2017
FLORIDA YOUTH
SUBSTANCE ABUSE SURVEY

October 5, 2017

1

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:
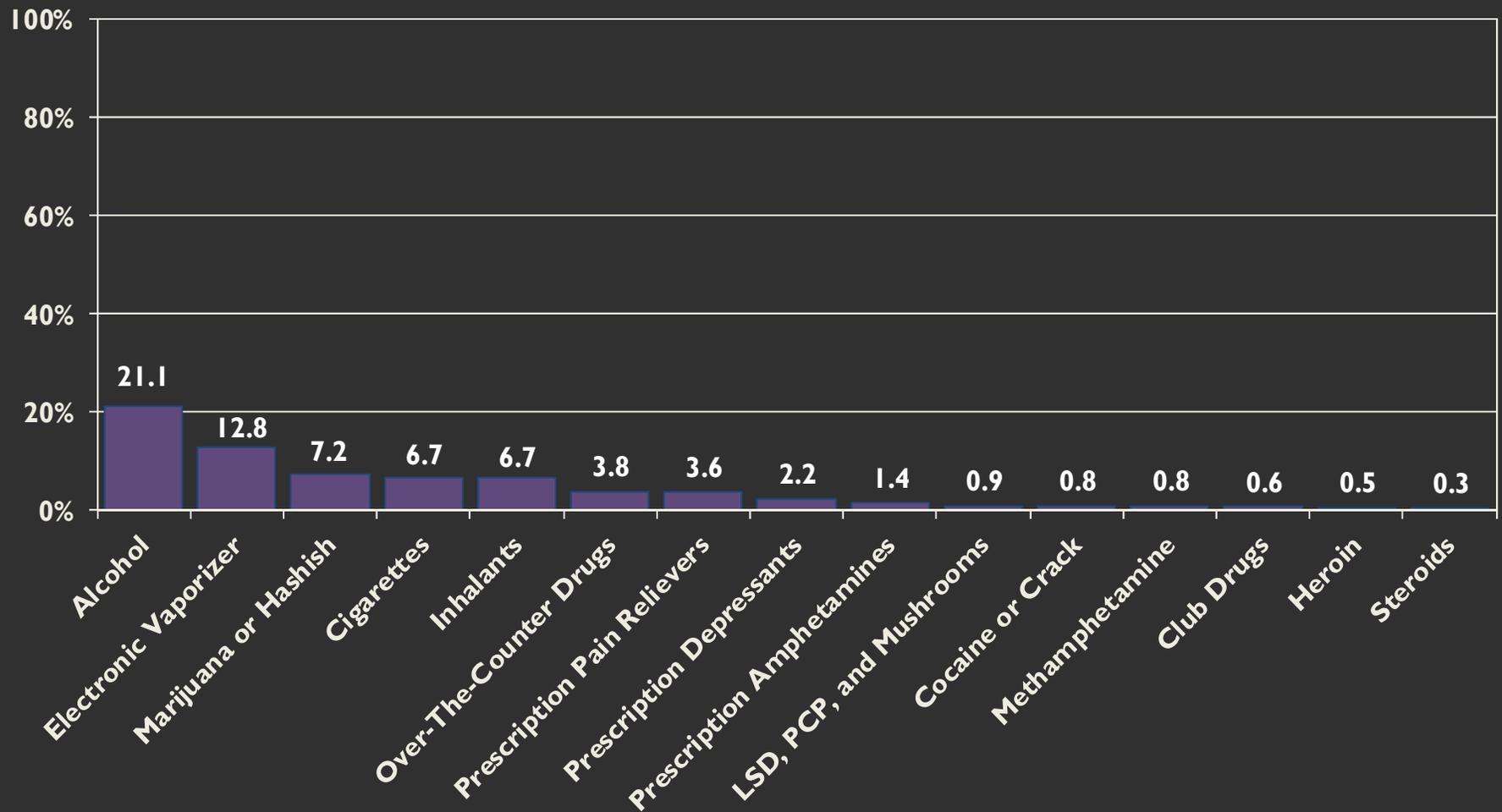
- ATOD exaggeration—199

- Antisocial behavior exaggeration—115

- Inconsistency—233

- Fictitious drug—350

- No response for more than 75% of the survey questions—219

ATOD Prevalence Rate Comparisons

- <u>Lifetime prevalence</u>—one or more uses in student's lifetime

  → *Indicates percentage of students who have tried or experimented*

- <u>Past-30-day prevalence</u>—one or more uses in past 30 days

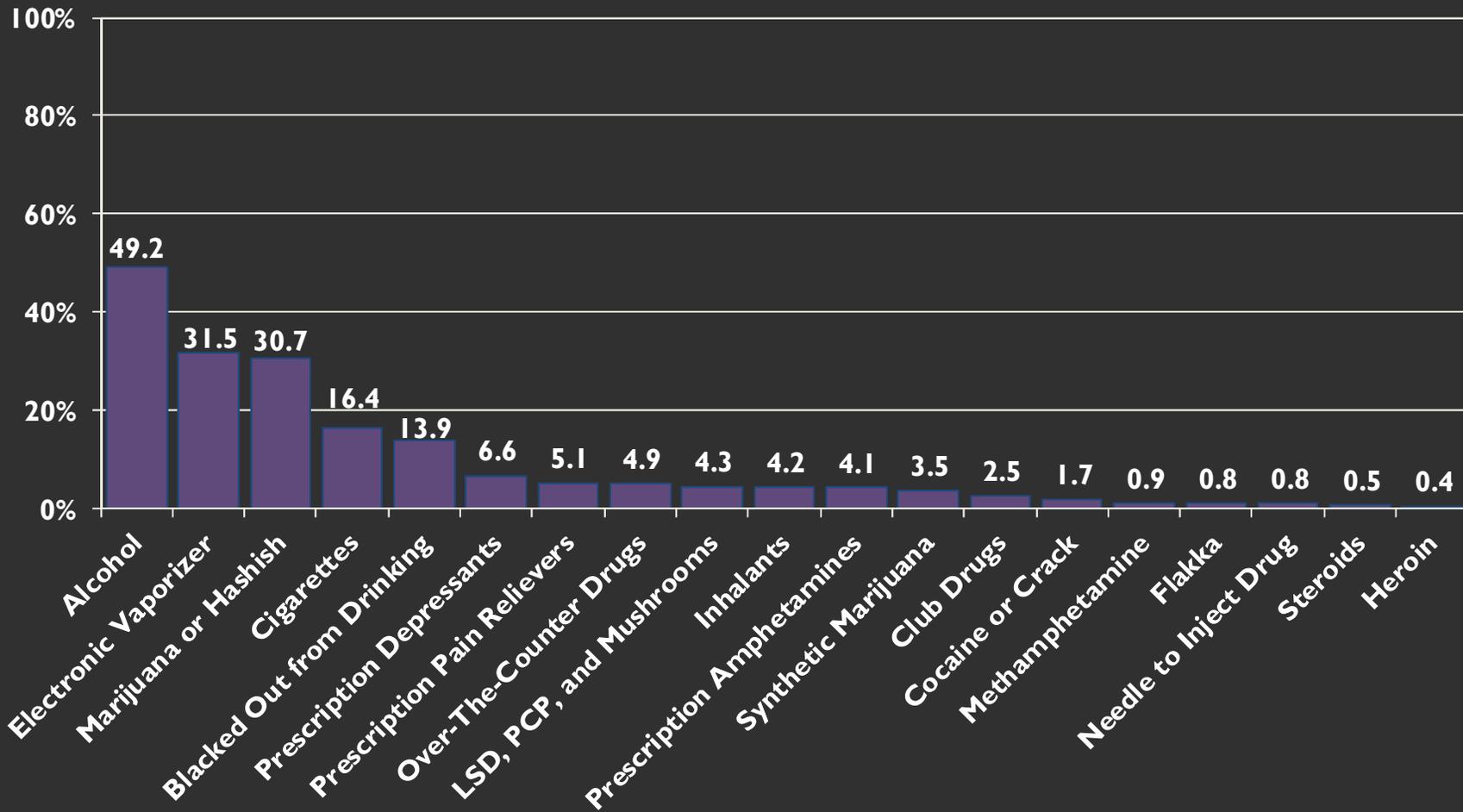 → *Indicates percentage of students who are current users*

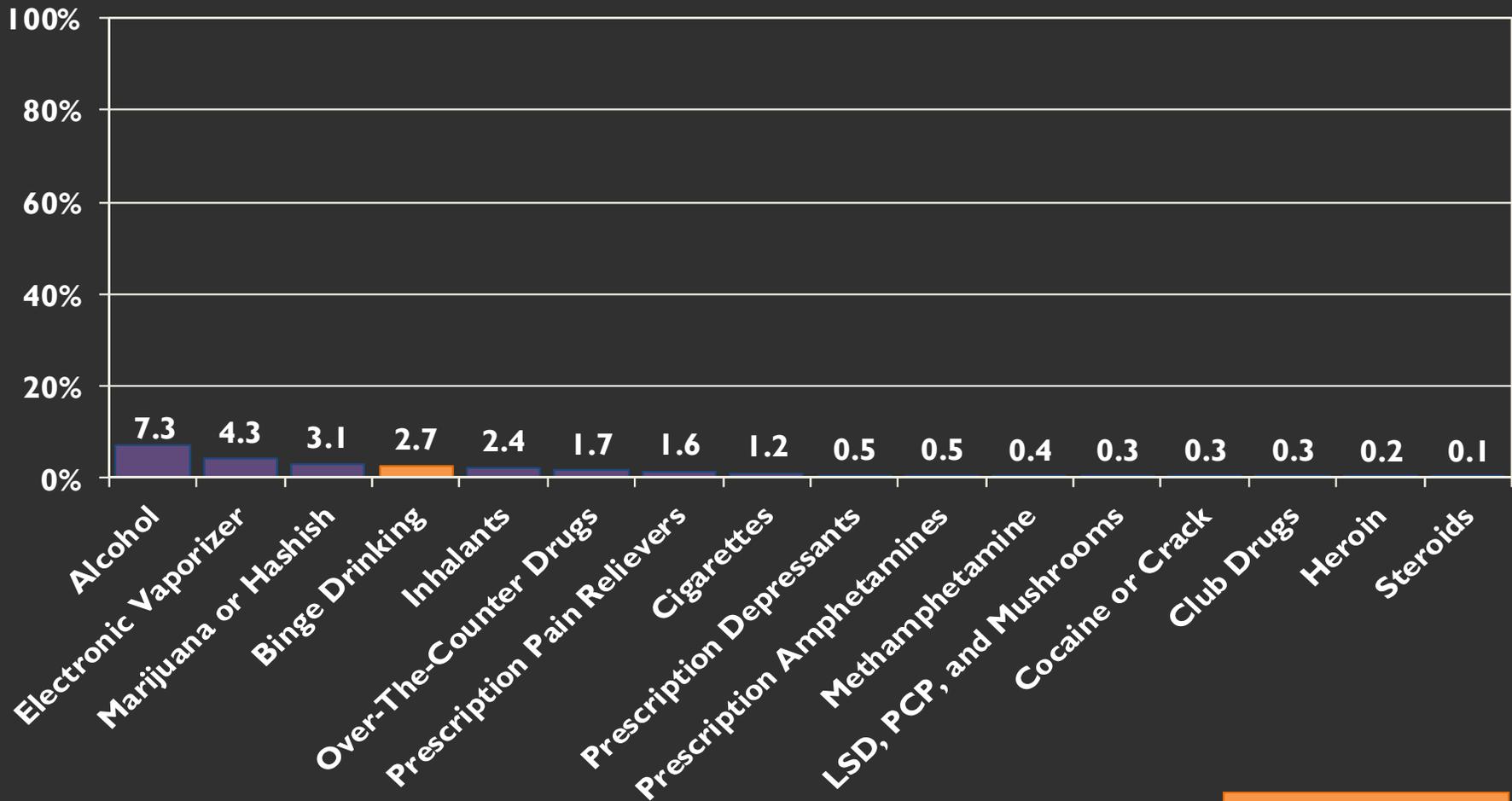# Lifetime Prevalence
Middle School
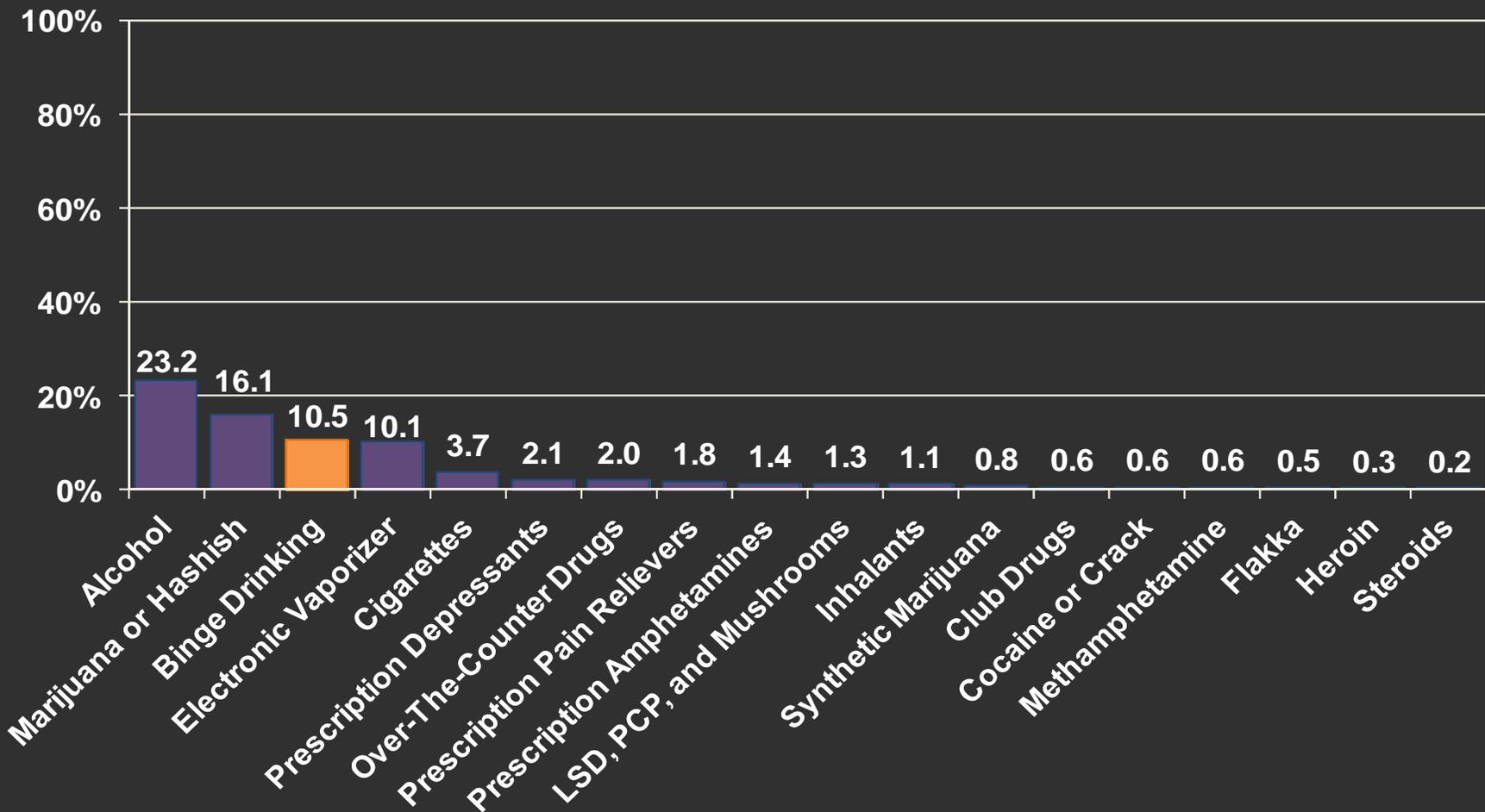
Lifetime Prevalence
High School

Substance	%
Alcohol	49.2
Electronic Vaporizer	31.5
Marijuana or Hashish	30.7
Cigarettes	16.4
Blacked Out from Drinking	13.9
Prescription Depressants	6.6
Prescription Pain Relievers	5.1
Over-The-Counter Drugs	4.9
LSD, PCP, and Mushrooms	4.3
Inhalants	4.2
Prescription Amphetamines	4.1
Synthetic Marijuana	3.5
Club Drugs	2.5
Cocaine or Crack	1.7
Methamphetamine	0.9
Flakka	0.8
Needle to Inject Drug	0.8
Steroids	0.5
Heroin	0.4

Past-30-Day Prevalence
Middle School

Substance	Prevalence
Alcohol	7.3
Electronic Vaporizer	4.3
Marijuana or Hashish	3.1
Binge Drinking	2.7
Inhalants	2.4
Over-The-Counter Drugs	1.7
Prescription Pain Relievers	1.6
Cigarettes	1.2
Prescription Depressants	0.5
Prescription Amphetamines	0.5
Methamphetamine	0.4
LSD, PCP, and Mushrooms	0.3
Cocaine or Crack	0.3
Club Drugs	0.3
Heroin	0.2
Steroids	0.1

Past Two Weeks

8

Past-30-Day Prevalence
High School

Category	Value
Alcohol	23.2
Marijuana or Hashish	16.1
Binge Drinking	10.5
Electronic Vaporizer	10.1
Cigarettes	3.7
Prescription Depressants	2.1
Over-The-Counter Drugs	2.0
Prescription Pain Relievers	1.8
Prescription Amphetamines	1.4
LSD, PCP, and Mushrooms	1.3
Inhalants	1.1
Synthetic Marijuana	0.8
Club Drugs	0.6
Cocaine or Crack	0.6
Methamphetamine	0.6
Flakka	0.5
Heroin	0.3
Steroids	0.2

Past Two Weeks

ATODs and Driving
Past-30-Day Prevalence Among High School Students

Bar chart showing past-30-day prevalence. Riding with a DUI Driver: Alcohol 15.5, Marijuana 22.6. Driving Under the Influence: Alcohol 4.5, Marijuana 9.4.

