



NCAA National Study on Substance Use Habits of College Student-Athletes

June 2018

Table of Contents

Summary of Findings	<u>7</u>
Historical Use Trends: Social Drug Use	<u>31</u>
Historical Use Trends: Illicit Drug Use	<u>35</u>
Historical Use Trends: Ergogenic Aid Use	<u>39</u>
Current Substance Use by Demographic	<u>43</u>
Current Substance Use Experiences	<u>51</u>
Divisional Breakouts: Division I Use	<u>66</u>
Divisional Breakouts: Division II Use	<u>76</u>
Divisional Breakouts: Division III Use	<u>86</u>
Drug Testing Beliefs	<u>96</u>
Medication Use	<u>99</u>
Performance Enhancers and Dietary Supplements	<u>102</u>

Methodology

Survey Administration:

- All active NCAA member institutions were asked to survey one to three teams on campus during spring 2017.
- The teams to be surveyed were determined by a stratified random sampling procedure conducted by the NCAA.
- Detailed materials and instructions for survey administration were provided to the Faculty Athletics Representative (FAR) to ensure anonymity of the data and protection of student-athlete participants.
- The FAR was instructed to give the paper survey to all members of a specific team on the same occasion in a classroom-type setting in an attempt to standardize administration methods across institutions.

Methodology

Data Collection:

- The survey data were entered into a database by a third-party vendor and then forwarded to the NCAA. The vendor destroyed the paper surveys after the NCAA received and approved the final data.
- It is estimated that more than 60% of NCAA member schools participated in the 2017 study. The final number of respondents was 23,028 (13,112 men and 9,916 women). Number of responses by division: Division I = 8,562, Division II = 6,331 and Division III = 8,135.
- The NCAA Substance Use study has been conducted at four-year intervals since 1985.

Analysis:

- This year's data and previous data were weighted based on 2009 participation rates to more accurately reflect possible trends.
- When this report cites non-athlete data, we have used comparison data from the Core Institute Alcohol and Drug Survey (Core) and the Monitoring the Future (MTF) Survey.

Survey Instrument

Survey sections:

- Demographic information.
- Substance use experience.
- Performance enhancers and dietary supplements.
- Drug testing beliefs.

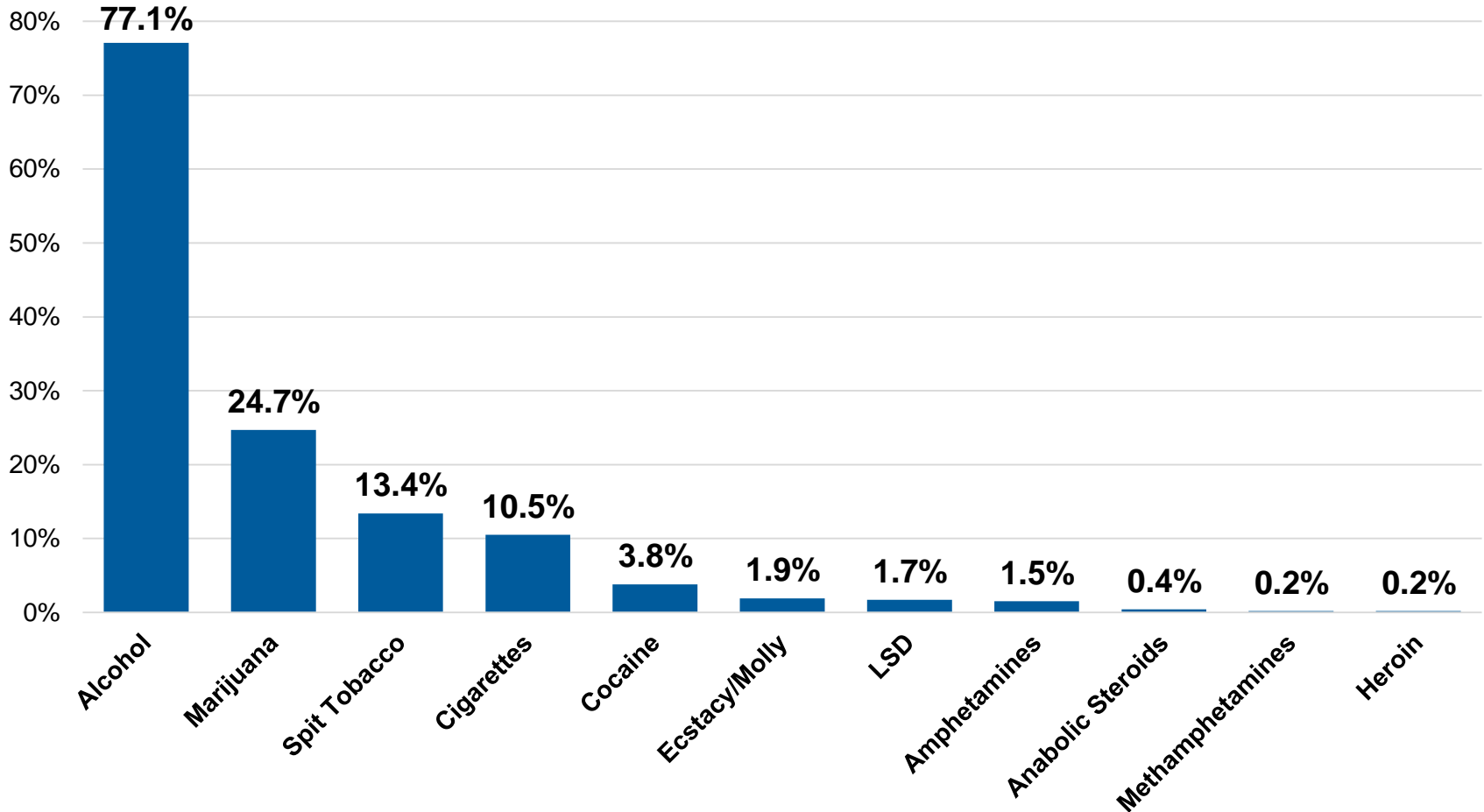
Questions about the following drugs were included in the survey:

- Alcohol and tobacco products.
- Illicit drugs: Cocaine, ecstasy/molly, heroin, LSD, marijuana, methamphetamine.
- Ergogenic aids: Amphetamines, anabolic steroids, human growth hormone (HGH).
- Over-the-counter medications and prescription drugs.

Summary Of Findings

Substance Use

Within the Last Year



Student-Athlete Use Within the Last Year Compared to National Data (Similar Age)

	NCAA [2017]	CORE [2013]	MTF [2016]
Alcohol	77.1%	81.3%	78.9%
Cigarettes	10.5%	-	18.7%
Marijuana*	24.7%	32.5%	39.3%
Amphetamines*	1.5%	5.4%	9.8%
Anabolic Steroids*	0.4%	0.6%	-
Cocaine*	3.8%	4.1%	4.0%
Ecstasy*	1.9%	-	4.7%
Heroin*	0.2%	-	0.2%
LSD	1.7%	-	3.1%

*Substance banned for use by the NCAA.

For more information on the SIU Core Institute's Alcohol and Drug Survey data:

<http://core.siu.edu/>

SIUC/Core Institute. (2013). Core alcohol and drug survey long form: Executive summary. Retrieved from: https://core.siu.edu/_common/documents/2013.pdf

For more information on the Monitoring the Future data:

<http://www.monitoringthefuture.org/>

Schulenberg, J.E., Johnston, L.D., O'Malley, P.M., Bachman, J.G., Miech, R. A., Patrick, M.E. (2016). Monitoring the Future national survey results on drug use, 1975-2016: Volume II, college students & adults 19-55. Retrieved from: http://www.monitoringthefuture.org/pubs/monographs/mtf-vol2_2016.pdf

Alcohol Use

- Overall, 77% of student-athletes reported drinking alcohol in the last year. This number is down slightly from previous years and mirrors the percentage of non-athletes that drink (81%, Core study; 79%, MTF study). 36% of student-athletes reported drinking on a weekly basis and nearly 2% reported drinking daily.
- 42% of all student-athletes said they engage in binge drinking (4 or more drinks for women, 5 or more drinks for men in one sitting). However, binge drinking has decreased since 2009.
- Over one quarter of all students-athletes reported having experienced the following as a consequence of drinking alcohol within the last year:
 - Had a hangover (52%).
 - Forgot where you were or what you did (28%).
 - Done something you later regretted (25%).
- The highest rates of reported binge drinking by sport were in lacrosse (69% among men, 57% for women), hockey (men 64%, women 56%) and swimming (men 55%, women 49%).

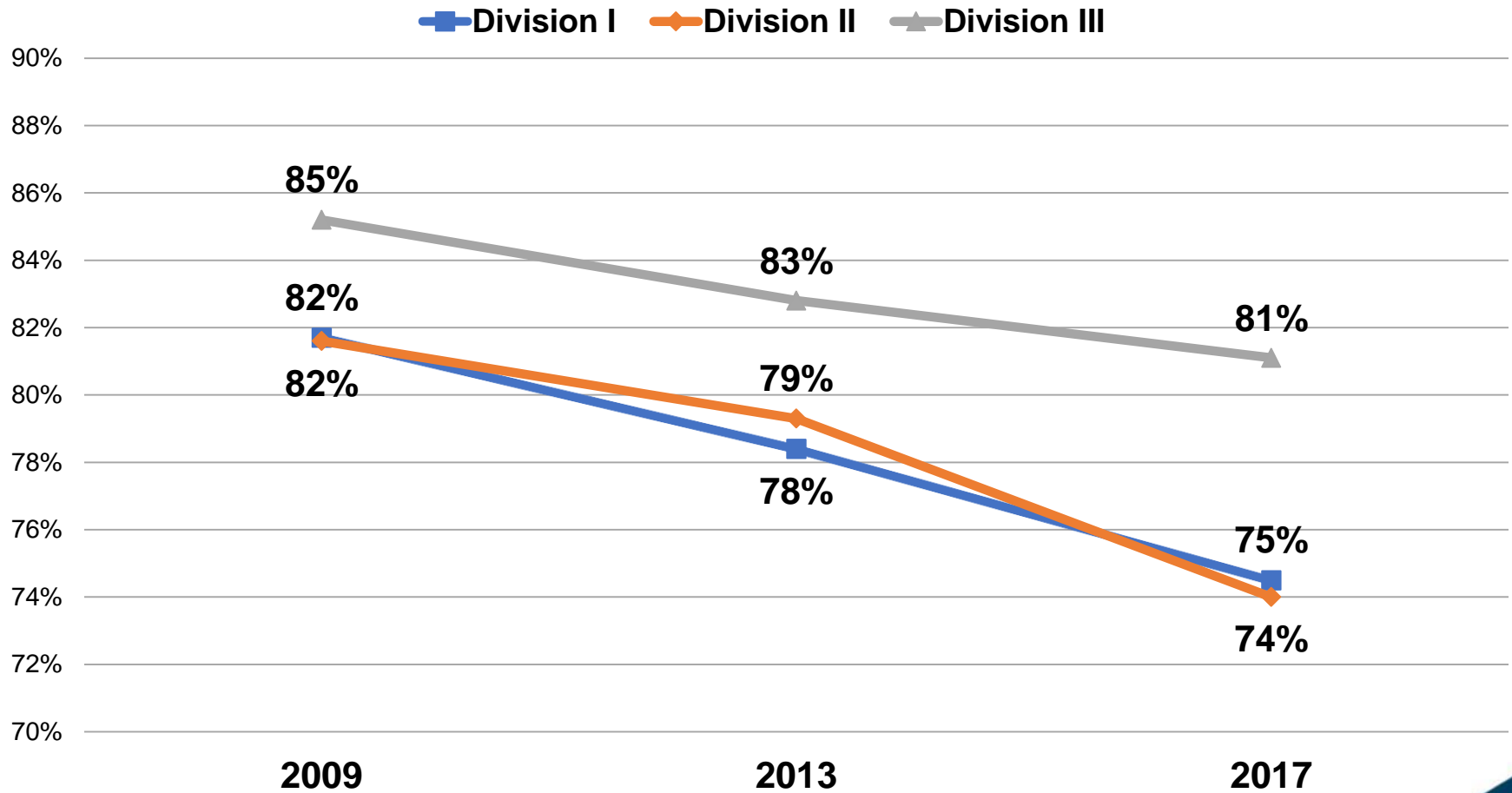
Alcohol Use and Binge Drinking by Gender

Alcohol Use in the Last Year			
Year	Overall	Men	Women
2009	83%	83%	83%
2013	80%	80%	81%
2017	77%	76%	79%

Binge Drinking (4+ drinks for women, 5+ drinks for men in one sitting)			
Year	Overall	Men	Women
2009	55%	58%	51%
2013	51%	54%	47%
2017	42%	44%	39%

Alcohol Use by Division

Within the Last Year

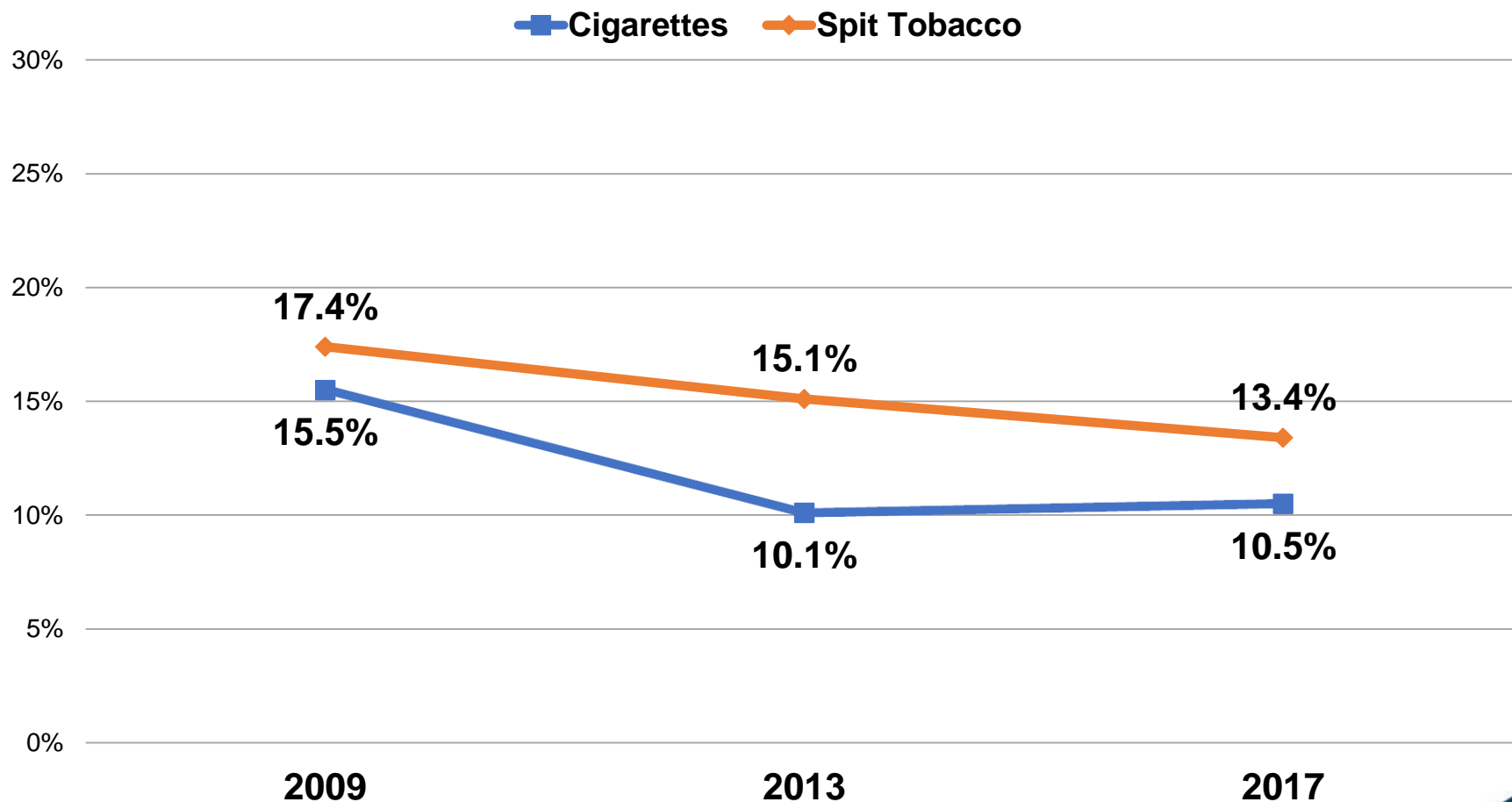


Tobacco/Nicotine Use

- The most frequently used smoked tobacco products were cigars (17% of student-athletes smoked at least once in the last year), followed by cigarettes (11%) and hookah (10%). Cigarette use is lower among student-athletes than non-athletes (19%, MTF). 8% of student-athletes reported using e-cigarettes.
- In the past year, 13% of student-athletes reported using spit tobacco at least once. 5% of all student-athletes reported using spit tobacco daily.
- Although spit tobacco use has decreased slightly, 46% of players in men's ice hockey and 44% in baseball reported using the product in the last year. Nearly 20% from each sport reported that they use it daily. Among women's sports, ice hockey players used spit tobacco at the highest rate (13%).

