

# FY 2017 Prevention Outcomes

## Annual Report



Prevention Quarterly Meeting  
May 5, 2018

South Carolina  
**DAODAS**  
Department of Alcohol and Other Drug Abuse Services



# Bostonese 101



Water fountain



Bubbler



Bubblah



# Bostonese 101

Coffee regular

Regular size



Caffeine



Cream and sugar



# Bostonese 101

## Wicked: Definition

**Evil**



**Cool (adj):**

*That Mustang convertible is wicked.*

**Extremely (adv):**

*That Mustang convertible is wicked cool.*

*We had a wicked good time at the NPN conference in Boston.*

# Bostonese 101: Putting It All Together

*At the Sox game last night I was wicked hot.  
I searched all inning for a bubblah.*

***Dunkin Donuts server:** What'll ya have hon?*

***You:** I'll have a glazed chocolate donut and a coffee regular.*

# The Report

- Produced by PIRE
  - Al Stein-Seroussi
  - Mikella Allen
  - Michael George
  - Sean Hanley
- Data are from July 1, 2016 – June 30, 2017 (FY '17)
- Summarizes data from many forms of prevention services, but not all
- Copies of the final report will be available for download from SC Prevention Documents website: <http://ncweb.pire.org/scdocuments/>
- Correspondence about the report can be addressed to:  
Al Stein-Seroussi  
[stein@pire.org](mailto:stein@pire.org)  
919-265-2616

# The Report

- Pre and Post Tests
- Environmental Strategies
- Synar
- Other Prevention Interventions
- Statewide Youth Substance Use Estimates



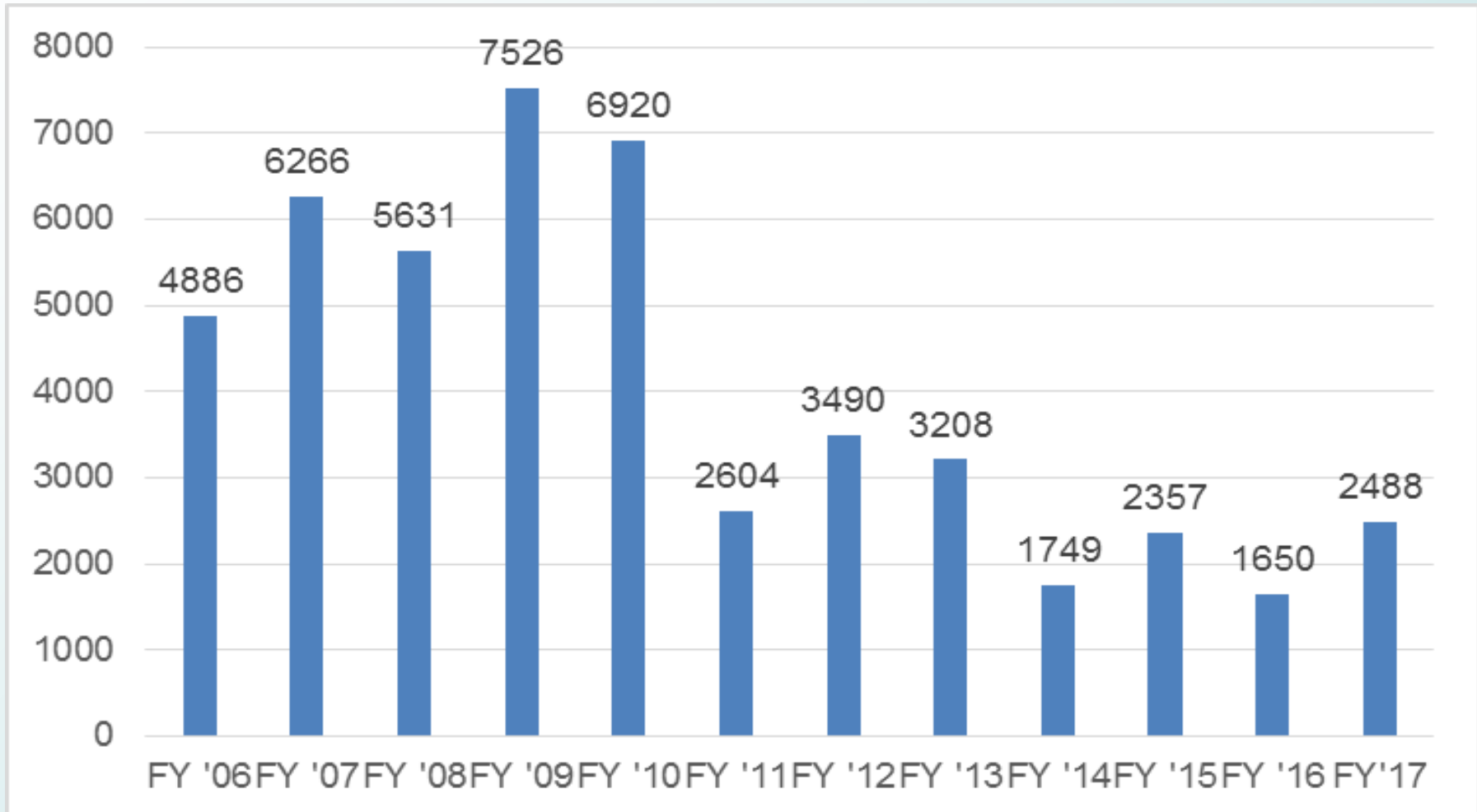
# **PRE AND POST TESTS**



# Curriculum Program Data

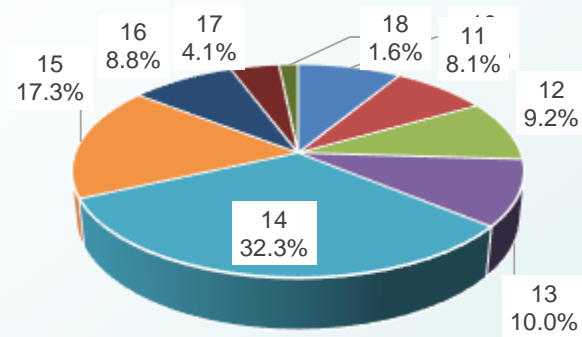
- Pre- and post-test design (Standard Survey)
- 2,488 matched tests (more than FY 16)
- 10 different curricula
- Most common programs
  - Life Skills (1572)
  - Alcohol Stories (239)
  - Project TND (178)
  - ATOD 101 (142)
  - Prime for Live Exploring (102)

# Number of Matched Pre-Tests by Year

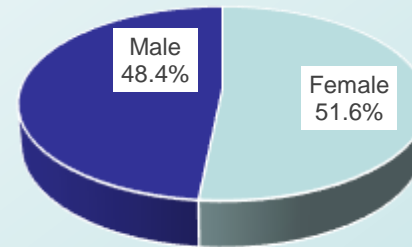


# Participant Demographics

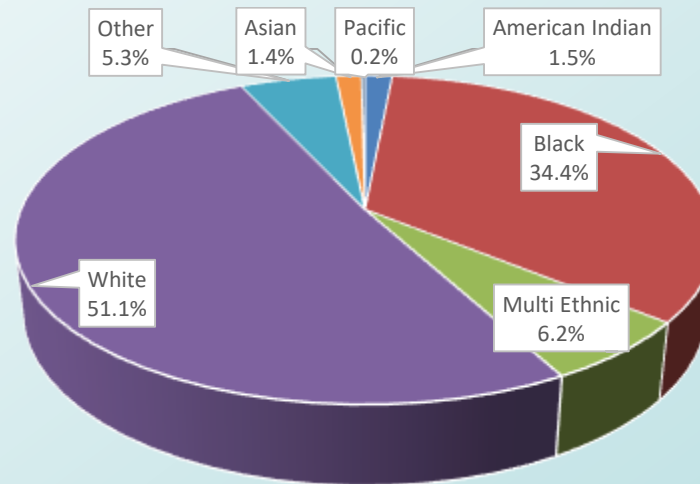
## Age



## Sex



## Race



*6.4% of participants were Hispanic/Latino.*

# Risk Factor Data

Risk-Factor Measure	Possible Range of Scores	Pre-Test Average	Post-Test Average	FY '17 % Change <sup>a</sup>	FY '16 % Change
Perceived Risk	0-3	1.93	2.10	8.93**	10.92**
Decision-Making	0-3	1.86	1.94	4.20**	4.27**
Disapproval of Use	0-2	1.52	1.54	1.61**	2.09**
Perceived Peer Norms	0-10	8.22	8.27	0.64**	1.63**
Perceived Parental Attitudes	0-3	2.81	2.80	-0.44	-0.35

Positive scores are more favorable.

