

2016 Indiana College Substance Use Survey

"SAMPLE" UNIVERSITY



**Results of the
Indiana College Substance Use Survey
2016
Sample University**

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INTRODUCTION

The Indiana College Substance Use Survey was administered in Spring 2016. A total of 2,500 SAMPLE SCHOOL students were sent an e-mail inviting them to participate in the survey. Students were given a two-week period to complete the online questionnaire. A reminder e-mail was sent midway through the survey period. 571 students responded to the survey, for a response rate of 22.8%. A description of the history and methodology of the Indiana College Substance Use Survey can be found in the *Results of the Indiana College Substance Use Survey, 2016* at <http://drugs.indiana.edu/indiana-college-survey/substance-use-survey>.

Table 1. Response Rate, 2016

Number of students invited to participate	Number of respondents	Response Rate
2,500	571	22.8%

Three criteria were used to clean the data. Surveys were discarded if any of the following conditions were met:

- insufficient response (less than 26 items answered out of a total of 148 items),
- three or more inconsistent responses among substance use items, and
- pharmacologically-implausible patterns of responses (i.e., a combination of drugs and frequencies of use whose cumulative effect would be lethal).

A total of 14 surveys were rejected due to meeting at least one of the criteria, leaving 557 usable surveys (97.5%).

Table 2. Number of Usable Questionnaires, 2016

	Frequency	Percent
Insufficient response	11	1.9
Inconsistent responses	3	.5
Implausibly high substance use responses	0	0.0
Total number of usable surveys	557	97.5
Total	571	100.0

SUBSTANCE USE

PREVALENCE

Table 3. Percentage of Students Reporting Use of Select Substances in the Past Month, by Select Demographic Characteristics, 2016

Substance	All Students		Gender		Age	
	Sample U	Indiana	Males	Females	Under 21	21 or older
Alcohol	59.3	62.7	56.0	60.9	45.1	74.3
Marijuana	22.7	19.6	23.0	22.7	24.2	21.2
Cigarettes	11.8	13.0	14.7	10.4	10.1	13.7
Electronic vapor products	12.1	10.4	15.9	10.2	14.7	9.3
Cigars	7.7	8.0	10.5	6.3	8.4	7.0
Smoking tobacco with hookah/water pipe	11.8	7.8	14.2	10.5	11.6	12.0
Chewing/smokeless tobacco	3.8	4.3	7.4	1.9	3.2	4.5
Prescription stimulants not prescribed to you	6.5	5.2	8.4	5.5	5.2	7.7
Prescription painkillers not prescribed to you	2.5	2.3	2.1	2.7	1.4	3.7
Prescription sedatives not prescribed to you	1.6	2.2	2.7	1.1	1.1	2.2
Hallucinogens	3.2	2.5	5.2	2.2	3.5	3.0
Cocaine	1.1	1.9	0.0	1.6	0.7	1.5
Inhalants	0.7	0.6	0.0	1.1	0.3	1.1
Heroin	0.0	0.2	0.0	0.0	0.0	0.0
Methamphetamine	0.0	0.2	0.0	0.0	0.0	0.0
Other illegal drugs	0.5	0.6	0.5	0.6	0.4	0.7

Note: Because of the small number of transgender students, their results are not displayed in the gender columns.

Table 4. Use of Electronic Vapor Products for Selected Substances, by Select Demographic Characteristics, 2016

Substance	All Students		Gender		Age	
	Sample U	Indiana	Males	Females	Under 21	21 or older
Nicotine	55.8	56.8	60.8	52.3	54.1	57.8
THC	30.9	29.8	38.4	25.7	30.2	31.7
Alcohol	0.0	1.7	0.0	0.0	0.0	0.0
Other	13.1	11.1	8.7	16.2	15.4	10.4

Note. Out of students who reported ever using electronic vapor products (n = 185). Because of the small number of transgender students, their results are not displayed in the gender columns.

Table 5. Percentage of Sample University Students Reporting Use of Select Substances in the Past Month, 2014 – 2016

Substance	2014	2015	2016
Alcohol	71.6	65.5	59.3
Marijuana	9.5	11.9	22.7
Cigarettes	17.2	11.5	11.8
Cigars	8.2	6.1	7.7
Smoking tobacco with hookah or water pipe	9.5	7.4	11.8
Chewing or smokeless tobacco	2.2	1.6	3.8
Hallucinogens	0.9	0.7	3.2
Cocaine	0.6	0.5	1.1
Inhalants	0.0	0.5	0.7
Heroin	0.6	0.0	0.0
Methamphetamines	0.0	0.0	0.0
Other illegal drugs	0.6	0.2	0.5

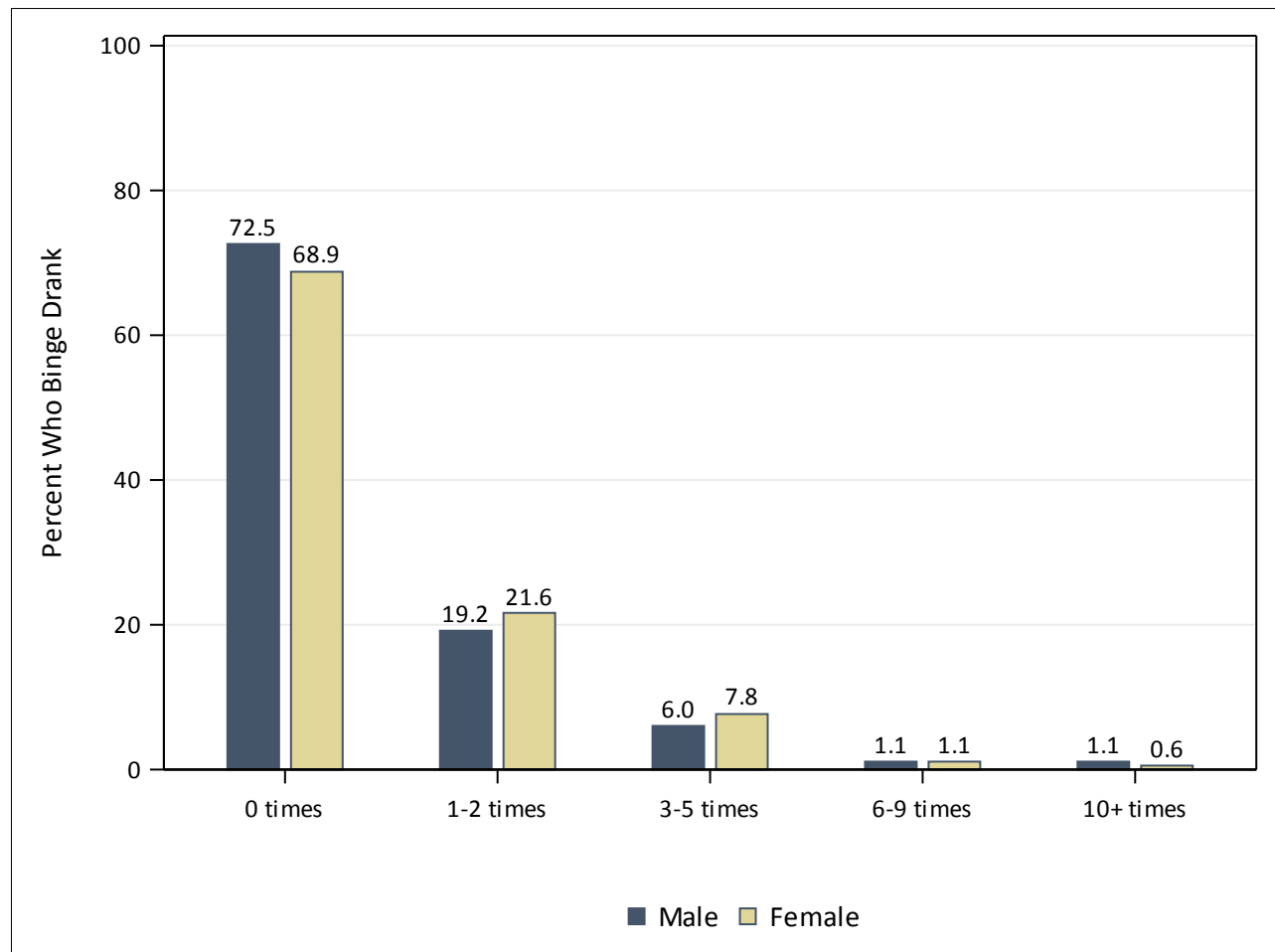
Binge drinking was defined in the Indiana College Substance Use Survey as four or more drinks in a row for females and five or more drinks in a row for males. This gender-specific standard follows the definition established by the National Institute on Alcohol Abuse and Alcoholism.

