2016
FLORIDA YOUTH
SUBSTANCE ABUSE SURVEY

October 4, 2016
Presentation Outline

1. Methodology
2. ATOD prevalence rate comparisons
3. Three key findings from the 2002-2016 FYSAS
4. ATOD trend summary
5. Special FYSAS topics
Methodology

- Survey administration: February of 2016
- Sampling strategy: schools were selected to generate statistically representative state-level and county-level estimates
- Students surveyed in all 67 Florida counties
- Final sample size was 65,776 across grades 6 through 12
- The margin of error is less than 1.0 percentage point for M.S. and H.S. prevalence rates
Survey Validation

3,391 respondents (4.9%) identified and eliminated by one or more of five validation tests:

- ATOD exaggeration—1,085
- Antisocial behavior exaggeration—500
- Inconsistency—1,249
- Fictitious drug—1,756
- No response for more than 75% of the survey questions—1,100
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

- Alcohol: 51.4%
- Marijuana or Hashish: 33.9%
- Cigarettes: 31.7%
- Blacked Out from Drinking: 18.5%
- Prescription Depressants: 15.9%
- Over-The-Counter Drugs: 6.5%
- Synthetic Marijuana: 5.8%
- LSD, PCP, and Mushrooms: 5.3%
- Prescription Amphetamines: 4.9%
- Inhalants: 4.8%
- Club Drugs: 4.7%
- Cocaine or Crack: 4.6%
- Flakka: 3.0%
- Needle to Inject Drug: 2.5%
- Steroids: 1.0%
- Heroin: 0.8%
- Stimulants: 0.5%
- Hallucinogens: 0.4%
Past-30-Day Prevalence
Middle School

Past Two Weeks
Past-30-Day Prevalence
High School

Past Two Weeks
Key Long-Term Finding #1

- Reduced alcohol use
- Higher-risk alcohol use also down
- Reduced cigarette use
- Early initiation becoming less common
Changes Have Been:

- **Dramatic**
  - Falling by nearly half or more than half for most indicators

- **Continuous**
  - Reductions in the majority of survey years, trend line continuing down

- **Widespread**
  - Occurring across demographic groups
Alcohol

Past-30-Day Prevalence by Grade Cohort

Middle School
High School

<table>
<thead>
<tr>
<th>Year</th>
<th>Middle School</th>
<th>High School</th>
</tr>
</thead>
<tbody>
<tr>
<td>2002</td>
<td>19.7</td>
<td>40.8</td>
</tr>
<tr>
<td>2004</td>
<td>20.3</td>
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<td>2006</td>
<td>25.5</td>
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<td>11.5</td>
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<tr>
<td>2016</td>
<td>3.1</td>
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</table>
Alcohol
Past-30-Day Prevalence for 8th, 10th and 12th Graders

MTF  FYSAS

<table>
<thead>
<tr>
<th>Year</th>
<th>MTF</th>
<th>FYSAS</th>
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<tbody>
<tr>
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<td>34.5</td>
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<td>2015</td>
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<td>26.6</td>
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<tr>
<td>2016</td>
<td>23.3</td>
<td>23.3</td>
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</table>
Early Alcohol Use
Initiation by Age 13—High School

Try Alcohol

Regular Alcohol Use

Binge Drinking
Prevalence for 8th, 10th and 12th Graders

MTF
FYSAS

<table>
<thead>
<tr>
<th>Year</th>
<th>MTF</th>
<th>FYSAS</th>
</tr>
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<tbody>
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<td>21.9</td>
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<tr>
<td>2003</td>
<td>19.7</td>
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<td>2004</td>
<td>18.0</td>
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<td>2016</td>
<td>10.9</td>
<td></td>
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<tr>
<td>2017</td>
<td>9.9</td>
<td></td>
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</tbody>
</table>
Cigarettes
Past-30-Day Prevalence by Grade Cohort

Middle School
High School
Cigarettes
Past-30-Day Prevalence for 8th, 10th and 12th Graders

MTF
FYSAS
Early Cigarette Use
Initiation by Age 13—High School

Smoked a Cigarette, Even Just a Puff
Key Long-Term Finding #2

- All illicit drugs (other than marijuana) show reductions in use over the long term
- Almost all illicit drugs (other than marijuana) show reductions in use since 2014
- Reductions not as large as alcohol and cigarettes
Use of Any Illicit Drug (Other than Marijuana) 
Past-30-Day Prevalence by Grade Cohort