<sup>a</sup> FY '17 % Change calculations are based on unrounded pre- and post-test values and, therefore, may not match the percentages that would be obtained using the rounded pre- and post-test values.

\* Pre- and post-test averages are marginally significantly different ( $p < .10$ .)

\*\* Pre- and post-test averages are significantly different ( $p < .05$ .)

# Substance Use Measures

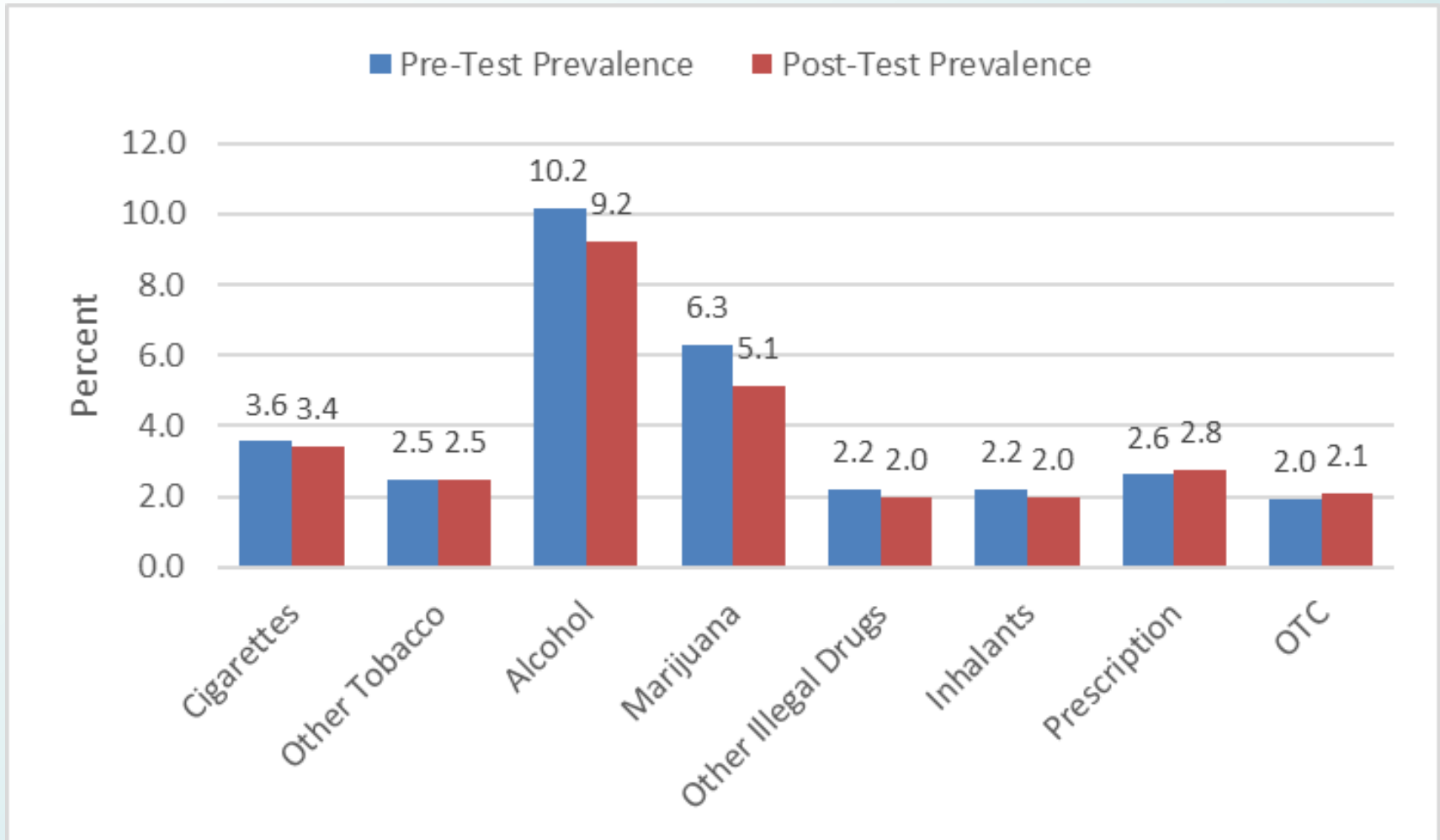
Risk-Factor Measure: 30 Day Use	% Using at Pre-Test	% Using at Post-Test	FY '17 % Change	FY '16 % Change
Cigarettes	3.56	3.42	-3.93	-38.98**
Other Tobacco	2.47	2.48	0.40	-24.71*
Alcohol	10.16	9.22	-9.25	-26.26**
Marijuana	6.29	5.13	-18.44**	-39.91**
Other Illegal Drugs	2.19	1.99	-9.13	-36.61*
Inhalants	2.19	1.99	-9.13	-17.93
Non-Medical Prescription Drugs	2.63	2.77	5.32	-19.23
Non-Medical OTC Drugs	1.95	2.08	6.67	-20.50

Negative changes are desired for these items

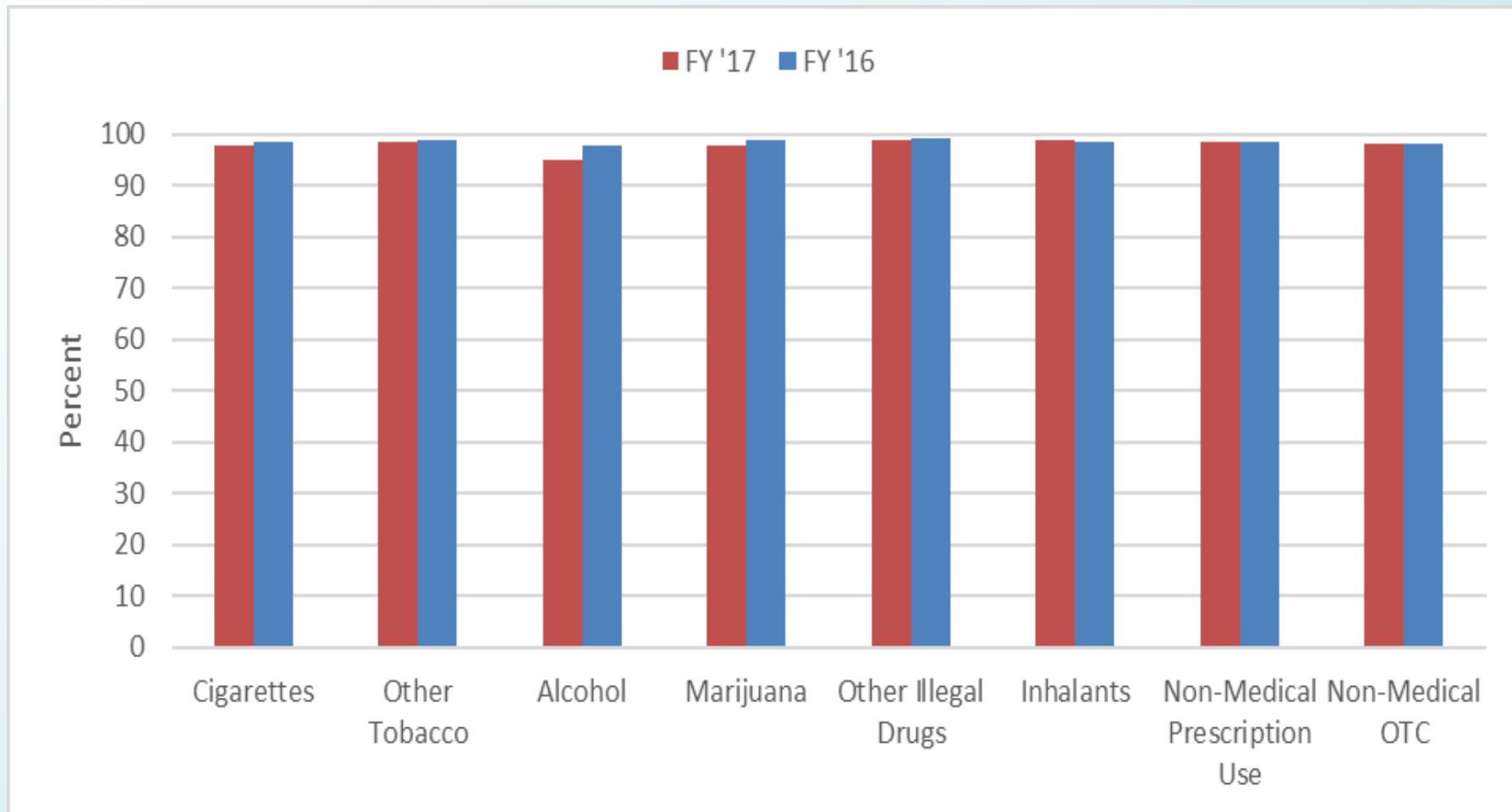
\* Pre- and post-test averages are marginally significantly different (p < .10.)

