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Results of the 2019 Hawai‘i State and Counties Youth Risk Behavior Surveys (YRBS) and Cross-Year and National Comparisons

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Results of the 2019 Hawai‘i State and Counties Youth Risk Behavior Surveys (YRBS) and Cross-Year and National Comparisons

Background

The Hawai‘i Youth Risk Behavior Survey (YRBS) is a module of the Hawai‘i School Health Survey¹ administered in odd-numbered years to Hawai‘i public school students in grades 6–12. The YRBS is part of the Youth Risk Behavior Surveillance System (YRBSS) developed by the U.S. Department of Health and Human Services, Centers for Disease Control and Prevention (CDC) in 1990 to monitor priority behaviors that contribute to the leading causes of morbidity and mortality among youth and young adults including

- behaviors that contribute to unintentional injuries and violence;
- sexual behaviors related to unintended pregnancy and sexually transmitted infections, including HIV infection;
- alcohol and other drug use;
- tobacco use;
- unhealthy dietary behaviors; and
- inadequate physical activity.

The YRBSS also monitors the prevalence of obesity and other priority health-related behaviors plus sexual identity and sex of sexual contact. More information about the YRBSS can be obtained from <http://www.cdc.gov/yrbss>.

The YRBSS includes a national high school-based survey conducted by the CDC and state, territorial, tribal, and local surveys conducted by state, territorial, and local education and health agencies and tribal governments. It has been conducted primarily during the spring in odd-numbered years since 1991. In 2019, 46 states, three territories, two tribal governments, and 28 local school districts participated in the high school YRBS².

The CDC does not conduct a national middle school survey. However, the CDC provided support for the 15 states, two territories, one tribal governments, and 14 local school districts that conducted a 2019 middle school YRBS.

¹ Coordinated effort between the Hawai‘i Department of Education, Hawai‘i Department of Health, University of Hawai‘i, and partners to monitor the health status and needs of public school students in grades 6–12. In 2019 the other module was the Hawai‘i Youth Tobacco Survey.

² Centers for Disease Control and Prevention, *Current Participation Maps and Participation History*. <https://www.cdc.gov/healthyyouth/data/yrebs/participation.htm>. February 4, 2021.

The Hawai‘i High School YRBS (hereafter referred to as high school HYRBS) was conducted in odd-numbered years during the spring from 1991 to 1999 and in 2007, 2009, and 2013 to 2019 and during the fall from 2001 through 2005. The 2011 high school HYRBS was conducted in fall 2010 for Kaua‘i and Maui county schools as part of the Communities Putting Prevention to Work (CPPW) project and in spring 2011 for Hawai‘i and Honolulu county schools; the same protocols and survey instrument were used. The data from the four counties were combined for this 2019 state-level high school HYRBS report.

A similar survey of Hawai‘i middle and intermediate school students (hereafter referred to as middle school HYRBS) has been conducted since 1997 in conjunction with the high school version except for 2011 when it was conducted during spring for all counties. The 2019 middle school HYRBS was again conducted during spring for the four counties, and the data were combined for this statewide report.

There were 63 CDC-developed questions in the 2019 High School and 33 CDC-developed questions in the 2019 Middle School Hawai‘i YRBS. Additionally, we added Hawai‘i-specific items, 36 for high school and 52 for middle school, covering local variations on the same topics and other health-related topics of local interest, such as access to mentor-like relationships, medical check-ups, and post high school plans. See Appendix A for the high school questionnaire and Appendix B for the middle school questionnaire.

Methods

A two-stage, stratified random sampling procedure was used to produce the final samples of students at the state and county level. Tables 1 and 2 provide the number of schools and surveys and response rates by location, sex, and grade level for the 2019 Hawai‘i YRBS.

Table 1. High School Participation by Location, Sex, and Grade

	Participation			Sex (%)		Grade (%)			
	Schools	Surveys	%	Female	Male	9	10	11	12
State	36	5,879	77	48.0	52.0	28.6	26.0	23.6	21.6
Hawai‘i County	11	1,296	68	47.5	52.5	28.7	26.3	22.1	22.8
Honolulu County	15	1,779	79	48.1	51.9	28.6	25.8	23.9	21.5
Kaua‘i County	3	1,221	79	47.8	52.2	26.4	26.7	23.4	23.0
Maui County	7	1,583	82	48.5	51.5	29.6	26.3	23.7	20.1

Table 2. Middle School Participation by Location, Sex, and Grade

	Participation			Sex (%)		Grade (%)		
	Schools	Surveys	%	Female	Male	6	7	8
State	38	6,591	82	47.8	52.2	22.9	39.6	37.3
Hawai‘i County	12	1,569	78	46.9	53.1	27.0	37.1	35.8
Honolulu County	15	2,065	87	47.9	52.1	18.6	41.8	39.2
Kaua‘i County	3	1,227	79	47.5	52.5	33.5	32.9	33.3
Maui County	8	1,730	85	48.2	51.8	33.3	35.0	31.5

Survey procedures were designed to protect the privacy of students through anonymous and voluntary participation. School-level personnel proctored the self-administered questionnaire. Students recorded their responses directly on a computer-scannable answer sheet. A letter to the parent/legal guardian was given to each student that instructed the parent to complete, sign, and return the form to their child’s teacher within a week if they did not want their child to take part in the survey. The University of Hawai‘i’s Institutional Review Board approved the protocol for the Hawai‘i School Health Survey.

Results

The data from the middle school and high school HYRBS administered during spring 2019 were statistically weighted³ by the CDC; thus, according to the CDC, it is possible to make valid statewide (public schools only) comparisons across years. The results are representative of all public middle school students in grades 6–8 and high school students in grades 9–12 (not including charter or special schools).

Appendix C Table C1 provides a comparison of the 2019 public high school HYRBS results to the 2017 results and to the 2019 national YRBS results (the behaviors from the high school HYRBS and national YRBS questionnaire and supplemental variables calculated from those questions); the 2015 HYRBS results are included for reference purposes.

For the 2019 national survey, a three-stage cluster sample design was used to produce the representative sample of 13,677 students in grades 9–12 who attended regular public and private

³ Results are weighted by the CDC to reflect the student population when the overall response rate is at least 60%. The overall response rate is calculated by multiplying the school response rate by the student response rate. Weighted results are representative of all students attending public schools in each jurisdiction, grades 6–8 for the middle school YRBS and grades 9–12 for the high school YRBS. Representative data are weighted to be representative of all students in grades 9–12 attending schools in each jurisdiction. With representative data, it is possible to say, for example, “X% of students in state Y never or rarely wore a seat belt when riding in a car driven by someone else.” <https://www.cdc.gov/healthyyouth/data/yrbs/participation.htm>

schools in the 50 states and the District of Columbia. The overall response rate was 60.3%. See <https://www.cdc.gov/mmwr/volumes/69/su/pdfs/su6901-H.pdf> for details.

Appendix C Table C2 presents the results of a trend analysis conducted by the CDC, which notes whether Hawai‘i high school students’ reported behaviors increased, decreased, or stayed the same between the time when weighted results were first obtained and 2019. “SUDAAN logistic regression analysis is used to test for linear and quadratic changes. The regression models control for changes in distributions by sex, race/ethnicity, and grade in the populations and assess linear and quadratic time effects. Logistic regression analysis uses all available years of data. It does not consider only the oldest and the most recent data points. Logistic regression analysis provides an appropriate test of change over long periods of time.” (CDC, 2019).

Similar results are presented in Appendix D Table D2 (Appendix D Table D1 is discussed below) for the middle school level. Although weighted results were obtained in 2005 for the middle school level, the items were comparable to the high school level but not to the CDC’s middle school core items. Therefore, CDC did not include the 2005 results in the trend analysis.

Appendix C Tables C3–C6 present the high school 2019 Hawai‘i, Honolulu, Kaua‘i, and Maui counties’ results, and similar middle school results are presented in Appendix D Tables D3–D6. Trend, 2017 vs. 2019, and county compared to Hawai‘i state results are provided. The UH CRDG conducted *t*-test analyses at $p < 0.05$ using SAS version 9.3 to determine whether there were statistically significant differences between 2017 and 2019 and between the county and state.

The 2019 public middle school HYRBS results compared to the 2017 results are presented in Appendix D Table D1 (the behaviors from the middle school HYRBS questionnaire and supplemental variables calculated from those questions). It also includes the 2015 HYRBS results for reference purposes.

More detailed breakdowns of the data are available for analysis at Hawai‘i Health Data Warehouse (HHDW) http://ibis.hhdw.org/ibisph-view/query/selection/yrbs/_YRBSSelection.html, <http://www.hawaiihealthmatters.org> and CDC’s Youth Online <http://nccd.cdc.gov/youthonline/App/Default.aspx>. The HHDW website contains results for core and Hawai‘i-added items and reports by sex, grade, Hawai‘i-specific race/ethnicity, Hispanic/Latino, sexual orientation, gender identity, and county. Results may differ for a few items as HHDW excludes “not sure” responses from the denominator (e.g., medical check-ups and oral health) unless explicitly stated. The CDC website provides state-level data for the years when weighted results were obtained (i.e., all years except 1991, 2001, and 2003 for the high school level and 2005 for the middle school level when we chose to use the high school core items) for their standard items. The website also provides analysis and reporting tools. The

Hawai'i School Health Survey committee⁴ plans to issue topical brochures utilizing further analyses of the YRBS data.

Limitations

The findings in this report are subject to at least five limitations.

1. These data apply to youth who attend public school, whose parent or guardian did not opt them out of participating in the survey, and who were present on the day that the teacher chose to administer the survey (a few teachers did make-ups), and, therefore, may not be representative of all persons in this age group.
2. The change in the consent process from active (where students needed parental permission to participate) to passive (where students participated unless their parent or guardian returned a form opting them out of the survey) in 2015 might have affected some of the results. In both cases the student had the option to opt out of participation.
3. The extent of underreporting or overreporting of behaviors cannot be determined. However, they are not likely to change drastically from year to year allowing for valid longitudinal comparison. Furthermore, Brener et al. (2002) found that the 1999 Youth Risk Behavior Survey questionnaire demonstrated good test-retest reliability.
4. The change in survey administration from fall to spring might have affected some of the results.
5. Brener, McManus, Galuska, Lowry, and Wechsler (2003) studied the reliability and validity of self-reported height and weight among high school students and found that students tend to over-report their height and under-estimate their weight. Body mass index (BMI) is calculated on the basis of self-reported height and weight, and, therefore, tends to underestimate the prevalence of obesity and overweight.

Conclusions

The YRBS provides a source of high quality data for monitoring behaviors that contribute to the leading causes of morbidity and mortality among youth and young adults with weighted results available since 1993. Largely due to the tremendous support that the CDC has provided over the years, the funding made available by the Hawai'i Department of Health's Healthy Hawai'i Initiative and Substance Abuse Prevention and Treatment block grant, the expertise provided by the Hawai'i School Health Survey committee members and colleagues, and the cooperation of the Hawai'i Department of Education, there is a wealth of information

⁴ Committee members were from the Hawai'i Department of Education, Hawai'i Department of Health, Office of Hawaiian Affairs, Hui for Excellence in Education, and University of Hawai'i.

that can continue to guide decisions that will affect Hawai‘i’s youth and the state. These data have proven to be an important tool for planning, implementing, and evaluating public health policies, programs, and practices in schools and communities.

The weighted results of the 2019 Hawai‘i YRBS will be used to

- identify focus areas for curriculum development and teacher training,
- identify focus areas for prevention and treatment efforts and resources,
- identify behaviors of Hawai‘i public school students in grades 6–12 and assess their trends,
- measure progress toward achieving the national health objectives of Healthy People 2020 and other program and policy indicators,
- support health-related legislation,
- seek funding and other support for new initiatives, and
- garner support for future surveys.

The results of this report indicate a need for continued statewide and county-level monitoring of behaviors among middle and high school students in Hawai‘i’s public schools. Ideally all youth, including charter and private schools, statewide should be monitored.

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Appendix A: 2019 Hawai‘i High School Youth Risk Behavior Survey Questionnaire

2019 Hawai‘i High School Youth Risk Behavior Survey

This survey is about health behavior. It has been developed so you can tell us what you do that may affect your health. The information you give will be used to improve health education for young people like yourself.

DO NOT write your name on this survey. The answers you give will be kept private. No one will know what you write. Answer the questions based on what you really do.

Completing the survey is voluntary. Whether or not you answer the questions will not affect your grade in this class. If you are not comfortable answering a question, just leave it blank.

The questions that ask about your background will be used only to describe the types of students completing this survey. The information will not be used to find out your name. No names will ever be reported.

Make sure to read every question. Fill in the ovals completely. When you are finished, follow the instructions of the person giving you the survey.

Thank you very much for your help.

Directions

- Use a #2 pencil only.
- Make dark marks.
- Fill in a response like this: A B ● D.
- If you change your answer, erase your old answer completely.

- How old are you?
 - 12 years old or younger
 - 13 years old
 - 14 years old
 - 15 years old
 - 16 years old
 - 17 years old
 - 18 years old or older
- What is your sex?
 - Female
 - Male
- In what grade are you?
 - 9th grade
 - 10th grade
 - 11th grade
 - 12th grade
 - Ungraded or other grade
- Are you Hispanic or Latino?
 - Yes
 - No
- What is your race? (Select one or more responses.)
 - American Indian or Alaska Native
 - Black or African American
 - Filipino
 - Japanese
 - Native Hawaiian/Part Hawaiian
 - Other Asian
 - Other Pacific Islander
 - White

- How tall are you without your shoes on?
Directions: Write your height in the shaded blank boxes.
Fill in the matching oval below each number.

Example

Height	
Feet	Inches
5	7
③	⑩
④	①
●	②
⑥	③
⑦	④
	⑤
	⑥
	●
	⑧
	⑨
	⑩
	⑪

- How much do you weigh without your shoes on?
Directions: Write your weight in the shaded blank boxes.
Fill in the matching oval below each number.

Example

Weight		
Pounds		
1	5	2
①	①	①
●	①	①
②	②	●
③	③	③
	④	④
	●	⑤
	⑥	⑥
	⑦	⑦
	⑧	⑧
	⑨	⑨

8. Which one of these groups **best** describes you?
(Select only **one** response.)
- A. Hispanic or Latino
 - B. Native Hawaiian
 - C. Filipino
 - D. Japanese
 - E. White
 - F. Other Pacific Islander
 - G. Some other race or ethnicity
 - H. I do not describe myself as only one race or ethnicity
9. Which of the following best describes you?
- A. Heterosexual (straight)
 - B. Gay or lesbian
 - C. Bisexual
 - D. Not sure
10. Some people describe themselves as transgender when their sex at birth does not match the way they think or feel about their gender. Are you transgender?
- A. No, I am not transgender
 - B. Yes, I am transgender
 - C. I am not sure if I am transgender
 - D. I do not know what this question is asking
11. Are either of your parents or other adults in your family serving on active duty in the military?
- A. Yes
 - B. No

The next 6 questions ask about violence-related behaviors.

12. During the past 30 days, on how many days did you **not** go to school because you felt you would be unsafe at school or on your way to or from school?
- A. 0 days
 - B. 1 day
 - C. 2 or 3 days
 - D. 4 or 5 days
 - E. 6 or more days

13. During the past 12 months, how many times were you in a **physical fight**?
- A. 0 times
 - B. 1 time
 - C. 2 or 3 times
 - D. 4 or 5 times
 - E. 6 or 7 times
 - F. 8 or 9 times
 - G. 10 or 11 times
 - H. 12 or more times
14. Have you ever been physically forced to have sexual intercourse when you did not want to?
- A. Yes
 - B. No
15. During the past 12 months, how many times did **anyone** force you to do sexual things that you did not want to do? (Count such things as kissing, touching, or being physically forced to have sexual intercourse.)
- A. 0 times
 - B. 1 time
 - C. 2 or 3 times
 - D. 4 or 5 times
 - E. 6 or more times
16. During the past 12 months, how many times did **someone you were dating or going out with** force you to do sexual things that you did not want to do? (Count such things as kissing, touching, or being physically forced to have sexual intercourse.)
- A. I did not date or go out with anyone during the past 12 months
 - B. 0 times
 - C. 1 time
 - D. 2 or 3 times
 - E. 4 or 5 times
 - F. 6 or more times

17. During the past 12 months, how many times did **someone you were dating or going out with** physically hurt you on purpose? (Count such things as being hit, slammed into something, or injured with an object or weapon.)
- A. I did not date or go out with anyone during the past 12 months
 - B. 0 times
 - C. 1 time
 - D. 2 or 3 times
 - E. 4 or 5 times
 - F. 6 or more times

The next 3 questions ask about bullying. Bullying is when 1 or more students tease, threaten, spread rumors about, hit, shove, or hurt another student over and over again. It is not bullying when 2 students of about the same strength or power argue or fight or tease each other in a friendly way.

18. During the past 12 months, have you ever been bullied **on school property**?
- A. Yes
 - B. No
19. During the past 12 months, have you ever been **electronically** bullied? (Count being bullied through texting, Instagram, Facebook, or other social media.)
- A. Yes
 - B. No
20. Do you agree or disagree that harassment and bullying by other students is a problem at your school?
- A. Strongly agree
 - B. Agree
 - C. Not sure
 - D. Disagree
 - E. Strongly disagree

The next question asks about hurting yourself on purpose.

21. During the past 12 months, how many times did you do something to purposely hurt yourself without wanting to die, such as cutting or burning yourself on purpose?
- A. 0 times
 - B. 1 time
 - C. 2 or 3 times
 - D. 4 or 5 times
 - E. 6 or more times

The next 5 questions ask about sad feelings and attempted suicide. Sometimes people feel so depressed about the future that they may consider attempting suicide, that is, taking some action to end their own life.

22. 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?
- A. Yes
 - B. No
23. During the past 12 months, did you ever **seriously** consider attempting suicide?
- A. Yes
 - B. No
24. During the past 12 months, did you make a plan about how you would attempt suicide?
- A. Yes
 - B. No
25. During the past 12 months, how many times did you actually attempt suicide?
- A. 0 times
 - B. 1 time
 - C. 2 or 3 times
 - D. 4 or 5 times
 - E. 6 or more times
26. **If you attempted suicide** during the past 12 months, did any attempt result in an injury, poisoning, or overdose that had to be treated by a doctor or nurse?
- A. **I did not attempt suicide** during the past 12 months
 - B. Yes
 - C. No

The next 3 questions ask about cigarette smoking.

27. Have you ever tried cigarette smoking, even one or two puffs?
A. Yes
B. No
28. How old were you when you first tried cigarette smoking, even one or two puffs?
A. I have never tried cigarette smoking, not even one or two puffs
B. 8 years old or younger
C. 9 or 10 years old
D. 11 or 12 years old
E. 13 or 14 years old
F. 15 or 16 years old
G. 17 years old or older
29. During the past 30 days, on how many days did you smoke cigarettes?
A. 0 days
B. 1 or 2 days
C. 3 to 5 days
D. 6 to 9 days
E. 10 to 19 days
F. 20 to 29 days
G. All 30 days

The next 4 questions ask about electronic vapor products, such as JUUL, Vuse, MarkTen, and blu. Electronic vapor products include e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods. Do not count any electronic vapor products used for smoking marijuana when answering these questions.

30. Have you ever used an electronic vapor product?
A. Yes
B. No
31. How old were you when you first tried using an electronic vapor product?
A. I have never tried using an electronic vapor product
B. 8 years old or younger
C. 9 or 10 years old
D. 11 or 12 years old
E. 13 or 14 years old
F. 15 or 16 years old
G. 17 years old or older

32. During the past 30 days, on how many days did you use an electronic vapor product?
A. 0 days
B. 1 or 2 days
C. 3 to 5 days
D. 6 to 9 days
E. 10 to 19 days
F. 20 to 29 days
G. All 30 days
33. During the past 30 days, how did you **usually** get your own electronic vapor products? (Select only **one** response.)
A. I did not use any electronic vapor products during the past 30 days
B. I bought them in a store such as a convenience store, supermarket, discount store, gas station, or vape store
C. I got them on the Internet
D. I gave someone else money to buy them for me
E. I borrowed them from someone else
F. A person who can legally buy these products gave them to me
G. I took them from a store or another person
H. I got them some other way

The next 7 questions ask about drinking alcohol. This includes drinking beer, wine, wine coolers, and liquor such as rum, gin, vodka, or whiskey. For these questions, drinking alcohol does not include drinking a few sips of wine for religious purposes.

34. How old were you when you had your first drink of alcohol other than a few sips?
A. I have never had a drink of alcohol other than a few sips
B. 8 years old or younger
C. 9 or 10 years old
D. 11 or 12 years old
E. 13 or 14 years old
F. 15 or 16 years old
G. 17 years old or older
35. During the past 30 days, on how many days did you have at least one drink of alcohol?
A. 0 days
B. 1 or 2 days
C. 3 to 5 days
D. 6 to 9 days
E. 10 to 19 days
F. 20 to 29 days
G. All 30 days

36. During the past 30 days, on how many days did you have **4** or more drinks of alcohol in a row, that is, within a couple of hours (if you are **female**) or **5** or more drinks of alcohol in a row, that is, within a couple of hours (if you are **male**)?
- 0 days
 - 1 day
 - 2 days
 - 3 to 5 days
 - 6 to 9 days
 - 10 to 19 days
 - 20 or more days
37. During the past 30 days, how did you **usually** get the alcohol you drank?
- I did not drink alcohol during the past 30 days
 - I bought it in a store such as a liquor store, convenience store, supermarket, discount store, or gas station
 - I bought it at a restaurant, bar, or club
 - I bought it at a public event such as a concert or sporting event
 - I gave someone else money to buy it for me
 - Someone gave it to me
 - I took it from a store or family member
 - I got it some other way
38. During the past 30 days, where did you **usually** drink alcohol? (Select only **one** response.)
- I did not drink alcohol during the past 30 days
 - At my home
 - At another person's home
 - While riding in or driving a car or other vehicle
 - At a restaurant, bar, or club
 - At a public place such as a park, beach, or parking lot
 - At a public event such as a concert or sporting event
 - On school property
39. During the past 30 days, what type of alcohol did you drink most often? (Select only **one** response.)
- I did not drink alcohol during the past 30 days
 - Beer
 - Wine
 - Vodka
 - Some other liquor, such as rum, scotch, bourbon, whiskey, or tequila
 - Flavored alcoholic beverages, such as Smirnoff Ice, Bacardi Silver, Mike's Hard Lemonade, Four Loko, Blast, or Hard Apple Cider
 - Some other type of alcohol

40. How wrong do your parents feel it would be for you to drink beer, wine, or hard liquor (such as rum, gin, vodka, or whiskey) regularly?
- Very wrong
 - Wrong
 - A little bit wrong
 - Not at all wrong
 - Not sure

The next 3 questions ask about marijuana use. Marijuana also is called pot, weed, pakalōlō, or cannabis.

41. How old were you when you tried marijuana for the first time?
- I have never tried marijuana
 - 8 years old or younger
 - 9 or 10 years old
 - 11 or 12 years old
 - 13 or 14 years old
 - 15 or 16 years old
 - 17 years old or older
42. During the past 30 days, how many times did you use marijuana?
- 0 times
 - 1 or 2 times
 - 3 to 9 times
 - 10 to 19 times
 - 20 to 39 times
 - 40 or more times
43. During the past 30 days, how did you **usually** use marijuana? (Select only **one** response.)
- I did not use marijuana during the past 30 days
 - I smoked it in a joint, bong, pipe, or blunt
 - I ate it in food such as brownies, cakes, cookies, or candy
 - I drank it in tea, cola, alcohol, or other drinks
 - I vaporized it
 - I dabbled it using waxes or concentrates
 - I used it some other way

The next 2 questions ask about the use of prescription pain medicine without a doctor's prescription or differently than how a doctor told you to use it. For this question, count drugs such as codeine, Vicodin, OxyContin, Hydrocodone, and Percocet.

44. During your life, how many times have you taken **prescription pain medicine** without a doctor's prescription or differently than how a doctor told you to use it?
- A. 0 times
 - B. 1 or 2 times
 - C. 3 to 9 times
 - D. 10 to 19 times
 - E. 20 to 39 times
 - F. 40 or more times
45. During the past 30 days, how many times did you take **prescription pain medicine** without a doctor's prescription or differently than how a doctor told you to use it?
- A. 0 times
 - B. 1 or 2 times
 - C. 3 to 9 times
 - D. 10 to 19 times
 - E. 20 to 39 times
 - F. 40 or more times

The next 8 questions ask about other drugs.

46. During your life, how many times have you used **any** form of cocaine, including powder, crack, or freebase?
- A. 0 times
 - B. 1 or 2 times
 - C. 3 to 9 times
 - D. 10 to 19 times
 - E. 20 to 39 times
 - F. 40 or more times
47. During your life, how many times have you used **heroin** (also called smack, junk, or China White)?
- A. 0 times
 - B. 1 or 2 times
 - C. 3 to 9 times
 - D. 10 to 19 times
 - E. 20 to 39 times
 - F. 40 or more times

48. During your life, how many times have you used **methamphetamines** (also called speed, crystal meth, crank, ice, or meth)?
- A. 0 times
 - B. 1 or 2 times
 - C. 3 to 9 times
 - D. 10 to 19 times
 - E. 20 to 39 times
 - F. 40 or more times
49. During your life, how many times have you used **ecstasy** (also called MDMA)?
- A. 0 times
 - B. 1 or 2 times
 - C. 3 to 9 times
 - D. 10 to 19 times
 - E. 20 to 39 times
 - F. 40 or more times
50. During your life, how many times have you used a needle to inject any **illegal** drug into your body?
- A. 0 times
 - B. 1 time
 - C. 2 or more times
51. During the past 12 months, have you talked with at least one of your parents or another adult in your family about the dangers of tobacco, alcohol, or drug use?
- A. Yes
 - B. No
 - C. Not sure
52. During the past 30 days, have you ridden in a car driven by someone, including yourself, who was "high" or had been using alcohol or drugs?
- A. Yes
 - B. No
53. During the past 12 months, have you attended school under the influence of alcohol, marijuana, or other drugs?
- A. Yes
 - B. No

The next 7 questions ask about sexual behavior.

54. How old were you when you had sexual intercourse for the first time?
- A. I have never had sexual intercourse
 - B. 11 years old or younger
 - C. 12 years old
 - D. 13 years old
 - E. 14 years old
 - F. 15 years old
 - G. 16 years old
 - H. 17 years old or older
55. During your life, with how many people have you had sexual intercourse?
- A. I have never had sexual intercourse
 - B. 1 person
 - C. 2 people
 - D. 3 people
 - E. 4 people
 - F. 5 people
 - G. 6 or more people
56. During the past 3 months, with how many people did you have sexual intercourse?
- A. I have never had sexual intercourse
 - B. I have had sexual intercourse, but not during the past 3 months
 - C. 1 person
 - D. 2 people
 - E. 3 people
 - F. 4 people
 - G. 5 people
 - H. 6 or more people
57. Did you drink alcohol or use drugs before you had sexual intercourse the **last time**?
- A. I have never had sexual intercourse
 - B. Yes
 - C. No
58. The **last time** you had sexual intercourse, did you or your partner use a condom?
- A. I have never had sexual intercourse
 - B. Yes
 - C. No

59. The **last time** you had sexual intercourse, what **one** method did you or your partner use to **prevent pregnancy**? (Select only **one** response.)
- A. I have never had sexual intercourse
 - B. No method was used to prevent pregnancy
 - C. Birth control pills
 - D. Condoms
 - E. An IUD (such as Mirena or ParaGard) or implant (such as Implanon or Nexplanon)
 - F. A shot (such as Depo-Provera), patch (such as Ortho Evra), or birth control ring (such as NuvaRing)
 - G. Withdrawal or some other method
 - H. Not sure
60. During your life, with whom have you had sexual contact?
- A. I have never had sexual contact
 - B. Females
 - C. Males
 - D. Females and males

The next question asks about body weight.

61. During the past 30 days, did you try to lose weight or keep from gaining weight by going without eating for 24 hours or more; taking any diet pills, powders, or liquids; vomiting or taking laxatives; smoking cigarettes; or skipping meals?
- A. Yes
 - B. No
 - C. Not sure

The next 10 questions ask about food you ate or drank during the past 7 days. Think about all the meals and snacks you had from the time you got up until you went to bed. Be sure to include food you ate at home, at school, at restaurants, or anywhere else.

62. During the past 7 days, how many times did you drink **100% fruit juices** such as orange juice, apple juice, or grape juice? (Do **not** count punch, Kool-Aid, sports drinks, or other fruit-flavored drinks.)
- A. I did not drink 100% fruit juice during the past 7 days
 - B. 1 to 3 times during the past 7 days
 - C. 4 to 6 times during the past 7 days
 - D. 1 time per day
 - E. 2 times per day
 - F. 3 times per day
 - G. 4 or more times per day
63. During the past 7 days, how many times did you eat **fruit**? (Do **not** count fruit juice.)
- A. I did not eat fruit during the past 7 days
 - B. 1 to 3 times during the past 7 days
 - C. 4 to 6 times during the past 7 days
 - D. 1 time per day
 - E. 2 times per day
 - F. 3 times per day
 - G. 4 or more times per day
64. During the past 7 days, how many times did you eat **green salad**?
- A. I did not eat green salad during the past 7 days
 - B. 1 to 3 times during the past 7 days
 - C. 4 to 6 times during the past 7 days
 - D. 1 time per day
 - E. 2 times per day
 - F. 3 times per day
 - G. 4 or more times per day
65. During the past 7 days, how many times did you eat **potatoes**? (Do **not** count french fries, fried potatoes, or potato chips.)
- A. I did not eat potatoes during the past 7 days
 - B. 1 to 3 times during the past 7 days
 - C. 4 to 6 times during the past 7 days
 - D. 1 time per day
 - E. 2 times per day
 - F. 3 times per day
 - G. 4 or more times per day
66. During the past 7 days, how many times did you eat **carrots**?
- A. I did not eat carrots during the past 7 days
 - B. 1 to 3 times during the past 7 days
 - C. 4 to 6 times during the past 7 days
 - D. 1 time per day
 - E. 2 times per day
 - F. 3 times per day
 - G. 4 or more times per day
67. During the past 7 days, how many times did you eat **other vegetables**? (Do **not** count green salad, potatoes, or carrots.)
- A. I did not eat other vegetables during the past 7 days
 - B. 1 to 3 times during the past 7 days
 - C. 4 to 6 times during the past 7 days
 - D. 1 time per day
 - E. 2 times per day
 - F. 3 times per day
 - G. 4 or more times per day
68. During the past 7 days, how many times did you drink a **can, bottle, or glass of soda or pop**, such as Coke, Pepsi, or Sprite? (Do **not** count diet soda or diet pop.)
- A. I did not drink soda or pop during the past 7 days
 - B. 1 to 3 times during the past 7 days
 - C. 4 to 6 times during the past 7 days
 - D. 1 time per day
 - E. 2 times per day
 - F. 3 times per day
 - G. 4 or more times per day
69. During the past 7 days, how many times did you drink a **can, bottle, pouch, or glass of a juice drink**, such as Fruit Punch, Hawaiian Sun, Aloha Maid, Sunny Delight, or Tang? (Do **not** count 100% fruit juice.)
- A. I did not drink juice drinks during the past 7 days
 - B. 1 to 3 times during the past 7 days
 - C. 4 to 6 times during the past 7 days
 - D. 1 time per day
 - E. 2 times per day
 - F. 3 times per day
 - G. 4 or more times per day

70. During the past 7 days, on how many days did you eat **breakfast**?
- A. 0 days
 - B. 1 day
 - C. 2 days
 - D. 3 days
 - E. 4 days
 - F. 5 days
 - G. 6 days
 - H. 7 days

71. During the past 30 days, how often did you go hungry because there was not enough food in your home?
- A. Never
 - B. Rarely
 - C. Sometimes
 - D. Most of the time
 - E. Always

The next 10 questions ask about physical activity.

72. During the past 7 days, on how many days were you physically active for a total of **at least 60 minutes per day**? (Add up all the time you spent in any kind of physical activity that increased your heart rate and made you breathe hard some of the time.)
- A. 0 days
 - B. 1 day
 - C. 2 days
 - D. 3 days
 - E. 4 days
 - F. 5 days
 - G. 6 days
 - H. 7 days
73. During the past 7 days, on how many days did you do exercises to **strengthen or tone your muscles**, such as push-ups, sit-ups, or weight lifting?
- A. 0 days
 - B. 1 day
 - C. 2 days
 - D. 3 days
 - E. 4 days
 - F. 5 days
 - G. 6 days
 - H. 7 days

74. On an average school day, how many hours do you watch TV?
- A. I do not watch TV on an average school day
 - B. Less than 1 hour per day
 - C. 1 hour per day
 - D. 2 hours per day
 - E. 3 hours per day
 - F. 4 hours per day
 - G. 5 or more hours per day

75. On an average school day, how many hours do you play video or computer games or use a computer for something that is not school work? (Count time spent playing games, watching videos, texting, or using social media on your smartphone, computer, Xbox, PlayStation, iPad, or other tablet.)
- A. I do not play video or computer games or use a computer for something that is not school work
 - B. Less than 1 hour per day
 - C. 1 hour per day
 - D. 2 hours per day
 - E. 3 hours per day
 - F. 4 hours per day
 - G. 5 or more hours per day

76. In an average week when you are in school, on how many days do you go to physical education (PE) classes?
- A. 0 days
 - B. 1 day
 - C. 2 days
 - D. 3 days
 - E. 4 days
 - F. 5 days

77. Do you agree or disagree that the physical education (PE) classes you took during the past 12 months offered a variety of physical activities?
- A. I did not take PE classes during the past 12 months
 - B. Strongly agree
 - C. Agree
 - D. Not sure
 - E. Disagree
 - F. Strongly disagree

78. During the past 12 months, were you **usually** physically active at least half of the time during physical education (PE) classes?
- I did not take PE classes during the past 12 months
 - Yes
 - No
79. Do any of your classroom teachers provide short physical activity breaks during regular class time? (Do not count your physical education teacher.)
- Yes
 - No
80. In an average week when you are in school, on how many days do you walk or ride your bike **to or from school**?
- 0 days
 - 1 day
 - 2 days
 - 3 days
 - 4 days
 - 5 days
81. During the past 12 months, on how many sports teams did you play? (Count any teams run by your school or community groups.)
- 0 teams
 - 1 team
 - 2 teams
 - 3 or more teams

The next question asks about concussions. A concussion is when a blow or jolt to the head causes problems such as headaches, dizziness, being dazed or confused, difficulty remembering or concentrating, vomiting, blurred vision, or being knocked out.

82. During the past 12 months, how many times did you have a concussion **from playing a sport or being physically active**?
- 0 times
 - 1 time
 - 2 times
 - 3 times
 - 4 or more times

The next 17 questions ask about other health-related topics.

