2017
FLORIDA YOUTH
SUBSTANCE ABUSE SURVEY
October 5, 2017
Presentation Outline

1. Methodology
2. ATOD prevalence rate comparisons
3. Three key findings from the 2002-2017 FYSAS
4. ATOD trend summary
5. New FYSAS data
Methodology

- Survey administration: February of 2017
- Sampling strategy (odd-year): schools were selected to generate statistically representative state-level estimates
- Students surveyed in 38 out of 67 Florida counties
- Final sample size was 10,869 across grades 6 through 12
- The margin of error is less than 2.0 percentage points for M.S. and H.S. prevalence rates
Survey Validation

652 respondents (5.7%) identified and eliminated by one or more of five validation tests:

- ATOD exaggeration—199
- Antisocial behavior exaggeration—115
- Inconsistency—233
- Fictitious drug—350
- No response for more than 75% of the survey questions—219
ATOD Prevalence Rate Comparisons

- **Lifetime prevalence**—one or more uses in student’s lifetime
  - Indicates percentage of students who have tried or experimented

- **Past-30-day prevalence**—one or more uses in past 30 days
  - Indicates percentage of students who are current users
Lifetime Prevalence
High School

![Bar chart showing lifetime prevalence rates for various substances in high school.](chart.png)
Past-30-Day Prevalence
Middle School

<table>
<thead>
<tr>
<th>Substance</th>
<th>Past Two Weeks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcohol</td>
<td>7.3</td>
</tr>
<tr>
<td>Electronic Vaporizer</td>
<td>4.3</td>
</tr>
<tr>
<td>Marijuana or Hashish</td>
<td>3.1</td>
</tr>
<tr>
<td>Binge Drinking</td>
<td>2.7</td>
</tr>
<tr>
<td>Inhalants</td>
<td>2.4</td>
</tr>
<tr>
<td>Over-The-Counter Drugs</td>
<td>1.7</td>
</tr>
<tr>
<td>Prescription Pain Relievers</td>
<td>1.6</td>
</tr>
<tr>
<td>Cigarettes</td>
<td>1.2</td>
</tr>
<tr>
<td>Prescription Depressants</td>
<td>0.5</td>
</tr>
<tr>
<td>Methamphetamines</td>
<td>0.5</td>
</tr>
<tr>
<td>LSD, PCP, and Mushrooms</td>
<td>0.4</td>
</tr>
<tr>
<td>Cocaine or Crack</td>
<td>0.3</td>
</tr>
<tr>
<td>Club Drugs</td>
<td>0.3</td>
</tr>
<tr>
<td>Heroin</td>
<td>0.3</td>
</tr>
<tr>
<td>Steroids</td>
<td>0.2</td>
</tr>
<tr>
<td>Past Two Weeks</td>
<td>0.1</td>
</tr>
</tbody>
</table>
Past-30-Day Prevalence
High School

<table>
<thead>
<tr>
<th>Substance</th>
<th>Past Two Weeks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcohol</td>
<td>23.2%</td>
</tr>
<tr>
<td>Marijuana or Hashish</td>
<td>16.1%</td>
</tr>
<tr>
<td>Binge Drinking</td>
<td>10.5%</td>
</tr>
<tr>
<td>Electronic Vaporizer</td>
<td>10.1%</td>
</tr>
<tr>
<td>Cigarettes</td>
<td>3.7%</td>
</tr>
<tr>
<td>Over-The-Counter Drugs</td>
<td>2.1%</td>
</tr>
<tr>
<td>Prescription Pain Relievers</td>
<td>2.0%</td>
</tr>
<tr>
<td>Prescription Amphetamines</td>
<td>1.8%</td>
</tr>
<tr>
<td>LSD, PCP, and Mushrooms</td>
<td>1.4%</td>
</tr>
<tr>
<td>Inhalants</td>
<td>1.3%</td>
</tr>
<tr>
<td>Synthetic Marijuana</td>
<td>1.1%</td>
</tr>
<tr>
<td>Cocaine or Crack</td>
<td>0.8%</td>
</tr>
<tr>
<td>Club Drugs</td>
<td>0.6%</td>
</tr>
<tr>
<td>Methamphetamine</td>
<td>0.6%</td>
</tr>
<tr>
<td>Flakka</td>
<td>0.6%</td>
</tr>
<tr>
<td>Heroin</td>
<td>0.5%</td>
</tr>
<tr>
<td>Steroids</td>
<td>0.3%</td>
</tr>
<tr>
<td>Past Two Weeks</td>
<td>0.2%</td>
</tr>
</tbody>
</table>
ATODs and Driving
Past-30-Day Prevalence Among High School Students

