



Alberta Reference Group

Executive Summary

Spring 2019

The ACHA-NCHA II supports the health of the campus community by fulfilling the academic mission, supporting short- and long-term healthy behaviors, and gaining a current profile of health trends within the campus community.

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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.achancho.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), or visit www.acha-ncha.org.

This Executive Summary highlights results of the ACHA-NCHA II Spring 2019 survey for Alberta Reference Group consisting of 15,102 respondents.

The overall response proportion was 22%.

Findings

A. General Health of College Students

■ 41.4 % of college students surveyed (47.4 % male and 39.6 % female) described their health as *very good or excellent* .

■ 78.1 % of college students surveyed (81.0 % male and 77.6 % 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:	14.2 %	Hepatitis B or C:	0.3 %
Asthma:	9.3 %	High blood pressure:	3.6 %
Back pain:	20.8 %	High cholesterol:	1.9 %
Broken bone/Fracture/Sprain:	7.4 %	HIV infection:	0.2 %
Bronchitis:	5.2 %	Irritable Bowel Syndrome:	4.3 %
Chlamydia:	1.7 %	Migraine headache:	13.4 %
Diabetes:	1.4 %	Mononucleosis:	0.7 %
Ear infection:	6.3 %	Pelvic Inflammatory Disease:	0.3 %
Endometriosis:	1.6 %	Repetitive stress injury:	3.6 %
Genital herpes:	0.8 %	Sinus infection:	12.7 %
Genital warts/HPV:	0.5 %	Strep throat:	11.6 %
Gonorrhea:	0.4 %	Tuberculosis:	0.3 %
		Urinary tract infection:	11.1 %

■ 58.0 % of college students (45.6 % male, 63.6 % 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)	9.5 %
Chronic illness (e.g., cancer, diabetes, auto-immune disorders)	6.8 %
Deafness/Hearing loss	2.7 %
Learning disability	7.4 %
Mobility/Dexterity disability	1.5 %
Partial sightedness/Blindness	3.1 %
Psychiatric condition	8.6 %
Speech or language disorder	1.2 %
Other disability	3.1 %

B. Disease and Injury Prevention

College students reported receiving the following vaccinations (shots):

- 70.0 % reported receiving vaccination against hepatitis B.
- 44.8 % reported receiving vaccination against Human Papillomavirus/HPV (cervical cancer vaccine).
- 41.5 % reported receiving vaccination against influenza (flu) in the last 12 months (shot or nasal mist).
- 70.9 % reported receiving vaccination against measles, mumps, rubella.
- 53.1 % reported receiving vaccination against meningococcal meningitis.
- 56.6 % reported receiving vaccination against varicella (chicken pox).

Other disease prevention practices reported by college students:

- 67.6 % reported having a dental exam and cleaning in the last 12 months.
- 28.5 % of males reported performing a testicular self exam in the last 30 days.
- 31.8 % of females reported performing a breast self exam in the last 30 days.
- 28.4 % of females reported having a routine gynecological exam in the last 12 months.
- 54.0 % 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	0.4		0.3	2.2	97.5
Wear a helmet when you rode a bicycle	42.8		23.2	24.4	52.4
Wear a helmet when you rode a motorcycle	78.0		5.0	3.6	91.4
Wear a helmet when you were inline skating	69.5		34.9	20.5	44.6

* 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:	3.8 %	Gambling:	0.4 %
Allergies:	1.5 %	Homesickness:	4.8 %
Anxiety:	34.4 %	Injury:	3.2 %
Assault (physical):	1.0 %	Internet use/computer games:	15.0 %
Assault (sexual):	1.7 %	Learning disability:	5.8 %
Attention Deficit/Hyperactivity Disorder:	7.0 %	Participation in extracurricular activities:	7.2 %
Cold/Flu/Sore throat:	19.4 %	Pregnancy (yours or partner's):	1.1 %
Concern for a troubled friend or family member:	16.2 %	Relationship difficulties:	12.4 %
Chronic health problem or serious illness:	5.1 %	Roommate difficulties:	5.3 %
Chronic pain:	5.1 %	Sexually transmitted disease/infection (STD/I):	0.6 %
Death of a friend or family member:	8.9 %	Sinus infection/Ear infection/Bronchitis/Strep throat:	5.5 %
Depression:	23.4 %	Sleep difficulties:	29.8 %
Discrimination:	1.7 %	Stress:	41.5 %
Drug use:	2.0 %	Work:	18.7 %
Eating disorder/problem:	1.9 %	Other:	3.3 %
Finances:	11.1 %		

