

**Results of the 2011 Hawai'i State and Counties
Youth Risk Behavior Surveys (YRBS)
and Cross-Year Comparisons**

Susan M. Saka

November 2012

Acknowledgments

The production of this report was made possible by collaboration among the Hawai‘i Department of Education (HDOE); Hawai‘i Department of Health (HDOH); Communities Putting Prevention to Work—Hawai‘i; the Hawaii Tobacco Prevention & Control Trust Fund, the University of Hawai‘i; and the Division of Adolescent and School Health, Centers for Disease Control and Prevention (CDC-DASH). Gratitude is especially extended to the individuals listed below (positions are as of 2011) for their contribution towards developing and producing this report.

Communities Putting Prevention to Work—Hawai‘i

Jodi Drisko, Evaluator

Thomas Noyes, Project Coordinator

Hawai‘i Department of Education

Principals, teachers, staff, and students of Hawai‘i public middle and high schools

Jan Fukada, Information Specialist, Office of Information Technology Services

Ann Horiuchi*, Acting Educational Specialist, Healthy Hawaii Initiative (HHI), Office of Curriculum, Instruction and Student Support

Kathryn Matayoshi, State Superintendent

Julienne Nakano*, State HIV Prevention Resource Teacher

Hawai‘i Department of Health

Loretta Fuddy, Director of Health

Chiyome Fukino, Former Director of Health

Don Hayes*, Epidemiologist, Family Health Services Division

Virginia Jackson*, Head, Program Development Services Office Alcohol & Drug Abuse Division

Lila Johnson*, Community Coalition Coordinator, Tobacco Education and Prevention Program

Kathy Koga*, Youth Education Coordinator, Tobacco Education and Prevention Program

Noella Kong*, Adolescent Wellness Program Coordinator, Maternal and Child Health

Tonya Lowery St. John*, Epidemiologist, Science and Research Group, HHI

Ann Pobutsky*, Epidemiologist, Chronic Disease Management and Control Branch

Jennifer Ryan*, Acting Departmental School Health Coordinator, HHI

Betty Wood*, CDC Prevention Block Grant Coordinator

Cathy Yamamoto Ross*, School Health Coordinator, HHI

Hawaii Tobacco Prevention & Control Trust Fund

Cynthia J. Goto*

University of Hawai‘i, John A. Burns School of Medicine

LaShandra Eller*, Graduate Assistant, Office of Public Health

Claudio Nigg*, Department of Public Health Sciences

University of Hawai‘i, Curriculum Research & Development Group (CRDG)

Donald Young, Director

Lorna Afaga

Michelle Bodily

Morris Lai

Brian Lawton

Susan York

Student assistants

* Individuals who served on the Hawai‘i School Health Surveys committee

Results of the 2011 Hawai'i State and Counties Youth Risk Behavior Surveys (YRBS) and Cross-Year Comparisons

Background

The Youth Risk Behavior Survey (YRBS) is one component of the Hawai'i School Health Survey administered in odd-numbered years to 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 collaboration with representatives from state and local departments of education and health, other federal agencies, and national education and health organizations. The YRBSS monitors six types of health-risk behaviors that contribute to the leading causes of death and disability among youth and adults including

- behaviors that contribute to unintentional injuries and violence,
- sexual behaviors that contribute to unintended pregnancy and sexually transmitted diseases including HIV infection,
- tobacco use,
- alcohol and other drug use,
- unhealthy dietary behaviors, and
- inadequate physical inactivity.¹

The YRBSS also measures self-reported height and weight to allow calculation of body mass index (BMI) for assessment of whether students are overweight or obese. More information about the YRBSS can be obtained from <http://www.cdc.gov/yrbss>.

The high school YRBSS, which includes a national school-based survey conducted by the CDC and state, tribal, and local surveys conducted by state, territorial, and local education and health agencies, and tribal governments has been conducted primarily during the spring in odd-numbered years since 1991. In 2011, 47 states, 5 territories, 2 tribal governments, and 22 large urban school districts participated in the high school YRBS and 16 states, 3 territories, 1 tribal government, and 13 large urban school districts participated in the middle school YRBS.

There were 73 CDC-developed questions (hereafter referred to as core items) in the 2011

¹ <http://www.cdc.gov/healthyyouth/yrbs/index.htm>

Hawai‘i High School YRBS (hereafter referred to as high school HYRBS). In addition, there were 26 Hawai‘i-specific questions covering local variations on the same topics and other health-related topics of local interest such as access to mentor-like relationships and tattoos.

In Hawai‘i, the high school HYRBS was conducted during the spring in odd-numbered years from 1991 to 1999 and in 2007 and 2009 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, and the data from the four counties were combined for this state-level HYRBS report.

The change in survey administration periods between spring and fall was due to local situations, and the change to county-level administration was due to the CPPW project and the need for more localized data by partner agencies.

A similar survey of Hawai‘i middle and intermediate school students (hereafter referred to as middle school HYRBS) was conducted in odd-numbered years since 1997 in conjunction with the high school version. The 2011 middle school HYRBS was conducted during spring for the four counties, and the data were combined for this statewide report. It contained 80 questions: 35 CDC-developed questions and 45 Hawai‘i-specific questions covering local variations on the same topics and other health-related topics of local interest such as access to mentor-like relationships.

The results of these surveys, conducted in compliance with the requirements of the Hawai‘i State Department of Education’s (HDOE) cooperative agreement with the Division of Adolescent and School Health, CDC, and largely funded by the Hawai‘i Department of Health’s (HDOH) Healthy Hawai‘i Initiative, will be used to

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

This document is a comprehensive reporting of the 2011 high school HYRBS and 2011 middle school HYRBS total results. It does not include the results by age, grade, race/ethnicity, or sex. Because of the vast amount of data, it is difficult to cover everything of possible interest in one easy-to-follow report. We have chosen to report all of the overall results in one document, but more detailed breakdowns of the data are available through the Hawai‘i Health Data Warehouse (HHDW) at <http://www.hhdw.org/> and the CDC’s Youth Online website at <http://www.cdc.gov/healthyyouth/yrbs/index.htm>. The CDC website provides data for CDC core items for the years when weighted results² were obtained (i.e., all years except 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). The HHDW website contains results for core and Hawai‘i-added items and reports by Hawai‘i-specific race/ethnicity: <http://www.hhdw.org/cms/index.php?page=yrbss-reports>. County-level results will also be posted to the HHDW. The Hawai‘i School Health Survey committee (HSHS)³ plans to issue topical briefs utilizing further analyses of the YRBS data in the future.

For 2011, the CDC adjusted the way Native Hawaiian students are classified to provide more accurate results. In the past, if a student selected “Native Hawaiian” and any other race/ethnicity, they were classified in the “Other” category. However, in 2011 and in the future, these students will be classified as “Native Hawaiian” if they did not also indicate being Hispanic or Latino. This report does not include race/ethnicity results, but this change affected the weighting. There were minor changes in the results, but according to the CDC the changes are small enough that they will continue to compare the Hawai‘i 2011 results with prior years. Thus, the HSHS committee decided to also continue the comparisons.

² Weighted results mean that the overall response rate was at least 60%. The overall response rate is calculated by multiplying the school response rate times the student response rate. Weighted results are representative of all students in grades 9–12 attending public schools in each jurisdiction. With weighted 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.”
<http://www.cdc.gov/healthyyouth/yrbs/history-states.htm>.

³ Committee members are from the Hawai‘i Departments of Education and Health, Hawaii Tobacco Prevention & Control Trust Fund, and University of Hawai‘i.

Method

A two-stage, stratified random sampling procedure was used to produce final samples of 5,109 students in 40 Hawai'i public middle and intermediate schools (grades 6–8) and 4,329 students in 36 Hawai'i public high schools (grades 9–12). The response rates were 67% and 60%, respectively. Survey procedures were designed to protect the privacy of students through anonymous and voluntary participation. School-level personnel proctored the self-administered questionnaire. Written parental permission was required.

The data from the middle school and high school HYRBS administered during fall 2010 and spring 2011 were statistically weighted; thus, according to the CDC, it is possible to make valid statewide (public middle schools and public high schools only) comparisons across years, and the results are representative of all public middle school students in grades 6–8 and public high school students in grades 9–12, respectively.

Table 1 compares the 2011 public high school HYRBS results to the 2007 results and to the 2011 YRBSS results. It also includes the 2009 HYRBS results for reference purposes.

For the 2011 national survey, a three-stage cluster sample design was used to produce the representative sample of 15,425 students in grades 9–12 who attended regular public and private schools in the 50 states and the District of Columbia. See <http://www.cdc.gov/mmwr/pdf/ss/ss6104.pdf> for details. The University of Hawai'i (UH) Curriculum Research & Development Group (CRDG) conducted *t*-test analyses at $p < .05$ to determine whether there were statistically significant differences on items between 2007 and 2011 for Hawai'i students for the Hawai'i-specific items as the CDC did for the core items.

Table 2 presents the results of a trend analysis of the core items conducted by the CDC, which notes whether Hawai'i high school students' reported behavior increased, decreased, or stayed the same between the time when weighted results were first obtained without a break (e.g., an item may have been asked in 1993 but because weighted data were not obtained in 2003, the analysis used the 2005 data as the baseline) and 2011. We included the results from the 1999 administration or the year the item was first asked for historical information.

The 2011 public middle school HYRBS results compared to the 2007 results are presented in Table 3. As with the high school level, the UH CRDG conducted *t*-test analyses at $p < .05$ to determine if there were statistically significant differences between 2007 and 2011 for Hawai'i students for the Hawai'i-specific items as the CDC did for the core items.

Table 4 presents the results of a trend analysis of core items conducted by the CDC, which similarly to that for the high school level, denotes whether Hawai‘i middle school students’ reported behavior increased, decreased, or stayed the same between the time when weighted results were first obtained without a break (2007 for all items except two) and 2011. Although weighted results were obtained in 2005 for the middle school level, the items were comparable to the high school level and not to the CDC’s middle school core items. Therefore, the CDC determined that the 2005 middle school HYRBS was not weighted for trend analysis purposes.

Tables 5–7 present the high school 2011 Honolulu, Kaua‘i, and Maui county results and Tables 8–11 present the middle school 2011 Hawai‘i, Honolulu, Kaua‘i, and Maui county results, respectively, compared to the Hawai‘i state results. The UH CRDG conducted *t*-test analyses at $p < .05$ to determine whether there were statistically significant differences. There are no 2011 high school Hawai‘i County results because participation was not high enough to obtain weighted data.

Limitations

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

1. These data apply to youth who attend public school, who received parental permission to participate, and who were present on the day that the teacher chose to administer the survey (a few teachers did make-ups), and, therefore, are not representative of all persons in this age group.
2. 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.
3. The change in survey administration from fall to spring might have affected some of the results.
4. 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 overreport their height and under-estimate their weight. BMI is calculated on the basis of self-reported height and weight, and, therefore, tends to underestimate the prevalence of obesity and overweight.

Results

Results from the 2011 Hawai‘i Youth Risk Behavior Survey show that many middle and high school students are engaged in behaviors that increase their susceptibility to the leading causes of death among persons aged 10–24 years in the United States. However, overall, lower percentages of Hawai‘i high school students reported engaging in these behaviors in 2011 than in 2007, since the inclusion of the health risk behavior on the survey, and compared to U.S. students. The one behavior for which both middle and high school students are at greater risk since 2007, the year the behavior was first monitored, and also at greater risk than U.S. students is playing video or computer games or using a computer for something that was not school work for three or more hours per day on an average school day.

There are differences between the counties at both the middle and high school levels. The 2011 results provide baseline data from which to monitor reported behaviors.

Hawai‘i High School, 2011 vs. 2007

Of the 71 behaviors for which a comparison was made (the behaviors from the high school HYRBS questionnaire and supplemental variables calculated from those questions) there were ten statistically significant differences at the $p < .05$ level for Hawai‘i high school students between 2011 and 2007. Hawai‘i students were less likely in 2011 than they were in 2007 to have

- been involved in a physical fight during the 12 months before the survey (22.3% vs. 28.6%);
- attempted suicide during the 12 months before the survey (8.6% vs. 12.0%);
- reported that either they or their partner had used a condom during their last sexual intercourse (among students who were sexually active during the three months before the survey) (43.9% vs. 54.2%);
- vomited or taken laxatives to lose weight or to keep from gaining weight during the 30 days before the survey (5.5% vs. 7.9%);
- drunk a can, bottle, or glass of soda or pop (not including diet soda or diet pop) during the 7 days before the survey (17.5% vs. 22.6%); and
- ever been taught in school about AIDS or HIV infection (83.6% vs. 87.1%).

Hawai‘i high school students were more likely in 2011 than they were in 2007 to have

- obtained the alcohol they drank by someone giving it to them during the 30 days before the survey (41.4% vs. 32.4%),

- used marijuana during the 30 days before the survey (21.9% vs. 15.7%),
- ever used ecstasy (9.0% vs. 4.6%), and
- played video or computer games or used a computer for something that was not school work for three or more hours per day on an average school day (36.6% vs. 31.1%).