Table 6. Percentage of Students Reporting Binge Drinking in the Past Two Weeks, by Select Demographic Characteristics, 2016

All Students		Gender		Age	
SAMPLE U	Indiana	Males	Females	Under 21	21 or older
29.8	35.7	27.5	31.1	21.9	38.2

Note. Binge drinking was defined as consuming 4 or more drinks in a row for females and 5 or more drinks in a row for males. Because of the small number of transgender students, their results are not displayed in the gender columns.

Figure 1. Percentage of Students Who Binge Drank Select Number of Times in the Past Two Weeks, By Gender, 2016.



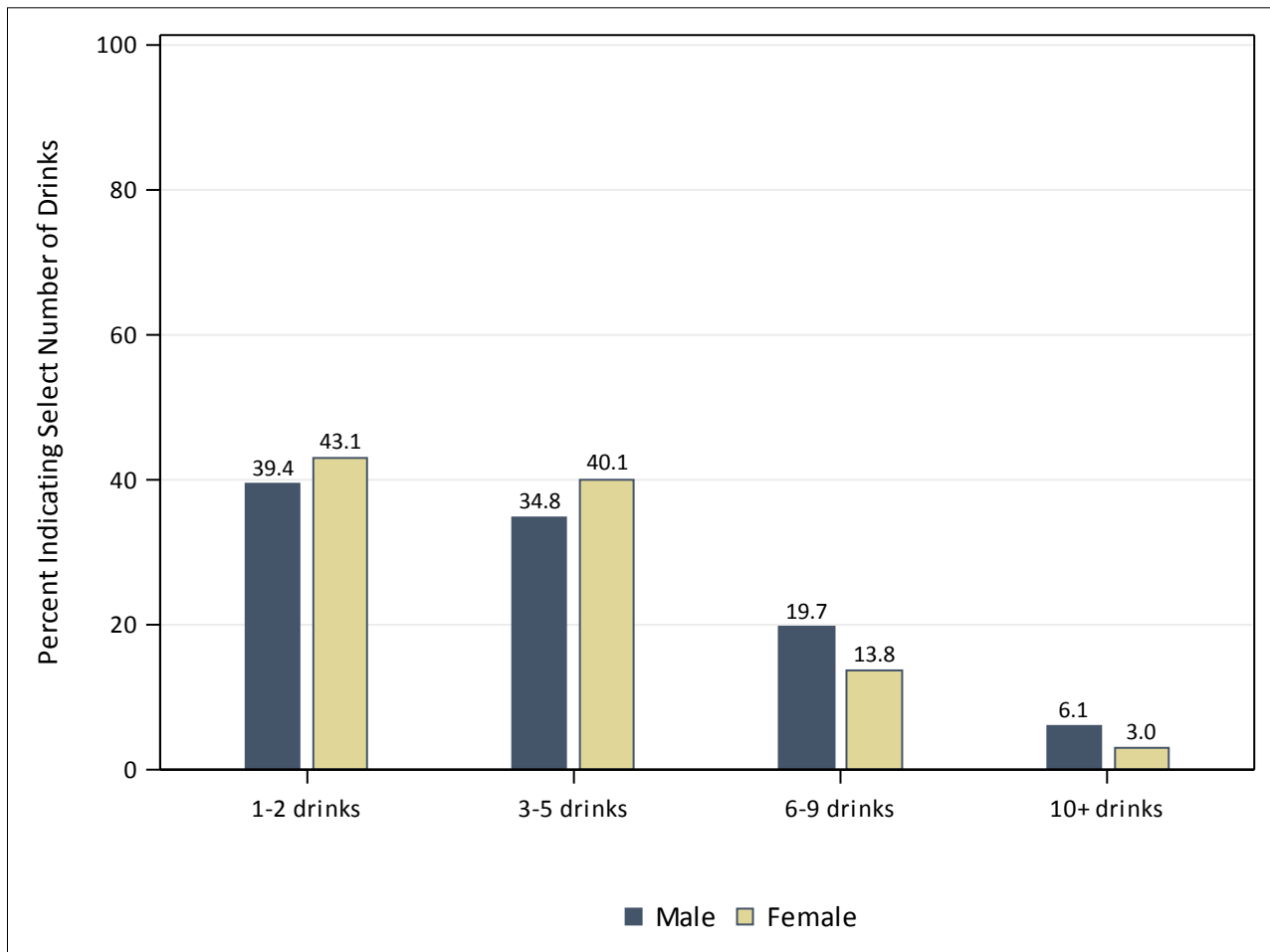
Note: Because of the small number of transgender students, their results are not displayed.

Table 7. Mean Number of Drinks Respondents Typically Consume When They Drink Alcohol, by Select Demographic Characteristics, 2016 (Range = 0-15)

	All Students		Gender		Age	
	SAMPLE U	Indiana	Males	Females	Under 21	21 or older
Mean	3.6	3.8	4.0	3.4	4.0	3.2
Standard Deviation	2.6	2.8	3.1	2.3	2.8	2.3

Note. Out of students who reported ever drinking alcohol (n = 435). Because of the small number of transgender students, their results are not displayed in the gender columns.