\*\* Pre- and post-test averages are statistically significantly different (p<.05)

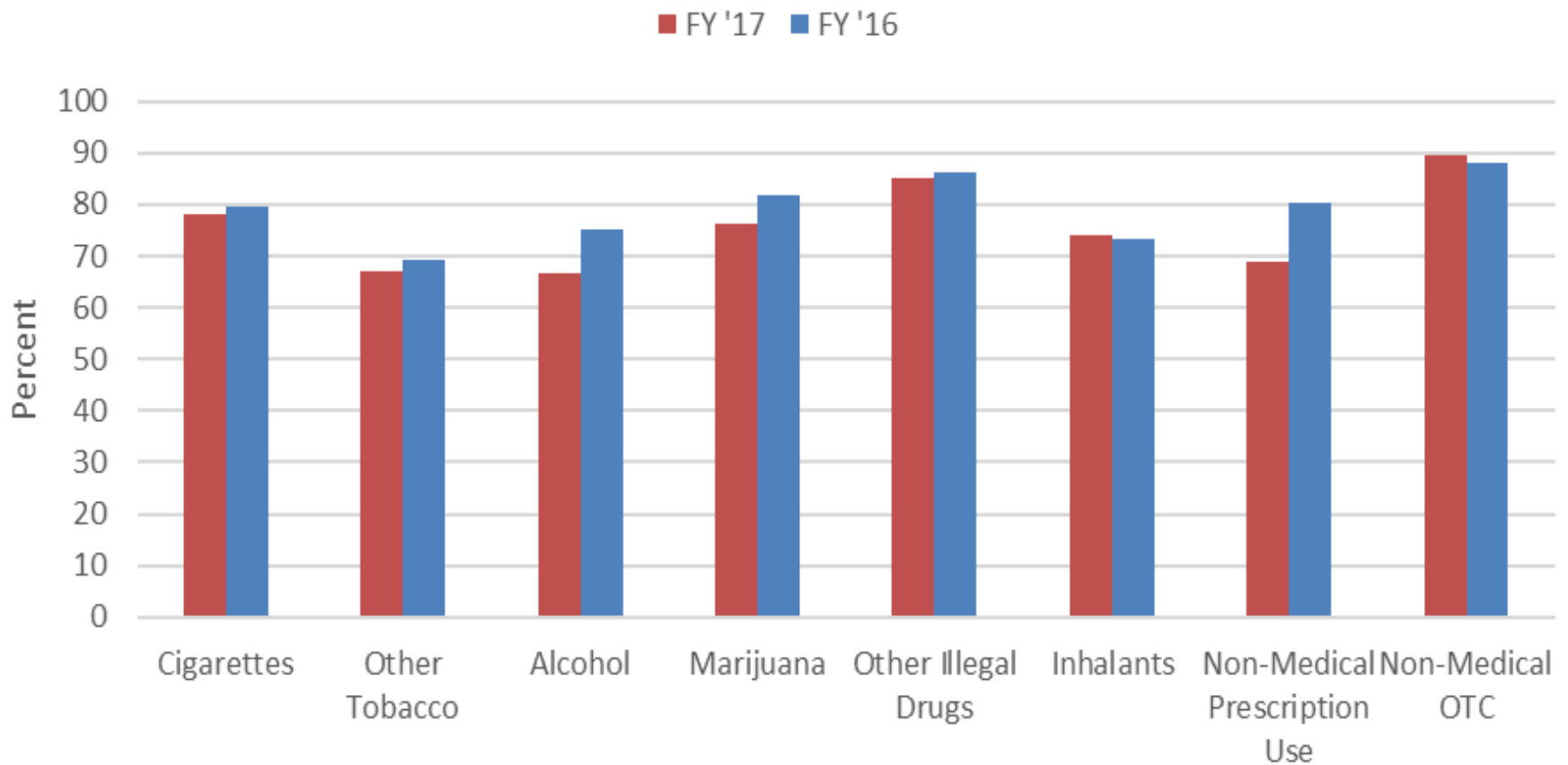
# Substance Use Measures



# Non-Users Who Remained Non-Users



# Users Who Reduced Their Level of Use





# Summary Demographic Outcomes

Category (number)	Perceived Risk	Decision Making	Disapproval of Use	Perceived Peer Norms	Perceived Parental Attitudes	Cigarettes	Other Tobacco	Alcohol	Marijuana	Other Illegal Drugs	Inhalants	Non-medical Use of Prescriptions	Non-medical Use of OTCs	
<b>DEMOGRAPHICS</b>														
Overall Middle School (1414)	*	*	*	*		*		*	*					
Overall High School (230)	*								*	*				
Females (885)	*	*		*		*		*	*			*		
Males (762)	*	*	*	*					*					
Black/African American (755)	*	*	*	*		*		*	*					
White (629)	*													
Multi-ethnic (90)	*													
Other (127)	*													
Hispanic (144)	*													
Not Hispanic (1455)	*	*	*	*		*		*	*					
<b>LEGEND</b>														
Desired Marginally Significant		Desired Significant					*							
Undesired Marginally Significant		Undesired Significant					*							



# Summary Program Outcomes FY 16

Category (number)	Perceived Risk	Decision Making	Disapproval of Use	Perceived Peer Norms	Perceived Parental Attitudes	Cigarettes	Other Tobacco	Alcohol	Marijuana	Other Illegal Drugs	Inhalants	Non-medical Use of Prescriptions	Non-medical Use of OTCs	
<b>PROGRAMS</b>														
Alcohol Stories (1 site; n = 271)	*													
All Stars (2 sites; n = 84)														
Keepin' It Real (1 site; n = 142)														
Life Skills (7 sites; n = 1009)	*	*	*	*				*						
Project Alert (1 site; n = 20)														
Project TND (1 site; n = 27)	*	*	*	*					*					
Too Good For Drugs (1 site; n =57)														
Why Try (1 site; n = 32)														
<b>OVERALL (13 sites; n = 1650)</b>	*	*	*	*		*		*	*					
<b>LEGEND</b>														
Desired Marginally Significant		Desired Significant					*							
Undesired Marginally Significant		Undesired Significant					*							

# Summary Program Outcomes FY 15

Category (number)	Perceived Risk	Decision Making	Disapproval of Use	Perceived Peer Norms	Perceived Parental Attitudes	Cigarettes	Other Tobacco	Alcohol	Marijuana	Other Illegal Drugs	Inhalants	Non-medical Use of Prescriptions	Non-medical Use of OTCs	
<b>PROGRAMS</b>														
All Stars (3 sites; n = 303)	*	*	*	*				*					*	
Girls Circle (1 site; n = 28)														
Keepin' It Real (1; n = 119)	*				*									
Life Skills (10 sites; n = 1337)	*	*	*	*			*	*	*		*			
Project Alert (3 sites; n = 261)	*	*			*		*	*						
Project TND (1 site; n = 98)	*	*	*	*	*		*							
Project TNT (1 site; n = 32)	*	*	*											
Tobacco Education Program (1 site; n = 119)	*	*	*	*								*		
Why Try (2 sites; n = 60)	*	*	*	*					*	*				
OVERALL (18 sites; n = 2357)	*	*	*	*			*	*	*		*	*	*	
<b>LEGEND</b>														
Desired Marginally Significant		Desired Significant					*							
Undesired Marginally Significant		Undesired Significant					*							