Legend: ■ Alcohol ■ Marijuana
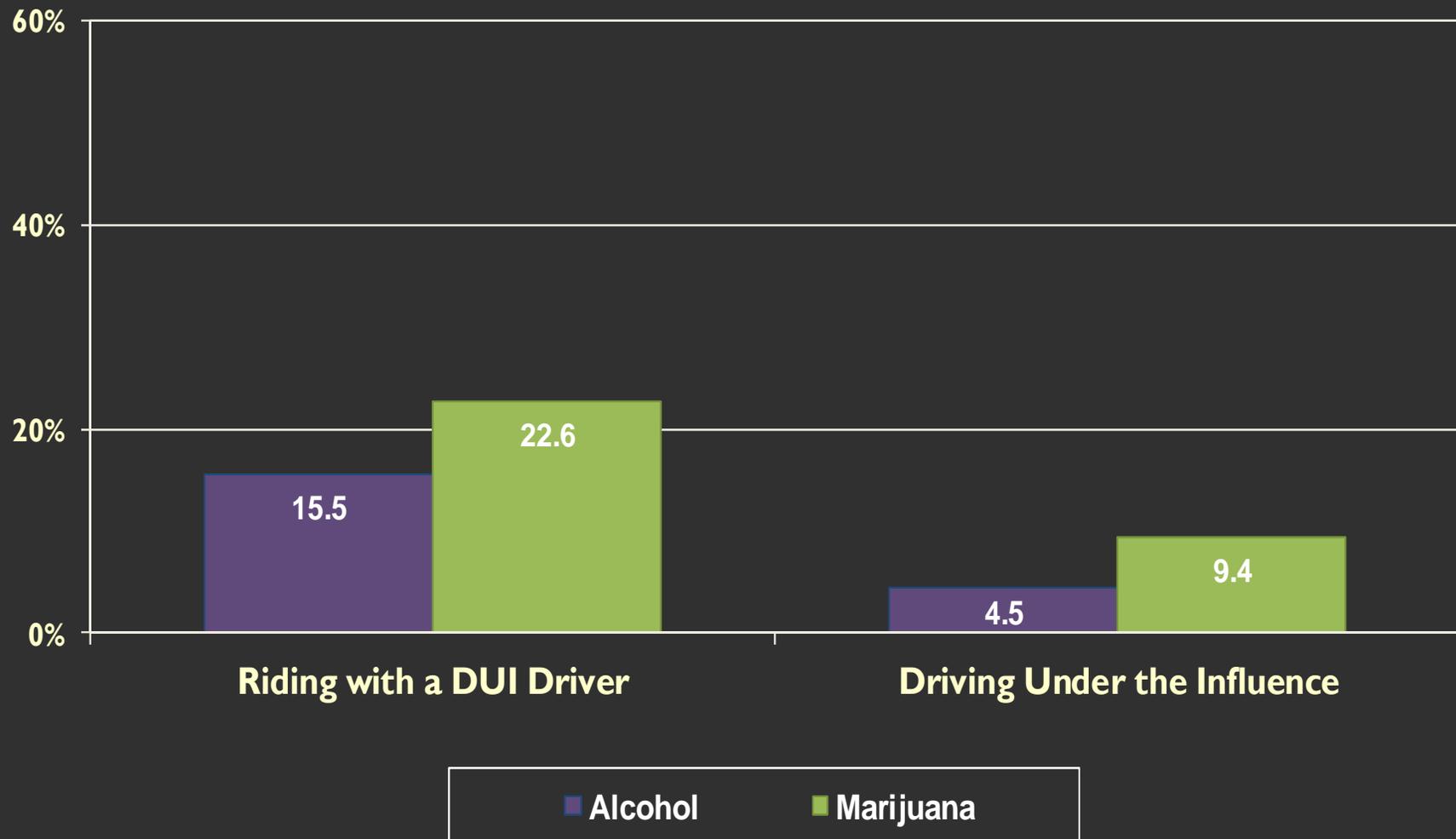
Key Finding #1

- The long-term reductions in <u>alcohol</u> use and <u>cigarette</u> use continue

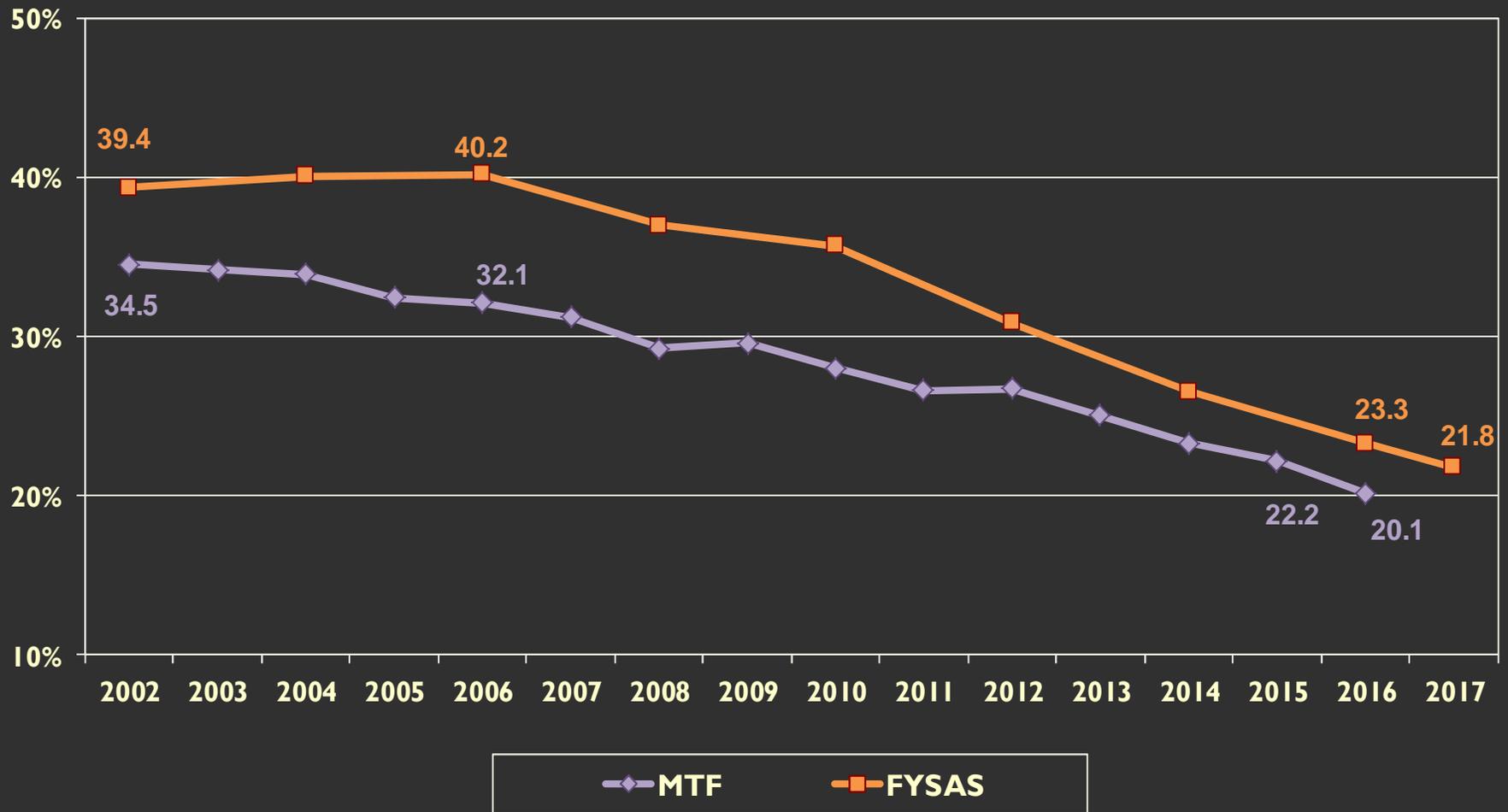- Higher-risk alcohol use also down

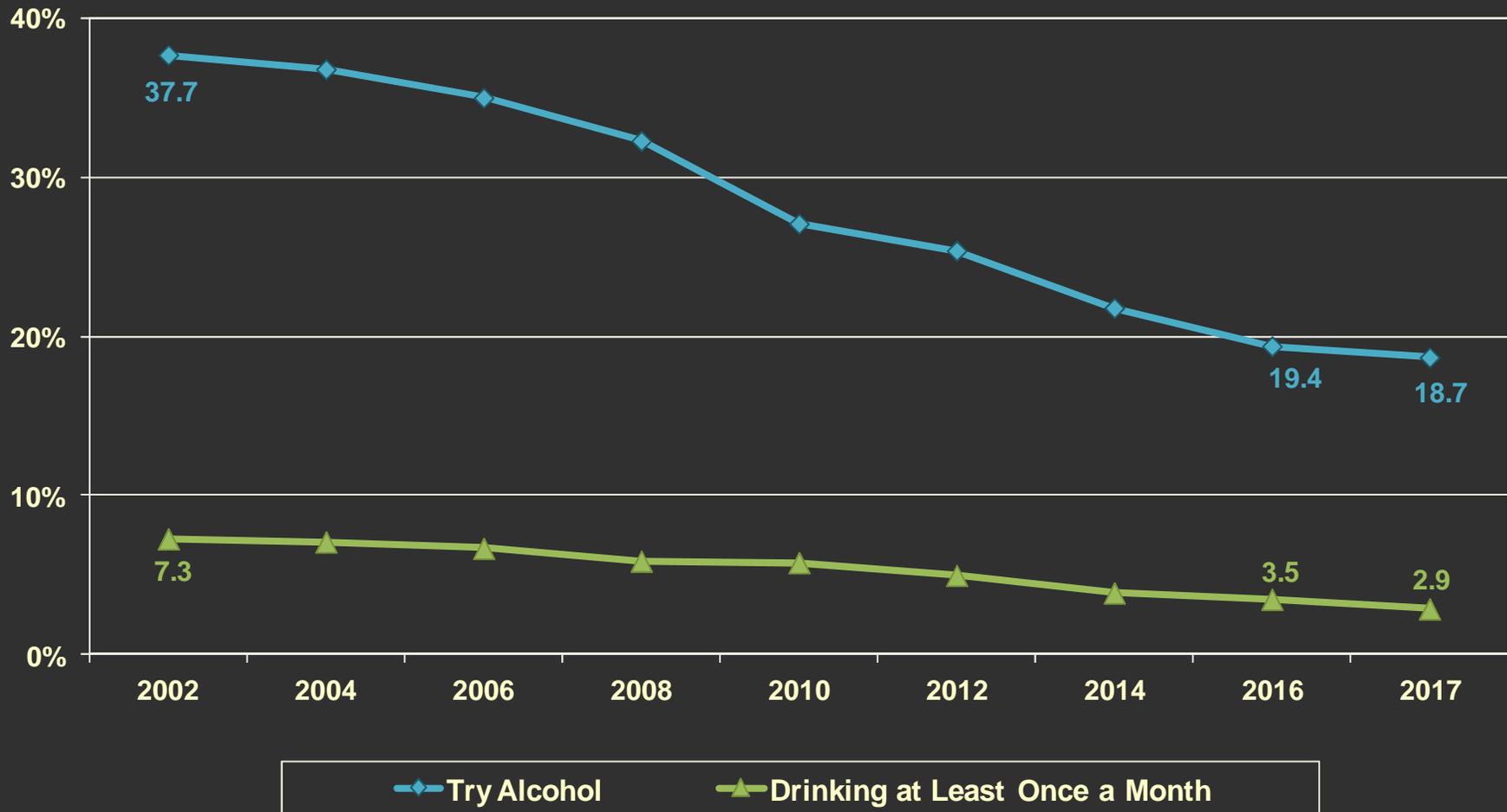- Early initiation continues to decline

Alcohol
Past-30-Day Prevalence by Grade Cohort

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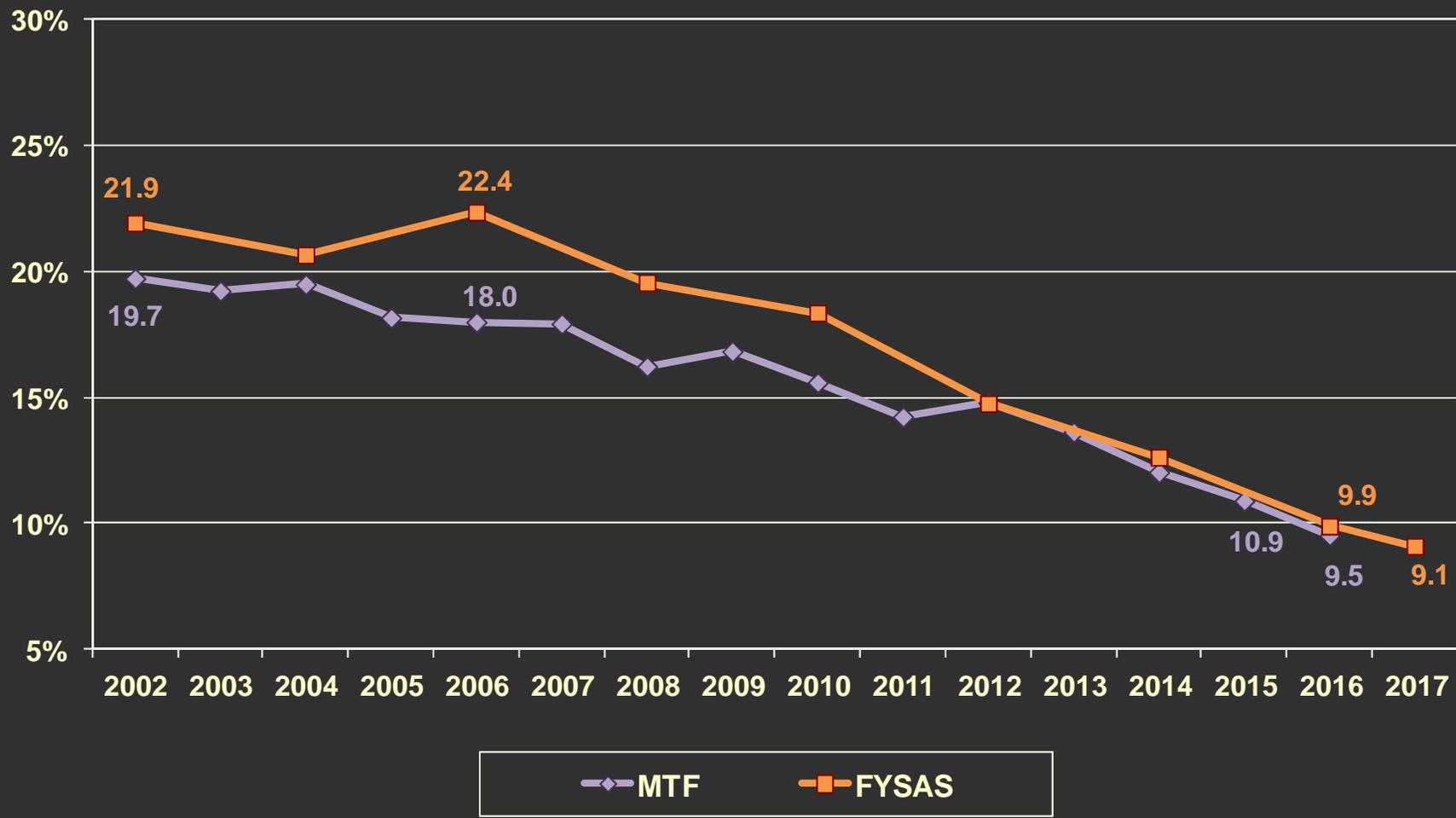

13
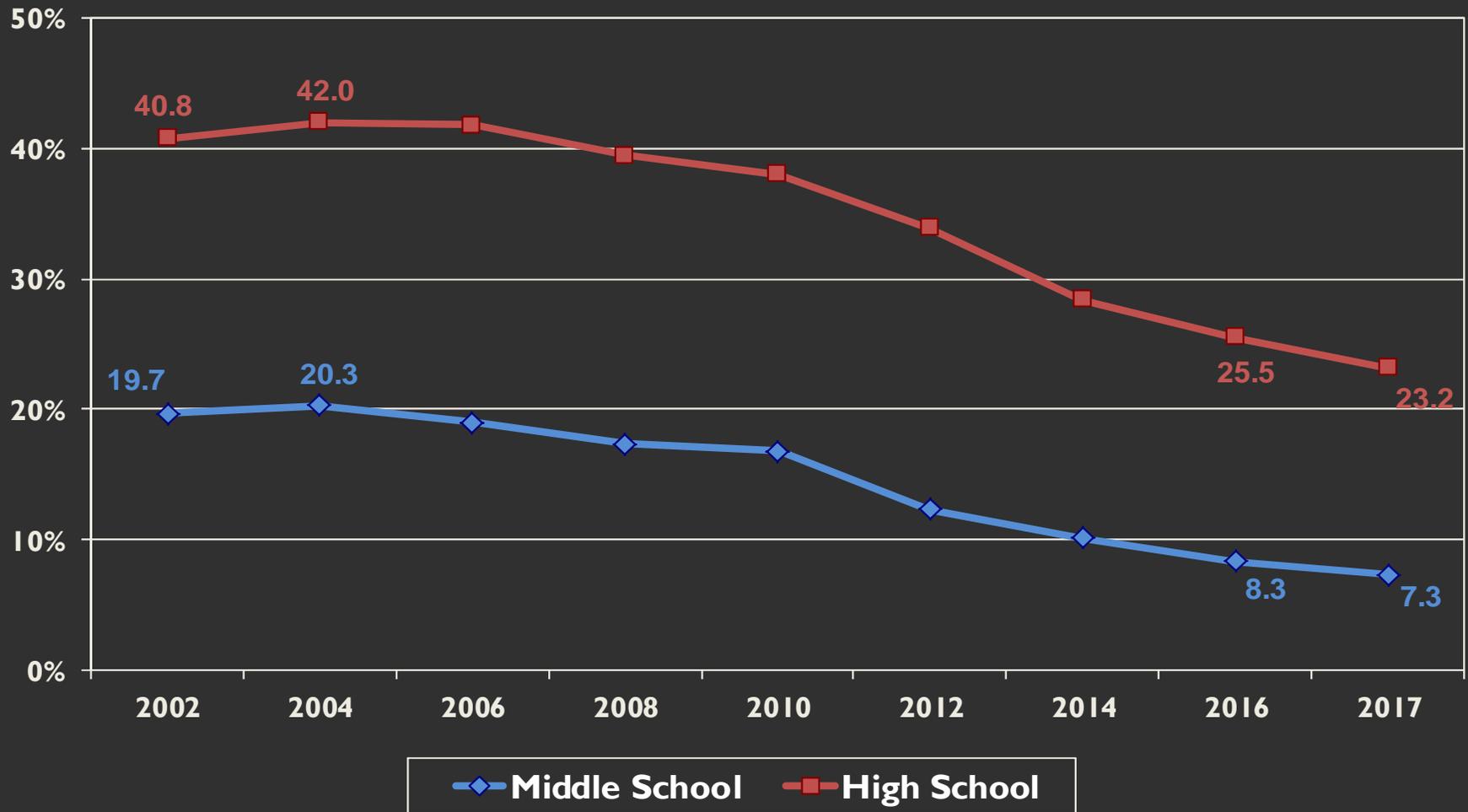
Early Alcohol Use
Initiation by Age 13—High School

37.7

19.4

18.7

7.3

3.5

2.9

2002 2004 2006 2008 2010 2012 2014 2016 2017

40%

30%

20%

10%

0%

Try Alcohol   Drinking at Least Once a Month

14

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

Chart showing Binge Drinking prevalence percentages from 2002 to 2017 for MTF and FYSAS.