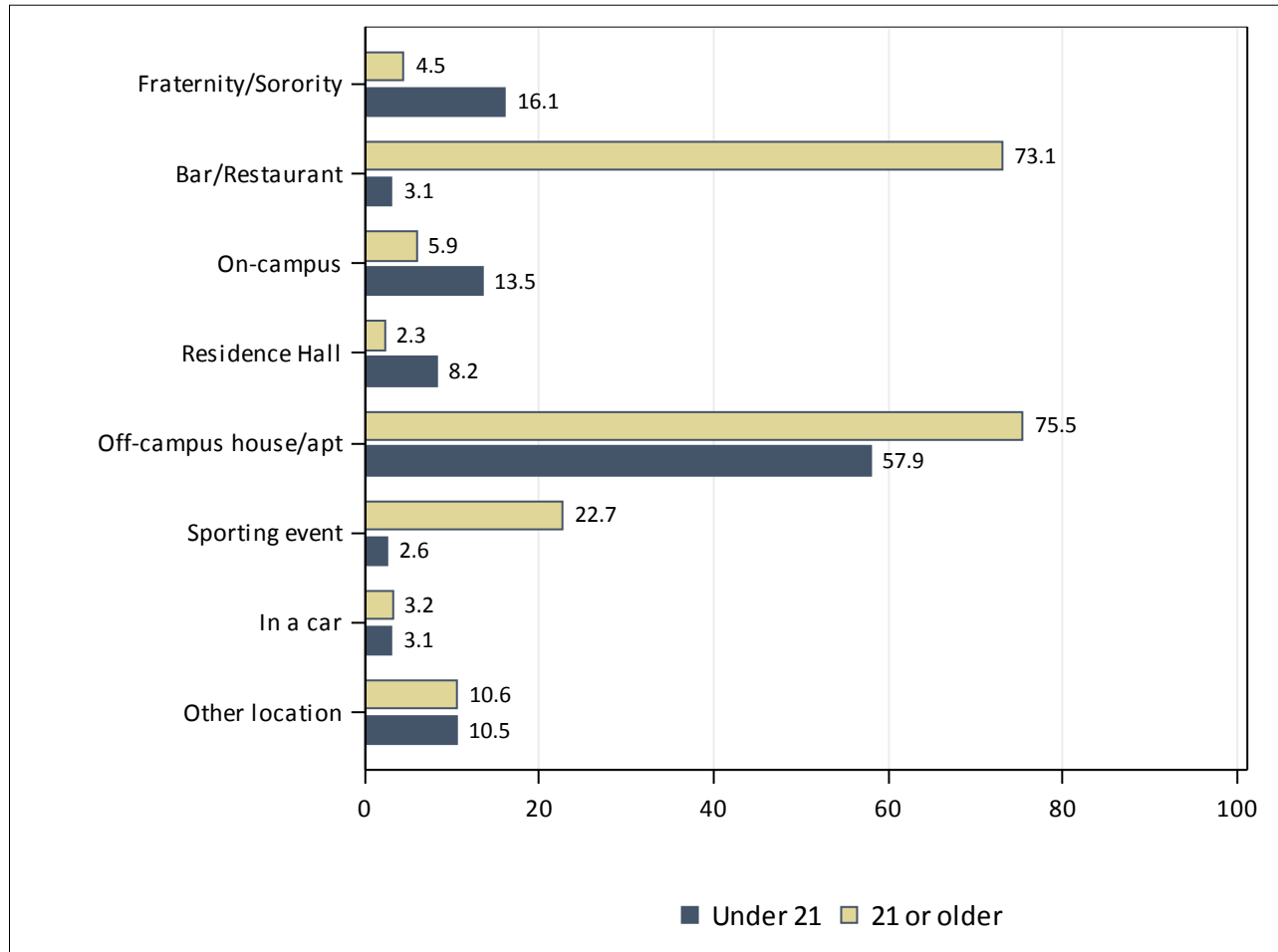
Figure 2. Percentage of Students Who Typically Consume Select Number of Drinks on Occasions When They Drink Alcohol, by Gender, 2016



Note. Out of students who reported ever drinking alcohol (n = 435). Because of the small number of transgender students, their results are not displayed.

LOCATION AND TYPE OF ALCOHOL USE

Figure 3. Percentage of Students Who Reported Drinking Alcohol at Select Locations in the Past Year, by Age, 2016



Note. Out of students who reported ever drinking alcohol (n = 435). Responses of drinking alcohol at select location “sometimes,” “often,” or “always” are included.

Table 8. Percentage of Students Who Consumed Select Type of Alcohol in the Past Year, by Select Demographic Characteristics, 2016

Type	All Students		Gender		Age	
	SAMPLE U	Indiana	Males	Females	Under 21	21 or older
Liquor	63.2	62.6	64.2	62.5	59.6	66.4
Beer	47.3	49.0	64.7	38.8	38.9	54.8
Wine	47.8	46.1	35.3	54.2	36.1	58.0
Malt beverages ²	35.9	32.1	20.1	43.8	37.4	34.7
High alcohol drinks	12.8	12.0	12.6	13.0	14.6	11.3
Other	11.1	10.0	12.2	10.5	9.8	12.2

Note. Out of students who reported ever drinking alcohol (n = 435). Responses of drinking select type alcohol “sometimes”, “often”, or “always” are included. Because of the small number of transgender students, their results are not displayed in the gender columns.

REASONS FOR ALCOHOL USE

Table 9. Percentage of Students Who Indicated Select Reasons for Drinking Alcohol in the Past Year, by Select Demographic Characteristics, 2016

Reason	All Students		Gender		Age	
	SAMPLE U	Indiana	Males	Females	Under 21	21 or older
To have a good time with friends	83.6	83.7	81.8	84.5	81.0	85.9
To relax	59.1	56.5	51.8	62.6	51.8	65.6
To experiment	27.5	23.3	27.2	27.7	35.9	20.0
Because of boredom	17.9	17.5	22.8	15.5	19.6	16.4
To get away from my problems	15.5	13.7	11.7	17.4	18.6	12.7
Because of anger/frustration	12.5	11.7	10.2	13.7	10.8	14.1
To get through the day	5.6	4.3	6.6	5.1	5.7	5.5
Because I'm hooked	1.5	1.7	2.2	1.1	1.6	1.4

Note: Out of students who reported ever drinking alcohol (n = 435). Because of the small number of transgender students, their results are not displayed in the gender columns.

AGE OF FIRST TIME USE

Table 10. Percentage of Students Who Initiated Use of Substance After Starting College, 2016

Substance	All Students	
	SAMPLE U	Indiana
Alcohol	31.5	32.7
Marijuana	25.0	30.6
Cigarettes	24.0	30.5
Electronic vapor products	45.5	48.6
Cigars	22.3	28.5
Smoking tobacco with hookah	38.5	37.8
Chewing/smokeless tobacco	22.1	25.3
Prescription stimulants	44.9	56.9
Prescription painkillers	26.7	35.6
Prescription sedatives	23.7	49.0
Hallucinogens	46.0	54.3
Cocaine	56.7	65.4
Inhalants	36.8	39.2
Other illegal drugs	30.0	40.7

Note. Out of students who reported ever having used that substance. Only substances where ten or more students indicated use are included.