See Table 1 for the 2011 high school HYRBS results for all items and the related 2007 and 2009 results.

Hawai‘i High School vs. U.S. High School, 2011

Of the 79 behaviors for which a comparison could be made (the behaviors from the high school HYRBS questionnaire and supplemental variables calculated from those questions) there were 44 statistically significant differences at the $p < .05$ level for Hawai‘i high school students in comparison to U.S. students. Hawai‘i students were less likely than U.S. students to have

- carried a weapon during the 30 days before the survey (13.9% vs. 16.6%);
- been involved in a physical fight (22.3% vs. 32.8%) or fought on school property (8.1% vs. 12.0%) during the 12 months before the survey;
- had at least one drink of alcohol (29.1% vs. 38.7%) or had five or more drinks of alcohol in a row within a couple of hours (15.4% vs. 21.9%) during the 30 days before the survey;
- ever sniffed glue, breathed the contents of aerosol spray cans, or inhaled any paints or sprays to get high (9.7% vs. 11.4%);
- ever taken prescriptions drugs without a doctors prescription (14.3% vs. 20.7%); and
- had sexual intercourse, ever (37.0% vs. 47.4%), with four or more persons during their lifetime (8.0% vs. 15.3%), or during the three months before the survey (23.9% vs. 33.7%).

Hawai‘i high school students were also less likely than U.S. students to have

- among students who were currently sexually active used a condom during last sexual intercourse (43.9% vs. 60.2%); used birth control pills before last sexual intercourse (14.3% vs. 18.0%); used both a condom during last sexual intercourse and birth control pills or Depo-Provera (or any injectable birth control), Nuva Ring (or any birth control ring), Implanon (or any implant), or any IUD before last sexual intercourse (5.5% vs. 9.5%) to prevent pregnancy; or used a method to prevent pregnancy during last sexual intercourse (80.2% vs. 87.1%);
- engaged in physical activity for at least 60 minutes per day that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey
 - on 5 or more days (37.9% vs. 49.5%) or
 - on all 7 days (21.0% vs. 28.7%);

- attended physical education classes on 1 or more days in an average week (41.6% vs. 51.8%) or 5 days in an average week (6.9% vs. 31.5%) when they were in school; and
- played on at least one sports team during the 12 months before the survey (54.8% vs. 58.4%).

For the tobacco-use items for which the CDC published a comparison, Hawai‘i students were less likely to engage in the risky behavior for 10 of the 13 tobacco-related items:

- smoked cigarettes, ever (37.3% vs. 44.7%), during the 30 days before the survey (10.1% vs. 18.1%), on 20 or more of the 30 days before the survey (3.9% vs. 6.4%), or on school property during the 30 days before the survey (3.4% vs. 4.9%);
- ever smoked at least one cigarette every day for 30 days (7.8% vs. 10.2%);
- among students who were aged < 18 years and who smoked cigarettes during the 30 days before the survey, usually obtained their own cigarettes by buying them in a store or gas station (5.5% vs. 14.0%);
- used chewing tobacco, snuff, or dip (3.5% vs. 7.7%) or used on school property (2.3% vs. 4.8%) during the 30 days before the survey;
- smoked cigars, cigarillos, or little cigars during the 30 days before the survey (6.8% vs. 13.1%); and
- smoked cigarettes; smoked cigars, cigarillos, or little cigars; or used chewing tobacco, snuff, or dip during the 30 days before the survey (12.0% vs. 23.4%).

Also, of the students who reported smoking cigarettes during the 30 days before the survey, Hawai‘i students were more likely to have tried to quit smoking cigarettes in the 12 months before the survey than were U.S. students (66.8% vs. 49.9%).

Hawai‘i high school students were more likely than U.S. students to have

- made a plan about how they would attempt suicide during the 12 months before the survey (15.0% vs. 12.8%);
- used marijuana on school property during the 30 days before the survey (7.6% vs. 5.9%);
- been offered, sold, or given an illegal drug on school property during the 12 months before the survey (31.7% vs. 25.6%);
- described themselves as slightly or very overweight (31.9% vs. 29.2%);
- taken diet pills, powders or liquids without a doctor’s advice (6.5% vs. 5.1%) or vomited or took laxatives (5.5% vs. 4.3%) to lose weight or to keep from gaining weight during the 30 days before the survey;
- engaged in physical activity for at least 60 minutes per day that increased their heart rate and made them breathe hard some of the time during none of the 7 days before the survey (18.5% vs. 13.8%); and

- played video or computer games or used a computer for something that was not school work for three or more hours per day on an average school day (36.6% vs. 31.1%);

Also, fewer Hawai‘i than U.S. high school students reported that, during the 7 days before the survey, they

- drank 100% fruit juices (72.2% vs. 80.8%) and ate potatoes (57.7% vs. 68.8%) one or more times;
- ate fruit or drank 100% fruit juices two or more times per day (25.5% vs. 34.0%); and
- drank a can, bottle, or glass of soda or pop one or more times per day (17.5% vs. 27.8%).

But more Hawai‘i students reported that, during the 7 days before the survey, they

- ate green salad (67.6% vs. 62.0%) or ate carrots (52.8% vs. 48.0%) one or more times.

See Table 1 for the 2011 high school HYRBS results and the related U.S. results.

Hawai‘i High School Trends

The CDC conducted a trend analysis of weighted data for the core questions from the 2011 high school HYRBS questionnaire and supplemental variables calculated from those questions. Hawai‘i-specific questions were not included. “Logistic regression analysis is used to test for change over all the years of available data. The regression models control for changes in distributions by sex, race/ethnicity, and grade in the population and simultaneously assess linear and quadratic time effects” (Centers for Disease Control and Prevention, 2012). Table 2 contains the items for which CDC conducted the linear trend analysis. It includes the prevalence rates for the first year weighted data were obtained following the break, usually 2005; the prevalence rates for 2011; and the direction of the change. Results from 1999 are also included for historical perspective. Of the results from the high school HYRBS for which trends were calculated ($n = 66$), students reported in 2011 that they were statistically significantly less likely to have

- carried a weapon on school property during the 30 days before the survey (4.9% in 2005 and 4.2% in 2011);
- been involved in a physical fight (27.0% in 2005 and 22.3% in 2011) or fought on school property (10.0% in 2005 and 8.1% in 2011) during the 12 months before the survey;

- ever been physically forced to have sexual intercourse when they did not want to (10.3% in 2005 and 7.1% in 2011);
- seriously considered attempting suicide (19.8% in 2005 and 16.1% in 2011) or made a plan about how they would attempt suicide (17.2% in 2005 and 15.0% in 2011) during the 12 months before the survey;
- smoked cigarettes (16.4% in 2005 and 10.1% in 2011) or smoked cigarettes on 20 or more days (4.8% in 2005 and 3.9% in 2011) during the 30 days before the survey;
- had a first drink of alcohol before age 13 (27.3% in 2005 and 19.2% in 2011);
- drunk alcohol (34.8% in 2005 and 29.1% in 2011) or had five or more drinks of alcohol in a row (18.8% in 2005 and 15.4% in 2011) during the 30 days before the survey;
- tried marijuana for the first time before age 13 (12.5% in 2005 and 9.5% in 2011);
- ever used any form of cocaine (6.5% in 2005 and 6.4% in 2011), inhalants (13.0% in 2005 and 9.7% in 2011), or methamphetamines (4.3% in 2005 and 3.4% in 2011);
- ever had sexual intercourse with four or more persons (9.0% in 2005 and 8.0% in 2011);
- drunk alcohol or used drugs before last sexual intercourse among students who reported having sexual intercourse during the three months before the survey (22.8% in 2005 and 20.9% in 2011);
- vomited or taken laxatives to lose weight or to keep from gaining weight during the 30 days before the survey (6.0% in 2005 and 5.5% in 2011);
- drunk a can, bottle, or glass of soda or pop (not including diet soda or pop) during the 7 days before the survey (22.6% in 2007 and 17.5% in 2011);
- engaged in physical activity for at least 60 minutes per day that increased their heart rate and made them breathe hard 0 days in the 7 days preceding the survey (25.7% in 2005 and 18.5% in 2011); and
- watched television three or more hours per day on an average school day (36.9% in 2005 and 31.7% in 2011).

They were also less likely to have

- eaten fruits and vegetables five or more times per day (19.1% in 2005 and 17.5% in 2011); eaten green salad (69.0% in 2005 and 67.6% in 2011); eaten carrots (56.9% in 2005 and 52.8% in 2011); eaten other vegetables [i.e., other than green salad, potatoes, or carrots] (82.2% in 2005 and 81.8% in 2011) in the 7 days before the survey; and
- attended physical education classes daily in an average week (12.1% in 2005 and 6.9% in 2011).

They were more likely to have

- rarely or never worn a bicycle helmet (among students who reported riding a bicycle) during the 12 months before the survey (85.7% in 2005 and 87.6% in 2011);

- used marijuana on school property during the 30 days before the survey (7.2% in 2005 and 7.6% in 2011);
- ever used ecstasy (6.1% in 2005 and 9.0% in 2011);
- ever had sexual intercourse (35.7% in 2005 and 37.0% in 2011);
- had sexual intercourse for the first time before age 13 (5.1% in 2005 and 5.2% in 2011);
- been obese (13.1% in 2005 and 13.2% in 2011);
- been trying to lose weight (47.9% in 2005 and 49.3% in 2011);
- described themselves as slightly or very overweight (29.6% in 2005 and 31.9% in 2011); and
- played video or computer games or used a computer for something that was not school work for three or more hours on an average school day (31.1% in 2007 and 36.6% in 2011).

They were also more likely to have

- engaged in physical activity for at least 60 minutes per day that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey on
 - 5 days (30.2% in 2005 and 37.9% in 2011), or
 - on all 7 days (14.9% in 2005 and 21.0% in 2011), and
- been taught in school about AIDS or HIV infection (83.2% in 2005 and 83.6% in 2011).

See Table 2 for the trend results; the 1999 results are presented for historical reference.

Hawai‘i Middle School, 2011 vs. 2007

Of the 44 comparable items, there were eight statistically significant differences at the $p < .05$ level for Hawai‘i middle school students between 2011 and 2007. Hawai‘i students were less likely in 2011 than they were in 2007 to have been involved in a physical fight on school property during the 12 months before the survey (11.3% vs. 17.2%). More students reported being engaged in physical activity for at least 60 minutes per day that increased their heart rate and made them breathe hard some of the time on all 7 of the 7 days preceding the survey (25.0% vs. 19.7%) or attending physical education classes on one or more days in an average week when they were in school (65.6% vs. 51.9%).

Also, Hawai‘i middle school students were more likely in 2011 than in 2007 to have

- had a boyfriend or girlfriend (51.2% vs. 43.9%);

- ever used any form of cocaine, including powder, crack, or freebase (2.9% vs. 1.5%);
- been offered, sold, or given an illegal drug on school property during the 12 months before the survey (9.3% vs. 5.6%);
- had sexual intercourse for the first time before age 11 years (3.5% vs. 1.9%); and
- played video or computer games or used a computer for something that was not school work for three or more hours per day on an average school day (37.5% vs. 25.2%).

Table 3 provides the 2011 middle school HYRBS results for all items and the related 2007 and 2009 results. The CDC does not conduct a national middle school YRBS, but results of the CDC core items from the 15 other states, 3 territories, 1 tribal government, and 13 large urban school districts that conducted a 2011 middle school YRBS and obtained weighted data are available at <http://apps.nccd.cdc.gov/youthonline/App/Default.aspx>.

Hawai‘i Middle School Trends

Table 4 contains the items for which the CDC conducted the linear trend analysis. (See the Hawai‘i High School Trends section on page 9 for a detailed explanation.) It includes the prevalence rates for 2007, the first year weighted data were obtained following the break; the prevalence rates for 2011; and the direction of the change. Of the 24 results from the middle school HYRBS for which trends were calculated, Hawai‘i students were statistically significantly less likely to have

- smoked cigarettes during the 30 days before the survey (8.9% in 2007 and 7.2% in 2011),
- tried to lose weight (51.1% in 2007 and 47.8% in 2011), and
- watched television three or more hours per day on an average school day (39.5% in 2007 and 39.4% in 2011).

They were more likely to have

- ever used any form of cocaine, including powder, crack, or freebase (1.5% in 2007 and 2.9% in 2011);
- ever had sexual intercourse (8.7% in 2007 and 10.4% in 2011); and
- played video or computer games or used a computer for something that was not school work for three or more hours on an average school day (25.2% in 2007 and 37.5% in 2011).