83. When you are outside for more than one hour on a sunny day, how often do you wear sunscreen with an SPF of 15 or higher?
- Never
 - Rarely
 - Sometimes
 - Most of the time
 - Always
84. When was the last time you saw a dentist for a check-up, exam, teeth cleaning, or other dental work?
- During the past 12 months
 - Between 12 and 24 months ago
 - More than 24 months ago
 - Never
 - Not sure
85. During the past 12 months, how many times have you missed school because of problems with your teeth or mouth? (Do not include times you missed school for routine dental or orthodontic appointments.)
- 0 times
 - 1 time
 - 2 or 3 times
 - 4 or 5 times
 - 6 or more times
86. When was the last time you saw a doctor or nurse for a check-up or physical exam when you were not sick or injured?
- During the past 12 months
 - Between 12 and 24 months ago
 - More than 24 months ago
 - Never
 - Not sure
87. During the past 30 days, on how many days did you **not** go to school because you were sick?
- 0 days
 - 1 or 2 days
 - 3 to 5 days
 - 6 to 9 days
 - 10 or more days

88. On an average school night, how many hours of sleep do you get?
- 4 or less hours
 - 5 hours
 - 6 hours
 - 7 hours
 - 8 hours
 - 9 hours
 - 10 or more hours
89. During the past 30 days, where did you usually sleep?
- In my parent's or guardian's home
 - In the home of a friend, family member, or other person because I had to leave my home or my parent or guardian cannot afford housing
 - In a shelter or emergency housing
 - In a motel or hotel
 - In a car, park, campground, or other public place
 - I do not have a usual place to sleep
 - Somewhere else
90. When you feel sad, empty, hopeless, angry, or anxious, how often do you get the kind of help you need?
- I do not feel sad, empty, hopeless, angry, or anxious
 - Never
 - Rarely
 - Sometimes
 - Most of the time
 - Always
91. Outside of school, is there an adult you can talk to about things that are important to you?
- Yes
 - No
 - Not sure
92. Is there at least one teacher or other adult in your school that you can talk to if you have a problem?
- Yes
 - No
 - Not sure
93. Have your parents or other adults in your family ever talked with you about what they expect you to do or not to do when it comes to sex?
- Yes
 - No
 - Not sure
94. Have you ever been taught in school about sexually transmitted diseases (STDs)?
- Yes
 - No
 - Not sure
95. Have you ever been taught in school about the benefits of not having sexual intercourse to prevent pregnancy and sexually transmitted diseases (STDs)?
- Yes
 - No
 - Not sure
96. Have you ever been taught in school about how to use birth control methods or where to get birth control?
- Yes
 - No
 - Not sure
97. Have you ever been taught in school about where you could get sexual health services, such as birth control, condoms, or HIV or other sexually transmitted disease (STD) testing or treatment?
- Yes
 - No
 - Not sure
98. During the past 12 months, how would you describe your grades in school?
- Mostly A's
 - Mostly B's
 - Mostly C's
 - Mostly D's
 - Mostly F's
 - None of these grades
 - Not sure
99. How likely is it that you will complete a post high school program such as a vocational training program, military service, community college, or 4-year college?
- Definitely will not
 - Probably will not
 - Probably will
 - Definitely will
 - Not sure

***This is the end of the survey.
Thank you very much for your help.***

Appendix B: 2019 Hawai‘i Middle School Youth Risk Behavior Survey Questionnaire

2019 Hawai‘i Middle School Youth Risk Behavior Survey

This survey is about health behavior. It has been developed so you can tell us what you do that may affect your health. The information you give will be used to improve health education for young people like yourself.

DO NOT write your name on this survey. The answers you give will be kept private. No one will know what you write. Answer the questions based on what you really do.

Completing the survey is voluntary. Whether or not you answer the questions will not affect your grade in this class. If you are not comfortable answering a question, just leave it blank.

The questions that ask about your background will be used only to describe the types of students completing this survey. The information will not be used to find out your name. No names will ever be reported.

Make sure to read every question. Fill in the ovals completely. When you are finished, follow the instructions of the person giving you the survey.

Thank you very much for your help.

Directions

- Use a #2 pencil only.
- Make dark marks.
- Fill in a response like this: A B ● D.
- If you change your answer, erase your old answer completely.

- How old are you?
 - 10 years old or younger
 - 11 years old
 - 12 years old
 - 13 years old
 - 14 years old
 - 15 years old
 - 16 years old or older
- What is your sex?
 - Female
 - Male
- In what grade are you?
 - 6th grade
 - 7th grade
 - 8th grade
 - Ungraded or other grade
- Are you Hispanic or Latino?
 - Yes
 - No
- What is your race? (Select one or more responses.)
 - American Indian or Alaska Native
 - Black or African American
 - Filipino
 - Japanese
 - Native Hawaiian/Part Hawaiian
 - Other Asian
 - Other Pacific Islander
 - White
- Which one of these groups **best** describes you? (Select only **one** response.)
 - Hispanic or Latino
 - Native Hawaiian
 - Filipino
 - Japanese
 - White
 - Other Pacific Islander
 - Some other race or ethnicity
 - I do not describe myself as only one race or ethnicity
- Which of the following best describes you?
 - Heterosexual (straight)
 - Gay or lesbian
 - Bisexual
 - Not sure
- A transgender person is someone who does not feel the same inside as the sex they were born with. Are you transgender?
 - No, I am not transgender
 - Yes, I am transgender
 - I do not know if I am transgender
 - I do not know what this question is asking
- Are either of your parents or other adults in your family serving on active duty in the military?
 - Yes
 - No

The next 7 questions ask about violence-related behavior.

- During the past 12 months, did you ever **not** go to school because you felt you would be unsafe at school or on your way to or from school?
 - Yes
 - No
- During the past 12 months, have you been in a **physical fight**?
 - Yes
 - No

12. Have you ever been physically forced to have sexual intercourse when you did not want to?
A. Yes
B. No
13. During the past 12 months, did **anyone** force you to do sexual things that you did not want to do? (Count such things as kissing, touching, or being physically forced to have sexual intercourse.)
A. Yes
B. No
14. During the past 12 months, did **someone you were dating or going out with** purposely try to control you or emotionally hurt you? (Count such things as being told who you could and could not spend time with, being humiliated in front of others, or being threatened if you did not do what they wanted.)
A. I did not date or go out with anyone during the past 12 months
B. Yes
C. No
15. During the past 12 months, did **someone you were dating or going out with** physically hurt you on purpose? (Count such things as being hit, slammed into something, or injured with an object or weapon.)
A. I did not date or go out with anyone during the past 12 months
B. Yes
C. No
16. During the past 12 months, did you physically hurt **someone you were dating or going out with**? (Count such things as hitting them, slamming them into something, or injuring them with an object or weapon.)
A. I did not date or go out with anyone during the past 12 months
B. Yes
C. No

The next 4 questions ask about bullying. Bullying is when 1 or more students tease, threaten, spread rumors about, hit, shove, or hurt another student over and over again. It is not bullying when 2 students of about the same strength or power argue or fight or tease each other in a friendly way.

17. Have you ever been bullied **on school property**?
A. Yes
B. No
18. Have you ever been **electronically** bullied? (Count being bullied through texting, Instagram, Facebook, or other social media.)
A. Yes
B. No
19. Have you ever **electronically** bullied someone? (Count bullying through texting, Instagram, Facebook, or other social media.)
A. Yes
B. No
20. Do you agree or disagree that harassment and bullying by other students is a problem at your school?
A. Strongly agree
B. Agree
C. Not sure
D. Disagree
E. Strongly disagree

The next question asks about hurting yourself on purpose.

21. Have you ever done something to purposely hurt yourself without wanting to die, such as cutting or burning yourself on purpose?
A. Yes
B. No

The next 5 questions ask about sad feelings and attempted suicide. Sometimes people feel so depressed about the future that they may consider attempting suicide, that is, taking some action to end their own life.

22. Have you ever felt so sad or hopeless almost every day for **two weeks or more in a row** that you stopped doing some usual activities?
A. Yes
B. No
23. Have you ever **seriously** thought about killing yourself?
A. Yes
B. No
24. Have you ever made a **plan** about how you would kill yourself?
A. Yes
B. No
25. Have you ever **tried** to kill yourself?
A. Yes
B. No
26. **If you tried to kill yourself**, did any attempt result in an injury, poisoning, or overdose that had to be treated by a doctor or nurse?
A. I did not try to kill myself
B. Yes
C. No

The next 3 questions ask about cigarette smoking.

27. Have you ever tried cigarette smoking, even one or two puffs?
A. Yes
B. No

28. How old were you when you first tried cigarette smoking, even one or two puffs?
A. I have never tried cigarette smoking, not even one or two puffs
B. 8 years old or younger
C. 9 years old
D. 10 years old
E. 11 years old
F. 12 years old
G. 13 years old or older
29. During the past 30 days, on how many days did you smoke cigarettes?
A. 0 days
B. 1 or 2 days
C. 3 to 5 days
D. 6 to 9 days
E. 10 to 19 days
F. 20 to 29 days
G. All 30 days

The next 4 questions ask about electronic vapor products, such as JUUL, Vuse, MarkTen, and blu. Electronic vapor products include e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods. Do not count any electronic vapor products used for smoking marijuana when answering these questions.

30. Have you ever used an electronic vapor product?
A. Yes
B. No
31. How old were you when you first tried using an electronic vapor product?
A. I have never tried using an electronic vapor product
B. 8 years old or younger
C. 9 years old
D. 10 years old
E. 11 years old
F. 12 years old
G. 13 years old or older

32. During the past 30 days, on how many days did you use an electronic vapor product?
- A. 0 days
 - B. 1 or 2 days
 - C. 3 to 5 days
 - D. 6 to 9 days
 - E. 10 to 19 days
 - F. 20 to 29 days
 - G. All 30 days
33. During the past 30 days, how did you **usually** get your own electronic vapor products? (Select only **one** response.)
- A. I did not use any electronic vapor products during the past 30 days
 - B. I bought them in a store such as a convenience store, supermarket, discount store, gas station, or vape store
 - C. I got them on the Internet
 - D. I gave someone else money to buy them for me
 - E. I borrowed them from someone else
 - F. A person who can legally buy these products gave them to me
 - G. I took them from a store or another person
 - H. I got them some other way

The next 6 questions ask about drinking alcohol. This includes drinking beer, wine, wine coolers, and liquor such as rum, gin, vodka, or whiskey. For these questions, drinking alcohol does not include drinking a few sips of wine for religious purposes.

34. How old were you when you had your first drink of alcohol other than a few sips?
- A. I have never had a drink of alcohol other than a few sips
 - B. 8 years old or younger
 - C. 9 years old
 - D. 10 years old
 - E. 11 years old
 - F. 12 years old
 - G. 13 years old or older
35. During the past 30 days, did you have at least one drink of alcohol?
- A. Yes
 - B. No

36. During the past 30 days, on how many days did you have 5 or more drinks of alcohol in a row, that is, within a couple of hours?
- A. 0 days
 - B. 1 day
 - C. 2 days
 - D. 3 to 5 days
 - E. 6 to 9 days
 - F. 10 to 19 days
 - G. 20 or more days
37. During the past 30 days, where did you **usually** drink alcohol? (Select only **one** response.)
- A. I did not drink alcohol during the past 30 days
 - B. At my home
 - C. At another person's home
 - D. While riding in or driving a car or other vehicle
 - E. At a restaurant, bar, or club
 - F. At a public place such as a park, beach, or parking lot
 - G. At a public event such as a concert or sporting event
 - H. On school property
38. During the past 30 days, what type of alcohol did you drink most often? (Select only **one** response.)
- A. I did not drink alcohol during the past 30 days
 - B. Beer
 - C. Wine
 - D. Vodka
 - E. Some other liquor, such as rum, scotch, bourbon, whiskey, or tequila
 - F. Flavored alcoholic beverages, such as Smirnoff Ice, Bacardi Silver, Mike's Hard Lemonade, Four Loko, Blast, or Hard Apple Cider
 - G. Some other type of alcohol
39. How wrong do your parents feel it would be for you to drink beer, wine, or hard liquor (such as rum, gin, vodka, or whiskey) regularly?
- A. Very wrong
 - B. Wrong
 - C. A little bit wrong
 - D. Not at all wrong
 - E. Not sure

The next 2 questions ask about marijuana use. Marijuana also is called pot, weed, pakalōlō, or cannabis.

40. How old were you when you tried marijuana for the first time?
- A. I have never tried marijuana
 - B. 8 years old or younger
 - C. 9 years old
 - D. 10 years old
 - E. 11 years old
 - F. 12 years old
 - G. 13 years old or older
41. During the past 30 days, how many times did you use marijuana?
- A. 0 times
 - B. 1 or 2 times
 - C. 3 to 9 times
 - D. 10 to 19 times
 - E. 20 to 39 times
 - F. 40 or more times

The next 2 questions ask about the use of prescription pain medicine without a doctor's prescription or differently than how a doctor told you to use it. For this question, count drugs such as codeine, Vicodin, OxyContin, Hydrocodone, and Percocet.

42. Have you ever taken **prescription pain medicine** without a doctor's prescription or differently than how a doctor told you to use it?
- A. Yes
 - B. No
43. During the past 30 days, how many times did you take **prescription pain medicine** without a doctor's prescription or differently than how a doctor told you to use it?
- A. 0 times
 - B. 1 or 2 times
 - C. 3 to 9 times
 - D. 10 to 19 times
 - E. 20 to 39 times
 - F. 40 or more times

The next 6 questions ask about other drugs.

44. Have you ever used **any** form of cocaine, including powder, crack, or freebase?
- A. Yes
 - B. No
45. Have you ever used **methamphetamines** (also called speed, crystal meth, crank, ice, or meth)?
- A. Yes
 - B. No
46. During your life, how many times have you used a needle to inject any **illegal** drug into your body?
- A. 0 times
 - B. 1 time
 - C. 2 or more times
47. During the past 12 months, have you talked with at least one of your parents or another adult in your family about the dangers of tobacco, alcohol, or drug use?
- A. Yes
 - B. No
 - C. Not sure
48. Have you ridden in a car driven by someone who was "high" or had been using alcohol or drugs?
- A. Yes
 - B. No
49. During the past 12 months, have you ever attended school under the influence of alcohol, marijuana, or other drugs?
- A. Yes
 - B. No

The next 4 questions ask about sexual behavior.

50. How old were you when you had sexual intercourse for the first time?
- A. I have never had sexual intercourse
 - B. 8 years old or younger
 - C. 9 years old
 - D. 10 years old
 - E. 11 years old
 - F. 12 years old
 - G. 13 years old or older

51. With how many people have you ever had sexual intercourse?
- A. I have never had sexual intercourse
 - B. 1 person
 - C. 2 people
 - D. 3 people
 - E. 4 people
 - F. 5 people
 - G. 6 or more people
52. The **last time** you had sexual intercourse, did you or your partner use a condom?
- A. I have never had sexual intercourse
 - B. Yes
 - C. No
53. During your life, with whom have you had sexual contact?
- A. I have never had sexual contact
 - B. Females
 - C. Males
 - D. Females and males

The next 2 questions ask about body weight.

54. Which of the following are you trying to do about your weight?
- A. **Lose** weight
 - B. **Gain** weight
 - C. **Stay** the same weight
 - D. I am **not trying to do anything** about my weight
55. During the past 30 days, did you try to lose weight or keep from gaining weight by going without eating for 24 hours or more; taking any diet pills, powders, or liquids; vomiting or taking laxatives; smoking cigarettes; or skipping meals?
- A. Yes
 - B. No
 - C. Not sure

The next 2 questions ask about eating.

56. During the past 7 days, on how many days did you eat **breakfast**?
- A. 0 days
 - B. 1 day
 - C. 2 days
 - D. 3 days
 - E. 4 days
 - F. 5 days
 - G. 6 days
 - H. 7 days
57. During the past 30 days, how often did you go hungry because there was not enough food in your home?
- A. Never
 - B. Rarely
 - C. Sometimes
 - D. Most of the time
 - E. Always

The next 10 questions ask about physical activity.

58. During the past 7 days, on how many days were you physically active for a total of **at least 60 minutes per day**? (Add up all the time you spent in any kind of physical activity that increased your heart rate and made you breathe hard some of the time.)
- A. 0 days
 - B. 1 day
 - C. 2 days
 - D. 3 days
 - E. 4 days
 - F. 5 days
 - G. 6 days
 - H. 7 days
59. During the past 7 days, on how many days did you do exercises to **strengthen or tone your muscles**, such as push-ups, sit-ups, or weight lifting?
- A. 0 days
 - B. 1 day
 - C. 2 days
 - D. 3 days
 - E. 4 days
 - F. 5 days
 - G. 6 days
 - H. 7 days

60. On an average school day, how many hours do you watch TV?
- A. I do not watch TV on an average school day
 - B. Less than 1 hour per day
 - C. 1 hour per day
 - D. 2 hours per day
 - E. 3 hours per day
 - F. 4 hours per day
 - G. 5 or more hours per day
61. On an average school day, how many hours do you play video or computer games or use a computer for something that is not school work? (Count time spent playing games, watching videos, texting, or using social media on your smartphone, computer, Xbox, PlayStation, iPad, or other tablet.)
- A. I do not play video or computer games or use a computer for something that is not school work
 - B. Less than 1 hour per day
 - C. 1 hour per day
 - D. 2 hours per day
 - E. 3 hours per day
 - F. 4 hours per day
 - G. 5 or more hours per day
62. In an average week when you are in school, on how many days do you go to physical education (PE) classes?
- A. 0 days
 - B. 1 day
 - C. 2 days
 - D. 3 days
 - E. 4 days
 - F. 5 days
63. Do you agree or disagree that the physical education (PE) classes you took during the past 12 months offered a variety of physical activities?
- A. I did not take PE classes during the past 12 months
 - B. Strongly agree
 - C. Agree
 - D. Not sure
 - E. Disagree
 - F. Strongly disagree

64. During the past 12 months, were you **usually** physically active at least half of the time during physical education (PE) classes?
- A. I did not take PE classes during the past 12 months
 - B. Yes
 - C. No
65. Do any of your classroom teachers provide short physical activity breaks during regular class time? (Do not count physical education teacher.)
- A. Yes
 - B. No
66. In an average week when you are in school, on how many days do you walk or ride your bike **to or from school**?
- A. 0 days
 - B. 1 day
 - C. 2 days
 - D. 3 days
 - E. 4 days
 - F. 5 days
67. During the past 12 months, on how many sports teams did you play? (Count any teams run by your school or community groups.)
- A. 0 teams
 - B. 1 team
 - C. 2 teams
 - D. 3 or more teams

The next question asks about concussions. A concussion is when a blow or jolt to the head causes problems such as headaches, dizziness, being dazed or confused, difficulty remembering or concentrating, vomiting, blurred vision, or being knocked out.

68. During the past 12 months, how many times did you have a concussion **from playing a sport or being physically active**?
- A. 0 times
 - B. 1 time
 - C. 2 times
 - D. 3 times
 - E. 4 or more times

The next 17 questions ask about other health-related topics.

69. When you are outside for more than one hour on a sunny day, how often do you wear sunscreen with an SPF of 15 or higher?
- A. Never
 - B. Rarely
 - C. Sometimes
 - D. Most of the time
 - E. Always
70. When was the last time you saw a dentist for a check-up, exam, teeth cleaning, or other dental work?
- A. During the past 12 months
 - B. Between 12 and 24 months ago
 - C. More than 24 months ago
 - D. Never
 - E. Not sure
71. During the past 12 months, how many times have you missed school because of problems with your teeth or mouth? (Do not include times you missed school for routine dental or orthodontic appointments.)
- A. 0 times
 - B. 1 time
 - C. 2 or 3 times
 - D. 4 or 5 times
 - E. 6 or more times
72. During the past 30 days, on how many days did you **not** go to school because you were sick?
- A. 0 days
 - B. 1 or 2 days
 - C. 3 to 5 days
 - D. 6 to 9 days
 - E. 10 or more days
73. On an average school night, how many hours of sleep do you get?
- A. 4 or less hours
 - B. 5 hours
 - C. 6 hours
 - D. 7 hours
 - E. 8 hours
 - F. 9 hours
 - G. 10 or more hours
74. During the past 30 days, where did you usually sleep?
- A. In my parent's or guardian's home
 - B. In the home of a friend, family member, or other person because I had to leave my home or my parent or guardian cannot afford housing
 - C. In a shelter or emergency housing
 - D. In a motel or hotel
 - E. In a car, park, campground, or other public place
 - F. I do not have a usual place to sleep
 - G. Somewhere else
75. When you feel sad, empty, hopeless, angry, or anxious, how often do you get the kind of help you need?
- A. I do not feel sad, empty, hopeless, angry, or anxious
 - B. Never
 - C. Rarely
 - D. Sometimes
 - E. Most of the time
 - F. Always
76. Outside of school, is there an adult you can talk to about things that are important to you?
- A. Yes
 - B. No
 - C. Not sure
77. Is there at least one teacher or other adult in your school that you can talk to if you have a problem?
- A. Yes
 - B. No
 - C. Not sure
78. Is there a teacher or other adult in your school who really cares about you?
- A. Yes
 - B. No
 - C. Not sure
79. Have your parents or other adults in your family ever talked with you about what they expect you to do or not to do when it comes to sex?
- A. Yes
 - B. No
 - C. Not sure

80. Have you ever talked with your parents or other adults in your family about how to say no to having sex?
A. Yes
B. No
C. Not sure
81. Have you ever been taught in school about sexually transmitted diseases (STDs)?
A. Yes
B. No
C. Not sure
82. Have you ever been taught about AIDS or HIV infection in school?
A. Yes
B. No
C. Not sure
83. Have you ever been taught in school about the benefits of not having sexual intercourse to prevent pregnancy and sexually transmitted diseases (STDs)?
A. Yes
B. No
C. Not sure
84. During the past 12 months, how would you describe your grades in school?
A. Mostly A's
B. Mostly B's
C. Mostly C's
D. Mostly D's
E. Mostly F's
F. None of these grades
G. Not sure
85. How likely is it that you will complete high school?
A. Definitely will not
B. Probably will not
C. Probably will
D. Definitely will
E. Not sure

***This is the end of the survey.
Thank you very much for your help.***

Appendix C: Hawai'i Public High School State and County Results and Trends

Table C1. 2015–2019 Hawai‘i Youth Risk Behavior Survey Public High School Results (2015 n = 6,089; 2017 n = 6,031; and 2019 n = 5,879) and 2019 U.S. Results (n = 13,677)

Survey Item	Hawai‘i				U.S.	
	2015 %	2017 %	2019 %	2019 vs. 2017 ^a	2019 %	HI vs. U.S. ^a
Socio-Demographics						
Females^b	50.1	50.6	48.0	— ^c	49.4	—
Males^b	49.9	49.4	52.0	—	50.6	—
Gay, lesbian, or bisexual^b	8.7	11.2	10.3	—	11.2	—
Transgender	NA ^d	3.1	1.7	Decreased	NA	NA
Ethnicity/Race						
Filipino	27.8	27.5	26.7	—	NA	NA
Hispanic/Latino	8.9	10.0	6.4	Decreased	26.1	Δ ^e
Native Hawaiian	23.2	23.8	25.6	—	NA	NA
Other Asian/Pacific Islander	16.0	13.0	21.0	—	NA	NA
White	14.4	15.3	14.8	—	51.2	Δ
All other races	0.7	0.9	0.4	Decreased	NA	NA
Multiple races	8.9	9.5	5.1	Decreased	NA	NA
Did not describe themselves as only one race or ethnicity	18.4	19.0	15.3	Decreased	NA	NA
Grade 9^b	28.8	28.2	28.6	—	26.6	—
Grade 10^b	25.0	25.3	26.0	—	25.5	—
Grade 11^b	22.7	23.7	23.6	—	24.2	—
Grade 12^b	23.2	22.2	21.6	—	23.5	—

^aBased on *t*-test analysis, *p* < 0.05

^b2019 Hawai‘i vs. U.S. comparison based on 95% confidence intervals

^cNo statistically significant difference, *p* < 0.05

^dNot available

^eNo statistical comparison was done between Hawai‘i state and U.S. 2019 or state level data are not directly comparable to national data due to differences in survey wording

table continues

Table C1. 2015–2019 Hawai‘i YRBS Public High School & 2019 U.S. Results cont.

Survey Item	Hawai‘i				U.S.	
	2015 %	2017 %	2019 %	2019 vs. 2017	2019 %	HI vs. U.S.
Socio-Demographics cont.						
Reported that either of their parents or other adults in their family were serving on active duty in the military	NA	19.7	24.2	—	NA	NA
Did not usually sleep in their parent’s or guardian’s home (during the 30 days before the survey)	NA	9.8	8.5	—	NA	NA
Injuries and Violence						
Rode in a car driven by someone, including themselves, who was “high” or had been using alcohol or drugs (during the 30 days before the survey)	20.3	20.6	21.5	—	NA	NA
Were in a physical fight (one or more times during the 12 months before the survey)	14.9	16.8	16.7	—	21.9	Less Likely
Did not go to school because they felt unsafe at school or on their way to or from school (on at least 1 day during the 30 days before the survey)	9.1	9.3	12.4	—	8.7	—
Were electronically bullied (counting being bullied through texting, Instagram, Facebook, or other social media during the 12 months before the survey)	14.7	14.6	13.1	—	15.7	Less Likely
Were bullied on school property (during the 12 months before the survey)	18.6	18.4	17.0	—	19.5	Less Likely
Strongly agreed or agreed that harassment and bullying by other students is a problem at their school	NA	38.6	40.4	—	NA	NA
Were ever physically forced to have sexual intercourse (when they did not want to)	8.8	8.3	7.7	—	7.3	—
Experienced physical dating violence (counting being hit, slammed into something, or injured with an object or weapon on purpose by someone they were dating or going out with one or more times during the 12 months before the survey among students who dated or went out with someone)	9.8	11.3	8.6	—	8.2	—

table continues

Table C1. 2015–2019 Hawai‘i YRBS Public High School & 2019 U.S. Results cont.

Survey Item	Hawai‘i				U.S.	
	2015 %	2017 %	2019 %	2019 vs. 2017	2019 %	HI vs. U.S.
Injuries and Violence cont.						
Experienced sexual dating violence (counting being kissed, touched, or physically forced to have sexual intercourse by someone they were dating or going out with one or more times during the past 12 months before the survey among students who dated or went out with someone)	12.7	NA	7.7	NA	8.2	—
Experienced sexual violence (counting being kissed, touched, or physically forced to have sexual intercourse by anyone one or more times during the past 12 months before the survey)	NA	11.7	10.8	—	10.8	—
Mental Health and Suicide						
Purposely hurt themselves without wanting to die (such as cutting or burning themselves one or more times during the 12 months before the survey)	23.0	19.1	19.7	—	NA	NA
Felt sad or hopeless (almost every day for 2 or more weeks in a row so that they stopped doing some usual activities during the 12 months before the survey)	29.5	29.5	34.7	Increased	36.7	—
Never or rarely got the kind of help they needed (among students who reported having felt sad, empty, hopeless, angry, or anxious)	NA	55.3	55.5	—	NA	NA
Seriously considered attempting suicide (during the 12 months before the survey)	16.0	16.0	16.7	—	18.8	Less Likely
Made a plan about how they would attempt suicide (during the 12 months before the survey)	15.6	13.8	14.6	—	15.7	—
Attempted suicide (one or more times during the 12 months before the survey)	10.5	10.0	10.5	—	8.9	—
Suicide attempt resulted in an injury, poisoning, or overdose that had to be treated by a doctor or nurse (during the 12 months before the survey)	3.4	2.4	3.2	—	2.5	—

table continues

Table C1. 2015–2019 Hawai‘i YRBS Public High School & 2019 U.S. Results cont.

Survey Item	Hawai‘i				U.S.	
	2015 %	2017 %	2019 %	2019 vs. 2017	2019 %	HI vs. U.S.
Tobacco Use						
Ever tried cigarette smoking (even one or two puffs)	25.0	NA	17.8	NA	24.1	Less Likely
First tried cigarette smoking before age 13 years (even one or two puffs)	NA	10.8	7.4	Decreased	7.9	—
Currently smoked cigarettes (on at least 1 day during the 30 days before the survey)	9.7	8.1	5.3	Decreased	6.0	—
Currently smoked cigarettes frequently (on 20 or more days during the 30 days before the survey)	1.9	1.7	1.2	—	1.3	—
Currently smoked cigarettes daily (on all 30 days during the 30 days before the survey)	1.2	1.2	0.9	—	1.1	—
Ever used an electronic vapor product (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods)	45.1	NA	48.3	NA	50.1	—
First tried using an electronic vapor product before age 13 years (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods)	NA	9.0	8.8	—	NA	NA
Currently used an electronic vapor product (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods on at least 1 day during the 30 days before the survey)	25.1	25.5	30.6	Increased	32.7	—
Currently used electronic vapor products frequently (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods on 20 or more days during the 30 days before the survey)	3.6	5.1	10.4	Increased	10.7	—
Currently used electronic vapor products daily (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods on all 30 days during the 30 days before the survey)	2.4	3.5	7.9	Increased	7.2	—
Usually got their own electronic vapor products by buying them in a store (during the 30 days before the survey among students who currently used electronic vapor products)	NA	NA	4.7	NA	8.1	Less Likely
Currently smoked cigarettes or used electronic vapor products (on at least one day during the 30 days before the survey)	28.5	27.5	32.1	Increased	34.4	—

table continues

Table C1. 2015–2019 Hawai‘i YRBS Public High School & 2019 U.S. Results cont.

Survey Item	Hawai‘i				U.S.	
	2015 %	2017 %	2019 %	2019 vs. 2017	2019 %	HI vs. U.S.
Alcohol and Other Drug Use						
Ever drank alcohol ^b (other than a few sips)	49.4	49.0	44.9	Decreased	56.5	Less Likely
Drank alcohol for the first time before age 13 years (other than a few sips)	16.9	16.8	15.2	—	15.0	—
Currently drank alcohol (at least one drink of alcohol on at least 1 day during the 30 days before the survey)	25.1	24.5	20.4	Decreased	29.2	Less Likely
Usually got the alcohol they drank by someone giving it to them (during the 30 days before the survey among students who currently drank alcohol)	NA	NA	36.7	NA	40.5	—
Usually drank alcohol at their home or another person’s home (during the 30 days before the survey among students who currently drank alcohol)	NA	NA	73.0	NA	NA	NA
Reported liquor as the type of alcohol they drank most often (during the 30 days before the survey among students who currently drank alcohol)	NA	NA	37.9	NA	NA	NA
Were currently binge drinking (had four or more drinks of alcohol in a row for female students or five or more drinks of alcohol in a row for male students within a couple of hours on at least 1 day during the 30 days before the survey)	NA	12.6	10.9	—	13.7	Less Likely
Thought parents would feel it was a little bit wrong, wrong, or very wrong for them to drink beer, wine, or hard liquor regularly	88.0	87.7	85.7	—	NA	NA
Attended school under the influence of alcohol, marijuana, or other drugs (during the 12 months before the survey)	16.7	16.8	19.6	Increased	NA	NA
Ever used marijuana	32.6	31.1	29.9	—	37.6	Δ
Tried marijuana for the first time before age 13 years	9.5	9.1	6.9	—	5.6	—
Currently used marijuana (one or more times during the 30 days before the survey)	19.4	18.1	17.2	—	21.7	Less Likely
Usually used marijuana by smoking it (in a joint, bong, pipe, or blunt during the 30 days before the survey among students who currently used marijuana)	NA	NA	54.4	NA	NA	NA

table continues

Table C1. 2015–2019 Hawai‘i YRBS Public High School & 2019 U.S. Results cont.

Survey Item	Hawai‘i				U.S.	
	2015 %	2017 %	2019 %	2019 vs. 2017	2019 %	HI vs. U.S.
Alcohol and Other Drug Use cont.						
Ever used any of the following drugs one or more times during their life						
Any form of cocaine (such as powder, crack, or freebase)	5.7	7.1	5.8	—	3.9	More Likely
Ecstasy (also called “MDMA”)	8.0	6.0	4.5	Decreased	3.6	—
Heroin (also called “smack,” “junk,” or “China White”)	3.3	4.5	3.6	—	1.8	More Likely
Methamphetamines (also called “speed,” “crystal,” “crank,” or “ice,” or “meth”)	3.8	4.8	4.5	—	2.1	More Likely
Ever took prescription pain medicine without a doctor’s prescription or differently than how a doctor told them to use it (such as codeine, Vicodin, OxyContin, Hydrocodone, and Percocet one or more times during their life)	NA	12.2	14.4	—	14.3	—
Currently took prescription pain medicine without a doctor’s prescription or differently than how a doctor told them to use it^b (such as codeine, Vicodin, OxyContin, Hydrocodone, and Percocet one or more times during the 30 days before the survey)	NA	NA	8.5	NA	7.2	—
Ever used a needle to inject any illegal drug into their body (one or more times during their life)	3.3	2.8	2.6	—	1.6	More Likely
Sexual Behaviors						
Ever had sexual intercourse	30.7	28.2	27.7	—	38.4	Δ
Had sexual intercourse for the first time before age 13 years	3.5	3.4	2.9	—	3.0	—
Had sexual intercourse with four or more persons (during their life)	6.8	5.4	4.6	—	8.6	Less Likely
Were currently sexually active (had sexual intercourse with at least one person during the 3 months before the survey)	22.3	19.2	17.6	—	27.4	Less Likely

table continues

Table C1. 2015–2019 Hawai‘i YRBS Public High School & 2019 U.S. Results cont.

Survey Item	Hawai‘i				U.S.	
	2015 %	2017 %	2019 %	2019 vs. 2017	2019 %	HI vs. U.S.
Sexual Behaviors cont.						
Used a condom during last sexual intercourse (among students who were currently sexually active)	48.4	42.7	45.5	—	54.3	Less Likely
Drank alcohol or used drugs before last sexual intercourse (among students who were currently sexually active)	19.9	22.8	20.7	—	21.2	—
Ever had sexual contact with both males and females ^b	3.4	4.2	2.9	Decreased	4.8	Less Likely
Used the following birth control methods during or before last sexual intercourse to prevent pregnancy, among students who were currently sexually active						
Birth control pills	16.7	15.9	14.8	—	23.0	Less Likely
IUD (e.g., Mirena or ParaGard) or implant (e.g., Implanon or Nexplanon)	4.6	7.9	9.7	—	4.8	More Likely
Birth control pills; an IUD (e.g., Mirena or ParaGard) or implant (e.g., Implanon or Nexplanon); or a shot (e.g., Depo-Provera), patch (e.g., OrthoEvra), or birth control ring (e.g., NuvaRing)	26.8	29.9	29.4	—	30.9	—
Both a condom and birth control pills; an IUD (e.g., Mirena or ParaGard) or implant (e.g., Implanon or Nexplanon); or a shot (e.g., Depo-Provera), patch (e.g., OrthoEvra), or birth control ring (e.g., NuvaRing)	7.0	5.5	6.6	—	9.1	—
None	13.2	15.8	16.0	—	11.9	More Likely
Weight and Nutrition						
Had obesity ^f (≥ 95th percentile for body mass index, based on sex- and age-specific reference data from the 2000 CDC growth charts)	12.9	14.2	16.4	—	15.5	—
Were overweight ^f (≥ 85th percentile but < 95th percentile for body mass index, based on sex- and age-specific reference data from the 2000 CDC growth charts)	15.3	14.2	14.4	—	16.1	—
Tried to lose weight or keep from gaining weight (by going without eating for 24 hours or more; taking any diet pills, powders, or liquids; vomiting or taking laxatives; smoking cigarettes; or skipping meals during the 30 days before the survey)	NA	21.1	21.5	—	NA	NA

^f Beginning in 2017, new, slightly different ranges were used to calculate biologically implausible responses to height and weight questions.

Table C1. 2015–2019 Hawai‘i YRBS Public High School & 2019 U.S. Results cont.

Survey Item	Hawai‘i				U.S.	
	2015 %	2017 %	2019 %	2019 vs. 2017	2019 %	HI vs. U.S.
Weight and Nutrition cont.						
Ate fruit or drank 100% fruit juices two or more times per day (during the 7 days before the survey)	23.2	21.2	19.7	—	28.9	Less Likely
Did not eat fruit or drink 100% fruit juices (during the 7 days before the survey)	7.8	7.5	9.5	Increased	6.3	More Likely
Did not eat fruit ^b (during the 7 days before the survey)	13.7	13.1	13.6	—	11.9	—
Did not drink 100% fruit juices ^b (during the 7 days before the survey)	33.8	35.9	43.9	Increased	30.8	More Likely
Ate vegetables three or more times per day (during the 7 days before the survey)	NA	11.8	13.0	—	14.0	—
Did not eat vegetables (during the 7 days before the survey)	NA	8.4	10.0	—	7.9	—
Drank a can, bottle, or glass of soda or pop one or more times per day (not counting diet soda or diet pop during the 7 days before the survey)	13.4	11.0	10.6	—	15.1	Less Likely
Did not drink a can, bottle, pouch, or galss of soda or pop (not counting diet soda or diet pop during the 7 days before the survey)	34.2	37.3	38.8	—	31.7	More Likely
Drank a can, bottle, pouch, or glass of a juice drink one or more times per day (such as fruit punch, Hawaiian Sun, Aloha Maid, Sunny Delight, or Tang not counting 100% fruit juice during the 7 days before the survey)	12.5	10.2	10.7	—	NA	NA
Did not drink a can, bottle, pouch, or glass of a juice drink (such as fruit punch, Hawaiian Sun, Aloha Maid, Sunny Delight, or Tang not counting 100% fruit juice during the 7 days before the survey)	32.1	34.2	35.9	—	NA	NA
Ate breakfast on all 7 days (during the 7 days before the survey)	36.0	35.9	35.4	—	33.1	—
Did not eat breakfast (during the 7 days before the survey)	12.1	14.1	16.0	—	16.7	—
Went hungry most of the time or always because there was not enough food in their home (during the 30 days before the survey)	7.9	6.7	6.6	—	NA	NA

table continues

Table C1. 2015–2019 Hawai‘i YRBS Public High School & 2019 U.S. Results cont.