CONSEQUENCES OF ALCOHOL USE

Table 11. Percentage of Students Who Reported Experiencing Select Consequences in the Past Year as a Result of Drinking Alcohol, by Select Demographic Characteristics, 2016

Consequences	All Students		Gender		Age	
	SAMPLE U	Indiana	Males	Females	Under 21	21 or older
Had a hangover	62.1	57.1	60.9	62.9	57.0	66.5
Forgot where you were or what you did (blacked out)	24.3	26.9	23.9	24.5	23.1	25.3
Felt bad or guilty about your drinking	24.8	25.4	26.1	24.3	21.5	27.7
Did something you later regretted	24.0	25.2	23.2	24.5	25.1	23.1
Engaged in unprotected sexual intercourse (i.e., without a condom)	18.1	17.4	13.8	20.3	17.4	18.6
Missed class or an assignment	13.8	14.4	17.4	12.0	13.0	14.5
Driven a car while under the influence	12.5	11.5	13.9	11.6	9.2	15.5
Been hurt or injured because of drinking	9.6	11.0	10.1	9.4	11.3	8.2
Created problems between you and your friends or family members	8.9	10.9	8.0	9.4	6.2	11.3
Had friends or family members worry or complain about your drinking	10.1	10.2	8.7	10.8	6.2	13.6
Been in trouble with police, residence hall, or other college authorities	1.4	4.2	2.2	1.1	1.0	1.8
Gotten into physical fights when drinking	4.6	4.0	8.0	2.9	3.1	5.9
Gotten into trouble at work or college because of drinking	1.5	3.3	2.2	1.1	1.0	1.8
Been ticketed	1.0	2.5	0.7	1.1	2.1	0.0
Been arrested for drunk driving	0.5	0.6	0.7	0.4	0.5	0.5

Note. Out of students who reported ever drinking alcohol (n = 435). Because of the small number of transgender students, their results are not displayed in the gender columns.

Table 12. Percentage of Students Who Reported Select Sexual Acts in the Past Year While Under the Influence of Alcohol, by Select Demographic Characteristics, 2016

	All Students		Gender		Age	
	SAMPLE U	Indiana	Males	Females	Under 21	21 or older
Experienced unwanted sexual activity	6.8	6.8	2.9	8.7	6.7	6.8
Took advantage of someone sexually	0.2	0.7	0.7	0.0	0.5	0.0

Note. Out of students who reported ever drinking alcohol (n = 435). Because of the small number of transgender students, their results are not displayed in the gender columns.

Table 13. Percentage of Students Who Reported Experiencing Select Consequences in the Past Year as a Result of Someone Else’s Drinking, by Select Demographic Characteristics, 2016

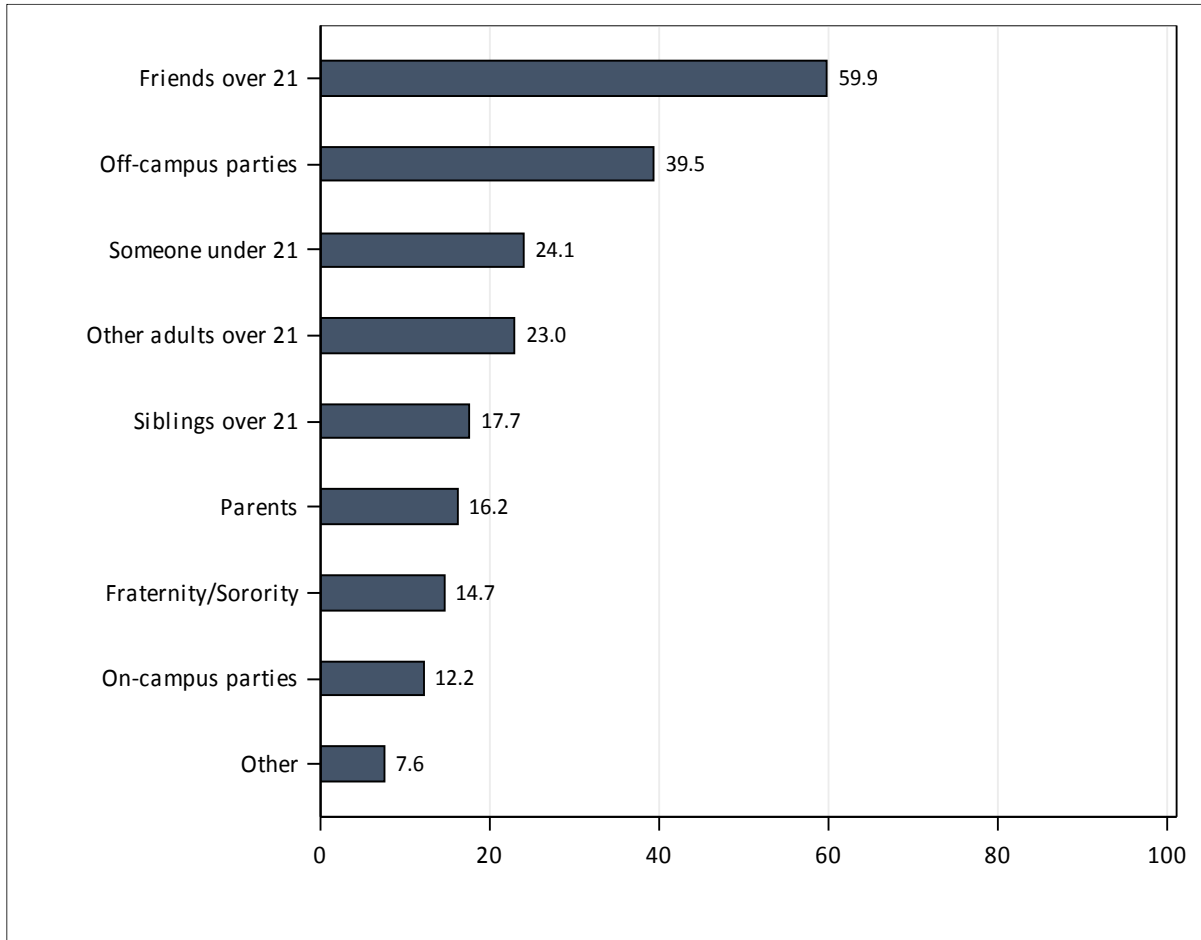
Consequence	All Students		Gender		Age	
	SAMPLE U	Indiana	Males	Females	Under 21	21 or older
Had to take care of another student who drank too much	40.6	46.6	41.5	40.2	43.1	37.9
Had your studying or sleep interrupted	24.8	32.4	23.4	25.6	24.7	24.9
Had to act as a designated driver for another student because he or she drank	31.4	33.0	31.4	31.4	28.7	34.1
Found vomit in the halls or other areas of your residence	14.2	22.1	19.3	11.6	15.2	13.0
Had your belongings or property damaged	11.3	13.3	14.2	9.9	12.6	10.0

Note: Because of the small number of transgender students, their results are not displayed in the gender columns.