<table>
<thead>
<tr>
<th>Activity</th>
<th>Alcohol</th>
<th>Marijuana</th>
</tr>
</thead>
<tbody>
<tr>
<td>Riding with a DUI Driver</td>
<td>15.5</td>
<td>22.6</td>
</tr>
<tr>
<td>Driving Under the Influence</td>
<td>4.5</td>
<td>9.4</td>
</tr>
</tbody>
</table>
Key Finding #1

- The long-term reductions in alcohol use and cigarette use continue
- Higher-risk alcohol use also down
- Early initiation continues to decline
Alcohol
Past-30-Day Prevalence by Grade Cohort

Middle School
High School
Alcohol

Past-30-Day Prevalence for 8th, 10th and 12th Graders
Early Alcohol Use
Initiation by Age 13—High School

Try Alcohol
Drinking at Least Once a Month


37.7 19.4 18.7 7.3 3.5 2.9

0% 10% 20% 30% 40%
On how many occasions (if any) in your lifetime have you woken up after a night of drinking alcoholic beverages and not been able to remember the things that you did or places that you went?
Alcohol and Driving Trends
Past-30-Day Prevalence Among High School Students

- Riding with a Drinking Driver
  - 2012: 21.4%
  - 2014: 18.1%
  - 2016: 16.4%
  - 2017: 14.5%

- Driving after Drinking
  - 2012: 8.1%
  - 2014: 6.6%
  - 2016: 5.4%
  - 2017: 4.5%
Cigarettes
Past-30-Day Prevalence by Grade Cohort

Middle School
High School
Early Cigarette Use
Initiation by Age 13—High School

Smoked a Cigarette, Even Just a Puff
Electronic Vaporizers
Past-30-Day Prevalence

<table>
<thead>
<tr>
<th></th>
<th>2016</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Middle School</td>
<td>5.1</td>
<td>4.3</td>
</tr>
<tr>
<td>High School</td>
<td>12.8</td>
<td>10.1</td>
</tr>
</tbody>
</table>
Key Finding #2

- All illicit drugs (other than marijuana) show reductions in use over the long term.
- Trend is continuing for many illicit drugs, but slowing for others.
- Reductions not as large as for alcohol and cigarettes.
Use of Any Illicit Drug (Other than Marijuana)
Past-30-Day Prevalence by Grade Cohort

<table>
<thead>
<tr>
<th>Year</th>
<th>Middle School</th>
<th>High School</th>
</tr>
</thead>
<tbody>
<tr>
<td>2002</td>
<td>10.6</td>
<td>9.6</td>
</tr>
<tr>
<td>2004</td>
<td>10.9</td>
<td>9.6</td>
</tr>
<tr>
<td>2006</td>
<td>10.6</td>
<td>9.6</td>
</tr>
<tr>
<td>2008</td>
<td>10.3</td>
<td>9.6</td>
</tr>
<tr>
<td>2010</td>
<td>7.7</td>
<td>6.3</td>
</tr>
<tr>
<td>2012</td>
<td>5.6</td>
<td>5.6</td>
</tr>
<tr>
<td>2014</td>
<td>5.3</td>
<td>5.3</td>
</tr>
<tr>
<td>2016</td>
<td>5.3</td>
<td>5.3</td>
</tr>
<tr>
<td>2017</td>
<td>5.3</td>
<td>5.3</td>
</tr>
</tbody>
</table>
Any Prescription Drug
Past-30-Day Prevalence by Grade Cohort