# Methodological Issues

- Floor and Ceiling Effects
- Lack of Comparisons
- Attendance Bias
- Short Duration between Pre and Posts
- Maturation Effects



**ALCOHOL AND TOBACCO  
ENVIRONMENTAL  
PREVENTION STRATEGIES**

# Types of Environmental Strategies

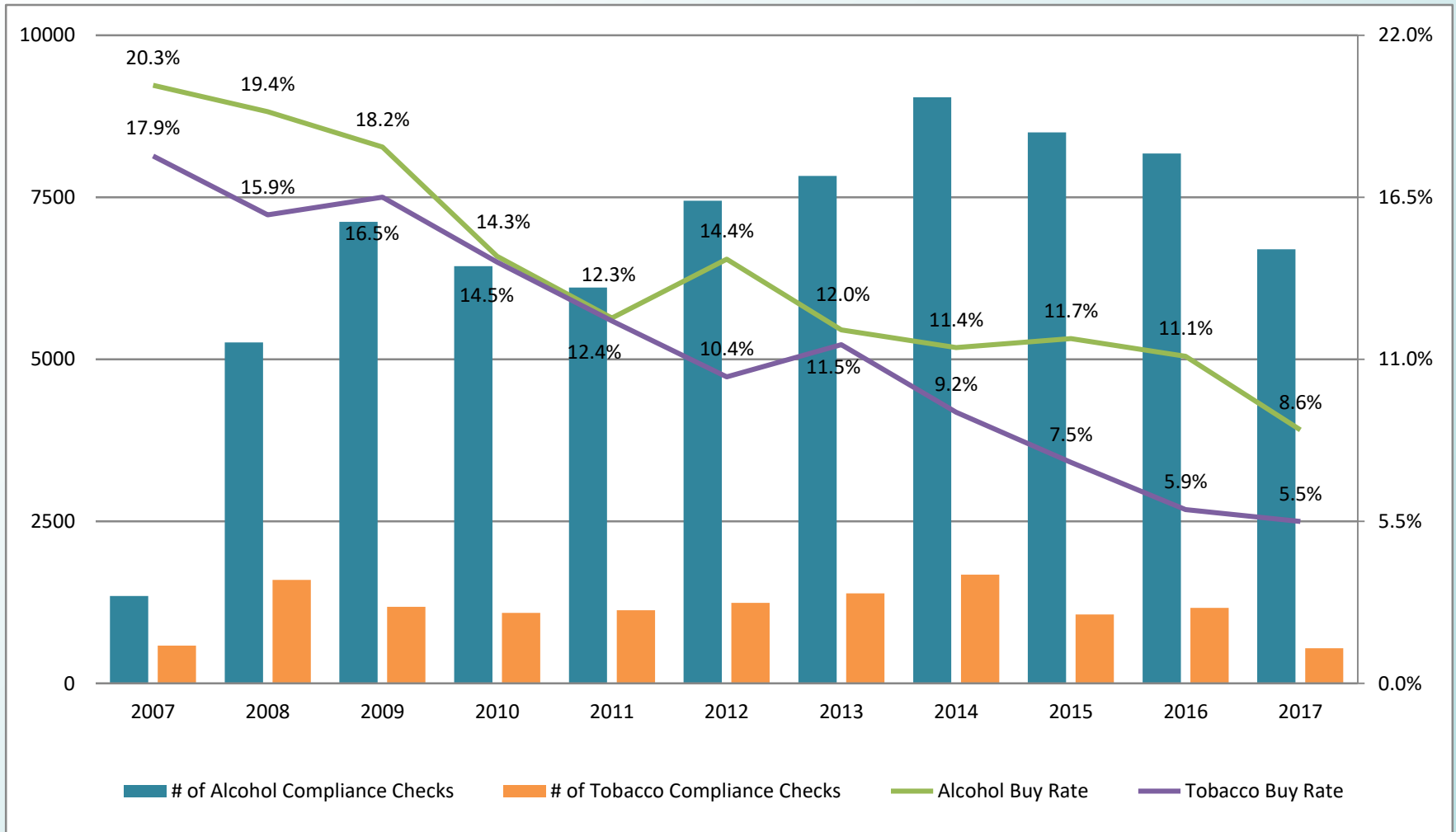
- Compliance Checks (alcohol = 6,696; tobacco = 543)
- Public Safety Checkpoints (434)/Saturation Patrols (131)
- Merchant Education (1,658)
- Shoulder Taps (9)
- Controlled Party Dispersal/Party Patrols (92)
- Multi-jurisdictional Law Enforcement Agreements

# Types of Environmental Strategies (cont.)

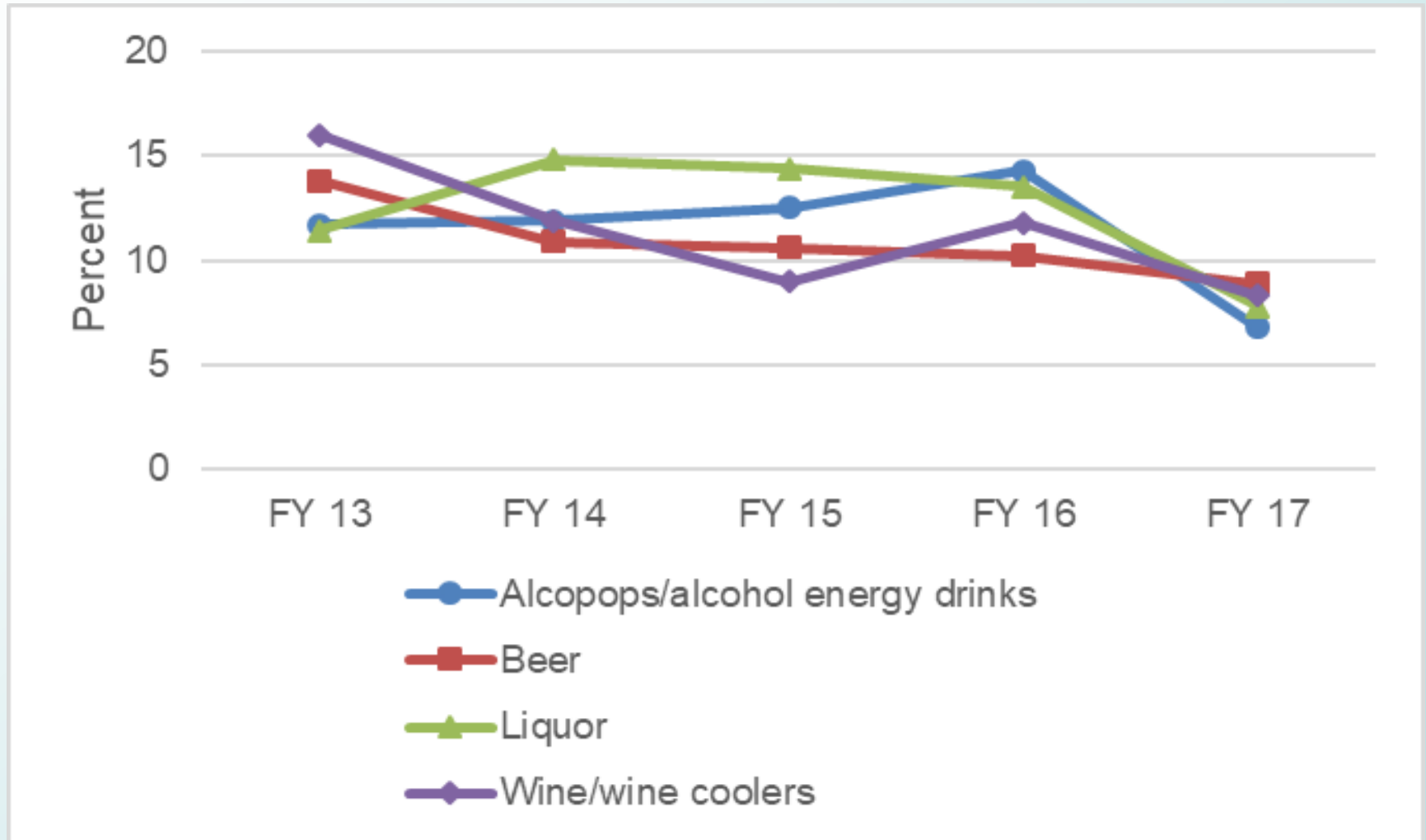
- AET Awareness Activities (e.g., education sessions, media, community contacts with youth and retailers)
- AET Training (26 training sessions, 370 individuals)