RISK FACTORS

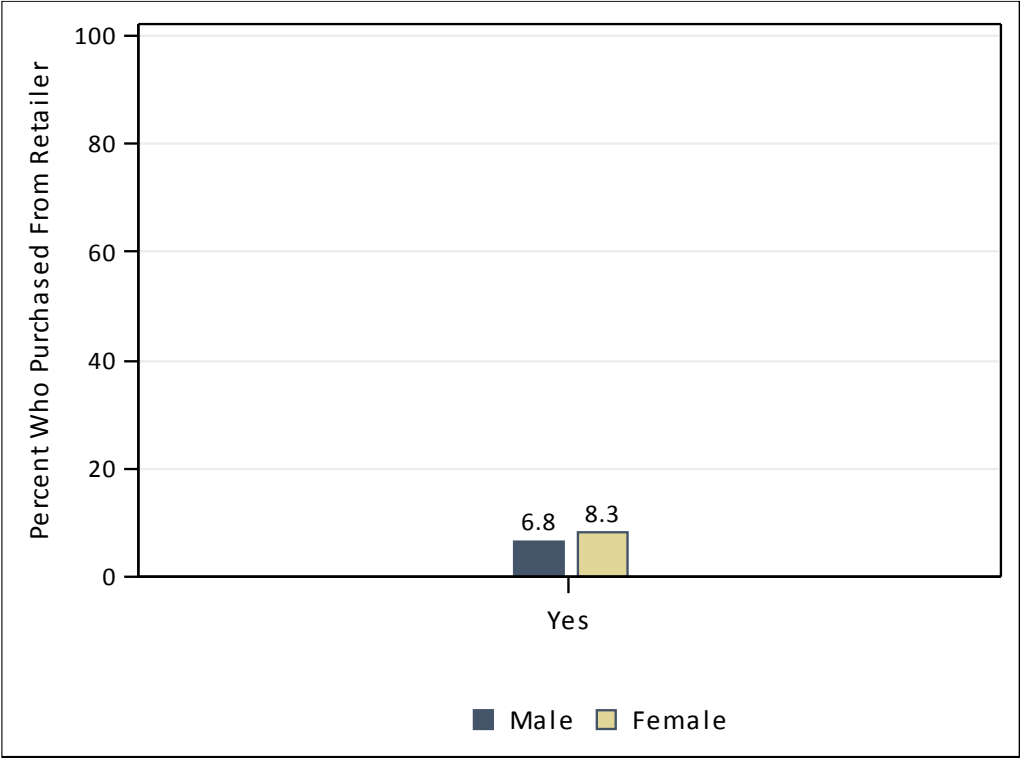
ALCOHOL AVAILABILITY

Figure 4. Percentage of Students Under 21 Who Obtained Alcohol from Select Sources, 2016



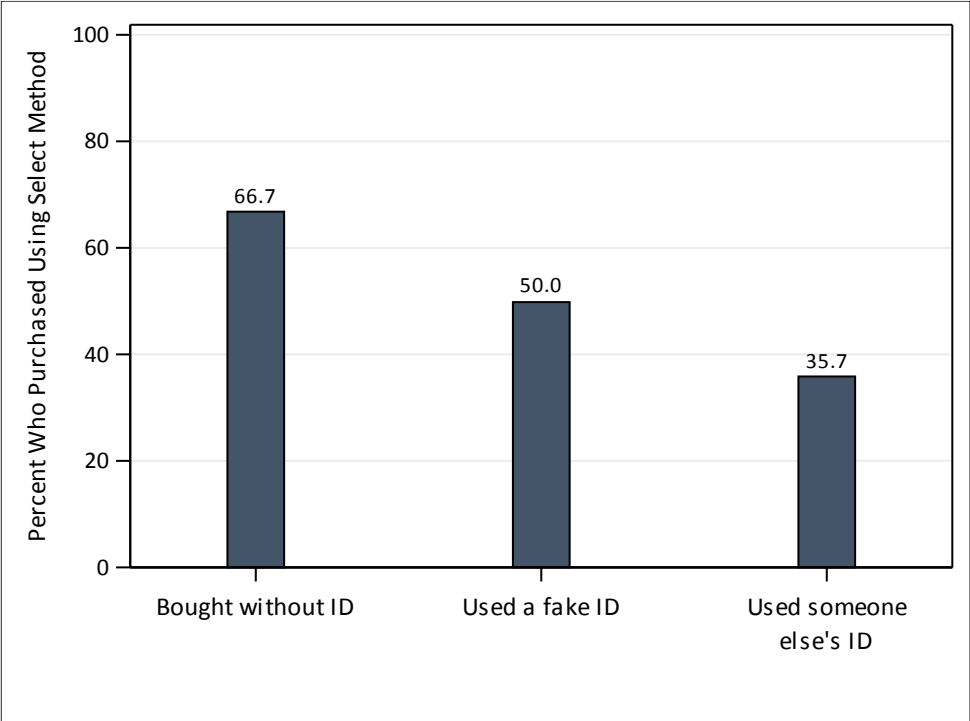
Note. Out of students under 21 who reported ever drinking alcohol (n = 204). Responses of obtaining alcohol from select source “sometimes”, “often”, or “always” are included.

Figure 5. Percentage of Students Under 21 Who Reported Purchasing Alcohol from a Retailer in the Past Year, by Gender, 2016



Note. Out of students under 21 who reported ever drinking alcohol (n = 204). Because of the small number of transgender students, their results are not displayed.

Figure 6. Percentage of Students Under 21 Who Reported Purchasing Alcohol from a Retailer Using Select Methods, 2016



Note: Out of students under 21 who have purchased alcohol from a retailer in the past year (n = 15).

Figure 7. Percentage of Students Under 21 Who Reported Purchasing Alcohol from Retailers, Who Have Purchased at Select Retailers, 2016



Note: Out of students under 21 who have purchased alcohol from a retailer in the past year (n = 15).

PERCEPTION OF PEER BEHAVIORS AND BELIEFS

Students were asked to estimate the percentage of students at their school who drank alcohol in the past month.

Table 14. Perceived Percentage of Students at Your School Who Use Alcohol, by Select Demographic Characteristics of Respondent, 2016

Perceived percent who use alcohol	All Students		Gender		Age	
	SAMPLE U	Indiana	Males	Females	Under 21	21 or older
0%	1.7	1.5	1.7	1.7	1.9	1.6
5% - 25%	11.8	14.5	13.1	10.9	16.0	7.4
30% - 50%	34.4	26.7	37.1	33.1	44.8	23.6
55% - 75%	37.1	39.2	37.1	37.1	27.6	46.9
80% - 100%	15.0	18.1	10.9	17.1	9.7	20.5

Note: Because of the small number of transgender students, their results are not displayed in the gender columns.

