



NATIONAL COLLEGE HEALTH ASSESSMENT

Fall 2016 Reference Group **Executive Summary**



AMERICAN
COLLEGE
HEALTH
ASSOCIATION

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ACHA, the nation's principal advocate and leadership organization for college and university health, represents a diverse membership that provides and supports the delivery of health care and prevention and wellness services for the nation's 20 million college students. For more information about the association's programs and services, visit www.acha.org, and www.acha-ncha.org.

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Introduction

The ACHA-National College Health Assessment II (ACHA-NCHA II) is a national research survey organized by the American College Health Association (ACHA) to assist college health service providers, health educators, counselors, and administrators in collecting data about their students' habits, behaviors, and perceptions on the most prevalent health topics.

ACHA initiated the original ACHA-NCHA in 2000 and the instrument was used nationwide through the spring 2008 data collection period. The ACHA-NCHA now provides the largest known comprehensive data set on the health of college students, providing the college health and higher education fields with a vast spectrum of information on student health. A revised survey, the ACHA-NCHA-II, has been in use since the fall 2008 data collection period.

Please note the ACHA-NCHA II is not appropriate for trend comparison with items from the original ACHA-NCHA survey. Directly comparing pre- and post-redesign estimates on similar data points, without taking into account the impact of the survey's redesign, can lead to an erroneous conclusion.

Notes about this report:

1. Missing values have been excluded from analysis and only valid percents are included in this document.
2. Students responding "not applicable" were excluded from several analyses, which are specifically noted throughout this document. This will often explain differences observed between this document and the full data report.
3. ***A note about the use of sex and gender in this report:*** Survey responses are reported by sex based on the responses to questions 47a, 47b, and 47c. For the purpose of the ACHA-NCHA report documents, respondents are reported as male or female only when their responses to these three questions are consistent with one another. If students' gender identity is consistent with their sex at birth AND the student selects "no" for transgender, then respondents are designated as either *male* or *female*. If respondents select "yes" for transgender OR their sex at birth is not consistent with their gender identity, then they are designated as *non-binary*. A respondent that skips any of the three questions is designated as *unknown*. Totals displayed in this report include *non-binary* and *unknown* students.

For additional information about the survey's development, design, and methodology, email Mary T Hoban, PhD, MCHES, (mhoban@acha.org), E. Victor Leino, PhD (vleino@acha.org), or visit www.acha-ncha.org.

This Executive Summary highlights results of the ACHA-NCHA II Fall 2016 survey for Reference Group consisting of 33,512 respondents.

The overall response proportion was 22%.

Findings

A. General Health of College Students

■ 50.4 % of college students surveyed (57.5 % male and 47.6 % female) described their health as **very good or excellent**.

■ 84.8 % of college students surveyed (87.3 % male and 84.2 % female) described their health as **good, very good or excellent**.

Proportion of college students who reported being diagnosed or treated by a professional for any of the following health problems within the last 12 months:

Allergies:	21.0 %	Hepatitis B or C:	0.3 %
Asthma:	9.3 %	High blood pressure:	3.1 %
Back pain:	12.7 %	High cholesterol:	3.2 %
Broken bone/Fracture/Sprain:	6.4 %	HIV infection:	0.2 %
Bronchitis:	6.1 %	Irritable Bowel Syndrome:	3.2 %
Chlamydia:	1.5 %	Migraine headache:	9.7 %
Diabetes:	1.3 %	Mononucleosis:	1.5 %
Ear infection:	7.3 %	Pelvic Inflammatory Disease:	0.3 %
Endometriosis:	1.0 %	Repetitive stress injury:	1.8 %
Genital herpes:	0.8 %	Sinus infection:	17.6 %
Genital warts/HPV:	0.8 %	Strep throat:	12.1 %
Gonorrhea:	0.4 %	Tuberculosis:	0.3 %
		Urinary tract infection:	10.4 %

■ 56.1 % of college students (44.6 % male, 61.8 % female) reported being diagnosed or treated by a professional with one or more of the above conditions within the last 12 months.