Middle School  High School
Synthetic Marijuana
Lifetime and Past-30-Day Prevalence among High School Students

<table>
<thead>
<tr>
<th>Year</th>
<th>Lifetime Prevalence</th>
<th>Past-30-Day Prevalence</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011</td>
<td>11.9</td>
<td>3.3</td>
</tr>
<tr>
<td>2012</td>
<td>13.0</td>
<td>4.3</td>
</tr>
<tr>
<td>2013</td>
<td>10.4</td>
<td>1.8</td>
</tr>
<tr>
<td>2014</td>
<td>8.8</td>
<td>1.4</td>
</tr>
<tr>
<td>2015</td>
<td>6.2</td>
<td>1.0</td>
</tr>
<tr>
<td>2016</td>
<td>4.9</td>
<td>1.0</td>
</tr>
<tr>
<td>2017</td>
<td>3.5</td>
<td>0.8</td>
</tr>
</tbody>
</table>
Key Finding #3

- Modest short-term reductions in marijuana use, particularly among high school students
- Unlike other ATODs, long-term pattern is mixed
- Attitudes toward marijuana use are different than other ATODs
Marijuana

Past-30-Day Prevalence by Grade Cohort

<table>
<thead>
<tr>
<th>Year</th>
<th>Middle School</th>
<th>High School</th>
</tr>
</thead>
<tbody>
<tr>
<td>2002</td>
<td>5.9</td>
<td>17.2</td>
</tr>
<tr>
<td>2004</td>
<td>5.7</td>
<td>18.6</td>
</tr>
<tr>
<td>2006</td>
<td>10%</td>
<td>17.0</td>
</tr>
<tr>
<td>2008</td>
<td>15%</td>
<td>16.1</td>
</tr>
<tr>
<td>2010</td>
<td>20%</td>
<td></td>
</tr>
<tr>
<td>2012</td>
<td>25%</td>
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<td>2014</td>
<td>2002</td>
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<td>2016</td>
<td>2004</td>
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<tr>
<td>2017</td>
<td>2006</td>
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<tr>
<td>2018</td>
<td>2008</td>
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<td>2019</td>
<td>2010</td>
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<td>2014</td>
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<td>2022</td>
<td>2016</td>
<td></td>
</tr>
<tr>
<td>2023</td>
<td>2017</td>
<td></td>
</tr>
</tbody>
</table>
Early Marijuana Use
Initiation by Age 13—High School

Smoked Marijuana

Year: 2002 - 2017

- 2002: 13.4%
- 2004: 13.4%
- 2006: 10.6%
- 2008: 10.6%
- 2010: 10.6%
- 2012: 10.6%
- 2014: 10.6%
- 2016: 10.6%
- 2017: 9.4%
Risk of Harm
Percentage Reporting “Great Risk”

- Alcohol
- Cigarettes
- Try Marijuana


- Alcohol: 38.5, 42.8, 46.7
- Cigarettes: 63.7, 68.4, 67.7
- Try Marijuana: 30.0, 32.5, 24.9, 24.6
Disapproval of ATOD Use
“Wrong” or “Very Wrong”

Cigarettes
Alcohol
Marijuana

66.4 62.8 77.9 79.9 91.0 91.6


60% 70% 80% 90% 100%
Overall ATOD Use

- Dramatic reductions since 2004
- Rate of decline has increased since 2010
- Reductions occurring in both M.S. and H.S.
Use of Alcohol, Tobacco, or Any Illicit Drug
Past-30-Day Prevalence Among Middle School Students

Middle School 2004-2017
Percentage Point Decrease = 15.9
Use of Alcohol, Tobacco, or Any Illicit Drug
Past-30-Day Prevalence Among High School Students

High School 2004-2017
Percentage Point Decrease = 16.3
Students Reporting No ATOD Use in the Past 30 Days