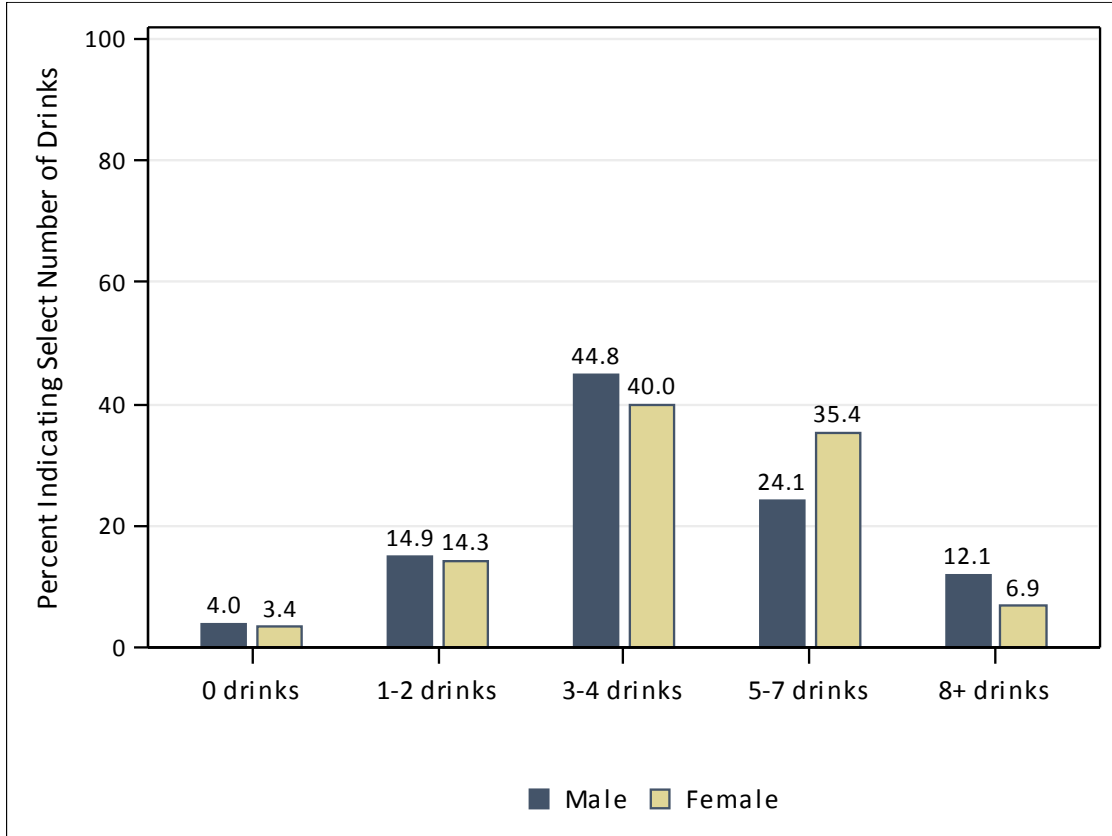
Students were also asked how many alcoholic drinks they thought the typical student at their school consumed the last time he or she partied/socialized. Students could provide any figure between 0 – 30.

Table 15. Mean Number of Drinks Respondents Think the Typical Student Consumed the Last Time He/She “Partied/Socialized”, by Select Demographic Characteristics, 2016 (range = 0 – 30)

	All Students		Gender		Age	
	SAMPLE U	Indiana	Males	Females	Under 21	21 or older
Mean	4.2	4.4	4.3	4.2	4.1	4.4
Standard Deviation	2.2	2.5	2.4	2.1	2.2	2.2

Note: Because of the small number of transgender students, their results are not displayed in the gender columns.

Figure 8. Percentage of Students Who Indicated Select Number of Drinks They Think the Typical Student Consumed the Last Time He/She “Partied/Socialized”, by Gender, 2016 (range = 0 – 30)



Note: Because of the small number of transgender students, their results are not displayed.

Table 16. Percentage of Students Who Thought Their Close Friends Would Disapprove of Their Use of Select Substances, by Select Demographic Characteristics, 2016

Substance	All Students		Gender		Age	
	SAMPLE U	Indiana	Males	Females	Under 21	21 or older
Having five or more alcoholic drinks in one sitting	45.9	44.0	39.2	49.4	48.5	43.3
Using marijuana	52.0	55.4	50.9	52.4	53.6	50.4
Using prescription medication not prescribed to you	85.8	82.0	79.5	88.9	85.8	85.8

Note: Responses of “Strongly Disapprove” or “Somewhat Disapprove” are included. Because of the small number of transgender students, their results are not displayed in the gender columns.

Table 17. Percentage of Students Under 21 Who Think an Underage Student Who Drinks Alcohol at Select Locations Would Be Ticketed, by Select Demographic Characteristics of Respondent, 2016

Location	All Students		Gender	
	SAMPLE U	Indiana	Males	Females
On-campus housing	59.2	54.8	47.0	64.7
Off-campus housing	23.8	22.1	17.1	26.8
On-campus party	65.8	55.6	58.5	69.0
Off-campus party	32.8	28.0	32.1	33.2
Athletic event	55.1	56.6	43.9	60.1
Other places in the community	49.6	44.2	53.7	47.8

Note: Responses of “Very Likely” or “Somewhat Likely” are included. (n = 286). Because of the small number of transgender students, their results are not displayed in the gender columns.