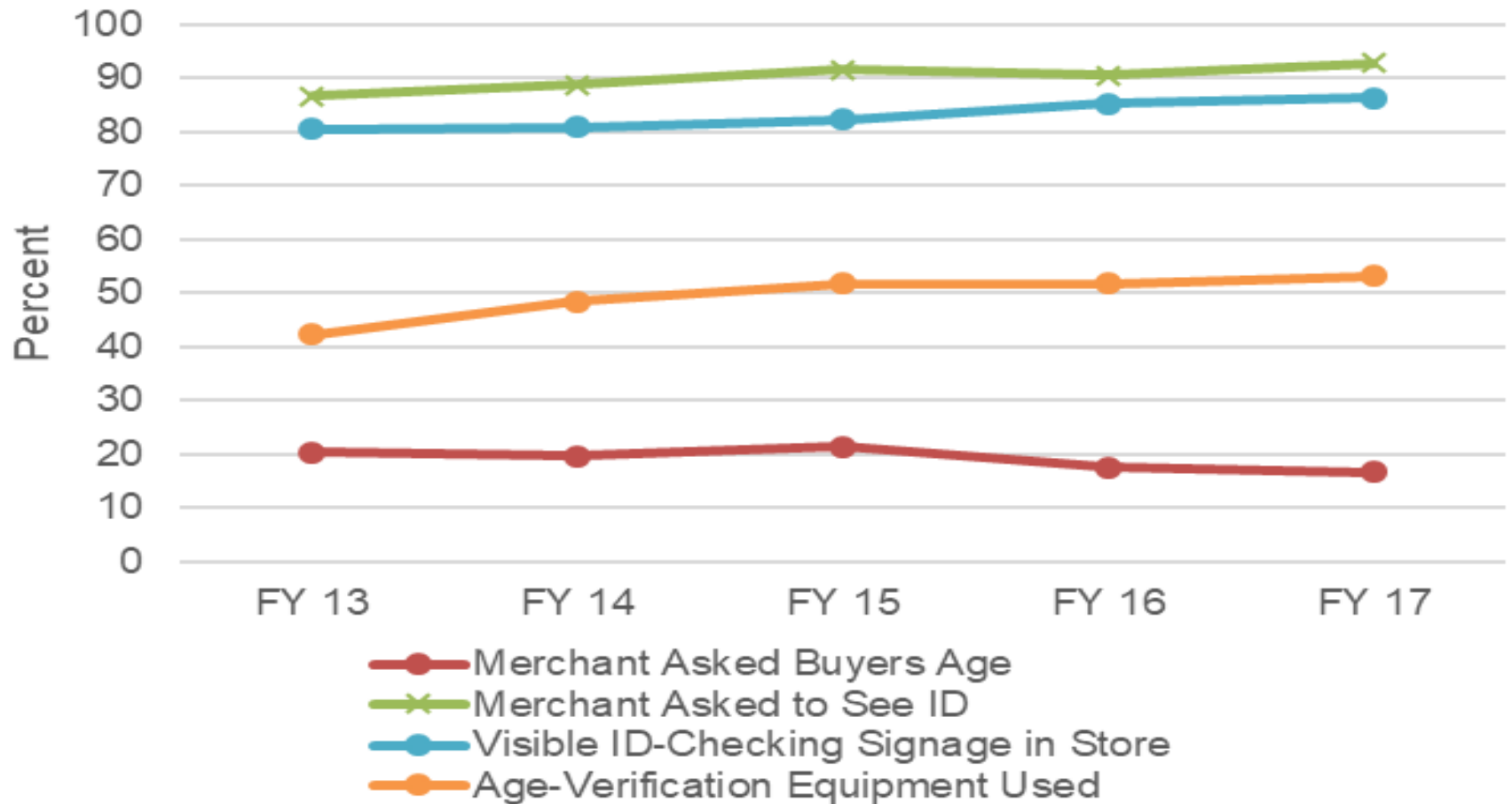
# Compliance Checks



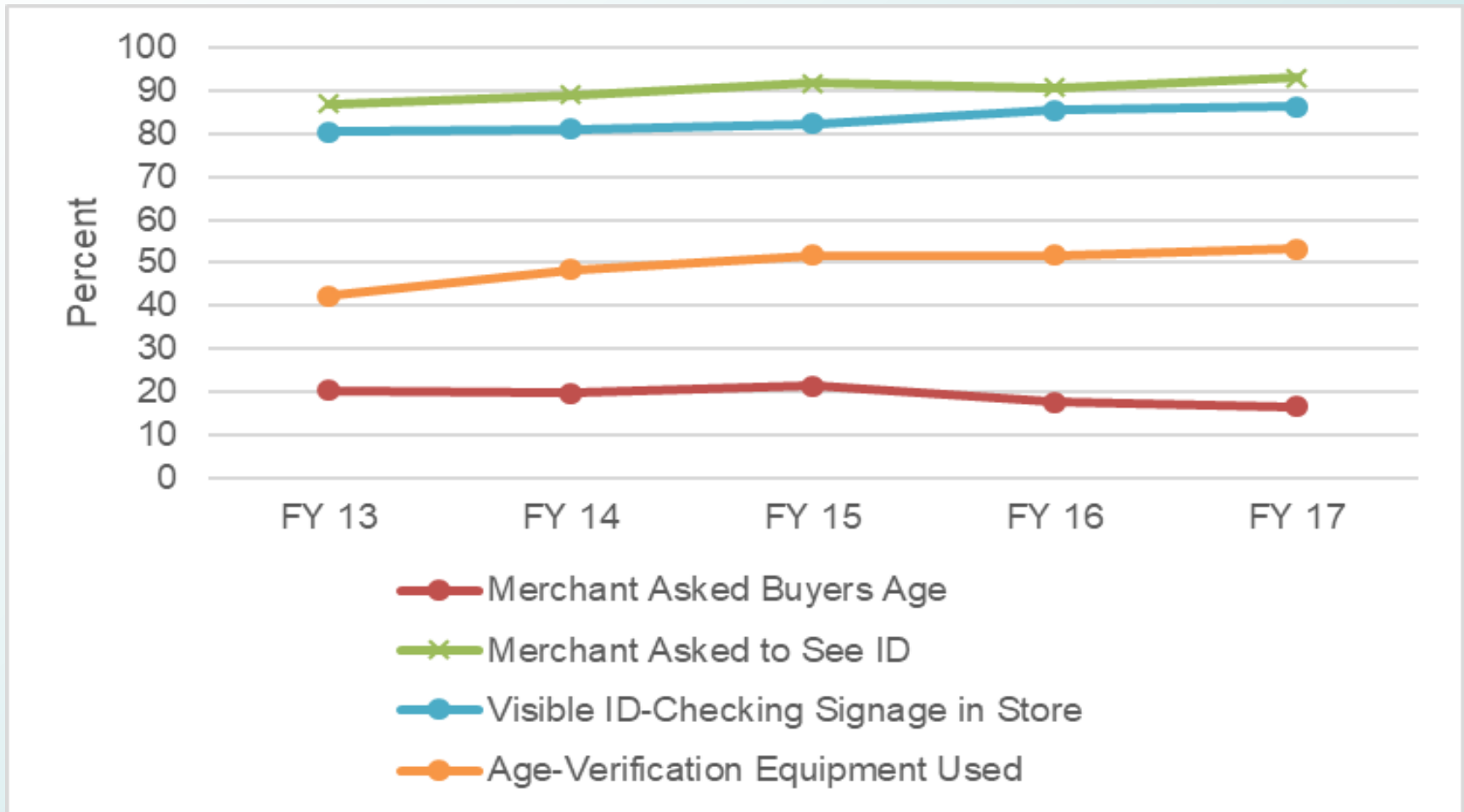
# Alcohol Buy Rates by Type of Product



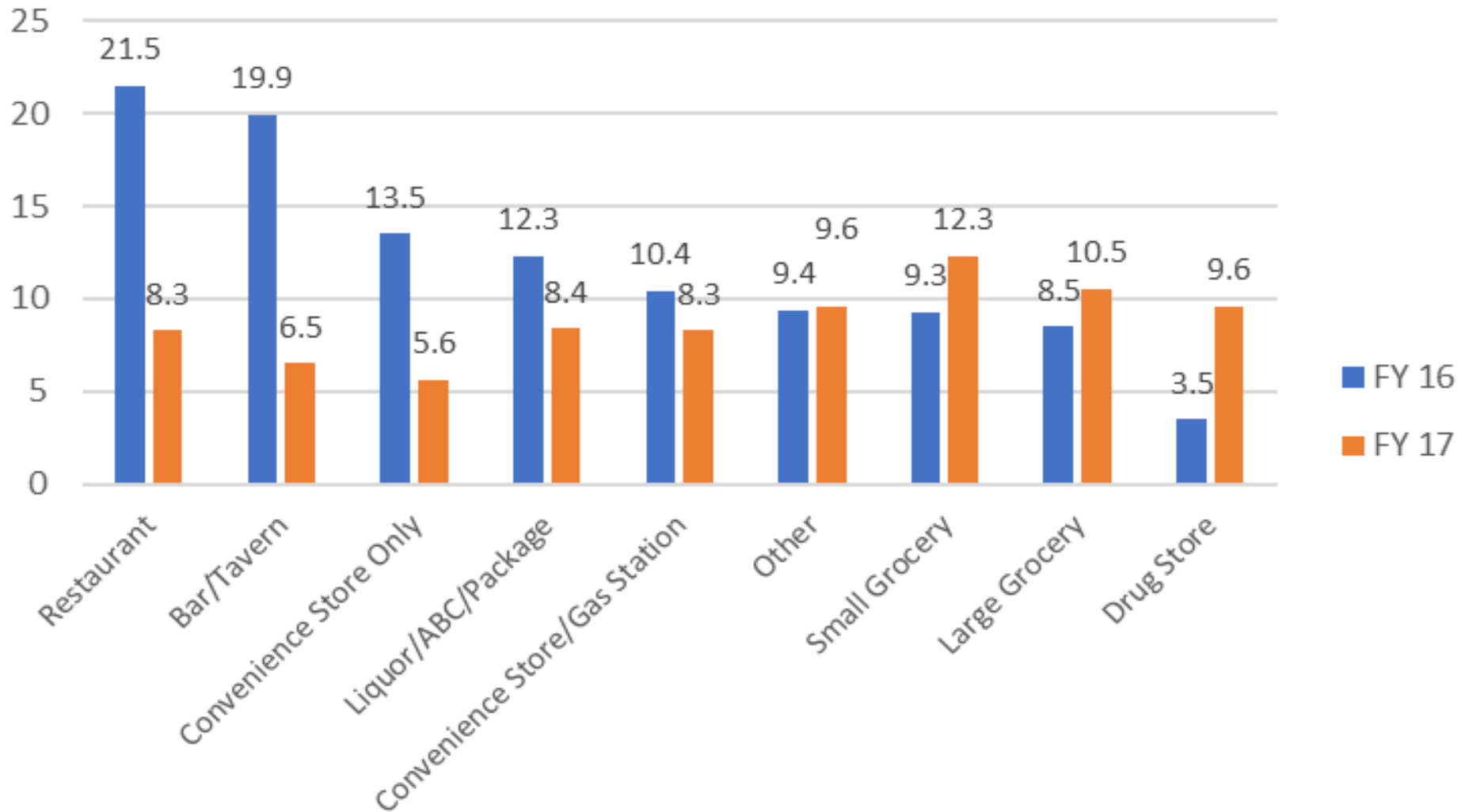