Tobacco/Nicotine Use

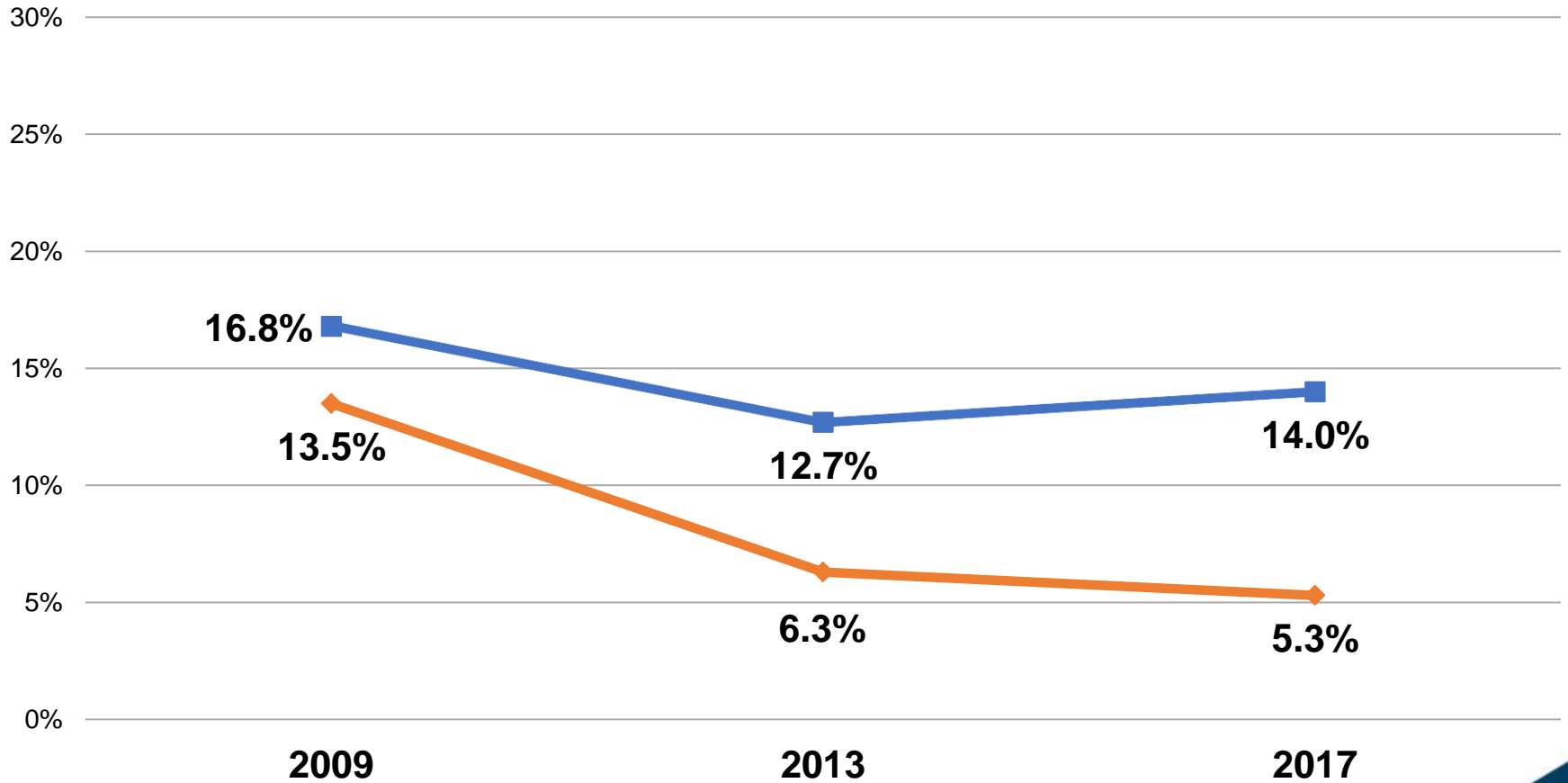
Within the Last Year



Cigarette Use by Gender

Within the Last Year

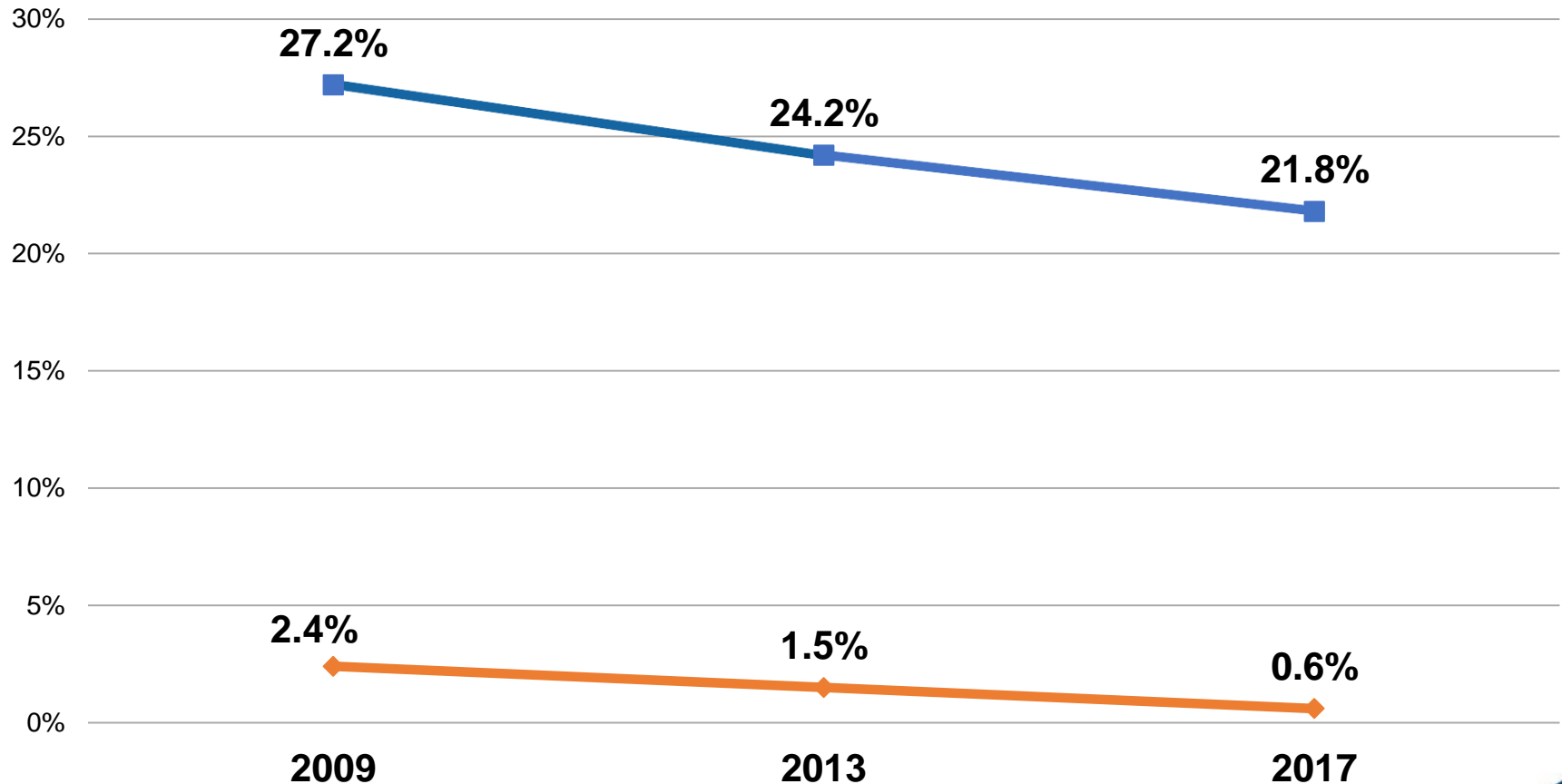
Men Women



Spit Tobacco Use by Gender

Within the Last Year

Men Women



Marijuana Use

- Self-reported marijuana use is lower among student-athletes (25% use by inhaling or ingesting) than the non-athlete college population (33%, Core; 39%, MTF).
- 24% of student-athletes reported inhaling marijuana in the last year (compared with 22% reporting marijuana use in 2013). 11% of student-athletes reported using edible forms of marijuana.
- 77% of marijuana users reported doing so for social reasons. 19% said they use it for pain management.
- Marijuana use was higher among student-athletes who identified living in a state where it is legal for recreational or medical use (39% vs. 26% in states where it is not legal).
- At the sport level, marijuana use was highest among men (50%) and women (34%) lacrosse players.
- Division III student-athletes continue to be the highest reported users of marijuana.

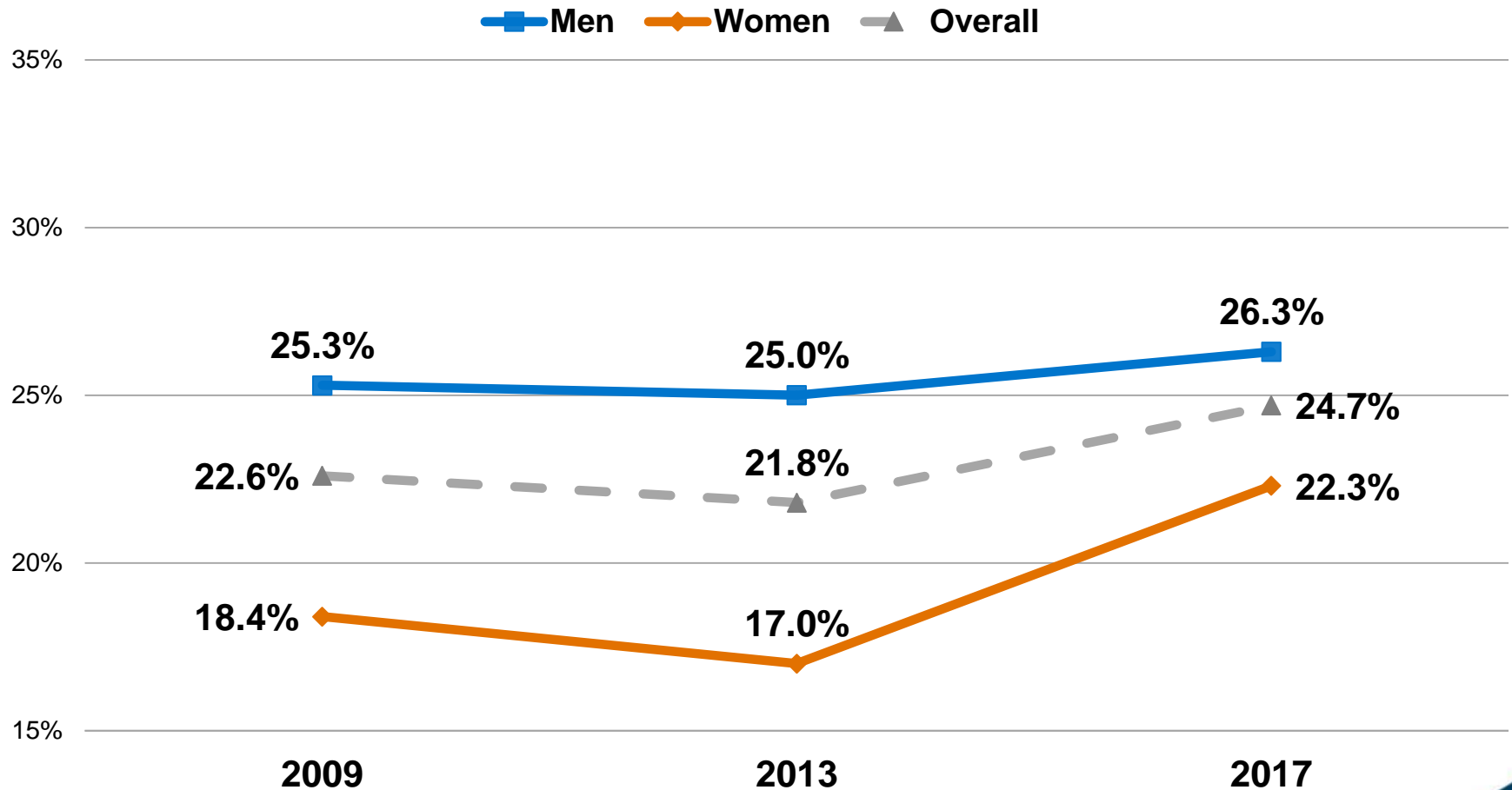
Rates of Past-Year Marijuana Use as a Function of Laws in the State Where College Is Located

Method	Marijuana was legal for recreational and/or medical use	Marijuana was not legal in this state	I don't know
Marijuana use (combined inhaling and ingesting)	38.7%	26.1%	14.2%
Inhale	37.2%	25.4%	13.5%
Ingest	20.5%	11.2%	5.6%
Skin application	2.4%	0.9%	0.7%

Notes: This table indicates, for example, 38.7% usage in the past year for student-athletes in states where marijuana was legal for recreational or medical use (versus 26.1% in states where it is not legal). Category Ns – legal for recreational and/or medical = 3,478; not legal = 12,198; don't know = 6,183.

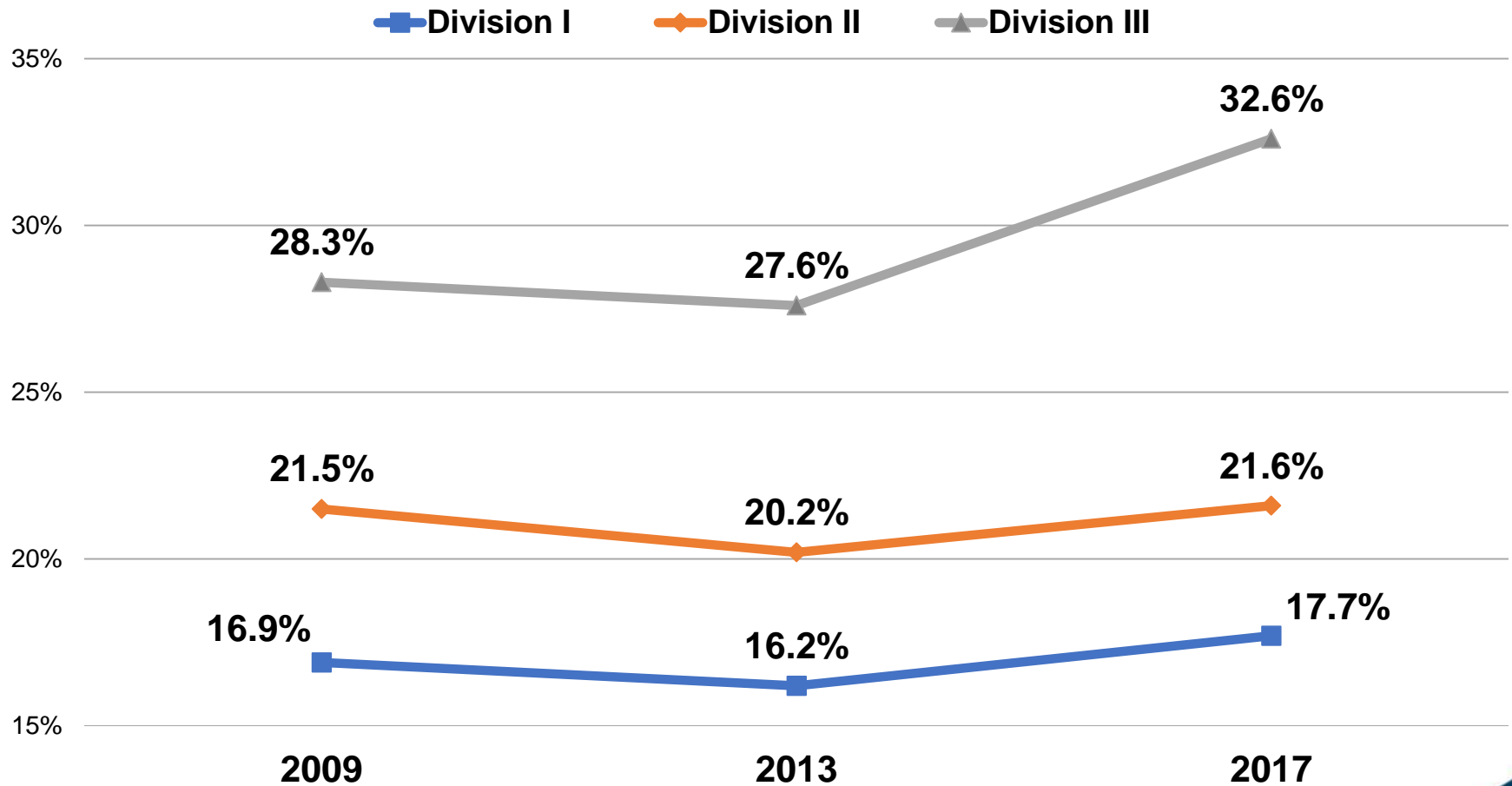
Marijuana Use by Gender

Within the Last Year



Marijuana Use by Division

Within the Last Year



Frequency of Marijuana Use

Method	Never used	Daily	Weekly	Monthly	In the last year*	Used, but not in the last year
Inhale	65.7%	2.5%	2.9%	3.9%	14.5%	10.5%
Ingest	82.2%	0.3%	0.5%	1.9%	8.4%	6.8%
Skin application	97.9%	0.2%	0.1%	0.1%	0.7%	1.0%
Synthetic “marijuana”	97.5%	0.1%	0.0%	0.1%	0.5%	1.8%