Survey Item	Hawai‘i				U.S.	
	2015 %	2017 %	2019 %	2019 vs. 2017	2019 %	HI vs. U.S.
Physical Activity						
Were physically active at least 60 minutes per day in the past 7 days (activity that increased their heart rate and made them breathe hard)						
0 days	18.0	19.3	19.5	—	17.0	More Likely
5 or more days	38.1	36.6	33.3	Decreased	44.1	Less Likely
All 7 days	20.3	19.6	17.1	Decreased	23.2	Less Likely
Did exercises to strengthen or tone their muscles on 3 or more days^b (such as push-ups, sit-ups, or weight lifting during the 7 days before the survey)	46.0	42.4	40.4	—	49.5	Less Likely
Attended physical education (PE) classes on 1 or more days (in an average week when they were in school)	42.4	39.7	42.7	—	52.2	Less Likely
Attended physical education (PE) classes on all 5 days (in an average week when they were in school)	6.7	5.8	8.5	—	25.9	Less Likely
Strongly agreed or agreed that the physical education (PE) classes they took offered a variety of physical activities (during the 12 months before the survey)	NA	NA	82.5	NA	NA	NA
Were usually physically active at least half of the time during physical education (PE) classes (during the 12 months before the survey)	NA	NA	91.1	NA	NA	NA
Reported that some of their classroom teachers provide short physical activity breaks during regular class time (not counting their physical education teacher)	NA	NA	28.3	NA	NA	NA
Played on at least one sports team (run by their school or community groups during the 12 months before the survey)	52.2	50.2	49.9	—	57.4	Less Likely
Watched 3 or more hours per day of television (on an average school day)	21.8	18.4	17.1	—	19.8	Less Likely

table continues

Table C1. 2015–2019 Hawai‘i YRBS Public High School & 2019 U.S. Results cont.

Survey Item	Hawai‘i				U.S.	
	2015 %	2017 %	2019 %	2019 vs. 2017	2019 %	HI vs. U.S.
Physical Activity cont.						
Played video or computer games or used a computer 3 or more hours per day (for something that was not school work on an average school day)	40.6	40.7	41.8	—	46.1	Less Likely
Rode their bike or walked to or from school on 1 or more days (in an average week when they were in school)	NA	NA	33.6	NA	NA	NA
Health						
Saw a doctor or nurse (for a check-up or physical exam when they were not sick or injured during the 12 months before the survey)	61.9	65.9	64.0	—	NA	NA
Saw a dentist (for a check-up, exam, teeth cleaning, or other dental work during the 12 months before the survey)	70.8	74.4	71.7	—	75.9	—
Never saw a dentist (for a check-up, exam, teeth cleaning, or other dental work)	2.5	1.8	2.0	—	1.9	—
Missed school because of problems with their teeth or mouth (one or more times during the 12 months before the survey)	NA	NA	19.8	NA	NA	NA
Did not go to school because they were sick (one or more times during the 30 days before the survey)	NA	43.1	46.7	—	NA	NA
Had a concussion from playing a sport or being physically active (one or more times during the 12 months before the survey)	NA	NA	15.9	NA	15.1	—
Protective Factors						
Were ever taught in school about sexually transmitted diseases (STDs)	NA	NA	73.6	NA	NA	NA
Were ever taught in school about the benefits of not having sexual intercourse to prevent pregnancy and sexually transmitted diseases (STDs)	NA	NA	71.7	NA	NA	NA
Were ever taught in school about how to use birth control methods or where to get birth control	NA	NA	54.4	NA	NA	NA

table continues

Table C1. 2015–2019 Hawai‘i YRBS Public High School & 2019 U.S. Results cont.

Survey Item	Hawai‘i				U.S.	
	2015 %	2017 %	2019 %	2019 vs. 2017	2019 %	HI vs. U.S.
Protective Factors cont.						
Were ever taught in school about where they could get sexual health services (such as birth control, condoms, or HIV or other sexually transmitted diseases (STD) testing or treatment)	NA	NA	56.4	NA	NA	NA
Wore sunscreen most of the time or always ^b (with an SPF of 15 or higher when they were outside for more than one hour on a sunny day)	NA	11.7	12.4	—	15.5	—
Had 8 or more hours of sleep (on an average school night)	24.7	22.8	22.8	—	22.1	—
Talked with at least one of their parents or another adult in their family about the dangers of tobacco, alcohol, or drug use (during the 12 months before the survey)	38.6	44.1	45.7	—	NA	NA
Had parents or other adults in their family talk with them about what they expected them to do or not to do when it came to sex	48.1	52.4	47.3	Decreased	NA	NA
Had at least one teacher or other adult in their school they could talk to if they had a problem	63.5	61.6	60.8	—	NA	NA
Had an adult outside of school they could talk to about things that were important to them	73.2	71.8	66.9	Decreased	NA	NA
Described their grades in school as mostly A’s or B’s (during the 12 months before the survey)	66.8	71.1	73.0	—	NA	NA
Thought they probably or definitely will complete a post high school program (such as a vocational training program, military service, community college, or 4-year college)	73.6	68.4	72.6	Increased	NA	NA

Table C2. 1993–2019 Hawai‘i Youth Risk Behavior Survey Public High School Trends

Survey Item	1993 %	1995 %	1997 %	1999 %	2005 %	2007 %	2009 %	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change ^a	
Socio-Demographics														
Did not describe themselves as only one race or ethnicity	NA ^b	NA	NA	NA	NA	NA	NA	NA	NA	20.6	18.4	19.0	15.3	Decreased (2013–2019)
Injuries and Violence														
Rode in a car driven by someone, including themselves, who was “high” or had been using alcohol or drugs (during the 30 days before the survey)	NA	NA	NA	NA	NA	NA	NA	NA	NA	23.0	20.3	20.6	21.5	— ^c
Were in a physical fight (one or more times during the 12 months before the survey)	37.0	33.4	31.7	30.6	27.0	28.6	29.5	22.3	16.7	14.9	16.8	16.7	Decreased (1993–2019)	
Did not go to school because they felt unsafe at school or on their way to or from school (on at least 1 day during the 30 days before the survey)	6.5	4.8	5.6	11.4	6.7	7.8	7.9	6.6	8.4	9.1	9.3	12.4	Increased (1993–2019)	
Were electronically bullied (counting being bullied through texting, Instagram, Facebook, or other social media during the 12 months before the survey)	NA	NA	NA	NA	NA	NA	NA	14.9	15.6	14.7	14.6	13.1	—	
Were bullied on school property (during the 12 months before the survey)	NA	NA	NA	NA	NA	NA	NA	20.3	18.7	18.6	18.4	17.0	Decreased (2011–2019)	
Were ever physically forced to have sexual intercourse (when they did not want to)	NA	NA	NA	NA	10.3	7.8	10.3	7.1	8.4	8.8	8.3	7.7	Decreased (2005–2019)	
Experienced physical dating violence (counting being hit, slammed into something, or injured with an object or weapon on purpose by someone they were dating or going out with one or more times during the 12 months before the survey among students who dated or went out with someone)	NA	NA	NA	NA	NA	NA	NA	NA	11.1	9.8	11.3	8.6	—	
Mental Health and Suicide														
Purposely hurt themselves without wanting to die (such as cutting or burning themselves one or more times during the 12 months before the survey)	NA	NA	NA	NA	NA	NA	NA	NA	NA	20.6	23.0	19.1	19.7	—

^a Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$

^b Not available

^c No statistically significant difference, $p < 0.05$

table continues

Table C2. 1993–2019 Hawai‘i Youth Risk Behavior Survey Public High School Trends cont.

Survey Item	1993 %	1995 %	1997 %	1999 %	2005 %	2007 %	2009 %	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change
Mental Health and Suicide cont.													
Felt sad or hopeless (almost every day for 2 or more weeks in a row so that they stopped doing some usual activities during the 12 months before the survey)	NA	NA	NA	31.8	31.8	31.8	30.6	29.5	29.8	29.5	29.5	34.7	—
Seriously considered attempting suicide (during the 12 months before the survey)	27.8	25.5	26.9	23.3	19.8	18.5	18.9	16.1	16.9	16.0	16.0	16.7	Decreased (1993–2019)
Made a plan about how they would attempt suicide (during the 12 months before the survey)	21.4	20.3	20.1	18.5	17.2	17.0	16.0	15.0	15.2	15.6	13.8	14.6	Decreased (1993–2019)
Attempted suicide (one or more times during the 12 months before the survey)	12.6	12.7	11.5	10.1	12.9	12.0	12.8	8.6	10.7	10.5	10.0	10.5	Decreased (1993–2019)
Suicide attempt resulted in an injury, poisoning, or overdose that had to be treated by a doctor or nurse (during the 12 months before the survey)	3.8	4.0	4.0	3.7	3.7	3.0	4.5	3.4	3.2	3.4	2.4	3.2	Decreased (1993–2019)
Tobacco Use													
Currently smoked cigarettes (on at least 1 day during the 30 days before the survey)	28.2	32.4	29.2	27.9	16.4	12.8	15.2	10.1	10.4	9.7	8.1	5.3	Decreased (1993–2019)
Currently smoked cigarettes frequently (on 20 or more days during the 30 days before the survey)	13.3	16.9	14.5	13.1	4.8	4.5	4.8	3.9	3.0	1.9	1.7	1.2	Decreased (1993–2019)
Currently smoked cigarettes daily (on all 30 days during the 30 days before the survey)	10.0	13.1	9.0	10.2	3.4	3.5	3.9	2.3	2.2	1.2	1.2	0.9	Decreased (1993–2019)
Currently used an electronic vapor product (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods on at least 1 day during the 30 days before the survey)	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.1	25.5	30.6	Increased (2015–2019)
Currently used electronic vapor products frequently (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods on 20 or more days during the 30 days before the survey)	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.6	5.1	10.4	Increased (2015–2019)
Currently used electronic vapor products daily (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods on all 30 days during the 30 days before the survey)	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.4	3.5	7.9	Increased (2015–2019)
Currently smoked cigarettes or used electronic vapor products (on at least one day during the 30 days before the survey)	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.5	27.5	32.1	Increased (2015–2019)

table continues

Table C2. 1993–2019 Hawai‘i Youth Risk Behavior Survey Public High School Trends cont.

Survey Item	1993 %	1995 %	1997 %	1999 %	2005 %	2007 %	2009 %	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change
Alcohol and Other Drug Use													
Drank alcohol for the first time before age 13 years (other than a few sips)	33.8	33.9	31.7	33.6	27.3	21.0	28.6	19.2	17.5	16.9	16.8	15.2	Decreased (1993–2019)
Currently drank alcohol (at least one drink of alcohol on at least 1 day during the 30 days before the survey)	38.4	40.9	40.3	44.6	34.8	29.1	37.8	29.1	25.2	25.1	24.5	20.4	Decreased (1993–2019)
Thought parents would feel it was a little bit wrong, wrong, or very wrong for them to drink beer, wine, or hard liquor regularly	NA	NA	NA	NA	NA	NA	NA	88.5	86.8	88.0	87.7	85.7	—
Attended school under the influence of alcohol, marijuana, or other drugs (during the 12 months before the survey)	NA	NA	NA	NA	NA	NA	NA	NA	NA	16.7	16.8	19.6	Increased (2015–2019)
Tried marijuana for the first time before age 13 years	10.7	14.1	14.4	14.8	12.5	11.7	11.9	9.5	10.4	9.5	9.1	6.9	Decreased (1993–2019)
Currently used marijuana (one or more times during the 30 days before the survey)	16.7	23.8	24.3	24.7	17.2	15.7	22.1	21.9	18.9	19.4	18.1	17.2	Decreased (1993–2019)
Ever used any of the following drugs one or more times during their life													
Any form of cocaine (such as powder, crack, or freebase)	8.2	7.9	7.4	7.8	6.5	5.6	6.0	6.4	6.5	5.7	7.1	5.8	Decreased (1993–2019)
Ecstasy (also called “MDMA”)	NA	NA	NA	NA	6.1	4.6	8.2	9.0	8.0	8.0	6.0	4.5	—
Heroin (also called “smack,” “junk,” or “China White”)	NA	NA	NA	NA	NA	NA	NA	NA	3.4	3.3	4.5	3.6	—
Methamphetamines (also called “speed,” “crystal,” “crank,” or “ice,” or “meth”)	NA	NA	NA	7.7	4.3	4.5	3.9	3.4	4.3	3.8	4.8	4.5	Decreased (1999–2019)
Ever used a needle to inject any illegal drug into their body (one or more times during their life)	NA	NA	NA	NA	NA	NA	NA	NA	2.6	3.3	2.8	2.6	—

table continues

Table C2. 1993–2019 Hawai‘i Youth Risk Behavior Survey Public High School Trends cont.

Survey Item	1993 %	1995 %	1997 %	1999 %	2005 %	2007 %	2009 %	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change
Sexual Behaviors													
Had sexual intercourse for the first time before age 13 years	7.3	7.1	7.0	6.8	5.1	5.1	6.0	5.2	4.0	3.5	3.4	2.9	Decreased (1993–2019)
Had sexual intercourse with four or more persons (during their life)	11.4	11.0	9.1	12.2	9.0	6.1	11.1	8.0	7.7	6.8	5.4	4.6	Decreased (1993–2019)
Were currently sexually active (had sexual intercourse with at least one person during the 3 months before the survey)	28.7	28.9	25.8	28.5	24.1	23.6	30.5	23.9	24.8	22.3	19.2	17.6	Decreased (1993–2019)
Used a condom during last sexual intercourse (among students who were currently sexually active)	50.6	40.9	41.0	47.1	47.6	54.2	47.7	43.9	45.9	48.4	42.7	45.5	—
Drank alcohol or used drugs before last sexual intercourse (among students who were currently sexually active)	18.0	21.4	22.7	26.8	22.8	27.2	30.2	20.9	24.0	19.9	22.8	20.7	—
Used the following birth control methods during or before last sexual intercourse to prevent pregnancy, among students who were currently sexually active													
Birth control pills	13.9	17.4	19.3	18.1	12.7	12.2	14.5	14.3	14.9	16.7	15.9	14.8	—
IUD (e.g., Mirena or ParaGard) or implant (e.g., Implanon or Nexplanon)	NA	NA	NA	NA	NA	NA	NA	NA	4.4	4.6	7.9	9.7	Increased (2013–2019)
Birth control pills; an IUD (e.g., Mirena or ParaGard) or implant (e.g., Implanon or Nexplanon); or a shot (e.g., Depo-Provera), patch (e.g., OrthoEvra), or birth control ring (e.g., NuvaRing)	NA	NA	NA	NA	NA	NA	NA	NA	25.6	26.8	29.9	29.4	—
Both a condom and birth control pills; an IUD (e.g., Mirena or ParaGard) or implant (e.g., Implanon or Nexplanon); or a shot (e.g., Depo-Provera), patch (e.g., OrthoEvra), or birth control ring (e.g., NuvaRing)	NA	NA	NA	NA	NA	NA	NA	NA	7.2	7.0	5.5	6.6	—
None	16.5	21.0	20.5	19.9	17.8	20.3	20.8	19.8	15.6	13.2	15.8	16.0	—

table continues

Table C2. 1993–2019 Hawai‘i Youth Risk Behavior Survey Public High School Trends cont.

Survey Item	1993 %	1995 %	1997 %	1999 %	2005 %	2007 %	2009 %	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change
Weight and Nutrition													
Had obesity^d (≥ 95th percentile for body mass index, based on sex- and age-specific reference data from the 2000 CDC growth charts)	NA	NA	NA	10.2	13.1	15.2	14.2	13.2	13.4	12.9	14.2	16.4	Increased (1999–2019)
Were overweight^d (≥ 85th percentile but < 95th percentile for body mass index, based on sex- and age-specific reference data from the 2000 CDC growth charts)	NA	NA	NA	14.0	13.7	13.9	13.7	13.4	14.9	15.3	14.2	14.4	—
Ate fruit or drank 100% fruit juices two or more times per day (during the 7 days before the survey)	NA	NA	NA	27.2	27.5	24.4	24.4	25.5	27.1	23.2	21.2	19.7	Decreased (1999–2019)
Did not eat fruit or drink 100% fruit juices (during the 7 days before the survey)	NA	NA	NA	5.6	7.3	7.5	6.1	6.1	5.3	7.8	7.5	9.5	Increased (1999–2019)
Did not eat fruit (one or more times during the 7 days before the survey)	NA	NA	NA	11.2	14.3	12.8	10.9	11.4	8.5	13.7	13.1	13.6	—
Did not drink 100% fruit juices (one or more times during the 7 days before the survey)	NA	NA	NA	28.9	27.1	30.2	26.5	27.8	30.7	33.8	35.9	43.9	Increased (1999–2019)
Drank a can, bottle, or glass of soda or pop one or more times per day (not counting diet soda or diet pop during the 7 days before the survey)	NA	NA	NA	NA	NA	22.6	20.8	17.5	15.8	13.4	11.0	10.6	Decreased (2007–2019)
Did not drink a can, bottle, or glass of soda or pop (not counting diet soda or diet pop during the 7 days before the survey)	NA	NA	NA	NA	NA	20.8	23.4	23.1	30.0	34.2	37.3	38.8	Increased (2007–2019)
Drank a can, bottle, pouch, or glass of a juice drink one or more times per day (such as fruit punch, Hawaiian Sun, Aloha Maid, Sunny Delight, or Tang not counting 100% fruit juice during the 7 days before the survey)	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.5	10.2	10.7	—
Ate breakfast on all 7 days (during the 7 days before the survey)	NA	NA	NA	NA	NA	NA	NA	NA	38.1	36.0	35.9	35.4	—

^d Overweight and obese prevalence estimates for 1999 differ slightly from previously published results because different BMI cut points were used in 1999 than in subsequent years. To make these prevalence estimates comparable, the 1999 prevalence estimates were recalculated using the updated BMI cut points. In addition, beginning in 2017, new, slightly different ranges were used to calculate biologically implausible responses to height and weight questions.

table continues

Table C2. 1993–2019 Hawai‘i Youth Risk Behavior Survey Public High School Trends cont.

Survey Item	1993 %	1995 %	1997 %	1999 %	2005 %	2007 %	2009 %	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change
Weight and Nutrition cont.													
Did not eat breakfast (during the 7 days before the survey)	NA	NA	NA	NA	NA	NA	NA	NA	10.1	12.1	14.1	16.0	Increased (2013–2019)
Went hungry most of the time or always because there was not enough food in their home (during the 30 days before the survey)	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.9	6.7	6.6	—
Physical Activity													
Were physically active at least 60 minutes per day in the past 7 days (activity that increased their heart rate and made them breathe hard)													
0 days	NA	NA	NA	NA	NA	NA	NA	18.5	17.4	18.0	19.3	19.5	—
5 or more days	NA	NA	NA	NA	NA	NA	NA	37.9	40.2	38.1	36.6	33.3	Decreased (2011–2019)
All 7 days	NA	NA	NA	NA	NA	NA	NA	21.0	22.0	20.3	19.6	17.1	Decreased (2011–2019)
Did exercises to strengthen or tone their muscles on 3 or more days (such as push-ups, sit-ups, or weight lifting during the 7 days before the survey)	NA	NA	NA	NA	NA	NA	NA	NA	46.3	46.0	42.4	40.4	Decreased (2013–2019)
Attended physical education (PE) classes on 1 or more days (in an average week when they were in school)	42.5	41.6	40.4	41.9	38.1	38.5	43.8	41.6	39.1	42.4	39.7	42.7	—
Attended physical education (PE) classes on all 5 days (in an average week when they were in school)	19.2	17.5	11.6	8.9	12.1	7.8	11.4	6.9	7.3	6.7	5.8	8.5	Decreased (1993–2019)
Played on at least one sports team (run by their school or community groups during the 12 months before the survey)	NA	NA	NA	NA	NA	NA	NA	54.8	52.1	52.2	50.2	49.9	Decreased (2011–2019)
Watched 3 or more hours per day of television (on an average school day)	NA	NA	NA	44.7	36.9	32.9	30.1	31.7	29.3	21.8	18.4	17.1	Decreased (1999–2019)
Played video or computer games or used a computer 3 or more hours per day (for something that was not school work on an average school day)	NA	NA	NA	NA	NA	31.1	27.4	36.6	42.1	40.6	40.7	41.8	Increased (2007–2019)

table continues

Table C2. 1993–2019 Hawai‘i Youth Risk Behavior Survey Public High School Trends cont.

Survey Item	1993 %	1995 %	1997 %	1999 %	2005 %	2007 %	2009 %	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change
Health													
Saw a doctor or nurse (for a check-up or physical exam when they were not sick or injured during the 12 months before the survey)	NA	NA	NA	NA	NA	NA	NA	NA	62.2	61.9	65.9	64.0	—
Saw a dentist (for a check-up, exam, teeth cleaning, or other dental work during the 12 months before the survey)	NA	NA	NA	NA	NA	NA	NA	NA	70.3	70.8	74.4	71.7	—
Never saw a dentist (for a check-up, exam, teeth cleaning, or other dental work)	NA	NA	NA	NA	NA	NA	NA	NA	2.0	2.5	1.8	2.0	—
Protective Factors													
Had 8 or more hours of sleep (on an average school night)	NA	NA	NA	NA	NA	NA	NA	NA	26.8	24.7	22.8	22.8	Decreased (2013–2019)
Talked with at least one of their parents or another adult in their family about the dangers of tobacco, alcohol, or drug use (during the 12 months before the survey)	NA	NA	NA	NA	NA	NA	NA	45.3	39.1	38.6	44.1	45.7	Increased (2011–2019)
Had parents or other adults in their family talk with them about what they expected them to do or not to do when it came to sex	NA	NA	NA	NA	NA	NA	NA	NA	NA	48.1	52.4	47.3	—
Had at least one teacher or other adult in their school they could talk to if they had a problem	NA	NA	NA	NA	NA	NA	65.5	66.3	68.2	63.5	61.6	60.8	Decreased (2009–2019)
Had an adult outside of school they could talk to about things that were important to them	NA	NA	NA	NA	NA	NA	76.5	77.3	76.7	73.2	71.8	66.9	Decreased (2009–2019)
Described their grades in school as mostly A’s or B’s (during the 12 months before the survey)	NA	NA	NA	NA	NA	NA	57.1	62.5	66.2	66.8	71.1	73.0	Increased (2009–2019)
Thought they probably or definitely will complete a post high school program (such as a vocational training program, military service, community college, or 4-year college)	NA	NA	NA	NA	NA	75.6	74.6	80.2	76.3	73.6	68.4	72.6	Decreased (2007–2019)

Table C3. 2013–2019 Hawai‘i Youth Risk Behavior Survey Public High School Hawai‘i County Results and Trends (2013 *n* = 1,162; 2015 *n* = 1,387; 2017 *n* = 1,517; and 2019 *n* = 1,296) and 2019 State Results (*n* = 5,879)

Survey Item	Hawai‘i County							2019	
	2011 % ^a	2013 %	2015 %	2017 %	2019 %	Linear Change ^b	2019 vs. 2017 ^c	State %	Hawai‘i County vs. State ^c
Socio-Demographics									
Females	NA ^d	50.4	50.2	51.2	47.5	NA	— ^e	48.0	—
Males	NA	49.6	49.8	48.8	52.5	NA	—	52.0	—
Gay, lesbian, or bisexual	NA	6.6	10.2	11.5	11.3	NA	—	10.3	—
Transgender	NA	NA	NA	2.8	2.1	NA	—	1.7	—
Ethnicity/Race									
Filipino	NA	18.5	17.7	17.2	16.1	NA	—	26.7	Less Likely
Hispanic/Latino	NA	9.1	9.3	12.4	11.8	NA	—	6.4	More Likely
Native Hawaiian	NA	33.3	35.2	36.7	40.1	NA	—	25.6	More Likely
Other Asian/Pacific Islander	NA	13.4	13.2	7.2	6.0	NA	—	21.0	Less Likely
White	NA	18.4	18.0	18.2	17.8	NA	—	14.8	—
All other races	NA	0.8	0.6	0.5	0.5	NA	—	0.4	—
Multiple races	NA	6.5	5.9	7.8	7.8	NA	—	5.1	More Likely
Did not describe themselves as only one race or ethnicity	NA	21.1	20.0	23.9	23.0	—	—	15.3	More Likely
Grade 9	NA	28.5	28.3	29.2	28.7	NA	—	28.6	—
Grade 10	NA	23.9	25.0	26.1	26.3	NA	—	26.0	—
Grade 11	NA	23.5	23.0	22.3	22.1	NA	—	23.6	—
Grade 12	NA	23.8	23.1	21.6	22.8	NA	—	21.6	—

^a Participation was not high enough to obtain weighted results

^b Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, *p* < 0.05

^c Based on *t*-test analysis, *p* < 0.05

^d Not available

^e No statistically significant difference, *p* < 0.05

table continues

Table C3. 2013–2019 Hawai‘i YRBS Public High School Hawai‘i County Results and Trends and 2019 State Results cont.

Survey Item	Hawai‘i County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Hawai‘i County vs. State
Socio-Demographics cont.									
Reported that either of their parents or other adults in their family were serving on active duty in the military	NA	NA	NA	16.7	22.0	NA	Increased	24.2	—
Did not usually sleep in their parent’s or guardian’s home (during the 30 days before the survey)	NA	NA	NA	12.2	10.9	NA	—	8.5	More Likely
Injuries and Violence									
Rode in a car driven by someone, including themselves, who was “high” or had been using alcohol or drugs (during the 30 days before the survey)	NA	26.6	23.3	23.6	24.4	—	—	21.5	—
Were in a physical fight (one or more times during the 12 months before the survey)	NA	15.6	16.6	19.5	16.6	—	—	16.7	—
Did not go to school because they felt unsafe at school or on their way to or from school (on at least 1 day during the 30 days before the survey)	NA	8.6	12.2	10.5	13.4	—	—	12.4	—
Were electronically bullied (counting being bullied through texting, Instagram, Facebook, or other social media during the 12 months before the survey)	NA	15.7	16.1	15.1	15.8	—	—	13.1	More Likely
Were bullied on school property (during the 12 months before the survey)	NA	23.5	19.8	21.3	20.7	—	—	17.0	More Likely
Strongly agreed or agreed that harassment and bullying by other students is a problem at their school	NA	NA	NA	44.8	44.2	NA	—	40.4	—
Were ever physically forced to have sexual intercourse (when they did not want to)	NA	8.9	11.0	8.1	7.9	—	—	7.7	—

table continues

Table C3. 2013–2019 Hawai‘i YRBS Public High School Hawai‘i County Results and Trends and 2019 State Results cont.

Survey Item	Hawai‘i County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Hawai‘i County vs. State
Injuries and Violence cont.									
Experienced physical dating violence (counting being hit, slammed into something, or injured with an object or weapon on purpose by someone they were dating or going out with one or more times during the 12 months before the survey among students who dated or went out with someone)	NA	10.6	11.9	10.3	8.6	—	—	8.6	—
Experienced sexual dating violence (counting being kissed, touched, or physically forced to have sexual intercourse by someone they were dating or going out with one or more times during the past 12 months before the survey among students who dated or went out with someone)	NA	11.1	13.3	NA	7.1	NA	NA	7.7	—
Experienced sexual violence (counting being kissed, touched, or physically forced to have sexual intercourse by anyone one or more times during the past 12 months)	NA	NA	NA	13.3	11.7	NA	—	10.8	—
Mental Health and Suicide									
Purposely hurt themselves without wanting to die (such as cutting or burning themselves one or more times during the 12 months before the survey)	NA	20.9	25.5	22.4	22.2	—	—	19.7	—
Felt sad or hopeless (almost every day for 2 or more weeks in a row so that they stopped doing some usual activities during the 12 months before the survey)	NA	29.7	32.0	31.4	34.5	Increased	—	34.7	—
Never or rarely got the kind of help they needed (among students who reported having felt sad, empty, hopeless, angry, or anxious)	NA	NA	NA	52.0	57.4	NA	—	55.5	—
Seriously considered attempting suicide (during the 12 months before the survey)	NA	15.6	16.6	18.6	18.2	—	—	16.7	—

table continues

Table C3. 2013–2019 Hawai‘i YRBS Public High School Hawai‘i County Results and Trends and 2019 State Results cont.

Survey Item	Hawai‘i County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Hawai‘i County vs. State
Mental Health and Suicide cont.									
Made a plan about how they would attempt suicide (during the 12 months before the survey)	NA	14.8	15.5	15.7	15.8	—	—	14.6	—
Attempted suicide (one or more times during the 12 months before the survey)	NA	9.7	14.6	11.5	11.2	—	—	10.5	—
Suicide attempt resulted in an injury, poisoning, or overdose that had to be treated by a doctor or nurse (during the 12 months before the survey)	NA	3.9	5.0	3.5	4.3	—	—	3.2	—
Tobacco Use									
Ever tried cigarette smoking (even one or two puffs)	NA	NA	27.2	NA	21.1	NA	NA	17.8	More Likely
First tried cigarette smoking before age 13 years (even one or two puffs)	NA	NA	NA	14.1	8.5	NA	Decreased	7.4	—
Currently smoked cigarettes (on at least 1 day during the 30 days before the survey)	NA	11.4	11.4	10.1	5.8	Decreased	Decreased	5.3	—
Currently smoked cigarettes frequently (on 20 or more days during the 30 days before the survey)	NA	3.2	2.4	1.8	1.1	Decreased	—	1.2	—
Currently smoked cigarettes daily (on all 30 days during the 30 days before the survey)	NA	2.0	1.5	1.1	0.7	Decreased	—	0.9	—
Ever used an electronic vapor product (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods)	NA	NA	48.7	NA	56.5	NA	NA	48.3	More Likely
First tried using an electronic vapor product before age 13 years (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods)	NA	NA	NA	10.7	12.5	NA	—	8.8	More Likely

table continues

Table C3. 2013–2019 Hawai‘i YRBS Public High School Hawai‘i County Results and Trends and 2019 State Results cont.

Survey Item	Hawai‘i County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Hawai‘i County vs. State
Tobacco Use cont.									
Currently used an electronic vapor product (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods on at least 1 day during the 30 days before the survey)	NA	NA	29.5	34.1	35.4	Increased	—	30.6	More Likely
Currently used electronic vapor products frequently (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods on 20 or more days during the 30 days before the survey)	NA	NA	4.5	7.2	13.1	Increased	Increased	10.4	More Likely
Currently used electronic vapor products daily (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods on all 30 days during the 30 days before the survey)	NA	NA	2.9	4.9	10.1	Increased	Increased	7.9	More Likely
Usually got their own electronic vapor products by buying them in a store (during the 30 days before the survey among students who currently used electronic vapor products)	NA	NA	NA	NA	6.2	NA	NA	4.7	—
Currently smoked cigarettes or used electronic vapor products (on at least one day during the 30 days before the survey)	NA	NA	32.6	36.5	37.3	—	—	32.1	More Likely
Alcohol and Other Drug Use									
Ever drank alcohol (other than a few sips)	NA	60.5	58.0	58.7	57.3	NA	—	44.9	More Likely
Drank alcohol for the first time before age 13 years (other than a few sips)	NA	22.9	22.4	20.5	22.0	—	—	15.2	More Likely
Currently drank alcohol (at least one drink of alcohol on at least 1 day during the 30 days before the survey)	NA	31.7	29.9	32.1	27.9	—	—	20.4	More Likely
Usually got the alcohol they drank by someone giving it to them (during the 30 days before the survey among students who currently drank alcohol)	NA	NA	NA	NA	35.3	NA	NA	36.7	—

table continues

Table C3. 2013–2019 Hawai‘i YRBS Public High School Hawai‘i County Results and Trends and 2019 State Results cont.

Survey Item	Hawai‘i County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Hawai‘i County vs. State
Alcohol and Other Drug Use cont.									
Usually drank alcohol at their home or another person’s home (during the 30 days before the survey among students who currently drank alcohol)	NA	NA	NA	NA	76.9	NA	NA	73.0	—
Reported liquor as the type of alcohol they drank most often (during the 30 days before the survey among students who currently drank alcohol)	NA	NA	NA	NA	38.3	NA	NA	37.9	—
Were currently binge drinking (had four or more drinks of alcohol in a row for female students or five or more drinks of alcohol in a row for male students within a couple of hours on at least 1 day during the 30 days before the survey)	NA	NA	NA	16.3	16.1	NA	—	10.9	More Likely
Thought parents would feel it was a little bit wrong, wrong, or very wrong for them to drink beer, wine, or hard liquor regularly	NA	85.8	83.3	86.0	81.8	—	Decreased	85.7	Less Likely
Attended school under the influence of alcohol, marijuana, or other drugs (during the 12 months before the survey)	NA	NA	18.8	22.8	21.8	—	—	19.6	—
Ever used marijuana	NA	42.4	40.7	41.6	41.6	NA	—	29.9	More Likely
Tried marijuana for the first time before age 13 years	NA	14.5	15.5	14.9	11.9	Decreased	Decreased	6.9	More Likely
Currently used marijuana (one or more times during the 30 days before the survey)	NA	23.6	22.6	24.1	23.4	—	—	17.2	More Likely
Usually used marijuana by smoking it (in a joint, bong, pipe, or blunt during the 30 days before the survey among students who used marijuana)	NA	NA	NA	NA	71.1	NA	NA	54.4	More Likely

table continues

Table C3. 2013–2019 Hawai‘i YRBS Public High School Hawai‘i County Results and Trends and 2019 State Results cont.

Survey Item	Hawai‘i County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Hawai‘i County vs. State
Alcohol and Other Drug Use cont.									
Ever used any of the following drugs one or more times during their life									
Any form of cocaine (such as powder, crack, or freebase)	NA	7.5	7.4	7.5	7.4	—	—	5.8	—
Ecstasy (also called “MDMA”)	NA	8.2	9.7	7.2	6.3	Decreased	—	4.5	More Likely
Heroin (also called “smack,” “junk,” or “China White”)	NA	3.4	5.6	6.0	4.5	—	—	3.6	—
Methamphetamines (also called “speed,” “crystal,” “crank,” or “ice,” or “meth”)	NA	4.8	6.3	5.7	4.7	—	—	4.5	—
Ever took prescription pain medicine without a doctor’s prescription or differently than how a doctor told them to use it (such as codeine, Vicodin, OxyContin, Hydrocodone, and Percocet one or more times during their life)	NA	NA	NA	15.5	17.3	NA	—	14.4	—
Currently took prescription pain medicine without a doctor’s prescription or differently than how a doctor told them to use it (such as codeine, Vicodin, OxyContin, Hydrocodone, and Percocet during the 30 days before the survey)	NA	NA	NA	NA	11.2	NA	NA	8.5	More Likely
Ever used a needle to inject any illegal drug into their body (one or more times during their life)	NA	2.8	4.9	3.5	3.1	—	—	2.6	—
Sexual Behaviors									
Ever had sexual intercourse	NA	40.4	31.3	31.9	36.9	NA	—	27.7	More Likely
Had sexual intercourse for the first time before age 13 years	NA	6.9	4.5	5.0	4.3	—	—	2.9	More Likely

table continues

Table C3. 2013–2019 Hawai‘i YRBS Public High School Hawai‘i County Results and Trends and 2019 State Results cont.