D. Violence, Abusive Relationships and Personal Safety

Within the last 12 months, college students reported experiencing:

	Percent (%)	Male	Female	Total
A physical fight		9.7	3.6	5.4
A physical assault (not sexual assault)		4.9	4.2	4.4
A verbal threat		29.4	21.9	24.4
Sexual touching without their consent		4.9	14.3	11.5
Sexual penetration attempt without their consent		1.0	4.9	3.8
Sexual penetration without their consent		0.8	3.2	2.5
Stalking		3.2	8.9	7.3
An emotionally abusive intimate relationship		8.4	13.2	11.8
A physically abusive intimate relationship		2.7	2.8	2.8
A sexually abusive intimate relationship		1.3	3.9	3.2

Findings continued

College students reported feeling *very safe* :

	Percent (%)	Male	Female	Total
On their campus (daytime)		89.1	83.5	84.8
On their campus (nighttime)		61.0	30.1	39.2
In the community surrounding their school (daytime)		64.8	53.4	56.6
In the community surrounding their school (nighttime)		39.0	17.2	23.6

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		
		Male	Female	Total
Never used		67.4	73.7	71.7
Used, but not in the last 30 days		20.0	16.1	17.4
Used 1-9 days		6.8	4.8	5.4
Used 10-29 days		1.7	1.3	1.5
Used all 30 days		4.1	4.1	4.1
<i>Any use within the last 30 days</i>		12.6	10.2	11.0

Perceived Use		
Male	Female	Total
11.2	8.4	9.2
12.3	9.7	10.5
40.9	37.1	38.1
18.3	20.4	19.8
17.3	24.5	22.4
76.5	81.9	80.3

E-Cigarette

	Percent (%)	Actual Use		
		Male	Female	Total
Never used		69.0	79.2	76.0
Used, but not in the last 30 days		13.9	10.9	11.9
Used 1-9 days		7.1	5.5	6.0
Used 10-29 days		3.2	1.5	2.0
Used all 30 days		6.8	3.0	4.2
<i>Any use within the last 30 days</i>		17.1	9.9	12.1

Perceived Use		
Male	Female	Total
10.3	9.3	9.6
7.3	5.7	6.2
34.5	31.6	32.4
25.5	26.0	25.9
22.4	27.5	25.9
82.4	85.1	84.2

Tobacco from a water pipe (hookah)

	Percent (%)	Actual Use		
		Male	Female	Total
Never used		78.8	85.1	83.2
Used, but not in the last 30 days		17.1	12.2	13.8
Used 1-9 days		3.3	2.1	2.4
Used 10-29 days		0.5	0.4	0.4
Used all 30 days		0.3	0.1	0.2
<i>Any use within the last 30 days</i>		4.1	2.7	3.1

Perceived Use		
Male	Female	Total
23.4	18.6	20.1
20.5	18.0	18.8
44.7	47.4	46.4
8.2	11.3	10.4
3.2	4.7	4.2
56.1	63.4	61.0

Findings continued

Alcohol

	Percent (%)	Actual Use			Perceived Use		
		Male	Female	Total	Male	Female	Total
Never used		18.7	16.5	17.3	5.5	4.7	4.9
Used, but not in the last 30 days		15.7	18.0	17.4	1.8	1.8	1.8
Used 1-9 days		49.7	53.6	52.3	38.4	36.7	37.2
Used 10-29 days		13.9	11.2	12.0	39.9	42.3	41.6
Used all 30 days		2.0	0.6	1.1	14.3	14.6	14.5
Any use within the last 30 days		65.6	65.5	65.4	92.7	93.6	93.3

Marijuana

	Percent (%)	Actual Use			Perceived Use		
		Male	Female	Total	Male	Female	Total
Never used		52.2	55.3	54.2	8.9	7.7	8.0
Used, but not in the last 30 days		20.1	20.8	20.4	5.1	3.3	3.8
Used 1-9 days		15.4	15.6	15.6	43.0	37.3	38.9
Used 10-29 days		6.4	4.5	5.2	30.6	34.7	33.5
Used all 30 days		5.9	3.9	4.6	12.4	17.0	15.7
Any use within the last 30 days		27.8	23.9	25.4	86.0	89.0	88.1