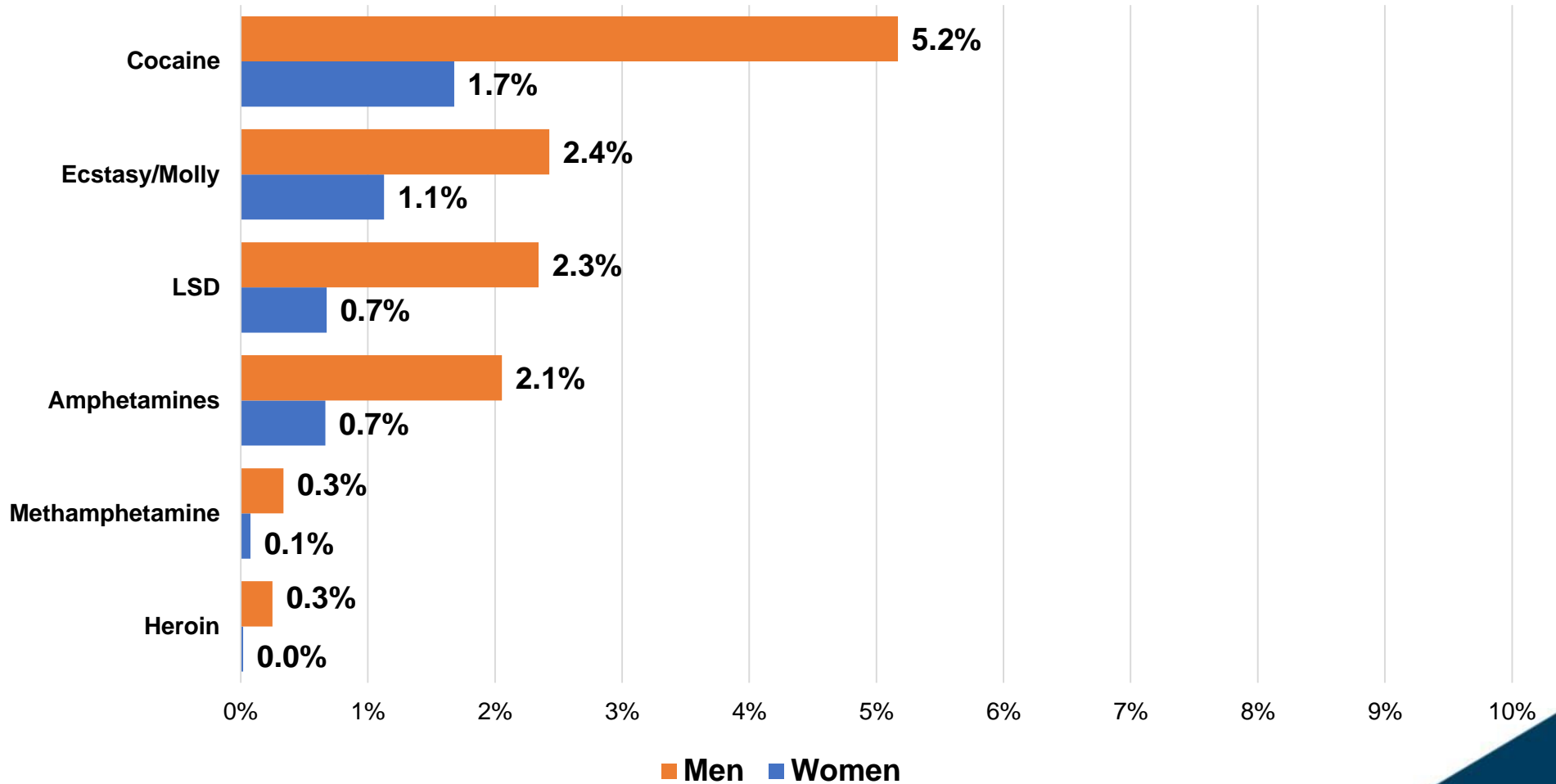
*Not cumulative, indicates frequency less than a monthly basis.

Other Illicit Drug Use

- Reported use of amphetamines among student-athletes (2%) is lower than among non-athletes (5%, CORE; 10%, MTF). Student-athlete amphetamine use has dropped since 2013.
- Reported cocaine use among student-athletes is similar to that of non-athletes (4% use in the last year). Lacrosse athletes have the highest rates of cocaine usage in both men's (22% reported using at least once in the last year) and women's sports (6%).