Survey Item	Hawai‘i County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Hawai‘i County vs. State
Sexual Behaviors cont.									
Had sexual intercourse with four or more persons (during their life)	NA	10.6	8.6	7.1	7.4	—	—	4.6	More Likely
Were currently sexually active (had sexual intercourse with at least one person during the 3 months before the survey)	NA	27.9	23.8	22.1	24.4	—	—	17.6	More Likely
Used a condom during last sexual intercourse (among students who were currently sexually active)	NA	49.4	47.3	49.1	52.3	—	—	45.5	More Likely
Drank alcohol or used drugs before last sexual intercourse (among students who were currently sexually active)	NA	24.3	24.6	18.9	22.0	—	—	20.7	—
Used the following birth control methods during or before last sexual intercourse to prevent pregnancy, among students who were currently sexually active									
Birth control pills	NA	19.1	23.6	16.2	19.5	—	—	14.8	—
IUD (e.g., Mirena or ParaGard) or implant (e.g., Implanon or Nexplanon)	NA	3.9	5.5	6.3	11.5	Increased	—	9.7	—
Birth control pills; an IUD (e.g., Mirena or ParaGard) or implant (e.g., Implanon or Nexplanon); or a shot (e.g., Depo-Provera), patch (e.g., OrthoEvra), or birth control ring (e.g., NuvaRing)	NA	31.7	35.9	29.4	34.8	—	—	29.4	—
Both a condom and birth control pills; an IUD (e.g., Mirena or ParaGard) or implant (e.g., Implanon or Nexplanon); or a shot (e.g., Depo-Provera), patch (e.g., OrthoEvra), or birth control ring (e.g., NuvaRing)	NA	11.0	7.4	8.0	8.7	—	—	6.6	—
None	NA	15.4	13.1	19.7	14.5	—	—	16.0	—

table continues

Table C3. 2013–2019 Hawai‘i YRBS Public High School Hawai‘i County Results and Trends and 2019 State Results cont.

Survey Item	Hawai‘i County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Hawai‘i County vs. State
Weight and Nutrition									
Had obesity^f (≥ 95th percentile for body mass index, based on sex- and age-specific reference data from the 2000 CDC growth charts)	NA	13.4	15.3	16.7	13.8	—	—	16.4	—
Were overweight^f (≥ 85th percentile but < 95th percentile for body mass index, based on sex- and age-specific reference data from the 2000 CDC growth charts)	NA	15.3	15.1	13.6	14.0	—	—	14.4	—
Tried to lose weight or keep from gaining weight (by going without eating for 24 hours or more; taking any diet pills, powders, or liquids; vomiting or taking laxatives; smoking cigarettes; or skipping meals during the 30 days before the survey)	NA	NA	NA	24.2	22.0	NA	—	21.5	—
Ate fruit or drank 100% fruit juices two or more times per day (during the 7 days before the survey)	NA	28.3	25.4	22.8	23.1	Decreased	—	19.7	More Likely
Did not eat fruit or drink 100% fruit juices (during the 7 days before the survey)	NA	5.2	8.2	8.4	8.3	Increased	—	9.5	—
Did not eat fruit (during the 7 days before the survey)	NA	8.8	14.0	13.9	12.9	Increased	—	13.6	—
Did not drink 100% fruit juices (during the 7 days before the survey)	NA	34.2	32.9	36.9	42.0	Increased	Increased	43.9	—
Ate vegetables three or more times per day (during the 7 days before the survey)	NA	NA	NA	12.3	14.3	NA	—	13.0	—
Did not eat vegetables (during the 7 days before the survey)	NA	NA	NA	8.7	9.5	NA	—	10.0	—
Drank a can, bottle, or glass of soda or pop one or more times per day (not counting diet soda or diet pop during the 7 days before the survey)	NA	14.5	15.8	13.9	10.7	Decreased	Decreased	10.6	—

^f Beginning in 2017, new, slightly different ranges were used to calculate biologically implausible responses to height and weight questions.

table continues

Table C3. 2013–2019 Hawai‘i YRBS Public High School Hawai‘i County Results and Trends and 2019 State Results cont.

Survey Item	Hawai‘i County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Hawai‘i County vs. State
Weight and Nutrition cont.									
Did not drink a can, bottle, or glass of soda or pop (not counting diet soda or diet pop during the 7 days before the survey)	NA	28.7	31.9	34.2	35.8	Increased	—	38.8	—
Drank a can, bottle, pouch, or glass of a juice drink one or more times per day (such as fruit punch, Hawaiian Sun, Aloha Maid, Sunny Delight, or Tang not counting 100% fruit juice during the 7 days before the survey)	NA	NA	14.3	15.2	11.0	Decreased	—	10.7	—
Did not drink a can, bottle, pouch, or glass of a juice drink (such as fruit punch, Hawaiian Sun, Aloha Maid, Sunny Delight, or Tang not counting 100% fruit juice during the 7 days before the survey)	NA	NA	33.0	29.9	31.2	NA	—	35.9	Less Likely
Ate breakfast on all 7 days (during the 7 days before the survey)	NA	37.7	32.5	35.1	36.0	—	—	35.4	—
Did not eat breakfast (during the 7 days before the survey)	NA	9.1	13.5	14.1	15.6	Increased	—	16.0	—
Went hungry most of the time or always because there was not enough food in their home (during the 30 days before the survey)	NA	NA	7.4	7.0	5.9	—	—	6.6	—
Physical Activity									
Were physically active at least 60 minutes per day in the past 7 days (activity that increased their heart rate and made them breathe hard)									
0 days	NA	13.7	18.0	19.1	17.9	Increased	—	19.5	—
5 or more days	NA	45.4	38.5	39.6	37.2	Decreased	—	33.3	—
All 7 days	NA	24.8	22.1	20.4	21.8	—	—	17.1	More Likely
Did exercises to strengthen or tone their muscles on 3 or more days (such as push-ups, sit-ups, or weight lifting during the 7 days before the survey)	NA	50.4	45.5	44.4	44.6	Decreased	—	40.4	More Likely

table continues

Table C3. 2013–2019 Hawai‘i YRBS Public High School Hawai‘i County Results and Trends and 2019 State Results cont.

Survey Item	Hawai‘i County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Hawai‘i County vs. State
Physical Activity cont.									
Attended physical education (PE) classes on 1 or more days (in an average week when they were in school)	NA	48.9	46.1	49.4	48.4	—	—	42.7	More Likely
Attended physical education (PE) classes on all 5 days (in an average week when they were in school)	NA	6.9	7.2	4.6	5.5	—	—	8.5	Less Likely
Strongly agreed or agreed that the physical education (PE) classes they took offered a variety of physical activities (during the 12 months before the survey)	NA	NA	NA	NA	82.5	NA	NA	82.5	—
Were usually physically active at least half of the time during physical education (PE) classes (during the 12 months before the survey)	NA	NA	NA	NA	86.8	NA	NA	91.1	Less Likely
Reported that some of their classroom teachers provide short physical activity breaks during regular class time (not counting their physical education teacher)	NA	NA	NA	NA	30.4	NA	NA	28.3	—
Played on at least one sports team (run by their school or community groups during the 12 months before the survey)	NA	59.9	56.5	55.1	51.4	Decreased	—	49.9	—
Watched 3 or more hours per day of television (on an average school day)	NA	25.8	22.0	18.2	19.4	Decreased	—	17.1	—
Played video or computer games or used a computer 3 or more hours per day (for something that was not school work on an average school day)	NA	40.4	37.7	38.7	36.2	—	—	41.8	Less Likely
Rode their bike or walked to or from school on 1 or more days (in an average week when they were in school)	NA	NA	NA	NA	20.1	NA	NA	33.6	Less Likely

table continues

Table C3. 2013–2019 Hawai‘i YRBS Public High School Hawai‘i County Results and Trends and 2019 State Results cont.

Survey Item	Hawai‘i County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Hawai‘i County vs. State
Health									
Saw a doctor or nurse (for a check-up or physical exam when they were not sick or injured during the 12 months before the survey)	NA	60.5	59.4	58.5	62.0	—	—	64.0	—
Saw a dentist (for a check-up, exam, teeth cleaning, or other dental work during the 12 months before the survey)	NA	68.3	68.2	69.0	69.4	—	—	71.7	—
Never saw a dentist (for a check-up, exam, teeth cleaning, or other dental work)	NA	2.1	2.8	2.0	2.6	—	—	2.0	—
Missed school because of problems with their teeth or mouth (one or more times during the 12 months before the survey)	NA	NA	NA	NA	26.2	NA	NA	19.8	More Likely
Did not go to school because they were sick (one or more times during the 30 days before the survey)	NA	NA	NA	46.4	53.7	NA	Increased	46.7	More Likely
Had a concussion from playing a sport or being physically active (one or more times during the 12 months before the survey)	NA	NA	NA	NA	20.3	NA	NA	15.9	More Likely
Protective Factors									
Were ever taught in school about sexually transmitted diseases (STDs)	NA	NA	NA	NA	74.7	NA	NA	73.6	—
Were ever taught in school about the benefits of not having sexual intercourse to prevent pregnancy and sexually transmitted diseases (STDs)	NA	NA	NA	NA	74.8	NA	NA	71.7	—
Were ever taught in school about how to use birth control methods or where to get birth control	NA	NA	NA	NA	62.0	NA	NA	54.4	More Likely
Were ever taught in school about where they could get sexual health services (such as birth control, condoms, or HIV or other sexually transmitted diseases (STD) testing or treatment)	NA	NA	NA	NA	63.8	NA	NA	56.4	More Likely

table continues

Table C3. 2013–2019 Hawai‘i YRBS Public High School Hawai‘i County Results and Trends and 2019 State Results cont.

Survey Item	Hawai‘i County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Hawai‘i County vs. State
Protective Factors cont.									
Wore sunscreen most of the time or always (with an SPF of 15 or higher when they were outside for more than one hour on a sunny day)	NA	NA	NA	10.4	10.9	NA	—	12.4	—
Had 8 or more hours of sleep (on an average school night)	NA	36.2	27.8	26.6	25.7	Decreased	—	22.8	—
Talked with at least one of their parents or another adult in their family about the dangers of tobacco, alcohol, or drug use (during the 12 months before the survey)	NA	43.6	42.4	45.2	45.4	—	—	45.7	—
Had parents or other adults in their family talk with them about what they expected them to do or not to do when it came to sex	NA	NA	53.7	57.7	54.2	—	—	47.3	More Likely
Had at least one teacher or other adult in their school they could talk to if they had a problem	NA	67.9	63.0	65.9	62.0	—	—	60.8	—
Had an adult outside of school they could talk to about things that were important to them	NA	78.7	70.1	73.5	66.3	Decreased	Decreased	66.9	—
Described their grades in school as mostly A’s or B’s (during the 12 months before the survey)	NA	67.1	63.9	69.4	75.6	Increased	Increased	73.0	—
Thought they probably or definitely will complete a post high school program (such as a vocational training program, military service, community college, or 4-year college)	NA	75.5	68.9	64.5	67.5	Decreased	—	72.6	Less Likely

Table C4. 2011–2019 Hawai‘i Youth Risk Behavior Survey Public High School Honolulu County Results and Trends (2011 *n* = 1,362; 2013 *n* = 1,346; 2015 *n* = 1,949; 2017 *n* = 1,917 and 2019 *n* = 1,779) and 2019 State Results (*n* = 5,879)

Survey Item	Honolulu County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change ^a	2019 vs. 2017 ^b	State %	Honolulu County vs. State ^b
Socio-Demographics									
Females	50.8	50.2	49.7	50.5	48.1	NA ^c	— ^d	48.0	—
Males	49.2	49.8	50.3	49.5	51.9	NA	—	52.0	—
Gay, lesbian, or bisexual	7.4	6.9	8.8	11.5	10.1	NA	—	10.3	—
Transgender	NA	NA	NA	3.1	1.8	NA	—	1.7	—
Ethnicity/Race									
Filipino	26.5	28.4	28.4	28.1	27.7	NA	—	26.7	—
Hispanic/Latino	10.1	9.9	9.0	9.4	3.7	NA	Decreased	6.4	Less Likely
Native Hawaiian	21.0	20.0	20.1	20.4	21.7	NA	—	25.6	Less Likely
Other Asian/Pacific Islander	15.9	19.5	18.9	16.6	28.6	NA	—	21.0	More Likely
White	11.8	12.6	12.6	13.8	14.3	NA	—	14.8	—
All other races	1.9	1.2	0.8	1.1	0.3	NA	Decreased	0.4	—
Multiple races	12.8	8.4	10.2	10.6	3.7	NA	Decreased	5.1	Less Likely
Did not describe themselves as only one race or ethnicity	NA	20.4	17.6	18.1	12.9	Decreased	Decreased	15.3	Less Likely
Grade 9	29.3	28.7	28.9	28.3	28.6	NA	—	28.6	—
Grade 10	25.4	24.9	25.1	25.3	25.8	NA	—	26.0	—
Grade 11	23.7	23.2	22.8	23.7	23.9	NA	—	23.6	—
Grade 12	21.4	23.0	23.2	22.4	21.5	NA	—	21.6	—

^aBased on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, *p* < 0.05

^bBased on *t*-test analysis, *p* < 0.05

^cNot available

^dNo statistically significant difference, *p* < 0.05

table continues

Table C4. 2011–2019 Hawai‘i YRBS Public High School Honolulu County Results and Trends and 2019 State Results cont.

Survey Item	Honolulu County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Honolulu County vs. State
Socio-Demographics cont.									
Reported that either of their parents or other adults in their family were serving on active duty in the military	NA	NA	NA	21.4	26.2	NA	—	24.2	—
Did not usually sleep in their parent’s or guardian’s home (during the 30 days before the survey)	NA	NA	NA	9.0	7.8	NA	—	8.5	—
Injuries and Violence									
Rode in a car driven by someone, including themselves, who was “high” or had been using alcohol or drugs (during the 30 days before the survey)	NA	20.2	18.1	18.8	19.1	—	—	21.5	Less Likely
Were in a physical fight (one or more times during the 12 months before the survey)	20.9	17.1	14.4	15.6	16.5	Decreased	—	16.7	—
Did not go to school because they felt unsafe at school or on their way to or from school (on at least 1 day during the 30 days before the survey)	6.1	8.6	8.4	8.7	12.4	Increased	—	12.4	—
Were electronically bullied (counting being bullied through texting, Instagram, Facebook, or other social media during the 12 months before the survey)	14.7	15.8	13.9	14.0	12.2	—	—	13.1	—
Were bullied on school property (during the 12 months before the survey)	19.7	17.7	18.0	17.1	15.8	—	—	17.0	Less Likely
Strongly agreed or agreed that harassment and bullying by other students is a problem at their school	NA	NA	NA	36.0	39.7	NA	—	40.4	—
Were ever physically forced to have sexual intercourse (when they did not want to)	6.4	8.1	8.3	8.1	7.5	—	—	7.7	—

table continues

Table C4. 2011–2019 Hawai‘i YRBS Public High School Honolulu County Results and Trends and 2019 State Results cont.

Survey Item	Honolulu County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Honolulu County vs. State
Injuries and Violence cont.									
Experienced physical dating violence (counting being hit, slammed into something, or injured with an object or weapon on purpose by someone they were dating or going out with one or more times during the 12 months before the survey among students who dated or went out with someone)	NA	11.3	8.9	11.9	8.3	—	—	8.6	—
Experienced sexual dating violence (counting being kissed, touched, or physically forced to have sexual intercourse by someone they were dating or going out with one or more times during the past 12 months before the survey among students who dated or went out with someone)	NA	14.4	12.7	NA	7.9	NA	NA	7.7	—
Experienced sexual violence (counting being kissed, touched, or physically forced to have sexual intercourse by anyone one or more times during the past 12 months)	NA	NA	NA	11.0	10.4	NA	—	10.8	—
Mental Health and Suicide									
Purposely hurt themselves without wanting to die (such as cutting or burning themselves one or more times during the 12 months before the survey)	NA	20.6	22.6	18.3	18.5	—	—	19.7	Less Likely
Felt sad or hopeless (almost every day for 2 or more weeks in a row so that they stopped doing some usual activities during the 12 months before the survey)	30.2	30.3	29.0	28.6	34.3	—	Increased	34.7	—
Never or rarely got the kind of help they needed (among students who reported having felt sad, empty, hopeless, angry, or anxious)	NA	NA	NA	55.9	55.2	NA	—	55.5	—
Seriously considered attempting suicide (during the 12 months before the survey)	16.1	17.5	16.2	15.1	15.9	—	—	16.7	—

table continues

Table C4. 2011–2019 Hawai‘i YRBS Public High School Honolulu County Results and Trends and 2019 State Results cont.

Survey Item	Honolulu County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Honolulu County vs. State
Mental Health and Suicide cont.									
Made a plan about how they would attempt suicide (during the 12 months before the survey)	15.2	15.4	15.9	13.3	13.8	—	—	14.6	Less Likely
Attempted suicide (one or more times during the 12 months before the survey)	7.9	11.1	9.5	9.5	9.9	—	—	10.5	—
Suicide attempt resulted in an injury, poisoning, or overdose that had to be treated by a doctor or nurse (during the 12 months before the survey)	3.4	2.9	2.9	2.1	2.9	—	—	3.2	—
Tobacco Use									
Ever tried cigarette smoking (even one or two puffs)	36.2	NA	24.1	NA	16.0	NA	NA	17.8	Less Likely
First tried cigarette smoking before age 13 years (even one or two puffs)	NA	NA	NA	9.6	6.9	NA	Decreased	7.4	—
Currently smoked cigarettes (on at least 1 day during the 30 days before the survey)	9.7	10.1	9.2	6.8	4.9	Decreased	—	5.3	—
Currently smoked cigarettes frequently (on 20 or more days during the 30 days before the survey)	4.0	3.1	1.8	1.3	1.2	Decreased	—	1.2	—
Currently smoked cigarettes daily (on all 30 days during the 30 days before the survey)	2.2	2.4	1.1	1.0	1.0	Decreased	—	0.9	—
Ever used an electronic vapor product (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods)	NA	NA	43.2	NA	44.5	NA	NA	48.3	Less Likely
First tried using an electronic vapor product before age 13 years (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods)	NA	NA	NA	8.0	7.1	NA	—	8.8	Less Likely

table continues

Table C4. 2011–2019 Hawai‘i YRBS Public High School Honolulu County Results and Trends and 2019 State Results cont.

Survey Item	Honolulu County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Honolulu County vs. State
Tobacco Use cont.									
Currently used an electronic vapor product (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods on at least 1 day during the 30 days before the survey)	NA	NA	23.4	22.0	28.0	Increased	Increased	30.6	Less Likely
Currently used electronic vapor products frequently (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods on 20 or more days during the 30 days before the survey)	NA	NA	3.0	4.1	8.6	Increased	Increased	10.4	Less Likely
Currently used electronic vapor products daily (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods on all 30 days during the 30 days before the survey)	NA	NA	1.9	2.9	6.7	Increased	Increased	7.9	Less Likely
Usually got their own electronic vapor products by buying them in a store (during the 30 days before the survey among students who currently used electronic vapor products)	NA	NA	NA	NA	4.9	NA	NA	4.7	—
Currently smoked cigarettes or used electronic vapor products (on at least one day during the 30 days before the survey)	NA	NA	26.9	23.8	29.6	—	Increased	32.1	Less Likely
Alcohol and Other Drug Use									
Ever drank alcohol (other than a few sips)	53.6	49.3	47.0	45.9	40.1	NA	Decreased	44.9	Less Likely
Drank alcohol for the first time before age 13 years (other than a few sips)	17.5	16.3	15.0	15.4	13.1	Decreased	—	15.2	Less Likely
Currently drank alcohol (at least one drink of alcohol on at least 1 day during the 30 days before the survey)	26.8	22.6	23.5	21.0	17.3	Decreased	—	20.4	Less Likely
Usually got the alcohol they drank by someone giving it to them (during the 30 days before the survey among students who currently drank alcohol)	NA	NA	NA	NA	37.3	NA	NA	36.7	—

table continues

Table C4. 2011–2019 Hawai‘i YRBS Public High School Honolulu County Results and Trends and 2019 State Results cont.

Survey Item	Honolulu County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Honolulu County vs. State
Alcohol and Other Drug Use cont.									
Usually drank alcohol at their home or another person’s home (during the 30 days before the survey among students who currently drank alcohol)	NA	NA	NA	NA	75.2	NA	NA	73.0	—
Reported liquor as the type of alcohol they drank most often (during the 30 days before the survey among students who currently drank alcohol)	NA	NA	NA	NA	35.2	NA	NA	37.9	—
Were currently binge drinking (had four or more drinks of alcohol in a row for female students or five or more drinks of alcohol in a row for male students within a couple of hours on at least 1 day during the 30 days before the survey)	NA	NA	NA	10.6	8.9	NA	—	10.9	Less Likely
Thought parents would feel it was a little bit wrong, wrong, or very wrong for them to drink beer, wine, or hard liquor regularly	88.6	86.8	88.7	87.6	86.5	—	—	85.7	—
Attended school under the influence of alcohol, marijuana, or other drugs (during the 12 months before the survey)	NA	NA	16.3	14.8	18.3	—	—	19.6	Less Likely
Ever used marijuana	NA	NA	NA	27.5	24.9	NA	—	29.9	Less Likely
Tried marijuana for the first time before age 13 years	6.7	9.0	7.4	7.3	5.1	—	—	6.9	Less Likely
Currently used marijuana (one or more times during the 30 days before the survey)	19.1	16.5	18.1	15.8	14.0	—	—	17.2	Less Likely
Usually used marijuana by smoking it (in a joint, bong, pipe, or blunt during the 30 days before the survey among students who used marijuana)	NA	NA	NA	NA	42.5	NA	NA	54.4	Less Likely

table continues

Table C4. 2011–2019 Hawai‘i YRBS Public High School Honolulu County Results and Trends and 2019 State Results cont.

Survey Item	Honolulu County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Honolulu County vs. State
Alcohol and Other Drug Use cont.									
Ever used any of the following drugs one or more times during their life									
Any form of cocaine (such as powder, crack, or freebase)	5.4	6.3	5.1	6.6	5.1	—	—	5.8	Less Likely
Ecstasy (also called “MDMA”)	9.0	8.4	7.6	5.6	3.9	Decreased	—	4.5	Less Likely
Heroin (also called “smack,” “junk,” or “China White”)	NA	3.5	2.7	3.9	3.5	—	—	3.6	—
Methamphetamines (also called “speed,” “crystal,” “crank,” or “ice,” or “meth”)	2.3	4.2	3.1	4.3	4.4	—	—	4.5	—
Ever took prescription pain medicine without a doctor’s prescription or differently than how a doctor told them to use it (such as codeine, Vicodin, OxyContin, Hydrocodone, and Percocet one or more times during their life)	NA	NA	NA	11.3	13.5	NA	—	14.4	—
Currently took prescription pain medicine without a doctor’s prescription or differently than how a doctor told them to use it (such as codeine, Vicodin, OxyContin, Hydrocodone, and Percocet during the 30 days before the survey)	NA	NA	NA	NA	7.4	NA	NA	8.5	Less Likely
Ever used a needle to inject any illegal drug into their body (one or more times during their life)	NA	2.5	3.0	2.4	2.4	—	—	2.6	—
Sexual Behaviors									
Ever had sexual intercourse	35.4	34.2	29.9	25.6	24.0	NA	—	27.7	Less Likely
Had sexual intercourse for the first time before age 13 years	4.7	3.5	2.8	2.9	2.6	Decreased	—	2.9	—

table continues

Table C4. 2011–2019 Hawai‘i YRBS Public High School Honolulu County Results and Trends and 2019 State Results cont.

Survey Item	Honolulu County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Honolulu County vs. State
Sexual Behaviors cont.									
Had sexual intercourse with four or more persons (during their life)	7.2	6.6	6.0	4.7	3.4	Decreased	—	4.6	Less Likely
Were currently sexually active (had sexual intercourse with at least one person during the 3 months before the survey)	22.3	23.8	21.8	17.2	14.3	Decreased	—	17.6	Less Likely
Used a condom during last sexual intercourse (among students who were currently sexually active)	43.7	45.3	49.0	38.6	44.1	—	—	45.5	—
Drank alcohol or used drugs before last sexual intercourse (among students who were currently sexually active)	20.5	24.1	18.3	22.0	19.6	—	—	20.7	—
Used the following birth control methods during or before last sexual intercourse to prevent pregnancy, among students who were currently sexually active									
Birth control pills	11.7	11.1	14.8	15.4	10.5	—	—	14.8	Less Likely
IUD (e.g., Mirena or ParaGard) or implant (e.g., Implanon or Nexplanon)	NA	5.4	4.0	9.0	10.3	—	—	9.7	—
Birth control pills; an IUD (e.g., Mirena or ParaGard) or implant (e.g., Implanon or Nexplanon); or a shot (e.g., Depo-Provera), patch (e.g., OrthoEvra), or birth control ring (e.g., NuvaRing)	NA	22.3	24.3	30.2	25.6	—	—	29.4	Less Likely
Both a condom and birth control pills; an IUD (e.g., Mirena or ParaGard) or implant (e.g., Implanon or Nexplanon); or a shot (e.g., Depo-Provera), patch (e.g., OrthoEvra), or birth control ring (e.g., NuvaRing)	NA	6.0	6.4	4.5	5.7	—	—	6.6	—
None	20.2	15.5	12.0	15.7	16.3	—	—	16.0	—

table continues

Table C4. 2011–2019 Hawai‘i YRBS Public High School Honolulu County Results and Trends and 2019 State Results cont.

Survey Item	Honolulu County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Honolulu County vs. State
Weight and Nutrition									
Had obesity^e (≥ 95th percentile for body mass index, based on sex- and age-specific reference data from the 2000 CDC growth charts)	13.3	13.3	12.3	13.3	17.3	—	Increased	16.4	—
Were overweight^e (≥ 85th percentile but < 95th percentile for body mass index, based on sex- and age-specific reference data from the 2000 CDC growth charts)	12.5	14.3	15.5	14.0	14.6	—	—	14.4	—
Tried to lose weight or keep from gaining weight (by going without eating for 24 hours or more; taking any diet pills, powders, or liquids; vomiting or taking laxatives; smoking cigarettes; or skipping meals during the 30 days before the survey)	NA	NA	NA	20.3	21.2	NA	—	21.5	—
Ate fruit or drank 100% fruit juices two or more times per day (during the 7 days before the survey)	25.0	26.7	22.2	20.2	18.9	Decreased	—	19.7	—
Did not eat fruit or drink 100% fruit juices (during the 7 days before the survey)	6.2	5.5	8.2	7.2	10.0	Increased	Increased	9.5	—
Did not eat fruit (during the 7 days before the survey)	11.8	8.7	14.0	13.0	14.1	Increased	—	13.6	—
Did not drink 100% fruit juices (during the 7 days before the survey)	27.6	29.9	34.4	35.4	44.8	Increased	Increased	43.9	—
Ate vegetables three or more times per day (during the 7 days before the survey)	NA	NA	NA	11.6	12.7	NA	—	13.0	—
Did not eat vegetables (during the 7 days before the survey)	NA	NA	NA	8.0	10.6	NA	—	10.0	—
Drank a can, bottle, or glass of soda or pop one or more times per day (not counting diet soda or diet pop during the 7 days before the survey)	16.9	16.7	13.5	10.4	10.7	Decreased	—	10.6	—

^e Beginning in 2017, new, slightly different ranges were used to calculate biologically implausible responses to height and weight questions.

table continues

Table C4. 2011–2019 Hawai‘i YRBS Public High School Honolulu County Results and Trends and 2019 State Results cont.

Survey Item	Honolulu County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Honolulu County vs. State
Weight and Nutrition cont.									
Did not drink a can, bottle, or glass of soda or pop (not counting diet soda or diet pop during the 7 days before the survey)	23.3	29.7	33.8	38.3	39.7	Increased	—	38.8	—
Drank a can, bottle, pouch, or glass of a juice drink one or more times per day (such as fruit punch, Hawaiian Sun, Aloha Maid, Sunny Delight, or Tang not counting 100% fruit juice during the 7 days before the survey)	NA	NA	12.3	9.0	10.3	—	—	10.7	—
Did not drink a can, bottle, pouch, or glass of a juice drink (such as fruit punch, Hawaiian Sun, Aloha Maid, Sunny Delight, or Tang not counting 100% fruit juice during the 7 days before the survey)	NA	NA	32.0	35.5	37.3	NA	—	35.9	More Likely
Ate breakfast on all 7 days (during the 7 days before the survey)	NA	38.2	36.9	36.6	35.5	—	—	35.4	—
Did not eat breakfast (during the 7 days before the survey)	NA	10.5	11.4	14.3	16.0	Increased	—	16.0	—
Went hungry most of the time or always because there was not enough food in their home (during the 30 days before the survey)	NA	NA	8.1	6.0	6.7	—	—	6.6	—
Physical Activity									
Were physically active at least 60 minutes per day in the past 7 days (activity that increased their heart rate and made them breathe hard)									
0 days	19.6	19.1	18.8	19.3	21.0	—	—	19.5	More Likely
5 or more days	36.8	38.3	38.0	36.0	31.0	Decreased	Decreased	33.3	Less Likely
All 7 days	20.1	20.8	20.0	19.4	15.5	Decreased	Decreased	17.1	Less Likely
Did exercises to strengthen or tone their muscles on 3 or more days (such as push-ups, sit-ups, or weight lifting during the 7 days before the survey)	NA	44.3	46.0	42.2	38.4	Decreased	—	40.4	Less Likely

table continues

Table C4. 2011–2019 Hawai‘i YRBS Public High School Honolulu County Results and Trends and 2019 State Results cont.

Survey Item	Honolulu County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Honolulu County vs. State
Physical Activity cont.									
Attended physical education (PE) classes on 1 or more days (in an average week when they were in school)	39.7	35.9	41.0	36.2	41.7	—	—	42.7	—
Attended physical education (PE) classes on all 5 days (in an average week when they were in school)	6.4	7.3	6.1	5.5	9.4	—	—	8.5	—
Strongly agreed or agreed that the physical education (PE) classes they took offered a variety of physical activities (during the 12 months before the survey)	NA	NA	NA	NA	83.4	NA	NA	82.5	—
Were usually physically active at least half of the time during physical education (PE) classes (during the 12 months before the survey)	NA	NA	NA	NA	92.1	NA	NA	91.1	—
Reported that some of their classroom teachers provide short physical activity breaks during regular class time (not counting their physical education teacher)	NA	NA	NA	NA	28.5	NA	NA	28.3	—
Played on at least one sports team (run by their school or community groups during the 12 months before the survey)	53.9	50.1	51.1	49.1	48.7	Decreased	—	49.9	—
Watched 3 or more hours per day of television (on an average school day)	33.0	30.3	21.6	18.2	16.8	Decreased	—	17.1	—
Played video or computer games or used a computer 3 or more hours per day (for something that was not school work on an average school day)	39.6	43.5	41.9	40.8	42.6	—	—	41.8	—
Rode their bike or walked to or from school on 1 or more days (in an average week when they were in school)	NA	NA	NA	NA	38.6	NA	NA	33.6	More Likely

table continues

Table C4. 2011–2019 Hawai‘i YRBS Public High School Honolulu County Results and Trends and 2019 State Results cont.

Survey Item	Honolulu County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Honolulu County vs. State
Health									
Saw a doctor or nurse (for a check-up or physical exam when they were not sick or injured during the 12 months before the survey)	NA	62.8	63.9	68.0	64.3	—	—	64.0	—
Saw a dentist (for a check-up, exam, teeth cleaning, or other dental work during the 12 months before the survey)	NA	71.6	72.5	76.5	72.6	—	—	71.7	—
Never saw a dentist (for a check-up, exam, teeth cleaning, or other dental work)	NA	1.5	2.2	1.4	1.8	—	—	2.0	—
Missed school because of problems with their teeth or mouth (one or more times during the 12 months before the survey)	NA	NA	NA	NA	18.6	NA	NA	19.8	Less Likely
Did not go to school because they were sick (one or more times during the 30 days before the survey)	NA	NA	NA	42.9	44.1	NA	—	46.7	Less Likely
Had a concussion from playing a sport or being physically active (one or more times during the 12 months before the survey)	NA	NA	NA	NA	14.9	NA	NA	15.9	Less Likely
Protective Factors									
Were ever taught in school about sexually transmitted diseases (STDs)	NA	NA	NA	NA	70.8	NA	NA	73.6	Less Likely
Were ever taught in school about the benefits of not having sexual intercourse to prevent pregnancy and sexually transmitted diseases (STDs)	NA	NA	NA	NA	68.9	NA	NA	71.7	Less Likely
Were ever taught in school about how to use birth control methods or where to get birth control	NA	NA	NA	NA	50.3	NA	NA	54.4	Less Likely
Were ever taught in school about where they could get sexual health services (such as birth control, condoms, or HIV or other sexually transmitted diseases (STD) testing or treatment)	NA	NA	NA	NA	51.9	NA	NA	56.4	Less Likely

table continues

Table C4. 2011–2019 Hawai‘i YRBS Public High School Honolulu County Results and Trends and 2019 State Results cont.

Survey Item	Honolulu County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Honolulu County vs. State
Protective Factors cont.									
Wore sunscreen most of the time or always (with an SPF of 15 or higher when they were outside for more than one hour on a sunny day)	NA	NA	NA	12.0	13.3	NA	—	12.4	More Likely
Had 8 or more hours of sleep (on an average school night)	NA	23.6	24.2	22.2	21.9	—	—	22.8	—
Talked with at least one of their parents or another adult in their family about the dangers of tobacco, alcohol, or drug use (during the 12 months before the survey)	44.2	37.2	37.6	43.4	45.9	Increased	—	45.7	—
Had parents or other adults in their family talk with them about what they expected them to do or not to do when it came to sex	NA	NA	46.8	51.2	45.1	—	Decreased	47.3	Less Likely
Had at least one teacher or other adult in their school they could talk to if they had a problem	66.7	69.6	64.6	61.0	60.5	Decreased	—	60.8	—
Had an adult outside of school they could talk to about things that were important to them	77.2	76.4	74.0	71.6	67.0	Decreased	—	66.9	—
Described their grades in school as mostly A’s or B’s (during the 12 months before the survey)	60.7	65.5	66.5	70.9	71.9	Increased	—	73.0	—
Thought they probably or definitely will complete a post high school program (such as a vocational training program, military service, community college, or 4-year college)	81.5	77.3	75.6	69.2	73.8	Decreased	—	72.6	—

Table C5. 2010–2019 Hawai‘i Youth Risk Behavior Survey Public High School Kaua‘i County Results and Trends (2010 *n* = 982; 2013 *n* = 899; 2015 *n* = 1,133; 2017 *n* = 1,205; and 2019 *n* = 1,221) and 2019 State Results (*n* = 5,879)

Survey Item	Kaua‘i County							2019	
	2010 %	2013 %	2015 %	2017 %	2019 %	Linear Change ^a	2019 vs. 2017 ^b	State %	Kaua‘i County vs. State ^b
Socio-Demographics									
Females	49.7	51.5	51.2	49.7	47.8	NA ^c	— ^d	48.0	—
Males	50.3	48.5	48.8	50.3	52.2	NA	—	52.0	—
Gay, lesbian, or bisexual	7.0	5.0	8.3	8.6	8.6	NA	—	10.3	—
Transgender	NA	NA	NA	2.8	1.5	NA	—	1.7	—
Ethnicity/Race									
Filipino	30.4	32.6	31.2	29.9	28.7	NA	—	26.7	—
Hispanic/Latino	8.3	8.9	9.0	9.9	16.0	NA	Increased	6.4	More Likely
Native Hawaiian	27.6	27.0	27.0	27.2	31.9	NA	Increased	25.6	More Likely
Other Asian/Pacific Islander	5.8	3.9	3.7	3.5	5.1	NA	Increased	21.0	Less Likely
White	18.5	20.0	20.7	22.0	7.0	NA	Decreased	14.8	Less Likely
All other races	0.4	0.3	0.6	0.5	0.9	NA	—	0.4	More Likely
Multiple races	8.9	7.4	7.8	7.1	10.3	NA	Increased	5.1	More Likely
Did not describe themselves as only one race or ethnicity	NA	23.7	21.3	22.4	22.5	—	—	15.3	More Likely
Grade 9	27.4	28.5	26.7	25.5	26.4	NA	—	28.6	—
Grade 10	25.6	25.4	25.7	25.9	26.7	NA	—	26.0	—
Grade 11	22.7	22.4	23.6	25.0	23.4	NA	—	23.6	—
Grade 12	24.0	23.4	23.5	23.2	23.0	NA	—	21.6	—

^aBased on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, *p* < 0.05

^bBased on *t*-test analysis, *p* < 0.05

^cNot available

^dNo statistically significant difference, *p* < 0.05

table continues

Table C5. 2010–2019 Hawai‘i YRBS Public High School Kaua‘i County Results and Trends and 2019 State Results cont.