They were also more likely to have

- attended physical education classes one or more days in an average week when they were in school (51.9% in 2007 and 65.6% in 2011) and

- ever been taught in school about AIDS or HIV infection (56.1% in 2007 and 60.0% in 2011).

County High School vs. Hawai'i State High School, 2011

Tables 5–7 contain the weighted results of the Honolulu, Kaua'i, and Maui county high school items, respectively. The items for which there were statistically significant differences between the county and the state are as follows. The county percentage is listed first, followed by the state percentage.

Hawai'i County vs. Hawai'i State

Results are not available because the CDC does not provide weighted results when the response rate is less than 60%.

Honolulu County (*n* = 1,362) vs. Hawai'i State (*n* = 4,329)

- had at least one drink of alcohol on school property during the 30 days before the survey (3.7% vs. 5.0%)
- tried marijuana for the first time before age 13 (6.7% vs. 9.5%)

Kaua'i County (*n* = 982) vs. Hawai'i State (*n* = 4,329)

- been involved in a physical fight on school property during the 12 months before the survey (5.4% vs. 8.1%)
- felt so sad or hopeless almost every day for two or more weeks in a row during the 12 months before the survey that they stopped doing some usual activities (24.4% vs. 29.5%)
- had five or more drinks of alcohol in a row within a couple of hours during the 30 days before the survey (19.3% vs. 15.4%)
- ever forgot things they did while using alcohol or drugs (23.0% vs. 18.7%)
- ever gotten into trouble while they were using alcohol or drugs (19.9% vs. 16.2%)
- tried marijuana for the first time before age 13 (16.4% vs. 9.5%)
- offered, sold, or given an illegal drug by someone on school property during the 12 months before the survey (23.4% vs. 31.7%)
- used birth control pills before last sexual intercourse among students who reported having sexual intercourse during the three months before the survey (20.9% vs. 14.3%)
- ever had sexual contact with both males and females (2.4% vs. 4.2%)
- described themselves as slightly or very overweight (24.8% vs. 31.9%)

- were trying to lose weight (44.2% vs. 49.3%)
- ate green salad (73.8% vs. 67.6%), potatoes (66.3% vs. 57.7%), carrots (59.1% vs. 52.8%) one or more times during the 7 days before the survey
- ate fruits and vegetables five or more times per day during the 7 days before the survey (21.0% vs. 17.5%)
- attended physical education classes 5 days in an average week when they were in school (11.6% vs. 6.9%)
- watched television (25.8% vs. 31.7%) or played video or computer games or used a computer for something that was not school work (27.3% vs. 36.6%) for three or more hours per day on an average school day
- had one or more tattoos that were done outside a licensed tattoo shop (3.9% vs. 5.1%)

Maui County (*n* = 1,255) vs. Hawai'i State (*n* = 4,329)

- smoked cigarettes on 20 or more of the 30 days before the survey (2.2% vs. 3.9%)
- ever smoked at least one cigarette every day for 30 days (5.3% vs. 7.8%)
- parents would feel it was a little wrong, wrong, or very wrong for them to drink beer, wine, or hard liquor regularly (91.2% vs. 88.5%)
- knew one or more adults who got drunk or high during the 12 months before the survey (72.9% vs. 67.7%)
- tried marijuana for the first time before age 13 (12.3% vs. 9.5%)
- ever sniffed glue, breathed the contents of aerosol spray cans, or inhaled any paints or sprays to get high (7.5% vs. 9.7%)
- ate potatoes one or more times during the 7 days before the survey (62.9% vs. 57.7%)
- did not participate in at least 60 minutes of physical activity that increased their heart rate and made them breathe hard some of the time on any of the 7 days before the survey (13.7% vs. 18.5%)
- played video or computer games or used a computer for something that was not school work for three or more hours per day on an average school day (30.5% vs. 36.6%)
- thought they probably or definitely will complete a post high school program (74.5% vs. 80.2%)

County Middle School vs. Hawai'i State Middle School, 2011

Tables 8–11 contain the weighted results of the Hawai'i, Honolulu, Kaua'i, and Maui county middle school items, respectively. The items for which there were statistically significant differences between the county and the state are as follows. The county percentage is listed first followed by the state percentage.

Hawai'i County (*n* = 1,237) vs. Hawai'i State (*n* = 5,109)

- rarely or never wore a bicycle helmet, among students who had ridden a bicycle (81.7% vs. 75.4%)
- were in a vehicle driven by someone who had been using alcohol or other drugs during the 30 days before the survey (24.2% vs. 17.8%)
- carried a weapon during the 12 months before the survey (25.6% vs. 16.4%)
- ever bullied on school property (44.7% vs. 40.7%)
- ever tried to kill themselves (12.3% vs. 9.2%)
- drank alcohol for the first time before age 11 (19.8% vs. 16.3%)
- had at least one drink of alcohol (16.5% vs. 12.5%) or drank on school property (4.1% vs. 2.6%) during the 30 days before the survey
- parents would feel it was a little wrong, wrong, or very wrong for them to drink beer, wine, or hard liquor regularly (85.5% vs. 89.1%)
- tried marijuana for the first time before age 11 (8.1% vs. 4.7%)
- used marijuana (13.5% vs. 9.3%) or used on school property (3.5% vs. 2.2%) during the 30 days before the survey
- ever sniffed glue, breathed the contents of spray cans, or inhaled any paints or sprays to get high (12.1% vs. 9.7%)
- been offered, sold, or given an illegal drug on school property during the 12 months before the survey (12.7% vs. 9.3%)
- ever used alcohol or drugs while they were alone (11.0% vs. 7.8%)
- ever had sexual intercourse (14.8% vs. 10.4%)
- ever had sexual intercourse with three or more persons (5.3% vs. 2.5%)
- attended physical education classes on 1 or more days in an average week (54.7% vs. 65.6%) or 5 days in an average week (5.1% vs. 14.9%) when they were in school
- had at least one teacher or other adult in their school that they could talk to if they had a problem (67.8% vs. 64.3%)
- ever had a parent or another adult in their family talk with them about the dangers of tobacco, alcohol, or drug use during the 12 months before the survey (46.3% vs. 43.0%)

Honolulu County (*n* = 1,703) vs. Hawai'i State (*n* = 5,109)

- carried a weapon during the 12 months before the survey (13.2% vs. 16.4%)

Kaua'i County ($n = 965$) vs. Hawai'i State ($n = 5,109$)

- rarely or never wore a bicycle helmet among students who had ridden a bicycle (81.4% vs. 75.4%)
- carried a weapon during the 12 months before the survey (20.9% vs. 16.4%)
- been involved in a physical fight on school property during the 12 months before the survey (8.3% vs. 11.3%)
- ever physically forced to have sexual intercourse (2.5% vs. 4.2%)
- ever been electronically bullied (19.8% vs. 23.7%)
- had five or more drinks of alcohol in a row during the 30 days before the survey (5.1% vs. 7.7%)
- tried marijuana for the first time before age 11 (3.1% vs. 4.7%)
- used marijuana on school property during the 30 days before the survey (0.4% vs. 2.2%)
- ever sniffed glue, breathed the contents of aerosol spray cans, or inhaled any paints or sprays to get high (7.5% vs. 9.7%)
- ever used ecstasy (0.9% vs. 2.2%)
- ever took prescription drugs without a doctor's prescription (2.7% vs. 5.0%)
- attended school under the influence of alcohol or other illegal drugs, such as marijuana or cocaine during the 12 months before the survey (3.8% vs. 7.0%)
- had sexual intercourse for the first time before age 11 (1.5% vs. 3.5%)
- attended physical education classes on five days in an average week when they were in school (7.7% vs. 14.9%)
- watched television three or more hours per day on an average school day (33.2% vs. 39.4%)
- played video or computer games or used a computer for non school work for three or more hours on an average school day (28.4% vs. 37.5%)
- ever had a doctor or nurse discuss ways to prevent pregnancy, sexually transmitted diseases (STDs), and AIDS or HIV with them (18.9% vs. 23.8%)

Maui County ($n = 1,204$) vs. Hawai'i State ($n = 5,109$)

- rarely or never wore a bicycle helmet among students who had ridden a bicycle (80.7% vs. 75.4%)
- carried a weapon during the 12 months before the survey (19.9% vs. 16.4%)
- ever physically forced to have sexual intercourse (6.7% vs. 4.2%)

- sniffed glue, breathed the contents of aerosol spray cans, or inhaled any paints or sprays to get high, ever (6.7% vs. 9.7%) or during the 30 days before the survey (8.0% vs. 10.3%)
- ever exercised to lose weight or to keep from gaining weight (75.2% vs. 71.3%)
- ever vomited or took laxatives to lose weight or to keep from gaining weight (6.2% vs. 4.3%)
- engaged in physical activity for at least 60 minutes per day that increased their heart rate and made them breathe hard some of the time during all seven days before the survey (28.7% vs. 25.0%)
- attended physical education classes on 1 or more days in an average week (76.2% vs. 65.6%)
- played video or computer games or used a computer for non school work for three or more hours on an average school day (32.5% vs. 37.5%)

References

- Brener, N. D., Kann, L., McManus, T., Kinchen, S. A., Sundberg, E. C., & Ross, J. G. (2002). Reliability of the 1999 Youth Risk Behavior Survey questionnaire. *Journal of Adolescent Health, 31*, 336–342.
- Brener, N. D., McManus, T., Galuska, D. A., Lowry, R., & Wechsler, H. (2003). Reliability and validity of self-reported height and weight among high school students. *Journal of Adolescent Health, 32*, 281–287.
- Centers for Disease Control and Prevention. (2010). *Interpretation of YRBS Trend Data*. Retrieved from http://www.cdc.gov/healthyyouth/yrbs/pdf/YRBS_trend_interpretation.pdf.
- Centers for Disease Control and Prevention. (2010). *Morbidity and Mortality Weekly Report Surveillance Summaries 2010, 59(SS-5)*, 1–142.
- Centers for Disease Control and Prevention. (2012). *Youth Risk Behavior Survey Results: 2011 Hawaii High School*. Unpublished manuscript.

Table 1. 2007, 2009, and 2011 Hawai'i Youth Risk Behavior Survey Public High School Results (2007 n = 1,191; 2009 n = 1,511; and 2011 n = 4,329) and 2011 U.S. Results (n = 15,425)

Health Risk Behavior	Hawai'i				2011	
	2007 %	2009 %	2011 %	2011 vs. 2007	U.S. %	HI vs. U.S.
Unintentional Injuries and Violence						
Rarely or never wore a bicycle helmet (among students who had ridden a bicycle during the 12 months before the survey)	86.1	88.5	87.6	— ^a	87.5	—
Were in a vehicle driven by someone, including themselves, who had been using alcohol or other drugs (in the 30 days before the survey)	NA ^b	NA	30.9	NA	NA	NA
Carried a weapon on at least 1 day (for example, a gun, knife, or club during the 30 days before the survey)	14.8	15.9	13.9	—	16.6	* ^c
Carried a weapon on school property on at least 1 day (for example, a gun, knife, or club during the 30 days before the survey)	3.7	4.7	4.2	—	5.4	—
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)	7.8	7.9	6.6	—	5.9	—
Threatened or injured with a weapon on school property one or more times (for example, a gun, knife, or club during the 12 months before the survey)	6.4	7.7	6.3	—	7.4	—
In a physical fight one or more times (during the 12 months before the survey)	28.6	29.5	22.3	*	32.8	*
In a physical fight on school property one or more times (during the 12 months before the survey)	7.0	10.2	8.1	—	12.0	*
Had a boyfriend or girlfriend (during the 12 months before the survey)	61.1	65.3	62.5	—	NA	NA

^a No statistically significant difference ($p < .05$) ^b Not Available

^c There was a statistically significant difference ($p < .05$) between the 2011 and 2007 Hawai'i survey administrations or the 2011 Hawai'i and U.S. survey administrations

(table continues)

Table 1. 2007, 2009, & 2011 HI YRBS Public High School Results & 2011 U.S. Results cont.

Health Risk Behavior	Hawai'i				2011	
	2007 %	2009 %	2011 %	2011 vs. 2007	U.S. %	HI vs. U.S.
Unintentional Injuries and Violence cont.						
Hit, slapped, or physically hurt on purpose by their boyfriend or girlfriend (during the 12 months before the survey)	9.5	13.0	8.5	—	9.4	—
Ever physically forced to have sexual intercourse (when they did not want to)	7.8	10.3	7.1	—	8.0	—
Bullied on school property (during the 12 months before the survey)	NA	NA	20.3	NA	20.1	—
Bullied electronically (including through e-mail, chat rooms, instant messaging, Web sites, or texting during the 12 months before the survey)	NA	NA	14.9	NA	16.2	—
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)	31.8	30.6	29.5	—	28.5	—
Seriously considered attempting suicide (during the 12 months before the survey)	18.5	18.9	16.1	—	15.8	—
Made a plan about how they would attempt suicide (during the 12 months before the survey)	17.0	16.0	15.0	—	12.8	*
Attempted suicide one or more times (during the 12 months before the survey)	12.0	12.8	8.6	*	7.8	—
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)	3.0	4.5	3.4	—	2.4	—
Tobacco Use						
Ever tried cigarette smoking (even one or two puffs)	NA	NA	37.3	NA	44.7	*
Smoked a whole cigarette for the first time before age 13 years	NA	NA	8.7	NA	10.3	—

(table continues)

Table 1. 2007, 2009, & 2011 HI YRBS Public High School Results & 2011 U.S. Results cont.