Drinking and Driving

- 1.0 % of college students reported driving after having **5 or more drinks** in the last 30 days.*
- 21.3 % 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		70.1	62.2	64.8
< .10		76.6	69.2	71.5
Mean		0.06	0.08	0.07
Median		0.04	0.05	0.05
Std Dev		0.08	0.09	0.08

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		46.1	54.8	52.7
5		9.7	11.4	10.9
6		7.9	9.6	9.0
7 or more		36.2	24.1	27.4
Mean		6.16	4.88	5.24
Median		5.00	4.00	4.00
Std Dev		5.23	3.89	4.44

* 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		23.6	21.0	21.9
None		41.3	49.6	47.3
1-2 times		25.3	24.0	24.1
3-5 times		8.1	4.7	5.7
6 or more times		1.7	0.7	1.0

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		2.5	4.7	4.1
Erectile dysfunction drugs		1.5	0.7	0.9
Pain killers		5.7	6.4	6.3
Sedatives		2.4	2.8	2.8
Stimulants		5.8	4.5	4.9
<i>Used 1 or more of the above</i>		11.8	13.0	12.7

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		27.6	35.8	33.6
Avoid drinking games		33.1	34.6	34.4
Choose not to drink alcohol		22.3	26.9	25.8
Determine in advance not to exceed a set number of drinks		35.5	39.5	38.4
Eat before and/or during drinking		79.1	82.2	81.3
Have a friend let you know when you have had enough		27.1	37.6	34.5
Keep track of how many drinks being consumed		57.4	63.9	62.2
Pace drinks to one or fewer an hour		25.7	36.0	33.1
Stay with the same group of friends the entire time drinking		84.7	92.1	89.9
Stick with only one kind of alcohol when drinking		47.8	52.0	50.7
Use a designated driver		81.0	91.2	88.1
<i>Reported one or more of the above</i>		97.2	98.7	98.2

*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		35.5	34.4	34.8
Forgot where you were or what you did		25.9	25.7	25.8
Got in trouble with the police		2.7	0.7	1.3
Someone had sex with me without my consent		1.0	2.6	2.2
Had sex with someone without their consent		0.5	0.1	0.3
Had unprotected sex		26.8	27.8	27.3
Physically injured yourself		17.7	15.7	16.4
Physically injured another person		2.6	1.3	1.7
Seriously considered suicide		6.8	6.2	6.7
<i>Reported one or more of the above</i>		54.0	52.8	53.2

*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		35.5	29.0	31.2
1		41.8	49.7	47.0
2		7.4	8.1	7.9
3		4.4	4.2	4.3
4 or more		10.8	8.9	9.5

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

	Male	Female	Total
Mean	2.46	2.04	2.19
Median	1.00	1.00	1.00
Std Dev	4.26	3.41	3.85

*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		31.3	27.8	29.1
No, have done this sexual activity but not in the last 30 days		26.7	25.2	25.6
Yes		41.9	47.0	45.4

Vaginal sex within the past 30 days

	Percent (%)	Male	Female	Total
No, have never done this sexual activity		33.5	26.8	29.1
No, have done this sexual activity but not in the last 30 days		20.3	17.4	18.3
Yes		46.1	55.8	52.6

Anal sex within the past 30 days

	Percent (%)	Male	Female	Total
No, have never done this sexual activity		68.1	69.2	68.7
No, have done this sexual activity but not in the last 30 days		23.9	24.6	24.4
Yes		7.9	6.2	6.9

Findings continued

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

	Percent (%)	Male	Female	Total
<i>Sexually active students reported*</i>				
Oral sex		6.0	4.6	5.0
Vaginal intercourse		44.2	35.4	37.7
Anal intercourse		32.8	19.4	23.9

*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		51.5	59.2	56.4
Not applicable/Didn't use a method/Don't know		48.5	40.8	43.6

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)		55.5	51.4	52.2
Birth control shots		2.9	2.4	2.6
Birth control implants		4.6	2.3	2.9
Birth control patch		1.9	1.5	1.6
Vaginal ring		3.6	2.9	3.1
Intrauterine device		21.6	24.3	23.8
Male condom		61.7	49.5	52.9
Female condom		1.1	0.6	0.8
Diaphragm or cervical cap		0.9	0.2	0.4
Contraceptive sponge		0.4	0.2	0.2
Spermicide (foam, jelly, cream)		3.0	1.2	1.7
Fertility awareness (calendar, mucous, basal body temperature)		7.1	9.3	8.8
Withdrawal		27.3	31.3	30.1
Sterilization (hysterectomy, tubes tied, vasectomy)		2.6	4.1	3.8
Other method		3.0	2.3	2.5
Male condom use plus another method		47.1	40.5	42.4
Any two or more methods (excluding male condoms)		34.6	34.2	34.2