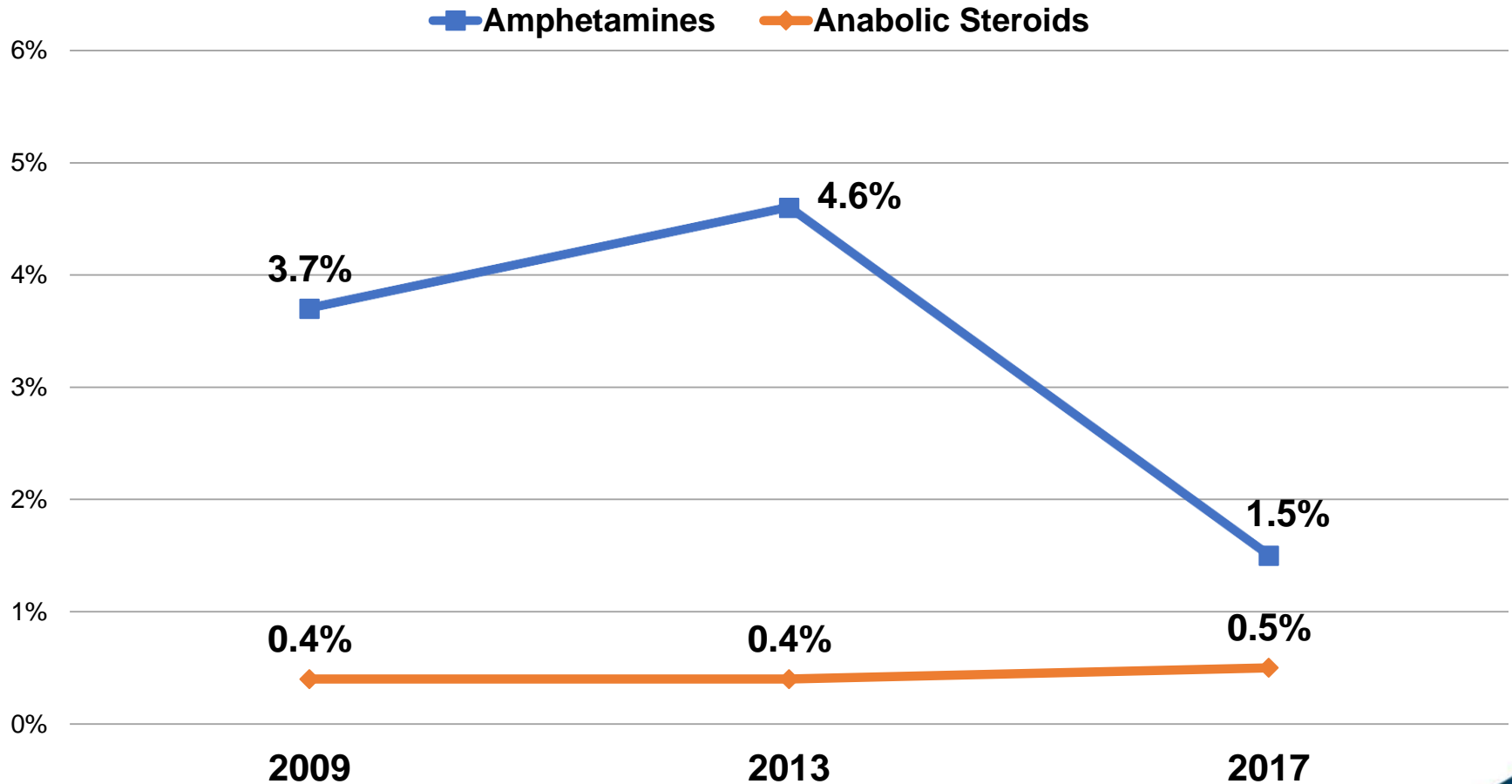
Other Illicit Drug Use

Within the Last Year



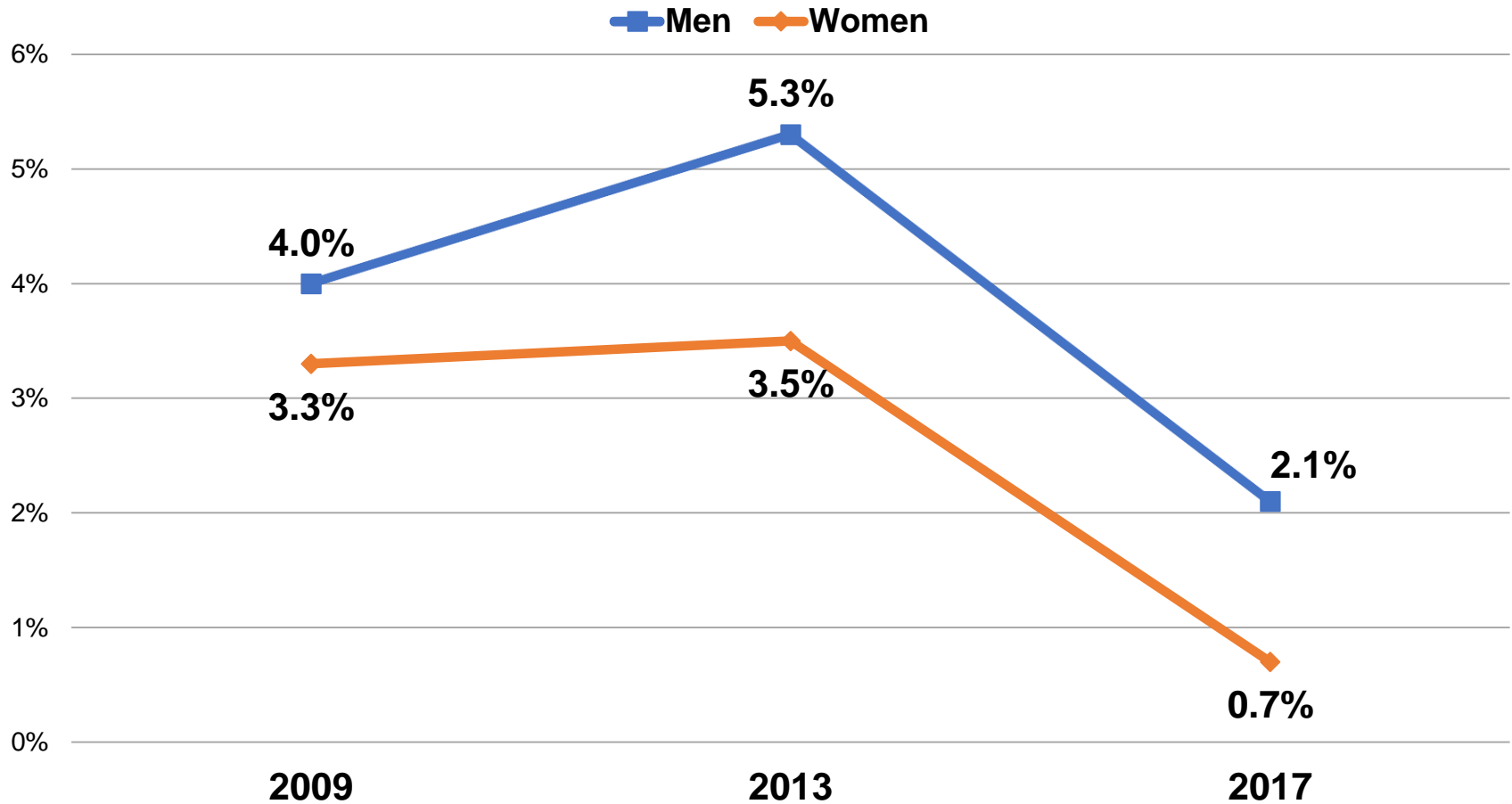
Ergogenic Aid Use

Within the Last Year



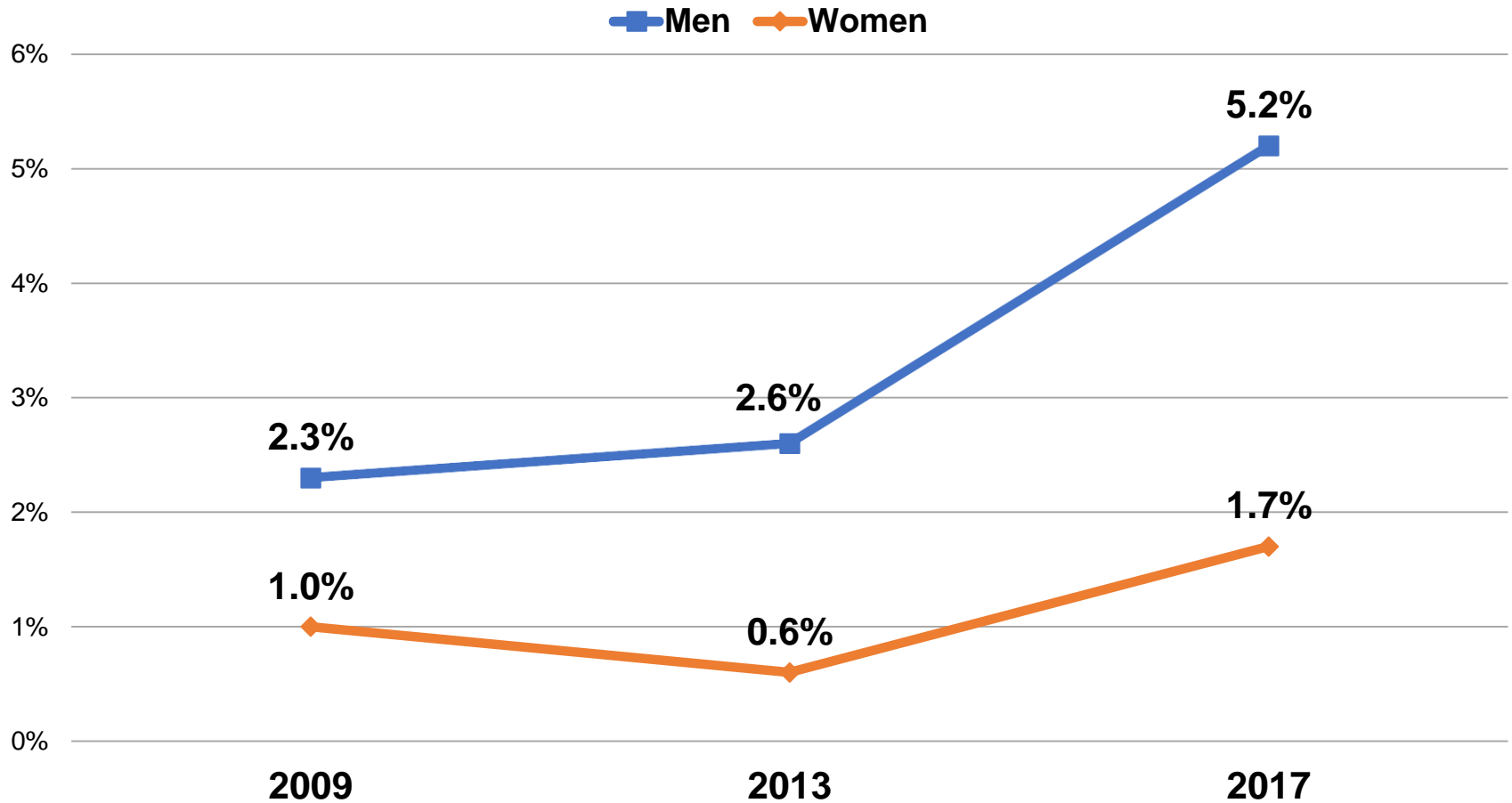
Amphetamine Use by Gender

Within the Last Year



Cocaine Use by Gender

Within the Last Year



Medication Use

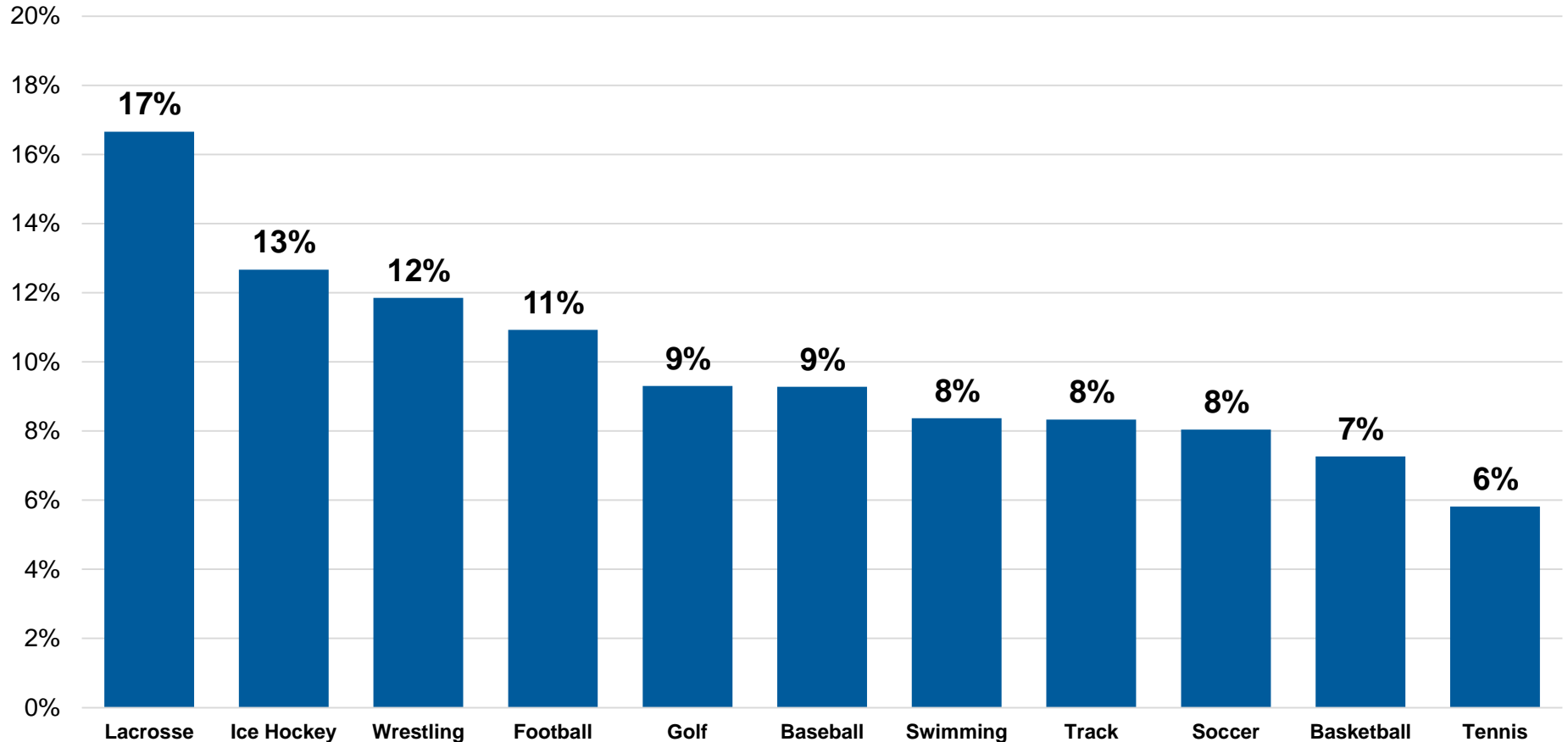
- 11% of student-athletes reported using narcotic pain medication with a prescription, down from 18% in 2013. Three percent of student-athletes reported using narcotic pain medication without a prescription, also down from the previous survey (6% in 2013). 2% of student-athletes reported misusing narcotic pain medication.
- Women's gymnastics student-athletes (18%) were the highest users of narcotic pain medication.
- Reported ADHD stimulant use without a prescription (8%) was higher than use with a prescription (7%). Use with a prescription has increased slightly and use without a prescription has decreased slightly. 6% of student-athletes reported misusing ADHD stimulants.

Medication Use

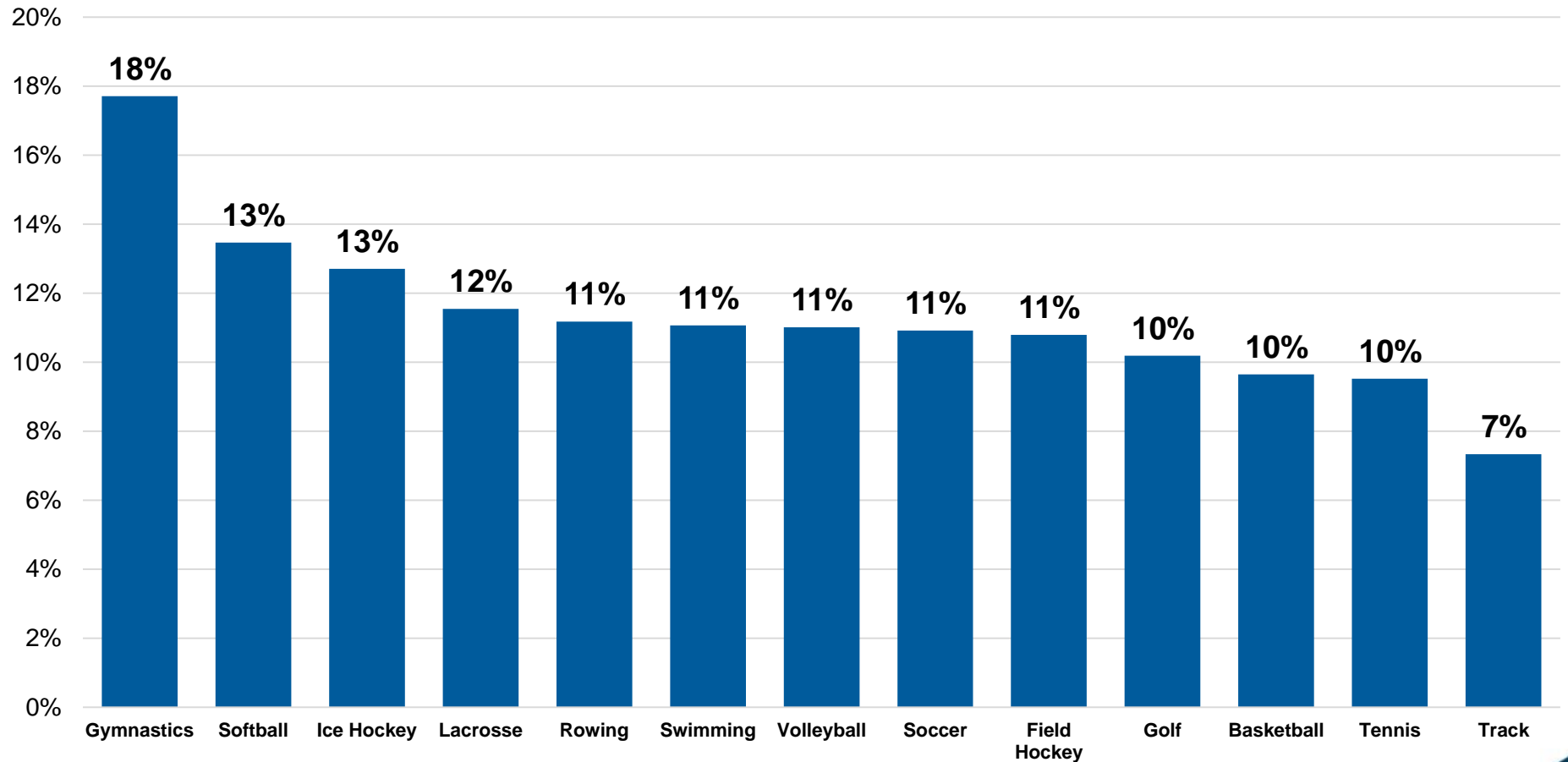
Narcotic Pain Medication <i>Used in the Last Year</i>			
	2009	2013	2017
WITH a prescription	13.7%	18.0%	10.5%
WITHOUT a prescription	5.1%	5.8%	2.9%

ADHD Stimulants <i>Used in the Last Year</i>			
	2009	2013	2017
WITH a prescription	4.5%	5.7%	6.6%
WITHOUT a prescription	6.7%	8.7%	7.5%

Narcotic Pain Medication Use by Men's Sport



Narcotic Pain Medication Use by Women's Sport



HISTORICAL USE TRENDS: SOCIAL DRUG USE

PATTERNS OF SOCIAL DRUG USE IN THE LAST YEAR OVERALL AND BY GENDER

Overall			
Year	Alcohol	Cigarettes	Spit Tobacco
2009	83.1%	15.5%	17.4%
2013	80.4%	10.1%	15.1%
2017	77.1%	10.5%	13.4%
Men			
Year	Alcohol	Cigarettes	Spit Tobacco
2009	83.1%	16.8%	27.2%
2013	79.9%	12.7%	24.2%
2017	76.2%	14.0%	21.8%
Women			
Year	Alcohol	Cigarettes	Spit Tobacco
2009	83.1%	13.5%	2.4%
2013	81.3%	6.3%	1.5%
2017	78.5%	5.3%	0.6%

PATTERNS OF SOCIAL DRUG USE IN THE LAST YEAR BY MEN'S SPORTS

Sport	Alcohol			Cigarettes			Spit Tobacco		
	2009	2013	2017	2009	2013	2017	2009	2013	2017
Baseball	88%	86%	81%	19%	15%	16%	52%	48%	44%
Basketball	75%	73%	68%	9%	6%	7%	11%	9%	8%
Football	83%	75%	72%	15%	10%	11%	28%	23%	22%
Golf	91%	88%	88%	33%	21%	23%	31%	30%	23%
Ice Hockey	96%	97%	93%	25%	24%	23%	54%	50%	46%
Lacrosse	95%	93%	88%	32%	24%	38%	41%	40%	35%
Soccer	87%	82%	81%	17%	14%	15%	16%	14%	12%
Swimming	86%	86%	84%	17%	17%	19%	13%	15%	12%
Tennis	86%	82%	77%	23%	15%	16%	11%	10%	8%
Track	70%	74%	67%	8%	6%	9%	9%	9%	9%
Wrestling	84%	76%	78%	17%	11%	13%	48%	37%	33%

PATTERNS OF SOCIAL DRUG USE IN THE LAST YEAR BY WOMEN'S SPORTS

Sport	Alcohol			Cigarettes			Spit Tobacco		
	2009	2013	2017	2009	2013	2017	2009	2013	2017
Basketball	79%	75%	71%	11%	4%	3%	2%	1%	1%
Rowing	90%	87%	86%	13%	9%	6%	1%	<1%	1%
Field Hockey	94%	88%	85%	16%	6%	6%	3%	2%	<1%
Golf	90%	81%	74%	26%	11%	8%	3%	1%	1%
Gymnastics	N/A	74%	78%	N/A	2%	1%	N/A	<1%	<1%
Ice Hockey	95%	93%	91%	25%	8%	9%	15%	12%	13%
Lacrosse	95%	92%	92%	18%	13%	10%	3%	2%	1%
Softball	88%	79%	79%	17%	10%	6%	6%	4%	2%
Soccer	86%	84%	84%	15%	5%	5%	2%	2%	1%
Swimming	86%	85%	86%	14%	7%	6%	2%	1%	1%
Tennis	82%	85%	79%	15%	8%	9%	1%	<1%	<1%
Track	69%	74%	65%	4%	3%	3%	1%	1%	<1%
Volleyball	87%	84%	84%	16%	6%	6%	3%	1%	<1%

Note: N/A – sample size was too small to report.

HISTORICAL USE TRENDS: ILLICIT DRUG USE

PATTERNS OF ILLICIT DRUG USE IN THE LAST YEAR OVERALL AND BY GENDER

Overall			
Year	Cocaine	Marijuana	Synthetic Marijuana
2009	1.8%	22.6%	N/A
2013	1.8%	21.8%	1.6%
2017	3.8%	24.7%	0.7%
Men			
Year	Cocaine	Marijuana	Synthetic Marijuana
2009	2.3%	25.3%	N/A
2013	2.6%	25.0%	2.1%
2017	5.2%	26.3%	0.8%
Women			
Year	Cocaine	Marijuana	Synthetic Marijuana
2009	1.0%	18.4%	N/A
2013	0.6%	17.0%	0.7%
2017	1.7%	22.3%	0.5%

Note: N/A – data not available.

PATTERNS OF ILLICIT DRUG USE IN THE LAST YEAR BY MEN'S SPORTS

Sport	Cocaine			Marijuana			Synthetic Marijuana	
	2009	2013	2017	2009	2013	2017	2013	2017
Baseball	1%	2%	4%	22%	24%	24%	3%	1%
Basketball	1%	1%	2%	22%	20%	23%	1%	1%
Football	2%	2%	4%	27%	22%	25%	2%	1%
Golf	3%	1%	5%	23%	21%	19%	1%	1%
Ice Hockey	4%	6%	7%	27%	29%	25%	1%	1%
Lacrosse	10%	10%	22%	49%	48%	50%	3%	2%
Soccer	3%	4%	6%	29%	28%	27%	3%	<1%
Swimming	2%	2%	7%	27%	32%	35%	3%	1%
Tennis	2%	2%	4%	23%	20%	26%	2%	1%
Track	1%	2%	2%	16%	21%	23%	1%	<1%
Wrestling	4%	4%	7%	28%	23%	29%	1%	2%

PATTERNS OF ILLICIT DRUG USE IN THE LAST YEAR BY WOMEN'S SPORTS

Sport	Cocaine			Marijuana			Synthetic Marijuana	
	2009	2013	2017	2009	2013	2017	2013	2017
Basketball	1%	<1%	1%	15%	15%	18%	1%	1%
Rowing	1%	<1%	2%	24%	24%	22%	2%	<1%
Field Hockey	2%	1%	1%	36%	21%	29%	1%	<1%
Golf	<1%	<1%	1%	19%	9%	15%	<1%	<1%
Gymnastics	N/A	<1%	<1%	N/A	6%	11%	<1%	<1%
Ice Hockey	2%	1%	4%	31%	25%	29%	1%	1%
Lacrosse	4%	1%	6%	30%	23%	34%	1%	1%
Softball	1%	1%	1%	18%	13%	20%	1%	1%
Soccer	1%	1%	2%	23%	21%	27%	1%	1%
Swimming	1%	1%	3%	20%	22%	26%	1%	<1%
Tennis	1%	<1%	2%	16%	14%	18%	<1%	<1%
Track	<1%	1%	1%	9%	13%	15%	1%	<1%
Volleyball	1%	<1%	2%	19%	18%	27%	1%	1%

Note: N/A – sample size was too small to report.