Health Risk Behavior	Hawai'i				2011	
	2007 %	2009 %	2011 %	2011 vs. 2007	U.S. %	HI vs. U.S.
Tobacco Use cont.						
Smoked cigarettes on at least 1 day (during the 30 days before the survey)	12.8	15.2	10.1	—	18.1	*
Smoked cigarettes on 20 or more days (during the 30 days before the survey)	4.5	4.8	3.9	—	6.4	*
Smoked more than 10 cigarettes per day (among students who currently smoked cigarettes, on the days they smoked during the 30 days before the survey)	NA	NA	6.0	NA	7.8	—
Smoked cigarettes on school property on at least 1 day (during the 30 days before the survey)	NA	NA	3.4	NA	4.9	*
Usually obtained their own cigarettes by buying them in a store or gas station (among the students who were aged <18 years and who currently smoked cigarettes, during the 30 days before the survey)	NA	NA	5.5	NA	14.0	*
Ever smoked at least one cigarette every day for 30 days	NA	NA	7.8	NA	10.2	*
Tried to quit smoking cigarettes (among students who currently smoked cigarettes, during the 12 months before the survey)	58.1	67.4	66.8	—	49.9	*
Used chewing tobacco, snuff, or dip on at least 1 day (during the 30 days before the survey)	NA	4.9	3.5	NA	7.7	*
Used chewing tobacco, snuff, or dip on school property on at least 1 day (during the 30 days before the survey)	NA	NA	2.3	NA	4.8	*
Smoked cigars, cigarillos, or little cigars on at least 1 day (during the 30 days before the survey)	NA	NA	6.8	NA	13.1	*
Smoked cigarettes; smoked cigars, cigarillos, or little cigars; or used chewing tobacco, snuff, or dip on at least 1 day (during the 30 days before the survey)	NA	NA	12.0	NA	23.4	*

(table continues)

Table 1. 2007, 2009, & 2011 HI YRBS Public High School Results & 2011 U.S. Results cont.

Health Risk Behavior	Hawai'i				2011	
	2007 %	2009 %	2011 %	2011 vs. 2007	U.S. %	HI vs. U.S.
Alcohol and Other Drug Use						
Drank alcohol for the first time before age 13 years (other than a few sips)	21.0	28.6	19.2	—	20.5	—
Had at least one drink of alcohol on at least 1 day (during the 30 days before the survey)	29.1	37.8	29.1	—	38.7	*
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)	14.9	22.4	15.4	—	21.9	*
Usually obtained the alcohol they drank by someone giving it to them (among students who currently drank alcohol during the 30 days before the survey)	32.4	47.2	41.4	*	40.0	—
Had at least one drink of alcohol on school property on at least 1 day (during the 30 days before the survey)	6.0	7.9	5.0	—	5.1	—
Had one or more best friends that have tried beer, wine, or hard liquor when their parents did not know about it (during the 12 months before the survey)	NA	NA	36.0	NA	NA	NA
Parents would feel it was a little wrong, wrong, or very wrong for them to drink beer, wine, or hard liquor regularly	NA	NA	88.5	NA	NA	NA
Know one or more adults who got drunk or high (during the 12 months before the survey)	NA	NA	67.7	NA	NA	NA
Ever used alcohol or drugs to relax, feel better about themselves, or fit in	NA	NA	24.3	NA	NA	NA
Ever used alcohol or drugs while they were alone	NA	NA	17.9	NA	NA	NA
Ever forgot things they did while using alcohol or drugs	NA	NA	18.7	NA	NA	NA
Ever had family or friends tell them that they should cut down on their drinking or drug use	NA	NA	14.6	NA	NA	NA

Table 1. 2007, 2009, & 2011 HI YRBS Public High School Results & 2011 U.S. Results cont.

Health Risk Behavior	Hawai'i				2011	
	2007 %	2009 %	2011 %	2011 vs. 2007	U.S. %	HI vs. U.S.
Alcohol and Other Drug Use cont.						
Ever had gotten into trouble while they were using alcohol or drugs	NA	NA	16.2	NA	NA	NA
Would seek help from a counselor or doctor if they thought that their alcohol or drug use was causing them problems	NA	NA	65.1	NA	NA	NA
Tried marijuana for the first time before age 13 years	11.7	11.9	9.5	—	8.1	—
Used marijuana one or more times (during the 30 days before the survey)	15.7	22.1	21.9	*	23.1	—
Used marijuana on school property one or more times (during the 30 days before the survey)	5.7	8.3	7.6	—	5.9	*
Ever used any form of cocaine one or more times (for example, powder, crack, or freebase, during their life)	5.6	6.0	6.4	—	6.8	—
Ever sniffed glue, breathed the contents of aerosol spray cans, or inhaled any paints or sprays to get high one or more times (during their life)	11.4	10.1	9.7	—	11.4	*
Ever used methamphetamines one or more times (also called “speed”, “crystal”, “crank”, or “ice”, during their life)	4.5	3.9	3.4	—	3.8	—
Ever used ecstasy one or more times (also called “MDMA”, during their life)	4.6	8.2	9.0	*	8.2	—
Offered, sold, or given an illegal drug by someone on school property (during the 12 months before the survey)	36.2	36.1	31.7	—	25.6	*
Ever took prescription drugs one or more times without a doctor’s prescription (such as Oxycontin, Percocet, Vicodin, codeine, Adderall, Ritalin, or Xanax, during their life)	NA	NA	14.3	NA	20.7	*

(table continues)

Table 1. 2007, 2009, & 2011 HI YRBS Public High School Results & 2011 U.S. Results cont.

Health Risk Behavior	Hawai'i				2011	
	2007 %	2009 %	2011 %	2011 vs. 2007	U.S. %	HI vs. U.S.
Sexual Behaviors						
Ever had sexual intercourse	36.2	44.3	37.0	—	47.4	*
Had sexual intercourse for the first time before age 13 years	5.1	6.0	5.2	—	6.2	—
Had sexual intercourse with four or more persons (during their life)	6.1	11.1	8.0	—	15.3	*
Had sexual intercourse with at least one person (during the 3 months before the survey)	23.6	30.5	23.9	—	33.7	*
Drank alcohol or used drugs before last sexual intercourse (among students who were currently sexually active)	27.2	30.2	20.9	—	22.1	—
Used a condom during last sexual intercourse (among students who were currently sexually active)	54.2	47.7	43.9	*	60.2	*
Used birth control pills before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active)	12.2	14.5	14.3	—	18.0	*
Used Depo-Provera (or any injectable birth control), Nuva Ring (or any birth control ring), Implanon (or any implant), or any IUD before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active)	NA	NA	6.6	NA	5.3	—
Used birth control pills or Depo-Provera (or any injectable birth control), Nuva Ring (or any birth control ring), Implanon (or any implant), or any IUD before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active)	NA	NA	20.9	NA	23.3	—

(table continues)

Table 1. 2007, 2009, & 2011 HI YRBS Public High School Results & 2011 U.S. Results cont.

Health Risk Behavior	Hawai'i				2011	
	2007 %	2009 %	2011 %	2011 vs. 2007	U.S. %	HI vs. U.S.
Sexual Behaviors cont.						
Used both a condom during last sexual intercourse and birth control pills or Depo-Provera (or any injectable birth control), Nuva Ring (or any birth control ring), Implanon (or any implant), or any IUD before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active)	NA	NA	5.5	NA	9.5	*
Used a method to prevent pregnancy during last sexual intercourse (among students who were currently sexually active)	79.7	79.2	80.2	—	87.1	*
Ever had oral sex	33.3	40.4	36.3	—	NA	NA
Ever had anal sex	13.4	14.2	13.0	—	NA	NA
Ever had sexual contact with both males and females	NA	NA	4.2	NA	NA	NA
Describe themselves as gay or lesbian or bisexual	NA	NA	7.3	NA	NA	NA
Weight Management and Dietary Behaviors						
Overweight (students who were \geq 85th percentile but $<$ 95th percentile for body mass index, based on sex- and age-specific reference data from the 2000 CDC growth charts)	13.9	13.7	13.4	—	15.2	—
Obese (students who were \geq 95th percentile for body mass index, based on sex- and age-specific reference data from the 2000 CDC growth charts)	15.2	14.2	13.2	—	13.0	—
Described themselves as slightly or very overweight	32.7	30.3	31.9	—	29.2	*
Were trying to lose weight	46.3	50.2	49.3	—	NA	NA

(table continues)

Table 1. 2007, 2009, & 2011 HI YRBS Public High School Results & 2011 U.S. Results cont.

Health Risk Behavior	Hawai'i				2011	
	2007 %	2009 %	2011 %	2011 vs. 2007	U.S. %	HI vs. U.S.
Weight Management and Dietary Behaviors cont.						
Did not eat for 24 or more hours to lose weight or to keep from gaining weight (during the 30 days before the survey)	12.2	11.8	13.1	—	12.2	—
Took diet pills, powders or liquids to lose weight or to keep from gaining weight (without a doctor's advice, during the 30 days before the survey)	8.3	5.6	6.5	—	5.1	*
Vomited or took laxatives to lose weight or to keep from gaining weight (during the 30 days before the survey)	7.9	7.1	5.5	*	4.3	*
Drank 100% fruit juices one or more times (during the 7 days before the survey)	69.8	73.5	72.2	—	80.8	*
Ate fruit one or more times (during the 7 days before the survey)	87.2	89.1	88.6	—	88.3	—
Ate green salad one or more times (during the 7 days before the survey)	64.2	68.2	67.6	—	62.0	*
Ate potatoes one or more times (excluding French fries, fried potatoes, or potato chips, during the 7 days before the survey)	59.8	60.1	57.7	—	68.8	*
Ate carrots one or more times (during the 7 days before the survey)	53.7	52.3	52.8	—	48.0	*
Ate other vegetables one or more times (excluding green salad, potatoes, or carrots, during the 7 days before the survey)	77.6	83.6	81.8	—	83.0	—
Ate fruits and vegetables five or more times per day (during the 7 days before the survey)	17.2	17.2	17.5	—	NA	NA
Ate fruit or drank 100% fruit juices (during the 7 days before the survey)	92.5	93.9	93.9	—	95.2	—
Ate fruit or drank 100% fruit juices two or more times per day (during the 7 days before the survey)	24.4	24.4	25.5	—	34.0	*

(table continues)

Table 1. 2007, 2009, & 2011 HI YRBS Public High School Results & 2011 U.S. Results cont.

Health Risk Behavior	Hawai'i				2011	
	2007 %	2009 %	2011 %	2011 vs. 2007	U.S. %	HI vs. U.S.
Weight Management and Dietary Behaviors cont.						
Ate vegetables three or more times per day (green salad, potatoes [excluding French fries, fried potatoes, or potato chips], carrots, or other vegetables, during the 7 days before the survey)	14.2	14.7	13.9	—	15.3	—
Ate fruits two or more times per day and vegetables three or more times per day (during the 7 days before the survey)	9.2	9.1	9.2	—	NA	NA
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)	22.6	20.8	17.5	*	27.8	*
Drank three or more glasses per day of milk (during the 7 days before the survey)	8.3	7.2	9.0	—	NA	NA
Physical Activity						
Physically active at least 60 minutes per day on 5 or more days (doing any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)	34.3	34.4	37.9	—	49.5	*
Physically active at least 60 minutes per day on all 7 days (doing any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)	18.1	18.1	21.0	—	28.7	*
Did not participate in at least 60 minutes of physical activity on any day (doing any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)	18.9	18.3	18.5	—	13.8	*

(table continues)

Table 1. 2007, 2009, & 2011 HI YRBS Public High School Results & 2011 U.S. Results cont.