- 13.4 % of sexually active college students reported using (or reported their partner used) emergency contraception ("morning after pill") within the last 12 months. (male: 10.7 %; female: 14.5 %).*

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

- 1.7 % 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: 1.4 %; female: 1.8 %).**

**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		8.3	5.5	6.5
1-2 per day		60.0	55.5	56.8
3-4 per day		26.1	32.0	30.2
5 or more per day		5.6	7.0	6.5

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		24.6	26.5	26.2
1-4 days		55.9	57.8	57.0
5-7 days		19.5	15.7	16.7

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

	Percent (%)	Male	Female	Total
0 days		40.8	48.5	46.5
1-2 days		33.0	29.8	30.6
3-7 days		26.1	21.7	22.8

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		44.3	38.9	40.3

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		5.3	5.9	5.8
18.5-24.9 Healthy Weight		49.5	54.8	53.0
25-29.9 Overweight		31.3	22.1	24.9
30-34.9 Class I Obesity		8.9	9.6	9.5
35-39.9 Class II Obesity		2.9	4.3	3.9
≥40 Class III Obesity		2.1	3.3	3.0

Mean		25.21	25.16	25.22
Median		24.39	23.49	23.78
Std Dev		5.54	6.35	6.43

H. Mental Health

Students reported experiencing the following within the last 12 months:

Felt things were hopeless

	Percent (%)	Male	Female	Total
No, never		26.9	17.3	20.0
No, not last 12 months		19.6	17.5	18.0
Yes, last 2 weeks		20.3	25.0	24.0
Yes, last 30 days		9.4	13.5	12.4
Yes, in last 12 months		23.8	26.7	25.7
<i>Any time within the last 12 months</i>		53.5	65.2	62.1

Felt overwhelmed by all you had to do

	Percent (%)	Male	Female	Total
No, never		10.7	3.9	5.9
No, not last 12 months		7.4	3.0	4.3
Yes, last 2 weeks		40.0	56.7	51.9
Yes, last 30 days		16.4	17.2	17.0
Yes, in last 12 months		25.6	19.3	21.0
<i>Any time within the last 12 months</i>		81.9	93.1	89.8

Felt exhausted (not from physical activity)

	Percent (%)	Male	Female	Total
No, never		10.8	4.6	6.5
No, not last 12 months		6.7	3.5	4.4
Yes, last 2 weeks		44.4	58.7	54.6
Yes, last 30 days		16.2	16.0	16.0
Yes, in last 12 months		21.9	17.2	18.5
<i>Any time within the last 12 months</i>		82.5	91.9	89.1

Felt very lonely

	Percent (%)	Male	Female	Total
No, never		19.8	12.5	14.6
No, not last 12 months		20.4	17.0	17.8
Yes, last 2 weeks		25.6	31.0	29.7
Yes, last 30 days		11.4	15.6	14.4
Yes, in last 12 months		22.8	23.9	23.5
<i>Any time within the last 12 months</i>		59.7	70.5	67.6

Felt very sad

Percent (%)	Male	Female	Total
No, never	16.9	9.1	11.3
No, not last 12 months	17.6	11.7	13.4
Yes, last 2 weeks	24.8	37.2	33.9
Yes, last 30 days	13.0	16.3	15.3
Yes, in last 12 months	27.6	25.8	26.1
<i>Any time within the last 12 months</i>	65.5	79.2	75.3

Felt overwhelming anxiety

Percent (%)	Male	Female	Total
No, never	28.5	15.4	19.1
No, not last 12 months	17.1	10.0	12.0
Yes, last 2 weeks	20.5	33.8	30.2
Yes, last 30 days	11.5	15.3	14.2
Yes, in last 12 months	22.4	25.5	24.5
<i>Any time within the last 12 months</i>	54.4	74.6	68.9

Seriously considered suicide

Percent (%)	Male	Female	Total
No, never	69.9	63.9	64.9
No, not last 12 months	15.9	19.5	18.7
Yes, last 2 weeks	3.2	2.9	3.1
Yes, last 30 days	2.1	2.9	2.7
Yes, in last 12 months	8.9	10.8	10.5
<i>Any time within the last 12 months</i>	14.2	16.6	16.4