Proportion of college students who reported any of the following:

Attention Deficit and Hyperactivity Disorder (ADHD)	7.8 %
Chronic illness (e.g., cancer, diabetes, auto-immune disorders)	5.2 %
Deafness/Hearing loss	1.9 %
Learning disability	4.2 %
Mobility/Dexterity disability	0.9 %
Partial sightedness/Blindness	2.5 %
Psychiatric condition	7.6 %
Speech or language disorder	0.9 %
Other disability	2.3 %

B. Disease and Injury Prevention

College students reported receiving the following vaccinations (shots):

- 68.8 % reported receiving vaccination against hepatitis B.
- 53.7 % reported receiving vaccination against Human Papillomavirus/HPV (cervical cancer vaccine).
- 46.9 % reported receiving vaccination against influenza (flu) in the last 12 months (shot or nasal mist).
- 73.6 % reported receiving vaccination against measles, mumps, rubella.
- 66.3 % reported receiving vaccination against meningococcal meningitis.
- 65.1 % reported receiving vaccination against varicella (chicken pox).

Other disease prevention practices reported by college students:

- 74.2 % reported having a dental exam and cleaning in the last 12 months.
- 32.4 % of males reported performing a testicular self exam in the last 30 days.
- 36.3 % of females reported performing a breast self exam in the last 30 days.
- 41.6 % of females reported having a routine gynecological exam in the last 12 months.
- 54.9 % reported using sunscreen regularly with sun exposure.
- 25.8 % reported ever being tested for Human Immunodeficiency Virus (HIV) infection.

College students reported the following behaviors within the last 12 months:

Percent (%)	N/A, did not do this activity within the last 12 months		Never*	Rarely or sometimes*	Mostly or always*
Wear a seatbelt when you rode in a car	0.3		0.4	3.5	96.1
Wear a helmet when you rode a bicycle	47.1		39.1	24.3	36.7
Wear a helmet when you rode a motorcycle	83.8		10.7	8.7	80.6
Wear a helmet when you were inline skating	84.3		49.5	15.7	34.8

* Students responding "N/A, did not do this activity within the last 12 months" were excluded.

C. Academic Impacts

Within the last 12 months, students reported the following factors affecting their individual academic performance, defined as: received a lower grade on an exam, or an important project; received a lower grade in the course; received an incomplete or dropped the course; or experienced a significant disruption in thesis, dissertation, research, or practicum work; (listed alphabetically):

Alcohol use:	3.3 %	Gambling:	0.3 %
Allergies:	2.5 %	Homesickness:	4.1 %
Anxiety:	24.9 %	Injury:	2.0 %
Assault (physical):	0.7 %	Internet use/computer games:	9.0 %
Assault (sexual):	1.3 %	Learning disability:	3.3 %
Attention Deficit/Hyperactivity Disorder:	5.8 %	Participation in extracurricular	
Cold/Flu/Sore throat:	13.0 %	activities:	9.4 %
Concern for a troubled friend		Pregnancy (yours or partner's):	0.8 %
or family member:	10.1 %	Relationship difficulties:	8.5 %
Chronic health problem or serious illness:	3.8 %	Roommate difficulties:	4.7 %
Chronic pain:	2.8 %	Sexually transmitted disease/	
Death of a friend or family member:	5.6 %	infection (STD/I):	0.4 %
Depression:	15.4 %	Sinus infection/Ear infection/	
Discrimination:	1.4 %	Bronchitis/Strep throat:	4.5 %
Drug use:	1.5 %	Sleep difficulties:	20.6 %
Eating disorder/problem:	1.5 %	Stress:	32.2 %
Finances:	6.7 %	Work:	14.2 %
		Other:	2.4 %

D. Violence, Abusive Relationships and Personal Safety

Within the last 12 months, college students reported experiencing:

	Percent (%)	Male	Female	Total
A physical fight		7.9	2.3	4.2
A physical assault (not sexual assault)		3.2	2.7	3.0
A verbal threat		23.9	16.6	19.2
Sexual touching without their consent		3.9	11.2	9.1
Sexual penetration attempt without their consent		0.9	4.5	3.5
Sexual penetration without their consent		0.5	2.9	2.3
Stalking		2.4	6.6	5.5
An emotionally abusive intimate relationship		6.4	10.9	9.6
A physically abusive intimate relationship		1.8	2.0	2.0
A sexually abusive intimate relationship		1.0	2.7	2.3

Findings continued

College students reported feeling *very safe* :

	Percent (%)	Male	Female	Total
On their campus (daytime)		88.0	84.8	85.5
On their campus (nighttime)		56.6	27.7	36.6
In the community surrounding their school (daytime)		59.2	48.7	51.9
In the community surrounding their school (nighttime)		32.8	13.6	19.6

E. Tobacco, Alcohol and Marijuana Use

Reported use versus perceived use - reported use for all students within the past 30 days compared with how often students perceived the typical student on campus used substances within the same time period. The last line of each table combines all categories of any use in the last 30 days.