Health Risk Behavior	Hawai'i				2011	
	2007 %	2009 %	2011 %	2011 vs. 2007	U.S. %	HI vs. U.S.
Physical Activity cont.						
Attended physical education classes on 1 or more days in an average week (when they were in school)	38.5	43.8	41.6	—	51.8	*
Attended physical education classes 5 days in an average week (when they were in school)	7.8	11.4	6.9	—	31.5	*
Watched television 3 or more hours per day (on an average school day)	32.9	30.1	31.7	—	32.4	—
Used computers 3 or more hours per day (played video or computer games or used a computer for something that was not school work on an average school day)	31.1	27.4	36.6	*	31.1	*
Played on at least one sports team (run by their school or community groups during the 12 months before the survey)	NA	NA	54.8	NA	58.4	*
Other Health Topics						
Had one or more tattoos	NA	NA	10.2	NA	NA	NA
Had one or more tattoos that were done outside of a licensed tattoo shop	NA	NA	5.1	NA	NA	NA
Were ever taught in school about AIDS or HIV infection	87.1	80.9	83.6	*	84.0	—
Ever had a doctor or nurse discuss ways to prevent pregnancy, sexually transmitted diseases (STDs), and AIDS or HIV infection with them	NA	NA	50.3	NA	NA	NA
Ever had parents or other adults in their family talk with them about what they expect them to do or not to do when it comes to sex	55.9	55.4	57.7	—	NA	NA
Ever had a parent or another adult in their family talk with them about the dangers of tobacco, alcohol, or drug use (during the 12 months before the survey)	NA	NA	45.3	NA	NA	NA

(table continues)

Table 1. 2007, 2009, & 2011 HI YRBS Public High School Results & 2011 U.S. Results cont.

Health Risk Behavior	Hawai'i				2011	
	2007 %	2009 %	2011 %	2011 vs. 2007	U.S. %	HI vs. U.S.
Other Health Topics cont.						
Had at least one teacher or other adult in their school that they could talk to if they have a problem	NA	65.5	66.3	NA	NA	NA
Had an adult outside of school they could talk to about things that are important to them	NA	76.5	77.3	NA	NA	NA
Grades in school were mostly A's and B's (during the 12 months before the survey)	NA	57.1	62.5	NA	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	75.6	74.6	80.2	—	NA	NA

Table 2. 2005^a–2011 Hawai‘i Youth Risk Behavior Survey Public High School Trends

Health Risk Behavior	1999^b %	2005 %	2011 %	Linear Change 2005–2011^c
Unintentional Injuries and Violence				
Rarely or never wore a bicycle helmet (among students who had ridden a bicycle during the 12 months before the survey)	89.5	85.7	87.6	Increased ^d
Carried a weapon on at least 1 day (for example, a gun, knife, or club during the 30 days before the survey)	13.7	13.3	13.9	— ^e
Carried a weapon on school property on at least 1 day (for example, a gun, knife, or club during the 30 days before the survey)	6.0	4.9	4.2	Decreased
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)	11.4	6.7	6.6	—
Threatened or injured with a weapon on school property one or more times (for example, a gun, knife, or club during the 12 months before the survey)	6.7	6.8	6.3	—
In a physical fight one or more times (during the 12 months before the survey)	30.6	27.0	22.3	Decreased
In a physical fight on school property one or more times (during the 12 months before the survey)	11.5	10.0	8.1	Decreased
Hit, slapped, or physically hurt on purpose by their boyfriend or girlfriend (during the 12 months before the survey)	NA ^f	9.5 (2007)	8.5	—
Ever were physically forced to have sexual intercourse (when they did not want to)	NA	10.3	7.1	Decreased

^a Year data were first used for analysis is listed below percentage if item was not asked in 2005

^b 1999 data provided for historical reference

^c Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade

^d Statistically significant change during the entire time period

^e No statistically significant difference ($p < .05$)

^f Not available

(table continues)

Table 2. 2005–2011 Hawai‘i Youth Risk Behavior Survey Public High School Trends cont.

Health Risk Behavior	1999 %	2005 %	2011 %	Linear Change 2005–2011
Unintentional Injuries and Violence 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)	31.8	31.8	29.5	—
Seriously considered attempting suicide (during the 12 months before the survey)	23.3	19.8	16.1	Decreased
Made a plan about how they would attempt suicide (during the 12 months before the survey)	18.5	17.2	15.0	Decreased
Attempted suicide one or more times (during the 12 months before the survey)	10.1	12.9	8.6	—
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)	3.7	3.7	3.4	—
Tobacco Use				
Smoked cigarettes on at least 1 day (during the 30 days before the survey)	27.9	16.4	10.1	Decreased
Smoked cigarettes on 20 or more days (during the 30 days before the survey)	13.1	4.8	3.9	Decreased
Tried to quit smoking cigarettes (among students who currently smoked cigarettes, during the 12 months before the survey)	NA	58.1 (2007)	66.8	—
Alcohol and Other Drug Use				
Drank alcohol for the first time before age 13 years (other than a few sips)	33.6	27.3	19.2	Decreased
Had at least one drink of alcohol on at least 1 day (during the 30 days before the survey)	44.6	34.8	29.1	Decreased
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)	26.8	18.8	15.4	Decreased

(table continues)

Table 2. 2005–2011 Hawai‘i Youth Risk Behavior Survey Public High School Trends cont.

Health Risk Behavior	1999 %	2005 %	2011 %	Linear Change 2005–2011
Alcohol and Other Drug Use cont.				
Usually obtained the alcohol they drank by someone giving it to them (among students who currently drank alcohol during the 30 days before the survey)	NA	32.4 (2007)	41.4	—
Had at least one drink of alcohol on school property on at least 1 day (during the 30 days before the survey)	7.7	8.8	5.0	—
Tried marijuana for the first time before age 13 years	14.8	12.5	9.5	Decreased
Used marijuana one or more times (during the 30 days before the survey)	24.7	17.2	21.9	—
Used marijuana on school property one or more times (during the 30 days before the survey)	9.3	7.2	7.6	Increased
Ever used any form of cocaine one or more times (for example, powder, crack, or freebase, during their life)	7.8	6.5	6.4	Decreased
Ever sniffed glue, breathed the contents of aerosol spray cans, or inhaled any paints or sprays to get high one or more times (during their life)	12.9	13.0	9.7	Decreased
Ever used methamphetamines one or more times (also called “speed”, “crystal”, “crank”, or “ice”, during their life)	7.7	4.3	3.4	Decreased
Ever used ecstasy one or more times (also called “MDMA”, during their life)	NA	6.1	9.0	Increased
Offered, sold, or given an illegal drug by someone on school property (during the 12 months before the survey)	36.3	32.7	31.7	—
Sexual Behaviors				
Ever had sexual intercourse	41.0	35.7	37.0	Increased
Had sexual intercourse for the first time before age 13 years	6.8	5.1	5.2	Increased

(table continues)

Table 2. 2005–2011 Hawai‘i Youth Risk Behavior Survey Public High School Trends cont.

Health Risk Behavior	1999 %	2005 %	2011 %	Linear Change 2005–2011
Sexual Behaviors cont.				
Had sexual intercourse with four or more persons (during their life)	12.2	9.0	8.0	Decreased
Had sexual intercourse with at least one person (during the 3 months before the survey)	28.5	24.1	23.9	—
Drank alcohol or used drugs before last sexual intercourse (among students who were currently sexually active)	26.8	22.8	20.9	Decreased
Used a condom during last sexual intercourse (among students who were currently sexually active)	47.1	47.6	43.9	—
Used birth control pills before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active)	18.1	12.7	14.3	—
Used Depo-Provera (or any injectable birth control), Nuva Ring (or any birth control ring), Implanon (or any implant), or any IUD before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active)	5.2	4.5	6.6	—
Used birth control pills or Depo-Provera (or any injectable birth control), Nuva Ring (or any birth control ring), Implanon (or any implant), or any IUD before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active)	23.3	17.2	20.9	—
Used both a condom during last sexual intercourse and birth control pills or Depo-Provera (or any injectable birth control), Nuva Ring (or any birth control ring), Implanon (or any implant), or any IUD before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active)	4.6	4.3	5.5	—

(table continues)

Table 2. 2005–2011 Hawai‘i Youth Risk Behavior Survey Public High School Trends cont.

Health Risk Behavior	1999 %	2005 %	2011 %	Linear Change 2005–2011
Weight Management and Dietary Behaviors				
Overweight (students who were \geq 85th percentile but < 95th percentile for body mass index, based on sex- and age-specific reference data from the 2000 CDC growth charts)	14.0	13.7	13.4	—
Obese (students who were \geq 95th percentile for body mass index, based on sex- and age-specific reference data from the 2000 CDC growth charts)	10.2	13.1	13.2	Increased
Described themselves as slightly or very overweight	33.5	29.6	31.9	Increased
Were trying to lose weight	47.1	47.9	49.3	Increased
Did not eat for 24 or more hours to lose weight or to keep from gaining weight (during the 30 days before the survey)	11.8	12.1	13.1	—
Took diet pills, powders or liquids to lose weight or to keep from gaining weight (without a doctor’s advice, during the 30 days before the survey)	7.2	5.3	6.5	—
Vomited or took laxatives to lose weight or to keep from gaining weight (during the 30 days before the survey)	4.7	6.0	5.5	Decreased
Drank 100% fruit juices one or more times (during the 7 days before the survey)	71.1	72.9	72.2	—
Ate fruit one or more times (during the 7 days before the survey)	88.8	85.7	88.6	—
Ate green salad one or more times (during the 7 days before the survey)	72.1	69.0	67.6	Decreased
Ate potatoes one or more times (excluding French fries, fried potatoes, or potato chips, during the 7 days before the survey)	59.2	58.1	57.7	—
Ate carrots one or more times (during the 7 days before the survey)	59.7	56.9	52.8	Decreased
Ate other vegetables one or more times (excluding green salad, potatoes, or carrots, during the 7 days before the survey)	85.9	82.2	81.8	Decreased

(table continues)

Table 2. 2005–2011 Hawai‘i Youth Risk Behavior Survey Public High School Trends cont.

Health Risk Behavior	1999 %	2005 %	2011 %	Linear Change 2005–2011
Weight Management and Dietary Behaviors cont.				
Ate fruits and vegetables five or more times per day (during the 7 days before the survey)	21.1	19.1	17.5	Decreased
Ate vegetables three or more times per day (green salad, potatoes [excluding French fries, fried potatoes, or potato chips], carrots, or other vegetables, during the 7 days before the survey)	14.9	13.4	13.9	—
Ate fruits two or more times per day and vegetables three or more times per day (during the 7 days before the survey)	10.0	9.3	9.2	—
Ate fruits two or more times per day (during the 7 days before the survey)	27.2	27.5	25.5	—
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	22.6 (2007)	17.5	Decreased (2007–2011)
Physical Activity				
Physically active at least 60 minutes per day on 5 or more days (doing any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)	NA	30.2	37.9	Increased
Physically active at least 60 minutes per day on all 7 days (doing any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)	NA	14.9	21.0	Increased
Did not participate in at least 60 minutes of physical activity on any day (doing any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)	NA	25.7	18.5	Decreased
Attended physical education classes on 1 or more days in an average week (when they were in school)	41.9	38.1	41.6	—

(table continues)

Table 2. 2005–2011 Hawai‘i Youth Risk Behavior Survey Public High School Trends cont.

Health Risk Behavior	1999 %	2005 %	2011 %	Linear Change 2005–2011
Physical Activity cont.				
Attended physical education classes 5 days in an average week (when they were in school)	8.9	12.1	6.9	Decreased
Watched television 3 or more hours per day (on an average school day)	44.7	36.9	31.7	Decreased
Used computers 3 or more hours per day (played video or computer games or used a computer for something that was not school work on an average school day)	NA	31.1 (2007)	36.6	Increased (2007–2011)
Other Health Behavior				
Were ever taught in school about AIDS or HIV infection	90.6	83.2	83.6	Increased

Table 3. 2007, 2009, and 2011 Hawai'i Youth Risk Behavior Survey Public Middle School Results
(2007 *n* = 1,231; 2009 *n* = 1,611; and 2011 *n* = 5,109)

Health Risk Behavior	2007 %	2009 %	2011 %	2011 vs. 2007
Unintentional Injuries and Violence				
Rarely or never wore a bicycle helmet (among students who had ridden a bicycle)	75.2	81.2	75.4	— ^a
Rarely or never wore a helmet (among students who used rollerblades or rode a skateboard)	79.2	81.5	79.5	—
Were in a vehicle driven by someone, including themselves, who had been using alcohol or other drugs (in the 30 days before the survey)	NA ^b	NA	17.8	NA
Carried a weapon on at least 1 day (for example, a gun, knife, or club during the 12 months before the survey)	NA	NA	16.4	NA
Carried a weapon on school property on at least 1 day (for example, a gun, knife, or club during the 12 months before the survey)	4.9	6.1	3.5	—
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)	7.1	9.2	6.8	—
Threatened or injured with a weapon on school property one or more times (for example, a gun, knife, or club during the 12 months before the survey)	5.9	6.9	5.6	—
In a physical fight one or more times (during the 12 months before the survey)	NA	NA	25.5	NA
In a physical fight on school property one or more times (during the 12 months before the survey)	17.2	20.7	11.3	* ^c
Hurt in a physical fight and had to be treated by a doctor or nurse (during the 12 months before the survey)	NA	NA	4.1	NA
Had a boyfriend or girlfriend (during the 12 months before the survey)	43.9	51.7	51.2	*

^a No statistically significant difference ($p < .05$) ^b Not Available

^c There was a statistically significant difference ($p < .05$) between the 2011 and 2007 survey administrations

(table continues)

Table 3. 2007, 2009 and 2011 Hawai'i YRBS Public Middle School Results cont.