# Alcohol Merchant Practices



# Tobacco Merchant Practices



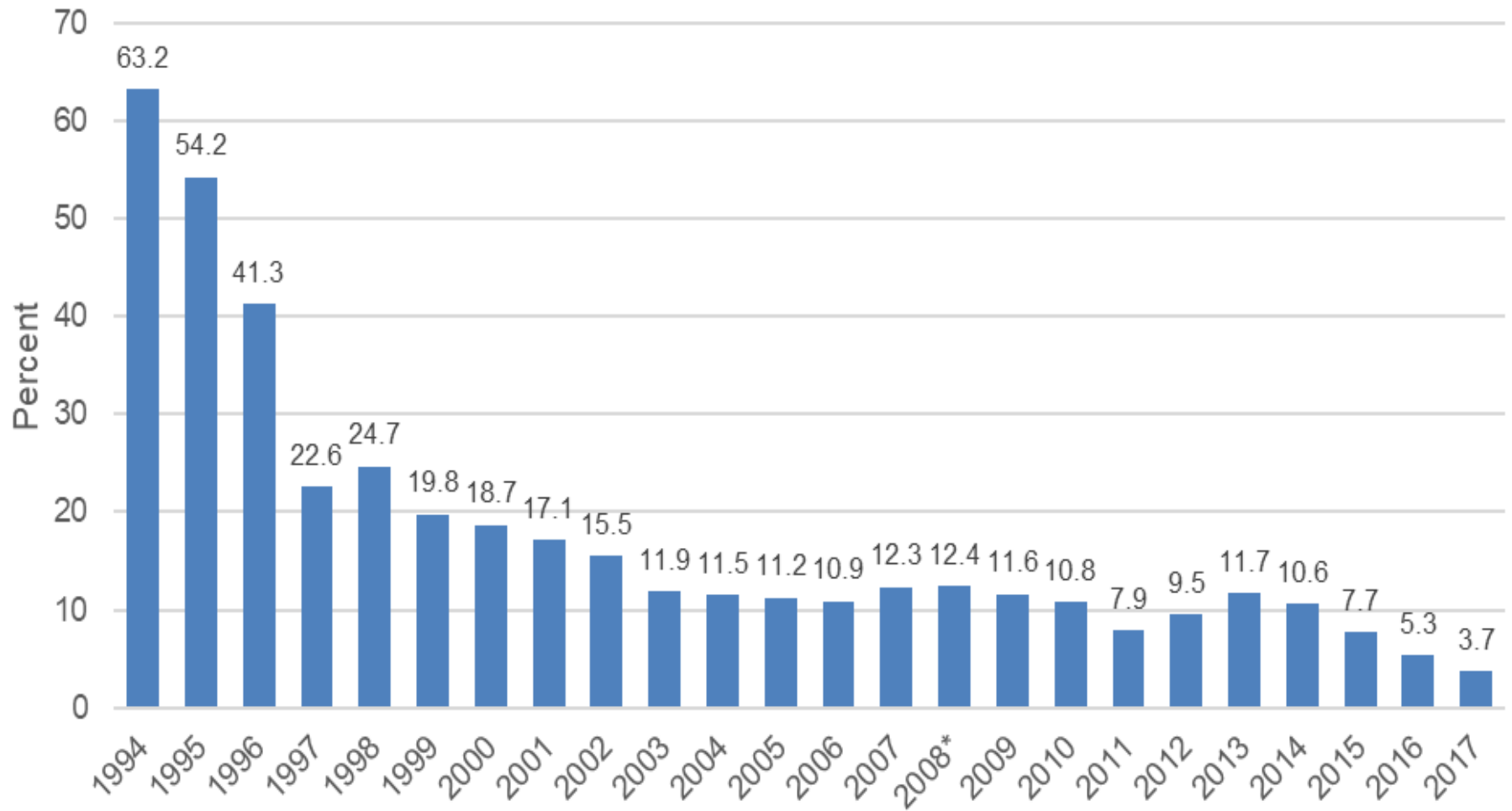
# Percentage of Completed Sales by Type of Business