MENTAL HEALTH

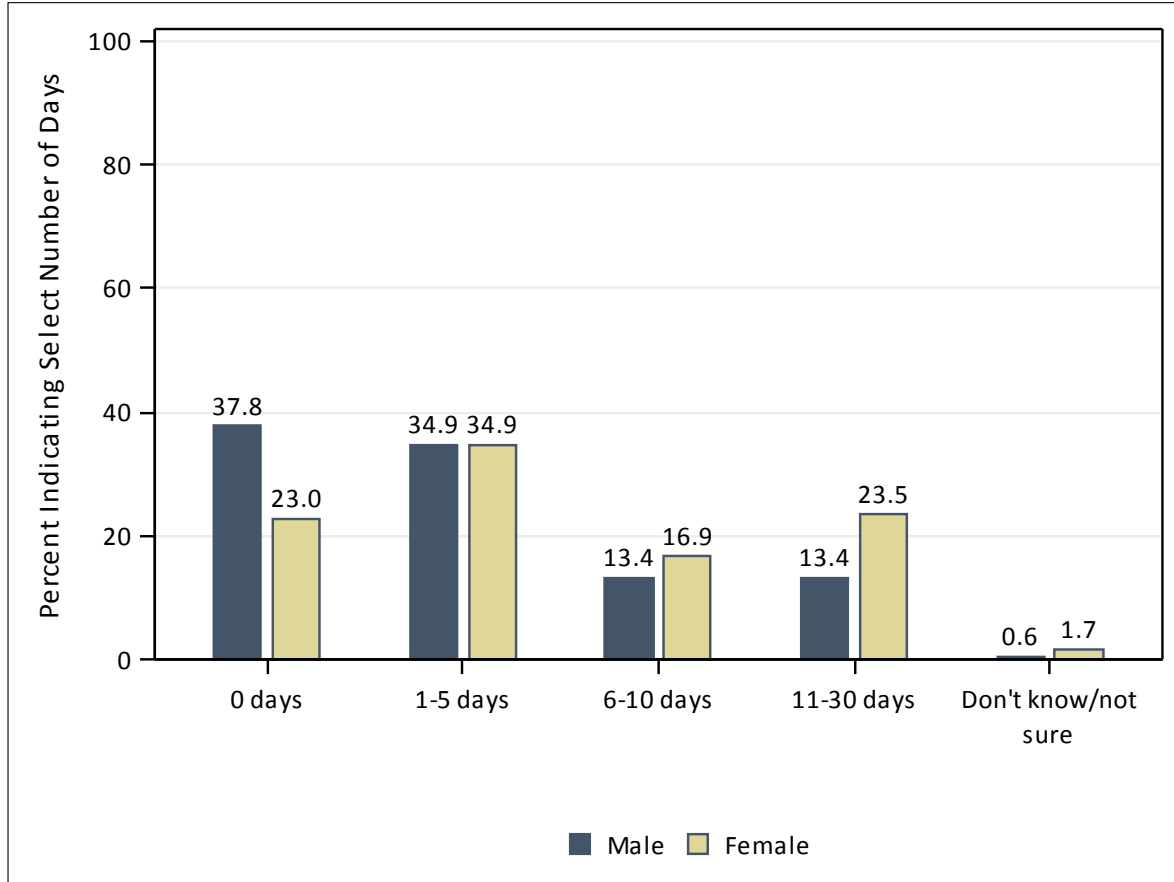
The Indiana College Substance Use Survey asked three questions to assess students' mental health status. Students were asked on how many days in the past month their mental health was not good, including experiencing stress, depression, or problems with emotions. They were also asked if, in the past year, they had experienced feeling so sad or hopeless almost every day for two weeks or more in a row that they stopped doing some usual activities, and if they had ever seriously considered attempting suicide.

Table 18. Mean Number of Mentally Unhealthy Days During the Past Month, by Select Demographic Characteristics, 2016 (range = 0 – 30)

	All Students		Gender		Age	
	SAMPLE U	Indiana	Males	Females	Under 21	21 or older
Mean	8.1	6.9	5.7	9.3	7.8	8.3
Standard Deviation	13.5	11.7	10.2	14.8	13.0	14.1

Note. Survey question: "Thinking about your mental health, which includes stress, depression, and problems with emotions, for how many days during the past 30 days was your mental health not good?" Because of the small number of transgender students, their results are not displayed in the gender columns.

Figure 9. Percentage of Students Who Indicated Select Number of Days During Past Month When Their Mental Health Was Not Good, by Gender, 2016



Note. Survey question: “Thinking about your mental health, which includes stress, depression, and problems with emotions, for how many days during the past 30 days was your mental health not good?” Because of the small number of transgender students, their results are not displayed.

Table 19. Percentage of Students Who Reported Feeling Sadness or Suicidal Ideation in the Past Year, by Select Demographic Characteristics, 2016

	All Students		Gender		Age	
	SAMPLE U	Indiana	Males	Females	Under 21	21 or older
Felt sad or hopeless	23.7	21.2	17.4	26.7	24.9	22.6
Considered attempting suicide	9.6	7.1	5.8	11.3	9.9	9.4

Note: Sadness survey question: “During the past 12 months did you ever feel so sad or hopeless almost every day for two weeks or more in a row that you stopped doing some usual activities?” Because of the small number of transgender students, their results are not displayed in the gender columns.

GAMBLING BEHAVIOR

Table 20. Percentage of Students Who Reported Gambling Behaviors in the Past Year, by Select Demographic Characteristics, 2016

Gambling Behavior	All Students		Gender		Age	
	SAMPLE U	Indiana	Males	Females	Under 21	21 or older
Lottery	28.5	32.9	34.7	25.4	30.3	26.6
Personal challenges/dares	9.8	12.6	14.0	7.8	13.3	6.3
Card games	8.5	11.3	20.2	2.6	7.6	9.4
Sports	6.2	11.0	15.0	1.7	4.9	7.4
At a casino	8.7	10.1	12.9	6.4	1.5	16.1
Personal games of skill	8.3	9.0	18.0	3.5	5.7	10.9
Bingo	3.7	4.3	3.5	3.8	1.9	5.4
Online gambling	1.2	1.4	2.9	0.3	0.4	1.9
At informal locations	0.6	0.7	1.2	0.3	0.4	0.8
Bet/gambled in other ways	4.0	3.8	7.5	2.3	5.7	2.3

Note: Because of the small number of transgender students, their results are not displayed in the gender columns.

Figure 10. Percentage of Students Who Reported Weekly or More Frequent Gambling in the Past Year, by Gambling Category, 2016