Health Risk Behavior	2007 %	2009 %	2011 %	2011 vs. 2007
Unintentional Injuries and Violence cont.				
Hit, slapped, or physically hurt on purpose by their boyfriend or girlfriend (during the 12 months before the survey)	5.2	4.0	3.8	—
Ever physically forced to have sexual intercourse (when they did not want to)	4.5	5.1	4.2	—
Ever bullied on school property	NA	NA	40.7	NA
Ever been electronically bullied (including through e-mail, chat rooms, instant messaging, Web sites, or texting)	NA	NA	23.7	NA
Strongly disagree or disagree that harassment and bullying by other students is a problem at their school	NA	9.0	11.2	NA
Ever felt sad or hopeless (almost every day for 2 or more weeks in a row that they stopped doing some usual activities)	NA	NA	25.8	NA
Ever seriously thought about killing themselves	NA	NA	22.5	NA
Ever made a plan about how they would kill themselves	NA	NA	15.5	NA
Ever tried to kill themselves	NA	NA	9.2	NA
Tried to kill themselves and attempt resulted in an injury, poisoning, or overdose that had to be treated by a doctor or nurse	NA	NA	10.4	NA
Tobacco Use				
Ever tried cigarette smoking (even one or two puffs)	NA	NA	18.7	NA
Smoked cigarettes on at least 1 day (during the 30 days before the survey)	8.9	8.2	7.2	—
Smoked cigarettes on 20 or more days (during the 30 days before the survey)	1.2	1.5	0.9	—
Ever used chewing tobacco, snuff, or dip (such as Redman, Levi Garret, Beechnut, Skoal, Skoal Bandits, or Copenhagen)	NA	NA	5.7	NA
Used chewing tobacco, snuff, or dip on at least 1 day (during the 30 days before the survey)	NA	4.6	4.0	NA

(table continues)

Table 3. 2007, 2009 and 2011 Hawai'i YRBS Public Middle School Results cont.

Health Risk Behavior	2007 %	2009 %	2011 %	2011 vs. 2007
Tobacco Use cont.				
Ever used e-cigarettes	NA	NA	4.2	NA
Ever used sticks, strips, or orbs	NA	NA	2.7	NA
Alcohol and Other Drug Use				
Drank alcohol for the first time before age 11 years (other than a few sips)	16.9	16.7	16.3	—
Had at least one drink of alcohol on at least 1 day (during the 30 days before the survey)	14.5	15.3	12.5	—
Had at least one drink of alcohol on school property on at least 1 day (during the 30 days before the survey)	2.7	3.4	2.6	—
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	7.7	NA
Had one or more best friends that have tried beer, wine, or hard liquor when their parents did not know about it (during the 12 months before the survey)	NA	NA	22.5	NA
Parents would feel it was a little wrong, wrong, or very wrong for them to drink beer, wine, or hard liquor regularly	NA	NA	89.1	NA
Tried marijuana for the first time before age 11 years	4.4	4.3	4.7	—
Used marijuana one or more times (during the 30 days before the survey)	6.4	7.5	9.3	— ^d
Used marijuana on school property one or more times (during the 30 days before the survey)	2.1	2.0	2.2	—
Ever used any form of cocaine (for example, powder, crack, or freebase)	1.5	1.7	2.9	*
Ever sniffed glue, breathed the contents of spray cans, or inhaled any paints or sprays to get high one or more times	8.6	9.8	9.7	—

^dIn 2009 the response options were “yes” or “no.” In 2011 the items asked for the number of times and the responses were recoded to “yes” or “no.” These results are not statistically significantly comparable, but the responses are of interest. Research shows that respondents do not necessarily respond in the same manner as is evident with the 2011 results where 9.7% of students reported “ever” sniffing glue . . . but 10.3% reported do so in the “30 days before the survey.”

(table continues)

Table 3. 2007, 2009 and 2011 Hawai'i YRBS Public Middle School Results cont.

Health Risk Behavior	2007 %	2009 %	2011 %	2011 vs. 2007
Alcohol and Other Drug Use cont.				
Sniffed glue, breathed the contents of aerosol spray cans, or inhaled any paints or sprays to get high one or more times (during the 30 days before the survey)	5.1	4.3	10.3	—
Ever used methamphetamines (also called “speed”, “crystal”, “crank”, or “ice”)	1.5	1.7	2.6	—
Ever used ecstasy (also called “MDMA”)	1.7	1.8	2.2	—
Ever took prescription drugs one or more times without a doctor’s prescription (such as Oxycontin, Percocet, Vicodin, codeine, Adderall, Ritalin, or Xanax)	NA	NA	5.0	NA
Offered, sold, or given an illegal drug by someone on school property (during the 12 months before the survey)	5.6	10.4	9.3	*
Attended school under the influence of alcohol or other illegal drugs, such as marijuana or cocaine (during the 12 months before the survey)	NA	6.4	7.0	NA
Ever used alcohol or drugs to relax, feel better about themselves, or fit in	NA	NA	9.7	NA
Ever used alcohol or drugs while they are alone	NA	NA	7.8	NA
Ever forgot things they did while using alcohol or drugs	NA	NA	7.7	NA
Ever had family or friends tell them that they should cut down on their drinking or drug use	NA	NA	8.4	NA
Ever had gotten into trouble while they were using alcohol or drugs	NA	NA	7.1	NA
Would seek help from a counselor or doctor if they thought that their alcohol or drug use was causing them problems	NA	NA	55.8	NA
Sexual Behaviors				
Ever had sexual intercourse	8.7	12.5	10.4	—
Had sexual intercourse for the first time before age 11 years	1.9	3.3	3.5	*
Ever had sexual intercourse with three or more persons	2.8	4.2	2.5	—
Used a condom during last sexual intercourse (among students who ever had sexual intercourse)	NA	66.7	62.6	NA

(table continues)

Table 3. 2007, 2009 and 2011 Hawai'i YRBS Public Middle School Results cont.

Health Risk Behavior	2007 %	2009 %	2011 %	2011 vs. 2007
Weight Management				
Described themselves as slightly or very overweight	31.4	27.1	27.3	—
Were trying to lose weight	51.1	51.4	47.8	—
Ever exercised to lose weight or to keep from gaining weight	73.6	70.2	71.3	—
Ever ate less food, fewer calories, or foods low in fat to lose weight or to keep from gaining weight	47.7	45.2	45.0	—
Ever went without eating for 24 or more hours (also called fasting) to lose weight or to keep from gaining weight	15.5	14.9	15.1	—
Ever took diet pills, powders, or liquids to lose weight or to keep from gaining weight (without a doctor's advice)	4.0	4.8	4.9	—
Ever vomited or took laxatives to lose weight or to keep from gaining weight	5.3	5.5	4.3	—
Physical Activity				
Physically active at least 60 minutes per day on 5 or more days (doing any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)	40.4	44.8	44.4	—
Physically active at least 60 minutes per day on all 7 days (doing any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)	19.7	26.0	25.0	*
Did not participate in at least 60 minutes of physical activity on any day (doing any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)	13.6	16.3	16.0	—
Attended physical education classes on 1 or more days in an average week (when they were in school)	51.9	69.9	65.6	*
Attended physical education classes 5 days in an average week (when they were in school)	14.7	19.0	14.9	—
Watched television 3 or more hours per day (on an average school day)	39.5	39.8	39.4	—

(table continues)

Table 3. 2007, 2009 and 2011 Hawai'i YRBS Public Middle School Results cont.

Health Risk Behavior	2007 %	2009 %	2011 %	2011 vs. 2007
Physical Activity cont.				
Used computers 3 or more hours per day (played video or computer games or used a computer for something that was not school work on an average school day)	25.2	30.7	37.5	*
Played on at least one sports team (run by their school or community groups during the 12 months before the survey)	57.0	59.3	58.8	—
Other Health Topics				
Were ever taught in school about AIDS or HIV infection	56.1	61.3	60.0	—
Ever had a doctor or nurse discuss ways to prevent pregnancy, sexually transmitted diseases (STDs), and AIDS or HIV with them	NA	NA	23.8	NA
Ever had parents or other adults in their family talk with them about what they expect them to do or not to do when it comes to sex	37.9	42.9	38.7	—
Had at least one teacher or other adult in their school that they could talk to if they have a problem	NA	69.8	64.3	NA
Had an adult outside of school that they could talk to about things that are important to them	NA	NA	67.8	NA
Ever had a parent or another adult in their family talk with them about the dangers of tobacco, alcohol, or drug use (during the 12 months before the survey)	NA	NA	43.0	NA
Grades in school were mostly A's and B's (during the 12 months before the survey)	NA	61.3	64.8	NA
Thought they probably or definitely will complete high school	81.5	86.2	85.4	—

Table 4. 2007–2011 Hawai‘i Youth Risk Behavior Survey Public Middle School Trends

Health Risk Behavior	2007 %	2011 %	Linear Change 2007–2011^a
Unintentional Injuries and Violence			
Rarely or never wore a bicycle helmet (among students who ridden a bicycle)	75.2	75.4	— ^b
Rarely or never wore a helmet (among students who used rollerblades or rode a skateboard)	79.2	79.5	—
Tobacco Use			
Smoked cigarettes on at least 1 day (during the 30 days before the survey)	8.9	7.2	Decreased ^c
Smoked cigarettes on 20 or more days (during the 30 days before the survey)	1.2	0.9	—
Alcohol and Other Drug Use			
Drank alcohol for the first time before age 11 years (other than a few sips)	16.9	16.3	—
Tried marijuana for the first time before age 11 years	4.4	4.7	—
Ever used any form of cocaine (for example, powder, crack, or freebase)	1.5	2.9	Increased
Sexual Behaviors			
Ever had sexual intercourse	8.7	10.4	Increased
Had sexual intercourse for the first time before age 11 years	1.9	3.5	—
Ever had sexual intercourse with three or more persons	2.8	2.5	—
Weight Management and Dietary Behaviors			
Described themselves as slightly or very overweight	31.4	27.3	—
Were trying to lose weight	51.1	47.8	Decreased
Ever went without eating for 24 or more hours (also called fasting) to lose weight or to keep from gaining weight	15.5	15.1	—

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

^b No statistically significant difference ($p < .05$)

^c Statistically significant change during the entire time period

(table continues)

Table 4. 2007–2011 Hawai‘i YRBS Public Middle School Trends cont.

Health Risk Behavior	2007 %	2011 %	Linear Change 2007–2011
Weight Management and Dietary Behaviors cont.			
Ever took diet pills, powders, or liquids to lose weight or to keep from gaining weight (without a doctor’s advice)	4.0	4.9	—
Ever vomited or took laxatives to lose weight or to keep from gaining weight	5.3	4.3	—
Physical Activity			
Physically active at least 60 minutes per day on 5 or more days (doing any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)	40.4	44.4	—
Physically active at least 60 minutes per day on all 7 days (doing any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)	19.7	25.0	—
Did not participate in at least 60 minutes of physical activity on any day (doing any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)	13.6	16.0	—
Attended physical education classes on 1 or more days in an average week (when they were in school)	51.9	65.6	Increased
Attended physical education classes 5 days in an average week (when they were in school)	14.7	14.9	—
Watched television 3 or more hours per day (on an average school day)	39.5	39.4	Decreased
Used computers 3 or more hours per day (played video or computer games or used a computer for something that was not school work on an average school day)	25.2	37.5	Increased
Played on one or more sports teams (during the 12 months before the survey)	57.0	58.8	—
Other Health Behavior			
Were ever taught in school about AIDS or HIV infection	56.1	60.0	Increased

Table 5. 2011 Hawai‘i Youth Risk Behavior Survey Public High School Honolulu County (n = 1,362) vs. State (n = 4,329) Results

Health Risk Behavior	State %	Honolulu County %	Honolulu County vs. State
Unintentional Injuries and Violence			
Rarely or never wore a bicycle helmet (among students who had ridden a bicycle during the 12 months before the survey)	87.6	87.9	— ^a
Were in a vehicle driven by someone, including themselves, who had been using alcohol or other drugs (in the 30 days before the survey)	30.9	28.7	—
Carried a weapon on at least 1 day (for example, a gun, knife, or club during the 30 days before the survey)	13.9	11.6	—
Carried a weapon on school property on at least 1 day (for example, a gun, knife, or club during the 30 days before the survey)	4.2	3.9	—
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)	6.6	6.1	—
Threatened or injured with a weapon on school property one or more times (for example, a gun, knife, or club during the 12 months before the survey)	6.3	6.3	—
In a physical fight one or more times (during the 12 months before the survey)	22.3	20.9	—
In a physical fight on school property one or more times (during the 12 months before the survey)	8.1	7.4	—
Had a boyfriend or girlfriend (during the 12 months before the survey)	62.5	61.6	—
Hit, slapped, or physically hurt on purpose by their boyfriend or girlfriend (during the 12 months before the survey)	8.5	7.8	—
Ever physically forced to have sexual intercourse (when they did not want to)	7.1	6.4	—
Bullied on school property (during the 12 months before the survey)	20.3	19.7	—

^a No statistically significant difference ($p < .05$)

(table continues)

Table 5. 2011 Hawai‘i YRBS Public High School Honolulu County vs. State Results cont.