HISTORICAL USE TRENDS: ERGOGENIC AID USE

PATTERNS OF ERGOGENIC AID USE IN THE LAST YEAR OVERALL AND BY GENDER

Overall		
Year	Amphetamines	Anabolic Steroids
2009	3.7%	0.4%
2013	4.6%	0.4%
2017	1.5%	0.4%
Men		
Year	Amphetamines	Anabolic Steroids
2009	4.0%	0.5%
2013	5.3%	0.7%
2017	2.1%	0.6%
Women		
Year	Amphetamines	Anabolic Steroids
2009	3.3%	0.2%
2013	3.5%	0.1%
2017	0.7%	0.1%

PATTERNS OF ERGOGENIC AID USE IN THE LAST YEAR BY MEN'S SPORTS

Sport	Amphetamines			Anabolic Steroids		
	2009	2013	2017	2009	2013	2017
Baseball	4.2%	7.9%	2.9%	0.6%	0.7%	1.1%
Basketball	1.9%	2.3%	0.5%	0.2%	0.4%	0.1%
Football	3.9%	3.9%	1.5%	0.8%	0.8%	0.8%
Golf	3.2%	5.7%	2.0%	0.9%	0.3%	0.4%
Ice Hockey	6.9%	8.0%	2.6%	0.3%	1.1%	0.0%
Lacrosse	12.2%	11.1%	6.7%	1.1%	0.6%	0.7%
Soccer	4.3%	5.4%	2.0%	0.2%	0.9%	0.4%
Swimming	3.9%	5.7%	2.3%	0.0%	0.2%	0.1%
Tennis	3.5%	3.1%	1.8%	0.6%	0.0%	0.2%
Track	1.4%	2.5%	1.5%	0.4%	0.2%	0.3%
Wrestling	7.6%	11.0%	3.2%	0.0%	0.5%	1.9%

PATTERNS OF ERGOGENIC AID USE IN THE LAST YEAR BY WOMEN'S SPORTS

Sport	Amphetamines			Anabolic Steroids		
	2009	2013	2017	2009	2013	2017
Basketball	2.0%	2.8%	0.4%	0.3%	0.0%	0.1%
Rowing	4.8%	2.8%	0.0%	0.2%	0.4%	0.0%
Field Hockey	5.9%	5.1%	1.2%	0.0%	0.3%	0.0%
Golf	2.7%	2.6%	1.7%	0.0%	0.0%	0.0%
Gymnastics	N/A	3.9%	1.1%	N/A	0.7%	0.0%
Ice Hockey	10.7%	5.6%	1.3%	0.0%	0.5%	0.0%
Lacrosse	9.7%	6.7%	1.9%	0.2%	0.2%	0.0%
Softball	2.3%	5.2%	0.5%	0.2%	0.0%	0.1%
Soccer	5.2%	4.4%	0.5%	0.1%	0.3%	0.2%
Swimming	2.7%	2.8%	0.5%	0.4%	0.1%	0.0%
Tennis	2.8%	2.9%	0.6%	0.2%	0.0%	0.2%
Track	1.1%	1.2%	0.7%	0.2%	0.2%	0.1%
Volleyball	3.2%	3.5%	0.4%	0.3%	0.1%	0.1%

Note: N/A – sample size was too small to report.

CURRENT SUBSTANCE USE BY DEMOGRAPHIC

CURRENT USE IN THE LAST YEAR BY ACADEMIC STANDING

	Freshman	Sophomore	Junior	Senior +
ADHD stimulants	9.7%	12.8%	14.6%	14.7%
Alcohol	69.6%	77.0%	81.6%	86.0%
Amphetamines	0.9%	1.3%	2.0%	2.4%
Anabolic steroids	0.4%	0.4%	0.5%	0.5%
Cigarettes	9.6%	10.6%	11.2%	11.1%
Cigars	16.5%	16.6%	17.5%	16.9%
Cocaine	2.3%	4.5%	4.3%	5.0%
E-cigarettes	10.0%	8.6%	7.0%	6.0%
Ecstasy/Molly	1.3%	2.2%	2.2%	2.2%
Heroin	0.1%	0.1%	0.3%	0.3%
Hookah	9.1%	10.2%	11.1%	10.3%

CURRENT USE IN THE LAST YEAR BY ACADEMIC STANDING

	Freshman	Sophomore	Junior	Senior +
Human growth hormone (HGH)	2.1%	2.2%	2.2%	2.3%
Injectable Toradol	2.5%	2.2%	2.4%	2.5%
LSD	1.4%	2.0%	1.7%	1.7%
Marijuana (combined)	23.9%	25.9%	24.8%	24.2%
Methamphetamine	0.2%	0.2%	0.3%	0.3%
Narcotic pain medication	8.7%	10.2%	10.8%	11.2%
NSAIDs	51.6%	55.7%	54.7%	58.5%
Spit tobacco	12.7%	12.4%	14.7%	14.5%
Synthetic marijuana	0.8%	0.5%	0.8%	0.7%
Tylenol or acetaminophen	44.4%	49.4%	49.6%	53.4%
Ultracet, Ultram or Tramadol	0.9%	0.9%	1.2%	1.9%

CURRENT USE IN THE LAST YEAR BY RACE/ETHNICITY

	American Indian or Alaskan Native	Asian or Asian American	Black or African American	Hispanic or Latino	Native Hawaiian or Pacific Islander	White	Multiracial	Other
<i>N</i>	262	574	4,089	1,527	230	16,664	708	325
ADHD stimulants	16%	11%	5%	10%	13%	15%	15%	8%
Alcohol	72%	72%	59%	71%	67%	83%	78%	60%
Amphetamines	1%	2%	1%	1%	1%	2%	2%	1%
Anabolic steroids	1%	<1%	<1%	<1%	2%	<1%	1%	1%
Cigarettes	11%	11%	3%	8%	8%	13%	8%	11%
Cigars	15%	12%	7%	10%	11%	20%	13%	14%
Cocaine	3%	4%	1%	3%	4%	4%	4%	4%
E-cigarettes	6%	10%	3%	6%	9%	10%	8%	7%
Ecstasy/Molly	1%	3%	1%	2%	3%	2%	3%	2%
Heroin	<1%	<1%	<1%	<1%	<1%	<1%	1%	<1%
Hookah	11%	10%	13%	13%	11%	9%	14%	16%

CURRENT USE IN THE LAST YEAR BY RACE/ETHNICITY

	American Indian or Alaskan Native	Asian or Asian American	Black or African American	Hispanic or Latino	Native Hawaiian or Pacific Islander	White	Multiracial	Other
<i>N</i>	262	574	4,089	1,527	230	16,664	708	325
Human growth hormone (HGH)	2%	2%	2%	2%	5%	2%	3%	2%
Injectable Toradol	1%	1%	2%	2%	5%	2%	2%	2%
LSD	3%	2%	1%	2%	1%	2%	2%	1%
Marijuana	24%	25%	20%	24%	24%	26%	28%	23%
Methamphetamine	<1%	1%	<1%	<1%	<1%	<1%	<1%	1%
Narcotic pain medication	12%	10%	7%	9%	14%	11%	14%	8%
NSAIDs	49%	52%	33%	46%	49%	61%	53%	35%
Spit tobacco	16%	9%	4%	9%	11%	16%	10%	11%
Synthetic marijuana	1%	1%	1%	<1%	1%	1%	1%	1%
Tylenol or acetaminophen	44%	46%	31%	43%	49%	54%	52%	30%
Ultracet, Ultram or Tramadol	1%	<1%	1%	1%	1%	1%	1%	<1%

CURRENT USE IN THE LAST YEAR BY AGE

	18-20	21+
ADHD stimulants	11.5%	14.6%
Alcohol	73.7%	84.1%
Amphetamines	1.1%	2.3%
Anabolic steroids	0.4%	0.5%
Cigarettes	10.0%	11.5%
Cigars	16.5%	17.5%
Cocaine	3.2%	5.0%
E-cigarettes	9.0%	6.6%
Ecstasy/Molly	1.7%	2.3%
Heroin	0.1%	0.3%
Hookah	9.6%	11.0%

	18-20	21+
Human growth hormone (HGH)	2.1%	2.2%
Injectable Toradol	2.3%	2.5%
LSD	1.7%	1.7%
Marijuana	24.9%	24.1%
Methamphetamine	0.2%	0.3%
Narcotic pain medication	9.6%	10.7%
NSAIDs	54.6%	54.5%
Spit Tobacco	12.2%	15.9%
Synthetic marijuana	0.7%	0.8%
Tylenol or acetaminophen	47.8%	49.6%
Ultracet, Ultram or Tramadol	0.9%	1.6%

CURRENT USE IN THE LAST YEAR BY PELL GRANT ASSISTANCE

	Yes	No
ADHD stimulants	11.1%	12.8%
Alcohol	70.9%	79.9%
Amphetamines	1.4%	1.3%
Anabolic steroids	0.6%	0.3%
Cigarettes	8.7%	10.8%
Cigars	14.9%	17.7%
Cocaine	3.3%	3.6%
E-cigarettes	7.2%	8.5%
Ecstasy/Molly	1.8%	1.7%
Heroin	0.3%	0.1%
Hookah	11.0%	9.4%

	Yes	No
Human growth hormone (HGH)	2.3%	2.1%
Injectable Toradol	2.4%	2.2%
LSD	1.5%	1.5%
Marijuana	25.2%	24.6%
Methamphetamine	0.3%	0.2%
Narcotic pain medication	9.1%	10.8%
NSAIDs	49.0%	59.7%
Spit Tobacco	11.8%	13.6%
Synthetic marijuana	0.9%	0.5%
Tylenol or acetaminophen	45.5%	52.3%
Ultracet, Ultram or Tramadol	1.3%	1.1%

Note: 33% (5,341) of student-athletes reported receiving a Pell Grant to help pay for college.

Pell Grants are given based on financial need. Pell Grant eligibility is frequently used as a measure of socioeconomic status.

CURRENT USE IN THE LAST YEAR BY GREEK AFFILIATION

	Yes	No
ADHD stimulants	20.5%	11.8%
Alcohol	87.1%	76.2%
Amphetamines	2.8%	1.4%
Anabolic steroids	0.8%	0.4%
Cigarettes	19.2%	9.7%
Cigars	27.4%	15.9%
Cocaine	9.3%	3.3%
E-cigarettes	14.2%	7.7%
Ecstasy/Molly	3.9%	1.7%
Heroin	0.5%	0.1%
Hookah	12.5%	9.8%

	Yes	No
Human growth hormone (HGH)	2.7%	2.1%
Injectable Toradol	2.5%	2.4%
LSD	3.1%	1.6%
Marijuana	37.8%	23.6%
Methamphetamine	0.6%	0.2%
Narcotic pain medication	12.0%	9.8%
NSAIDs	61.1%	54.0%
Spit Tobacco	17.5%	13.0%
Synthetic marijuana	1.1%	0.7%
Tylenol or acetaminophen	56.2%	47.8%
Ultracet, Ultram or Tramadol	1.5%	1.1%

Note: 8% (1,801) of student-athletes reported having a Greek affiliation.

CURRENT SUBSTANCE USE EXPERIENCES

CURRENT TOBACCO/NICOTINE USE IN THE LAST YEAR

	Never used	Daily	Weekly	Monthly	In the last year*	Used, but not in the last year
Cigarettes	83.7%	0.4%	0.8%	2.0%	7.4%	5.7%
Cigars	74.8%	0.3%	0.5%	2.6%	13.4%	8.4%
E-cigarettes	86.0%	0.8%	0.8%	1.2%	5.4%	5.8%
Hookah	77.2%	0.2%	0.3%	1.1%	8.5%	12.7%
Spit tobacco	81.8%	4.7%	2.2%	1.6%	4.9%	4.8%

*Not cumulative, indicates frequency less than a monthly basis.

REASONS FOR MARIJUANA USE IN THE LAST YEAR

Reasons for Use*	%
Social use	77%
To aid sleep	26%
Anxiety or depression	22%
Pain management	19%
Other	16%

*Among those who reported using marijuana at least once in the last 12 months.
Note: Respondents were able to select multiple reasons.

SUBSTANCE USE IN THE LAST YEAR

	Never used	Daily	Weekly	Monthly	In the last year*	Used, but not in the last year
ADHD stimulants	84.5%	3.4%	1.4%	2.0%	5.6%	3.0%
Alcohol	19.8%	1.5%	35.5%	24.1%	16.0%	3.1%
Amphetamines	98.0%	0.3%	0.2%	0.3%	0.7%	0.5%
Anabolic steroids	99.1%	0.1%	0.1%	0.1%	0.2%	0.5%
Cocaine	94.5%	0.1%	0.1%	0.7%	3.0%	1.7%
Ecstasy/Molly	96.1%	0.0%	0.0%	0.1%	1.7%	1.9%
Heroin	99.6%	0.0%	0.0%	0.0%	0.1%	0.2%
Human growth hormone (HGH)	97.4%	0.3%	0.7%	0.7%	0.5%	0.4%
Injectable Toradol	97.3%	0.3%	0.6%	0.7%	0.7%	0.3%
LSD	97.1%	0.0%	0.0%	0.2%	1.5%	1.2%
Methamphetamine	99.5%	0.0%	0.0%	0.1%	0.1%	0.3%
Narcotic pain medication	83.3%	0.2%	0.3%	1.0%	8.5%	6.8%
NSAIDs	44.6%	6.9%	19.9%	18.5%	9.2%	0.9%
Tylenol or acetaminophen	49.0%	3.3%	13.0%	17.7%	14.4%	2.6%
Ultracet, Ultram or Tramadol	98.2%	0.1%	0.1%	0.1%	0.8%	0.7%

*Not cumulative, indicates frequency less than a monthly basis.

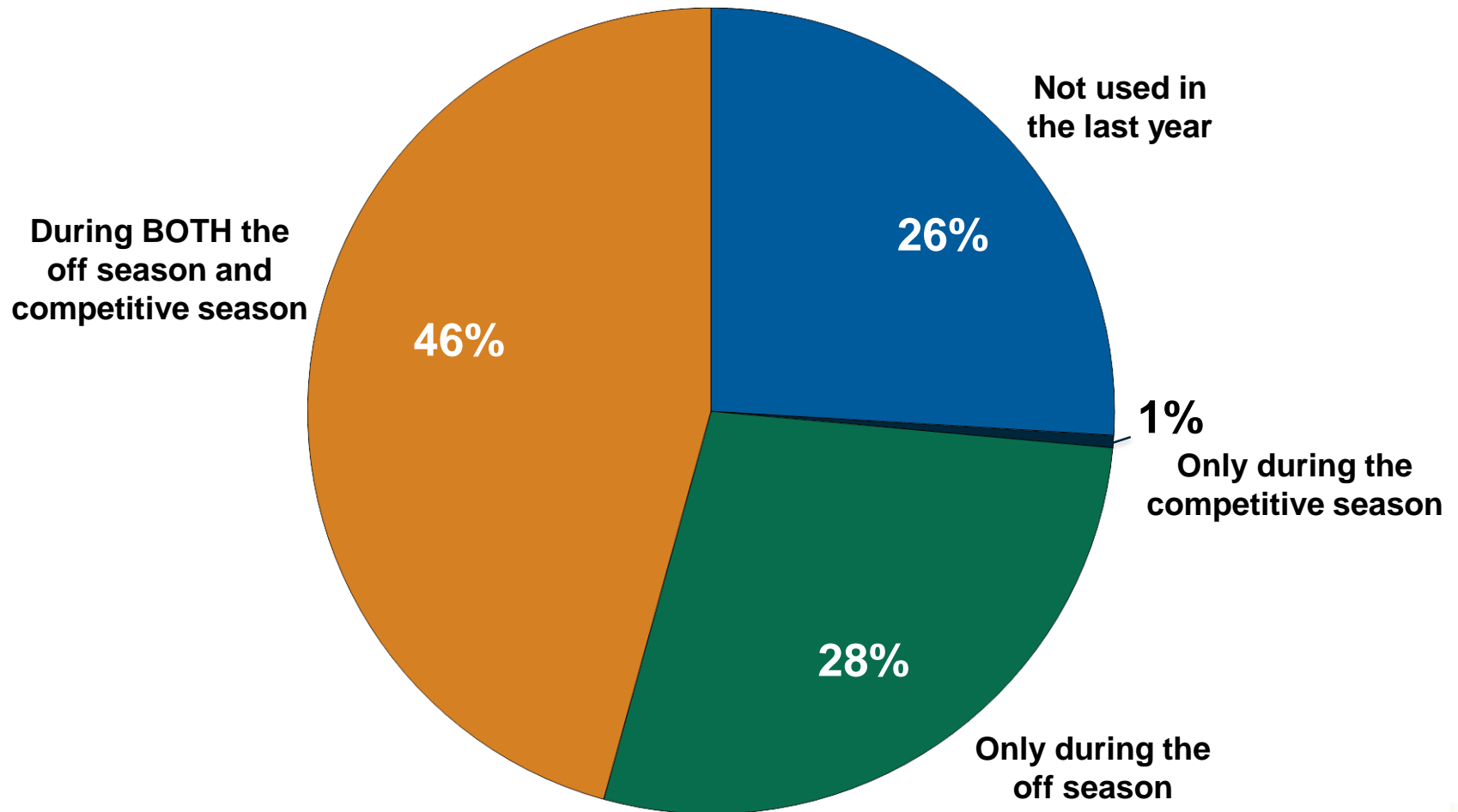
FIRST USE OF SUBSTANCES

	Never used	Before High School	High School	College
ADHD stimulants	86.1%	2.2%	5.7%	6.1%
Alcohol	18.1%	7.0%	54.1%	20.8%
Amphetamines	98.4%	0.2%	0.8%	0.5%
Anabolic steroids	99.4%	0.1%	0.2%	0.3%
Cigarettes	82.4%	1.5%	10.0%	6.1%
Cocaine	94.8%	0.1%	1.4%	3.7%
E-cigarettes	85.4%	0.4%	10.3%	3.8%
Ecstasy/Molly	96.3%	0.0%	1.8%	1.9%
Heroin	99.9%	0.0%	0.0%	0.1%
Human growth hormone (HGH)	98.9%	0.2%	0.5%	0.4%
LSD	97.3%	0.0%	1.2%	1.4%
Marijuana	63.5%	2.8%	24.2%	9.5%
Methamphetamine	99.7%	0.0%	0.1%	0.2%
Narcotic pain medication	83.1%	3.3%	9.1%	4.5%
Spit Tobacco	81.3%	1.8%	12.1%	4.7%
Synthetic marijuana	97.6%	0.3%	1.6%	0.5%