Survey Item	Kaua‘i County							2019	
	2010 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Kaua‘i County vs. State
Socio-Demographics cont.									
Reported that either of their parents or other adults in their family were serving on active duty in the military	NA	NA	NA	14.8	20.0	NA	Increased	24.2	—
Did not usually sleep in their parent’s or guardian’s home (during the 30 days before the survey)	NA	NA	NA	11.0	9.1	NA	—	8.5	—
Injuries and Violence									
Rode in a car driven by someone, including themselves, who was “high” or had been using alcohol or drugs (during the 30 days before the survey)	NA	29.8	24.6	24.5	27.8	—	—	21.5	More Likely
Were in a physical fight (one or more times during the 12 months before the survey)	22.4	15.3	16.4	16.3	15.9	Decreased	—	16.7	—
Did not go to school because they felt unsafe at school or on their way to or from school (on at least 1 day during the 30 days before the survey)	7.6	7.3	9.9	9.9	11.8	Increased	—	12.4	—
Were electronically bullied (counting being bullied through texting, Instagram, Facebook, or other social media during the 12 months before the survey)	16.1	10.4	16.4	16.1	14.5	—	—	13.1	—
Were bullied on school property (during the 12 months before the survey)	20.0	18.0	20.9	19.9	19.2	—	—	17.0	—
Strongly agreed or agreed that harassment and bullying by other students is a problem at their school	NA	NA	NA	47.0	40.7	NA	Decreased	40.4	—
Were ever physically forced to have sexual intercourse (when they did not want to)	8.2	10.0	8.4	10.5	7.7	—	Decreased	7.7	—

table continues

Table C5. 2010–2019 Hawai‘i YRBS Public High School Kaua‘i County Results and Trends and 2019 State Results cont.

Survey Item	Kaua‘i County							2019	
	2010 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Kaua‘i County vs. State
Injuries and Violence cont.									
Experienced physical dating violence (counting being hit, slammed into something, or injured with an object or weapon on purpose by someone they were dating or going out with one or more times during the 12 months before the survey among students who dated or went out with someone)	NA	10.4	11.5	8.6	9.7	—	—	8.6	—
Experienced sexual dating violence (counting being kissed, touched, or physically forced to have sexual intercourse by someone they were dating or going out with one or more times during the past 12 months before the survey among students who dated or went out with someone)	NA	11.6	13.5	NA	6.6	NA	NA	7.7	—
Experienced sexual violence (counting being kissed, touched, or physically forced to have sexual intercourse by anyone one or more times during the past 12 months)	NA	NA	NA	13.5	11.1	NA	—	10.8	—
Mental Health and Suicide									
Purposely hurt themselves without wanting to die (such as cutting or burning themselves one or more times during the 12 months before the survey)	NA	20.5	20.8	16.4	20.6	—	Increased	19.7	—
Felt sad or hopeless (almost every day for 2 or more weeks in a row so that they stopped doing some usual activities during the 12 months before the survey)	24.4	30.1	29.2	28.0	33.1	Increased	Increased	34.7	—
Never or rarely got the kind of help they needed (among students who reported having felt sad, empty, hopeless, angry, or anxious)	NA	NA	NA	52.6	54.5	NA	—	55.5	—
Seriously considered attempting suicide (during the 12 months before the survey)	14.1	14.6	14.6	14.2	16.8	—	—	16.7	—

table continues

Table C5. 2010–2019 Hawai‘i YRBS Public High School Kaua‘i County Results and Trends and 2019 State Results cont.

Survey Item	Kaua‘i County							2019	
	2010 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Kaua‘i County vs. State
Mental Health and Suicide cont.									
Made a plan about how they would attempt suicide (during the 12 months before the survey)	12.6	15.3	13.9	12.9	14.9	—	—	14.6	—
Attempted suicide (one or more times during the 12 months before the survey)	9.0	9.6	11.4	9.1	10.9	—	—	10.5	—
Suicide attempt resulted in an injury, poisoning, or overdose that had to be treated by a doctor or nurse (during the 12 months before the survey)	3.8	2.8	4.5	3.4	3.0	—	—	3.2	—
Tobacco Use									
Ever tried cigarette smoking (even one or two puffs)	34.9	NA	25.8	NA	21.7	NA	NA	17.8	More Likely
First tried cigarette smoking before age 13 years (even one or two puffs)	NA	NA	NA	10.9	9.4	NA	—	7.4	—
Currently smoked cigarettes (on at least 1 day during the 30 days before the survey)	8.4	11.3	10.3	11.9	5.7	Decreased	Decreased	5.3	—
Currently smoked cigarettes frequently (on 20 or more days during the 30 days before the survey)	3.5	2.4	2.0	3.1	1.2	Decreased	Decreased	1.2	—
Currently smoked cigarettes daily (on all 30 days during the 30 days before the survey)	2.4	1.4	1.3	2.1	0.7	Decreased	Decreased	0.9	—
Ever used an electronic vapor product (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods)	NA	NA	45.1	NA	51.6	NA	NA	48.3	—
First tried using an electronic vapor product before age 13 years (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods)	NA	NA	NA	11.2	10.3	NA	—	8.8	—

table continues

Table C5. 2010–2019 Hawai‘i YRBS Public High School Kaua‘i County Results and Trends and 2019 State Results cont.

Survey Item	Kaua‘i County							2019	
	2010 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Kaua‘i County vs. State
Tobacco Use cont.									
Currently used an electronic vapor product (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods on at least 1 day during the 30 days before the survey)	NA	NA	18.1	31.3	35.9	Increased	Increased	30.6	More Likely
Currently used electronic vapor products frequently (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods on 20 or more days during the 30 days before the survey)	NA	NA	2.0	5.2	15.1	Increased	Increased	10.4	More Likely
Currently used electronic vapor products daily (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods on all 30 days during the 30 days before the survey)	NA	NA	1.1	3.4	11.8	Increased	Increased	7.9	More Likely
Usually got their own electronic vapor products by buying them in a store (during the 30 days before the survey among students who currently used electronic vapor products)	NA	NA	NA	NA	2.5	NA	NA	4.7	—
Currently smoked cigarettes or used electronic vapor products (on at least one day during the 30 days before the survey)	NA	NA	22.7	33.8	36.8	Increased	—	32.1	More Likely
Alcohol and Other Drug Use									
Ever drank alcohol (other than a few sips)	53.0	57.0	48.3	51.4	50.1	NA	—	44.9	More Likely
Drank alcohol for the first time before age 13 years (other than a few sips)	20.9	18.1	19.2	17.8	17.4	Decreased	—	15.2	—
Currently drank alcohol (at least one drink of alcohol on at least 1 day during the 30 days before the survey)	29.7	26.4	25.6	30.1	24.3	Decreased	Decreased	20.4	More Likely
Usually got the alcohol they drank by someone giving it to them (during the 30 days before the survey among students who currently drank alcohol)	NA	NA	NA	NA	31.9	NA	NA	36.7	—

table continues

Table C5. 2010–2019 Hawai‘i YRBS Public High School Kaua‘i County Results and Trends and 2019 State Results cont.

Survey Item	Kaua‘i County							2019	
	2010 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Kaua‘i County vs. State
Alcohol and Other Drug Use cont.									
Usually drank alcohol at their home or another person’s home (during the 30 days before the survey among students who currently drank alcohol)	NA	NA	NA	NA	60.4	NA	NA	73.0	Less Likely
Reported liquor as the type of alcohol they drank most often (during the 30 days before the survey among students who currently drank alcohol)	NA	NA	NA	NA	37.0	NA	NA	37.9	—
Were currently binge drinking (had four or more drinks of alcohol in a row for female students or five or more drinks of alcohol in a row for male students within a couple of hours on at least 1 day during the 30 days before the survey)	NA	NA	NA	18.0	14.1	NA	—	10.9	More Likely
Thought parents would feel it was a little bit wrong, wrong, or very wrong for them to drink beer, wine, or hard liquor regularly	88.7	86.4	88.9	88.0	84.8	—	—	85.7	—
Attended school under the influence of alcohol, marijuana, or other drugs (during the 12 months before the survey)	NA	NA	15.6	18.3	20.7	Increased	—	19.6	—
Ever used marijuana	40.8	36.0	36.3	34.2	35.4	NA	—	29.9	More Likely
Tried marijuana for the first time before age 13 years	16.4	12.5	12.6	9.8	9.2	Decreased	—	6.9	More Likely
Currently used marijuana (one or more times during the 30 days before the survey)	23.4	22.7	21.3	20.9	21.5	—	—	17.2	More Likely
Usually used marijuana by smoking it (in a joint, bong, pipe, or blunt during the 30 days before the survey among students who used marijuana)	NA	NA	NA	NA	55.8	NA	NA	54.4	—

table continues

Table C5. 2010–2019 Hawai‘i YRBS Public High School Kaua‘i County Results and Trends and 2019 State Results cont.

Survey Item	Kaua‘i County							2019	
	2010 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Kaua‘i County vs. State
Alcohol and Other Drug Use cont.									
Ever used any of the following drugs one or more times during their life									
Any form of cocaine (such as powder, crack, or freebase)	8.2	7.1	7.4	8.5	7.6	—	—	5.8	—
Ecstasy (also called “MDMA”)	9.2	5.6	8.5	6.1	5.2	Decreased	—	4.5	—
Heroin (also called “smack,” “junk,” or “China White”)	NA	2.3	4.9	5.0	3.8	—	—	3.6	—
Methamphetamines (also called “speed,” “crystal,” “crank,” or “ice,” or “meth”)	5.2	3.2	5.2	5.4	5.3	—	—	4.5	—
Ever took prescription pain medicine without a doctor’s prescription or differently than how a doctor told them to use it (such as codeine, Vicodin, OxyContin, Hydrocodone, and Percocet one or more times during their life)	NA	NA	NA	11.7	13.6	NA	—	14.4	—
Currently took prescription pain medicine without a doctor’s prescription or differently than how a doctor told them to use it (such as codeine, Vicodin, OxyContin, Hydrocodone, and Percocet during the 30 days before the survey)	NA	NA	NA	NA	9.0	NA	NA	8.5	—
Ever used a needle to inject any illegal drug into their body (one or more times during their life)	NA	2.0	3.5	4.6	2.7	—	Decreased	2.6	—
Sexual Behaviors									
Ever had sexual intercourse	36.8	36.8	32.0	33.5	32.6	NA	—	27.7	More Likely
Had sexual intercourse for the first time before age 13 years	3.5	4.9	4.7	4.5	3.7	—	—	2.9	—

table continues

Table C5. 2010–2019 Hawai‘i YRBS Public High School Kaua‘i County Results and Trends and 2019 State Results cont.

Survey Item	Kaua‘i County							2019	
	2010 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Kaua‘i County vs. State
Sexual Behaviors cont.									
Had sexual intercourse with four or more persons (during their life)	8.3	9.6	6.5	6.7	7.5	Decreased	—	4.6	More Likely
Were currently sexually active (had sexual intercourse with at least one person during the 3 months before the survey)	25.6	24.2	21.3	24.1	24.3	—	—	17.6	More Likely
Used a condom during last sexual intercourse (among students who were currently sexually active)	46.2	45.6	51.0	53.7	46.7	—	—	45.5	—
Drank alcohol or used drugs before last sexual intercourse (among students who were currently sexually active)	22.0	24.6	19.3	30.5	23.7	—	—	20.7	—
Used the following birth control methods during or before last sexual intercourse to prevent pregnancy, among students who were currently sexually active									
Birth control pills	20.9	21.1	18.5	23.0	16.6	—	—	14.8	—
IUD (e.g., Mirena or ParaGard) or implant (e.g., Implanon or Nexplanon)	NA	2.2	6.2	3.2	7.6	Increased	Increased	9.7	—
Birth control pills; an IUD (e.g., Mirena or ParaGard) or implant (e.g., Implanon or Nexplanon); or a shot (e.g., Depo-Provera), patch (e.g., OrthoEvra), or birth control ring (e.g., NuvaRing)	NA	29.0	27.4	32.6	29.5	—	—	29.4	—
Both a condom and birth control pills; an IUD (e.g., Mirena or ParaGard) or implant (e.g., Implanon or Nexplanon); or a shot (e.g., Depo-Provera), patch (e.g., OrthoEvra), or birth control ring (e.g., NuvaRing)	NA	8.9	9.8	10.7	8.7	—	—	6.6	—
None	16.4	16.7	17.0	17.1	16.5	—	—	16.0	—

table continues

Table C5. 2010–2019 Hawai‘i YRBS Public High School Kaua‘i County Results and Trends and 2019 State Results cont.

Survey Item	Kaua‘i County							2019	
	2010 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Kaua‘i County vs. State
Weight and Nutrition									
Had obesity^e (≥ 95th percentile for body mass index, based on sex- and age-specific reference data from the 2000 CDC growth charts)	12.4	14.4	13.6	14.8	16.4	Increased	—	16.4	—
Were overweight^e (≥ 85th percentile but < 95th percentile for body mass index, based on sex- and age-specific reference data from the 2000 CDC growth charts)	11.9	15.8	14.3	16.0	15.0	—	—	14.4	—
Tried to lose weight or keep from gaining weight (by going without eating for 24 hours or more; taking any diet pills, powders, or liquids; vomiting or taking laxatives; smoking cigarettes; or skipping meals during the 30 days before the survey)	NA	NA	NA	20.8	22.3	NA	—	21.5	—
Ate fruit or drank 100% fruit juices two or more times per day (during the 7 days before the survey)	27.3	24.9	21.9	22.8	20.4	Decreased	—	19.7	—
Did not eat fruit or drink 100% fruit juices (during the 7 days before the survey)	5.0	6.5	6.8	8.9	10.5	Increased	—	9.5	—
Did not eat fruit (during the 7 days before the survey)	9.8	10.6	14.2	14.3	14.6	Increased	—	13.6	—
Did not drink 100% fruit juices (during the 7 days before the survey)	24.4	32.3	28.9	36.7	42.5	Increased	Increased	43.9	—
Ate vegetables three or more times per day (during the 7 days before the survey)	NA	NA	NA	12.6	11.8	NA	—	13.0	—
Did not eat vegetables (during the 7 days before the survey)	NA	NA	NA	10.1	9.3	NA	—	10.0	—
Drank a can, bottle, or glass of soda or pop one or more times per day (not counting diet soda or diet pop during the 7 days before the survey)	18.2	13.7	12.8	10.3	12.3	Decreased	—	10.6	—

^e Beginning in 2017, new, slightly different ranges were used to calculate biologically implausible responses to height and weight questions.

table continues

Table C5. 2010–2019 Hawai‘i YRBS Public High School Kaua‘i County Results and Trends and 2019 State Results cont.

Survey Item	Kaua‘i County							2019	
	2010 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Kaua‘i County vs. State
Weight and Nutrition cont.									
Did not drink a can, bottle, or glass of soda or pop (not counting diet soda or diet pop during the 7 days before the survey)	23.5	35.1	37.8	35.6	37.6	Increased	—	38.8	—
Drank a can, bottle, pouch, or glass of a juice drink one or more times per day (such as fruit punch, Hawaiian Sun, Aloha Maid, Sunny Delight, or Tang not counting 100% fruit juice during the 7 days before the survey)	NA	NA	11.4	10.8	13.6	—	—	10.7	More Likely
Did not drink a can, bottle, pouch, or glass of a juice drink (such as fruit punch, Hawaiian Sun, Aloha Maid, Sunny Delight, or Tang not counting 100% fruit juice during the 7 days before the survey)	NA	NA	31.6	34.6	34.0	NA	—	35.9	—
Ate breakfast on all 7 days (during the 7 days before the survey)	NA	39.3	32.7	32.6	31.9	Decreased	—	35.4	—
Did not eat breakfast (during the 7 days before the survey)	NA	8.5	13.4	15.0	17.9	Increased	—	16.0	—
Went hungry most of the time or always because there was not enough food in their home (during the 30 days before the survey)	NA	NA	5.9	8.0	7.7	—	—	6.6	—
Physical Activity									
Were physically active at least 60 minutes per day in the past 7 days (activity that increased their heart rate and made them breathe hard)									
0 days	17.5	17.5	18.9	17.7	18.1	—	—	19.5	—
5 or more days	40.6	39.3	35.1	39.3	38.6	—	—	33.3	More Likely
All 7 days	24.3	20.5	19.5	22.0	20.0	—	—	17.1	More Likely
Did exercises to strengthen or tone their muscles on 3 or more days (such as push-ups, sit-ups, or weight lifting during the 7 days before the survey)	NA	46.6	43.3	40.8	43.3	—	—	40.4	—

table continues

Table C5. 2010–2019 Hawai‘i YRBS Public High School Kaua‘i County Results and Trends and 2019 State Results cont.

Survey Item	Kaua‘i County							2019	
	2010 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Kaua‘i County vs. State
Physical Activity cont.									
Attended physical education (PE) classes on 1 or more days (in an average week when they were in school)	36.7	35.8	34.2	38.5	34.5	—	—	42.7	Less Likely
Attended physical education (PE) classes on all 5 days (in an average week when they were in school)	11.6	3.6	10.3	9.3	8.5	—	—	8.5	—
Strongly agreed or agreed that the physical education (PE) classes they took offered a variety of physical activities (during the 12 months before the survey)	NA	NA	NA	NA	83.3	NA	NA	82.5	—
Were usually physically active at least half of the time during physical education (PE) classes (during the 12 months before the survey)	NA	NA	NA	NA	90.6	NA	NA	91.1	—
Reported that some of their classroom teachers provide short physical activity breaks during regular class time (not counting their physical education teacher)	NA	NA	NA	NA	28.9	NA	NA	28.3	—
Played on at least one sports team (run by their school or community groups during the 12 months before the survey)	58.5	53.5	57.6	54.8	54.9	—	—	49.9	More Likely
Watched 3 or more hours per day of television (on an average school day)	25.8	27.9	23.0	19.0	14.8	Decreased	Decreased	17.1	—
Played video or computer games or used a computer 3 or more hours per day (for something that was not school work on an average school day)	27.3	39.4	37.6	36.5	38.0	Increased	—	41.8	—
Rode their bike or walked to or from school on 1 or more days (in an average week when they were in school)	NA	NA	NA	NA	16.5	NA	NA	33.6	Less Likely

table continues

Table C5. 2010–2019 Hawai‘i YRBS Public High School Kaua‘i County Results and Trends and 2019 State Results cont.

Survey Item	Kaua‘i County							2019	
	2010 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Kaua‘i County vs. State
Health									
Saw a doctor or nurse (for a check-up or physical exam when they were not sick or injured during the 12 months before the survey)	NA	56.8	52.6	60.9	58.5	—	—	64.0	Less Likely
Saw a dentist (for a check-up, exam, teeth cleaning, or other dental work during the 12 months before the survey)	NA	64.1	67.7	70.6	68.3	Increased	—	71.7	—
Never saw a dentist (for a check-up, exam, teeth cleaning, or other dental work)	NA	3.0	2.4	3.0	2.4	—	—	2.0	—
Missed school because of problems with their teeth or mouth (one or more times during the 12 months before the survey)	NA	NA	NA	NA	19.6	NA	NA	19.8	—
Did not go to school because they were sick (one or more times during the 30 days before the survey)	NA	NA	NA	41.1	52.2	NA	Increased	46.7	More Likely
Had a concussion from playing a sport or being physically active (one or more times during the 12 months before the survey)	NA	NA	NA	NA	16.8	NA	NA	15.9	—
Protective Factors									
Were ever taught in school about sexually transmitted diseases (STDs)	NA	NA	NA	NA	79.9	NA	NA	73.6	More Likely
Were ever taught in school about the benefits of not having sexual intercourse to prevent pregnancy and sexually transmitted diseases (STDs)	NA	NA	NA	NA	76.8	NA	NA	71.7	More Likely
Were ever taught in school about how to use birth control methods or where to get birth control	NA	NA	NA	NA	53.3	NA	NA	54.4	—
Were ever taught in school about where they could get sexual health services (such as birth control, condoms, or HIV or other sexually transmitted diseases (STD) testing or treatment)	NA	NA	NA	NA	62.2	NA	NA	56.4	More Likely

table continues

Table C5. 2010–2019 Hawai‘i YRBS Public High School Kaua‘i County Results and Trends and 2019 State Results cont.

Survey Item	Kaua‘i County							2019	
	2010 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Kaua‘i County vs. State
Protective Factors cont.									
Wore sunscreen most of the time or always (with an SPF of 15 or higher when they were outside for more than one hour on a sunny day)	NA	NA	NA	13.0	10.4	NA	—	12.4	—
Had 8 or more hours of sleep (on an average school night)	NA	28.9	26.3	23.8	26.0	—	—	22.8	—
Talked with at least one of their parents or another adult in their family about the dangers of tobacco, alcohol, or drug use (during the 12 months before the survey)	47.5	37.8	40.6	45.7	47.1	—	—	45.7	—
Had parents or other adults in their family talk with them about what they expected them to do or not to do when it came to sex	NA	NA	49.2	52.5	49.8	—	—	47.3	—
Had at least one teacher or other adult in their school they could talk to if they had a problem	63.2	63.2	59.3	63.3	63.4	—	—	60.8	—
Had an adult outside of school they could talk to about things that were important to them	79.6	75.8	71.8	71.4	67.6	Decreased	—	66.9	—
Described their grades in school as mostly A’s or B’s (during the 12 months before the survey)	68.2	66.3	73.9	75.9	80.7	Increased	Increased	73.0	More Likely
Thought they probably or definitely will complete a post high school program (such as a vocational training program, military service, community college, or 4-year college)	78.6	74.1	70.0	68.2	73.0	Decreased	—	72.6	—

Table C6. 2010–2019 Hawai'i Youth Risk Behavior Survey Public High School Maui County Results and Trends (2010 *n* = 1,255; 2013 *n* = 1,224; 2015 *n* = 1,620; and 2017 *n* = 1,392; and 2019 *n* = 1,583) and 2019 State Results (*n* = 5,879)

Survey Item	Maui County							2019	
	2010 %	2013 %	2015 %	2017 %	2019 %	Linear Change ^a	2019 vs. 2017 ^b	State %	Maui County vs. State ^b
Socio-Demographics									
Females	51.5	51.8	51.4	50.7	48.5	NA ^c	— ^d	48.0	—
Males	48.5	48.2	48.6	49.3	51.5	NA	—	52.0	—
Gay, lesbian, or bisexual	5.7	4.8	6.4	10.0	10.7	NA	—	10.3	—
Transgender	NA	NA	NA	3.3	1.1	NA	Decreased	1.7	—
Ethnicity/Race									
Filipino	31.4	33.5	34.1	34.1	32.3	NA	—	26.7	More Likely
Hispanic/Latino	8.9	6.4	8.1	11.1	10.5	NA	—	6.4	More Likely
Native Hawaiian	25.8	25.9	25.3	26.7	27.7	NA	—	25.6	—
Other Asian/Pacific Islander	6.6	9.8	8.9	4.3	4.1	NA	—	21.0	Less Likely
White	18.0	18.2	17.3	16.7	17.7	NA	—	14.8	—
All other races	0.3	0.4	0.6	0.2	0.4	NA	—	0.4	—
Multiple races	9.0	5.8	5.7	7.0	7.2	NA	—	5.1	More Likely
Did not describe themselves as only one race or ethnicity	NA	19.8	19.8	17.2	16.4	Decreased	—	15.3	—
Grade 9	29.4	28.1	30.2	28.2	29.6	NA	—	28.6	—
Grade 10	25.6	26.0	24.6	24.4	26.3	NA	—	26.0	—
Grade 11	22.8	22.1	21.7	25.1	23.7	NA	—	23.6	—
Grade 12	21.9	23.6	22.9	21.2	20.1	NA	—	21.6	—

^aBased on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, *p* < 0.05

^bBased on *t*-test analysis, *p* < 0.05

^cNot available

^dNo statistically significant difference, *p* < 0.05

table continues

Table C6. 2010–2019 Hawai‘i YRBS Public High School Maui County Results and Trends and 2019 State Results cont.

Survey Item	Maui County							2019	
	2010 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Maui County vs. State
Socio-Demographics cont.									
Reported that either of their parents or other adults in their family were serving on active duty in the military	NA	NA	NA	16.1	17.8	NA	—	24.2	—
Did not usually sleep in their parent’s or guardian’s home (during the 30 days before the survey)	NA	NA	NA	11.1	9.3	NA	—	8.5	—
Injuries and Violence									
Rode in a car driven by someone, including themselves, who was “high” or had been using alcohol or drugs (during the 30 days before the survey)	NA	30.6	27.0	25.6	28.7	—	—	21.5	More Likely
Were in a physical fight (one or more times during the 12 months before the survey)	22.4	16.6	15.7	20.1	18.3	Decreased	—	16.7	—
Did not go to school because they felt unsafe at school or on their way to or from school (on at least 1 day during the 30 days before the survey)	6.8	7.6	9.4	10.4	11.0	Increased	—	12.4	—
Were electronically bullied (counting being bullied through texting, Instagram, Facebook, or other social media during the 12 months before the survey)	13.3	16.8	16.4	16.4	14.0	—	—	13.1	—
Were bullied on school property (during the 12 months before the survey)	20.9	19.1	19.2	21.7	18.1	Decreased	—	17.0	—
Strongly agreed or agreed that harassment and bullying by other students is a problem at their school	NA	NA	NA	42.1	40.1	NA	—	40.4	—
Were ever physically forced to have sexual intercourse (when they did not want to)	8.4	8.6	9.0	8.4	9.1	—	—	7.7	—

table continues

Table C6. 2010–2019 Hawai‘i YRBS Public High School Maui County Results and Trends and 2019 State Results cont.

Survey Item	Maui County							2019	
	2010 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Maui County vs. State
Injuries and Violence cont.									
Experienced physical dating violence (counting being hit, slammed into something, or injured with an object or weapon on purpose by someone they were dating or going out with one or more times during the 12 months before the survey among students who dated or went out with someone)	NA	10.8	11.0	10.6	9.6	—	—	8.6	—
Experienced sexual dating violence (counting being kissed, touched, or physically forced to have sexual intercourse by someone they were dating or going out with one or more times during the past 12 months before the survey among students who dated or went out with someone)	NA	14.8	11.6	NA	8.0	NA	NA	7.7	—
Experienced sexual violence (counting being kissed, touched, or physically forced to have sexual intercourse by anyone one or more times during the past 12 months)	NA	NA	NA	13.4	11.4	NA	—	10.8	—
Mental Health and Suicide									
Purposely hurt themselves without wanting to die (such as cutting or burning themselves one or more times during the 12 months before the survey)	NA	20.5	23.3	21.1	23.2	—	—	19.7	More Likely
Felt sad or hopeless (almost every day for 2 or more weeks in a row so that they stopped doing some usual activities during the 12 months before the survey)	27.7	27.0	30.0	33.1	37.9	Increased	Increased	34.7	—
Never or rarely got the kind of help they needed (among students who reported having felt sad, empty, hopeless, angry, or anxious)	NA	NA	NA	57.4	55.4	NA	—	55.5	—
Seriously considered attempting suicide (during the 12 months before the survey)	14.1	15.9	15.3	18.6	19.6	Increased	—	16.7	More Likely

table continues

Table C6. 2010–2019 Hawai‘i YRBS Public High School Maui County Results and Trends and 2019 State Results cont.

Survey Item	Maui County							2019	
	2010 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Maui County vs. State
Mental Health and Suicide cont.									
Made a plan about how they would attempt suicide (during the 12 months before the survey)	14.1	14.5	14.8	15.0	17.3	—	—	14.6	More Likely
Attempted suicide (one or more times during the 12 months before the survey)	9.0	10.2	11.5	11.4	12.8	Increased	—	10.5	—
Suicide attempt resulted in an injury, poisoning, or overdose that had to be treated by a doctor or nurse (during the 12 months before the survey)	3.3	4.3	4.1	3.1	4.0	—	—	3.2	—
Tobacco Use									
Ever tried cigarette smoking (even one or two puffs)	35.5	NA	27.0	NA	21.7	NA	NA	17.8	More Likely
First tried cigarette smoking before age 13 years (even one or two puffs)	NA	NA	NA	13.9	8.2	NA	Decreased	7.4	—
Currently smoked cigarettes (on at least 1 day during the 30 days before the survey)	9.1	10.5	10.9	11.1	6.3	Decreased	Decreased	5.3	—
Currently smoked cigarettes frequently (on 20 or more days during the 30 days before the survey)	2.2	2.1	2.3	2.7	1.3	—	—	1.2	—
Currently smoked cigarettes daily (on all 30 days during the 30 days before the survey)	1.5	1.4	1.3	1.8	1.0	—	—	0.9	—
Ever used an electronic vapor product (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods)	NA	NA	51.6	NA	58.1	NA	NA	48.3	More Likely
First tried using an electronic vapor product before age 13 years (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods)	NA	NA	NA	11.2	13.3	NA	—	8.8	More Likely

table continues

Table C6. 2010–2019 Hawai‘i YRBS Public High School Maui County Results and Trends and 2019 State Results cont.

Survey Item	Maui County							2019	
	2010 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Maui County vs. State
Tobacco Use cont.									
Currently used an electronic vapor product (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods on at least 1 day during the 30 days before the survey)	NA	NA	32.5	32.3	36.4	—	—	30.6	More Likely
Currently used electronic vapor products frequently (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods on 20 or more days during the 30 days before the survey)	NA	NA	6.7	8.1	14.9	Increased	Increased	10.4	More Likely
Currently used electronic vapor products daily (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods on all 30 days during the 30 days before the survey)	NA	NA	5.2	5.3	10.3	Increased	Increased	7.9	More Likely
Usually got their own electronic vapor products by buying them in a store (during the 30 days before the survey among students who currently used electronic vapor products)	NA	NA	NA	NA	3.6	NA	NA	4.7	—
Currently smoked cigarettes or used electronic vapor products (on at least one day during the 30 days before the survey)	NA	NA	35.3	34.5	37.7	—	—	32.1	More Likely
Alcohol and Other Drug Use									
Ever drank alcohol (other than a few sips)	55.3	58.7	53.2	54.7	54.3	NA	—	44.9	More Likely
Drank alcohol for the first time before age 13 years (other than a few sips)	21.6	17.7	19.9	19.6	17.4	Decreased	—	15.2	—
Currently drank alcohol (at least one drink of alcohol on at least 1 day during the 30 days before the survey)	28.7	30.9	28.7	32.8	27.7	—	Decreased	20.4	More Likely
Usually got the alcohol they drank by someone giving it to them (during the 30 days before the survey among students who currently drank alcohol)	NA	NA	NA	NA	38.3	NA	NA	36.7	—

table continues

Table C6. 2010–2019 Hawai‘i YRBS Public High School Maui County Results and Trends and 2019 State Results cont.

Survey Item	Maui County							2019	
	2010 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Maui County vs. State
Alcohol and Other Drug Use cont.									
Usually drank alcohol at their home or another person’s home (during the 30 days before the survey among students who currently drank alcohol)	NA	NA	NA	NA	66.2	NA	NA	73.0	Less Likely
Reported liquor as the type of alcohol they drank most often (during the 30 days before the survey among students who currently drank alcohol)	NA	NA	NA	NA	47.5	NA	NA	37.9	More Likely
Were currently binge drinking (had four or more drinks of alcohol in a row for female students or five or more drinks of alcohol in a row for male students within a couple of hours on at least 1 day during the 30 days before the survey)	NA	NA	NA	16.7	14.8	NA	—	10.9	More Likely
Thought parents would feel it was a little bit wrong, wrong, or very wrong for them to drink beer, wine, or hard liquor regularly	91.2	88.1	89.3	89.4	86.6	—	—	85.7	—
Attended school under the influence of alcohol, marijuana, or other drugs (during the 12 months before the survey)	NA	NA	17.4	21.4	23.9	Increased	—	19.6	More Likely
Ever used marijuana	38.2	42.5	37.8	37.9	41.8	NA	—	29.9	More Likely
Tried marijuana for the first time before age 13 years	12.3	12.4	13.5	12.3	10.5	—	—	6.9	More Likely
Currently used marijuana (one or more times during the 30 days before the survey)	21.9	24.6	22.3	23.1	25.1	—	—	17.2	More Likely
Usually used marijuana by smoking it (in a joint, bong, pipe, or blunt during the 30 days before the survey among students who used marijuana)	NA	NA	NA	NA	72.2	NA	NA	54.4	More Likely

table continues

Table C6. 2010–2019 Hawai‘i YRBS Public High School Maui County Results and Trends and 2019 State Results cont.

Survey Item	Maui County							2019	
	2010 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Maui County vs. State
Alcohol and Other Drug Use cont.									
Ever used any of the following drugs one or more times during their life									
Any form of cocaine (such as powder, crack, or freebase)	5.3	6.3	6.3	8.7	7.3	—	—	5.8	—
Ecstasy (also called “MDMA”)	6.6	7.0	8.1	7.0	5.8	Decreased	—	4.5	More Likely
Heroin (also called “smack,” “junk,” or “China White”)	NA	3.9	3.7	6.0	3.2	—	Decreased	3.6	—
Methamphetamines (also called “speed,” “crystal,” “crank,” or “ice,” or “meth”)	3.6	4.3	4.3	6.2	4.6	—	—	4.5	—
Ever took prescription pain medicine without a doctor’s prescription or differently than how a doctor told them to use it (such as codeine, Vicodin, OxyContin, Hydrocodone, and Percocet one or more times during their life)	NA	NA	NA	13.6	17.0	NA	Increased	14.4	—
Currently took prescription pain medicine without a doctor’s prescription or differently than how a doctor told them to use it (such as codeine, Vicodin, OxyContin, Hydrocodone, and Percocet during the 30 days before the survey)	NA	NA	NA	NA	11.1	NA	NA	8.5	More Likely
Ever used a needle to inject any illegal drug into their body (one or more times during their life)	NA	3.0	3.5	3.9	3.1	—	—	2.6	—
Sexual Behaviors									
Ever had sexual intercourse	37.4	39.6	33.8	36.4	35.4	NA	—	27.7	More Likely
Had sexual intercourse for the first time before age 13 years	5.7	3.5	5.4	3.9	2.5	Decreased	—	2.9	—

table continues

Table C6. 2010–2019 Hawai‘i YRBS Public High School Maui County Results and Trends and 2019 State Results cont.

Survey Item	Maui County							2019	
	2010 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Maui County vs. State
Sexual Behaviors cont.									
Had sexual intercourse with four or more persons (during their life)	9.1	9.4	9.5	7.2	7.2	Decreased	—	4.6	More Likely
Were currently sexually active (had sexual intercourse with at least one person during the 3 months before the survey)	26.1	27.2	24.4	24.4	24.6	—	—	17.6	More Likely
Used a condom during last sexual intercourse (among students who were currently sexually active)	41.3	45.0	45.3	47.7	42.0	—	—	45.5	—
Drank alcohol or used drugs before last sexual intercourse (among students who were currently sexually active)	23.9	23.2	23.5	25.7	21.5	—	—	20.7	—
Used the following birth control methods during or before last sexual intercourse to prevent pregnancy, among students who were currently sexually active									
Birth control pills	16.5	25.7	18.5	14.1	22.4	—	Increased	14.8	More Likely
IUD (e.g., Mirena or ParaGard) or implant (e.g., Implanon or Nexplanon)	NA	1.1	6.1	7.5	7.0	Increased	—	9.7	—
Birth control pills; an IUD (e.g., Mirena or ParaGard) or implant (e.g., Implanon or Nexplanon); or a shot (e.g., Depo-Provera), patch (e.g., OrthoEvra), or birth control ring (e.g., NuvaRing)	NA	33.0	29.9	28.2	35.7	—	—	29.4	More Likely
Both a condom and birth control pills; an IUD (e.g., Mirena or ParaGard) or implant (e.g., Implanon or Nexplanon); or a shot (e.g., Depo-Provera), patch (e.g., OrthoEvra), or birth control ring (e.g., NuvaRing)	NA	7.3	8.9	5.0	6.4	—	—	6.6	—
None	21.3	15.7	17.5	12.1	16.5	—	—	16.0	—

table continues

Table C6. 2010–2019 Hawai‘i YRBS Public High School Maui County Results and Trends and 2019 State Results cont.

