florida, January – June 2020

• 84.1% of deaths with heroin involved a combination with other drugs
• 84.1% of deaths with heroin were the cause of death
• Age of Decedent: 35-50 had the highest deaths = 196

Source: FDLE
Heroin-related Deaths in Florida, 2001 – 2020*

Source: FDLE
Heroin-related Deaths by Managing Entity, January – June 2020

<table>
<thead>
<tr>
<th>Managing Entity</th>
<th>Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>Big Bend Community Based Care</td>
<td>38</td>
</tr>
<tr>
<td>Lutheran Services Florida</td>
<td>81</td>
</tr>
<tr>
<td>Central Florida Behavioral Health Network</td>
<td>138</td>
</tr>
<tr>
<td>Central Florida Cares Health System</td>
<td>32</td>
</tr>
<tr>
<td>Southeast Florida Behavioral Health Network</td>
<td>88</td>
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<tr>
<td>South Florida Behavioral Health Network</td>
<td>29</td>
</tr>
<tr>
<td>Broward Behavioral Health Coalition</td>
<td>73</td>
</tr>
</tbody>
</table>

Source: FDLE
Cocaine-related Deaths in Florida, January – June 2020

• **90.5%** of deaths with cocaine involved a combination with other drugs
• **66.4%** of deaths with cocaine were the cause of death
• Age of Decedent: **35-50** had the highest deaths = **700**

Source: FDLE
Cocaine-related Deaths by Managing Entity, January – June 2020

- Big Bend Community Based Care: 70
- Lutheran Services Florida: 334
- Central Florida Behavioral Health Network: 475
- Central Florida Cares Health System: 261
- Southeast Florida Behavioral Health Network: 261
- South Florida Behavioral Health Network: 238
- Broward Behavioral Health Coalition: 212

Source: FDLE
Methamphetamine Deaths in Florida, January – June 2020

• **98%** of deaths with methamphetamine involved a combination with other drugs
• **46%** of deaths with methamphetamine were the cause of death
• Age of Decedent: **35-50** had the highest deaths = **427**

Source: FDLE
Methamphetamine-related Deaths in Florida, 2014 – 2020*

* First Half data for 2020 is doubled to estimate full year occurrences

Source: FDLE
Methamphetamine-related Deaths by Managing Entity, January – June 2020

Source: FDLE
Recap

• **Youth Substance Use.** Decline in alcohol use and binge drinking among youth. Marijuana rates continue to stay stable.

• **Substance Use Consequences.** Annual drug arrests decreased in 2019 for adults and youth.

• **Morbidity & Mortality.** Emergency department visits are expected to increase for 2020.
Recap

• **Opioids.** Clandestine fentanyl and fentanyl analogues will continue to increase in Florida for 2020.

• **Stimulants.** Deaths due to both cocaine and methamphetamine are expected to increase for 2020. An increase in cocaine deaths will occur in Florida for 2020 while the number of deaths involving methamphetamine continues to rise.
Questions?

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