Cigarette

	Percent (%)	Actual Use			Perceived Use		
		Male	Female	Total	Male	Female	Total
Never used		72.0	80.1	77.3	14.2	10.4	11.7
Used, but not in the last 30 days		14.7	11.6	12.6	15.0	11.4	12.5
Used 1-9 days		8.4	5.1	6.2	45.1	43.8	44.1
Used 10-29 days		2.1	1.3	1.6	14.5	16.6	16.0
Used all 30 days		2.8	1.9	2.2	11.2	17.9	15.8
<i>Any use within the last 30 days</i>		13.3	8.3	10.1	70.8	78.2	75.8

E-Cigarette

	Percent (%)	Actual Use			Perceived Use		
		Male	Female	Total	Male	Female	Total
Never used		79.4	87.8	85.0	17.1	14.8	15.6
Used, but not in the last 30 days		13.6	9.3	10.7	13.0	10.6	11.4
Used 1-9 days		4.2	2.0	2.7	43.9	42.3	42.7
Used 10-29 days		1.2	0.4	0.7	15.7	17.2	16.7
Used all 30 days		1.5	0.6	0.9	10.3	15.1	13.7
<i>Any use within the last 30 days</i>		7.0	2.9	4.3	70.0	74.6	73.1

Tobacco from a water pipe (hookah)

	Percent (%)	Actual Use			Perceived Use		
		Male	Female	Total	Male	Female	Total
Never used		77.5	81.6	80.3	22.7	16.2	18.3
Used, but not in the last 30 days		18.0	15.1	16.0	19.8	15.2	16.7
Used 1-9 days		3.7	2.9	3.2	45.5	50.1	48.6
Used 10-29 days		0.5	0.3	0.4	8.2	12.8	11.4
Used all 30 days		0.2	0.1	0.2	3.7	5.7	5.1
<i>Any use within the last 30 days</i>		4.5	3.3	3.7	57.4	68.7	65.0

Alcohol

	Percent (%)	Actual Use			Perceived Use		
		Male	Female	Total	Male	Female	Total
Never used		23.1	20.4	21.4	5.5	3.8	4.4
Used, but not in the last 30 days		13.3	14.7	14.4	2.0	1.7	1.8
Used 1-9 days		46.4	51.4	49.6	43.3	37.4	39.2
Used 10-29 days		15.8	12.9	13.8	37.6	42.7	41.0
Used all 30 days		1.4	0.6	0.9	11.7	14.5	13.6
Any use within the last 30 days		63.6	64.9	64.2	92.6	94.6	93.8

Marijuana

	Percent (%)	Actual Use			Perceived Use		
		Male	Female	Total	Male	Female	Total
Never used		60.9	63.6	62.6	11.2	7.6	8.9
Used, but not in the last 30 days		18.4	19.4	19.0	7.5	4.9	5.7
Used 1-9 days		12.6	12.0	12.2	48.4	44.4	45.5
Used 10-29 days		5.0	3.3	3.9	23.2	29.2	27.3
Used all 30 days		3.1	1.8	2.3	9.8	13.9	12.6
Any use within the last 30 days		20.7	17.1	18.4	81.4	87.5	85.5

Drinking and Driving

- 1.6 % of college students reported driving after having **5 or more drinks** in the last 30 days.*
- 20.3 % of college students reported driving after having **any alcohol** in the last 30 days.*

*Students responding "N/A, don't drive" and "N/A don't drink" were excluded from this analysis.

Estimated Blood Alcohol Concentration (or eBAC) of college students reporting 1 or more drinks the last time they "partied" or socialized. **Students reporting 0 drinks were excluded from the analysis.** Due to the improbability of a student surviving a drinking episode resulting in an extremely high eBAC, all students with an eBAC of 0.50 or higher are also omitted from these eBAC figures. eBAC is an estimated figure based on the reported number of drinks consumed during the last time they "partied" or socialized, their approximate time of consumption, sex, weight, and the average rate of ethanol metabolism.

Estimated BAC	Percent (%)	Male	Female	Total
< .08		69.2	67.6	68.1
< .10		76.1	75.7	75.8
Mean		0.06	0.07	0.07
Median		0.04	0.05	0.04
Std Dev		0.07	0.07	0.07

Findings continued

Reported number of drinks consumed the last time students "partied" or socialized. Only students reporting one or more drinks were included.