Middle School  High School
Inhalants
Past-30-Day Prevalence by Grade Cohort

Middle School

High School
Inhalants
Past-30-Day Prevalence for 8th Graders


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

11.9 13.0 10.4 8.8 6.2 4.9

3.3 4.3 1.8 1.4 1.0 1.0

Lifetime Prevalence
Past-30-Day Prevalence
Key Long-Term Finding #3

- **Marijuana** trend different than other ATODs
- Short-term reduction in use, but long-term pattern is mixed
- Attitudes toward marijuana use are different than other ATODs
Marijuana
Past-30-Day Prevalence by Grade Cohort

Middle School
High School
Marijuana

Past-30-Day Prevalence for 8th, 10th and 12th Graders


MTF FYSAS
Early Marijuana Use
Initiation by Age 13—High School

![Graph showing the percentage of early marijuana use by age 13 from 2002 to 2016. The graph indicates a slight decrease in the percentage over time, with the highest percentage in 2002 at 13.4% and the lowest in 2016 at 10.6%.](image-url)
Risk of Harm
Percentage Reporting “Great Risk”

- Alcohol
- Cigarettes
- Try Marijuana

2002: 30.0%
2004: 32.5%
2006: 32.5%
2008: 32.5%
2010: 32.5%
2012: 25.3%
2014: 25.3%
2016: 24.9%

2002: 63.7%
2004: 69.1%
2006: 69.1%
2008: 69.1%
2010: 69.1%
2012: 69.1%
2014: 69.1%
2016: 68.4%
Disapproval of ATOD Use
“Wrong” or “Very Wrong”

<table>
<thead>
<tr>
<th>Year</th>
<th>Cigarettes</th>
<th>Alcohol</th>
<th>Marijuana</th>
</tr>
</thead>
<tbody>
<tr>
<td>2002</td>
<td>66.4</td>
<td>66.4</td>
<td>66.4</td>
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<tr>
<td>2004</td>
<td>77.9</td>
<td>77.9</td>
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<td>2006</td>
<td>79.9</td>
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<td>2008</td>
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<td>2010</td>
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<td>80%</td>
<td>80%</td>
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<td>2012</td>
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<td>80%</td>
<td>80%</td>
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<td>2014</td>
<td>80%</td>
<td>80%</td>
<td>80%</td>
</tr>
<tr>
<td>2016</td>
<td>91.0</td>
<td>91.0</td>
<td>91.0</td>
</tr>
</tbody>
</table>
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 2004-2016
Percentage Point Decrease = 14.8
Use of Alcohol, Tobacco, or Any Illicit Drug
Past-30-Day Prevalence Among High School Students

High School 2004-2016
Percentage Point Decrease = 14.7

High School

Percentage
35% 40% 45% 50% 55%
Year

Prevalence
46.6 48.0 37.3 33.3

Use of Alcohol, Tobacco, or Any Illicit Drug
Past-30-Day Prevalence Among High School Students

High School

Percentage
35% 40% 45% 50% 55%
Year

Prevalence
46.6 48.0 37.3 33.3

High School 2004-2016
Percentage Point Decrease = 14.7

High School
Students Reporting No ATOD Use in the Past 30 Days

Middle School 2004-2016
Percentage Point Increase = 14.8
Students Reporting No ATOD Use in the Past 30 Days

High School 2004-2016
Percentage Point Increase = 14.7
Percentage Point Change 2014-2016
Past-30-Day Prevalence

-2.2%  -1.8%  -1.5%  -1.2%  -0.5%  -0.4%  -0.3%  -0.1%  -0.1%  -0.1%  -0.1%  -0.1%  -0.1%  0.0%  0.0%  0.3%

-6%  -4%  -2%  0%  2%  4%  6%

Alcohol  Binge Drinking  Cigarettes  Marijuana or Hashish  Inhalants  Synthetic Marijuana  Prescription Pain Relievers  Over-The-Counter Drugs  Methamphetamine  Steroids  Club Drugs  LSD, PCP, or Mushrooms  Heroin  Prescription Amphetamines  Cocaine or Crack  Prescription Depressants

High School Only
Special FYSAS Topics

ATOD Use and Driving
ATOD Use by Gender/Race/Ethnicity
Symptoms of Depression
ATOD Use at School
ATODs and Driving
Past-30-Day Prevalence Among High School Students

- Riding with a DUI Driver:
  - Alcohol: 16.4%
  - Marijuana: 22.7%

- Driving Under the Influence:
  - Alcohol: 5.4%
  - Marijuana: 10.3%
ATODs and Driving Trends
Past-30-Day Prevalence Among High School Students