Health Risk Behavior	State %	Honolulu County %	Honolulu County vs. State
Unintentional Injuries and Violence cont.			
Bullied electronically (including through e-mail, chat rooms, instant messaging, Web sites, or texting during the 12 months before the survey)	14.9	14.7	—
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)	29.5	30.2	—
Seriously considered attempting suicide (during the 12 months before the survey)	16.1	16.1	—
Made a plan about how they would attempt suicide (during the 12 months before the survey)	15.0	15.2	—
Attempted suicide one or more times (during the 12 months before the survey)	8.6	7.9	—
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	3.4	—
Tobacco Use			
Ever tried cigarette smoking (even one or two puffs)	37.3	36.2	—
Smoked a whole cigarette for the first time before age 13 years	8.7	8.2	—
Smoked cigarettes on at least 1 day (during the 30 days before the survey)	10.1	9.7	—
Smoked cigarettes on 20 or more days (during the 30 days before the survey)	3.9	4.0	—
Smoked more than 10 cigarettes per day (among students who currently smoked cigarettes, on the days they smoked during the 30 days before the survey)	6.0	4.4	—
Smoked cigarettes on school property on at least 1 day (during the 30 days before the survey)	3.4	3.1	—

(table continues)

Table 5. 2011 Hawai'i YRBS Public High School Honolulu County vs. State Results cont.

Health Risk Behavior	State %	Honolulu County %	Honolulu County vs. State
Tobacco Use cont.			
Usually obtained their own cigarettes by buying them in a store or gas station (among the students who were aged <18 years and who currently smoked cigarettes, during the 30 days before the survey)	5.5	4.0	—
Ever smoked at least one cigarette every day for 30 days	7.8	8.0	—
Tried to quit smoking cigarettes (among students who currently smoked cigarettes, during the 12 months before the survey)	66.8	70.5	—
Used chewing tobacco, snuff, or dip on at least 1 day (during the 30 days before the survey)	3.5	2.9	—
Used chewing tobacco, snuff, or dip on school property on at least 1 day (during the 30 days before the survey)	2.3	1.8	—
Smoked cigars, cigarillos, or little cigars on at least 1 day (during the 30 days before the survey)	6.8	5.9	—
Smoked cigarettes; smoked cigars, cigarillos, or little cigars; or used chewing tobacco, snuff, or dip on at least 1 day (during the 30 days before the survey)	12.0	11.1	—
Alcohol and Other Drug Use			
Drank alcohol for the first time before age 13 years (other than a few sips)	19.2	17.5	—
Had at least one drink of alcohol on at least 1 day (during the 30 days before the survey)	29.1	26.8	—
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)	15.4	13.4	—
Usually obtained the alcohol they drank by someone giving it to them (among students who currently drank alcohol during the 30 days before the survey)	41.4	41.8	—

(table continues)

Table 5. 2011 Hawai‘i YRBS Public High School Honolulu County vs. State Results cont.

Health Risk Behavior	State %	Honolulu County %	Honolulu County vs. State
Alcohol and Other Drug Use cont.			
Had at least one drink of alcohol on school property on at least 1 day (during the 30 days before the survey)	5.0	3.7	* ^b
Had one or more best friends that have tried beer, wine, or hard liquor when their parents did not know about it (during the 12 months before the survey)	36.0	33.9	—
Parents would feel it was a little wrong, wrong, or very wrong for them to drink beer, wine, or hard liquor regularly	88.5	88.6	—
Know one or more adults who got drunk or high (during the 12 months before the survey)	67.7	65.0	—
Ever used alcohol or drugs to relax, feel better about themselves, or fit in	24.3	22.6	—
Ever used alcohol or drugs while they were alone	17.9	15.6	—
Ever forgot things they did while using alcohol or drugs	18.7	17.1	—
Ever had family or friends tell them that they should cut down on their drinking or drug use	14.6	14.0	—
Ever had gotten into trouble while they were using alcohol or drugs	16.2	14.5	—
Would seek help from a counselor or doctor if they thought that their alcohol or drug use was causing them problems	65.1	65.2	—
Tried marijuana for the first time before age 13 years	9.5	6.7	*
Used marijuana one or more times (during the 30 days before the survey)	21.9	19.1	—
Used marijuana on school property one or more times (during the 30 days before the survey)	7.6	6.2	—
Ever used any form of cocaine one or more times (for example, powder, crack, or freebase, during their life)	6.4	5.4	—

^b There was a statistically significantly difference ($p < .05$) between Honolulu County and State survey administrations

(table continues)

Table 5. 2011 Hawai‘i YRBS Public High School Honolulu County vs. State Results cont.

Health Risk Behavior	State %	Honolulu County %	Honolulu County vs. State
Alcohol and Other Drug Use cont.			
Ever sniffed glue, breathed the contents of aerosol spray cans, or inhaled any paints or sprays to get high one or more times (during their life)	9.7	9.3	—
Ever used methamphetamines one or more times (also called “speed”, “crystal”, “crank”, or “ice”, during their life)	3.4	2.3	—
Ever used ecstasy one or more times (also called “MDMA”, during their life)	9.0	9.0	—
Offered, sold, or given an illegal drug by someone on school property (during the 12 months before the survey)	31.7	31.8	—
Ever took prescription drugs one or more times without a doctor’s prescription (such as Oxycontin, Percocet, Vicodin, codeine, Adderall, Ritalin, or Xanax, during their life)	14.3	12.3	—
Sexual Behaviors			
Ever had sexual intercourse	37.0	35.4	—
Had sexual intercourse for the first time before age 13 years	5.2	4.7	—
Had sexual intercourse with four or more persons (during their life)	8.0	7.2	—
Had sexual intercourse with at least one person (during the 3 months before the survey)	23.9	22.3	—
Drank alcohol or used drugs before last sexual intercourse (among students who were currently sexually active)	20.9	20.5	—
Used a condom during last sexual intercourse (among students who were currently sexually active)	43.9	43.7	—
Used birth control pills before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active)	14.3	11.7	—

(table continues)

Table 5. 2011 Hawai‘i YRBS Public High School Honolulu County vs. State Results cont.

Health Risk Behavior	State %	Honolulu County %	Honolulu County vs. State
Sexual Behaviors cont.			
Used Depo-Provera (or any injectable birth control), Nuva Ring (or any birth control ring), Implanon (or any implant), or any IUD before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active)	6.6	5.8	—
Used birth control pills or Depo-Provera (or any injectable birth control), Nuva Ring (or any birth control ring), Implanon (or any implant), or any IUD before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active)	20.9	17.4	—
Used both a condom during last sexual intercourse and birth control pills or Depo-Provera (or any injectable birth control), Nuva Ring (or any birth control ring), Implanon (or any implant), or any IUD before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active)	5.5	5.4	—
Ever had oral sex	36.3	36.2	—
Ever had anal sex	13.0	13.2	—
Ever had sexual contact with both males and females	4.2	4.1	—
Describe themselves as gay or lesbian or bisexual	7.3	7.4	—
Weight Management and Dietary Behaviors			
Overweight (students who were \geq 85th percentile but $<$ 95th percentile for body mass index, based on sex- and age-specific reference data from the 2000 CDC growth charts)	13.4	12.5	—
Obese (students who were \geq 95th percentile for body mass index, based on sex- and age-specific reference data from the 2000 CDC growth charts)	13.2	13.3	—
Described themselves as slightly or very overweight	31.9	33.0	—
Were trying to lose weight	49.3	49.8	—

(table continues)

Table 5. 2011 Hawai'i YRBS Public High School Honolulu County vs. State Results cont.

Health Risk Behavior	State %	Honolulu County %	Honolulu County vs. State
Weight Management and Dietary Behaviors cont.			
Did not eat for 24 or more hours to lose weight or to keep from gaining weight (during the 30 days before the survey)	13.1	12.1	—
Took diet pills, powders or liquids to lose weight or to keep from gaining weight (without a doctor's advice, during the 30 days before the survey)	6.5	6.4	—
Vomited or took laxatives to lose weight or to keep from gaining weight (during the 30 days before the survey)	5.5	5.1	—
Drank 100% fruit juices one or more times (during the 7 days before the survey)	72.2	72.4	—
Ate fruit one or more times (during the 7 days before the survey)	88.6	88.2	—
Ate green salad one or more times (during the 7 days before the survey)	67.6	65.9	—
Ate potatoes one or more times (excluding French fries, fried potatoes, or potato chips, during the 7 days before the survey)	57.7	54.7	—
Ate carrots one or more times (during the 7 days before the survey)	52.8	50.8	—
Ate other vegetables one or more times (excluding green salad, potatoes, or carrots, during the 7 days before the survey)	81.8	81.5	—
Ate fruits and vegetables five or more times per day (during the 7 days before the survey)	17.5	16.3	—
Ate vegetables three or more times per day (green salad, potatoes [excluding French fries, fried potatoes, or potato chips], carrots, or other vegetables, during the 7 days before the survey)	13.9	12.3	—
Ate fruits two or more times per day and vegetables three or more times per day (during the 7 days before the survey)	9.2	8.3	—

(table continues)

Table 5. 2011 Hawai‘i YRBS Public High School Honolulu County vs. State Results cont.

Health Risk Behavior	State %	Honolulu County %	Honolulu County vs. State
Weight Management and Dietary Behaviors cont.			
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)	17.5	16.9	—
Drank three or more glasses per day of milk (during the 7 days before the survey)	9.0	8.9	—
Physical Activity			
Physically active at least 60 minutes per day on 5 or more days (doing any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)	37.9	36.8	—
Physically active at least 60 minutes per day on all 7 days (doing any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)	21.0	20.1	—
Did not participate in at least 60 minutes of physical activity on any day (doing any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)	18.5	19.6	—
Attended physical education classes on 1 or more days in an average week (when they were in school)	41.6	39.7	—
Attended physical education classes daily (when they were in school)	6.9	6.4	—
Watched television 3 or more hours per day (on an average school day)	31.7	33.0	—
Used computers 3 or more hours per day (played video or computer games or used a computer for something that was not school work on an average school day)	36.6	39.6	—
Played on at least one sports team (run by their school or community groups during the 12 months before the survey)	54.8	53.9	—

(table continues)

Table 5. 2011 Hawai‘i YRBS Public High School Honolulu County vs. State Results cont.

Health Risk Behavior	State %	Honolulu County %	Honolulu County vs. State
Other Health Topics			
Had one or more tattoos	10.2	8.9	—
Had one or more tattoos that were done outside of a licensed tattoo shop	5.1	4.5	—
Were ever taught in school about AIDS or HIV infection	83.6	84.5	—
Ever had a doctor or nurse discuss ways to prevent pregnancy, sexually transmitted diseases (STDs), and AIDS or HIV infection with them	50.3	48.9	—
Ever had parents or other adults in their family talk with them about what they expect them to do or not to do when it comes to sex	57.7	57.0	—
Ever had a parent or another adult in their family talk with them about the dangers of tobacco, alcohol, or drug use (during the 12 months before the survey)	45.3	44.2	—
Had at least one teacher or other adult in their school that they could talk to if they have a problem	66.3	66.7	—
Had an adult outside of school they could talk to about things that are important to them	77.3	77.2	—
Grades in school were mostly A’s and B’s (during the 12 months before the survey)	62.5	60.7	—
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	80.2	81.5	—

Table 6. 2011 Hawai‘i Youth Risk Behavior Survey Public High School Kaua‘i County (n = 982) vs. State (n = 4,329) Results

Health Risk Behavior	State %	Kaua‘i County %	Kaua‘i County vs. State
Unintentional Injuries and Violence			
Rarely or never wore a bicycle helmet (among students who had ridden a bicycle during the 12 months before the survey)	87.6	90.1	— ^a
Were in a vehicle driven by someone, including themselves, who had been using alcohol or other drugs (in the 30 days before the survey)	30.9	33.8	—
Carried a weapon on at least 1 day (for example, a gun, knife, or club during the 30 days before the survey)	13.9	16.6	—
Carried a weapon on school property on at least 1 day (for example, a gun, knife, or club during the 30 days before the survey)	4.2	3.5	—
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)	6.6	7.6	—
Threatened or injured with a weapon on school property one or more times (for example, a gun, knife, or club during the 12 months before the survey)	6.3	5.1	—
In a physical fight one or more times (during the 12 months before the survey)	22.3	22.4	—
In a physical fight on school property one or more times (during the 12 months before the survey)	8.1	5.4	* ^b
Had a boyfriend or girlfriend (during the 12 months before the survey)	62.5	62.0	—
Hit, slapped, or physically hurt on purpose by their boyfriend or girlfriend (during the 12 months before the survey)	8.5	8.9	—
Ever physically forced to have sexual intercourse (when they did not want to)	7.1	8.2	—

^a No statistically significant difference ($p < .05$)

^b There was a statistically significant difference ($p < .05$) between Kaua‘i County and State survey administrations

(table continues)

Table 6. Hawai'i YRBS Public High School Kaua'i County vs. State Results cont.