Survey Item	Maui County							2019	
	2010 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Maui County vs. State
Weight and Nutrition									
Had obesity^e (≥ 95th percentile for body mass index, based on sex- and age-specific reference data from the 2000 CDC growth charts)	13.7	13.6	13.4	16.1	14.3	—	—	16.4	—
Were overweight^e (≥ 85th percentile but < 95th percentile for body mass index, based on sex- and age-specific reference data from the 2000 CDC growth charts)	14.9	16.8	15.3	14.9	13.3	—	—	14.4	—
Tried to lose weight or keep from gaining weight (by going without eating for 24 hours or more; taking any diet pills, powders, or liquids; vomiting or taking laxatives; smoking cigarettes; or skipping meals during the 30 days before the survey)	NA	NA	NA	22.1	22.4	NA	—	21.5	—
Ate fruit or drank 100% fruit juices two or more times per day (during the 7 days before the survey)	25.5	29.1	26.9	23.8	20.1	Decreased	—	19.7	—
Did not eat fruit or drink 100% fruit juices (during the 7 days before the survey)	4.9	4.0	6.2	8.1	7.2	Increased	—	9.5	Less Likely
Did not eat fruit (during the 7 days before the survey)	8.7	6.4	11.6	12.4	11.4	Increased	—	13.6	Less Likely
Did not drink 100% fruit juices (during the 7 days before the survey)	30.9	30.3	33.3	37.4	41.7	Increased	Increased	43.9	—
Ate vegetables three or more times per day (during the 7 days before the survey)	NA	NA	NA	12.2	14.3	NA	—	13.0	—
Did not eat vegetables (during the 7 days before the survey)	NA	NA	NA	9.2	7.7	NA	—	10.0	—
Drank a can, bottle, or glass of soda or pop one or more times per day (not counting diet soda or diet pop during the 7 days before the survey)	17.9	13.9	11.2	11.7	9.1	Decreased	—	10.6	—

^e Beginning in 2017, new, slightly different ranges were used to calculate biologically implausible responses to height and weight questions.

table continues

Table C6. 2010–2019 Hawai‘i YRBS Public High School Maui County Results and Trends and 2019 State Results cont.

Survey Item	Maui County							2019	
	2010 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Maui County vs. State
Weight and Nutrition cont.									
Did not drink a can, bottle, or glass of soda or pop (not counting diet soda or diet pop during the 7 days before the survey)	21.1	30.8	36.7	35.5	37.9	Increased	—	38.8	—
Drank a can, bottle, pouch, or glass of a juice drink one or more times per day (such as fruit punch, Hawaiian Sun, Aloha Maid, Sunny Delight, or Tang not counting 100% fruit juice during the 7 days before the survey)	NA	NA	12.5	11.1	11.1	—	—	10.7	—
Did not drink a can, bottle, pouch, or glass of a juice drink (such as fruit punch, Hawaiian Sun, Aloha Maid, Sunny Delight, or Tang not counting 100% fruit juice during the 7 days before the survey)	NA	NA	32.6	31.2	34.9	NA	—	35.9	—
Ate breakfast on all 7 days (during the 7 days before the survey)	NA	38.0	36.1	34.7	35.8	—	—	35.4	—
Did not eat breakfast (during the 7 days before the survey)	NA	9.9	13.7	12.2	15.5	Increased	Increased	16.0	—
Went hungry most of the time or always because there was not enough food in their home (during the 30 days before the survey)	NA	NA	8.0	9.9	6.1	—	Decreased	6.6	—
Physical Activity									
Were physically active at least 60 minutes per day in the past 7 days (activity that increased their heart rate and made them breathe hard)									
0 days	13.7	12.4	13.2	20.1	14.4	Increased	Decreased	19.5	Less Likely
5 or more days	38.5	44.9	39.7	35.0	38.9	Decreased	—	33.3	More Likely
All 7 days	21.8	25.6	20.2	18.8	19.5	Decreased	—	17.1	—
Did exercises to strengthen or tone their muscles on 3 or more days (such as push-ups, sit-ups, or weight lifting during the 7 days before the survey)	NA	52.2	48.0	42.0	45.2	Decreased	—	40.4	More Likely

table continues

Table C6. 2010–2019 Hawai‘i YRBS Public High School Maui County Results and Trends and 2019 State Results cont.

Survey Item	Maui County							2019	
	2010 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Maui County vs. State
Physical Activity cont.									
Attended physical education (PE) classes on 1 or more days (in an average week when they were in school)	41.6	46.4	50.3	49.5	45.3	—	—	42.7	—
Attended physical education (PE) classes on all 5 days (in an average week when they were in school)	7.7	9.6	7.7	7.4	6.7	—	—	8.5	—
Strongly agreed or agreed that the physical education (PE) classes they took offered a variety of physical activities (during the 12 months before the survey)	NA	NA	NA	NA	77.8	NA	NA	82.5	Less Likely
Were usually physically active at least half of the time during physical education (PE) classes (during the 12 months before the survey)	NA	NA	NA	NA	90.8	NA	NA	91.1	—
Reported that some of their classroom teachers provide short physical activity breaks during regular class time (not counting their physical education teacher)	NA	NA	NA	NA	24.4	NA	NA	28.3	Less Likely
Played on at least one sports team (run by their school or community groups during the 12 months before the survey)	55.9	53.3	51.4	48.6	52.1	Decreased	—	49.9	—
Watched 3 or more hours per day of television (on an average school day)	29.6	29.1	22.2	19.8	17.3	Decreased	—	17.1	—
Played video or computer games or used a computer 3 or more hours per day (for something that was not school work on an average school day)	30.5	37.7	38.2	44.7	45.6	Increased	—	41.8	More Likely
Rode their bike or walked to or from school on 1 or more days (in an average week when they were in school)	NA	NA	NA	NA	29.2	NA	NA	33.6	Less Likely

table continues

Table C6. 2010–2019 Hawai‘i YRBS Public High School Maui County Results and Trends and 2019 State Results cont.

Survey Item	Maui County							2019	
	2010 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Maui County vs. State
Health									
Saw a doctor or nurse (for a check-up or physical exam when they were not sick or injured during the 12 months before the survey)	NA	63.2	57.7	65.0	67.1	Increased	—	64.0	—
Saw a dentist (for a check-up, exam, teeth cleaning, or other dental work during the 12 months before the survey)	NA	68.5	65.2	70.3	70.9	—	—	71.7	—
Never saw a dentist (for a check-up, exam, teeth cleaning, or other dental work)	NA	4.0	4.1	2.8	2.5	Decreased	—	2.0	—
Missed school because of problems with their teeth or mouth (one or more times during the 12 months before the survey)	NA	NA	NA	NA	19.2	NA	NA	19.8	—
Did not go to school because they were sick (one or more times during the 30 days before the survey)	NA	NA	NA	40.2	51.0	NA	Increased	46.7	More Likely
Had a concussion from playing a sport or being physically active (one or more times during the 12 months before the survey)	NA	NA	NA	NA	16.1	NA	NA	15.9	—
Protective Factors									
Were ever taught in school about sexually transmitted diseases (STDs)	NA	NA	NA	NA	84.8	NA	NA	73.6	More Likely
Were ever taught in school about the benefits of not having sexual intercourse to prevent pregnancy and sexually transmitted diseases (STDs)	NA	NA	NA	NA	81.4	NA	NA	71.7	More Likely
Were ever taught in school about how to use birth control methods or where to get birth control	NA	NA	NA	NA	69.2	NA	NA	54.4	More Likely
Were ever taught in school about where they could get sexual health services (such as birth control, condoms, or HIV or other sexually transmitted diseases (STD) testing or treatment)	NA	NA	NA	NA	70.6	NA	NA	56.4	More Likely

table continues

Table C6. 2010–2019 Hawai‘i YRBS Public High School Maui County Results and Trends and 2019 State Results cont.

Survey Item	Maui County							2019	
	2010 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Maui County vs. State
Protective Factors cont.									
Wore sunscreen most of the time or always (with an SPF of 15 or higher when they were outside for more than one hour on a sunny day)	NA	NA	NA	10.7	9.8	NA	—	12.4	—
Had 8 or more hours of sleep (on an average school night)	NA	32.5	23.5	21.8	23.5	Decreased	—	22.8	—
Talked with at least one of their parents or another adult in their family about the dangers of tobacco, alcohol, or drug use (during the 12 months before the survey)	44.6	44.9	39.3	46.4	44.4	—	—	45.7	—
Had parents or other adults in their family talk with them about what they expected them to do or not to do when it came to sex	NA	NA	49.1	53.7	50.5	—	—	47.3	—
Had at least one teacher or other adult in their school they could talk to if they had a problem	62.9	63.5	59.5	59.5	59.5	—	—	60.8	—
Had an adult outside of school they could talk to about things that were important to them	75.8	76.2	72.5	70.8	66.1	Decreased	Decreased	66.9	—
Described their grades in school as mostly A’s or B’s (during the 12 months before the survey)	65.0	69.5	68.3	71.4	73.0	Increased	—	73.0	—
Thought they probably or definitely will complete a post high school program (such as a vocational training program, military service, community college, or 4-year college)	74.5	73.1	69.2	67.6	71.6	Decreased	—	72.6	—

Appendix D: Hawai'i Public Middle School State and County Results and Trends

Table D1. 2015–2019 Hawai‘i Youth Risk Behavior Survey Public Middle School Results (2015 n = 6,374; 2017 n = 6,418; and 2019 n = 6,591)

Survey Item	2015 %	2017 %	2019 %	2019 vs. 2017 ^a
Socio-Demographics				
Females	50.1	50.0	47.8	— ^b
Males	49.9	50.0	52.2	—
Gay, lesbian, or bisexual	NA ^c	7.1	8.7	—
Transgender	NA	NA	1.4	NA
Ethnicity/Race				
Filipino	25.9	25.5	25.0	—
Hispanic/Latino	9.2	6.6	6.7	—
Native Hawaiian	25.0	24.1	23.6	—
Other Asian/Pacific Islander	17.4	23.3	22.9	—
White	13.3	14.9	16.5	—
All other races	1.1	0.6	0.5	—
Multiple races	8.0	5.0	4.8	—
Did not describe themselves as only one race or ethnicity	18.0	19.0	17.3	—
Grade 6	20.6	23.0	22.9	—
Grade 7	41.3	39.4	39.6	—
Grade 8	37.7	37.3	37.3	—
Reported that either of their parents or other adults in their family were serving on active duty in the military	NA	28.3	28.3	—
Did not usually sleep in their parent’s or guardian’s home (during the 30 days before the survey)	NA	6.7	5.8	—

^aBased on *t*-test analysis, $p < 0.05$

^bNo statistically significant difference, $p < 0.05$

^cNot available

table continues

Table D1. 2015–2019 Hawai‘i YRBS Public Middle School Results cont.

Survey Item	2015 %	2017 %	2019 %	2019 vs. 2017
Injuries and Violence				
Ever rode in a car driven by someone who was “high” or had been using alcohol or drugs	NA	NA	24.5	NA
Were in a physical fight (one or more times during the 12 months before the survey)	21.4	17.1	19.5	—
Did not go to school because they felt unsafe at school or on their way to or from school (during the 12 months before the survey)	9.6	9.2	10.3	—
Were ever electronically bullied (counting being bullied through texting, Instagram, Facebook, or other social media)	25.1	22.6	22.7	—
Ever electronically bullied someone (counting bullying through texting, Instagram, Facebook, or other social media)	15.7	10.9	10.9	—
Were ever bullied on school property	45.1	40.0	37.8	—
Strongly agreed or agreed that harassment and bullying by other students is a problem at their school	59.2	54.4	56.9	—
Were ever physically forced to have sexual intercourse (when they did not want to)	4.2	2.7	3.5	—
Were purposely controlled or emotionally hurt (counting being told who they could and could not spend time with, being humiliated in front of others, or being threatened if they did not do what they wanted by someone they were dating or going out with one or more times during the 12 months before the survey among students who dated or went out with someone)	21.6	28.7	19.7	Decreased
Experienced physical dating violence (counting being hit, slammed into something, or injured with an object or weapon on purpose by someone they were dating or going out with one or more times during the 12 months before the survey among students who dated or went out with someone)	15.8	19.5	9.7	Decreased
Physically hurt someone they were dating or going out with (counting hitting them, slamming them into something, or injuring them with an object or weapon on purpose one or more times during the 12 months before the survey among students who dated or went out with someone)	NA	19.5	8.7	Decreased
Experienced sexual violence (counting being kissed, touched, or physically forced to have sexual intercourse by anyone one or more times during the past 12 months)	NA	6.4	6.1	—

table continues

Table D1. 2015–2019 Hawai‘i YRBS Public Middle School Results cont.

Survey Item	2015 %	2017 %	2019 %	2019 vs. 2017
Mental Health and Suicide				
Ever purposely hurt themselves without wanting to die (such as cutting or burning themselves)	22.8	21.8	25.4	—
Ever felt sad or hopeless (almost every day for 2 or more weeks in a row so that they stopped doing some usual activities)	29.0	27.2	30.5	—
Never or rarely got the kind of help they needed (among students who reported having felt sad, empty, hopeless, angry, or anxious)	NA	45.2	48.3	—
Ever seriously thought about killing themselves	24.8	23.1	27.2	Increased
Ever made a plan about how they would kill themselves	17.5	16.3	18.7	Increased
Ever tried to kill themselves	12.5	12.4	13.0	—
Tried to kill themselves and attempt resulted in an injury, poisoning, or overdose that had to be treated by a doctor or nurse	10.8	11.8	9.6	—
Tobacco Use				
Ever tried cigarette smoking (even one or two puffs)	14.9	NA	10.5	NA
First tried cigarette smoking before age 11 years (even one or two puffs)	NA	5.8	5.0	—
Currently smoked cigarettes (on at least 1 day during the 30 days before the survey)	5.0	5.0	3.9	—
Currently smoked cigarettes frequently (on 20 or more days during the 30 days before the survey)	0.4	0.2	0.5	—
Currently smoked cigarettes daily (on all 30 days during the 30 days before the survey)	0.3	0.2	0.5	—
Ever used an electronic vapor product (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods)	26.3	27.0	30.6	—
First tried using an electronic vapor product before age 11 years (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods)	NA	NA	5.4	NA

table continues

Table D1. 2015–2019 Hawai‘i YRBS Public Middle School Results cont.

Survey Item	2015 %	2017 %	2019 %	2019 vs. 2017
Tobacco Use cont.				
Currently used an electronic vapor product (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods on at least 1 day during the 30 days before the survey)	15.7	15.7	17.7	—
Currently used electronic vapor products frequently (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods on 20 or more days during the 30 days before the survey)	1.7	1.9	3.0	Increased
Currently used electronic vapor products daily (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods on all 30 days during the 30 days before the survey)	1.2	1.2	2.3	Increased
Usually got their own electronic vapor products by buying them in a store (during the 30 days before the survey among students who currently used electronic vapor products)	NA	NA	3.3	NA
Currently smoked cigarettes or used electronic vapor products (on at least one day during the 30 days before the survey)	NA	NA	18.7	NA
Alcohol and Other Drug Use				
Ever drank alcohol (other than a few sips)	23.9	23.5	22.6	—
Drank alcohol for the first time before age 11 years (other than a few sips)	10.6	12.1	11.4	—
Currently drank alcohol (at least one drink of alcohol on at least 1 day during the 30 days before the survey)	10.4	11.6	7.0	Decreased
Usually drank alcohol at their home or another person’s home (during the 30 days before the survey among students who currently drank alcohol)	NA	NA	77.0	NA
Reported liquor as the type of alcohol they drank most often (during the 30 days before the survey among students who currently drank alcohol)	NA	NA	31.0	NA
Had five or more drinks of alcohol in a row (within a couple of hours on at least 1 day during the 30 days before the survey)	5.3	5.4	4.6	—

table continues

Table D1. 2015–2019 Hawai‘i YRBS Public Middle School Results cont.

Survey Item	2015 %	2017 %	2019 %	2019 vs. 2017
Alcohol and Other Drug Use cont.				
Thought parents would feel it was a little bit wrong, wrong, or very wrong for them to drink beer, wine, or hard liquor regularly	87.8	87.8	88.1	—
Attended school under the influence of alcohol, marijuana, or other drugs (during the 12 months before the survey)	6.6	7.2	8.3	—
Ever used marijuana	9.9	11.9	10.6	—
Tried marijuana for the first time before age 11 years	3.3	3.6	2.9	—
Currently used marijuana (one or more times during the 30 days before the survey)	7.9	7.6	7.2	—
Ever used any form of cocaine (such as powder, crack, or freebase)	3.2	3.3	2.8	—
Ever used methamphetamines (also called “speed,” “crystal,” “crank,” or “ice” or “meth”)	2.7	2.1	3.7	Increased
Ever took prescription pain medicine without a doctor’s prescription or differently than how a doctor told them to use it (such as codeine, Vicodin, OxyContin, Hydrocodone, and Percocet)	NA	6.8	10.6	Increased
Currently took prescription pain medicine without a doctor’s prescription or differently than how a doctor told them to use it (such as codeine, Vicodin, OxyContin, Hydrocodone, and Percocet one or more times during the 30 days before the survey)	NA	NA	7.8	NA
Ever used a needle to inject any illegal drug into their body (one or more times during their life)	NA	7.1	5.1	Decreased
Sexual Behaviors				
Ever had sexual intercourse	6.9	7.0	6.5	—
Had sexual intercourse for the first time before age 11 years	2.3	2.7	2.4	—
Had sexual intercourse with three or more persons (during their life)	2.4	1.8	1.7	—

table continues

Table D1. 2015–2019 Hawai‘i YRBS Public Middle School Results cont.

Survey Item	2015 %	2017 %	2019 %	2019 vs. 2017
Sexual Behaviors cont.				
Used a condom during last sexual intercourse (among students who ever had sexual intercourse)	54.0	51.3	44.2	—
Ever had sexual contact with both males and females	NA	1.3	1.2	—
Weight and Nutrition				
Tried to lose weight or keep from gaining weight (by going without eating for 24 hours or more; taking any diet pills, powders, or liquids; vomiting or taking laxatives; smoking cigarettes; or skipping meals during the 30 days before the survey)	NA	14.3	19.9	Increased
Were trying to lose weight	47.6	45.8	48.9	—
Ate breakfast on all 7 days (during the 7 days before the survey)	46.2	45.9	43.8	—
Did not eat breakfast (during the 7 days before the survey)	12.6	11.6	13.6	—
Went hungry most of the time or always because there was not enough food in their home (during the 30 days before the survey)	7.5	6.8	7.4	—
Physical Activity				
Were physically active at least 60 minutes per day in the past 7 days (activity that increased their heart rate and made them breathe hard)				
0 days	15.5	13.6	17.5	Increased
5 or more days	47.0	47.7	43.5	—
All 7 days	27.4	27.0	24.0	Decreased
Did exercises to strengthen or tone their muscles on 3 or more days (such as push-ups, sit-ups, or weight lifting during the 7 days before the survey)	48.5	50.6	44.0	Decreased
Attended physical education (PE) classes on 1 or more days (in an average week when they were in school)	58.0	56.3	53.0	—

table continues

Table D1. 2015–2019 Hawai‘i YRBS Public Middle School Results cont.

Survey Item	2015 %	2017 %	2019 %	2019 vs. 2017
Physical Activity cont.				
Attended physical education (PE) classes on all 5 days (in an average week when they were in school)	14.4	11.1	9.3	—
Strongly agreed or agreed that the physical education (PE) classes they took offered a variety of physical activities (during the 12 months before the survey)	NA	NA	78.4	NA
Were usually physically active at least half of the time during physical education (PE) classes (during the 12 months before the survey)	NA	NA	91.6	NA
Reported that some of their classroom teachers provide short physical activity breaks during regular class time (not counting their physical education teacher)	NA	NA	33.1	NA
Played on at least one sports team (run by their school or community groups during the 12 months before the survey)	52.8	51.6	47.2	Decreased
Watched 3 or more hours per day of television (on an average school day)	28.3	23.6	23.8	—
Played video or computer games or used a computer 3 or more hours per day (for something that was not school work on an average school day)	41.9	44.6	48.7	Increased
Rode their bike or walked to or from school on 1 or more days (in an average week when they were in school and the weather allowed them to do so)	NA	NA	38.4	NA
Health				
Saw a dentist (for a check-up, exam, teeth cleaning, or other dental work during the 12 months before the survey)	61.4	59.8	65.1	—
Never saw a dentist (for a check-up, exam, teeth cleaning, or other dental work)	3.0	2.9	1.4	Decreased
Missed school because of problems with their teeth or mouth (one or more times during the 12 months before the survey)	NA	NA	21.4	NA
Did not go to school because they were sick (one or more times during the 30 days before the survey)	NA	43.7	53.1	Increased
Had a concussion from playing a sport or being physically active (one or more times during the 12 months before the survey)	NA	19.2	17.7	—

table continues

Table D1. 2015–2019 Hawai‘i YRBS Public Middle School Results cont.

Survey Item	2015 %	2017 %	2019 %	2019 vs. 2017
Protective Factors				
Were ever taught in school about sexually transmitted diseases (STDs)	NA	NA	44.7	NA
Were ever taught in school about the benefits of not having sexual intercourse to prevent pregnancy and sexually transmitted diseases (STDs)	NA	NA	40.7	NA
Were ever taught in school about AIDS or HIV infection	43.8	41.3	42.9	—
Wore sunscreen most of the time or always (with an SPF of 15 or higher when they were outside for more than one hour on a sunny day)	NA	11.5	12.5	—
Had 8 or more hours of sleep (on an average school night)	50.9	52.6	46.5	Decreased
Talked with at least one of their parents or another adult in their family about the dangers of tobacco, alcohol, or drug use (during the 12 months before the survey)	36.2	39.9	38.5	—
Had parents or other adults in their family talk with them about what they expected them to do or not to do when it came to sex	34.3	28.4	30.1	—
Ever had a parent or other adults in their family talk with them about how to say no to having sex	NA	24.3	23.7	—
Had at least one teacher or other adult in their school they could talk to if they had a problem	63.8	67.8	65.0	Decreased
Had a teacher or some other adult at their school who really cared about them	NA	52.7	49.9	—
Had an adult outside of school they could talk to about things that were important to them	70.7	71.3	64.9	Decreased
Described their grades in school as mostly A’s or B’s (during the 12 months before the survey)	64.8	68.3	71.3	—
Thought they probably or definitely would complete high school	84.5	81.8	81.3	—

Table D2. 1997–2019 Hawai‘i Youth Risk Behavior Survey Public Middle School Trends

Survey Item	1997 %	1999 %	2001 %	2003 %	2007 %	2009 %	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change ^a
Socio-Demographics												
Did not describe themselves as only one race or ethnicity	NA ^b	NA	NA	NA	NA	NA	NA	18.2	18.0	19.0	17.3	— ^c
Injuries and Violence												
Were in a physical fight (one or more times during the 12 months before the survey)	NA	NA	NA	NA	NA	NA	25.5	21.5	21.4	17.1	19.5	Decreased (2011–2019)
Did not go to school because they felt unsafe at school or on their way to or from school (during the 12 months before the survey)	NA	NA	NA	NA	7.1	9.2	6.8	8.4	9.6	9.2	10.3	Increased (2007–2019)
Were ever electronically bullied (counting being bullied through texting, Instagram, Facebook, or other social media)	NA	NA	NA	NA	NA	NA	23.7	23.7	25.1	22.6	22.7	—
Ever electronically bullied someone (counting bullying through texting, Instagram, Facebook, or other social media)	NA	NA	NA	NA	NA	NA	NA	NA	15.7	10.9	10.9	Decreased (2015–2019)
Were ever bullied on school property	NA	NA	NA	NA	NA	NA	40.7	44.6	45.1	40.0	37.8	Decreased (2011–2019)
Were ever physically forced to have sexual intercourse (when they did not want to)	NA	NA	5.7	5.4	4.5	5.1	4.2	4.5	4.2	2.7	3.5	Decreased (2001–2019)
Were purposely controlled or emotionally hurt (counting being told who they could and could not spend time with, being humiliated in front of others, or being threatened if they did not do what they wanted by someone they were dating or going out with one or more times during the 12 months before the survey among students who dated or went out with someone)	NA	NA	NA	NA	NA	NA	NA	NA	21.6	28.7	19.7	—
Experienced physical dating violence (counting being hit, slammed into something, or injured with an object or weapon on purpose by someone they were dating or going out with one or more times during the 12 months before the survey among students who dated or went out with someone)	NA	NA	NA	NA	NA	NA	NA	14.0	15.8	19.5	9.7	Decreased (2013–2019)

^a Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$

^b Not available

^c No statistically significant difference, $p < 0.05$

Table D2. 1997–2019 Hawai‘i Youth Risk Behavior Survey Public Middle School Trends cont.

Survey Item	1997 %	1999 %	2001 %	2003 %	2007 %	2009 %	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change
Mental Health and Suicide												
Ever purposely hurt themselves without wanting to die (such as cutting or burning themselves)	NA	NA	NA	NA	NA	NA	NA	19.6	22.8	21.8	25.4	Increased (2013–2019)
Ever felt sad or hopeless (almost every day for 2 or more weeks in a row so that they stopped doing some usual activities)	NA	NA	NA	NA	NA	NA	25.8	26.5	29.0	27.2	30.5	Increased (2011–2019)
Ever seriously thought about killing themselves	NA	NA	NA	NA	NA	NA	22.5	25.4	24.8	23.1	27.2	Increased (2011–2019)
Ever made a plan about how they would kill themselves	NA	NA	NA	NA	NA	NA	15.5	17.2	17.5	16.3	18.7	Increased (2011–2019)
Ever tried to kill themselves	NA	NA	NA	NA	NA	NA	9.2	12.3	12.5	12.4	13.0	Increased (2011–2019)
Tobacco Use												
Currently smoked cigarettes (on at least 1 day during the 30 days before the survey)	NA	12.3	9.1	7.0	8.9	8.2	7.2	5.2	5.0	5.0	3.9	Decreased (1999–2019)
Currently smoked cigarettes frequently (on 20 or more days during the 30 days before the survey)	NA	2.0	1.2	1.5	1.2	1.5	0.9	0.4	0.4	0.2	0.5	Decreased (1999–2019)
Currently smoked cigarettes daily (on all 30 days during the 30 days before the survey)	NA	1.6	0.6	1.1	0.7	1.3	0.5	0.3	0.3	0.2	0.5	Decreased (1999–2019)
Ever used an electronic vapor product (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods)	NA	NA	NA	NA	NA	NA	NA	NA	26.3	27.0	30.6	Increased (2015–2019)
Currently used an electronic vapor product (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods on at least 1 day during the 30 days before the survey)	NA	NA	NA	NA	NA	NA	NA	NA	15.7	15.7	17.7	—
Currently used electronic vapor products frequently (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods on 20 or more days during the 30 days before the survey)	NA	NA	NA	NA	NA	NA	NA	NA	1.7	1.9	3.0	Increased (2015–2019)
Currently used electronic vapor products daily (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods on all 30 days during the 30 days before the survey)	NA	NA	NA	NA	NA	NA	NA	NA	1.2	1.2	2.3	Increased (2015–2019)

table continues

Table D2. 1997–2019 Hawai‘i Youth Risk Behavior Survey Public Middle School Trends cont.

Survey Item	1997 %	1999 %	2001 %	2003 %	2007 %	2009 %	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change
Alcohol and Other Drug Use												
Drank alcohol for the first time before age 11 years (other than a few sips)	NA	NA	NA	NA	16.9	16.7	16.3	11.0	10.6	12.1	11.4	Decreased (2007–2019)
Currently drank alcohol (at least one drink of alcohol on at least 1 day during the 30 days before the survey)	NA	NA	NA	NA	14.5	15.3	12.5	9.5	10.4	11.6	7.0	Decreased (2007–2019)
Had five or more drinks of alcohol in a row (within a couple of hours on at least 1 day during the 30 days before the survey)	NA	NA	NA	NA	NA	NA	7.7	4.4	5.3	5.4	4.6	Decreased (2011–2019)
Thought parents would feel it was a little bit wrong, wrong, or very wrong for them to drink beer, wine, or hard liquor regularly	NA	NA	NA	NA	NA	NA	89.1	90.0	87.8	87.8	88.1	—
Attended school under the influence of alcohol, marijuana, or other drugs (during the 12 months before the survey)	NA	NA	NA	NA	NA	NA	NA	NA	6.6	7.2	8.3	Increased (2015–2019)
Tried marijuana for the first time before age 11 years	NA	NA	NA	NA	4.4	4.3	4.7	3.5	3.3	3.6	2.9	Decreased (1999–2019)
Currently used marijuana (one or more times during the 30 days before the survey)	NA	NA	NA	NA	NA	NA	9.3	7.5	7.9	7.6	7.2	—
Ever used any form of cocaine (such as powder, crack, or freebase)	NA	NA	NA	NA	1.5	1.7	2.9	2.5	3.2	3.3	2.8	Increased (2007–2019)
Ever used methamphetamines (also called “speed,” “crystal,” “crank,” or “ice,” or “meth”)	NA	NA	NA	NA	1.5	1.7	2.6	2.5	2.7	2.1	3.7	Increased (2007–2019)
Sexual Behaviors												
Had sexual intercourse for the first time before age 11 years	NA	NA	NA	NA	1.9	3.3	3.5	2.5	2.3	2.7	2.4	—
Had sexual intercourse with three or more persons (during their life)	NA	NA	NA	NA	2.8	4.2	2.5	2.8	2.4	1.8	1.7	Decreased (2007–2019)

table continues

Table D2. 1997–2019 Hawai‘i Youth Risk Behavior Survey Public Middle School Trends cont.

Survey Item	1997 %	1999 %	2001 %	2003 %	2007 %	2009 %	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change
Weight and Nutrition												
Were trying to lose weight	44.5	46.7	49.3	48.5	51.1	51.4	47.8	49.9	47.6	45.8	48.9	—
Ate breakfast on all 7 days (during the 7 days before the survey)	NA	NA	NA	NA	NA	NA	NA	44.9	46.2	45.9	43.8	—
Did not eat breakfast (during the 7 days before the survey)	NA	NA	NA	NA	NA	NA	NA	10.9	12.6	11.6	13.6	Increased (2013–2019)
Went hungry most of the time or always because there was not enough food in their home (during the 30 days before the survey)	NA	NA	NA	NA	NA	NA	NA	NA	7.5	6.8	7.4	—
Physical Activity												
Were physically active at least 60 minutes per day in the past 7 days (activity that increased their heart rate and made them breathe hard)												
0 days	NA	NA	NA	NA	13.6	16.3	16.0	13.1	15.5	13.6	17.5	—
5 or more days	NA	NA	NA	NA	40.4	44.8	44.4	52.6	47.0	47.7	43.5	—
All 7 days	NA	NA	NA	NA	19.7	26.0	25.0	32.0	27.4	27.0	24.0	—
Did exercises to strengthen or tone their muscles on 3 or more days (such as push-ups, sit-ups, or weight lifting during the 7 days before the survey)	NA	NA	NA	NA	NA	NA	NA	52.2	48.5	50.6	44.0	Decreased (2013–2019)
Attended physical education (PE) classes on 1 or more days (in an average week when they were in school)	NA	NA	NA	NA	51.9	69.9	65.6	61.2	58.0	56.3	53.0	—
Attended physical education (PE) classes on all 5 days (in an average week when they were in school)	NA	NA	NA	NA	14.7	19.0	14.9	11.7	14.4	11.1	9.3	Decreased (2007–2019)
Played on at least one sports team (run by their school or community groups during the 12 months before the survey)	NA	NA	NA	NA	57.0	59.3	58.8	57.5	52.8	51.6	47.2	Decreased (2007–2019)
Watched 3 or more hours per day of television (on an average school day)	NA	NA	NA	43.3	39.5	39.8	39.4	33.2	28.3	23.6	23.8	Decreased (2003–2019)

table continues

Table D2. 1997–2019 Hawai‘i Youth Risk Behavior Survey Public Middle School Trends cont.

Survey Item	1997 %	1999 %	2001 %	2003 %	2007 %	2009 %	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change
Physical Activity cont.												
Played video or computer games or used a computer 3 or more hours per day (for something that was not school work on an average school day)	NA	NA	NA	NA	25.2	30.7	37.5	41.2	41.9	44.6	48.7	Increased (2007–2019)
Health												
Saw a dentist (for a check-up, exam, teeth cleaning, or other dental work during the 12 months before the survey)	NA	NA	NA	NA	NA	NA	NA	61.5	61.4	59.8	65.1	—
Protective Factors												
Were ever taught in school about AIDS or HIV infection	84.1	85.7	71.7	58.1	56.1	61.3	60.0	51.1	43.8	41.3	42.9	Decreased (1997–2019)
Had 8 or more hours of sleep (on an average school night)	NA	NA	NA	NA	NA	NA	NA	54.7	50.9	52.6	46.5	Decreased (2013–2019)
Talked with at least one of their parents or another adult in their family about the dangers of tobacco, alcohol, or drug use (during the 12 months before the survey)	NA	NA	NA	NA	NA	NA	43.0	34.4	36.2	39.9	38.5	—
Had parents or other adults in their family talk with them about what they expected them to do or not to do when it came to sex	NA	NA	NA	NA	NA	NA	NA	NA	34.3	28.4	30.1	Decreased (2015–2019)
Had at least one teacher or other adult in their school they could talk to if they had a problem	NA	NA	NA	NA	NA	NA	64.3	65.3	63.8	67.8	65.0	—
Had an adult outside of school they could talk to about things that were important to them	NA	NA	NA	NA	NA	NA	67.8	73.4	70.7	71.3	64.9	Decreased (2011–2019)
Described their grades in school as mostly A’s or B’s (during the 12 months before the survey)	NA	NA	NA	NA	NA	61.3	64.8	65.8	64.8	68.3	71.3	Increased (2009–2019)

Table D3. 2011–2019 Hawai‘i Youth Risk Behavior Survey Public Middle School Hawai‘i County Results and Trends (2011 *n* = 1,237; 2013 *n* = 1,221; 2015 *n* = 1,556; 2017 *n* = 1,605; and 2019 *n* = 1,569) and 2019 State Results (*n* = 6,591)

Survey Item	Hawai‘i County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change ^a	2019 vs. 2017 ^b	State %	Hawai‘i County vs. State ^b
Socio-Demographics									
Females	49.1	50.5	51.0	50.7	46.9	NA ^c	— ^d	47.8	—
Males	50.9	49.5	49.0	49.3	53.1	NA	—	52.2	—
Gay, lesbian, or bisexual	NA	NA	NA	6.0	10.0	NA	Increased	8.7	—
Transgender	NA	NA	NA	NA	1.9	NA	NA	1.4	—
Ethnicity/Race									
Filipino	17.5	18.4	16.5	16.7	15.6	NA	—	25.0	Less Likely
Hispanic/Latino	10.8	10.8	12.6	11.9	12.2	NA	—	6.7	More Likely
Native Hawaiian	36.9	38.1	39.6	40.5	37.4	NA	—	23.6	More Likely
Other Asian/Pacific Islander	8.8	7.1	6.3	6.7	7.5	NA	—	22.9	Less Likely
White	15.6	16.0	15.9	16.1	20.2	NA	—	16.5	—
All other races	0.9	0.6	0.5	0.3	0.6	NA	—	0.5	—
Multiple races	9.6	9.2	8.6	7.7	6.5	NA	—	4.8	More Likely
Did not describe themselves as only one race or ethnicity	NA	24.0	24.2	22.5	24.5	—	—	17.3	More Likely
Grade 6	24.7	26.2	27.8	26.3	27.0	NA	—	22.9	—
Grade 7	38.7	38.0	36.6	36.6	37.1	NA	—	39.6	—
Grade 8	36.3	35.7	35.4	36.8	35.8	NA	—	37.3	—

^aBased on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, *p* < 0.05

^bBased on *t*-test analysis, *p* < 0.05

^cNot available

^dNo statistically significant difference, *p* < 0.05

table continues

Table D3. 2011–2019 Hawai‘i YRBS Public Middle School Hawai‘i County Results and Trends and 2019 State Results cont.