- FYSAS: 21.9 (2002), 22.4 (2006), 9.9 (2016), 9.1 (2017)
- MTF: 19.7 (2002), 18.0 (2006), 10.9 (2015), 9.5 (2016)

Legend: MTF, FYSAS

16
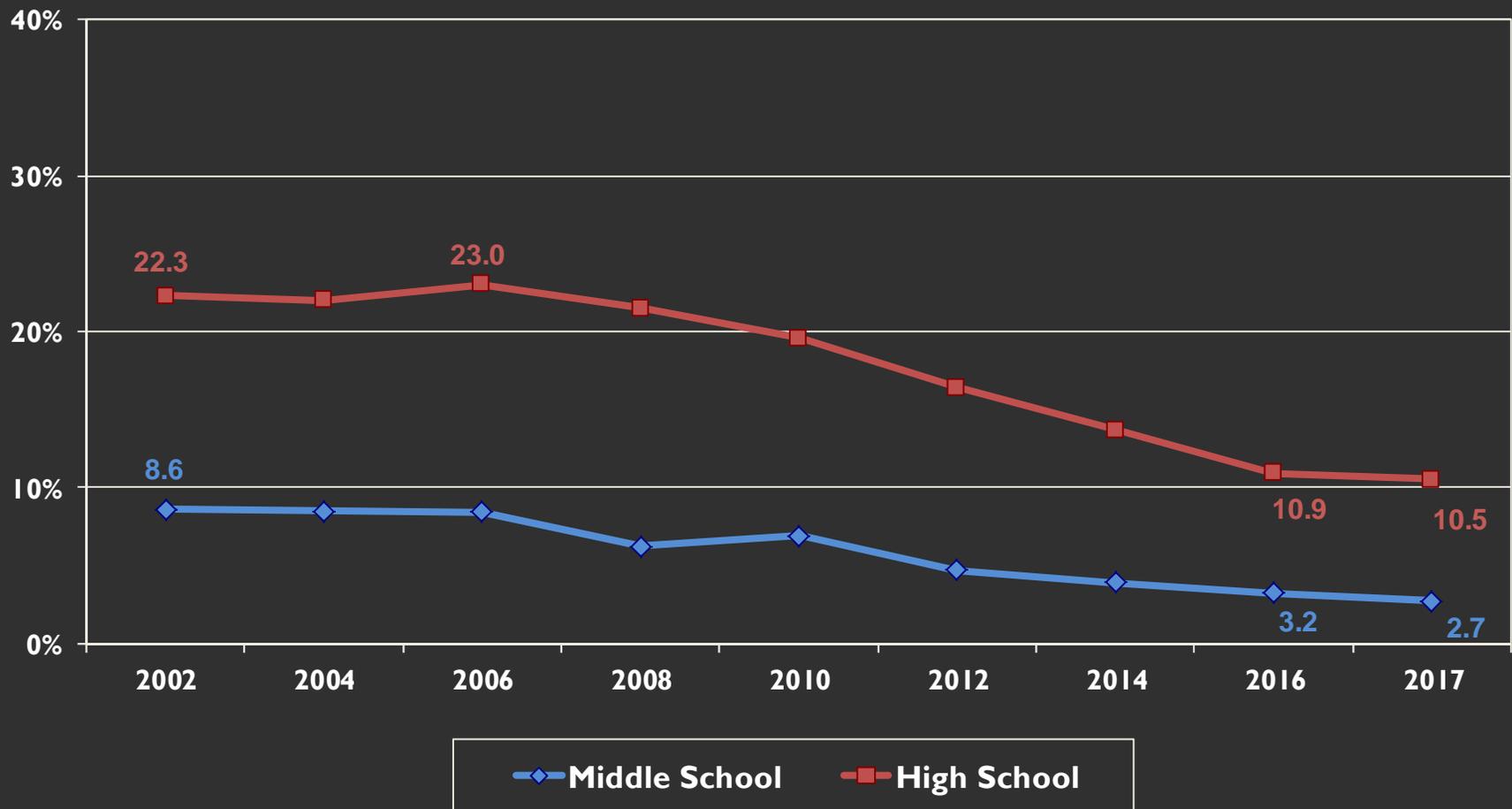
Blacking Out from Drinking
Lifetime Prevalence Among High School Students
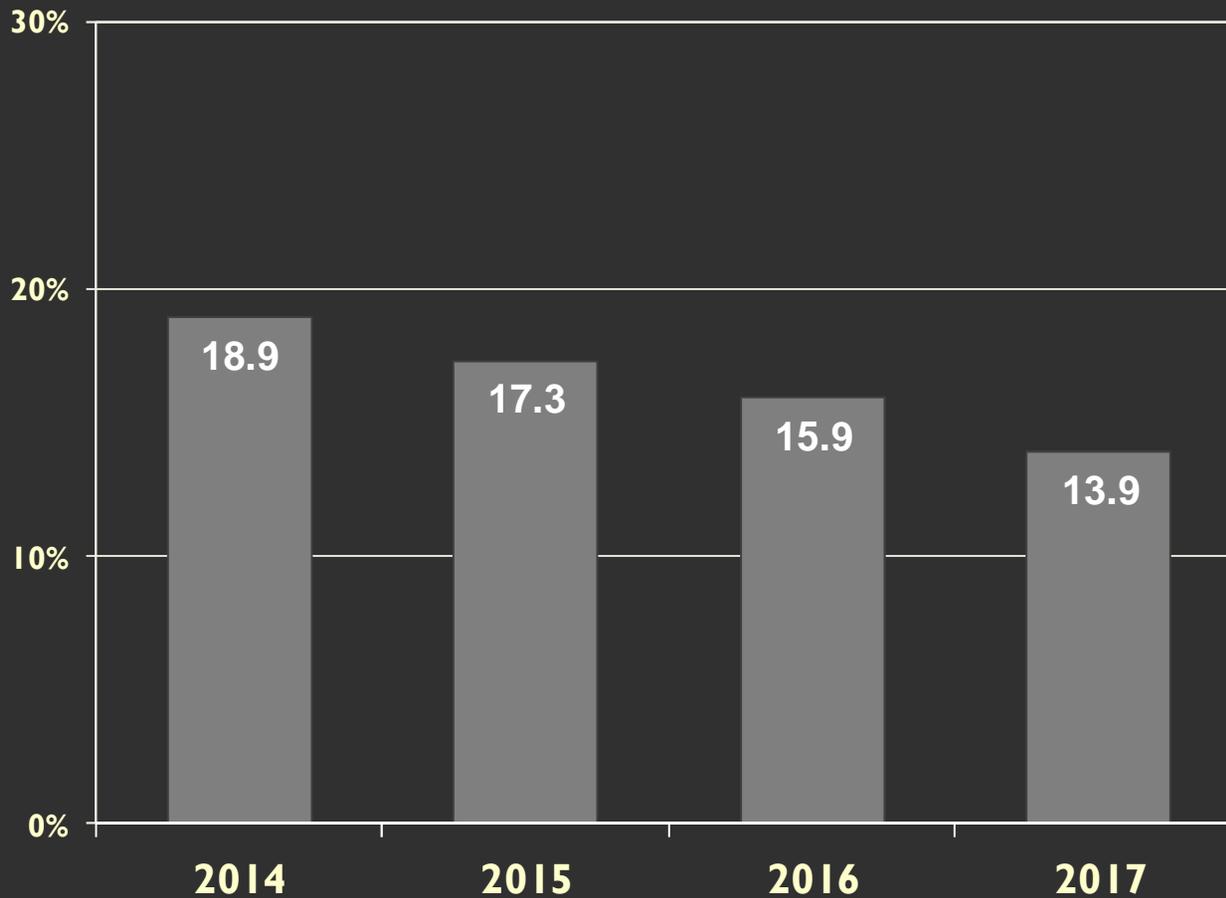
On how many occasions (if any) in your lifetime have you woken up after a night of drinking alcoholic beverages and not been able to remember the things that you did or places that you went?
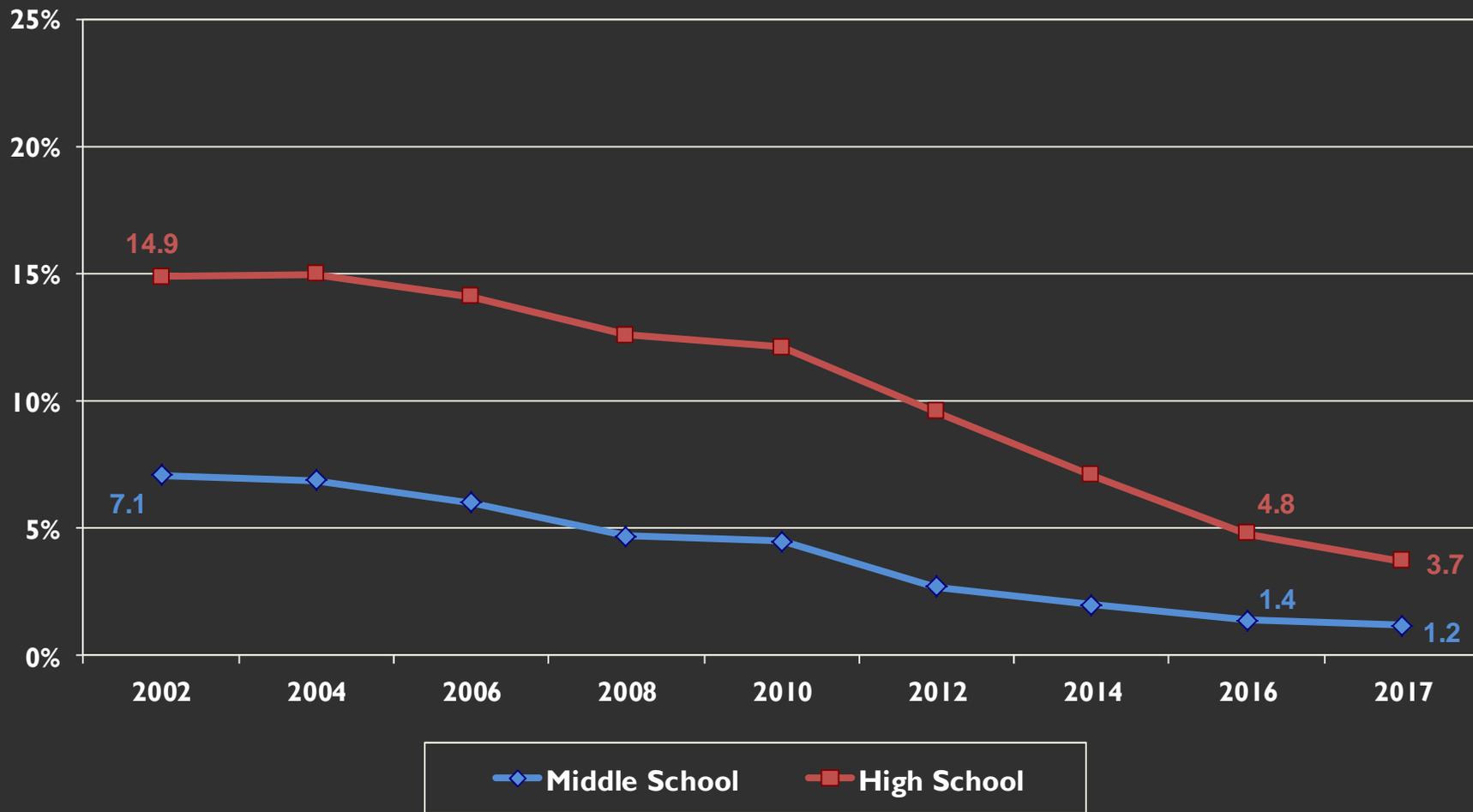
Year	Percentage
2014	18.9
2015	17.3
2016	15.9
2017	13.9

Alcohol and Driving Trends
Past-30-Day Prevalence Among High School Students
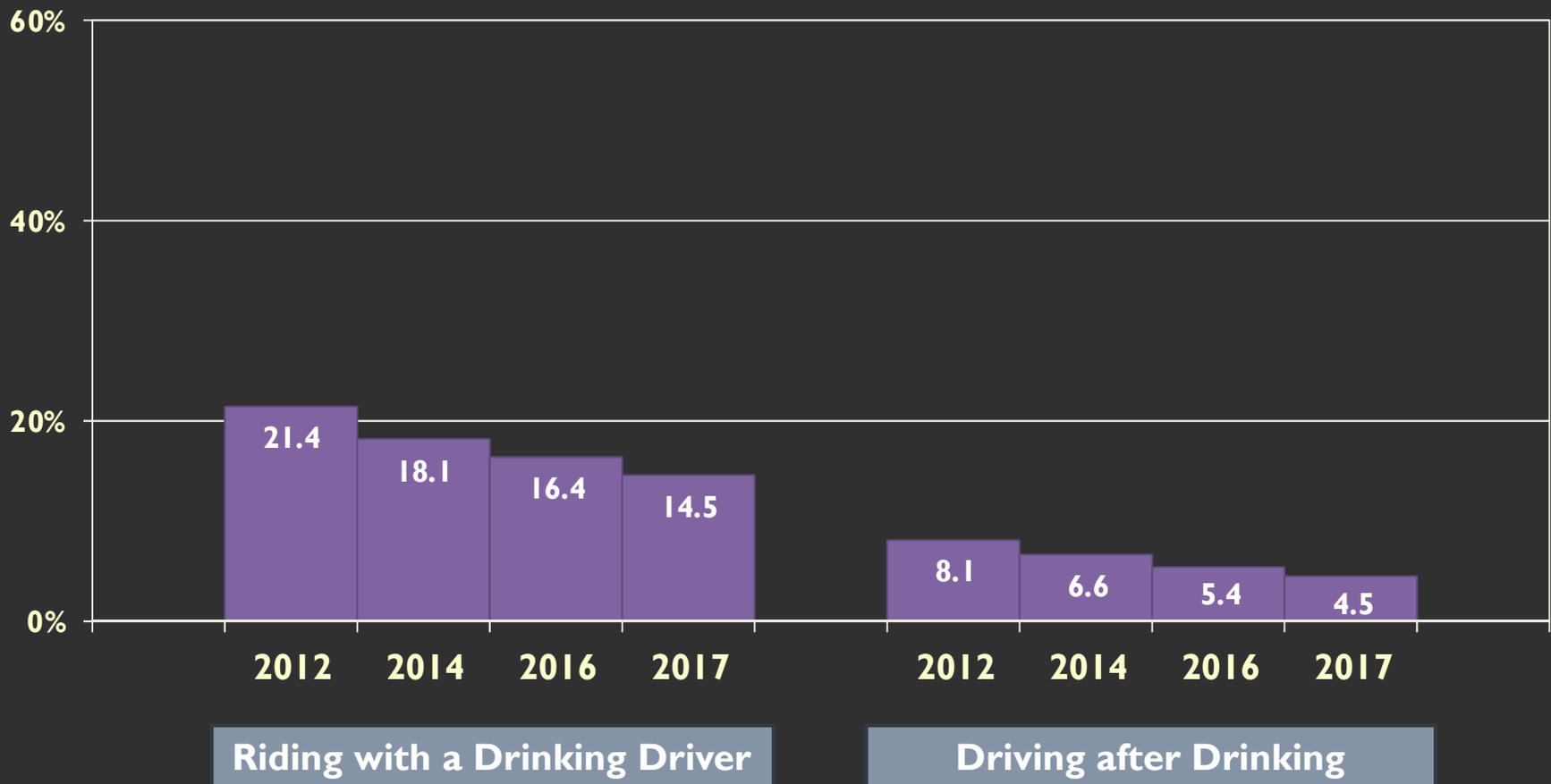
18