Number of drinks*	Percent (%)	Male	Female	Total
4 or fewer		48.2	67.3	61.6
5		11.3	11.7	11.5
6		9.4	8.2	8.5
7 or more		31.1	12.8	18.3
Mean		5.65	3.94	4.46
Median		5.00	3.00	4.00
Std Dev		4.46	2.76	3.56

* Students reporting 0 drinks were excluded.

Reported number of times college students consumed five or more drinks in a sitting within the last two weeks:

	Percent (%)	Male	Female	Total
N/A don't drink		27.0	24.9	25.8
None		34.1	46.1	42.3
1-2 times		25.7	22.0	23.0
3-5 times		10.7	6.1	7.5
6 or more times		2.5	1.0	1.5

Percent of college students who reported using prescription drugs that were not prescribed to them within the last 12 months:

	Percent (%)	Male	Female	Total
Antidepressants		2.1	2.7	2.6
Erectile dysfunction drugs		1.0	0.5	0.7
Pain killers		4.9	4.5	4.7
Sedatives		3.7	3.5	3.6
Stimulants		7.7	6.1	6.7
<i>Used 1 or more of the above</i>		12.2	11.2	11.7

Findings continued

College students reported doing the following **most of the time** or **always** when they "partied" or socialized during the last 12 months:*

	Percent (%)	Male	Female	Total
Alternate non-alcoholic with alcoholic beverages		29.7	37.9	35.6
Avoid drinking games		33.7	40.3	38.5
Choose not to drink alcohol		20.4	25.4	24.0
Determine in advance not to exceed a set number of drinks		36.3	45.6	42.8
Eat before and/or during drinking		77.7	83.4	81.6
Have a friend let you know when you have had enough		32.6	47.7	43.1
Keep track of how many drinks being consumed		62.1	71.8	68.8
Pace drinks to one or fewer an hour		25.3	39.7	35.5
Stay with the same group of friends the entire time drinking		80.7	90.6	87.5
Stick with only one kind of alcohol when drinking		46.2	55.8	52.8
Use a designated driver		81.3	89.3	86.7
Reported one or more of the above		96.4	98.4	97.7

*Students responding "N/A, don't drink" were excluded from this analysis.

College students who drank alcohol reported experiencing the following in the last 12 months when drinking alcohol:*

	Percent (%)	Male	Female	Total
Did something you later regretted		32.6	33.5	33.1
Forgot where you were or what you did		28.4	27.9	28.0
Got in trouble with the police		2.7	1.9	2.1
Someone had sex with me without my consent		1.2	2.6	2.3
Had sex with someone without their consent		0.3	0.2	0.3
Had unprotected sex		22.0	21.2	21.4
Physically injured yourself		12.8	12.1	12.4
Physically injured another person		1.8	0.8	1.2
Seriously considered suicide		3.3	3.2	3.4
Reported one or more of the above		51.1	50.0	50.3

*Students responding "N/A, don't drink" were excluded from this analysis.

F. Sexual Behavior

College students reported having the following number of sexual partners (oral sex, vaginal or anal intercourse) within the last 12 months:

	Percent (%)	Male	Female	Total
None		34.6	31.9	32.8
1		39.6	44.2	42.6
2		8.7	9.8	9.5
3		5.9	5.6	5.7
4 or more		11.2	8.4	9.4

Number of partners among students reporting to have at least one sexual partner within the last 12 months:*

	Male	Female	Total
Mean	2.58	2.00	2.21
Median	1.00	1.00	1.00
Std Dev	4.66	2.62	3.58

*Students reporting 0 sexual partners within the last 12 months were excluded.

College students reported having oral, vaginal or anal sex in the last 30 days:

Oral sex within the past 30 days

	Percent (%)	Male	Female	Total
No, have never done this sexual activity		31.4	31.0	31.1
No, have done this sexual activity but not in the last 30 days		25.3	24.9	25.0
Yes		43.3	44.2	43.9

Vaginal sex within the past 30 days

	Percent (%)	Male	Female	Total
No, have never done this sexual activity		37.1	33.2	34.5
No, have done this sexual activity but not in the last 30 days		20.5	17.3	18.4
Yes		42.4	49.4	47.1

Anal sex within the past 30 days

	Percent (%)	Male	Female	Total
No, have never done this sexual activity		73.1	77.1	75.6
No, have done this sexual activity but not in the last 30 days		20.1	18.5	19.1
Yes		6.8	4.4	5.3

Findings continued

Using a condom or other protective barrier within the last 30 days (**mostly or always**):

	Percent (%)	Male	Female	Total
Sexually active students reported*				
Oral sex		4.8	5.0	5.1
Vaginal intercourse		53.7	46.3	48.4
Anal intercourse		34.5	20.2	26.0

*Students responding "Never did this sexual activity" or "Have not done this during the last thirty days" were excluded from the analysis.