USE IN COMPARISON TO COMPETITIVE SEASON

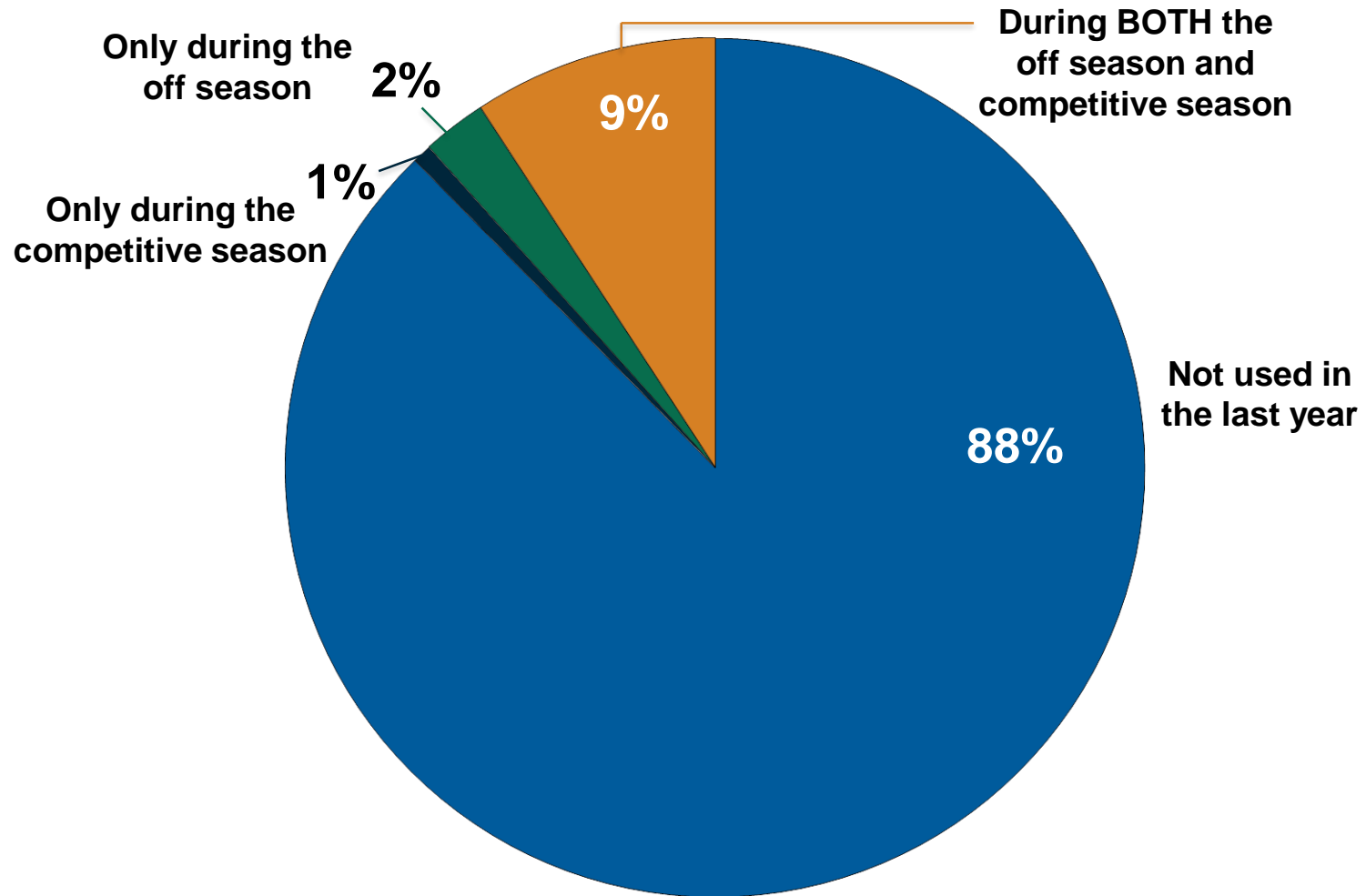
	Not used in the last year	Only during the competitive season	Only during the off season	During BOTH the off season and competitive season
Alcohol	25.8%	0.5%	27.9%	45.8%
Amphetamines	98.8%	0.0%	0.3%	0.8%
Cigarettes	89.5%	0.2%	6.2%	4.2%
Cocaine	96.4%	0.1%	2.3%	1.2%
E-cigarettes	92.6%	0.2%	3.4%	3.9%
Ecstasy/Molly	97.8%	0.1%	1.5%	0.6%
Heroin	99.9%	0.0%	0.1%	0.0%
LSD	98.3%	0.1%	1.2%	0.4%
Marijuana	75.7%	0.4%	14.6%	9.3%
Methamphetamine	99.7%	0.0%	0.1%	0.1%
Spit Tobacco	87.7%	0.7%	2.4%	9.2%
Synthetic marijuana	99.2%	0.1%	0.5%	0.3%

Alcohol Use During the Playing Season



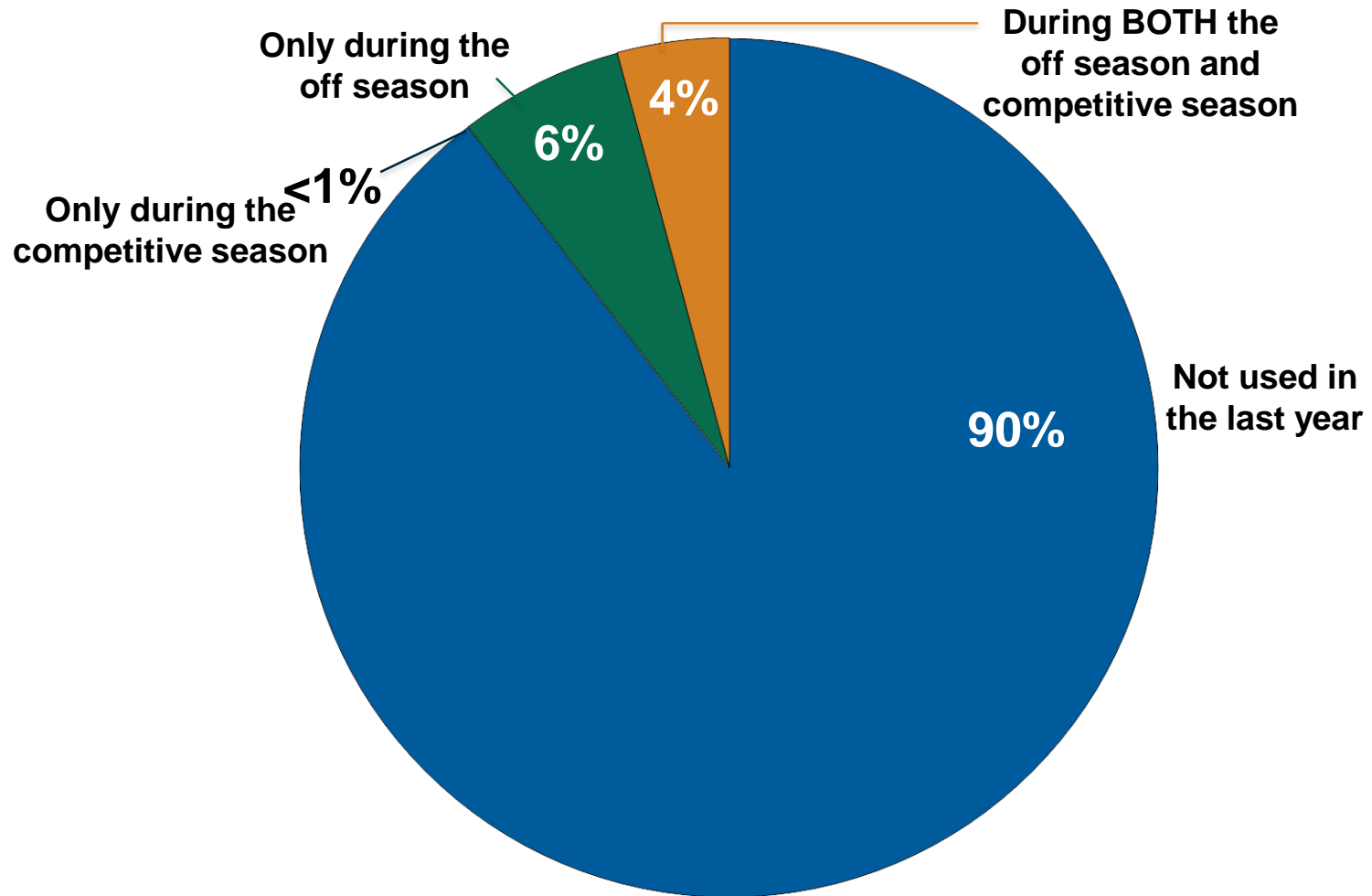
Note: Represents percentage of all student-athletes.

Spit Tobacco Use During the Playing Season



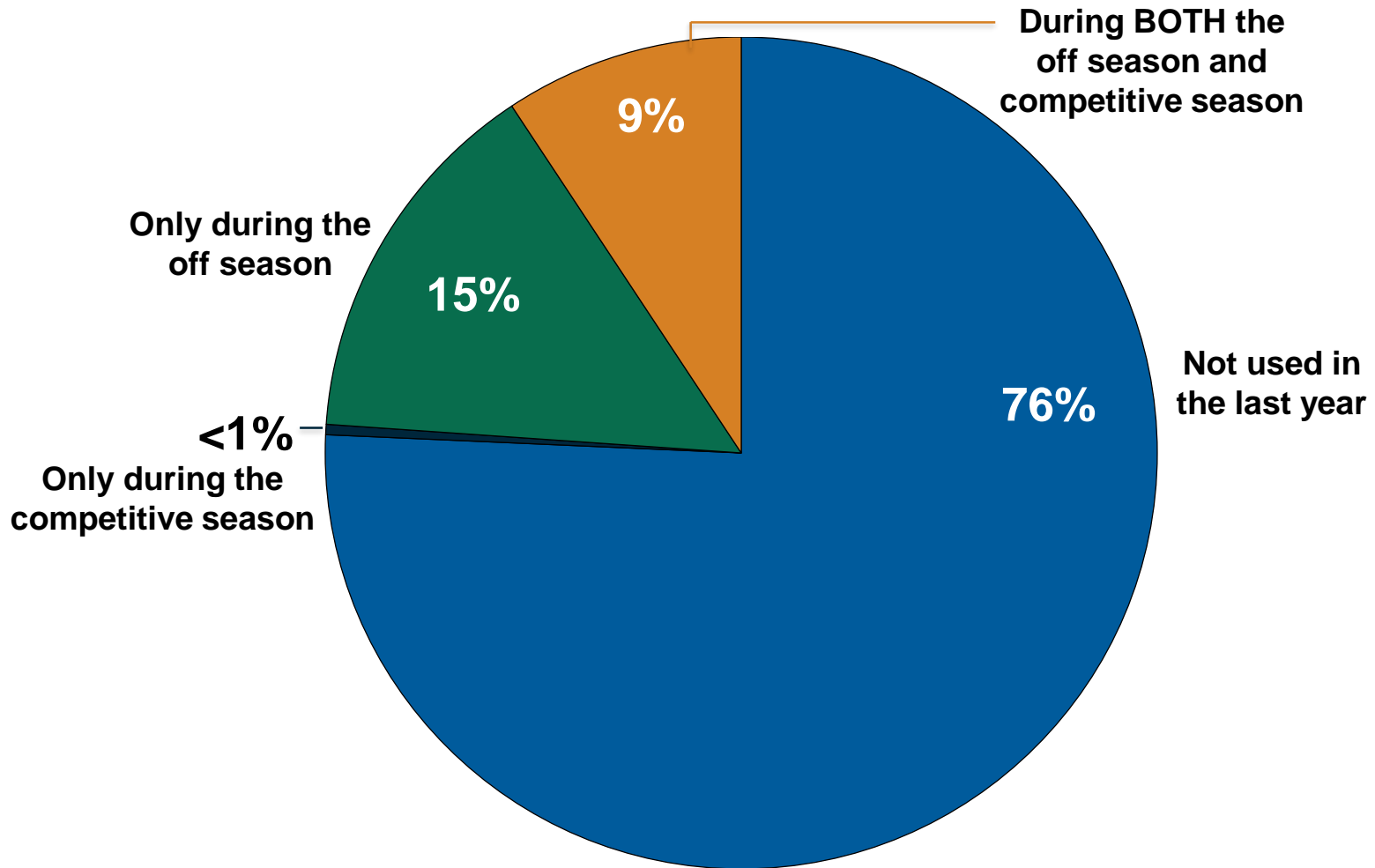
Note: Represents percentage of all student-athletes.

Cigarette Use During the Playing Season



Note: Represents percentage of all student-athletes.

Marijuana Use During the Playing Season



Note: Represents percentage of all student-athletes.

USED SPECIFICALLY TO PREPARE FOR PRACTICE

	Yes	No
ADHD stimulants	3.9%	96.1%
Amphetamines	1.5%	98.5%
Anabolic steroids	1.3%	98.7%
Cocaine	1.3%	98.7%
Human growth hormone (HGH)	1.4%	98.6%
Marijuana	3.6%	96.4%
Narcotic pain medication	4.0%	96.0%
Spit Tobacco	5.8%	94.2%

REASONS FOR NON-USE

	Alcohol	Cigarettes	E-cigarettes	Marijuana	Other Illicit Drugs	PEDs	Spit Tobacco
I still use the substance	58.7%	4.2%	4.3%	12.1%	2.4%	1.2%	8.4%
Concerned about what it might do to my health	12.1%	43.2%	36.7%	24.3%	36.2%	33.4%	36.6%
Against my beliefs	7.5%	18.4%	17.0%	16.2%	22.3%	25.0%	16.5%
No desire to experience the effects	18.3%	49.2%	52.0%	40.6%	53.0%	50.8%	49.8%
Hurt my athletic performance	13.4%	21.9%	18.2%	18.5%	19.9%	16.8%	17.0%
Hurt my academic performance	8.3%	11.9%	10.7%	13.3%	15.4%	12.2%	10.7%
Hurt my personal relationships	4.9%	10.3%	8.9%	9.4%	12.5%	10.5%	9.0%
Afraid of becoming addicted	4.9%	16.3%	12.4%	10.9%	16.5%	12.1%	12.9%
Fear of getting drug tested	5.2%	7.8%	7.5%	27.9%	15.1%	18.6%	7.7%

TYPICAL DRINKS IN ONE SITTING

	Overall	Men	Women	Division I	Division II	Division III
I do not drink alcohol	21.5%	21.9%	21.0%	23.5%	24.5%	18.1%
1	6.4%	5.3%	8.1%	6.9%	7.1%	5.6%
2	12.0%	9.7%	15.5%	12.4%	13.5%	11.0%
3	12.9%	10.3%	16.8%	13.3%	13.2%	12.5%
4	10.7%	8.6%	13.9%	10.8%	10.2%	11.0%
5	9.9%	9.3%	10.7%	10.3%	8.7%	10.1%
6	8.1%	9.1%	6.6%	7.2%	7.3%	9.4%
7	4.3%	5.0%	3.1%	3.8%	3.6%	5.0%
8	4.8%	6.4%	2.3%	4.2%	3.6%	5.9%
9	1.0%	1.4%	0.4%	1.0%	0.7%	1.1%
10+	8.4%	13.0%	1.4%	6.7%	7.6%	10.3%

CONSEQUENCES OF DRINKING ALCOHOL IN THE LAST YEAR

Statements	Yes	No	I did not drink alcohol in the last year
Experienced interrupted sleep or sleep loss	20.7%	61.0%	18.3%
Had a hangover	52.0%	29.8%	18.2%
Performed poorly on a test or important project	7.1%	74.5%	18.3%
Missed a class	14.2%	67.6%	18.3%
Showed up late or missed practice or a game	2.3%	79.4%	18.4%
Performed poorly in practice or a game	7.4%	74.2%	18.3%
Physically injured yourself	6.8%	74.8%	18.4%
Got into an argument/fight	16.8%	64.8%	18.4%
Forgot where you were or what you did	28.4%	53.2%	18.4%
Done something you later regretted	25.4%	56.2%	18.4%