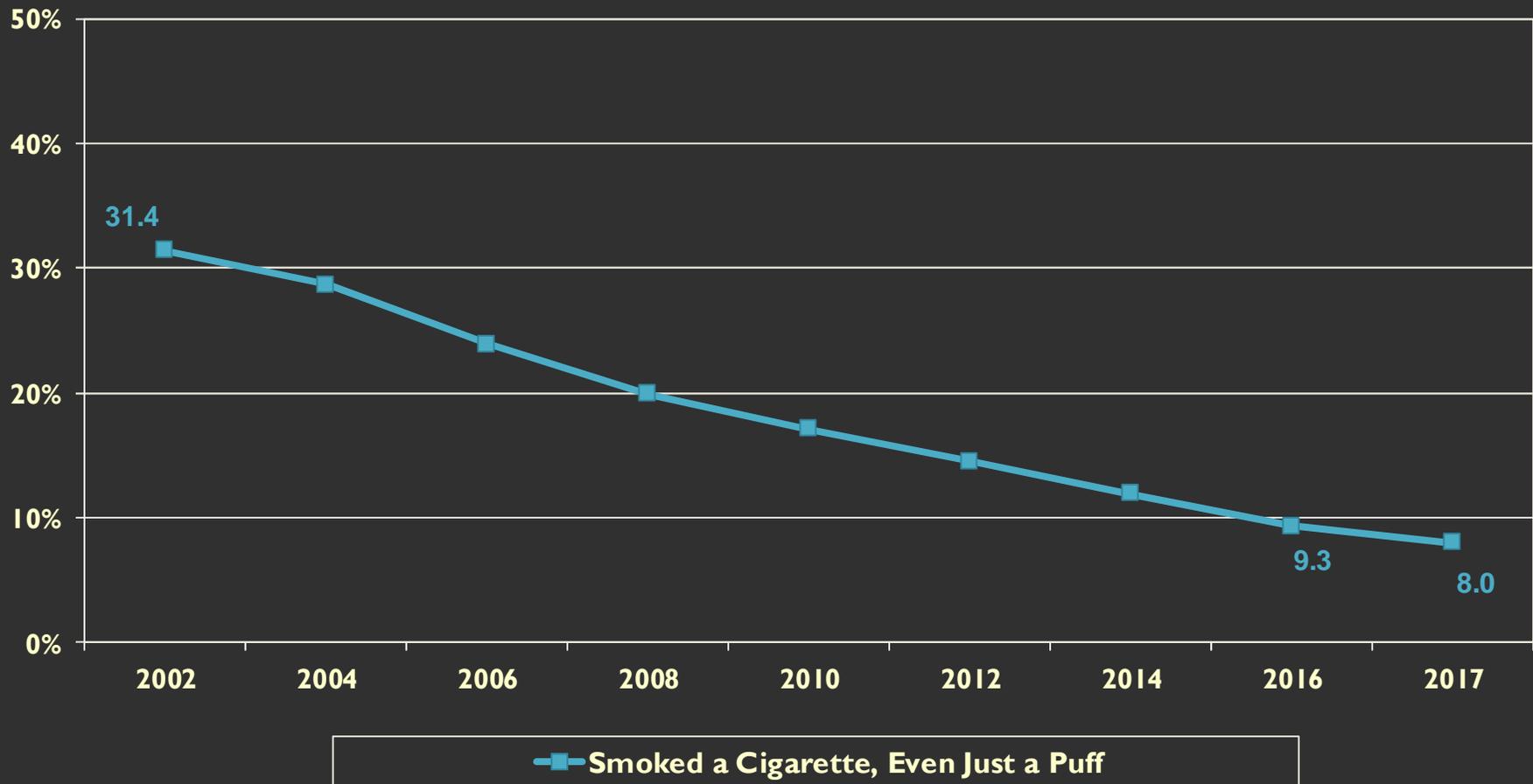# Cigarettes
Past-30-Day Prevalence by Grade Cohort

19

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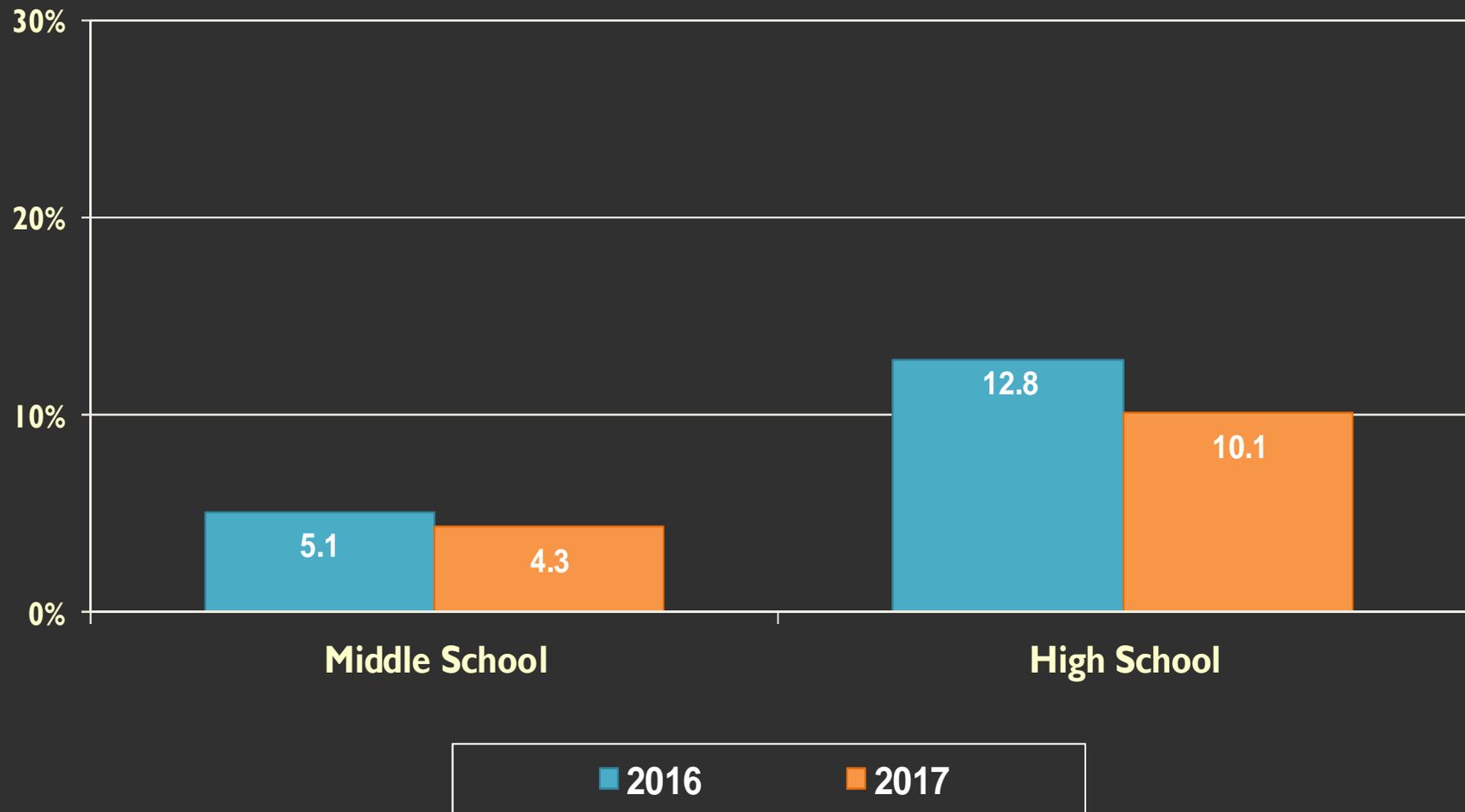## Past-30-Day Prevalence for 8th, 10th and 12th Graders

MTF data points: 18.4 (2002), ... 7.1 (2015), 6.0 (2016)
FYSAS data points: 14.7 (2002), ... 4.6 (2016), 3.4 (2017)

Legend: MTF, FYSAS

20
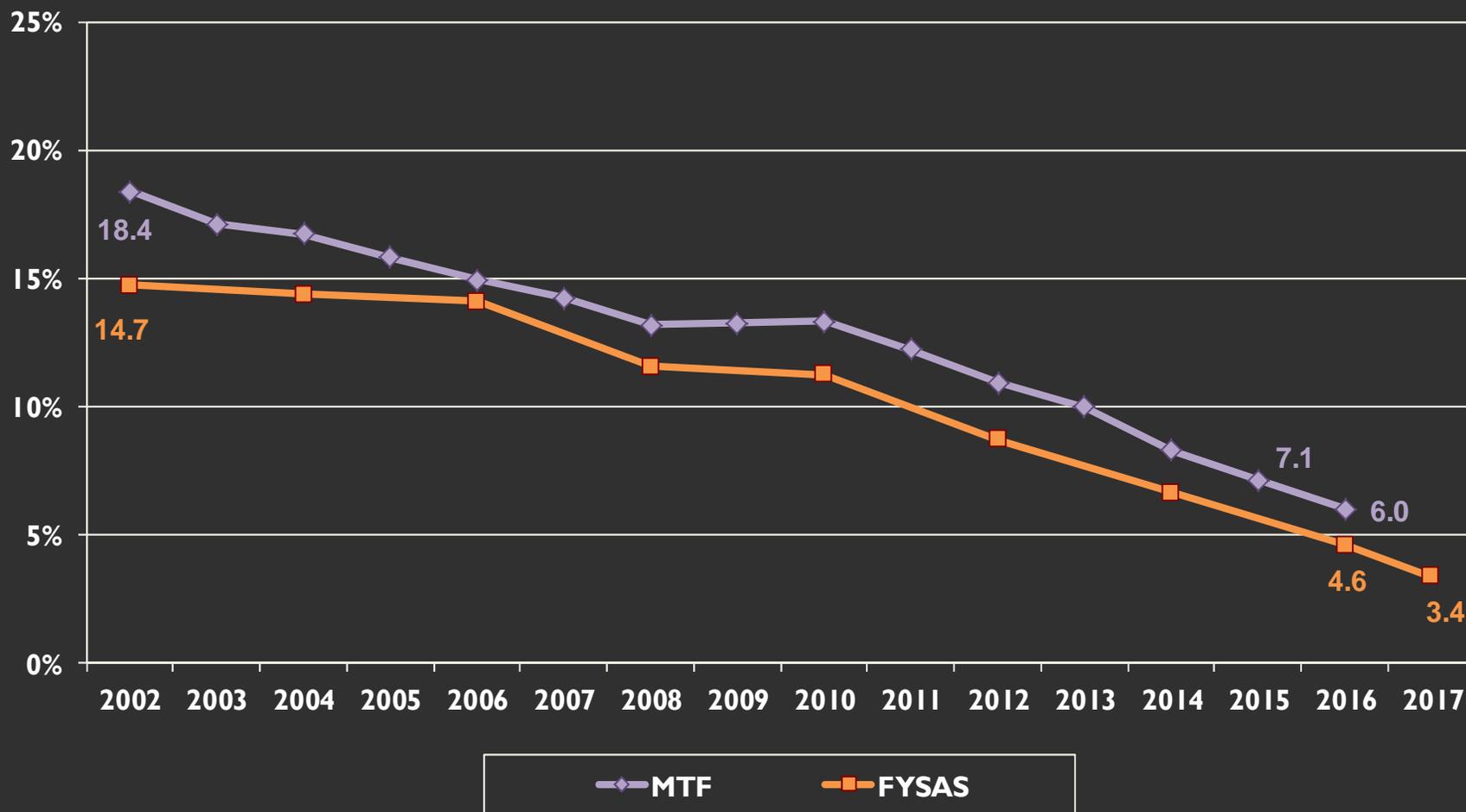
Early Cigarette Use
Initiation by Age 13—High School

31.4

9.3

8.0

50%

40%

30%

20%

10%

0%

2002   2004   2006   2008   2010   2012   2014   2016   2017

Smoked a Cigarette, Even Just a Puff

21

Electronic Vaporizers
Past-30-Day Prevalence

30%

20%

10%

0%

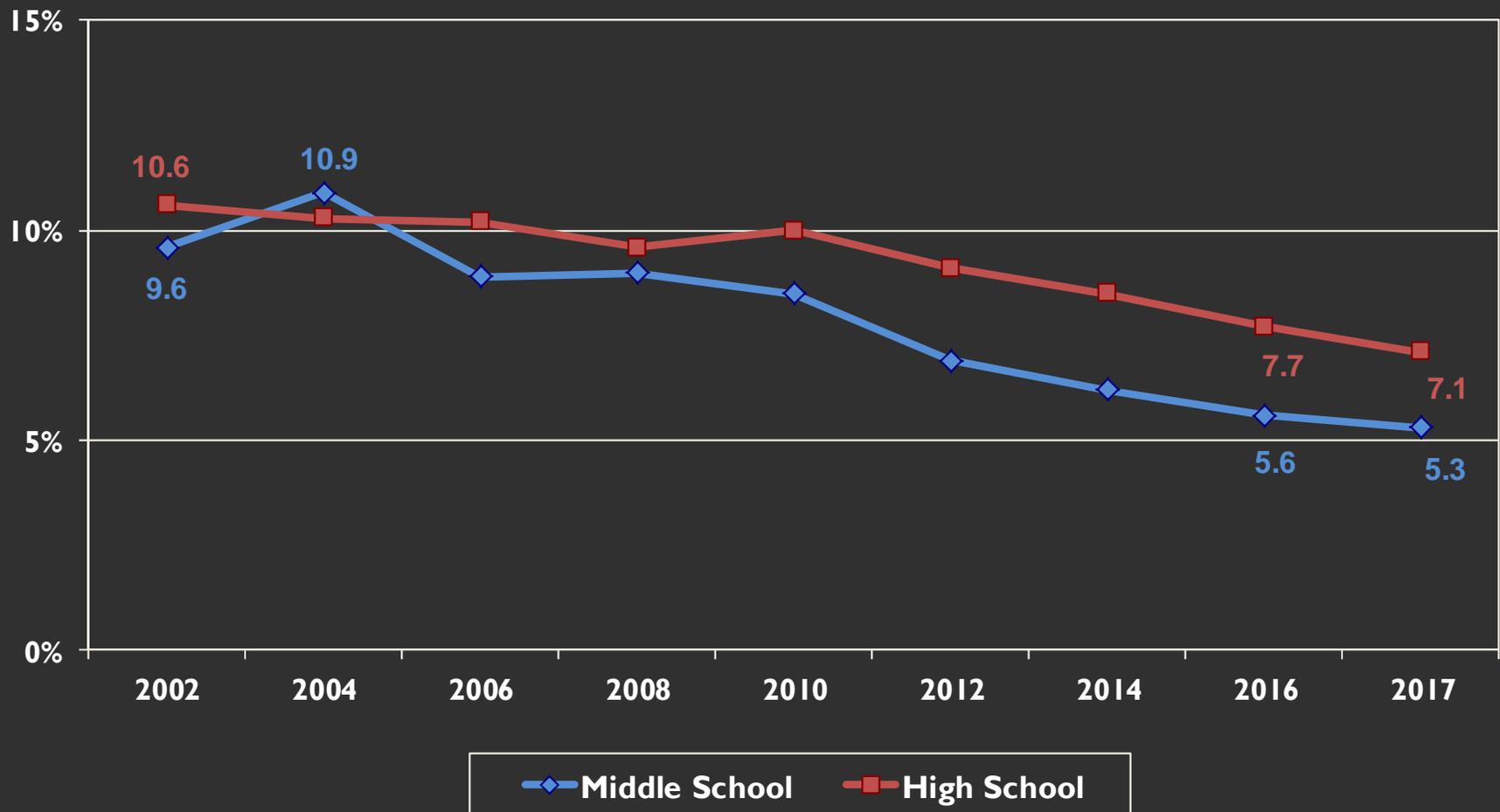Middle School   High School

5.1   4.3   12.8   10.1

■ 2016   ■ 2017

Key Finding #2

- All <u>illicit drugs</u> (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

23

Use of Any Illicit Drug (Other than Marijuana)
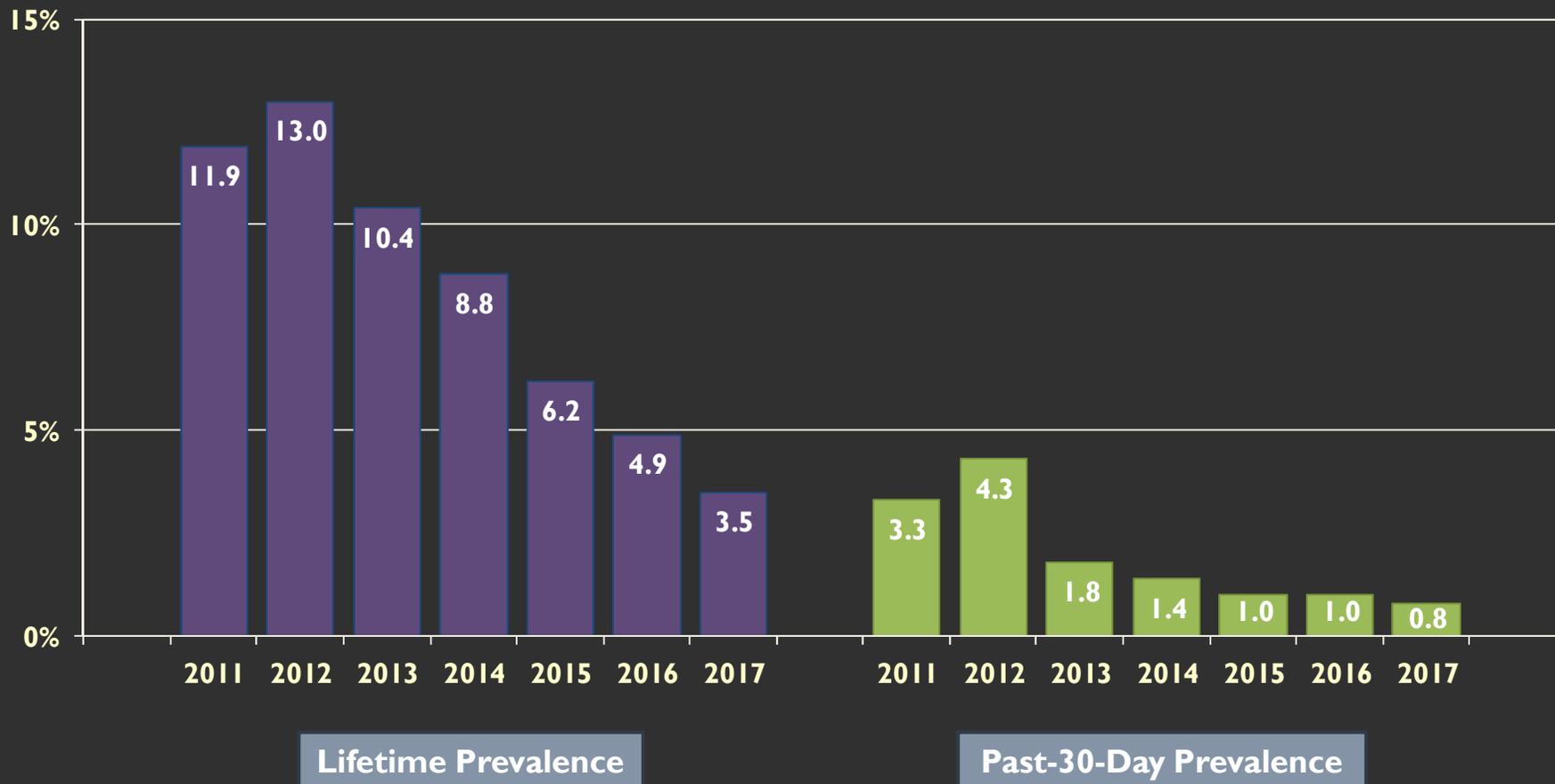## Past-30-Day Prevalence by Grade Cohort