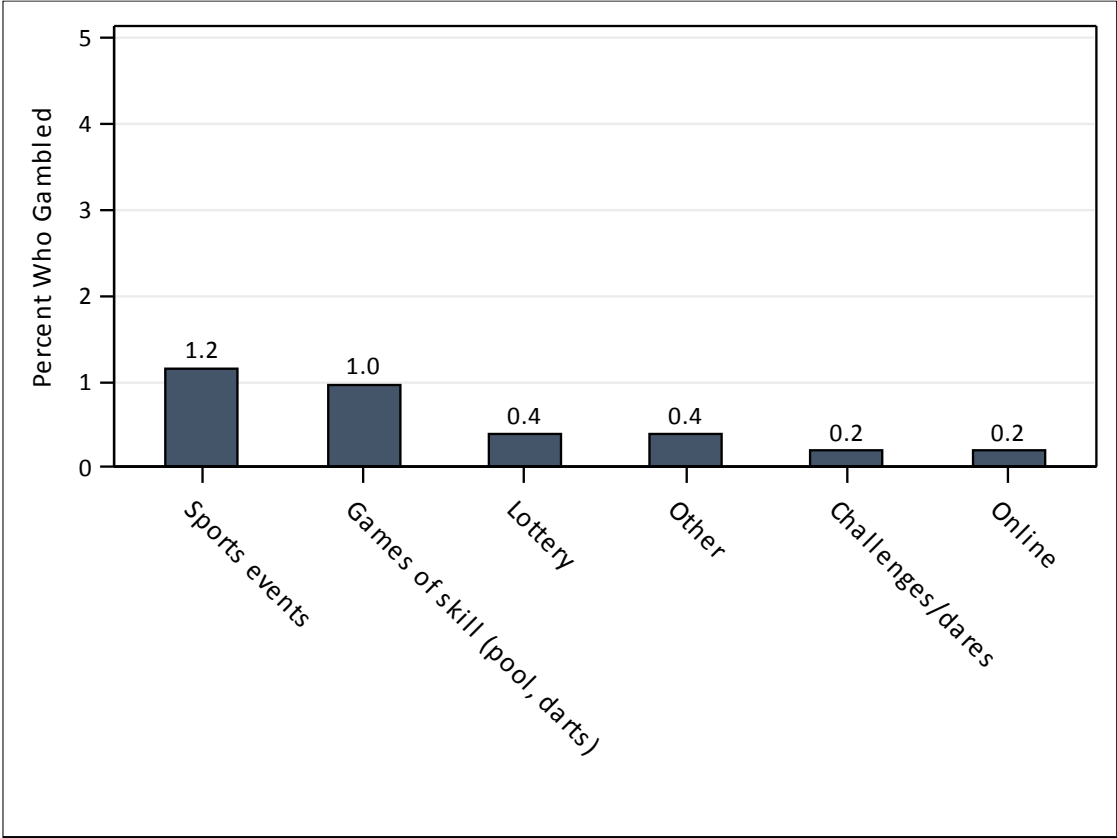
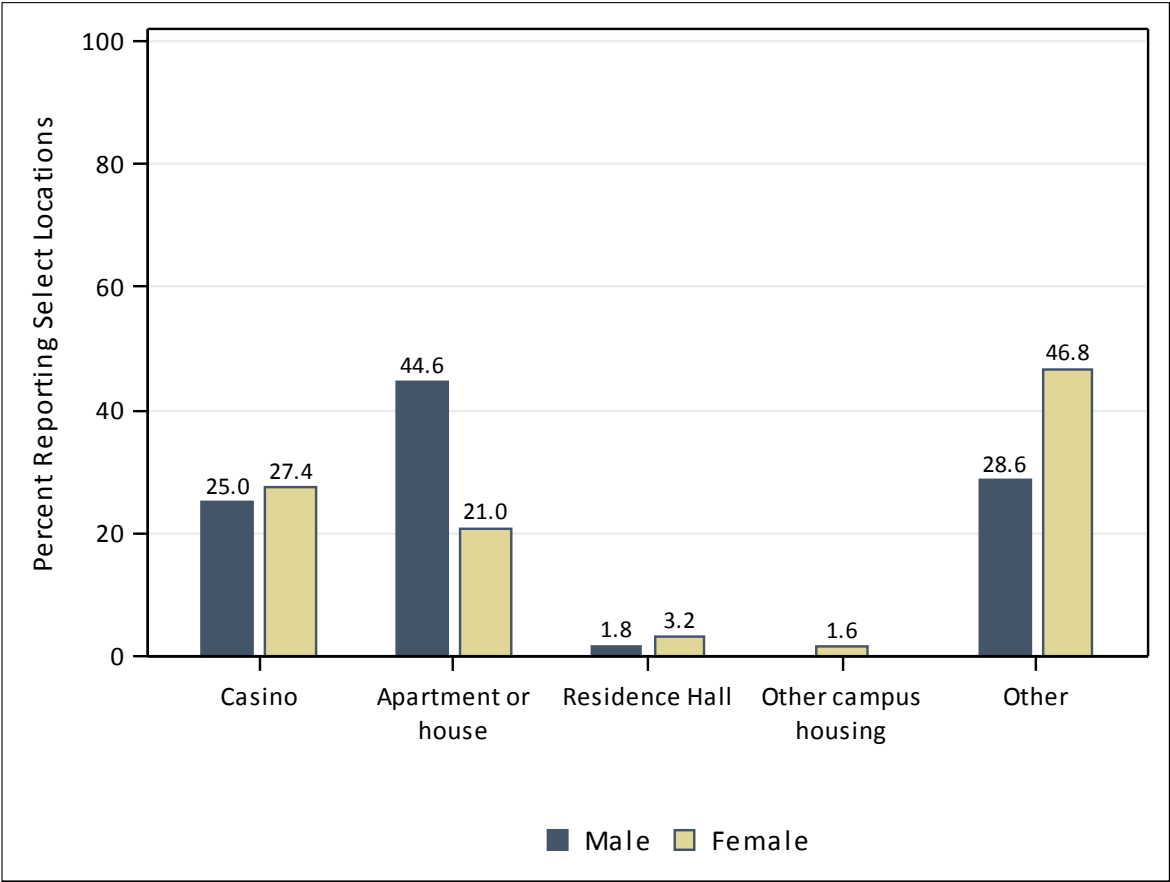


Figure 11. Percentage of Students Who Gambled in the Past Year, Who Reported Select Locations as Their Most Frequent Gambling Location, by Gender, 2016



Note. Does not include students who only gambled online or playing the lottery (n = 118). Because of the small number of transgender students, their results are not displayed.

Table 21. Percentage of Students Who Gambled in the Past Year, Who Reported Select Consequences as a Result of Their Gambling, 2016

Consequence	All Students		Gender		Age	
	SAMPLE U	Indiana	Males	Females	Under 21	21 or older
Lost possessions or money	16.4	15.4	24.5	10.4	13.5	19.3
Felt bad about gambling	5.5	5.2	9.6	2.4	2.7	8.3
Issues with friends and family	2.3	1.6	3.2	1.6	1.8	2.8
Academic problems	1.8	1.3	2.1	1.6	0.0	3.7
Poor health	1.4	1.1	2.1	0.8	0.0	2.8
Issues with legal system	0.5	0.6	1.1	0.0	0.0	0.9

Note: n = 225. Because of the small number of transgender students, their results are not displayed in the gender columns.

CHARACTERISTICS OF SURVEY PARTICIPANTS

Table 22. Demographic Characteristics of Survey Participants, 2016

	Frequency	%
Gender		
Male	191	34.3
Female	365	65.5
Transgender	1	0.2
Age		
Under 21	286	51.3
21 or older	271	48.7
Race		
White	423	75.9
Black/African American	54	9.7
Asian	22	3.9
Native American/Alaskan Native	3	0.5
Hawaiian/Pacific Islander	2	0.4
More than one race	22	3.9
Other	28	5.0
No answer	3	0.5
Ethnicity		
Hispanic	56	10.1
Non-Hispanic	500	89.8
No answer	1	0.2

Table 22 continued.

Classification		
1st year undergraduate	165	29.6
2nd year undergraduate	115	20.6
3rd year undergraduate	125	22.4
4th year undergraduate	105	18.9
5th year or more undergraduate	41	7.4
Grad/professional	2	0.4
Not seeking degree	0	0.0
Other	0	0.0
No answer	4	0.7
Student status		
Full-time	547	98.2
Part-time	8	1.4
No answer	2	0.4
Location of residence		
Fraternity/sorority house	0	0.0
Campus residence hall	72	12.9
Other on-campus housing	52	9.3
Off-campus	431	77.4
No answer	2	0.4
Greek affiliation		
Yes	61	11.0
No	494	88.7
No answer	2	0.4