Middle School 2004-2017
Percentage Point Increase = 15.9


73.3 72.5 87.3 88.4
Students Reporting **No ATOD Use** in the Past 30 Days

High School 2004-2017
Percentage Point Increase = 16.3
Percentage Point Change 2002-2017
Past-30-Day Prevalence

Alcohol: -14.7%
Binge Drinking: -8.8%
Cigarettes: -8.8%
Inhalants: -2.0%
Prescription Pain Relievers: -1.8%
Prescription Depressants: -1.5%
Marijuana or Hashish: -1.5%
Methamphetamine: -0.4%
Steroids: -0.4%
Prescription Amphetamines: -0.4%
Heroin: -0.2%
Percentage Point Change 2016-2017
Past-30-Day Prevalence

Vaping: -1.9%
Alcohol: -1.8%
Cigarettes: -0.8%
Marijuana or Hashish: -0.6%
Binge Drinking: -0.5%
Prescription Depressants: -0.4%
Synthetic Marijuana: -0.2%
Prescription Pain Relievers: -0.2%
Over-The-Counter Drugs: -0.1%
Cocaine or Crack: -0.1%
Inhalants: -0.1%
LSD, PCP, or Mushrooms: 0.0%
Steroids: 0.0%
Heroin: 0.0%
Flakka: 0.0%
Methamphetamine: 0.1%
New FYSAS Data

Unstructured/Unsupervised Time
Impulsiveness
Sleep
How many hours per week do you spend hanging out with friends, not doing anything in particular, where no adults are present?
Unstructured Time and ATOD Use

Past-30-Day Prevalence Rates

Binge Drinking
Marijuana
Vapor Products
Illicit Drugs Other Than Marijuana

0%
10%
20%
30%
40%

Binge Drinking
Marijuana
Vapor Products
Illicit Drugs Other Than Marijuana
Impulsiveness
“Agree” or “Strongly Agree”

- Do what brings me pleasure now: 29.7%
- More concerned with short run: 22.8%
- Getting in trouble is exciting: 25.5%
- Excitement more important than security: 25.7%
- Stay away when I'm angry: 34.4%
- Get upset when I disagree: 40.2%
Impulsiveness

Number of Items with “Agree” or “Strongly Agree”

- No Items: 30.2%
- 1 Item: 20.1%
- 2 Items: 19.4%
- 3 Items: 13.7%
- 4 Items: 8.8%
- 5 Items: 4.7%
- All 6 Items: 3.1%
Impulsiveness and ATOD Use

Past-30-Day Prevalence Rates

- Binge Drinking
  - Past 0%
  - Past 10%
  - Past 20%
  - Past 30%
  - Past 40%
  - Past 50%

- Marijuana
  - Past 0%
  - Past 10%
  - Past 20%
  - Past 30%
  - Past 40%
  - Past 50%

- Vapor Products
  - Past 0%
  - Past 10%
  - Past 20%
  - Past 30%
  - Past 40%
  - Past 50%

- Illicit Drugs Other Than Marijuana
  - Past 0%
  - Past 10%
  - Past 20%
  - Past 30%
  - Past 40%
  - Past 50%
Hours of Sleep on a School Night

- 4 Hours or Less: Middle School 5, High School 11
- 5 Hours: Middle School 6, High School 18
- 6 Hours: Middle School 10, High School 24
- 7 Hours: Middle School 19, High School 25
- 8 Hours: Middle School 32, High School 17
- 9 Hours: Middle School 19, High School 4
- 10+ Hours: Middle School 10, High School 2

Legend:
- Red: Middle School
- Blue: High School
Life not worth it
- 43%
- 38%
- 26%
- 22%
- 18%
- 16%
- 15%
I am no good at all
- 52%
- 52%
- 42%
- 36%
- 30%
- 28%
- 33%
I am a failure
- 40%
- 35%
- 25%
- 20%
- 17%
- 15%
- 18%
Depressed or sad most days
- 57%
- 53%
- 42%
- 38%
- 33%
- 31%
- 35%