Any Prescription Drug
Past-30-Day Prevalence by Grade Cohort

25
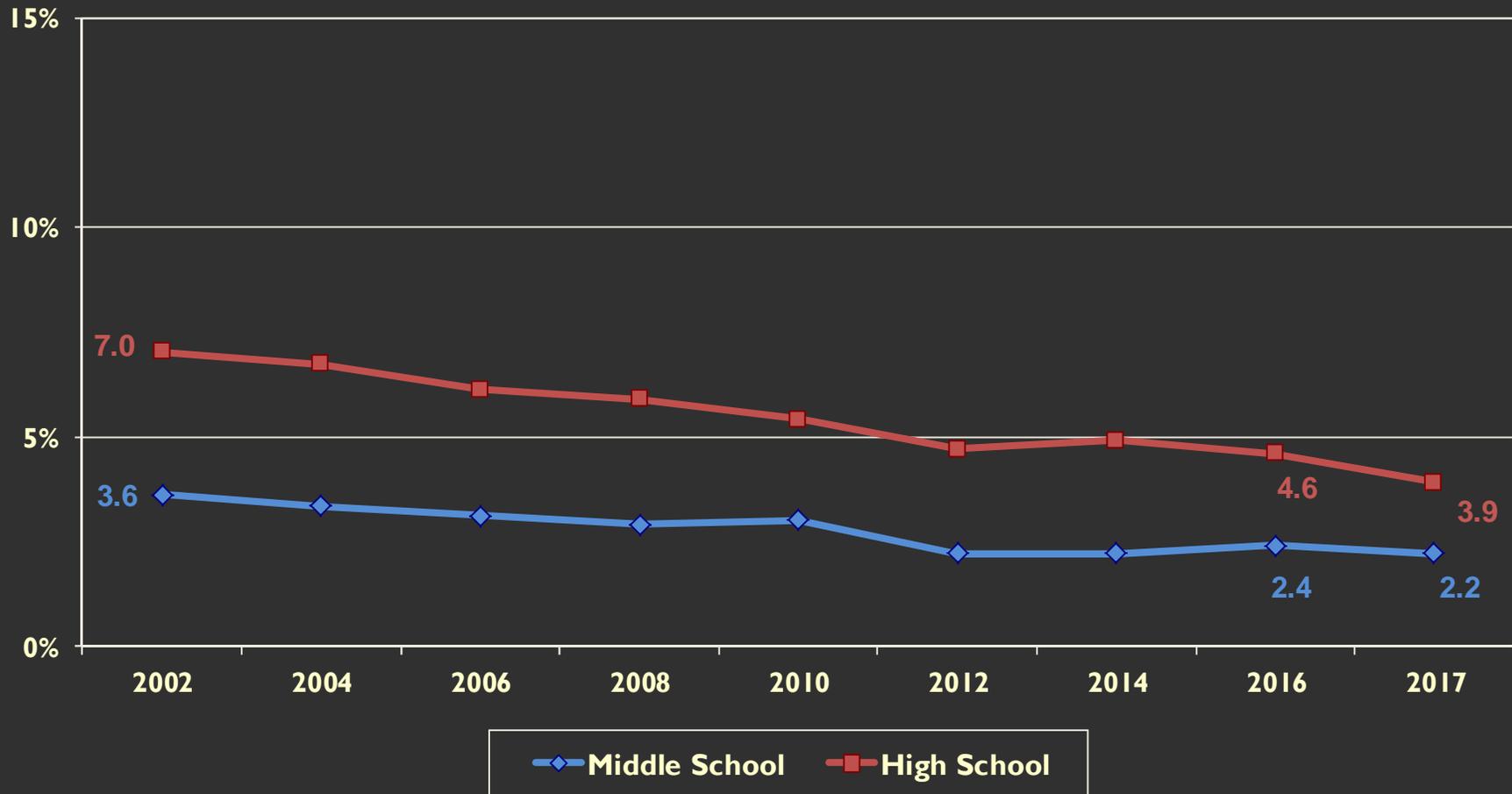
Synthetic Marijuana
Lifetime and Past-30-Day Prevalence among High School Students

Lifetime Prevalence

2011	2012	2013	2014	2015	2016	2017
11.9	13.0	10.4	8.8	6.2	4.9	3.5

Past-30-Day Prevalence

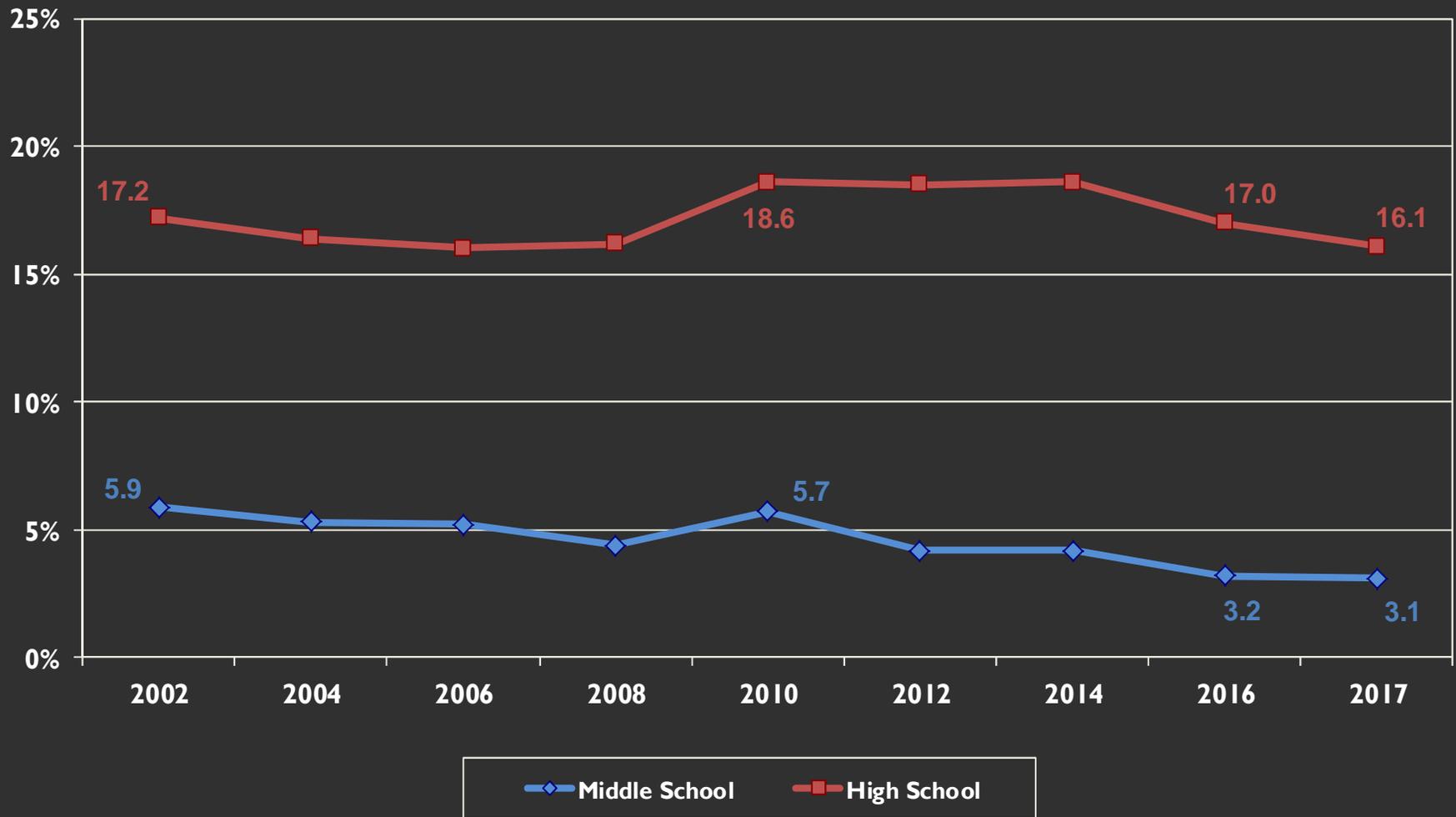| 2011	2012	2013	2014	2015	2016	2017
3.3	4.3	1.8	1.4	1.0	1.0	0.8

Key Finding #3

- Modest short-term reductions in <u>marijuana</u> use, particularly among high school students

- Unlike other ATODs, long-term pattern is mixed

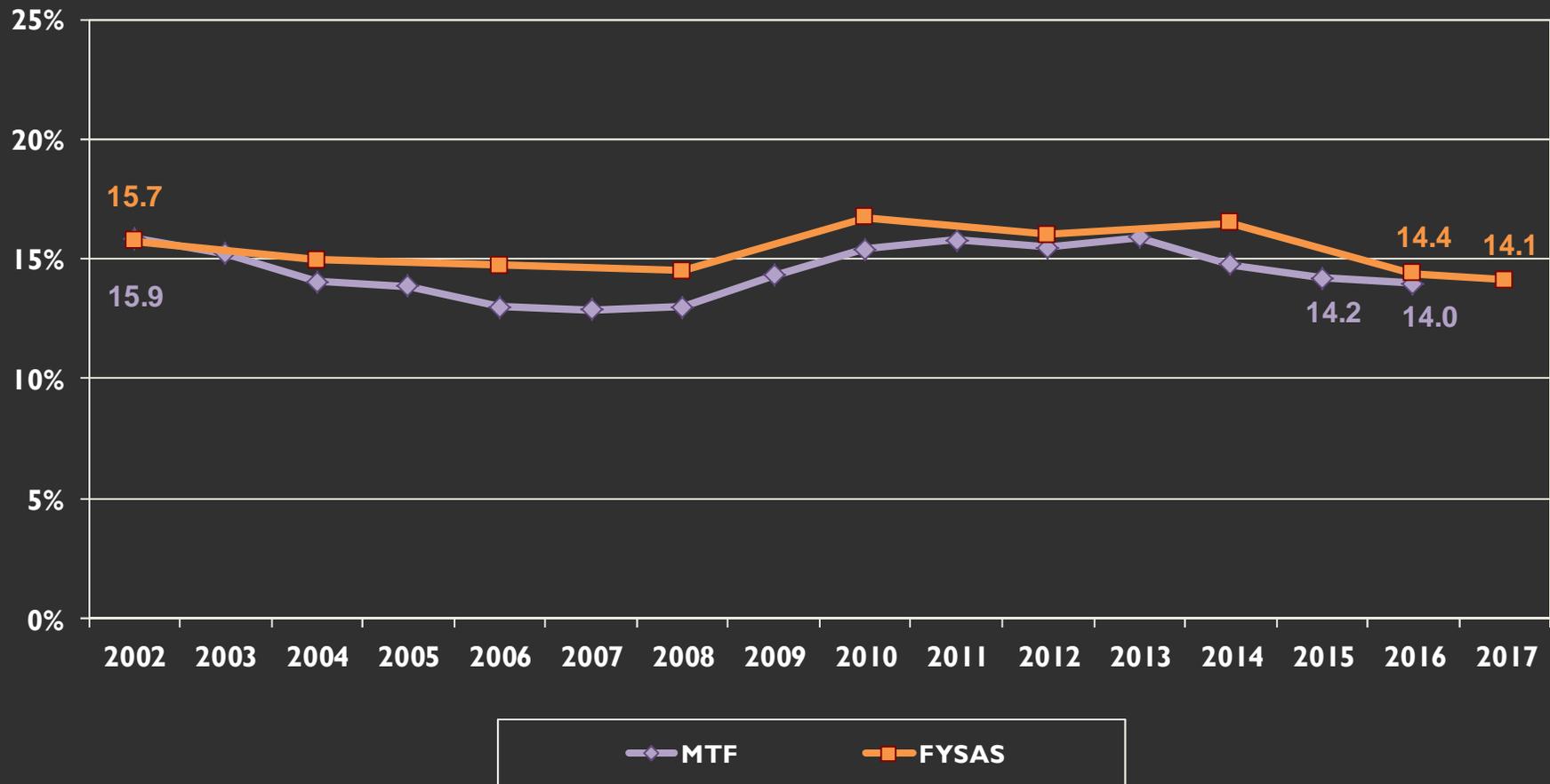- Attitudes toward marijuana use are different than other ATODs
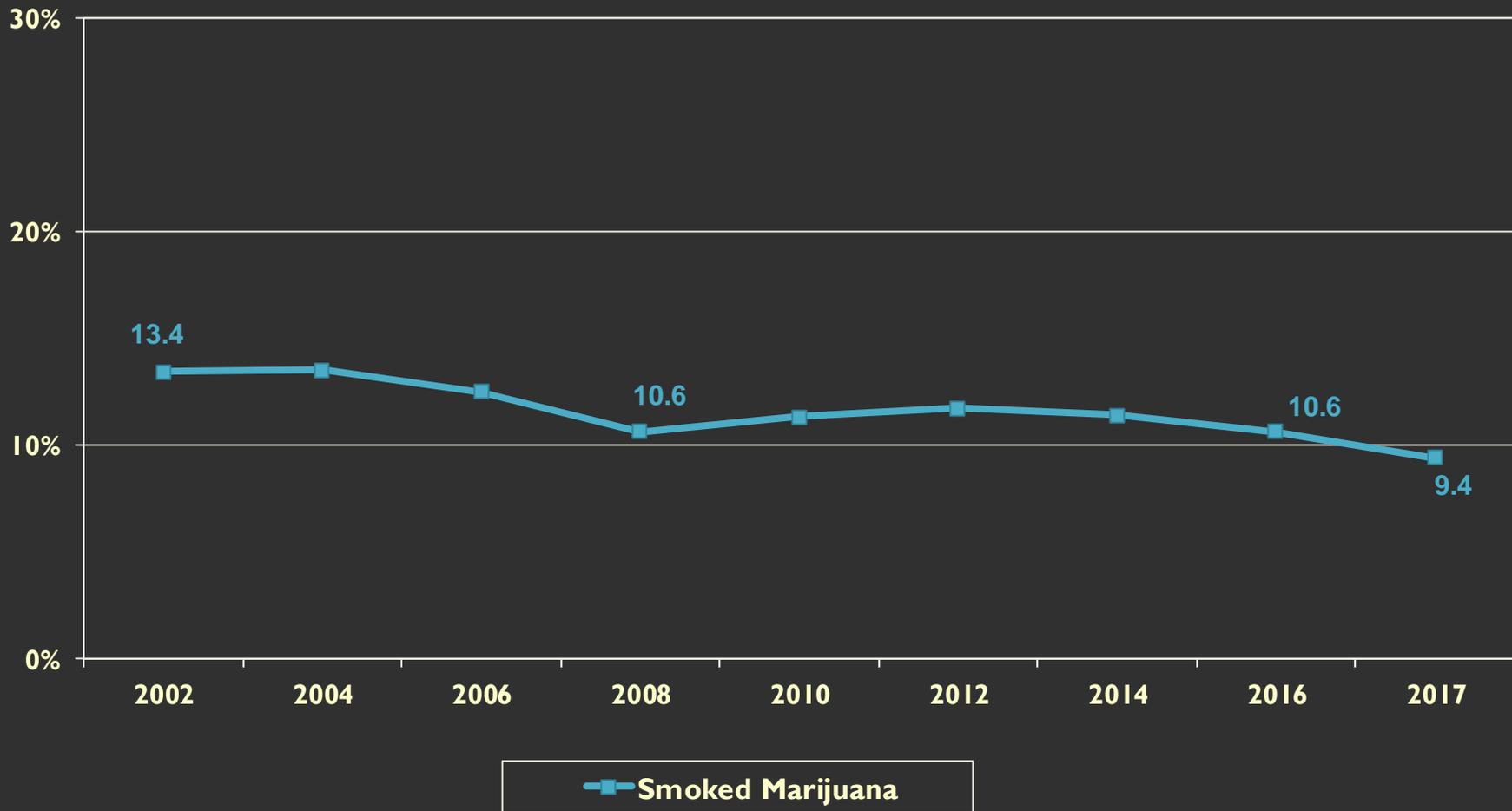
27

Marijuana
Past-30-Day Prevalence by Grade Cohort

Chart showing Past-30-Day Prevalence by Grade Cohort for Middle School and High School, years 2002–2017.