Intentionally cut, burned, bruised, or otherwise injured yourself

Percent (%)	Male	Female	Total
No, never	81.9	69.5	72.4
No, not last 12 months	11.8	20.0	17.8
Yes, last 2 weeks	1.6	2.5	2.4
Yes, last 30 days	1.1	1.7	1.7
Yes, in last 12 months	3.6	6.2	5.7
<i>Any time within the last 12 months</i>	6.4	10.5	9.7

Felt so depressed that it was difficult to function

Percent (%)	Male	Female	Total
No, never	36.6	27.4	29.8
No, not last 12 months	22.6	19.9	20.5
Yes, last 2 weeks	14.1	19.7	18.4
Yes, last 30 days	7.7	11.0	10.1
Yes, in last 12 months	19.1	22.0	21.2
<i>Any time within the last 12 months</i>	40.8	52.7	49.7

Felt overwhelming anger

Percent (%)	Male	Female	Total
No, never	30.9	25.4	26.9
No, not last 12 months	25.0	22.0	22.8
Yes, last 2 weeks	14.5	16.8	16.3
Yes, last 30 days	8.2	12.1	11.0
Yes, in last 12 months	21.4	23.7	23.1
<i>Any time within the last 12 months</i>	44.1	52.6	50.3

Attempted suicide

Percent (%)	Male	Female	Total
No, never	88.8	84.3	85.0
No, not last 12 months	9.0	13.2	12.4
Yes, last 2 weeks	0.6	0.3	0.4
Yes, last 30 days	0.3	0.2	0.2
Yes, in last 12 months	1.3	2.0	1.9
<i>Any time within the last 12 months</i>	2.2	2.5	2.6

Findings continued

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

	Percent (%)	Male	Female	Total
Anorexia		0.9	1.7	1.6
Anxiety		13.2	28.8	24.8
Attention Deficit and Hyperactivity Disorder		8.2	6.8	7.6
Bipolar Disorder		1.6	1.8	1.8
Bulimia		0.7	1.8	1.5
Depression		12.3	22.5	20.1
Insomnia		5.0	7.9	7.3
Other sleep disorder		4.1	4.1	4.2
Obsessive Compulsive Disorder		2.3	3.7	3.4
Panic attacks		5.3	15.8	13.1
Phobia		1.0	1.9	1.8
Schizophrenia		0.8	0.5	0.6
Substance abuse or addiction		2.2	1.8	2.1
Other addiction		2.1	1.2	1.6
Other mental health condition		3.9	5.9	5.7
<i>Students reporting none of the above</i>		75.0	62.0	65.2
<i>Students reporting only one of the above</i>		10.0	10.0	10.0
<i>Students reporting both Depression and Anxiety</i>		9.0	19.2	16.7
<i>Students reporting any two or more of the above excluding the combination of Depression and Anxiety</i>		7.8	13.3	12.1

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

	Percent (%)	Male	Female	Total
Academics		48.1	61.4	57.7
Career-related issue		32.6	36.8	35.7
Death of family member or friend		16.0	22.4	20.5
Family problems		26.8	41.0	37.0
Intimate relationships		31.5	36.3	34.9
Other social relationships		24.9	33.7	31.5
Finances		40.2	48.8	46.4
Health problem of family member or partner		20.7	30.5	27.8
Personal appearance		25.3	42.3	37.6
Personal health issue		21.3	33.5	30.3
Sleep difficulties		36.3	45.2	42.8
Other		11.4	15.2	14.5
<i>Students reporting none of the above</i>		21.1	13.0	15.3
<i>Students reporting only one of the above</i>		12.8	8.7	9.8
<i>Students reporting 2 of the above</i>		13.7	10.1	11.1
<i>Students reporting 3 or more of the above</i>		52.4	68.2	63.8

Findings continued

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

	<i>Percent (%)</i>	Male	Female	Total
No stress		2.5	0.8	1.3
Less than average stress		11.9	4.4	6.6
Average stress		35.9	29.3	30.9
More than average stress		39.0	49.1	46.2
Tremendous stress		10.8	16.4	15.0

I. Sleep

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

	<i>Percent (%)</i>	Male	Female	Total
0 days		12.9	15.2	14.7
1-2 days		28.7	33.5	32.0
3-5 days		44.6	42.1	42.8
6+ days		13.8	9.2	10.5