Survey Item	Hawai‘i County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Hawai‘i County vs. State
Socio-Demographics cont.									
Reported that either of their parents or other adults in their family were serving on active duty in the military	NA	NA	NA	26.4	24.0	NA	—	28.3	—
Did not usually sleep in their parent’s or guardian’s home (during the 30 days before the survey)	NA	NA	NA	9.3	7.3	NA	—	5.8	More Likely
Injuries and Violence									
Ever rode in a car driven by someone, including themselves, who was “high” or had been using alcohol or drugs	NA	NA	NA	NA	30.2	NA	NA	24.5	More Likely
Were in a physical fight (one or more times during the 12 months before the survey)	26.9	27.9	25.6	20.7	22.0	Decreased	—	19.5	—
Did not go to school because they felt unsafe at school or on their way to or from school (during the 12 months before the survey)	7.5	10.6	11.7	10.0	14.0	Increased	Increased	10.3	More Likely
Were ever electronically bullied (counting being bullied through texting, Instagram, Facebook, or other social media)	25.3	25.5	23.6	24.3	21.7	Decreased	—	22.7	—
Ever electronically bullied someone (counting bullying through texting, Instagram, Facebook, or other social media)	NA	NA	16.4	13.0	10.6	Decreased	—	10.9	—
Were ever bullied on school property	44.7	50.6	52.2	48.0	44.6	—	—	37.8	More Likely
Strongly agreed or agreed that harassment and bullying by other students is a problem at their school	58.4	59.8	62.8	57.4	58.3	NA	—	56.9	—
Were ever physically forced to have sexual intercourse (when they did not want to)	5.0	6.2	5.7	3.3	4.4	Decreased	—	3.5	—

table continues

Table D3. 2011–2019 Hawai‘i YRBS Public Middle School Hawai‘i County Results and Trends and 2019 State Results cont.

Survey Item	Hawai‘i County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Hawai‘i County vs. State
Injuries and Violence cont.									
Were purposely controlled or emotionally hurt (counting being told who they could and could not spend time with, being humiliated in front of others, or being threatened if they did not do what they wanted by someone they were dating or going out with one or more times during the 12 months before the survey among students who dated or went out with someone)	NA	NA	20.6	28.2	21.1	—	Decreased	19.7	—
Experienced physical dating violence (counting being hit, slammed into something, or injured with an object or weapon on purpose by someone they were dating or going out with one or more times during the 12 months before the survey among students who dated or went out with someone)	NA	15.5	13.9	17.4	10.7	Decreased	Decreased	9.7	—
Physically hurt someone they were dating or going out with (counting hitting them, slamming them into something, or injuring them with an object or weapon on purpose one or more times during the 12 months before the survey among students who dated or went out with someone)	NA	NA	NA	18.8	8.7	NA	Decreased	8.7	—
Experienced sexual violence (counting being kissed, touched, or physically forced to have sexual intercourse by anyone one or more times during the past 12 months)	NA	NA	NA	7.9	7.0	NA	—	6.1	—
Mental Health and Suicide									
Ever purposely hurt themselves without wanting to die (such as cutting or burning themselves)	NA	21.8	23.1	20.8	24.5	—	—	25.4	—
Ever felt sad or hopeless (almost every day for 2 or more weeks in a row so that they stopped doing some usual activities)	27.0	29.5	31.1	28.4	30.2	—	—	30.5	—
Never or rarely got the kind of help they needed (among students who reported having felt sad, empty, hopeless, angry, or anxious)	NA	NA	NA	45.8	47.3	NA	—	48.3	—

table continues

Table D3. 2011–2019 Hawai‘i YRBS Public Middle School Hawai‘i County Results and Trends and 2019 State Results cont.

Survey Item	Hawai‘i County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Hawai‘i County vs. State
Mental Health and Suicide cont.									
Ever seriously thought about killing themselves	25.4	27.9	25.6	23.0	25.2	—	—	27.2	—
Ever made a plan about how they would kill themselves	18.2	19.1	17.9	17.8	18.5	—	—	18.7	—
Ever tried to kill themselves	12.3	12.6	11.3	12.1	14.2	—	—	13.0	—
Tried to kill themselves and attempt resulted in an injury, poisoning, or overdose that had to be treated by a doctor or nurse	11.1	12.4	9.8	15.1	10.6	NA	Decreased	9.6	—
Tobacco Use									
Ever tried cigarette smoking (even one or two puffs)	20.6	23.6	16.5	NA	12.7	NA	NA	10.5	—
First tried cigarette smoking before age 11 years (even one or two puffs)	NA	NA	NA	8.1	6.2	NA	—	5.0	—
Currently smoked cigarettes (on at least 1 day during the 30 days before the survey)	7.0	7.7	4.7	6.1	3.5	Decreased	Decreased	3.9	—
Currently smoked cigarettes frequently (on 20 or more days during the 30 days before the survey)	0.7	1.1	0.5	0.6	0.3	Decreased	—	0.5	—
Currently smoked cigarettes daily (on all 30 days during the 30 days before the survey)	0.6	0.6	0.3	0.5	0.1	Decreased	Decreased	0.5	Less Likely
Ever used an electronic vapor product (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods)	NA	NA	28.4	35.8	36.2	Increased	—	30.6	More Likely
First tried using an electronic vapor product before age 11 years (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods)	NA	NA	NA	NA	8.4	NA	NA	5.4	More Likely
Currently used an electronic vapor product (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods on at least 1 day during the 30 days before the survey)	NA	NA	15.7	23.0	20.3	Increased	—	17.7	—

table continues

Table D3. 2011–2019 Hawai‘i YRBS Public Middle School Hawai‘i County Results and Trends and 2019 State Results cont.

Survey Item	Hawai‘i County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Hawai‘i County vs. State
Tobacco Use cont.									
Currently used electronic vapor products frequently (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods on 20 or more days during the 30 days before the survey)	NA	NA	2.1	4.4	3.3	Increased	—	3.0	—
Currently used electronic vapor products daily (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods on all 30 days during the 30 days before the survey)	NA	NA	1.5	2.9	2.4	Increased	—	2.3	—
Usually got their own electronic vapor products by buying them in a store (during the 30 days before the survey among students who currently used electronic vapor products)	NA	NA	NA	NA	3.4	NA	NA	3.3	—
Currently smoked cigarettes or used electronic vapor products (on at least one day during the 30 days before the survey)	NA	NA	NA	24.8	21.6	NA	—	18.7	—
Alcohol and Other Drug Use									
Ever drank alcohol (other than a few sips)	38.3	34.1	29.5	31.2	34.0	NA	—	22.6	More Likely
Drank alcohol for the first time before age 11 years (other than a few sips)	19.8	17.4	13.7	17.5	18.4	—	—	11.4	More Likely
Currently drank alcohol (at least one drink of alcohol on at least 1 day during the 30 days before the survey)	16.5	15.0	13.5	14.3	11.9	Decreased	—	7.0	More Likely
Usually drank alcohol at their home or another person’s home (during the 30 days before the survey among students who currently drank alcohol)	NA	NA	NA	NA	83.0	NA	NA	77.0	—
Reported liquor as the type of alcohol they drank most often (during the 30 days before the survey among students who currently drank alcohol)	NA	NA	NA	NA	28.9	NA	NA	31.0	—

table continues

Table D3. 2011–2019 Hawai‘i YRBS Public Middle School Hawai‘i County Results and Trends and 2019 State Results cont.

Survey Item	Hawai‘i County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Hawai‘i County vs. State
Alcohol and Other Drug Use cont.									
Had five or more drinks of alcohol in a row (within a couple of hours on at least 1 day during the 30 days before the survey)	8.9	8.0	6.2	6.9	6.9	—	—	4.6	More Likely
Thought parents would feel it was a little bit wrong, wrong, or very wrong for them to drink beer, wine, or hard liquor regularly	85.5	87.0	85.8	87.3	83.6	—	Decreased	88.1	Less Likely
Attended school under the influence of alcohol, marijuana, or other drugs (during the 12 months before the survey)	NA	NA	7.4	10.3	10.2	Increased	—	8.3	More Likely
Ever used marijuana	20.9	18.7	14.0	17.6	15.6	NA	—	10.6	More Likely
Tried marijuana for the first time before age 11 years	8.1	5.8	5.3	6.3	4.2	Decreased	Decreased	2.9	More Likely
Currently used marijuana (one or more times during the 30 days before the survey)	13.5	14.6	10.6	12.2	9.6	Decreased	—	7.2	More Likely
Ever used any form of cocaine (such as powder, crack, or freebase)	2.8	4.0	3.6	4.0	3.1	—	—	2.8	—
Ever used methamphetamines (also called “speed,” “crystal,” “crank,” or “ice” or “meth”)	2.8	3.4	3.0	2.6	3.0	—	—	3.7	—
Ever took prescription pain medicine without a doctor’s prescription or differently than how a doctor told them to use it (such as codeine, Vicodin, OxyContin, Hydrocodone, and Percocet)	NA	NA	NA	7.9	10.6	NA	Increased	10.6	—
Currently took prescription pain medicine without a doctor’s prescription or differently than how a doctor told them to use it (such as codeine, Vicodin, OxyContin, Hydrocodone, and Percocet during the 30 days before the survey)	NA	NA	NA	NA	7.5	NA	NA	7.8	—
Ever used a needle to inject any illegal drug into their body (one or more times during their life)	NA	NA	NA	8.0	4.5	NA	Decreased	5.1	—

table continues

Table D3. 2011–2019 Hawai‘i YRBS Public Middle School Hawai‘i County Results and Trends and 2019 State Results cont.

Survey Item	Hawai‘i County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Hawai‘i County vs. State
Sexual Behaviors									
Ever had sexual intercourse	14.8	11.0	9.8	10.3	7.8	NA	—	6.5	—
Had sexual intercourse for the first time before age 11 years	4.5	3.6	4.6	4.2	3.6	—	—	2.4	More Likely
Had sexual intercourse with three or more persons (during their life)	5.3	4.2	3.1	2.5	2.1	Decreased	—	1.7	—
Used a condom during last sexual intercourse (among students who ever had sexual intercourse)	68.5	45.1	57.6	55.7	45.7	NA	—	44.2	—
Weight and Nutrition									
Tried to lose weight or keep from gaining weight (by going without eating for 24 hours or more; taking any diet pills, powders, or liquids; vomiting or taking laxatives; smoking cigarettes; or skipping meals during the 30 days before the survey)	NA	NA	NA	14.8	18.2	NA	—	19.9	—
Were trying to lose weight	48.9	53.3	47.0	47.6	48.5	—	—	48.9	—
Ate breakfast on all 7 days (during the 7 days before the survey)	NA	44.3	45.7	44.7	40.6	—	—	43.8	—
Did not eat breakfast (during the 7 days before the survey)	NA	13.0	14.4	11.9	14.0	—	—	13.6	—
Went hungry most of the time or always because there was not enough food in their home (during the 30 days before the survey)	NA	NA	7.7	6.5	6.5	—	—	7.4	—

table continues

Table D3. 2011–2019 Hawai‘i YRBS Public Middle School Hawai‘i County Results and Trends and 2019 State Results cont.

Survey Item	Hawai‘i County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Hawai‘i County vs. State
Physical Activity									
Were physically active at least 60 minutes per day in the past 7 days (activity that increased their heart rate and made them breathe hard)									
0 days	16.8	10.4	14.7	13.7	16.3	—	—	17.5	—
5 or more days	44.9	54.5	48.6	48.9	46.2	—	—	43.5	—
All 7 days	27.2	34.4	27.5	30.9	28.9	—	—	24.0	More Likely
Did exercises to strengthen or tone their muscles on 3 or more days (such as push-ups, sit-ups, or weight lifting during the 7 days before the survey)	NA	57.1	49.7	53.7	48.3	Decreased	Decreased	44.0	More Likely
Attended physical education (PE) classes on 1 or more days (in an average week when they were in school)	54.7	55.3	59.4	55.5	51.8	—	—	53.0	—
Attended physical education (PE) classes on all 5 days (in an average week when they were in school)	5.1	9.0	10.2	6.9	7.5	—	—	9.3	—
Agreed or disagreed that the physical education (PE) classes they took offered a variety of physical activities (during the 12 months before the survey)	NA	NA	NA	NA	79.3	NA	NA	78.4	—
Were usually physically active at least half of the time during physical education (PE) classes (during the 12 months before the survey)	NA	NA	NA	NA	90.6	NA	NA	91.6	—
Reported that their classroom teachers provided short physical activity breaks during regular class time (not counting their physical education teacher, during the 12 months before the survey)	NA	NA	NA	NA	29.3	NA	NA	33.1	—
Played on at least one sports team (run by their school or community groups during the 12 months before the survey)	59.4	59.2	56.1	56.0	49.7	Decreased	Decreased	47.2	—

table continues

Table D3. 2011–2019 Hawai‘i YRBS Public Middle School Hawai‘i County Results and Trends and 2019 State Results cont.

Survey Item	Hawai‘i County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Hawai‘i County vs. State
Physical Activity cont.									
Watched 3 or more hours per day of television (on an average school day)	35.3	34.7	26.0	24.6	25.1	Decreased	—	23.8	—
Played video or computer games or used a computer 3 or more hours per day (for something that was not school work on an average school day)	33.5	38.5	37.4	43.0	46.0	Increased	—	48.7	—
Rode their bike or walked to or from school on 1 or more days (in an average week when they were in school and the weather allowed them to do so)	NA	NA	NA	NA	23.9	NA	NA	38.4	Less Likely
Health									
Saw a dentist (for a check-up, exam, teeth cleaning, or other dental work during the 12 months before the survey)	NA	60.8	61.1	56.7	64.0	—	Increased	65.1	—
Never saw a dentist (for a check-up, exam, teeth cleaning, or other dental work)	NA	1.5	2.8	2.8	2.1	NA	—	1.4	—
Missed school because of problems with their teeth or mouth (one or more times during the 12 months before the survey)	NA	NA	NA	NA	25.7	NA	NA	21.4	More Likely
Did not go to school because they were sick (one or more times during the 30 days before the survey)	NA	NA	NA	49.0	55.5	NA	Increased	53.1	—
Had a concussion from playing a sport or being physically active (one or more times during the 12 months before the survey)	NA	NA	NA	22.3	19.4	NA	—	17.7	—
Protective Factors									
Were ever taught in school about sexually transmitted diseases (STDs)	NA	NA	NA	NA	52.3	NA	NA	44.7	—
Were ever taught in school about the benefits of not having sexual intercourse to prevent pregnancy and sexually transmitted diseases (STDs)	NA	NA	NA	NA	43.9	NA	NA	40.7	—

table continues

Table D3. 2011–2019 Hawai‘i YRBS Public Middle School Hawai‘i County Results and Trends and 2019 State Results cont.

Survey Item	Hawai‘i County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Hawai‘i County vs. State
Protective Factors cont.									
Were ever taught in school about AIDS or HIV infection	62.9	58.9	41.8	46.3	50.8	Decreased	—	42.9	More Likely
Wore sunscreen most of the time or always (with an SPF of 15 or higher when they were outside for more than one hour on a sunny day)	NA	NA	NA	10.2	12.2	NA	—	12.5	—
Had 8 or more hours of sleep (on an average school night)	NA	58.1	52.9	53.6	47.2	Decreased	Decreased	46.5	—
Talked with at least one of their parents or another adult in their family about the dangers of tobacco, alcohol, or drug use (during the 12 months before the survey)	46.3	38.7	39.6	39.2	39.0	Decreased	—	38.5	—
Had parents or other adults in their family talk with them about what they expected them to do or not to do when it came to sex	NA	NA	39.3	35.9	31.9	Decreased	—	30.1	—
Ever had a parent or other adults in their family talk with them about how to say no to having sex	NA	NA	NA	28.7	25.0	NA	—	23.7	—
Had at least one teacher or other adult in their school they could talk to if they had a problem	67.8	66.0	66.2	69.7	65.7	—	—	65.0	—
Had a teacher or some other adult at their school who really cared about them	NA	NA	NA	56.5	49.7	NA	Decreased	49.9	—
Had an adult outside of school they could talk to about things that were important to them	70.7	71.9	74.0	75.1	68.5	—	Decreased	64.9	More Likely
Described their grades in school as mostly A’s or B’s (during the 12 months before the survey)	66.1	70.9	68.8	71.2	71.7	—	—	71.3	—
Thought they probably or definitely would complete high school	84.0	86.5	83.7	82.0	80.2	NA	—	81.3	—

Table D4. 2011–2019 Hawai‘i Youth Risk Behavior Survey Public Middle School Honolulu County Results and Trends (2011 *n* = 1,703; 2013 *n* = 1,606; 2015 *n* = 1,975; 2017 *n* = 1,989 and 2019 *n* = 2,065) and 2019 State Results (*n* = 6,591)

Survey Item	Honolulu County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change ^a	2019 vs. 2017 ^b	State %	Honolulu County vs. State ^b
Socio-Demographics									
Females	49.5	49.7	50.0	49.8	47.9	NA ^c	— ^d	47.8	—
Males	50.5	50.3	50.0	50.2	52.1	NA	—	52.2	—
Gay, lesbian, or bisexual	NA	NA	NA	7.6	8.9	NA	—	8.7	—
Transgender	NA	NA	NA	NA	1.2	NA	NA	1.4	—
Ethnicity/Race									
Filipino	26.0	26.2	26.0	25.5	25.3	NA	—	25.0	—
Hispanic/Latino	10.8	4.4	7.4	4.1	3.6	NA	—	6.7	Less Likely
Native Hawaiian	20.4	20.3	20.6	19.4	19.0	NA	—	23.6	Less Likely
Other Asian/Pacific Islander	14.0	31.2	24.3	32.3	31.8	NA	—	22.9	More Likely
White	11.5	12.7	13.0	15.2	16.5	NA	—	16.5	—
All other races	2.8	0.6	1.4	0.6	0.5	NA	—	0.5	—
Multiple races	14.5	4.6	7.4	2.9	3.2	NA	—	4.8	Less Likely
Did not describe themselves as only one race or ethnicity	NA	16.7	16.4	18.4	15.7	—	—	17.3	Less Likely
Grade 6	18.2	18.1	14.7	19.3	18.6	NA	—	22.9	—
Grade 7	41.4	42.8	44.5	41.6	41.8	NA	—	39.6	—
Grade 8	40.0	39.0	40.3	38.8	39.2	NA	—	37.3	—

^aBased on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, *p* < 0.05

^bBased on *t*-test analysis, *p* < 0.05

^cNot available

^dNo statistically significant difference, *p* < 0.05

table continues

Table D4. 2011–2019 Hawai‘i YRBS Public Middle School Honolulu County Results and Trends and 2019 State Results cont.

Survey Item	Honolulu County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Honolulu County vs. State
Socio-Demographics cont.									
Reported that either of their parents or other adults in their family were serving on active duty in the military	NA	NA	NA	31.5	31.7	NA	—	28.3	More Likely
Did not usually sleep in their parent’s or guardian’s home (during the 30 days before the survey)	NA	NA	NA	6.2	5.0	NA	—	5.8	Less Likely
Injuries and Violence									
Ever rode in a car driven by someone, including themselves, who was “high” or had been using alcohol or drugs	NA	NA	NA	NA	22.4	NA	NA	24.5	Less Likely
Were in a physical fight (one or more times during the 12 months before the survey)	24.6	20.2	20.3	16.1	18.8	Decreased	—	19.5	—
Did not go to school because they felt unsafe at school or on their way to or from school (during the 12 months before the survey)	6.2	7.4	9.3	9.3	9.6	Increased	—	10.3	—
Were ever electronically bullied (counting being bullied through texting, Instagram, Facebook, or other social media)	23.3	22.5	25.5	22.0	22.7	—	—	22.7	—
Ever electronically bullied someone (counting bullying through texting, Instagram, Facebook, or other social media)	NA	NA	15.9	10.2	10.8	Decreased	—	10.9	—
Were ever bullied on school property	39.6	42.7	42.8	37.2	34.1	Decreased	—	37.8	Less Likely
Strongly agreed or agreed that harassment and bullying by other students is a problem at their school	57.4	60.9	57.1	52.7	54.8	NA	—	56.9	Less Likely
Were ever physically forced to have sexual intercourse (when they did not want to)	3.7	4.0	4.0	2.5	3.2	—	—	3.5	—

table continues

Table D4. 2011–2019 Hawai‘i YRBS Public Middle School Honolulu County Results and Trends and 2019 State Results cont.

Survey Item	Honolulu County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Honolulu County vs. State
Injuries and Violence cont.									
Were purposely controlled or emotionally hurt (counting being told who they could and could not spend time with, being humiliated in front of others, or being threatened if they did not do what they wanted by someone they were dating or going out with one or more times during the 12 months before the survey among students who dated or went out with someone)	NA	NA	22.7	29.7	19.8	—	Decreased	19.7	—
Experienced physical dating violence (counting being hit, slammed into something, or injured with an object or weapon on purpose by someone they were dating or going out with one or more times during the 12 months before the survey among students who dated or went out with someone)	NA	13.2	16.6	20.8	10.3	—	Decreased	9.7	—
Physically hurt someone they were dating or going out with (counting hitting them, slamming them into something, or injuring them with an object or weapon on purpose one or more times during the 12 months before the survey among students who dated or went out with someone)	NA	NA	NA	20.5	9.3	NA	Decreased	8.7	—
Experienced sexual violence (counting being kissed, touched, or physically forced to have sexual intercourse by anyone one or more times during the past 12 months)	NA	NA	NA	6.1	6.1	NA	—	6.1	—
Mental Health and Suicide									
Ever purposely hurt themselves without wanting to die (such as cutting or burning themselves)	NA	19.6	23.0	22.2	25.6	Increased	—	25.4	—
Ever felt sad or hopeless (almost every day for 2 or more weeks in a row so that they stopped doing some usual activities)	25.1	25.9	29.3	27.1	30.1	Increased	—	30.5	—
Never or rarely got the kind of help they needed (among students who reported having felt sad, empty, hopeless, angry, or anxious)	NA	NA	NA	45.3	48.8	NA	—	48.3	—

table continues

Table D4. 2011–2019 Hawai‘i YRBS Public Middle School Honolulu County Results and Trends and 2019 State Results cont.

Survey Item	Honolulu County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Honolulu County vs. State
Mental Health and Suicide cont.									
Ever seriously thought about killing themselves	22.3	25.3	24.5	23.1	27.0	—	—	27.2	—
Ever made a plan about how they would kill themselves	15.3	16.8	17.4	16.1	19.1	Increased	Increased	18.7	—
Ever tried to kill themselves	8.7	12.8	12.7	12.6	12.8	Increased	—	13.0	—
Tried to kill themselves and attempt resulted in an injury, poisoning, or overdose that had to be treated by a doctor or nurse	10.0	11.5	11.3	11.1	9.4	NA	—	9.6	—
Tobacco Use									
Ever tried cigarette smoking (even one or two puffs)	18.6	15.3	14.4	NA	10.1	NA	NA	10.5	—
First tried cigarette smoking before age 11 years (even one or two puffs)	NA	NA	NA	5.3	5.0	NA	—	5.0	—
Currently smoked cigarettes (on at least 1 day during the 30 days before the survey)	7.4	5.0	5.0	4.8	4.1	Decreased	—	3.9	—
Currently smoked cigarettes frequently (on 20 or more days during the 30 days before the survey)	0.9	0.2	0.4	0.1	0.5	—	—	0.5	—
Currently smoked cigarettes daily (on all 30 days during the 30 days before the survey)	0.5	0.1	0.3	0.0	0.5	—	—	0.5	—
Ever used an electronic vapor product (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods)	NA	NA	25.3	23.8	28.1	—	—	30.6	—
First tried using an electronic vapor product before age 11 years (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods)	NA	NA	NA	NA	4.2	NA	NA	5.4	Less Likely
Currently used an electronic vapor product (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods on at least 1 day during the 30 days before the survey)	NA	NA	15.4	13.4	16.4	—	—	17.7	—

table continues

Table D4. 2011–2019 Hawai‘i YRBS Public Middle School Honolulu County Results and Trends and 2019 State Results cont.

Survey Item	Honolulu County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Honolulu County vs. State
Tobacco Use cont.									
Currently used electronic vapor products frequently (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods on 20 or more days during the 30 days before the survey)	NA	NA	1.4	1.3	2.7	Increased	Increased	3.0	—
Currently used electronic vapor products daily (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods on all 30 days during the 30 days before the survey)	NA	NA	0.9	0.8	2.2	Increased	Increased	2.3	—
Usually got their own electronic vapor products by buying them in a store (during the 30 days before the survey among students who currently used electronic vapor products)	NA	NA	NA	NA	3.8	NA	NA	3.3	—
Currently smoked cigarettes or used electronic vapor products (on at least one day during the 30 days before the survey)	NA	NA	NA	15.4	17.5	NA	—	18.7	—
Alcohol and Other Drug Use									
Ever drank alcohol (other than a few sips)	31.6	22.4	22.3	21.2	19.5	NA	—	22.6	Less Likely
Drank alcohol for the first time before age 11 years (other than a few sips)	15.4	9.5	9.8	10.6	9.7	Decreased	—	11.4	Less Likely
Currently drank alcohol (at least one drink of alcohol on at least 1 day during the 30 days before the survey)	11.9	7.9	9.2	10.7	5.5	Decreased	Decreased	7.0	Less Likely
Usually drank alcohol at their home or another person’s home (during the 30 days before the survey among students who currently drank alcohol)	NA	NA	NA	NA	79.3	NA	NA	77.0	—
Reported liquor as the type of alcohol they drank most often (during the 30 days before the survey among students who currently drank alcohol)	NA	NA	NA	NA	27.9	NA	NA	31.0	—

table continues

Table D4. 2011–2019 Hawai‘i YRBS Public Middle School Honolulu County Results and Trends and 2019 State Results cont.

Survey Item	Honolulu County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Honolulu County vs. State
Alcohol and Other Drug Use cont.									
Had five or more drinks of alcohol in a row (within a couple of hours on at least 1 day during the 30 days before the survey)	7.7	3.6	4.8	4.8	3.8	—	—	4.6	Less Likely
Thought parents would feel it was a little bit wrong, wrong, or very wrong for them to drink beer, wine, or hard liquor regularly	90.2	90.8	88.0	87.5	89.2	—	—	88.1	More Likely
Attended school under the influence of alcohol, marijuana, or other drugs (during the 12 months before the survey)	NA	NA	6.4	6.4	7.3	—	—	8.3	Less Likely
Ever used marijuana	11.0	7.9	8.4	10.3	8.8	NA	—	10.6	Less Likely
Tried marijuana for the first time before age 11 years	3.8	2.8	2.7	2.9	2.2	—	—	2.9	Less Likely
Currently used marijuana (one or more times during the 30 days before the survey)	8.5	6.0	7.0	6.6	6.2	—	—	7.2	Less Likely
Ever used any form of cocaine (such as powder, crack, or freebase)	3.0	2.4	3.1	3.4	2.8	—	—	2.8	—
Ever used methamphetamines (also called “speed,” “crystal,” “crank,” or “ice” or “meth”)	2.7	2.5	2.6	1.9	3.8	—	Increased	3.7	—
Ever took prescription pain medicine without a doctor’s prescription or differently than how a doctor told them to use it (such as codeine, Vicodin, OxyContin, Hydrocodone, and Percocet)	NA	NA	NA	6.4	10.4	NA	Increased	10.6	—
Currently took prescription pain medicine without a doctor’s prescription or differently than how a doctor told them to use it (such as codeine, Vicodin, OxyContin, Hydrocodone, and Percocet during the 30 days before the survey)	NA	NA	NA	NA	7.8	NA	NA	7.8	—
Ever used a needle to inject any illegal drug into their body (one or more times during their life)	NA	NA	NA	7.1	5.5	NA	—	5.1	—

table continues

Table D4. 2011–2019 Hawai‘i YRBS Public Middle School Honolulu County Results and Trends and 2019 State Results cont.

Survey Item	Honolulu County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Honolulu County vs. State
Sexual Behaviors									
Ever had sexual intercourse	9.3	8.2	5.9	6.2	5.9	NA	—	6.5	—
Had sexual intercourse for the first time before age 11 years	3.4	2.0	1.7	2.3	2.1	—	—	2.4	—
Had sexual intercourse with three or more persons (during their life)	2.0	2.5	2.3	1.5	1.4	Decreased	—	1.7	—
Used a condom during last sexual intercourse (among students who ever had sexual intercourse)	63.3	52.1	53.7	50.5	40.9	NA	—	44.2	—
Weight and Nutrition									
Tried to lose weight or keep from gaining weight (by going without eating for 24 hours or more; taking any diet pills, powders, or liquids; vomiting or taking laxatives; smoking cigarettes; or skipping meals during the 30 days before the survey)	NA	NA	NA	13.7	20.6	NA	Increased	19.9	—
Were trying to lose weight	46.8	49.6	47.2	44.6	48.7	—	—	48.9	—
Ate breakfast on all 7 days (during the 7 days before the survey)	NA	44.0	45.9	46.3	44.3	—	—	43.8	—
Did not eat breakfast (during the 7 days before the survey)	NA	10.7	12.3	11.3	13.8	—	—	13.6	—
Went hungry most of the time or always because there was not enough food in their home (during the 30 days before the survey)	NA	NA	7.3	7.0	7.6	—	—	7.4	—

table continues

Table D4. 2011–2019 Hawai'i YRBS Public Middle School Honolulu County Results and Trends and 2019 State Results cont.

Survey Item	Honolulu County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Honolulu County vs. State
Physical Activity									
Were physically active at least 60 minutes per day in the past 7 days (activity that increased their heart rate and made them breathe hard)									
0 days	16.4	14.4	15.7	14.3	18.2	—	—	17.5	—
5 or more days	43.9	52.6	46.0	46.6	42.0	—	—	43.5	—
All 7 days	23.8	31.6	26.8	25.7	22.3	Decreased	—	24.0	Less Likely
Did exercises to strengthen or tone their muscles on 3 or more days (such as push-ups, sit-ups, or weight lifting during the 7 days before the survey)	NA	50.0	46.9	49.8	41.7	Decreased	Decreased	44.0	Less Likely
Attended physical education (PE) classes on 1 or more days (in an average week when they were in school)	65.2	60.1	55.7	54.7	51.6	Decreased	—	53.0	—
Attended physical education (PE) classes on all 5 days (in an average week when they were in school)	18.3	12.8	13.1	11.7	9.7	—	—	9.3	—
Agreed or disagreed that the physical education (PE) classes they took offered a variety of physical activities (during the 12 months before the survey)	NA	NA	NA	NA	78.3	NA	NA	78.4	—
Were usually physically active at least half of the time during physical education (PE) classes (during the 12 months before the survey)	NA	NA	NA	NA	91.7	NA	NA	91.6	—
Reported that their classroom teachers provided short physical activity breaks during regular class time (not counting their physical education teacher, during the 12 months before the survey)	NA	NA	NA	NA	32.9	NA	NA	33.1	—
Played on at least one sports team (run by their school or community groups during the 12 months before the survey)	58.2	56.9	52.5	49.2	45.3	Decreased	—	47.2	Less Likely

table continues

Table D4. 2011–2019 Hawai‘i YRBS Public Middle School Honolulu County Results and Trends and 2019 State Results cont.

Survey Item	Honolulu County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Honolulu County vs. State
Physical Activity cont.									
Watched 3 or more hours per day of television (on an average school day)	41.4	32.7	29.1	23.7	23.3	Decreased	—	23.8	—
Played video or computer games or used a computer 3 or more hours per day (for something that was not school work on an average school day)	40.5	42.3	43.1	44.1	50.4	Increased	Increased	48.7	More Likely
Rode their bike or walked to or from school on 1 or more days (in an average week when they were in school and the weather allowed them to do so)	NA	NA	NA	NA	43.6	NA	NA	38.4	More Likely
Health									
Saw a dentist (for a check-up, exam, teeth cleaning, or other dental work during the 12 months before the survey)	NA	61.2	62.8	60.5	65.6	—	—	65.1	—
Never saw a dentist (for a check-up, exam, teeth cleaning, or other dental work)	NA	2.5	2.8	2.8	1.2	NA	Decreased	1.4	—
Missed school because of problems with their teeth or mouth (one or more times during the 12 months before the survey)	NA	NA	NA	NA	20.4	NA	NA	21.4	—
Did not go to school because they were sick (one or more times during the 30 days before the survey)	NA	NA	NA	42.3	51.4	NA	Increased	53.1	—
Had a concussion from playing a sport or being physically active (one or more times during the 12 months before the survey)	NA	NA	NA	18.4	16.9	NA	—	17.7	—
Protective Factors									
Were ever taught in school about sexually transmitted diseases (STDs)	NA	NA	NA	NA	39.3	NA	NA	44.7	—
Were ever taught in school about the benefits of not having sexual intercourse to prevent pregnancy and sexually transmitted diseases (STDs)	NA	NA	NA	NA	36.1	NA	NA	40.7	—

table continues

Table D4. 2011–2019 Hawai‘i YRBS Public Middle School Honolulu County Results and Trends and 2019 State Results cont.

Survey Item	Honolulu County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Honolulu County vs. State
Protective Factors cont.									
Were ever taught in school about AIDS or HIV infection	60.4	46.1	44.2	39.3	38.9	Decreased	—	42.9	Less Likely
Wore sunscreen most of the time or always (with an SPF of 15 or higher when they were outside for more than one hour on a sunny day)	NA	NA	NA	11.6	13.0	NA	—	12.5	—
Had 8 or more hours of sleep (on an average school night)	NA	52.9	48.9	52.0	44.5	Decreased	—	46.5	Less Likely
Talked with at least one of their parents or another adult in their family about the dangers of tobacco, alcohol, or drug use (during the 12 months before the survey)	41.7	32.7	34.3	39.2	37.4	—	—	38.5	—
Had parents or other adults in their family talk with them about what they expected them to do or not to do when it came to sex	NA	NA	32.9	25.9	29.0	Decreased	—	30.1	—
Ever had a parent or other adults in their family talk with them about how to say no to having sex	NA	NA	NA	22.7	22.5	NA	—	23.7	—
Had at least one teacher or other adult in their school they could talk to if they had a problem	63.2	65.6	63.3	67.9	65.2	—	—	65.0	—
Had a teacher or some other adult at their school who really cared about them	NA	NA	NA	51.7	50.6	NA	—	49.9	—
Had an adult outside of school they could talk to about things that were important to them	66.3	73.2	69.7	70.2	64.0	—	Decreased	64.9	—
Described their grades in school as mostly A’s or B’s (during the 12 months before the survey)	62.9	62.8	62.5	66.1	69.6	Increased	—	71.3	—
Thought they probably or definitely would complete high school	85.0	86.6	84.8	80.7	81.2	NA	—	81.3	—

Table D5. 2011–2019 Hawai‘i Youth Risk Behavior Survey Public Middle School Kaua‘i County Results and Trends (2011 *n* = 965; 2013 *n* = 944; 2015 *n* = 1,258; 2017 *n* = 1,243; and 2019 *n* = 1,227) and 2019 State Results (*n* = 6,591)

Survey Item	Kaua‘i County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change ^a	2019 vs. 2017 ^b	State %	Kaua‘i County vs. State ^b
Socio-Demographics									
Females	51.8	52.6	49.7	50.6	47.5	NA ^c	— ^d	47.8	—
Males	48.2	47.4	50.3	49.4	52.5	NA	—	52.2	—
Gay, lesbian, or bisexual	NA	NA	NA	6.9	6.9	NA	—	8.7	—
Transgender	NA	NA	NA	NA	1.6	NA	NA	1.4	—
Ethnicity/Race									
Filipino	28.3	29.8	29.8	30.2	30.7	NA	—	25.0	—
Hispanic/Latino	11.6	13.2	15.4	12.9	17.1	NA	Increased	6.7	More Likely
Native Hawaiian	29.3	31.3	30.8	32.4	29.6	NA	—	23.6	More Likely
Other Asian/Pacific Islander	3.6	4.6	4.8	4.3	5.5	NA	—	22.9	Less Likely
White	17.3	7.9	5.5	5.2	5.5	NA	—	16.5	Less Likely
All other races	0.7	0.7	0.6	1.1	0.4	NA	Decreased	0.5	—
Multiple races	9.0	12.6	13.1	13.7	11.2	NA	—	4.8	More Likely
Did not describe themselves as only one race or ethnicity	NA	24.0	21.6	24.0	21.6	—	—	17.3	More Likely
Grade 6	32.5	30.2	33.9	32.7	33.5	NA	—	22.9	—
Grade 7	34.5	34.6	33.3	33.6	32.9	NA	—	39.6	—
Grade 8	32.6	35.0	32.3	33.6	33.3	NA	—	37.3	—

^aBased on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, *p* < 0.05

^bBased on *t*-test analysis, *p* < 0.05

^cNot available

^dNo statistically significant difference, *p* < 0.05

table continues

Table D5. 2011–2019 Hawai‘i YRBS Public Middle School Kaua‘i County Results and Trends and 2019 State Results cont.