High School: 17.2 (2002), 18.6 (2010), 17.0 (2016), 16.1 (2017)

Middle School: 5.9 (2002), 5.7 (2010), 3.2 (2016), 3.1 (2017)

Legend: Middle School, High School

28

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

29

Early Marijuana Use
Initiation by Age 13—High School

30

Risk of Harm
Percentage Reporting "Great Risk"

Alcohol: 38.5, 42.8, 46.7
Cigarettes: 63.7, 68.4, 67.7
Try Marijuana: 30.0, 32.5, 24.9, 24.6

Years: 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2017

Legend: Alcohol, Cigarettes, Try Marijuana

31
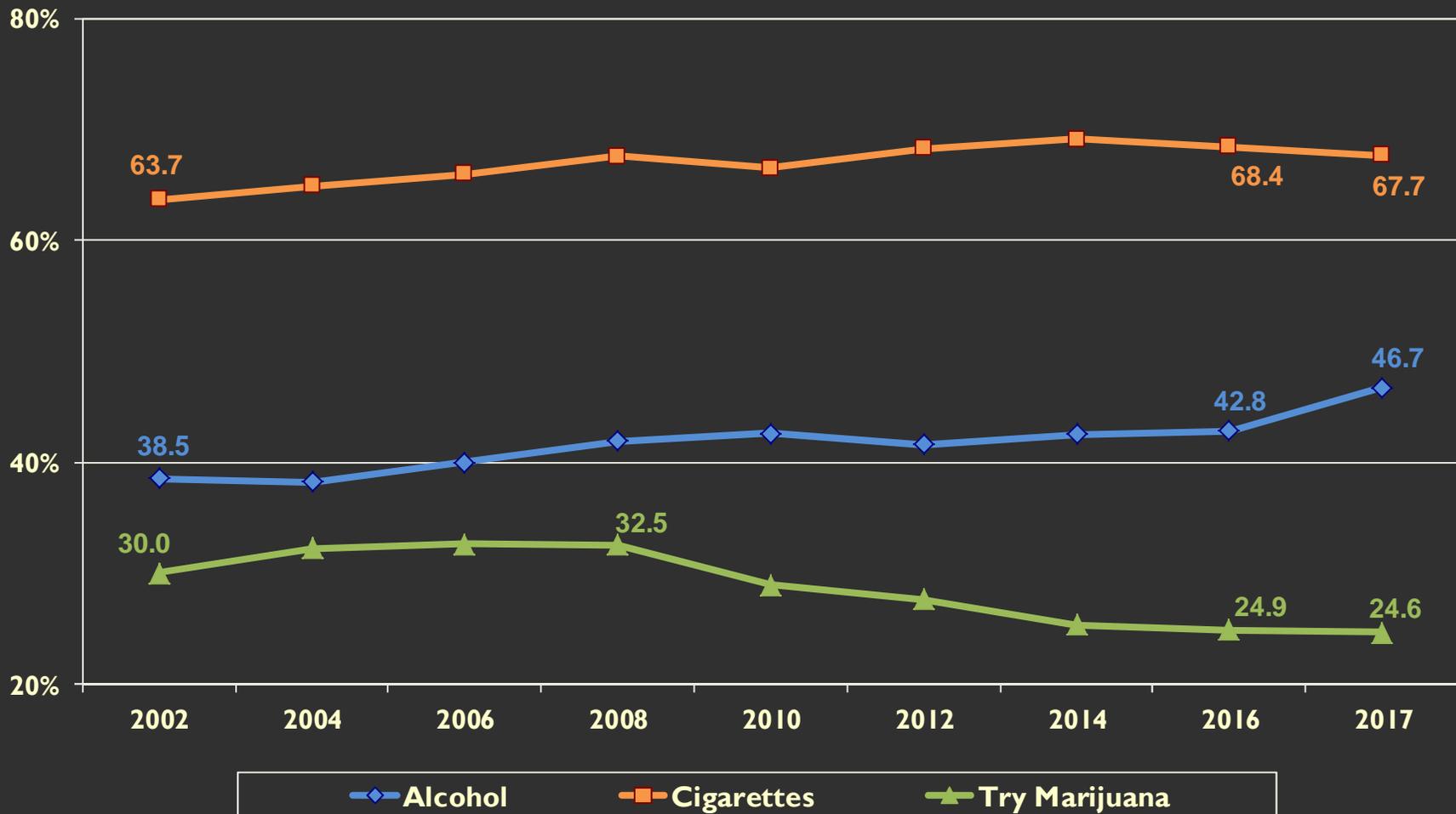
Disapproval of ATOD Use
"Wrong" or "Very Wrong"

Cigarettes: 77.9 (2002), 91.0 (2016), 91.6 (2017)
Alcohol: 66.4 (2002), 62.8 (2004), 74.7 (2016), 74.5 (2017)
Marijuana: 79.9 (2002), 73.8 (2016), 73.1 (2017)

Legend: Cigarettes, Alcohol, Marijuana

32
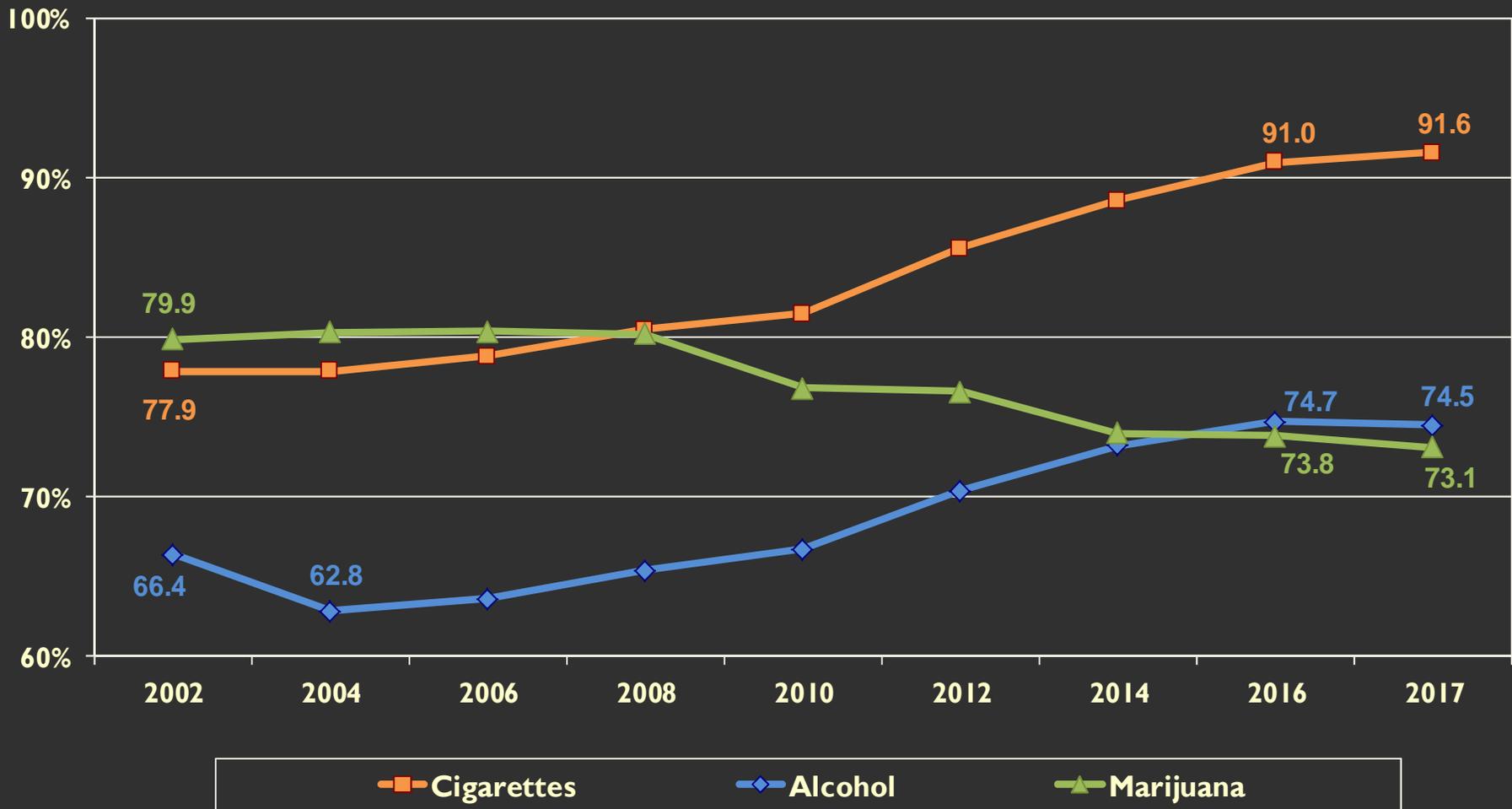
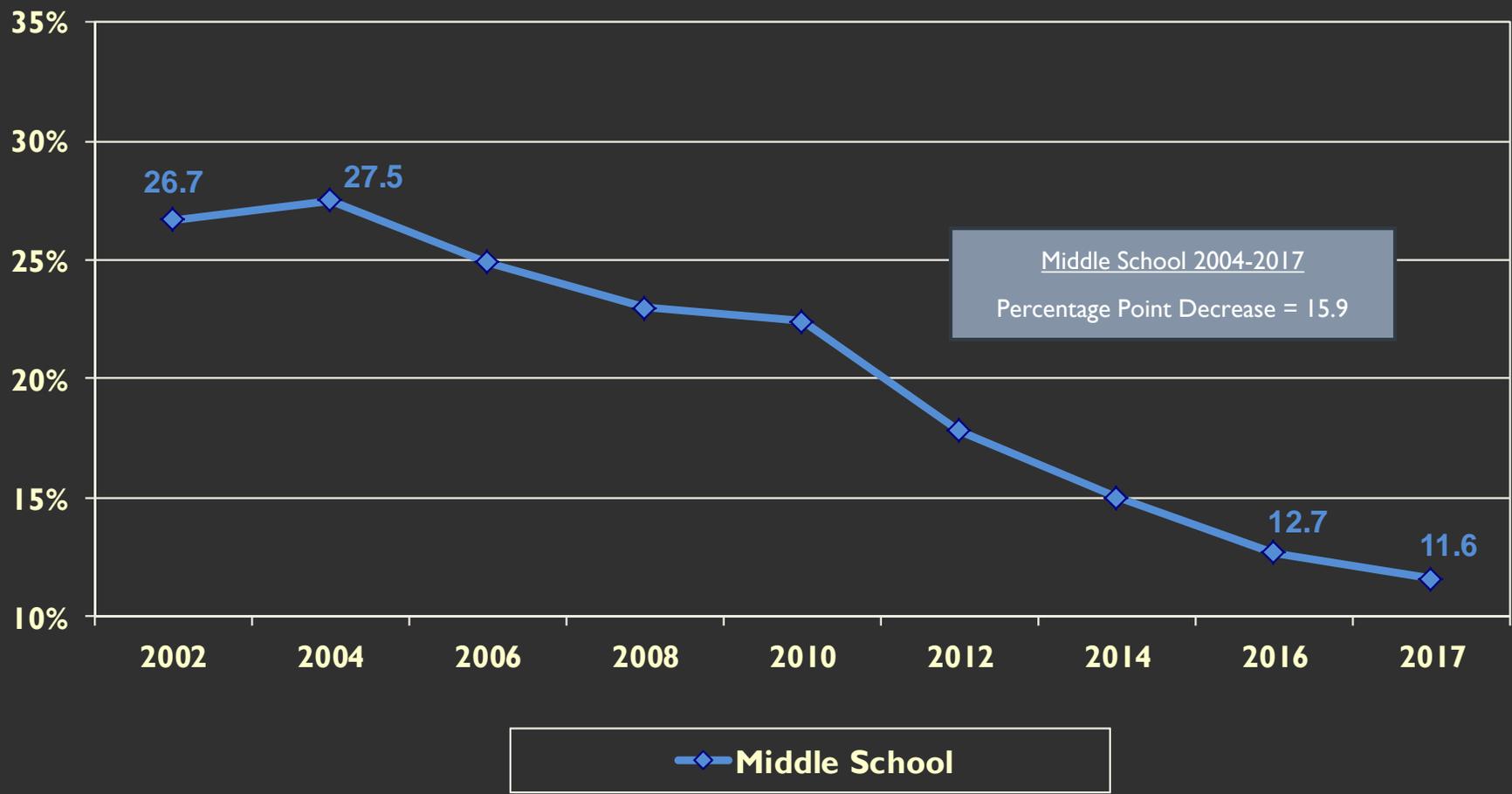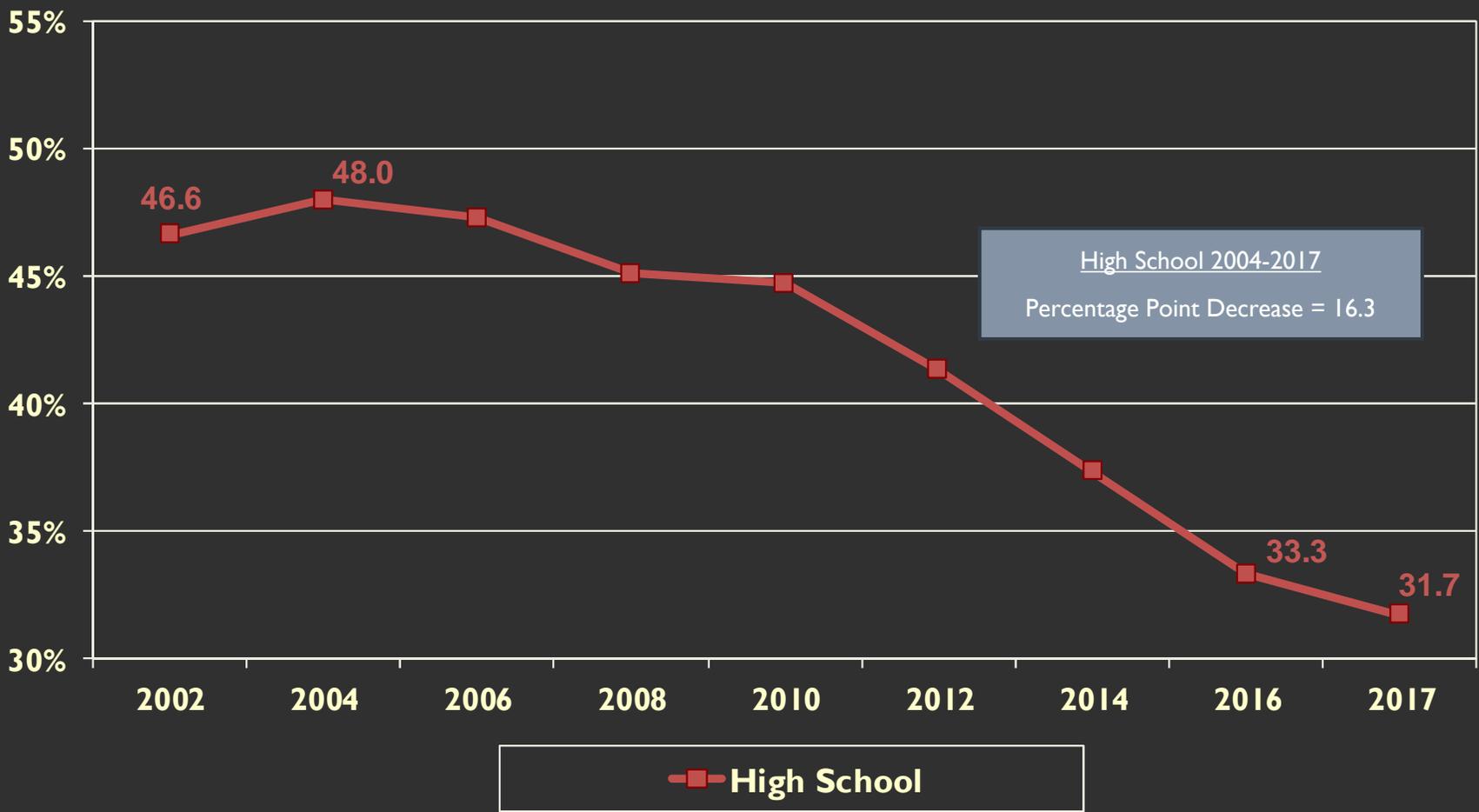# **Overall ATOD Use**

- Dramatic reductions since 2004

- Rate of decline has increased since 2010

- Reductions occurring in both M.S. and H.S.