- Riding with Drinking Driver
- Riding with Marijuana Driver
- Driving after Drinking
- Driving after Marijuana
Riding with a Drinking Driver
Past-30-Day Prevalence Among Non-Drinkers and Drinkers

<table>
<thead>
<tr>
<th></th>
<th>Non-Drinkers</th>
<th>Drinkers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prevalence (Past 30 days)</td>
<td>10.2%</td>
<td>33.5%</td>
</tr>
</tbody>
</table>
Riding with a Marijuana-Using Driver
Past-30-Day Prevalence Among Non-Users and Users

Marijuana Non-Users: 12.3%
Marijuana Users: 71.9%
ATOD Use and Gender
Past-30-Day and Lifetime Prevalence

<table>
<thead>
<tr>
<th>Substance</th>
<th>Female</th>
<th>Male</th>
<th>Female</th>
<th>Male</th>
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<tbody>
<tr>
<td>Alcohol</td>
<td>19.9</td>
<td>17.0</td>
<td>16.5</td>
<td>15.4</td>
</tr>
<tr>
<td>Blacking Out</td>
<td>8.4</td>
<td>10.6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vaping/E-Cigs</td>
<td></td>
<td></td>
<td>10.9</td>
<td>11.5</td>
</tr>
<tr>
<td>Marijuana</td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>
ATOD Use and Race/Ethnicity
Past-30-Day Prevalence

Alcohol
Vaping/E-Cigs
Marijuana

African American
Hispanic/Latino
White, non-Hispanic
African American
Hispanic/Latino
White, non-Hispanic
African American
Hispanic/Latino
White, non-Hispanic

12.4
18.6
21.4
5.5
9.6
11.8
9.1
10.7
12.3

0%
10%
20%
30%
40%
50%
ATOD Use and Race/Ethnicity

Cigarettes: Risk of Harm and Disapproval

- **Perceived Risk**
- **Personal Disapproval**
- **Peer Disapproval**

<table>
<thead>
<tr>
<th>Race/Ethnicity</th>
<th>Perceived Risk</th>
<th>Personal Disapproval</th>
<th>Peer Disapproval</th>
</tr>
</thead>
<tbody>
<tr>
<td>African American</td>
<td>64.1</td>
<td>93.7</td>
<td>93.1</td>
</tr>
<tr>
<td>Hispanic/Latino</td>
<td>65.7</td>
<td>91.4</td>
<td>91.5</td>
</tr>
<tr>
<td>White, non-Hispanic</td>
<td>71.2</td>
<td>89.5</td>
<td>88.3</td>
</tr>
</tbody>
</table>
Symptoms of Depression

“yes” or “YES!”

![Bar chart showing percentages of symptoms of depression.](chart.png)

- Life Not Worth It: 23.5%
- I Think I Am No Good: 35.7%
- I Am a Failure: 21.5%
- Sad or Depressed Most Days: 39.7%
Symptoms of Depression
By Gender

<table>
<thead>
<tr>
<th></th>
<th>Female</th>
<th>Male</th>
</tr>
</thead>
<tbody>
<tr>
<td>Life Not Worth It</td>
<td>31.1%</td>
<td>15.8%</td>
</tr>
<tr>
<td>I Think I Am No Good</td>
<td>46.2%</td>
<td>25.2%</td>
</tr>
<tr>
<td>I Am a Failure</td>
<td>27.6%</td>
<td>15.3%</td>
</tr>
<tr>
<td>Sad or Depressed Most Days</td>
<td>50.5%</td>
<td>29.0%</td>
</tr>
</tbody>
</table>
Depression
Number of Symptoms

<table>
<thead>
<tr>
<th>No Symptoms</th>
<th>1 Symptom</th>
<th>2 Symptoms</th>
<th>3 Symptoms</th>
<th>4 Symptoms</th>
</tr>
</thead>
<tbody>
<tr>
<td>49.2%</td>
<td>17.0%</td>
<td>11.6%</td>
<td>9.7%</td>
<td>12.6%</td>
</tr>
</tbody>
</table>
Symptoms of Depression
Past-30-Day ATOD Use

Symptoms of Depression
Past-30-Day ATOD Use

0% 10% 20% 30%

0 Symptoms 1 Symptom 2 Symptoms 3 Symptoms 4 Symptoms

Alcohol Vaping/E-Cigs Marijuana Any Illicit (No Marijuana)

49
ATOD Use Before or During School
Past-12-Month Prevalence

- Alcohol: Middle School 3.3%, High School 6.5%
- Marijuana: Middle School 3.2%, High School 12.2%
- Another Drug: Middle School 1.4%, High School 3.9%