Survey Item	Kaua‘i County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Kaua‘i County vs. State
Socio-Demographics cont.									
Reported that either of their parents or other adults in their family were serving on active duty in the military	NA	NA	NA	20.0	22.7	NA	—	28.3	—
Did not usually sleep in their parent’s or guardian’s home (during the 30 days before the survey)	NA	NA	NA	7.3	6.5	NA	—	5.8	—
Injuries and Violence									
Ever rode in a car driven by someone, including themselves, who was “high” or had been using alcohol or drugs	NA	NA	NA	NA	28.0	NA	NA	24.5	—
Were in a physical fight (one or more times during the 12 months before the survey)	23.2	20.7	20.3	17.6	23.6	—	Increased	19.5	More Likely
Did not go to school because they felt unsafe at school or on their way to or from school (during the 12 months before the survey)	7.5	9.2	8.8	8.3	10.4	Increased	—	10.3	—
Were ever electronically bullied (counting being bullied through texting, Instagram, Facebook, or other social media)	19.8	26.1	24.6	24.1	24.3	—	—	22.7	—
Ever electronically bullied someone (counting bullying through texting, Instagram, Facebook, or other social media)	NA	NA	14.2	11.9	11.2	Decreased	—	10.9	—
Were ever bullied on school property	40.4	44.7	46.2	46.2	48.5	Increased	—	37.8	More Likely
Strongly agreed or agreed that harassment and bullying by other students is a problem at their school	62.1	64.1	62.4	56.8	66.0	NA	Increased	56.9	More Likely
Were ever physically forced to have sexual intercourse (when they did not want to)	2.5	4.3	4.3	3.3	3.8	—	—	3.5	—

table continues

Table D5. 2011–2019 Hawai‘i YRBS Public Middle School Kaua‘i County Results and Trends and 2019 State Results cont.

Survey Item	Kaua‘i County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Kaua‘i County vs. State
Injuries and Violence cont.									
Were purposely controlled or emotionally hurt (counting being told who they could and could not spend time with, being humiliated in front of others, or being threatened if they did not do what they wanted by someone they were dating or going out with one or more times during the 12 months before the survey among students who dated or went out with someone)	NA	NA	19.9	27.9	17.8	—	Decreased	19.7	—
Experienced physical dating violence (counting being hit, slammed into something, or injured with an object or weapon on purpose by someone they were dating or going out with one or more times during the 12 months before the survey among students who dated or went out with someone)	NA	17.0	16.5	19.3	7.7	Decreased	Decreased	9.7	—
Physically hurt someone they were dating or going out with (counting hitting them, slamming them into something, or injuring them with an object or weapon on purpose one or more times during the 12 months before the survey among students who dated or went out with someone)	NA	NA	NA	19.4	6.6	NA	Decreased	8.7	—
Experienced sexual violence (counting being kissed, touched, or physically forced to have sexual intercourse by anyone one or more times during the past 12 months)	NA	NA	NA	5.7	5.9	NA	—	6.1	—
Mental Health and Suicide									
Ever purposely hurt themselves without wanting to die (such as cutting or burning themselves)	NA	17.4	21.0	21.5	26.3	Increased	Increased	25.4	—
Ever felt sad or hopeless (almost every day for 2 or more weeks in a row so that they stopped doing some usual activities)	27.0	23.0	25.3	25.8	32.6	Increased	Increased	30.5	—
Never or rarely got the kind of help they needed (among students who reported having felt sad, empty, hopeless, angry, or anxious)	NA	NA	NA	47.7	50.1	NA	—	48.3	—

table continues

Table D5. 2011–2019 Hawai‘i YRBS Public Middle School Kaua‘i County Results and Trends and 2019 State Results cont.

Survey Item	Kaua‘i County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Kaua‘i County vs. State
Mental Health and Suicide cont.									
Ever seriously thought about killing themselves	19.2	24.5	22.6	21.4	28.9	Increased	Increased	27.2	—
Ever made a plan about how they would kill themselves	12.4	16.2	17.5	16.0	17.7	Increased	—	18.7	—
Ever tried to kill themselves	8.1	10.6	12.9	11.4	12.6	Increased	—	13.0	—
Tried to kill themselves and attempt resulted in an injury, poisoning, or overdose that had to be treated by a doctor or nurse	12.6	14.3	11.7	12.1	9.8	NA	—	9.6	—
Tobacco Use									
Ever tried cigarette smoking (even one or two puffs)	15.4	16.7	14.6	NA	10.9	NA	NA	10.5	—
First tried cigarette smoking before age 11 years (even one or two puffs)	NA	NA	NA	6.7	5.2	NA	—	5.0	—
Currently smoked cigarettes (on at least 1 day during the 30 days before the survey)	5.8	4.2	4.8	5.8	4.2	—	—	3.9	—
Currently smoked cigarettes frequently (on 20 or more days during the 30 days before the survey)	0.7	1.3	0.7	0.5	0.9	—	—	0.5	—
Currently smoked cigarettes daily (on all 30 days during the 30 days before the survey)	0.3	1.3	0.7	0.3	0.7	—	—	0.5	—
Ever used an electronic vapor product (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods)	NA	NA	24.9	30.0	37.1	Increased	Increased	30.6	More Likely
First tried using an electronic vapor product before age 11 years (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods)	NA	NA	NA	NA	7.8	NA	NA	5.4	More Likely
Currently used an electronic vapor product (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods on at least 1 day during the 30 days before the survey)	NA	NA	12.9	18.5	22.5	Increased	Increased	17.7	More Likely

table continues

Table D5. 2011–2019 Hawai‘i YRBS Public Middle School Kaua‘i County Results and Trends and 2019 State Results cont.

Survey Item	Kaua‘i County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Kaua‘i County vs. State
Tobacco Use cont.									
Currently used electronic vapor products frequently (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods on 20 or more days during the 30 days before the survey)	NA	NA	2.0	1.7	5.9	Increased	Increased	3.0	More Likely
Currently used electronic vapor products daily (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods on all 30 days during the 30 days before the survey)	NA	NA	1.5	1.5	3.5	Increased	Increased	2.3	More Likely
Usually got their own electronic vapor products by buying them in a store (during the 30 days before the survey among students who currently used electronic vapor products)	NA	NA	NA	NA	1.4	NA	NA	3.3	—
Currently smoked cigarettes or used electronic vapor products (on at least one day during the 30 days before the survey)	NA	NA	NA	20.2	23.3	NA	—	18.7	More Likely
Alcohol and Other Drug Use									
Ever drank alcohol (other than a few sips)	28.7	25.3	25.7	26.1	27.1	NA	—	22.6	More Likely
Drank alcohol for the first time before age 11 years (other than a few sips)	14.2	14.5	13.3	13.7	14.2	—	—	11.4	More Likely
Currently drank alcohol (at least one drink of alcohol on at least 1 day during the 30 days before the survey)	10.5	12.2	13.8	13.5	9.4	—	Decreased	7.0	More Likely
Usually drank alcohol at their home or another person’s home (during the 30 days before the survey among students who currently drank alcohol)	NA	NA	NA	NA	62.6	NA	NA	77.0	Less Likely
Reported liquor as the type of alcohol they drank most often (during the 30 days before the survey among students who currently drank alcohol)	NA	NA	NA	NA	NR ^e	NA	NA	31.0	NA

^e Not reported

table continues

Table D5. 2011–2019 Hawai‘i YRBS Public Middle School Kaua‘i County Results and Trends and 2019 State Results cont.

Survey Item	Kaua‘i County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Kaua‘i County vs. State
Alcohol and Other Drug Use cont.									
Had five or more drinks of alcohol in a row (within a couple of hours on at least 1 day during the 30 days before the survey)	5.1	5.7	7.0	7.2	6.6	—	—	4.6	More Likely
Thought parents would feel it was a little bit wrong, wrong, or very wrong for them to drink beer, wine, or hard liquor regularly	88.4	86.4	87.9	88.1	87.0	—	—	88.1	—
Attended school under the influence of alcohol, marijuana, or other drugs (during the 12 months before the survey)	NA	NA	5.0	7.7	10.8	Increased	—	8.3	More Likely
Ever used marijuana	11.8	12.8	11.5	13.9	15.5	NA	—	10.6	More Likely
Tried marijuana for the first time before age 11 years	3.1	4.5	4.5	4.1	5.3	—	—	2.9	More Likely
Currently used marijuana (one or more times during the 30 days before the survey)	7.6	8.1	8.7	7.7	10.7	—	—	7.2	More Likely
Ever used any form of cocaine (such as powder, crack, or freebase)	2.0	3.3	3.6	3.0	3.6	—	—	2.8	—
Ever used methamphetamines (also called “speed,” “crystal,” “crank,” or “ice” or “meth”)	2.1	2.8	3.0	2.5	4.6	Increased	Increased	3.7	—
Ever took prescription pain medicine without a doctor’s prescription or differently than how a doctor told them to use it (such as codeine, Vicodin, OxyContin, Hydrocodone, and Percocet)	NA	NA	NA	7.2	10.9	NA	Increased	10.6	—
Currently took prescription pain medicine without a doctor’s prescription or differently than how a doctor told them to use it (such as codeine, Vicodin, OxyContin, Hydrocodone, and Percocet during the 30 days before the survey)	NA	NA	NA	NA	8.9	NA	NA	7.8	—
Ever used a needle to inject any illegal drug into their body (one or more times during their life)	NA	NA	NA	7.3	3.4	NA	Decreased	5.1	Less Likely

table continues

Table D5. 2011–2019 Hawai‘i YRBS Public Middle School Kaua‘i County Results and Trends and 2019 State Results cont.

Survey Item	Kaua‘i County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Kaua‘i County vs. State
Sexual Behaviors									
Ever had sexual intercourse	9.3	9.1	6.1	7.0	9.5	NA	—	6.5	More Likely
Had sexual intercourse for the first time before age 11 years	1.5	3.7	2.7	2.4	2.9	—	—	2.4	—
Had sexual intercourse with three or more persons (during their life)	1.7	2.9	2.1	2.3	2.7	—	—	1.7	—
Used a condom during last sexual intercourse (among students who ever had sexual intercourse)	NR	NR	NR	57.0	51.3	NA	—	44.2	—
Weight and Nutrition									
Tried to lose weight or keep from gaining weight (by going without eating for 24 hours or more; taking any diet pills, powders, or liquids; vomiting or taking laxatives; smoking cigarettes; or skipping meals during the 30 days before the survey)	NA	NA	NA	16.3	19.5	NA	—	19.9	—
Were trying to lose weight	46.8	49.3	48.5	50.6	51.5	—	—	48.9	—
Ate breakfast on all 7 days (during the 7 days before the survey)	NA	47.9	46.5	42.9	44.8	—	—	43.8	—
Did not eat breakfast (during the 7 days before the survey)	NA	10.1	11.8	14.0	13.9	Increased	—	13.6	—
Went hungry most of the time or always because there was not enough food in their home (during the 30 days before the survey)	NA	NA	7.7	7.2	8.1	—	—	7.4	—

table continues

Table D5. 2011–2019 Hawai‘i YRBS Public Middle School Kaua‘i County Results and Trends and 2019 State Results cont.

Survey Item	Kaua‘i County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Kaua‘i County vs. State
Physical Activity									
Were physically active at least 60 minutes per day in the past 7 days (activity that increased their heart rate and made them breathe hard)									
0 days	13.2	9.7	15.4	10.8	17.8	Increased	Increased	17.5	—
5 or more days	41.6	54.5	49.0	49.9	44.8	—	Decreased	43.5	—
All 7 days	22.9	33.4	30.7	29.3	25.9	—	—	24.0	—
Did exercises to strengthen or tone their muscles on 3 or more days (such as push-ups, sit-ups, or weight lifting during the 7 days before the survey)	NA	57.7	49.5	50.5	48.1	Decreased	—	44.0	More Likely
Attended physical education (PE) classes on 1 or more days (in an average week when they were in school)	68.3	63.6	54.7	56.1	49.2	Decreased	Decreased	53.0	—
Attended physical education (PE) classes on all 5 days (in an average week when they were in school)	7.7	7.7	13.2	10.8	7.3	—	Decreased	9.3	—
Agreed or disagreed that the physical education (PE) classes they took offered a variety of physical activities (during the 12 months before the survey)	NA	NA	NA	NA	81.0	NA	NA	78.4	—
Were usually physically active at least half of the time during physical education (PE) classes (during the 12 months before the survey)	NA	NA	NA	NA	91.7	NA	NA	91.6	—
Reported that their classroom teachers provided short physical activity breaks during regular class time (not counting their physical education teacher, during the 12 months before the survey)	NA	NA	NA	NA	39.2	NA	NA	33.1	More Likely
Played on at least one sports team (run by their school or community groups during the 12 months before the survey)	58.4	60.8	52.1	54.9	48.2	Decreased	Decreased	47.2	—

table continues

Table D5. 2011–2019 Hawai‘i YRBS Public Middle School Kaua‘i County Results and Trends and 2019 State Results cont.

Survey Item	Kaua‘i County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Kaua‘i County vs. State
Physical Activity cont.									
Watched 3 or more hours per day of television (on an average school day)	33.2	31.6	27.1	23.4	20.7	Decreased	—	23.8	—
Played video or computer games or used a computer 3 or more hours per day (for something that was not school work on an average school day)	28.4	38.0	39.1	47.0	47.0	Increased	—	48.7	—
Rode their bike or walked to or from school on 1 or more days (in an average week when they were in school and the weather allowed them to do so)	NA	NA	NA	NA	25.2	NA	NA	38.4	Less Likely
Health									
Saw a dentist (for a check-up, exam, teeth cleaning, or other dental work during the 12 months before the survey)	NA	62.2	59.8	59.7	65.5	—	Increased	65.1	—
Never saw a dentist (for a check-up, exam, teeth cleaning, or other dental work)	NA	2.9	3.3	2.6	1.4	NA	Decreased	1.4	—
Missed school because of problems with their teeth or mouth (one or more times during the 12 months before the survey)	NA	NA	NA	NA	19.9	NA	NA	21.4	—
Did not go to school because they were sick (one or more times during the 30 days before the survey)	NA	NA	NA	45.3	56.1	NA	Increased	53.1	—
Had a concussion from playing a sport or being physically active (one or more times during the 12 months before the survey)	NA	NA	NA	17.7	19.3	NA	—	17.7	—
Protective Factors									
Were ever taught in school about sexually transmitted diseases (STDs)	NA	NA	NA	NA	61.2	NA	NA	44.7	More Likely
Were ever taught in school about the benefits of not having sexual intercourse to prevent pregnancy and sexually transmitted diseases (STDs)	NA	NA	NA	NA	58.2	NA	NA	40.7	More Likely

table continues

Table D5. 2011–2019 Hawai‘i YRBS Public Middle School Kaua‘i County Results and Trends and 2019 State Results cont.

Survey Item	Kaua‘i County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Kaua‘i County vs. State
Protective Factors cont.									
Were ever taught in school about AIDS or HIV infection	46.9	57.2	32.8	52.8	55.7	—	—	42.9	More Likely
Wore sunscreen most of the time or always (with an SPF of 15 or higher when they were outside for more than one hour on a sunny day)	NA	NA	NA	11.4	11.4	NA	—	12.5	—
Had 8 or more hours of sleep (on an average school night)	NA	58.8	54.7	55.0	53.8	—	—	46.5	More Likely
Talked with at least one of their parents or another adult in their family about the dangers of tobacco, alcohol, or drug use (during the 12 months before the survey)	41.7	35.7	38.0	38.7	39.8	—	—	38.5	—
Had parents or other adults in their family talk with them about what they expected them to do or not to do when it came to sex	NA	NA	33.8	33.0	34.2	—	—	30.1	—
Ever had a parent or other adults in their family talk with them about how to say no to having sex	NA	NA	NA	28.5	26.8	NA	—	23.7	—
Had at least one teacher or other adult in their school they could talk to if they had a problem	67.3	65.5	64.0	65.6	66.9	—	—	65.0	—
Had a teacher or some other adult at their school who really cared about them	NA	NA	NA	55.6	52.3	NA	—	49.9	—
Had an adult outside of school they could talk to about things that were important to them	71.6	76.9	71.1	73.5	65.1	Decreased	Decreased	64.9	—
Described their grades in school as mostly A’s or B’s (during the 12 months before the survey)	69.0	75.7	75.7	79.3	74.9	Increased	—	71.3	—
Thought they probably or definitely would complete high school	86.7	89.1	84.1	87.1	83.2	NA	—	81.3	—

Table D6. 2013–2019 Hawai‘i Youth Risk Behavior Survey Public Middle School Maui County Results and Trends (2011 $n = 1,204$; 2013 $n = 1,265$; 2015 $n = 1,585$; 2017 $n = 1,581$; and 2019 $n = 1,730$) and 2019 State Results ($n = 6,591$)

Survey Item	Maui County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change ^a	2019 vs. 2017 ^b	State %	Maui County vs. State ^b
Socio-Demographics									
Females	50.6	50.4	49.5	49.8	48.2	NA ^c	— ^d	47.8	—
Males	49.4	49.6	50.5	50.2	51.8	NA	—	52.2	—
Gay, lesbian, or bisexual	NA	NA	NA	5.7	7.1	NA	—	8.7	—
Transgender	NA	NA	NA	NA	1.4	NA	NA	1.4	—
Ethnicity/Race									
Filipino	32.0	31.8	33.4	31.7	30.1	NA	—	25.0	—
Hispanic/Latino	10.1	10.2	10.9	11.0	10.8	NA	—	6.7	More Likely
Native Hawaiian	28.5	28.4	27.9	27.0	28.1	NA	—	23.6	More Likely
Other Asian/Pacific Islander	4.8	4.9	3.8	4.8	5.3	NA	—	22.9	Less Likely
White	16.8	15.5	15.3	16.6	17.9	NA	—	16.5	—
All other races	0.3	0.5	0.7	0.8	0.4	NA	—	0.5	—
Multiple races	7.5	8.7	8.0	8.2	7.5	NA	—	4.8	More Likely
Did not describe themselves as only one race or ethnicity	NA	17.4	17.2	16.7	15.6	—	—	17.3	—
Grade 6	32.3	30.7	33.9	32.8	33.3	NA	—	22.9	—
Grade 7	33.2	35.1	34.9	34.5	35.0	NA	—	39.6	—
Grade 8	34.2	33.9	31.1	32.6	31.5	NA	—	37.3	—

^aBased on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, $p < 0.05$

^bBased on t -test analysis, $p < 0.05$

^cNot available

^dNo statistically significant difference, $p < 0.05$

table continues

Table D6. 2011–2019 Hawai‘i YRBS Public Middle School Maui County Results and Trends and 2019 State Results cont.

Survey Item	Maui County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Maui County vs. State
Socio-Demographics cont.									
Reported that either of their parents or other adults in their family were serving on active duty in the military	NA	NA	NA	19.0	19.6	NA	—	28.3	Less Likely
Did not usually sleep in their parent’s or guardian’s home (during the 30 days before the survey)	NA	NA	NA	6.4	7.5	NA	—	5.8	More Likely
Injuries and Violence									
Ever rode in a car driven by someone, including themselves, who was “high” or had been using alcohol or drugs	NA	NA	NA	NA	27.2	NA	NA	24.5	—
Were in a physical fight (one or more times during the 12 months before the survey)	27.8	21.5	22.8	18.1	18.1	Decreased	—	19.5	—
Did not go to school because they felt unsafe at school or on their way to or from school (during the 12 months before the survey)	8.3	11.1	9.1	8.7	10.1	—	—	10.3	—
Were ever electronically bullied (counting being bullied through texting, Instagram, Facebook, or other social media)	26.3	26.2	25.2	22.9	23.0	—	—	22.7	—
Ever electronically bullied someone (counting bullying through texting, Instagram, Facebook, or other social media)	NA	NA	14.5	11.3	11.5	—	—	10.9	—
Were ever bullied on school property	42.8	47.5	47.8	42.5	42.9	—	—	37.8	More Likely
Strongly agreed or agreed that harassment and bullying by other students is a problem at their school	66.5	65.5	63.8	58.7	60.9	NA	—	56.9	—
Were ever physically forced to have sexual intercourse (when they did not want to)	6.7	5.1	3.7	2.8	4.0	Decreased	—	3.5	—

table continues

Table D6. 2011–2019 Hawai‘i YRBS Public Middle School Maui County Results and Trends and 2019 State Results cont.

Survey Item	Maui County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Maui County vs. State
Injuries and Violence cont.									
Were purposely controlled or emotionally hurt (counting being told who they could and could not spend time with, being humiliated in front of others, or being threatened if they did not do what they wanted by someone they were dating or going out with one or more times during the 12 months before the survey among students who dated or went out with someone)	NA	NA	18.2	24.9	18.8	—	Decreased	19.7	—
Experienced physical dating violence (counting being hit, slammed into something, or injured with an object or weapon on purpose by someone they were dating or going out with one or more times during the 12 months before the survey among students who dated or went out with someone)	NA	14.5	13.6	16.1	7.0	Decreased	Decreased	9.7	Less Likely
Physically hurt someone they were dating or going out with (counting hitting them, slamming them into something, or injuring them with an object or weapon on purpose one or more times during the 12 months before the survey among students who dated or went out with someone)	NA	NA	NA	16.1	7.5	NA	Decreased	8.7	—
Experienced sexual violence (counting being kissed, touched, or physically forced to have sexual intercourse by anyone one or more times during the past 12 months)	NA	NA	NA	6.6	5.6	NA	—	6.1	—
Mental Health and Suicide									
Ever purposely hurt themselves without wanting to die (such as cutting or burning themselves)	NA	18.6	22.5	21.3	25.5	Increased	Increased	25.4	—
Ever felt sad or hopeless (almost every day for 2 or more weeks in a row so that they stopped doing some usual activities)	26.1	27.6	27.6	27.3	31.5	Increased	Increased	30.5	—
Never or rarely got the kind of help they needed (among students who reported having felt sad, empty, hopeless, angry, or anxious)	NA	NA	NA	44.4	46.1	NA	—	48.3	—

table continues

Table D6. 2011–2019 Hawai‘i YRBS Public Middle School Maui County Results and Trends and 2019 State Results cont.

Survey Item	Maui County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Maui County vs. State
Mental Health and Suicide cont.									
Ever seriously thought about killing themselves	21.6	24.3	25.8	23.6	29.3	Increased	Increased	27.2	—
Ever made a plan about how they would kill themselves	15.2	17.8	17.5	16.5	17.4	—	—	18.7	—
Ever tried to kill themselves	9.5	10.8	12.7	12.0	12.9	Increased	—	13.0	—
Tried to kill themselves and attempt resulted in an injury, poisoning, or overdose that had to be treated by a doctor or nurse	10.8	11.8	9.5	12.2	10.0	NA	—	9.6	—
Tobacco Use									
Ever tried cigarette smoking (even one or two puffs)	18.1	14.7	15.7	NA	10.1	NA	NA	10.5	—
First tried cigarette smoking before age 11 years (even one or two puffs)	NA	NA	NA	5.5	4.1	NA	—	5.0	—
Currently smoked cigarettes (on at least 1 day during the 30 days before the survey)	6.6	4.3	5.4	4.4	3.0	Decreased	Decreased	3.9	—
Currently smoked cigarettes frequently (on 20 or more days during the 30 days before the survey)	1.1	0.4	0.4	0.4	0.6	—	—	0.5	—
Currently smoked cigarettes daily (on all 30 days during the 30 days before the survey)	0.7	0.4	0.1	0.4	0.4	—	—	0.5	—
Ever used an electronic vapor product (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods)	NA	NA	29.6	32.1	33.4	—	—	30.6	—
First tried using an electronic vapor product before age 11 years (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods)	NA	NA	NA	NA	6.9	NA	NA	5.4	More Likely
Currently used an electronic vapor product (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods on at least 1 day during the 30 days before the survey)	NA	NA	18.0	18.3	18.7	—	—	17.7	—

table continues

Table D6. 2011–2019 Hawai‘i YRBS Public Middle School Maui County Results and Trends and 2019 State Results cont.

Survey Item	Maui County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Maui County vs. State
Tobacco Use cont.									
Currently used electronic vapor products frequently (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods on 20 or more days during the 30 days before the survey)	NA	NA	2.7	2.3	3.0	—	—	3.0	—
Currently used electronic vapor products daily (including e-cigarettes, vapes, vape pens, e-cigars, e-hookahs, hookah pens, and mods on all 30 days during the 30 days before the survey)	NA	NA	1.9	1.6	1.8	—	—	2.3	—
Usually got their own electronic vapor products by buying them in a store (during the 30 days before the survey among students who currently used electronic vapor products)	NA	NA	NA	NA	2.2	NA	NA	3.3	—
Currently smoked cigarettes or used electronic vapor products (on at least one day during the 30 days before the survey)	NA	NA	NA	20.3	19.3	NA	—	18.7	—
Alcohol and Other Drug Use									
Ever drank alcohol (other than a few sips)	33.7	23.1	24.6	25.6	23.9	NA	—	22.6	—
Drank alcohol for the first time before age 11 years (other than a few sips)	17.6	10.7	10.3	12.8	11.4	Decreased	—	11.4	—
Currently drank alcohol (at least one drink of alcohol on at least 1 day during the 30 days before the survey)	12.6	10.7	11.3	12.8	8.1	Decreased	Decreased	7.0	—
Usually drank alcohol at their home or another person’s home (during the 30 days before the survey among students who currently drank alcohol)	NA	NA	NA	NA	70.0	NA	NA	77.0	—
Reported liquor as the type of alcohol they drank most often (during the 30 days before the survey among students who currently drank alcohol)	NA	NA	NA	NA	43.1	NA	NA	31.0	More Likely

table continues

Table D6. 2011–2019 Hawai‘i YRBS Public Middle School Maui County Results and Trends and 2019 State Results cont.

Survey Item	Maui County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Maui County vs. State
Alcohol and Other Drug Use cont.									
Had five or more drinks of alcohol in a row (within a couple of hours on at least 1 day during the 30 days before the survey)	8.4	4.2	6.1	5.9	5.1	—	—	4.6	—
Thought parents would feel it was a little bit wrong, wrong, or very wrong for them to drink beer, wine, or hard liquor regularly	88.3	90.9	88.6	89.9	88.0	—	—	88.1	—
Attended school under the influence of alcohol, marijuana, or other drugs (during the 12 months before the survey)	NA	NA	7.1	7.9	10.0	Increased	—	8.3	—
Ever used marijuana	16.5	11.0	11.9	13.1	11.8	NA	—	10.6	—
Tried marijuana for the first time before age 11 years	6.5	4.3	3.4	3.8	3.5	Decreased	—	2.9	—
Currently used marijuana (one or more times during the 30 days before the survey)	10.1	7.5	8.8	7.4	7.9	—	—	7.2	—
Ever used any form of cocaine (such as powder, crack, or freebase)	3.0	1.7	3.0	2.3	1.9	—	—	2.8	—
Ever used methamphetamines (also called “speed,” “crystal,” “crank,” or “ice” or “meth”)	2.5	1.5	2.5	2.5	3.0	—	—	3.7	—
Ever took prescription pain medicine without a doctor’s prescription or differently than how a doctor told them to use it (such as codeine, Vicodin, OxyContin, Hydrocodone, and Percocet)	NA	NA	NA	7.1	11.2	NA	Increased	10.6	—
Currently took prescription pain medicine without a doctor’s prescription or differently than how a doctor told them to use it (such as codeine, Vicodin, OxyContin, Hydrocodone, and Percocet during the 30 days before the survey)	NA	NA	NA	NA	7.4	NA	NA	7.8	—
Ever used a needle to inject any illegal drug into their body (one or more times during their life)	NA	NA	NA	6.2	4.7	NA	—	5.1	—

table continues

Table D6. 2011–2019 Hawai‘i YRBS Public Middle School Maui County Results and Trends and 2019 State Results cont.

Survey Item	Maui County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Maui County vs. State
Sexual Behaviors									
Ever had sexual intercourse	12.2	7.9	8.4	7.6	6.6	NA	—	6.5	—
Had sexual intercourse for the first time before age 11 years	3.9	3.2	2.8	3.4	2.1	—	—	2.4	—
Had sexual intercourse with three or more persons (during their life)	2.9	2.9	2.5	2.2	1.9	—	—	1.7	—
Used a condom during last sexual intercourse (among students who ever had sexual intercourse)	56.1	NR ^c	52.0	46.7	50.8	NA	—	44.2	—
Weight and Nutrition									
Tried to lose weight or keep from gaining weight (by going without eating for 24 hours or more; taking any diet pills, powders, or liquids; vomiting or taking laxatives; smoking cigarettes; or skipping meals during the 30 days before the survey)	NA	NA	NA	15.5	18.9	NA	Increased	19.9	—
Were trying to lose weight	51.0	48.3	49.4	47.8	49.0	—	—	48.9	—
Ate breakfast on all 7 days (during the 7 days before the survey)	NA	48.2	47.7	46.5	43.8	Decreased	—	43.8	—
Did not eat breakfast (during the 7 days before the survey)	NA	10.5	12.5	11.7	12.6	—	—	13.6	—
Went hungry most of the time or always because there was not enough food in their home (during the 30 days before the survey)	NA	NA	8.4	6.0	7.2	—	—	7.4	—

^cNot reported

table continues

Table D6. 2011–2019 Hawai‘i YRBS Public Middle School Maui County Results and Trends and 2019 State Results cont.

Survey Item	Maui County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Maui County vs. State
Physical Activity									
Were physically active at least 60 minutes per day in the past 7 days (activity that increased their heart rate and made them breathe hard)									
0 days	15.2	10.9	15.5	11.6	15.6	—	Increased	17.5	—
5 or more days	47.1	49.5	49.1	50.6	47.5	—	—	43.5	—
All 7 days	28.7	31.2	28.5	28.8	26.2	—	—	24.0	—
Did exercises to strengthen or tone their muscles on 3 or more days (such as push-ups, sit-ups, or weight lifting during the 7 days before the survey)	NA	55.4	53.7	51.6	48.3	Decreased	—	44.0	More Likely
Attended physical education (PE) classes on 1 or more days (in an average week when they were in school)	76.2	70.5	68.5	64.8	62.3	Decreased	—	53.0	More Likely
Attended physical education (PE) classes on all 5 days (in an average week when they were in school)	11.7	10.5	25.0	12.2	10.4	—	—	9.3	—
Agreed or disagreed that the physical education (PE) classes they took offered a variety of physical activities (during the 12 months before the survey)	NA	NA	NA	NA	77.0	NA	NA	78.4	—
Were usually physically active at least half of the time during physical education (PE) classes (during the 12 months before the survey)	NA	NA	NA	NA	91.7	NA	NA	91.6	—
Reported that their classroom teachers provided short physical activity breaks during regular class time (not counting their physical education teacher, during the 12 months before the survey)	NA	NA	NA	NA	34.7	NA	NA	33.1	—
Played on at least one sports team (run by their school or community groups during the 12 months before the survey)	60.2	57.4	51.2	57.0	53.1	Decreased	—	47.2	More Likely

table continues

Table D6. 2011–2019 Hawai‘i YRBS Public Middle School Maui County Results and Trends and 2019 State Results cont.

Survey Item	Maui County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Maui County vs. State
Physical Activity cont.									
Watched 3 or more hours per day of television (on an average school day)	37.1	35.1	27.1	22.2	26.0	Decreased	Increased	23.8	—
Played video or computer games or used a computer 3 or more hours per day (for something that was not school work on an average school day)	32.5	39.8	42.3	47.3	44.8	Increased	—	48.7	Less Likely
Rode their bike or walked to or from school on 1 or more days (in an average week when they were in school and the weather allowed them to do so)	NA	NA	NA	NA	34.8	NA	NA	38.4	—
Health									
Saw a dentist (for a check-up, exam, teeth cleaning, or other dental work during the 12 months before the survey)	NA	63.3	56.1	59.4	63.7	—	Increased	65.1	—
Never saw a dentist (for a check-up, exam, teeth cleaning, or other dental work)	NA	2.6	3.8	3.1	1.6	NA	Decreased	1.4	—
Missed school because of problems with their teeth or mouth (one or more times during the 12 months before the survey)	NA	NA	NA	NA	22.9	NA	NA	21.4	—
Did not go to school because they were sick (one or more times during the 30 days before the survey)	NA	NA	NA	44.4	57.2	NA	Increased	53.1	More Likely
Had a concussion from playing a sport or being physically active (one or more times during the 12 months before the survey)	NA	NA	NA	21.2	18.6	NA	—	17.7	—
Protective Factors									
Were ever taught in school about sexually transmitted diseases (STDs)	NA	NA	NA	NA	54.2	NA	NA	44.7	More Likely
Were ever taught in school about the benefits of not having sexual intercourse to prevent pregnancy and sexually transmitted diseases (STDs)	NA	NA	NA	NA	50.1	NA	NA	40.7	More Likely

table continues

Table D6. 2011–2019 Hawai‘i YRBS Public Middle School Maui County Results and Trends and 2019 State Results cont.

Survey Item	Maui County							2019	
	2011 %	2013 %	2015 %	2017 %	2019 %	Linear Change	2019 vs. 2017	State %	Maui County vs. State
Protective Factors cont.									
Were ever taught in school about AIDS or HIV infection	62.8	64.3	48.3	40.9	47.6	Decreased	—	42.9	—
Wore sunscreen most of the time or always (with an SPF of 15 or higher when they were outside for more than one hour on a sunny day)	NA	NA	NA	12.3	11.2	NA	—	12.5	—
Had 8 or more hours of sleep (on an average school night)	NA	58.1	56.7	53.1	51.2	Decreased	—	46.5	More Likely
Talked with at least one of their parents or another adult in their family about the dangers of tobacco, alcohol, or drug use (during the 12 months before the survey)	46.3	38.1	40.8	44.1	42.6	—	—	38.5	More Likely
Had parents or other adults in their family talk with them about what they expected them to do or not to do when it came to sex	NA	NA	35.3	31.5	31.6	—	—	30.1	—
Ever had a parent or other adults in their family talk with them about how to say no to having sex	NA	NA	NA	25.7	26.7	NA	—	23.7	—
Had at least one teacher or other adult in their school they could talk to if they had a problem	65.5	63.2	63.9	66.4	62.6	—	—	65.0	—
Had a teacher or some other adult at their school who really cared about them	NA	NA	NA	52.7	46.1	NA	Decreased	49.9	Less Likely
Had an adult outside of school they could talk to about things that were important to them	70.9	74.2	71.7	71.9	65.5	Decreased	Decreased	64.9	—
Described their grades in school as mostly A’s or B’s (during the 12 months before the survey)	69.4	70.3	66.4	71.2	77.3	Increased	Increased	71.3	More Likely
Thought they probably or definitely would complete high school	87.7	87.4	83.7	84.4	81.9	NA	—	81.3	—