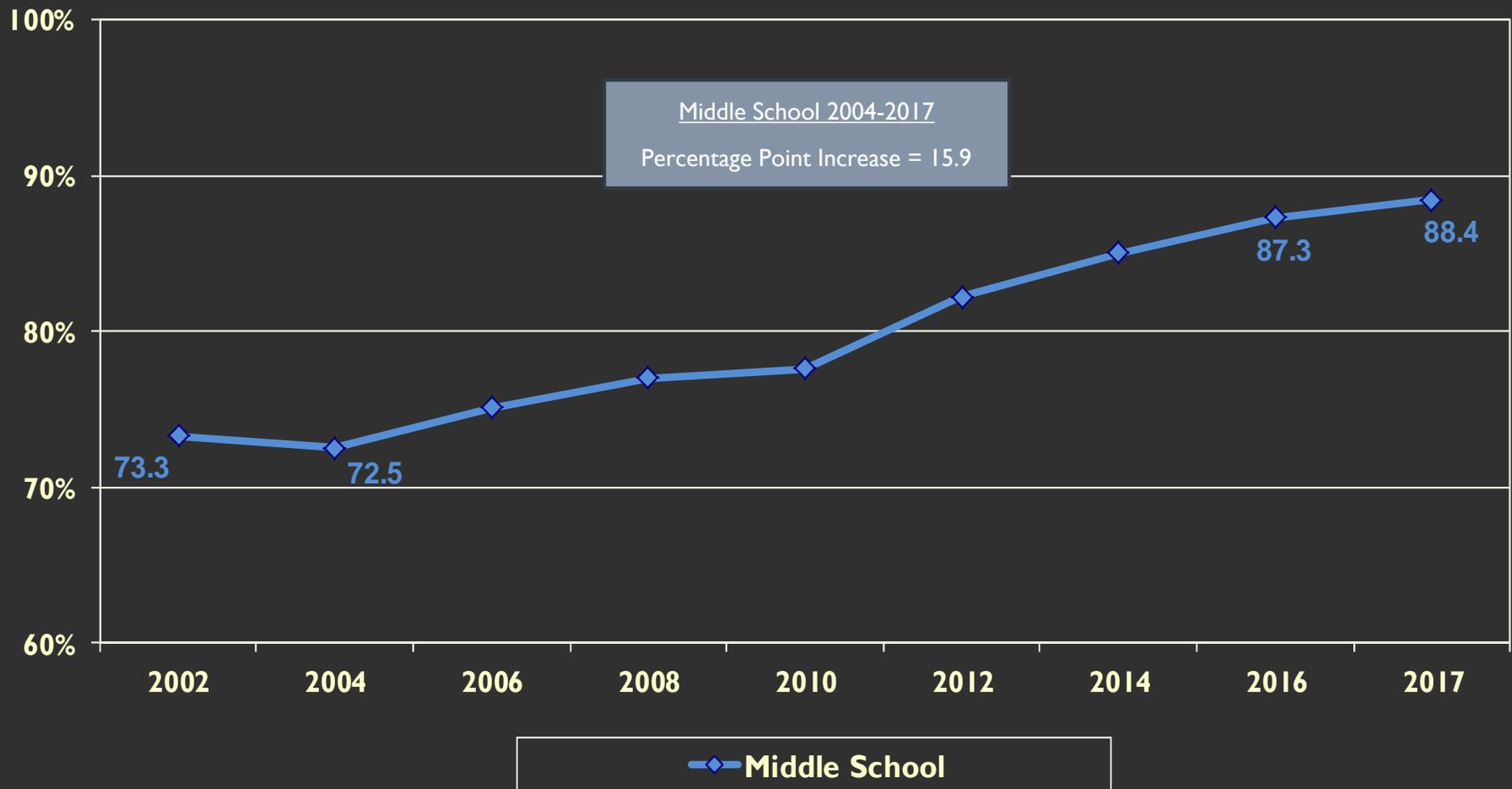# Use of Alcohol, Tobacco, or Any Illicit Drug
Past-30-Day Prevalence Among Middle School Students

Middle School 2004-2017

Percentage Point Decrease = 15.9

Data points:
- 2002: 26.7
- 2004: 27.5
- 2016: 12.7
- 2017: 11.6

Legend: Middle School

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

46.6   48.0   33.3   31.7

55%   50%   45%   40%   35%   30%

2002   2004   2006   2008   2010   2012   2014   2016   2017

High School

35

Students Reporting <u>No</u> ATOD Use in the Past 30 Days

Middle School 2004-2017

Percentage Point Increase = 15.9

73.3

72.5

87.3

88.4

2002 2004 2006 2008 2010 2012 2014 2016 2017

◆ Middle School

Students Reporting <u>No</u> ATOD Use in the Past 30 Days

High School 2004-2017

Percentage Point Increase = 16.3

53.4

52.0

66.7

68.3

| | 2002 | 2004 | 2006 | 2008 | 2010 | 2012 | 2014 | 2016 | 2017 |

High School
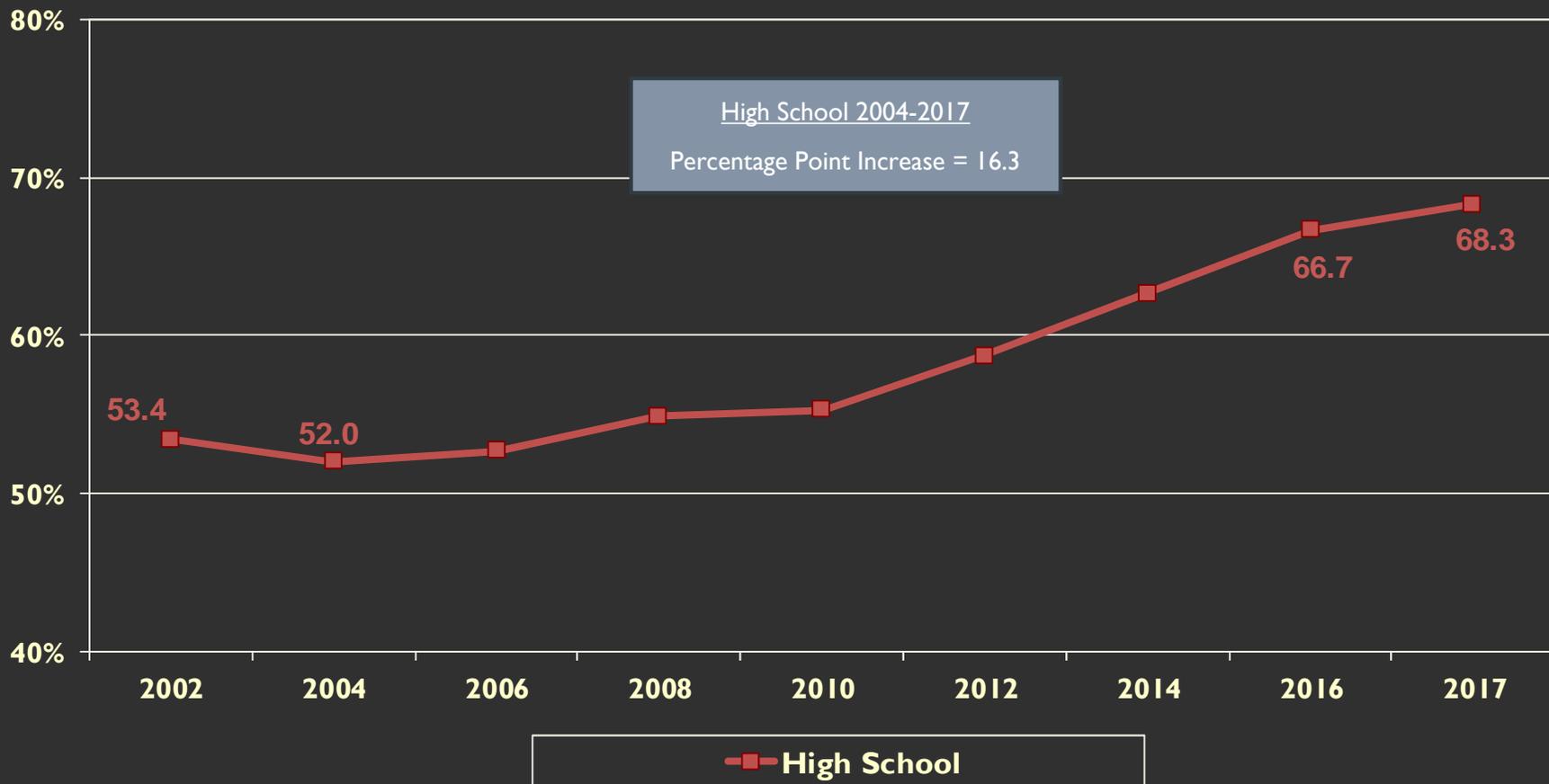
Percentage Point Change 2002-2017
Past-30-Day Prevalence

Category	Value
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
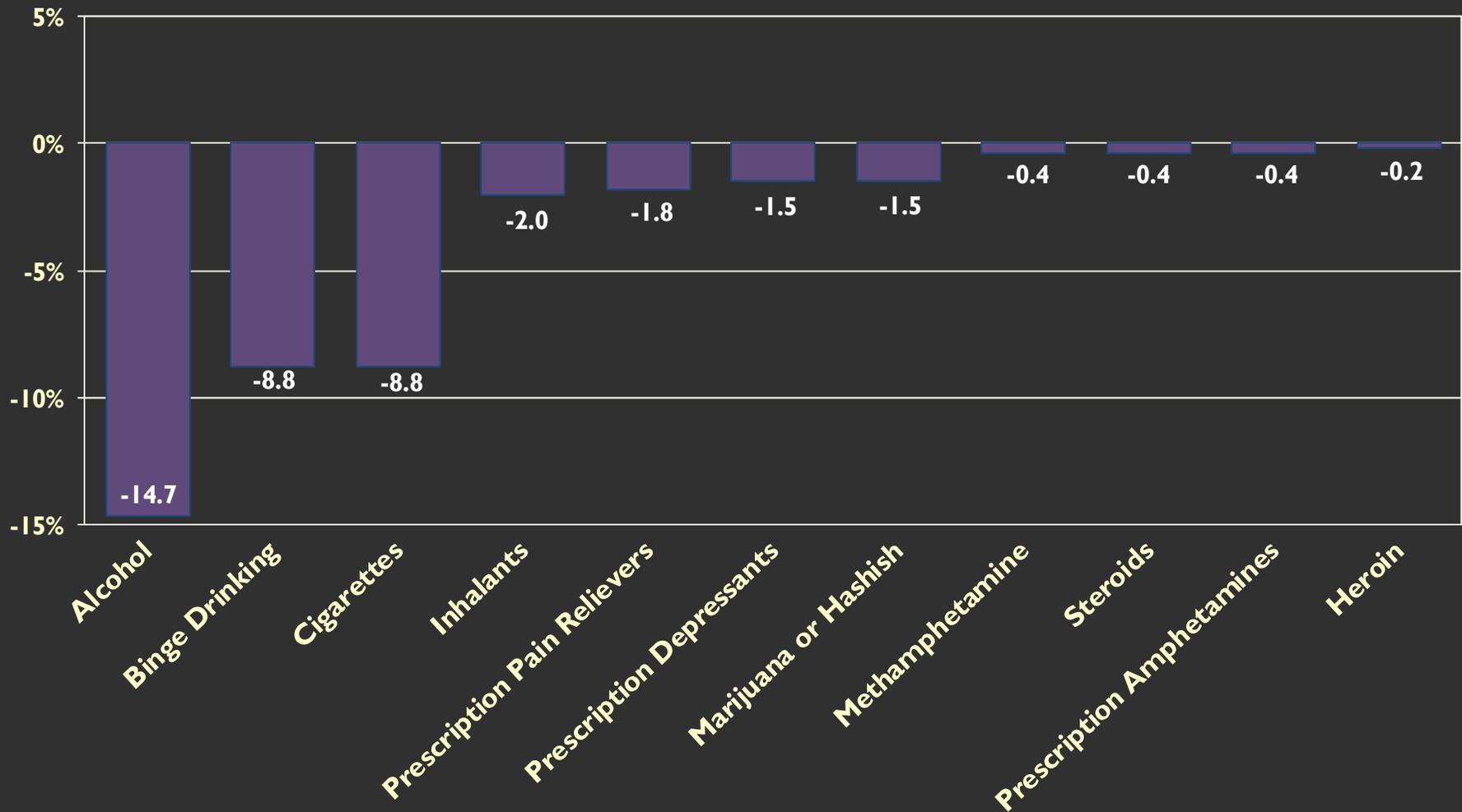
Percentage Point Change 2016-2017
Past-30-Day Prevalence

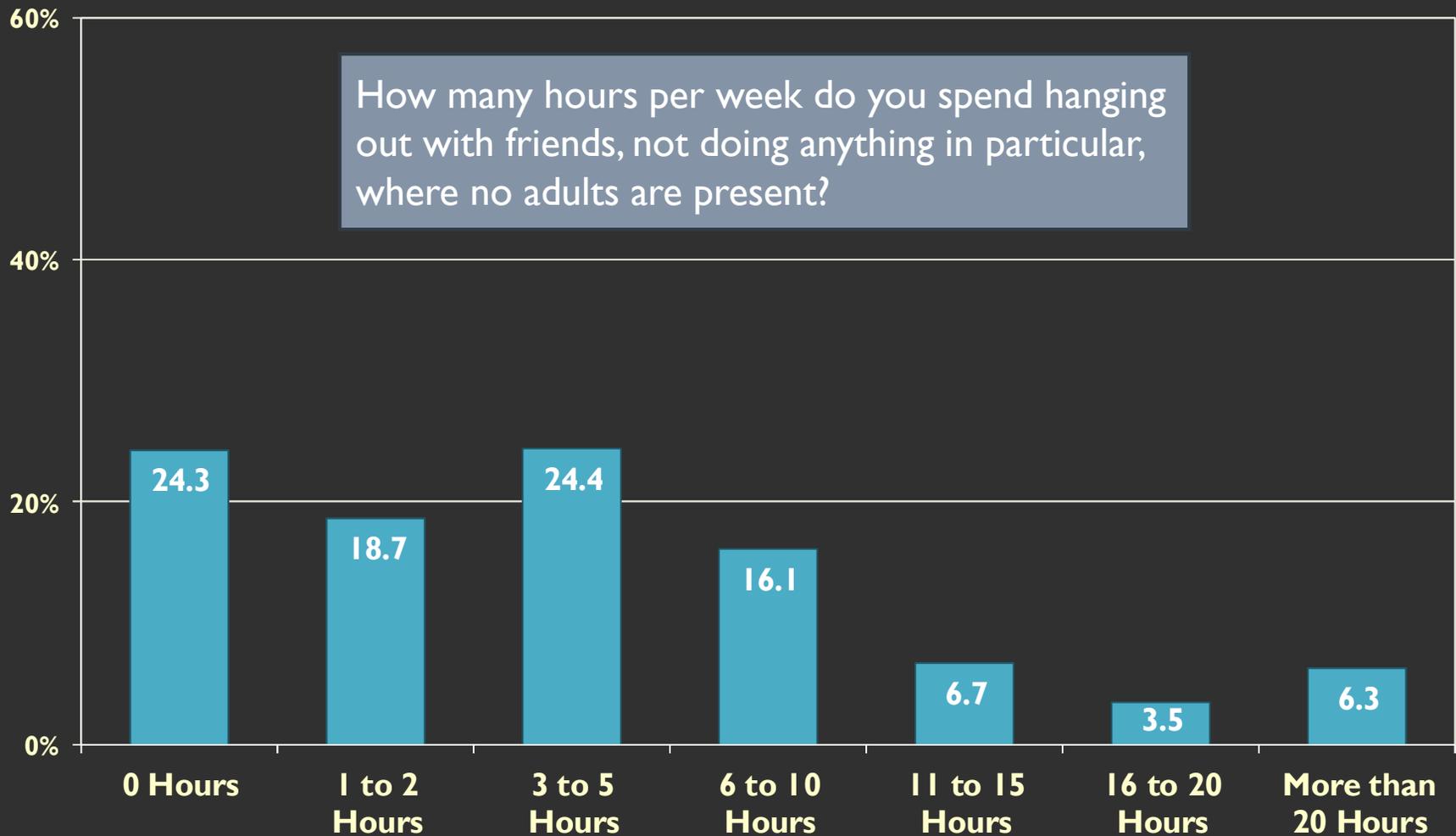| Category	Value
Vaping	-1.9
Alcohol	-1.8
Cigarettes	-0.8
Marijuana or Hashish	-0.6
Binge Drinking	-0.5
Prescription Depressants	-0.4
Synthetic Marijuana	-0.2
Prescription Amphetamines	-0.2
Prescription Pain Relievers	-0.1
Over-The-Counter Drugs	-0.1
Club Drugs	-0.1
Cocaine or Crack	-0.1
Inhalants	0.0
Steroids	0.0
LSD, PCP, or Mushrooms	0.0
Heroin	0.0
Flakka	0.0
Methamphetamine	0.1