**SYNAR**

# YATS (Synar) Cigarette Purchase Rates (FY 1994-2017)

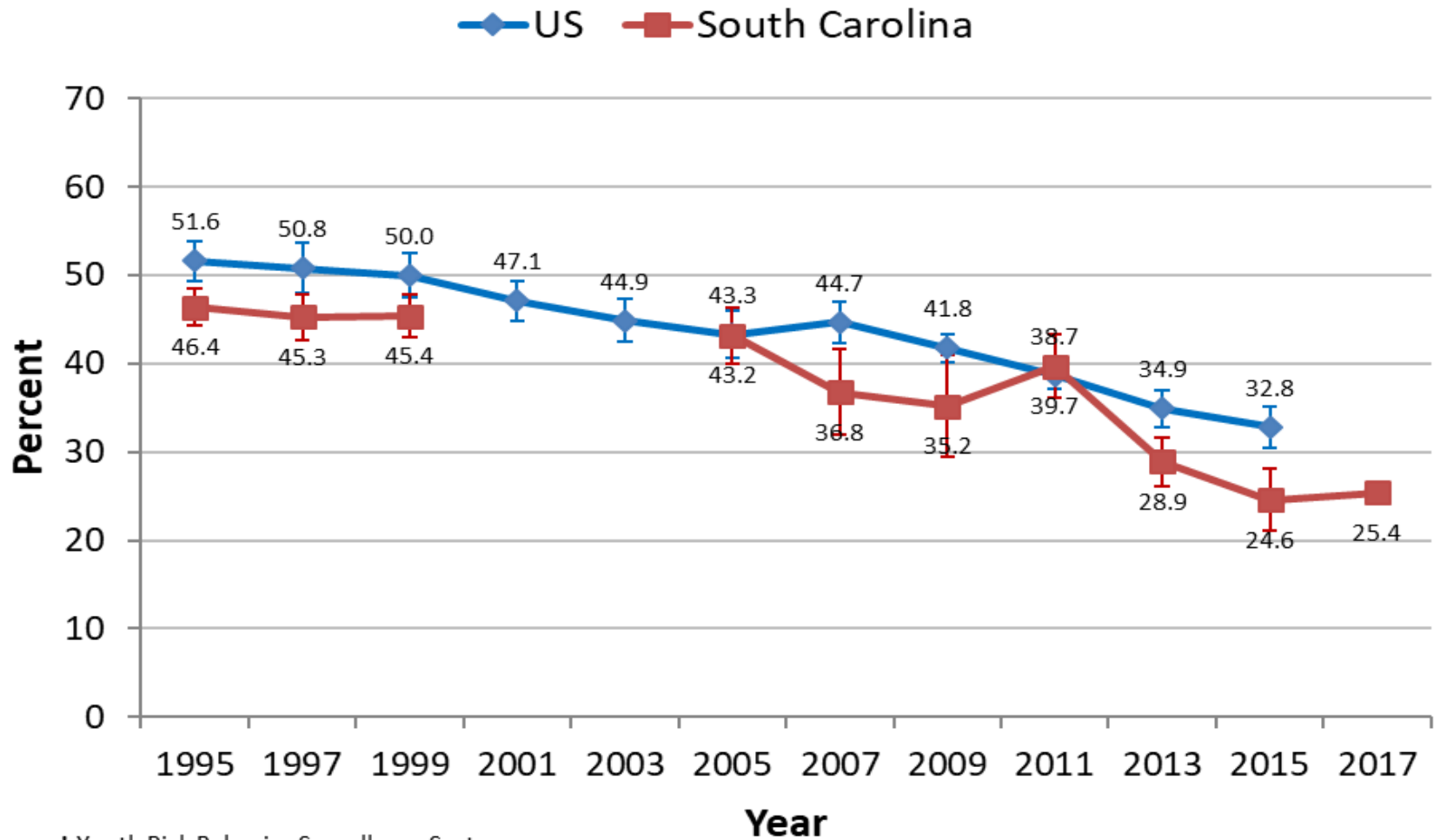




# **STATEWIDE YOUTH SUBSTANCE USE**

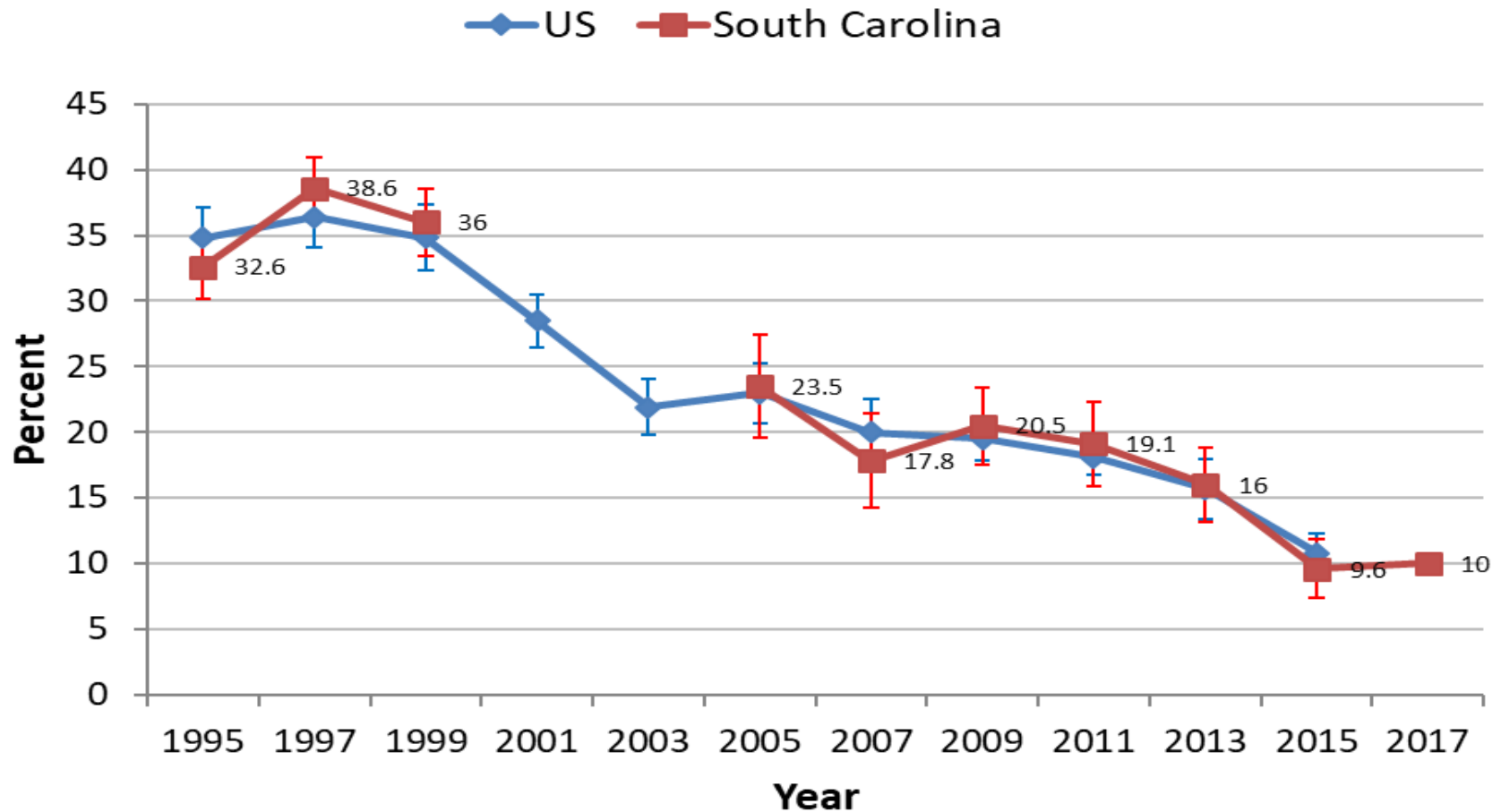


# Past 30-Day Alcohol, High School



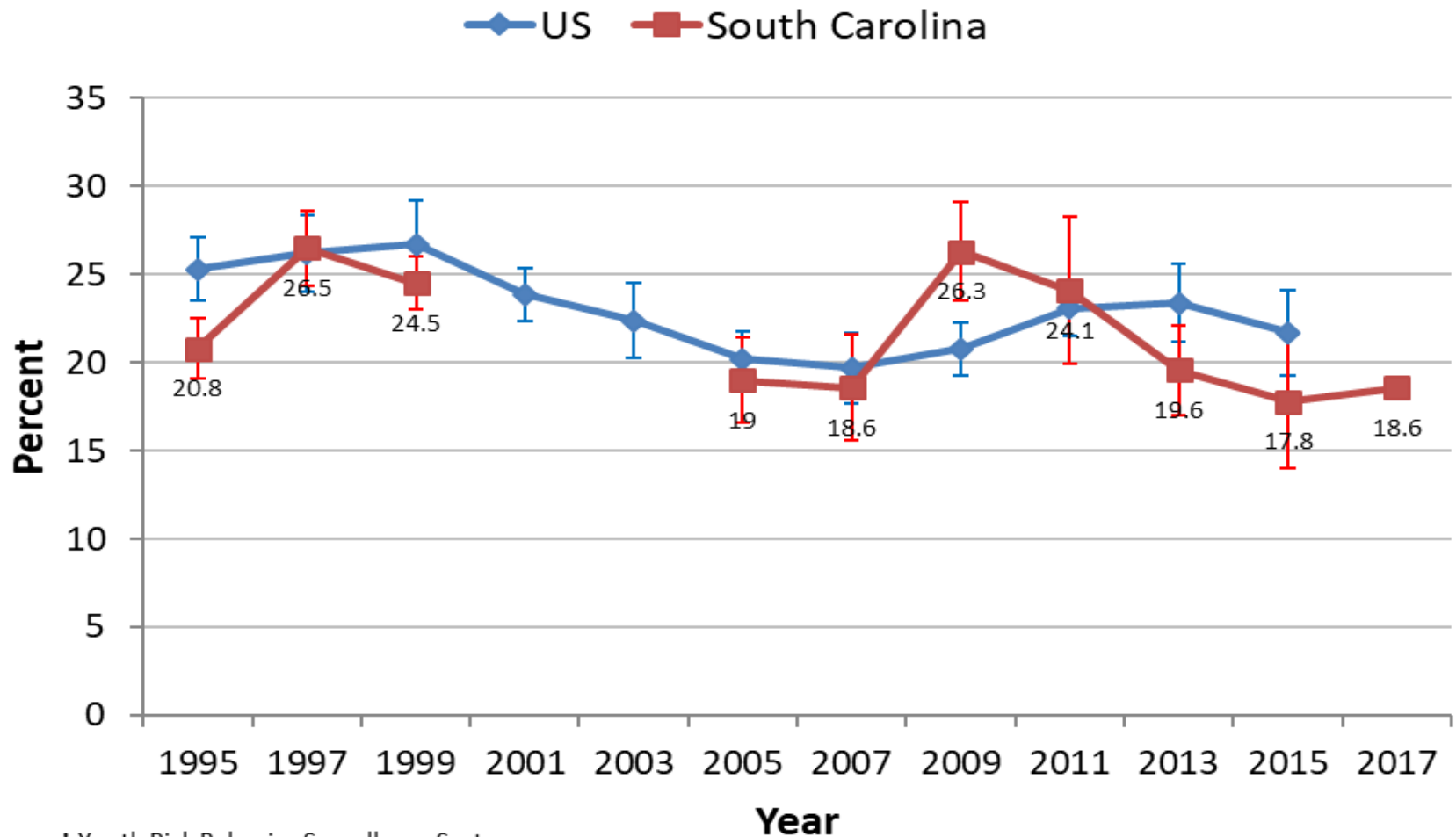
Source: Youth Risk Behavior Surveillance System

# Past 30-Day Cigarette, HS



Source: Youth Risk Behavior Surveillance System