Contraceptive use reported by students or their partner the last time they had vaginal intercourse:

	Percent (%)	Male	Female	Total
Yes, used a method of contraception		50.0	55.0	53.1
Not applicable/Didn't use a method/Don't know		50.0	45.0	46.9

If YES to contraceptive use the last time student had vaginal intercourse, reported means of birth control used among college students or their partner to prevent pregnancy:

	Percent (%)	Male	Female	Total
Birth control pills (monthly or extended cycle)		61.0	58.3	58.9
Birth control shots		4.6	3.8	4.1
Birth control implants		6.1	5.9	6.0
Birth control patch		1.4	0.8	1.0
Vaginal ring		2.8	2.7	2.8
Intrauterine device		8.5	9.6	9.3
Male condom		69.5	60.0	62.9
Female condom		0.8	0.6	0.7
Diaphragm or cervical cap		0.5	0.2	0.3
Contraceptive sponge		0.5	0.1	0.3
Spermicide (foam, jelly, cream)		6.1	2.5	3.6
Fertility awareness (calendar, mucous, basal body temperature)		6.4	8.4	7.9
Withdrawal		29.3	35.2	33.5
Sterilization (hysterectomy, tubes tied, vasectomy)		2.0	2.4	2.3
Other method		2.2	1.7	1.9
Male condom use plus another method		54.6	49.0	50.5
Any two or more methods (excluding male condoms)		33.3	35.3	34.7

- 14.7 % of sexually active college students reported using (or reported their partner used) emergency contraception ("morning after pill") within the last 12 months. (male: 12.5 %; female: 15.8 %).*

*Students responding "Not sexually active" were excluded from the analysis.

- 1.3 % of college students who had vaginal intercourse within the last 12 months reported experiencing an unintentional pregnancy or got someone pregnant within the last 12 months. (male: 1.2 %; female: 1.3 %).**

**Students responding "Have not had vaginal intercourse within the last 12 months" were excluded from the analysis.

G. Nutrition and Exercise

College students reported usually eating the following number of servings of fruits and vegetables per day:

	Percent (%)	Male	Female	Total
0 servings per day		10.5	8.4	9.1
1-2 per day		64.0	62.8	63.0
3-4 per day		21.8	24.5	23.7
5 or more per day		3.8	4.3	4.2

College students reported the following behaviors within the past 7 days:

Do moderate-intensity cardio or aerobic exercise for at least 30 minutes:

	Percent (%)	Male	Female	Total
0 days		22.5	24.9	24.3
1-4 days		55.8	57.4	56.7
5-7 days		21.7	17.7	19.0

Do vigorous-intensity cardio or aerobic exercise for at least 20 minutes:

	Percent (%)	Male	Female	Total
0 days		37.1	46.9	43.9
1-2 days		32.2	29.2	30.1
3-7 days		30.7	23.9	26.0

Physical Activity and Public Health: Updated Recommendations for Adults. From the American College of Sports Medicine and the American Heart Association (2007): Moderate-intensity cardio or aerobic exercise for at least 30 minutes on 5 or more days per week, or vigorous-intensity cardio or aerobic exercise for at least 20 minutes on 3 or more days per week.

Students meeting the Recommendations for moderate-intensity exercise, vigorous-intensity exercise, or a combination of the two (2 moderate-intensity exercise periods = 1 vigorous-intensity exercise period).

	Percent (%)	Male	Female	Total
Guidelines met		49.0	41.6	43.9

Estimated average Body Mass Index (BMI): This figure incorporates reported height, and weight to form a general indicator of physical health. Categories defined by The World Health Organization (WHO) 2000, reprinted 2004. Obesity: Preventing and Managing the Global Epidemic. WHO Tech Report Series: 894.