39
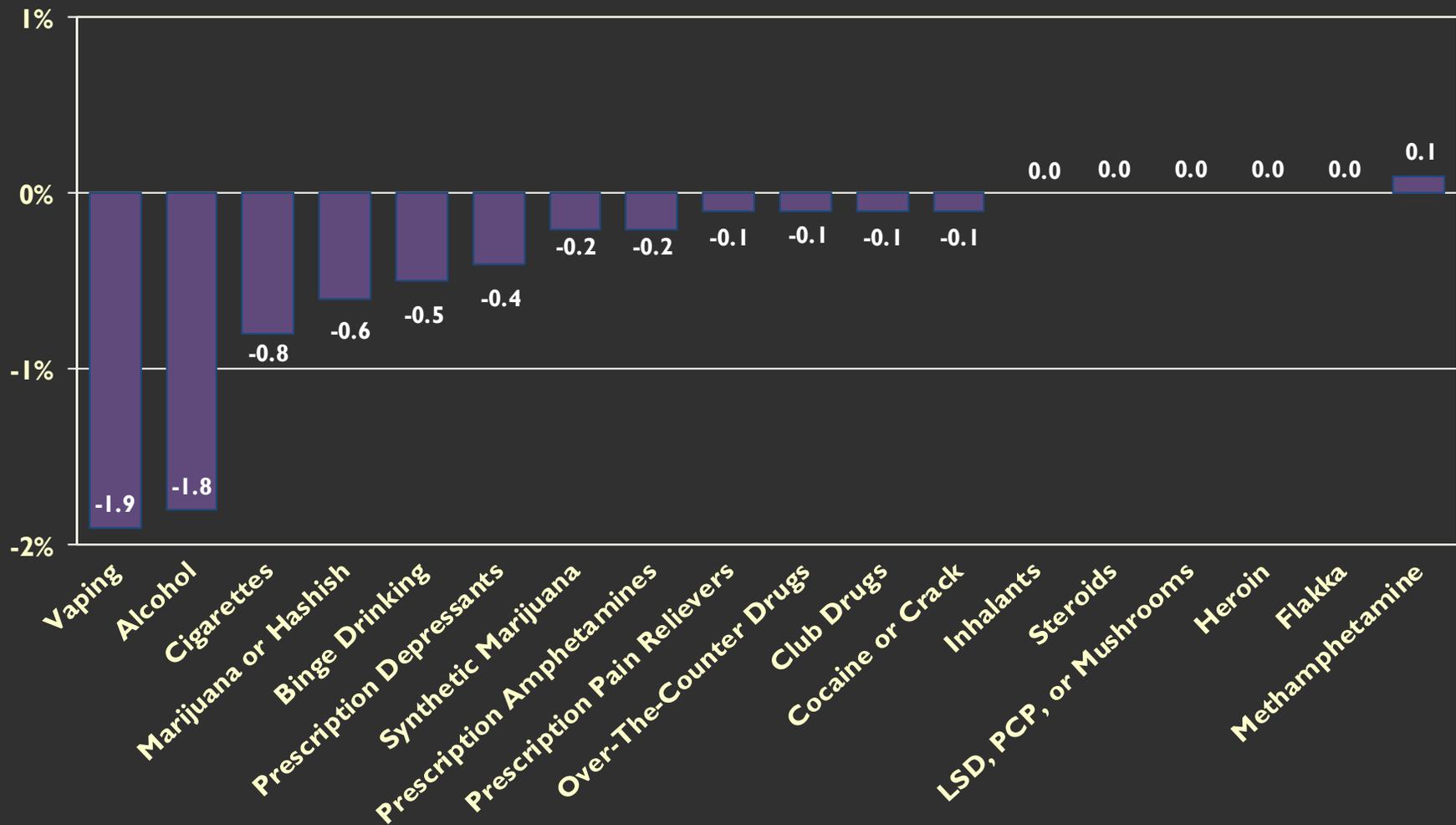
New FYSAS Data

Unstructured/Unsupervised Time

Impulsiveness

Sleep

Unstructured and Unsupervised Time
Hours per Week

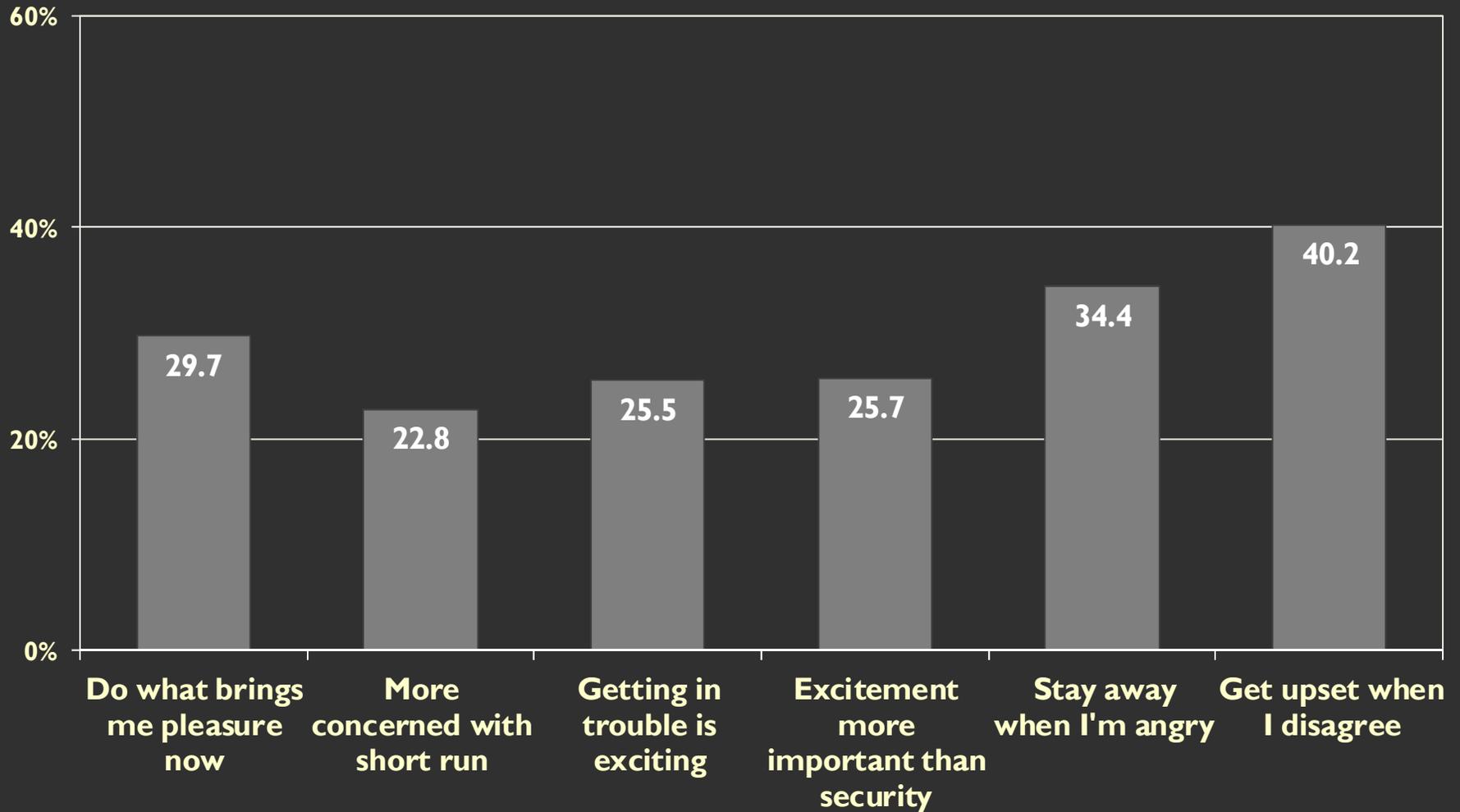How many hours per week do you spend hanging out with friends, not doing anything in particular, where no adults are present?

Category	Percentage
0 Hours	24.3
1 to 2 Hours	18.7
3 to 5 Hours	24.4
6 to 10 Hours	16.1
11 to 15 Hours	6.7
16 to 20 Hours	3.5
More than 20 Hours	6.3

Unstructured Time and ATOD Use
Past-30-Day Prevalence Rates

42

Impulsiveness

Number of Items with "Agree" or "Strongly Agree"

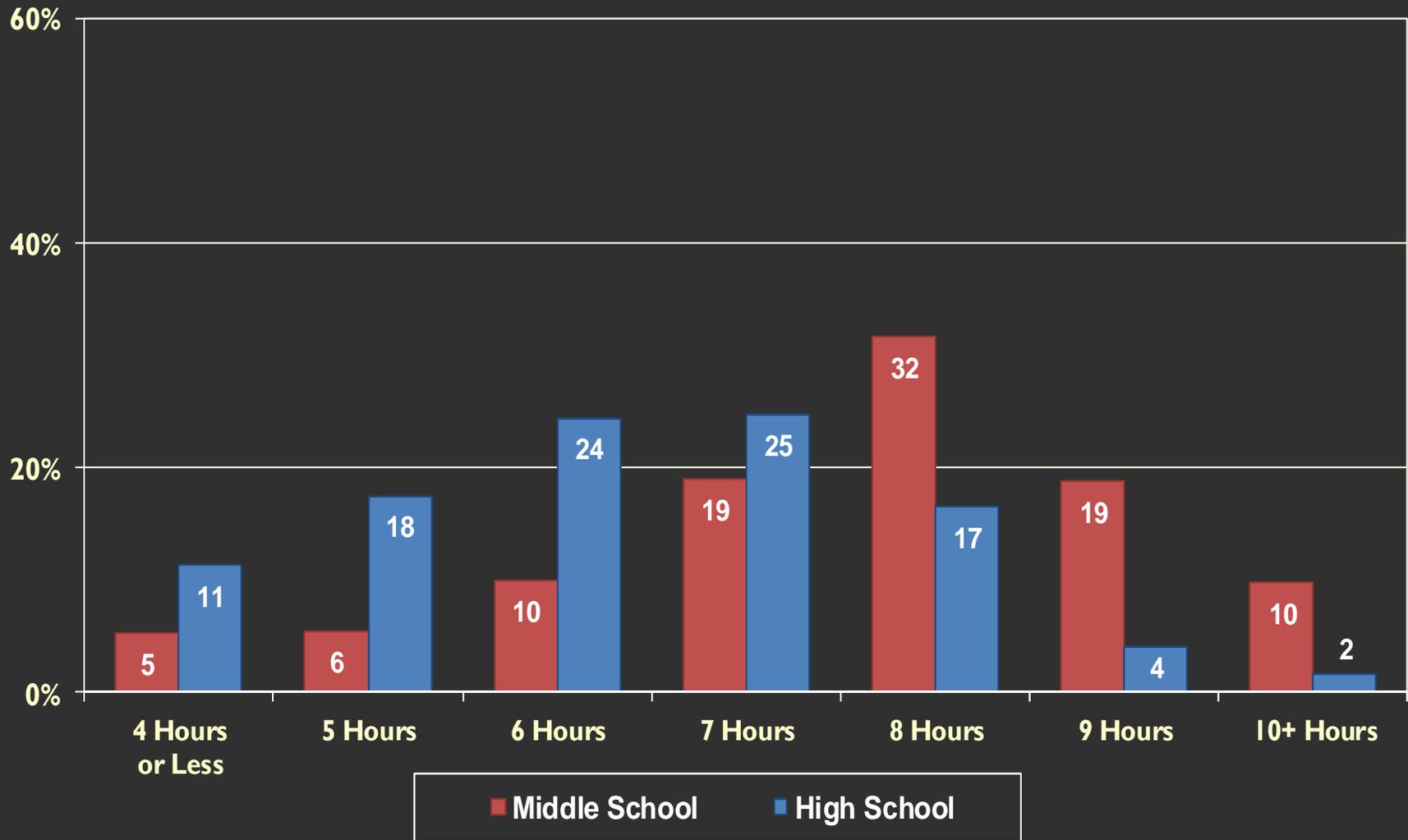|	No Items	1 Item	2 Items	3 Items	4 Items	5 Items	All 6 Items
	30.2	20.1	19.4	13.7	8.8	4.7	3.1

44
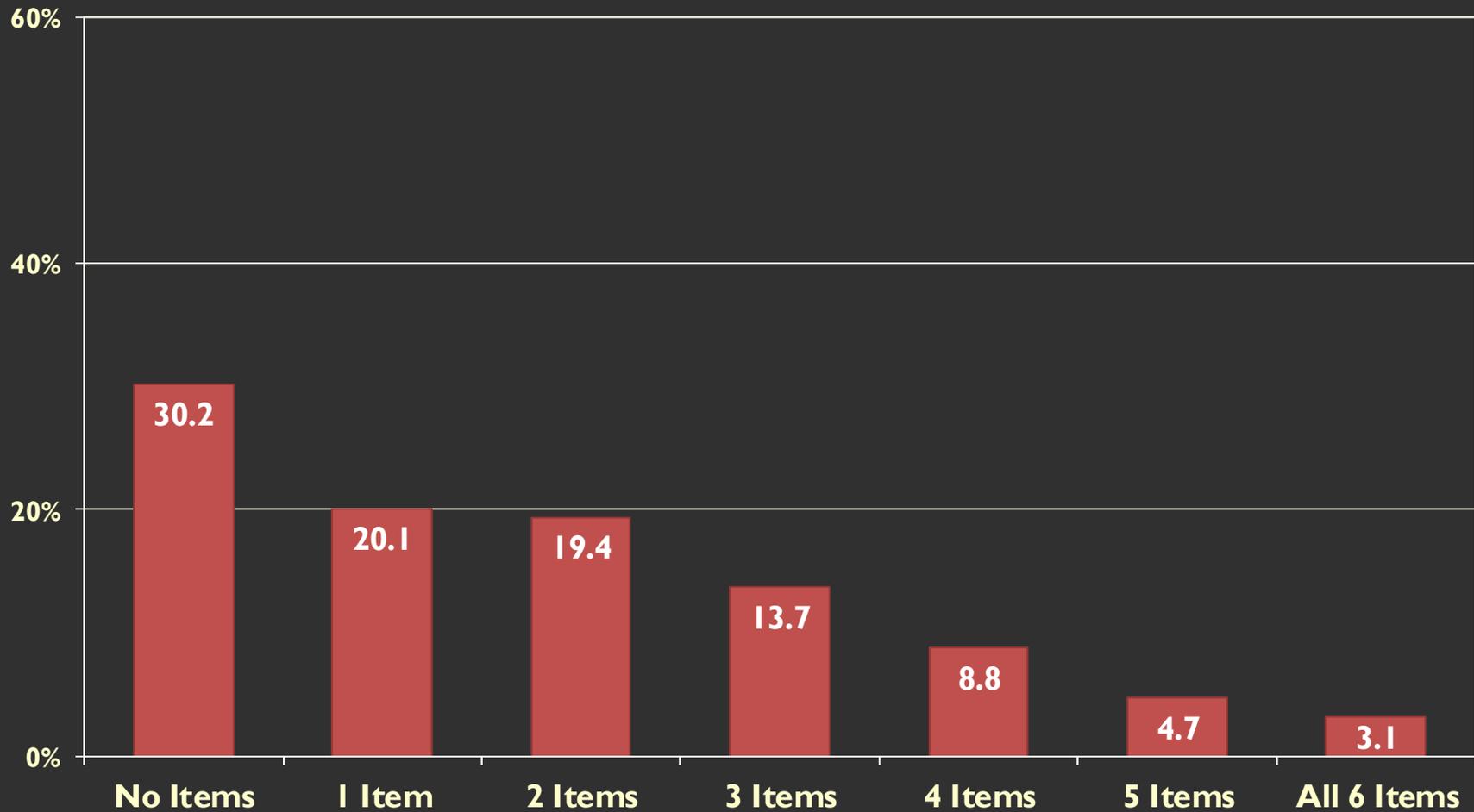
Impulsiveness and ATOD Use
Past-30-Day Prevalence Rates
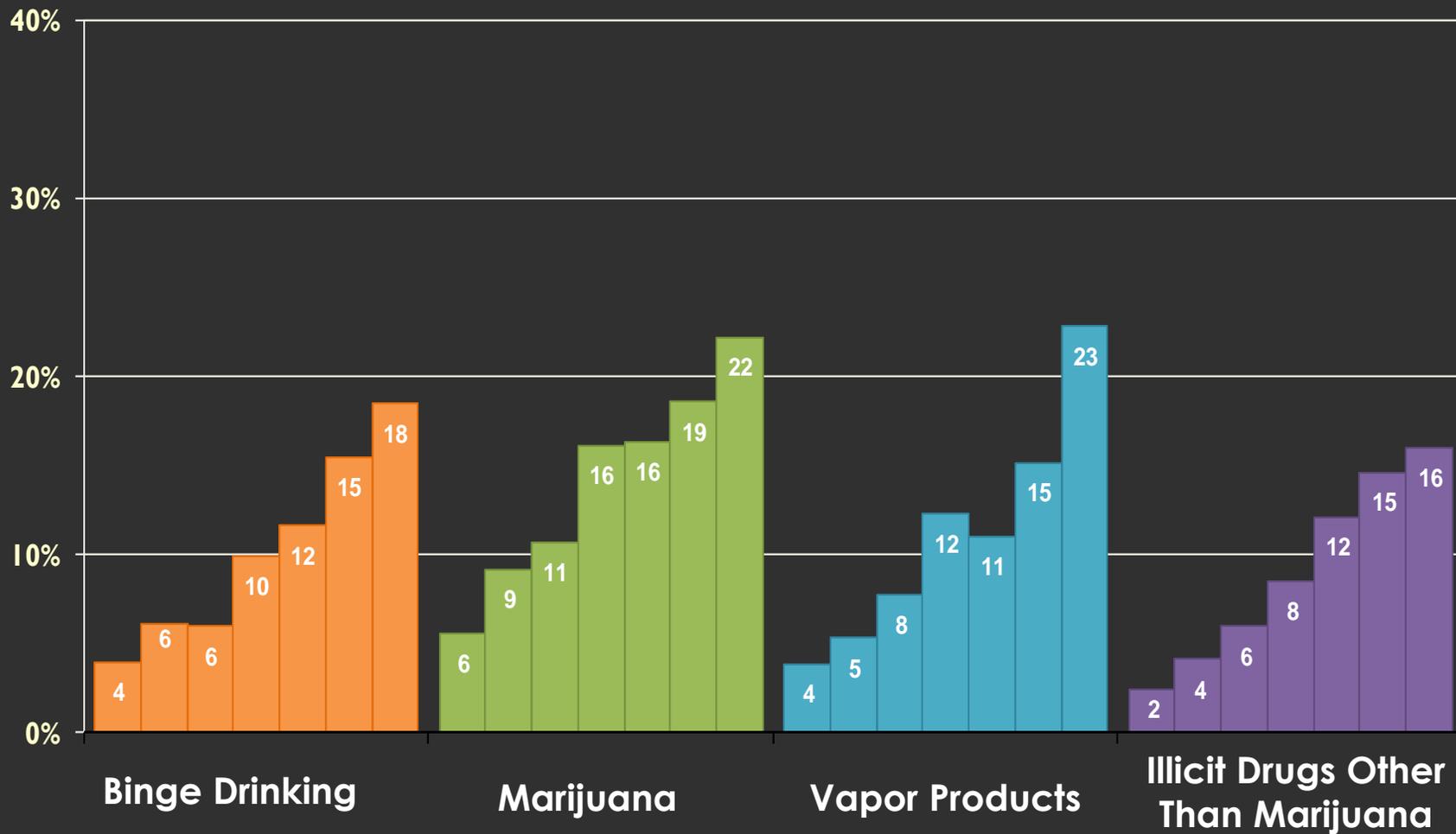
Hours of Sleep on a School Night

Sleep and Symptoms of Depression