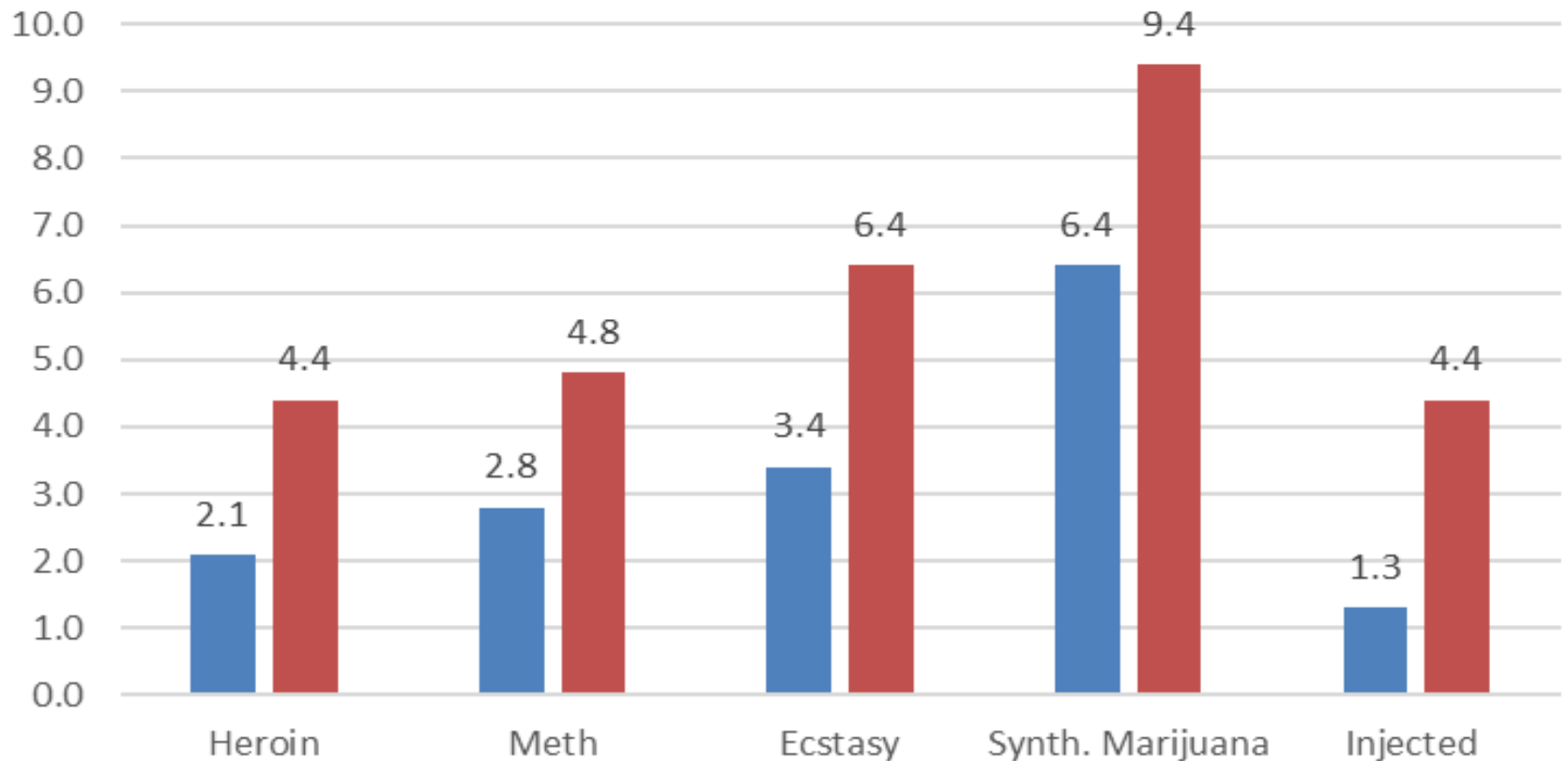
# Past 30-Day Marijuana, HS



Source: Youth Risk Behavior Surveillance System

# Lifetime Drug Use, HS

■ 2015 ■ 2017



# Discussion Questions

- Why less impact of Life Skills on substance use variables?
- Why uptick in HS substance use?
- What changes are you seeing in your communities around substance use, particularly related to Rx opioids and illegal opioids?