BMI	Percent (%)	Male	Female	Total
<18.5 Underweight		4.0	5.4	5.0
18.5-24.9 Healthy Weight		54.1	58.9	57.3
25-29.9 Overweight		28.8	20.8	23.3
30-34.9 Class I Obesity		8.7	8.5	8.6
35-39.9 Class II Obesity		2.8	3.6	3.5
≥40 Class III Obesity		1.5	2.8	2.5
Mean		25.02	24.78	24.89
Median		24.21	23.30	23.59
Std Dev		5.38	5.88	6.04

H. Mental Health

Students reported experiencing the following within the last 12 months:

Felt things were hopeless

Percent (%)	Male	Female	Total
No, never	39.4	27.7	31.1
No, not last 12 months	17.9	18.3	18.1
Yes, last 2 weeks	17.6	22.8	21.5
Yes, last 30 days	7.8	10.6	9.8
Yes, in last 12 months	17.3	20.6	19.6
Any time within the last 12 months	42.7	54.0	50.9

Felt overwhelmed by all you had to do

Percent (%)	Male	Female	Total
No, never	16.5	6.2	9.5
No, not last 12 months	7.5	3.2	4.5
Yes, last 2 weeks	43.4	61.3	55.8
Yes, last 30 days	15.7	15.9	15.7
Yes, in last 12 months	16.9	13.5	14.5
Any time within the last 12 months	76.0	90.7	86.0

Felt exhausted (not from physical activity)

Percent (%)	Male	Female	Total
No, never	18.9	8.5	11.8
No, not last 12 months	7.9	4.7	5.6
Yes, last 2 weeks	43.6	58.6	54.1
Yes, last 30 days	14.7	15.3	15.0
Yes, in last 12 months	15.0	12.9	13.5
Any time within the last 12 months	73.2	86.8	82.6

Felt very lonely

Percent (%)	Male	Female	Total
No, never	29.4	19.1	22.2
No, not last 12 months	17.9	17.2	17.2
Yes, last 2 weeks	23.6	29.4	27.9
Yes, last 30 days	10.6	14.2	13.2
Yes, in last 12 months	18.4	20.1	19.5
Any time within the last 12 months	52.7	63.7	60.6

Felt very sad

Percent (%)	Male	Female	Total
No, never	26.7	15.6	19.0
No, not last 12 months	17.4	14.2	15.0
Yes, last 2 weeks	23.2	33.3	30.5
Yes, last 30 days	11.9	14.6	13.7
Yes, in last 12 months	20.9	22.3	21.7
Any time within the last 12 months	55.9	70.2	66.0

Felt overwhelming anxiety

Percent (%)	Male	Female	Total
No, never	38.8	22.4	27.3
No, not last 12 months	14.5	10.8	11.9
Yes, last 2 weeks	19.1	32.3	28.5
Yes, last 30 days	10.5	14.8	13.5
Yes, in last 12 months	17.0	19.7	18.8
Any time within the last 12 months	46.7	66.8	60.8

Seriously considered suicide

Percent (%)	Male	Female	Total
No, never	79.2	74.5	75.2
No, not last 12 months	11.9	15.1	14.4
Yes, last 2 weeks	2.3	2.1	2.3
Yes, last 30 days	1.2	1.6	1.6
Yes, in last 12 months	5.3	6.7	6.5
Any time within the last 12 months	8.8	10.4	10.4

Intentionally cut, burned, bruised, or otherwise injured yourself

Percent (%)	Male	Female	Total
No, never	87.3	77.6	80.0
No, not last 12 months	8.4	14.9	13.1
Yes, last 2 weeks	1.2	1.6	1.7
Yes, last 30 days	0.7	1.2	1.1
Yes, in last 12 months	2.4	4.6	4.1
Any time within the last 12 months	4.3	7.5	6.9

Felt so depressed that it was difficult to function

Percent (%)	Male	Female	Total
No, never	48.8	38.7	41.4
No, not last 12 months	20.0	20.8	20.4
Yes, last 2 weeks	11.3	15.5	14.7
Yes, last 30 days	6.3	8.4	7.8
Yes, in last 12 months	13.6	16.5	15.7
Any time within the last 12 months	31.3	40.4	38.2

Felt overwhelming anger

Percent (%)	Male	Female	Total
No, never	42.1	36.0	37.6
No, not last 12 months	22.1	21.2	21.4
Yes, last 2 weeks	11.8	14.7	14.0
Yes, last 30 days	7.9	9.8	9.3
Yes, in last 12 months	16.1	18.3	17.7
Any time within the last 12 months	35.8	42.8	41.0

Attempted suicide

Percent (%)	Male	Female	Total
No, never	92.1	89.3	89.7
No, not last 12 months	6.2	8.9	8.4
Yes, last 2 weeks	0.5	0.2	0.4
Yes, last 30 days	0.2	0.1	0.2
Yes, in last 12 months	1.0	1.3	1.3
Any time within the last 12 months	1.7	1.7	1.9