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

	<i>Percent (%)</i>	Male	Female	Total
0 days		10.4	5.5	6.9
1-2 days		32.3	24.1	26.4
3-5 days		41.4	45.5	44.2
6+ days		15.9	24.9	22.5

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

	<i>Percent (%)</i>	Male	Female	Total
No problem		11.8	7.4	8.7
A little problem		47.3	42.6	43.8
More than a little problem		23.9	26.6	25.9
A big problem		11.6	16.5	15.1
A very big problem		5.3	6.9	6.5

Demographics and Student Characteristics

■ Age:

18 - 20 years:	35.1 %
21 - 24 years:	34.2 %
25 - 29 years:	14.7 %
30+ years:	16.0 %

■ Gender*

Female:	68.4 %
Male:	28.8 %
Non-binary	2.7 %

■ Student status:

1st year undergraduate:	26.4 %
2nd year undergraduate:	25.3 %
3rd year undergraduate:	15.2 %
4th year undergraduate:	11.4 %
5th year or more undergraduate:	5.9 %
Graduate or professional:	8.5 %
Not seeking a degree:	3.0 %
Other:	4.4 %

Full-time student:	90.6 %
Part-time student:	7.8 %
Other student:	1.6 %

■ Relationship status:

Not in a relationship:	45.2 %
In a relationship but not living together:	30.7 %
In a relationship and living together:	24.1 %

■ Marital status:

Single:	75.1 %
Married/Partnered:	19.1 %
Separated/Divorced/Other:	5.8 %

■ Physical activity:

<30 minutes:	34.0 %
30-60 minutes:	24.4 %
61-90 minutes:	16.0 %
91-150 minutes:	11.5 %
>150 minutes:	14.1 %

■ Students describe themselves as:

Aboriginal:	7.0 %
Arab:	1.5 %
Black:	3.5 %
Chinese:	4.9 %
Filipino:	5.1 %
Japanese:	0.5 %
Korean:	0.9 %
Latin American:	2.9 %
South Asian:	6.6 %
Southeast Asian:	2.5 %
West Asian:	0.8 %
White:	66.3 %
Multiracial:	3.3 %
Other:	2.8 %

■ International Student:

International:	8.0 %
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■ Students describe themselves as:

Asexual:	0.6 %
Bisexual:	7.9 %
Gay:	1.3 %
Lesbian:	1.1 %
Pansexual:	1.5 %
Queer:	0.9 %
Questioning:	1.5 %
Straight/Heterosexual	84.4 %
Another identity:	0.8 %

■ Housing:

Campus residence hall:	8.7 %
Fraternity or sorority house:	0.1 %
Other university housing:	2.0 %
Parent/guardian home:	37.1 %
Other off-campus housing:	34.2 %
Other:	17.8 %

■ Participated in organized college athletics:

Varsity:	3.8 %
Club sports:	6.2 %
Intramurals:	8.5 %

■ Member of a social fraternity or sorority:

Greek member:	1.3 %
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* See note on page 2 regarding gender categories

Demographics of Participating Institutions

Fifty-eight Canadian postsecondary institutions self-selected to participate in the Spring 2019 ACHA National College Health Assessment and 55,284 surveys were completed by students on these campuses. For the purpose of forming the Reference Group, only Canadian institutions that surveyed all students or used a random sampling technique are included in the analysis. **This report includes only data from 15,102 students at 24 schools in Alberta, Canada.** All schools collected data via the ACHA-NCHA web survey. The mean response was 22% and the median was 22%.

Demographic characteristics of the 24 campuses follow:

Demographical Characteristics of the 24 Postsecondary Institutions Included in the Spring 2019 ALBERTA ACHA-NCHA II Reference Group.	
Campus Characteristic	<i>n</i>
Type of Institution	
Public	19
Private	5
2-year	9
4-year or above	13
Other	2
Location of Campus	
Canada	24
Campus Size	
< 2,500 students	11
2,500 – 4,999 students	1
5,000 – 9,999 students	4
10,000 – 19,999 students	3
20,000 students or more	5
Campus Setting	
Very large city (population over 500,000)	13
Large city (population 250,000-499,999)	0
Small city (population 50,000-249,999)	5
Large town (population 10,000-49,999)	2
Small town (population 2,500-9,999)	3
Rural community (population under 2,500)	1
Carnegie Classification	
Miscellaneous/Not Classified	24
ACHA Membership Status	
Institutional Member	13
Nonmember	11
Religious Affiliation	
No	20
Yes	4