CONSEQUENCES OF DRINKING ALCOHOL IN THE LAST YEAR

Statements	Yes	No	I did not drink alcohol in the last year
Been criticized by someone you know	16.8%	64.8%	18.4%
Thought you might have a drinking or other drug problem	3.6%	78.1%	18.4%
Had feelings of depression, feeling sad for two weeks or longer	5.2%	76.5%	18.3%
Tried unsuccessfully to stop drinking	1.9%	79.7%	18.4%
Damaged property, pulled fire alarm, etc.	3.8%	77.9%	18.4%
Been in trouble with the police or other college authorities	4.6%	77.1%	18.3%
Drove a car while under the influence	7.0%	74.6%	18.4%
Rode in a car with a driver who was under the influence	11.9%	69.7%	18.3%
Had unprotected sex	22.5%	59.3%	18.3%

DIVISIONAL BREAKOUTS: DIVISION I USE



DIVISION I PATTERNS OF SOCIAL DRUG USE IN THE LAST YEAR OVERALL AND BY GENDER

Division I Overall

Year	Alcohol	Cigarettes	Spit Tobacco
2009	81.7%	12.2%	16.1%
2013	78.4%	7.7%	13.4%
2017	74.5%	9.2%	12.7%

Division I Men

Year	Alcohol	Cigarettes	Spit Tobacco
2009	81.8%	13.4%	25.3%
2013	76.8%	9.6%	21.6%
2017	71.7%	12.6%	20.8%

Division I Women

Year	Alcohol	Cigarettes	Spit Tobacco
2009	81.6%	10.5%	2.6%
2013	80.6%	5.0%	1.4%
2017	78.7%	4.3%	0.5%

DIVISION I PATTERNS OF SOCIAL DRUG USE IN THE LAST YEAR BY MEN'S SPORTS

Sport	Alcohol			Cigarettes			Spit Tobacco		
	2009	2013	2017	2009	2013	2017	2009	2013	2017
Baseball	87%	86%	76%	20%	13%	14%	51%	50%	43%
Basketball	67%	58%	58%	4%	4%	3%	6%	4%	4%
Football	84%	71%	66%	10%	7%	8%	26%	19%	21%
Golf	95%	90%	86%	32%	17%	23%	33%	30%	23%
Ice Hockey	94%	98%	92%	25%	16%	18%	53%	40%	46%
Lacrosse	95%	95%	88%	32%	30%	43%	41%	39%	42%
Soccer	85%	82%	82%	10%	11%	15%	13%	10%	10%
Swimming	86%	88%	88%	16%	14%	23%	11%	12%	17%
Tennis	91%	82%	73%	23%	13%	19%	9%	14%	6%
Track	66%	75%	67%	7%	5%	9%	10%	10%	7%
Wrestling	78%	65%	72%	17%	8%	11%	53%	29%	31%

DIVISION I PATTERNS OF SOCIAL DRUG USE IN THE LAST YEAR BY WOMEN'S SPORTS

Sport	Alcohol			Cigarettes			Spit Tobacco		
	2009	2013	2017	2009	2013	2017	2009	2013	2017
Basketball	77%	66%	65%	10%	2%	1%	2%	1%	<1%
Rowing	89%	84%	87%	10%	4%	5%	2%	<1%	1%
Field Hockey	93%	90%	94%	13%	7%	8%	4%	<1%	1%
Golf	91%	78%	77%	27%	6%	9%	4%	2%	1%
Gymnastics	N/A	73%	78%	N/A	2%	1%	N/A	<1%	<1%
Ice Hockey	94%	95%	N/A	19%	6%	N/A	11%	3%	N/A
Lacrosse	97%	99%	97%	9%	17%	9%	3%	2%	2%
Softball	89%	77%	83%	11%	10%	5%	6%	2%	1%
Soccer	90%	86%	85%	11%	4%	3%	2%	1%	1%
Swimming	85%	89%	92%	12%	3%	6%	3%	<1%	1%
Tennis	79%	87%	79%	15%	10%	7%	2%	1%	<1%
Track	64%	73%	64%	4%	2%	2%	1%	2%	<1%
Volleyball	87%	86%	82%	15%	3%	5%	2%	1%	<1%

Note: N/A – sample size was too small to report.

DIVISION I PATTERNS OF ILLICIT DRUG USE IN THE LAST YEAR OVERALL AND BY GENDER

Division I Overall			
Year	Cocaine	Marijuana	Synthetic Marijuana
2009	1.5%	16.9%	N/A
2013	1.5%	16.2%	1.2%
2017	2.6%	17.7%	0.5%
Division I Men			
Year	Cocaine	Marijuana	Synthetic Marijuana
2009	1.9%	19.3%	N/A
2013	2.0%	17.9%	1.6%
2017	3.4%	18.6%	0.6%
Division I Women			
Year	Cocaine	Marijuana	Synthetic Marijuana
2009	0.9%	13.2%	N/A
2013	0.7%	13.7%	0.7%
2017	1.3%	16.5%	0.4%

Note: N/A – data not available.

DIVISION I PATTERNS OF ILLICIT DRUG USE IN THE LAST YEAR BY MEN'S SPORTS

Sport	Cocaine			Marijuana			Synthetic Marijuana	
	2009	2013	2017	2009	2013	2017	2013	2017
Baseball	2%	2%	4%	19%	19%	17%	3%	1%
Basketball	1%	<1%	1%	16%	11%	15%	1%	<1%
Football	2%	1%	3%	21%	17%	17%	2%	1%
Golf	2%	1%	5%	19%	15%	18%	<1%	1%
Ice Hockey	2%	4%	2%	18%	20%	14%	1%	<1%
Lacrosse	7%	15%	18%	43%	36%	40%	6%	2%
Soccer	2%	3%	2%	19%	16%	17%	1%	<1%
Swimming	3%	3%	6%	27%	29%	28%	1%	1%
Tennis	1%	3%	2%	13%	21%	21%	1%	1%
Track	<1%	1%	<1%	13%	15%	20%	1%	<1%
Wrestling	2%	4%	7%	17%	15%	16%	1%	<1%

DIVISION I PATTERNS OF ILLICIT DRUG USE IN THE LAST YEAR BY WOMEN'S SPORTS

Sport	Cocaine			Marijuana			Synthetic Marijuana	
	2009	2013	2017	2009	2013	2017	2013	2017
Basketball	2%	<1%	<1%	14%	10%	10%	1%	<1%
Rowing	2%	<1%	2%	21%	19%	15%	1%	<1%
Field Hockey	1%	1%	1%	26%	7%	20%	<1%	<1%
Golf	1%	<1%	1%	12%	7%	12%	1%	<1%
Gymnastics	N/A	<1%	<1%	N/A	6%	10%	N/A	<1%
Ice Hockey	1%	<1%	N/A	20%	10%	N/A	<1%	N/A
Lacrosse	2%	1%	4%	24%	23%	24%	<1%	1%
Softball	<1%	1%	1%	13%	13%	13%	2%	<1%
Soccer	1%	1%	1%	16%	16%	22%	1%	<1%
Swimming	1%	1%	3%	17%	21%	21%	<1%	<1%
Tennis	3%	<1%	1%	9%	13%	13%	<1%	1%
Track	<1%	1%	1%	7%	12%	13%	1%	<1%
Volleyball	1%	<1%	2%	13%	14%	20%	1%	1%

Note: N/A – sample size was too small to report.

DIVISION I PATTERNS OF ERGOGENIC AID USE IN THE LAST YEAR OVERALL AND BY GENDER

Division I Overall		
Year	Amphetamines	Anabolic Steroids
2009	3.7%	0.4%
2013	4.2%	0.3%
2017	1.4%	0.3%
Division I Men		
Year	Amphetamines	Anabolic Steroids
2009	4.1%	0.5%
2013	5.1%	0.5%
2017	1.8%	0.5%
Division I Women		
Year	Amphetamines	Anabolic Steroids
2009	3.0%	0.2%
2013	2.9%	0.1%
2017	0.7%	0.0%

DIVISION I PATTERNS OF ERGOGENIC AID USE IN THE LAST YEAR BY MEN'S SPORTS

Sport	Amphetamines			Anabolic Steroids		
	2009	2013	2017	2009	2013	2017
Baseball	5.7%	8.8%	3.6%	0.7%	0.7%	1.0%
Basketball	0.8%	1.8%	0.9%	0.3%	0.4%	0.3%
Football	4.5%	3.9%	1.2%	0.6%	0.7%	0.5%
Golf	4.1%	3.5%	0.0%	0.7%	0.0%	0.0%
Ice Hockey	7.8%	6.8%	0.6%	0.0%	0.5%	0.0%
Lacrosse	10.9%	16.7%	4.8%	0.4%	1.7%	0.0%
Soccer	4.0%	3.4%	1.1%	0.5%	0.0%	0.3%
Swimming	4.5%	5.2%	2.7%	0.0%	0.0%	0.0%
Tennis	1.1%	4.9%	1.1%	1.1%	0.0%	0.0%
Track	1.2%	3.1%	2.5%	0.4%	0.2%	0.4%
Wrestling	5.9%	11.9%	2.2%	0.0%	0.6%	2.2%

DIVISION I PATTERNS OF ERGOGENIC AID USE IN THE LAST YEAR BY WOMEN'S SPORTS

Sport	Amphetamines			Anabolic Steroids		
	2009	2013	2017	2009	2013	2017
Basketball	2.3%	0.9%	0.5%	0.0%	0.0%	0.0%
Rowing	4.8%	0.9%	0.0%	0.0%	0.0%	0.0%
Field Hockey	5.8%	5.3%	0.5%	0.0%	0.0%	0.0%
Golf	3.5%	3.8%	2.7%	0.0%	0.0%	0.0%
Gymnastics	N/A	4.9%	1.5%	N/A	0.8%	0.0%
Ice Hockey	5.9%	1.1%	N/A	0.0%	0.0%	N/A
Lacrosse	9.3%	8.5%	1.0%	0.0%	0.0%	0.0%
Softball	2.8%	3.5%	0.6%	0.0%	0.0%	0.0%
Soccer	3.2%	4.1%	0.2%	0.0%	0.0%	0.0%
Swimming	3.6%	2.3%	0.5%	0.5%	0.0%	0.0%
Tennis	1.3%	4.0%	0.0%	0.0%	0.0%	0.0%
Track	1.3%	0.8%	1.0%	0.3%	0.3%	0.0%
Volleyball	4.0%	3.1%	0.8%	0.5%	0.0%	0.4%

Note: N/A – sample size was too small to report.

DIVISIONAL BREAKOUTS: DIVISION II USE



DIVISION II PATTERNS OF SOCIAL DRUG USE IN THE LAST YEAR OVERALL AND BY GENDER

Division II Overall

Year	Alcohol	Cigarettes	Spit Tobacco
2009	81.6%	16.0%	18.0%
2013	79.3%	10.7%	15.9%
2017	74.0%	9.6%	13.5%

Division II Men

Year	Alcohol	Cigarettes	Spit Tobacco
2009	81.6%	16.9%	27.6%
2013	78.2%	13.1%	24.6%
2017	73.9%	12.2%	21.5%

Division II Women

Year	Alcohol	Cigarettes	Spit Tobacco
2009	81.8%	14.5%	2.8%
2013	81.2%	7.1%	2.4%
2017	74.1%	5.7%	0.7%

DIVISION II PATTERNS OF SOCIAL DRUG USE IN THE LAST YEAR BY MEN'S SPORTS

Sport	Alcohol			Cigarettes			Spit Tobacco		
	2009	2013	2017	2009	2013	2017	2009	2013	2017
Baseball	90%	84%	84%	23%	18%	17%	57%	45%	44%
Basketball	76%	72%	66%	8%	4%	6%	7%	6%	7%
Football	76%	79%	70%	16%	11%	8%	25%	25%	20%
Golf	87%	88%	86%	34%	24%	22%	30%	32%	24%
Lacrosse	95%	89%	86%	44%	19%	34%	58%	41%	30%
Soccer	87%	79%	76%	15%	15%	15%	13%	12%	10%
Swimming	84%	84%	83%	24%	16%	14%	13%	16%	10%
Tennis	81%	78%	83%	21%	20%	16%	12%	8%	9%
Track	77%	59%	56%	6%	7%	7%	9%	8%	10%
Wrestling	81%	83%	81%	11%	13%	17%	42%	45%	38%

DIVISION II PATTERNS OF SOCIAL DRUG USE IN THE LAST YEAR BY WOMEN'S SPORTS

Sport	Alcohol			Cigarettes			Spit Tobacco		
	2009	2013	2017	2009	2013	2017	2009	2013	2017
Basketball	81%	79%	64%	10%	5%	3%	2%	2%	1%
Golf	93%	83%	75%	30%	13%	11%	2%	1%	1%
Lacrosse	87%	88%	86%	26%	16%	8%	4%	3%	<1%
Softball	89%	83%	72%	21%	11%	7%	8%	5%	2%
Soccer	74%	84%	80%	12%	6%	5%	2%	3%	1%
Swimming	90%	79%	81%	20%	7%	6%	1%	2%	1%
Tennis	87%	87%	78%	13%	8%	12%	1%	<1%	<1%
Track	75%	70%	60%	5%	3%	2%	<1%	1%	<1%
Volleyball	80%	85%	86%	17%	7%	6%	3%	2%	<1%

DIVISION II PATTERNS OF ILLICIT DRUG USE IN THE LAST YEAR OVERALL AND BY GENDER

Division II Overall			
Year	Cocaine	Marijuana	Synthetic Marijuana
2009	1.5%	21.5%	N/A
2013	1.3%	20.2%	1.8%
2017	2.9%	21.6%	0.9%
Division II Men			
Year	Cocaine	Marijuana	Synthetic Marijuana
2009	1.8%	25.4%	N/A
2013	1.9%	23.0%	2.5%
2017	4.0%	23.4%	1.1%
Division II Women			
Year	Cocaine	Marijuana	Synthetic Marijuana
2009	1.1%	15.2%	N/A
2013	0.4%	15.9%	0.6%
2017	1.1%	18.8%	0.6%

Note: N/A – data not available.