Within the last 12 months, diagnosed or treated by a professional for the following:

	Percent (%)	Male	Female	Total
Anorexia		0.7	1.8	1.5
Anxiety		9.7	22.8	19.1
Attention Deficit and Hyperactivity Disorder		7.0	5.4	6.1
Bipolar Disorder		1.3	1.7	1.8
Bulimia		0.6	1.3	1.2
Depression		9.0	17.3	15.2
Insomnia		3.4	5.2	4.9
Other sleep disorder		2.3	2.3	2.4
Obsessive Compulsive Disorder		2.1	3.5	3.2
Panic attacks		3.6	11.9	9.6
Phobia		0.9	1.4	1.4
Schizophrenia		0.6	0.2	0.4
Substance abuse or addiction		1.6	0.9	1.2
Other addiction		0.9	0.3	0.6
Other mental health condition		2.3	3.1	3.1
<i>Students reporting none of the above</i>		81.1	69.6	72.7
<i>Students reporting only one of the above</i>		8.3	9.2	8.9
<i>Students reporting both Depression and Anxiety</i>		6.2	14.2	12.1
<i>Students reporting any two or more of the above excluding the combination of Depression and Anxiety</i>		4.8	9.3	8.3

Within the last 12 months, any of the following been traumatic or very difficult to handle:

	Percent (%)	Male	Female	Total
Academics		40.9	51.5	48.4
Career-related issue		24.3	27.4	26.5
Death of family member or friend		12.2	17.8	16.2
Family problems		19.4	32.2	28.6
Intimate relationships		27.8	31.3	30.4
Other social relationships		21.0	29.2	27.0
Finances		28.6	36.4	34.1
Health problem of family member or partner		14.9	21.7	19.7
Personal appearance		18.9	32.5	28.6
Personal health issue		14.0	24.0	21.2
Sleep difficulties		25.3	31.8	30.1
Other		8.1	9.5	9.5
<i>Students reporting none of the above</i>		32.2	21.0	24.3
<i>Students reporting only one of the above</i>		14.4	12.0	12.7
<i>Students reporting 2 of the above</i>		13.1	11.8	12.2
<i>Students reporting 3 or more of the above</i>		40.3	55.2	50.8

Within the last 12 months, how would you rate the overall level of stress experienced:

	<i>Percent (%)</i>	Male	Female	Total
No stress		4.0	0.9	2.0
Less than average stress		12.1	4.3	6.7
Average stress		38.0	34.5	35.3
More than average stress		37.7	46.5	43.7
Tremendous stress		8.2	13.7	12.2

I. Sleep

Past 7 days, getting enough sleep to feel rested in the morning:

	<i>Percent (%)</i>	Male	Female	Total
0 days		11.1	14.4	13.6
1-2 days		28.0	33.8	32.0
3-5 days		47.2	42.5	43.8
6+ days		13.6	9.3	10.6

Past 7 days, how often felt tired, dragged out, or sleepy during the day:

	<i>Percent (%)</i>	Male	Female	Total
0 days		13.3	6.5	8.7
1-2 days		33.6	26.4	28.4
3-5 days		39.7	46.1	44.1
6+ days		13.4	20.9	18.9

Past 7 days, how much of a problem with sleepiness during daytime activities:

	<i>Percent (%)</i>	Male	Female	Total
No problem		13.8	7.6	9.5
A little problem		47.8	44.9	45.7
More than a little problem		23.8	26.9	26.0
A big problem		10.7	14.4	13.3
A very big problem		3.8	6.1	5.5

Demographics and Student Characteristics

■ Age:

18 - 20 years:	52.4 %
21 - 24 years:	30.0 %
25 - 29 years:	9.3 %
30+ years:	8.3 %

■ Gender*

Female:	67.1 %
Male:	30.4 %
Non-binary	2.5 %

■ Student status:

1st year undergraduate:	25.1 %
2nd year undergraduate:	18.1 %
3rd year undergraduate:	18.6 %
4th year undergraduate:	16.7 %
5th year or more undergraduate:	5.5 %
Graduate or professional:	15.4 %
Not seeking a degree:	0.2 %
Other:	0.5 %
Full-time student:	91.2 %
Part-time student:	8.1 %
Other student:	0.7 %

■ Relationship status:

Not in a relationship:	52.1 %
In a relationship but not living together:	33.4 %
In a relationship and living together:	14.5 %

■ Marital status:

Single:	88.4 %
Married/Partnered:	9.0 %
Separated/Divorced/Other:	2.6 %

■ Primary Source of Health Insurance:

College/university sponsored plan:	14.2 %
Parents' plan:	67.3 %
Another plan:	14.0 %
Don't have health insurance:	3.4 %
Not sure if have plan:	1.1 %

■ Students describe themselves as:

White:	68.2 %
Black or African American:	6.9 %
Hispanic or Latino/a:	11.7 %
Asian or Pacific Islander:	12.4 %
American Indian, Alaskan Native or Native Hawaiian:	2.1 %
Biracial or Multiracial:	3.8 %
Other:	2.6 %

■ International Student:

International:	7.7 %
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■ Students describe themselves as:

Asexual:	6.0 %
Bisexual:	5.7 %
Gay:	1.6 %
Lesbian:	1.0 %
Pansexual:	1.5 %
Queer:	0.7 %
Questioning:	1.4 %
Same Gender Loving:	0.1 %
Straight/Heterosexual:	81.1 %
Another identity:	0.9 %

■ Housing:

Campus residence hall:	39.0 %
Fraternity or sorority house:	1.2 %
Other university housing:	3.4 %
Parent/guardian home:	16.2 %
Other off-campus housing:	35.0 %
Other:	5.1 %

■ Participated in organized college athletics:

Varsity:	7.5 %
Club sports:	10.5 %
Intramurals:	17.1 %

■ Member of a social fraternity or sorority:

Greek member:	10.6 %
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* See note on page 2 regarding gender categories

Demographics of Participating Institutions

Fifty nine postsecondary institutions self-selected to participate in the Fall 2016 ACHA National College Health Assessment and 36,385 surveys were completed by students on these campuses. For the purpose of forming the Reference Group, only institutions located in the United States that surveyed all students or used a random sampling technique are included in the analysis, yielding a final data set consisting of 33,512 students at 51 schools. Demographic characteristics of the 51 campuses follow.

Demographical Characteristics of the 51 US Postsecondary Institutions Included in the Fall 2016 ACHA-NCHA II Reference Group	
Campus Characteristic	<i>n</i>
Type of Institution	
Public	29
Private	22
2-year	3
4-year or above	48
Location of Campus	
Northeast (CT, ME, MA, NH, NJ, NY, PA, RI, VT)	11
Midwest (IL, IN, IA, KS, MI, MN, MO, NE, ND, OH, SD, WI)	16
South (AL, AR, DE, DC, FL, GA, KY, LA, MD, MS, NC, OK, SC, TN, TX, VA, WV)	16
West (AK, AZ, CA, CO, HI, ID, MT, NV, NM, OR, UT, WA, WY)	8
Campus Size	
< 2,500 students	13
2,500 – 4,999 students	8
5,000 – 9,999 students	10
10,000 – 19,999 students	7
20,000 students or more	13
Campus Setting	
Very large city (population over 500,000)	9
Large city (population 250,000-499,999)	9
Small city (population 50,000-249,999)	13
Large town (population 10,000 – 49,999)	14
Small town (population 2,500-9,999)	4
Rural community (population under 2,500)	2
Carnegie Classification	
Associates Colleges	3
Baccalaureate Associates Colleges	6
Baccalaureate Colleges	10
Masters Colleges and Universities	11
Research Institutions	21
Special Focus Institutions	0
Miscellaneous/Not Classified	0

Demographical Characteristics of the 51 US Postsecondary Institutions Included in the Fall 2016 ACHA-NCHA II Reference Group	
Campus Characteristic	<i>n</i>
ACHA Membership Status	
Institutional Member	43
Nonmember	8
Religious Affiliation	
No	42
Yes	9
<u>If yes:</u>	
Catholic	7
Protestant or Other Christian	2
Postsecondary Minority Institution (US Department of Education)	
No	46
Yes	5
<u>*If yes:</u>	
Postsecondary Minority Institution	1
Historically Black College or University (HBCU)	0
High Hispanic Enrollment	1
Hispanic-serving Institution (HSI)	3
Tribal College or University	0
Predominately Black Institution	0
Asian American and Native American Pacific Islander-serving	1
Alaska Native-serving or Native Hawaiian-serving Institution	1
Native American-serving Nontribal Institution	0
*institutions may hold more than one type of minority status	

	All Fall 2016 Institutions	Paper Survey Administration	Web Survey Administration
Number of institutions	51	3	48
Number of students	33,512	1,690	31,822
Mean response proportion	22%	100%	17%
Median response proportion	17%	100%	15%