DIVISION II PATTERNS OF ILLICIT DRUG USE IN THE LAST YEAR BY MEN'S SPORTS

Sport	Cocaine			Marijuana			Synthetic Marijuana	
	2009	2013	2017	2009	2013	2017	2013	2017
Baseball	1%	2%	5%	24%	25%	23%	4%	1%
Basketball	1%	1%	2%	19%	16%	20%	<1%	1%
Football	1%	3%	4%	30%	26%	28%	4%	2%
Golf	1%	2%	4%	16%	24%	15%	2%	<1%
Lacrosse	11%	2%	13%	57%	40%	36%	2%	1%
Soccer	4%	2%	3%	27%	20%	19%	1%	<1%
Swimming	<1%	1%	6%	26%	30%	36%	4%	1%
Tennis	3%	<1%	2%	20%	15%	17%	2%	1%
Track	<1%	1%	1%	15%	15%	14%	1%	<1%
Wrestling	3%	2%	6%	26%	23%	33%	1%	3%

DIVISION II PATTERNS OF ILLICIT DRUG USE IN THE LAST YEAR BY WOMEN'S SPORTS

Sport	Cocaine			Marijuana			Synthetic Marijuana	
	2009	2013	2017	2009	2013	2017	2013	2017
Basketball	1%	1%	1%	12%	16%	16%	1%	1%
Golf	<1%	<1%	3%	26%	10%	10%	<1%	<1%
Lacrosse	4%	1%	4%	26%	17%	26%	3%	1%
Softball	1%	<1%	1%	19%	13%	16%	1%	<1%
Soccer	3%	<1%	2%	16%	22%	25%	<1%	1%
Swimming	1%	<1%	1%	16%	18%	24%	1%	1%
Tennis	<1%	<1%	1%	17%	9%	14%	<1%	<1%
Track	<1%	1%	<1%	6%	10%	12%	1%	<1%
Volleyball	1%	<1%	1%	17%	20%	25%	1%	1%

DIVISION II PATTERNS OF ERGOGENIC AID USE IN THE LAST YEAR OVERALL AND BY GENDER

Division II Overall		
Year	Amphetamines	Anabolic Steroids
2009	3.2%	0.4%
2013	3.9%	0.7%
2017	1.1%	0.4%
Division II Men		
Year	Amphetamines	Anabolic Steroids
2009	3.1%	0.5%
2013	3.7%	0.9%
2017	1.7%	0.7%
Division II Women		
Year	Amphetamines	Anabolic Steroids
2009	3.4%	0.3%
2013	4.2%	0.2%
2017	0.2%	0.1%

DIVISION II PATTERNS OF ERGOGENIC AID USE IN THE LAST YEAR BY MEN'S SPORTS

Sport	Amphetamines			Anabolic Steroids		
	2009	2013	2017	2009	2013	2017
Baseball	4.0%	5.4%	2.9%	0.8%	0.9%	0.9%
Basketball	1.2%	2.6%	0.5%	0.0%	0.6%	0.0%
Football	2.1%	3.2%	1.7%	0.6%	1.6%	1.1%
Golf	2.8%	8.3%	1.2%	0.7%	0.8%	0.6%
Lacrosse	12.0%	6.1%	2.6%	1.1%	1.0%	2.2%
Soccer	4.9%	3.2%	1.3%	0.0%	0.4%	0.0%
Swimming	2.6%	4.2%	2.1%	0.0%	0.5%	0.7%
Tennis	1.9%	0.7%	2.8%	0.0%	0.0%	0.0%
Track	1.5%	0.5%	0.0%	0.4%	0.5%	0.0%
Wrestling	8.8%	7.5%	3.3%	0.0%	0.5%	0.0%

DIVISION II PATTERNS OF ERGOGENIC AID USE IN THE LAST YEAR BY WOMEN'S SPORTS

Sport	Amphetamines			Anabolic Steroids		
	2009	2013	2017	2009	2013	2017
Basketball	1.8%	4.8%	0.0%	0.3%	0.0%	0.2%
Golf	2.3%	1.3%	0.0%	0.0%	0.0%	0.0%
Lacrosse	15.1%	6.5%	0.0%	0.0%	0.0%	0.0%
Softball	2.5%	5.7%	0.6%	0.3%	0.0%	0.0%
Soccer	6.7%	5.1%	0.2%	0.6%	0.5%	0.0%
Swimming	0.0%	1.9%	0.0%	0.0%	0.0%	0.0%
Tennis	4.2%	1.7%	0.0%	0.0%	0.0%	0.0%
Track	1.3%	1.4%	0.0%	0.4%	0.5%	0.4%
Volleyball	2.7%	5.6%	0.0%	0.0%	0.5%	0.0%

DIVISIONAL BREAKOUTS: DIVISION III USE



DIVISION III PATTERNS OF SOCIAL DRUG USE IN THE LAST YEAR OVERALL AND BY GENDER

Division III Overall			
Year	Alcohol	Cigarettes	Spit Tobacco
2009	85.2%	18.1%	18.0%
2013	82.8%	11.9%	16.2%
2017	81.1%	12.2%	14.0%
Division III Men			
Year	Alcohol	Cigarettes	Spit Tobacco
2009	85.2%	19.7%	28.6%
2013	83.4%	15.2%	26.2%
2017	81.4%	16.2%	22.7%
Division III Women			
Year	Alcohol	Cigarettes	Spit Tobacco
2009	85.2%	15.7%	2.0%
2013	81.9%	7.1%	1.1%
2017	80.7%	6.1%	0.7%

DIVISION III PATTERNS OF SOCIAL DRUG USE IN THE LAST YEAR BY MEN'S SPORTS

Sport	Alcohol			Cigarettes			Spit Tobacco		
	2009	2013	2017	2009	2013	2017	2009	2013	2017
Baseball	87%	87%	83%	16%	17%	18%	50%	47%	44%
Basketball	79%	81%	76%	13%	9%	10%	18%	14%	10%
Football	86%	80%	81%	22%	15%	15%	33%	28%	24%
Golf	90%	85%	90%	34%	21%	23%	30%	23%	21%
Ice Hockey*	96%	96%	94%	27%	27%	27%	53%	57%	46%
Lacrosse	95%	93%	88%	30%	23%	37%	36%	41%	33%
Soccer	88%	83%	83%	20%	14%	16%	19%	18%	14%
Swimming	87%	86%	80%	17%	22%	15%	15%	16%	9%
Tennis	85%	84%	78%	23%	14%	13%	12%	7%	8%
Track	70%	77%	75%	11%	7%	9%	8%	8%	10%
Wrestling	92%	91%	82%	21%	17%	12%	46%	40%	32%

* DII men's ice hockey included in this percentage.

DIVISION III PATTERNS OF SOCIAL DRUG USE IN THE LAST YEAR BY WOMEN'S SPORTS

Sport	Alcohol			Cigarettes			Spit Tobacco		
	2009	2013	2017	2009	2013	2017	2009	2013	2017
Basketball	78%	81%	80%	13%	4%	5%	1%	1%	1%
Rowing	99%	89%	N/A	27%	11%	N/A	0%	0%	N/A
Field Hockey	94%	89%	80%	18%	6%	4%	3%	1%	0%
Golf	85%	82%	N/A	21%	13%	N/A	3%	1%	N/A
Ice Hockey	97%	92%	90%	25%	7%	8%	17%	17%	7%
Lacrosse	96%	92%	90%	21%	9%	11%	3%	1%	1%
Softball	87%	77%	82%	18%	9%	6%	4%	3%	2%
Soccer	88%	84%	84%	20%	5%	6%	2%	1%	1%
Swimming	85%	83%	82%	14%	13%	7%	1%	1%	1%
Tennis	82%	82%	79%	16%	5%	9%	1%	0%	0%
Track	72%	75%	71%	5%	4%	5%	0%	1%	0%
Volleyball	91%	82%	83%	17%	10%	5%	3%	1%	1%

Note: N/A – sample size was too small to report.

DIVISION III PATTERNS OF ILLICIT DRUG USE IN THE LAST YEAR OVERALL AND BY GENDER

Division III Overall			
Year	Cocaine	Marijuana	Synthetic Marijuana
2009	2.1%	28.3%	N/A
2013	2.4%	27.6%	1.8%
2017	5.3%	32.6%	0.8%
Division III Men			
Year	Cocaine	Marijuana	Synthetic Marijuana
2009	2.8%	30.5%	N/A
2013	3.4%	32.2%	2.4%
2017	7.3%	34.7%	0.9%
Division III Women			
Year	Cocaine	Marijuana	Synthetic Marijuana
2009	1.1%	24.9%	N/A
2013	0.8%	20.7%	0.8%
2017	2.3%	29.4%	0.7%

Note: N/A – data not available.

DIVISION III PATTERNS OF ILLICIT DRUG USE IN THE LAST YEAR BY MEN'S SPORTS

Sport	Cocaine			Marijuana			Synthetic Marijuana	
	2009	2013	2017	2009	2013	2017	2013	2017
Baseball	1%	3%	5%	22%	30%	31%	4%	1%
Basketball	2%	2%	3%	29%	27%	30%	2%	1%
Football	3%	2%	6%	32%	28%	33%	2%	1%
Golf	5%	1%	6%	31%	25%	24%	1%	1%
Ice Hockey*	5%	8%	11%	33%	31%	33%	2%	1%
Lacrosse	10%	11%	26%	49%	53%	58%	3%	2%
Soccer	2%	5%	10%	36%	43%	35%	5%	1%
Swimming	1%	4%	8%	27%	37%	42%	4%	1%
Tennis	2%	2%	6%	32%	23%	34%	2%	<1%
Track	1%	2%	3%	20%	25%	33%	1%	1%
Wrestling	6%	7%	8%	39%	44%	40%	2%	3%

* DII men's ice hockey included in this percentage.

DIVISION III PATTERNS OF ILLICIT DRUG USE IN THE LAST YEAR BY WOMEN'S SPORTS

Sport	Cocaine			Marijuana			Synthetic Marijuana	
	2009	2013	2017	2009	2013	2017	2013	2017
Basketball	1%	<1%	2%	17%	18%	26%	1%	1%
Rowing	2%	1%	N/A	39%	28%	N/A	2%	N/A
Field Hockey	2%	1%	1%	44%	27%	33%	1%	1%
Golf	<1%	<1%	N/A	25%	11%	N/A	<1%	N/A
Ice Hockey	<1%	1%	5%	36%	27%	36%	1%	1%
Lacrosse	5%	1%	9%	35%	27%	42%	<1%	1%
Softball	1%	1%	1%	22%	14%	29%	1%	1%
Soccer	1%	1%	3%	32%	25%	31%	1%	1%
Swimming	1%	1%	3%	23%	26%	33%	1%	<1%
Tennis	1%	1%	3%	21%	17%	23%	<1%	<1%
Track	<1%	<1%	<1%	13%	15%	20%	<1%	<1%
Volleyball	1%	1%	2%	26%	22%	34%	<1%	<1%

Note: N/A –sample size was too small to report.

DIVISION III PATTERNS OF ERGOGENIC AID USE IN THE LAST YEAR OVERALL AND BY GENDER

Division III Overall		
Year	Amphetamines	Anabolic Steroids
2009	4.1%	0.5%
2013	5.3%	0.4%
2017	1.8%	0.5%
Division III Men		
Year	Amphetamines	Anabolic Steroids
2009	4.5%	0.6%
2013	6.3%	0.6%
2017	2.4%	0.9%
Division III Women		
Year	Amphetamines	Anabolic Steroids
2009	3.5%	0.2%
2013	3.7%	0.1%
2017	0.7%	0.2%

DIVISION III PATTERNS OF ERGOGENIC AID USE IN THE LAST YEAR BY MEN'S SPORTS

Sport	Amphetamines			Anabolic Steroids		
	2009	2013	2017	2009	2013	2017
Baseball	3.0%	8.5%	2.4%	0.4%	0.6%	1.5%
Basketball	3.1%	2.4%	0.3%	0.2%	0.4%	0.0%
Football	4.3%	4.4%	1.6%	1.1%	0.5%	0.9%
Golf	2.8%	4.8%	4.4%	1.1%	0.0%	0.7%
Ice Hockey*	8.1%	7.6%	3.8%	0.0%	1.5%	0.0%
Lacrosse	12.9%	11.2%	8.6%	1.4%	0.2%	0.6%
Soccer	4.1%	8.8%	2.7%	0.2%	2.1%	0.6%
Swimming	3.8%	9.2%	2.0%	0.0%	0.0%	0.0%
Tennis	5.9%	2.4%	1.9%	0.6%	0.0%	0.4%
Track	1.5%	2.7%	1.1%	0.4%	0.1%	0.3%
Wrestling	8.5%	16.7%	4.1%	0.0%	0.0%	2.7%

* DII men's ice hockey included in this percentage.

DIVISION III PATTERNS OF ERGOGENIC AID USE IN THE LAST YEAR BY WOMEN'S SPORTS

Sport	Amphetamines			Anabolic Steroids		
	2009	2013	2017	2009	2013	2017
Basketball	1.9%	3.0%	0.5%	0.5%	0.0%	0.2%
Rowing	6.1%	4.0%	N/A	0.0%	0.7%	N/A
Field Hockey	7.1%	4.3%	1.8%	0.0%	0.5%	0.0%
Golf	1.4%	4.3%	N/A	0.0%	0.0%	N/A
Ice Hockey	10.4%	5.9%	2.0%	0.0%	0.7%	0.0%
Lacrosse	8.4%	6.2%	2.9%	0.3%	0.5%	0.0%
Softball	2.0%	6.5%	0.4%	0.2%	0.0%	0.2%
Soccer	5.9%	3.8%	0.9%	0.0%	0.2%	0.5%
Swimming	2.6%	3.9%	0.7%	0.4%	0.4%	0.0%
Tennis	3.2%	2.7%	1.3%	0.5%	0.0%	0.4%
Track	0.7%	1.5%	0.7%	0.0%	0.0%	0.0%
Volleyball	3.0%	2.4%	0.3%	0.4%	0.0%	0.0%

Note: N/A - sample size was too small to report.

DRUG TESTING BELIEFS

DRUG TESTING BELIEFS OVERALL

	Strongly Agree	Agree	Neither Agree nor Disagree	Disagree	Strongly Disagree
If I use banned substances in the next year, I am likely to get caught.	19.4%	26.8%	21.3%	17.2%	15.2%
All college athletes should be tested for performance enhancing drugs (e.g., steroids) by their school.	34.7%	30.1%	18.3%	8.9%	8.0%
All college athletes should be tested for marijuana drugs by their school.	19.0%	17.0%	22.9%	17.9%	23.3%
All college athletes should be tested for performance enhancing drugs (e.g., steroids) by the NCAA.	39.5%	32.0%	17.1%	5.7%	5.8%
All college athletes should be tested for marijuana by the NCAA.	19.5%	16.5%	23.5%	17.1%	23.4%
Drug testing by individual colleges has deterred college athletes from using drugs.	17.2%	28.5%	29.2%	15.5%	9.6%
Drug testing by the NCAA has deterred college athletes from using drugs.	18.3%	30.3%	27.9%	14.3%	9.2%
Imposing team penalties (such as disqualification of the team when a member tests positive for banned drugs) would be fair and appropriate.	24.9%	29.1%	23.5%	10.6%	11.9%

DRUG TESTING BELIEFS BY DIVISION

(STRONGLY AGREE/ AGREE WITH STATEMENTS)

	Division I	Division II	Division III
If I use banned substances in the next year, I am likely to get caught.	54.5%	50.1%	37.2%
All college athletes should be tested for performance enhancing drugs (e.g., steroids) by their school.	72.1%	66.9%	57.5%
All college athletes should be tested for marijuana drugs by their school.	40.4%	39.5%	30.3%
All college athletes should be tested for performance enhancing drugs (e.g., steroids) by the NCAA.	77.1%	72.8%	66.1%
All college athletes should be tested for marijuana by the NCAA.	39.9%	39.9%	30.6%
Drug testing by individual colleges has deterred college athletes from using drugs.	51.9%	46.8%	39.9%
Drug testing by the NCAA has deterred college athletes from using drugs.	54.5%	49.1%	43.3%
Imposing team penalties (such as disqualification of the team when a member tests positive for banned drugs) would be fair and appropriate.	57.2%	54.2%	51.1%

MEDICATION USE

MEDICATION USE IN THE LAST YEAR

Conditions of Medication Use	%
ADHD stimulants WITH a prescription	6.6%
ADHD stimulants WITHOUT a prescription	7.5%
Narcotic pain medication WITH a prescription	10.5%
Narcotic pain medication WITHOUT a prescription	2.9%
I have not taken any of the medications listed	69.8%

MEDICATION MISUSE IN THE LAST YEAR

Medications	%
Ibuprofen, naproxen, aspirin or other nonsteroidal anti-inflammatory drugs	23.6%
Tylenol or acetaminophen	12.0%
Adderall, Ritalin, Concerta or Vyvanse	5.5%
Vicodin, Oxycontin, Percocet, Dilaudid, Morphine or Tylenol with Codeine	2.1%
Ultracet, Ultram or Tramadol	0.2%
Injectable Toradol or Ketorolac	0.1%
I have not used pain management medications beyond their intended use within the last year	67.2%

PERFORMANCE ENHANCERS & DIETARY SUPPLEMENTS



PERFORMANCE ENHANCER USE IN THE LAST YEAR

Performance Enhancers	%
Andro or norandro	0.1%
Hydroxy methylbutyrate (HMB)	0.1%
Clenbuterol	0.1%
Dehydroepiandrosterone (DHEA)	0.1%
Epitestosterone	0.1%
Erythropoietin (EPO)	0.1%
Gamma Hydroxybutyrate (GHB)	0.1%
Human chorionic gonadotrophin (HCG)	0.1%
Human growth hormone (HGH) - Injected	0.1%
Human growth hormone (HGH) - Oral	0.2%
Insulin	0.3%
Prohormones	0.1%
Testosterone boosters	0.7%
Other anabolic agents	0.2%
I have not taken any of the items listed	89.0%

DIETARY SUPPLEMENT USE IN THE LAST YEAR

Performance Enhancers	%
General multivitamin	41.4%
Multivitamin and mineral with other additives	16.4%
Calcium	15.5%
Iron	15.1%
Probiotic	9.3%
Fish oil	19.4%
Glucosamine and/or chondroitin	2.1%
Amino acids	13.2%
Protein products	41.5%
Creatine	13.2%

DIETARY SUPPLEMENT USE IN THE LAST YEAR

Performance Enhancers	%
Energy drinks	31.1%
Pre-workout products	22.6%
Brain/memory enhancer	1.1%
Diuretics	0.8%
Prescription sleep aids	3.0%
Non-prescription sleep aid	18.7%
Herbal supplements	5.6%
Weight gain products	6.1%
Thermogenic/fat burners/weight loss products	3.3%
I have not taken any of the items listed	24.1%

THANK YOU

For more information on the substance use study:

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