Health Risk Behavior	State %	Kaua'i County %	Kaua'i County vs. State
Unintentional Injuries and Violence cont.			
Bullied on school property (during the 12 months before the survey)	20.3	20.0	—
Bullied electronically (including through e-mail, chat rooms, instant messaging, Web sites, or texting during the 12 months before the survey)	14.9	16.1	—
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	24.4	*
Seriously considered attempting suicide (during the 12 months before the survey)	16.1	14.1	—
Made a plan about how they would attempt suicide (during the 12 months before the survey)	15.0	12.6	—
Attempted suicide one or more times (during the 12 months before the survey)	8.6	9.0	—
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	3.8	—
Tobacco Use			
Ever tried cigarette smoking (even one or two puffs)	37.3	34.9	—
Smoked a whole cigarette for the first time before age 13 years	8.7	10.4	—
Smoked cigarettes on at least 1 day (during the 30 days before the survey)	10.1	8.4	—
Smoked cigarettes on 20 or more days (during the 30 days before the survey)	3.9	3.5	—
Smoked more than 10 cigarettes per day (among students who currently smoked cigarettes, on the days they smoked during the 30 days before the survey)	6.0	13.2	—
Smoked cigarettes on school property on at least 1 day (during the 30 days before the survey)	3.4	3.2	—

(table continues)

Table 6. Hawai‘i YRBS Public High School Kaua‘i County vs. State Results cont.

Health Risk Behavior	State %	Kaua‘i County %	Kaua‘i County vs. State
Tobacco Use cont.			
Usually obtained their own cigarettes by buying them in a store or gas station (among the students who were aged <18 years and who currently smoked cigarettes, during the 30 days before the survey)	5.5	10.8	—
Ever smoked at least one cigarette every day for 30 days	7.8	5.5	—
Tried to quit smoking cigarettes (among students who currently smoked cigarettes, during the 12 months before the survey)	66.8	69.4	—
Used chewing tobacco, snuff, or dip on at least 1 day (during the 30 days before the survey)	3.5	4.8	—
Used chewing tobacco, snuff, or dip on school property on at least 1 day (during the 30 days before the survey)	2.3	2.5	—
Smoked cigars, cigarillos, or little cigars on at least 1 day (during the 30 days before the survey)	6.8	8.8	—
Smoked cigarettes; smoked cigars, cigarillos, or little cigars; or used chewing tobacco, snuff, or dip on at least 1 day (during the 30 days before the survey)	12.0	11.4	—
Alcohol and Other Drug Use			
Drank alcohol for the first time before age 13 years (other than a few sips)	19.2	20.9	—
Had at least one drink of alcohol on at least 1 day (during the 30 days before the survey)	29.1	29.7	—
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)	15.4	19.3	*
Usually obtained the alcohol they drank by someone giving it to them (among students who currently drank alcohol during the 30 days before the survey)	41.4	42.5	—
Had at least one drink of alcohol on school property on at least 1 day (during the 30 days before the survey)	5.0	6.6	—

(table continues)

Table 6. Hawai‘i YRBS Public High School Kaua‘i County vs. State Results cont.

Health Risk Behavior	State %	Kaua‘i County %	Kaua‘i County vs. State
Alcohol and Other Drug Use cont.			
Had one or more best friends that have tried beer, wine, or hard liquor when their parents did not know about it (during the 12 months before the survey)	36.0	39.9	—
Parents would feel it was a little wrong, wrong, or very wrong for them to drink beer, wine, or hard liquor regularly	88.5	88.7	—
Know one or more adults who got drunk or high (during the 12 months before the survey)	67.7	69.5	—
Ever used alcohol or drugs to relax, feel better about themselves, or fit in	24.3	23.9	—
Ever used alcohol or drugs while they were alone	17.9	19.2	—
Ever forgot things they did while using alcohol or drugs	18.7	23.0	*
Ever had family or friends tell them that they should cut down on their drinking or drug use	14.6	17.4	—
Ever had gotten into trouble while they were using alcohol or drugs	16.2	19.9	*
Would seek help from a counselor or doctor if they thought that their alcohol or drug use was causing them problems	65.1	64.6	—
Tried marijuana for the first time before age 13 years	9.5	16.4	*
Used marijuana one or more times (during the 30 days before the survey)	21.9	23.4	—
Used marijuana on school property one or more times (during the 30 days before the survey)	7.6	7.7	—
Ever used any form of cocaine one or more times (for example, powder, crack, or freebase, during their life)	6.4	8.2	—
Ever sniffed glue, breathed the contents of aerosol spray cans, or inhaled any paints or sprays to get high one or more times (during their life)	9.7	10.0	—
Ever used methamphetamines one or more times (also called “speed”, “crystal”, “crank”, or “ice”, during their life)	3.4	5.2	—
Ever used ecstasy one or more times (also called “MDMA”, during their life)	9.0	9.2	—

(table continues)

Table 6. Hawai‘i YRBS Public High School Kaua‘i County vs. State Results cont.

Health Risk Behavior	State %	Kaua‘i County %	Kaua‘i County vs. State
Alcohol and Other Drug Use cont.			
Offered, sold, or given an illegal drug by someone on school property (during the 12 months before the survey)	31.7	23.4	*
Ever took prescription drugs one or more times without a doctor’s prescription (such as Oxycontin, Percocet, Vicodin, codeine, Adderall, Ritalin, or Xanax, during their life)	14.3	17.5	—
Sexual Behaviors			
Ever had sexual intercourse	37.0	36.8	—
Had sexual intercourse for the first time before age 13 years	5.2	3.5	—
Had sexual intercourse with four or more persons (during their life)	8.0	8.3	—
Had sexual intercourse with at least one person (during the 3 months before the survey)	23.9	25.6	—
Drank alcohol or used drugs before last sexual intercourse (among students who were currently sexually active)	20.9	22.0	—
Used a condom during last sexual intercourse (among students who were currently sexually active)	43.9	46.2	—
Used birth control pills before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active)	14.3	20.9	*
Used Depo-Provera (or any injectable birth control), Nuva Ring (or any birth control ring), Implanon (or any implant), or any IUD before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active)	6.6	4.5	—
Used birth control pills or Depo-Provera (or any injectable birth control), Nuva Ring (or any birth control ring), Implanon (or any implant), or any IUD before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active)	20.9	25.4	—

(table continues)

Table 6. Hawai‘i YRBS Public High School Kaua‘i County vs. State Results cont.

Health Risk Behavior	State %	Kaua‘i County %	Kaua‘i County vs. State
Sexual Behaviors cont.			
Used both a condom during last sexual intercourse and birth control pills or Depo-Provera (or any injectable birth control), Nuva Ring (or any birth control ring), Implanon (or any implant), or any IUD before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active)	5.5	5.5	—
Ever had oral sex	36.3	35.5	—
Ever had anal sex	13.0	10.8	—
Ever had sexual contact with both males and females	4.2	2.4	*
Describe themselves as gay or lesbian or bisexual	7.3	7.0	—
Weight Management and Dietary Behaviors			
Overweight (students who were \geq 85th percentile but $<$ 95th percentile for body mass index, based on sex- and age-specific reference data from the 2000 CDC growth charts)	13.4	11.9	—
Obese (students who were \geq 95th percentile for body mass index, based on sex- and age-specific reference data from the 2000 CDC growth charts)	13.2	12.4	—
Described themselves as slightly or very overweight	31.9	24.8	*
Were trying to lose weight	49.3	44.2	*
Did not eat for 24 or more hours to lose weight or to keep from gaining weight (during the 30 days before the survey)	13.1	13.3	—
Took diet pills, powders or liquids to lose weight or to keep from gaining weight (without a doctor’s advice, during the 30 days before the survey)	6.5	5.7	—
Vomited or took laxatives to lose weight or to keep from gaining weight (during the 30 days before the survey)	5.5	5.4	—
Drank 100% fruit juices one or more times (during the 7 days before the survey)	72.2	75.6	—

(table continues)

Table 6. Hawai‘i YRBS Public High School Kaua‘i County vs. State Results cont.

Health Risk Behavior	State %	Kaua‘i County %	Kaua‘i County vs. State
Weight Management and Dietary Behaviors cont.			
Ate fruit one or more times (during the 7 days before the survey)	88.6	90.2	—
Ate green salad one or more times (during the 7 days before the survey)	67.6	73.8	*
Ate potatoes one or more times (excluding French fries, fried potatoes, or potato chips, during the 7 days before the survey)	57.7	66.3	*
Ate carrots one or more times (during the 7 days before the survey)	52.8	59.1	*
Ate other vegetables one or more times (excluding green salad, potatoes, or carrots, during the 7 days before the survey)	81.8	84.7	—
Ate fruits and vegetables five or more times per day (during the 7 days before the survey)	17.5	21.0	*
Ate vegetables three or more times per day (green salad, potatoes [excluding French fries, fried potatoes, or potato chips], carrots, or other vegetables, during the 7 days before the survey)	13.9	16.5	—
Ate fruits two or more times per day and vegetables three or more times per day (during the 7 days before the survey)	9.2	10.7	—
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)	17.5	18.2	—
Drank three or more glasses per day of milk (during the 7 days before the survey)	9.0	8.6	—
Physical Activity			
Physically active at least 60 minutes per day on 5 or more days (doing any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)	37.9	40.6	—

(table continues)

Table 6. Hawai‘i YRBS Public High School Kaua‘i County vs. State Results cont.

Health Risk Behavior	State %	Kaua‘i County %	Kaua‘i County vs. State
Physical Activity cont.			
Physically active at least 60 minutes per day on all 7 days (doing any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)	21.0	24.3	—
Did not participate in at least 60 minutes of physical activity on any day (doing any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)	18.5	17.5	—
Attended physical education classes on 1 or more days in an average week (when they were in school)	41.6	36.7	—
Attended physical education classes 5 days in an average week (when they were in school)	6.9	11.6	*
Watched television 3 or more hours per day (on an average school day)	31.7	25.8	*
Used computers 3 or more hours per day (played video or computer games or used a computer for something that was not school work on an average school day)	36.6	27.3	*
Played on at least one sports team (run by their school or community groups during the 12 months before the survey)	54.8	58.3	—
Other Health Topics			
Had one or more tattoos	10.2	10.4	—
Had one or more tattoos that were done outside of a licensed tattoo shop	5.1	3.9	*
Were ever taught in school about AIDS or HIV infection	83.6	80.8	—
Ever had a doctor or nurse discuss ways to prevent pregnancy, sexually transmitted diseases (STDs), and AIDS or HIV infection with them	50.3	49.9	—
Ever had parents or other adults in their family talk with them about what they expect them to do or not to do when it comes to sex	57.7	61.0	—

(table continues)

Table 6. Hawai'i YRBS Public High School Kaua'i County vs. State Results cont.

Health Risk Behavior	State %	Kaua'i County %	Kaua'i County vs. State
Other Health Topics cont.			
Ever had a parent or another adult in their family talk with them about the dangers of tobacco, alcohol, or drug use (during the 12 months before the survey)	45.3	47.5	—
Had at least one teacher or other adult in their school that they could talk to if they have a problem	66.3	63.2	—
Had an adult outside of school they could talk to about things that are important to them	77.3	79.6	—
Grades in school were mostly A's and B's (during the 12 months before the survey)	62.5	68.2	—
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	80.2	78.6	—

**Table 7. 2011 Hawai‘i Youth Risk Behavior Survey Public High School Maui County
(n = 1,255) vs. State (n = 4,329) Results**

Health Risk Behavior	State %	Maui County %	Maui County vs. State
Unintentional Injuries and Violence			
Rarely or never wore a bicycle helmet (among students who had ridden a bicycle during the 12 months before the survey)	87.6	87.8	— ^a
Were in a vehicle driven by someone, including themselves, who had been using alcohol or other drugs (in the 30 days before the survey)	30.9	32.7	—
Carried a weapon on at least 1 day (for example, a gun, knife, or club during the 30 days before the survey)	13.9	16.4	—
Carried a weapon on school property on at least 1 day (for example, a gun, knife, or club during the 30 days before the survey)	4.2	3.5	—
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)	6.6	6.8	—
Threatened or injured with a weapon on school property one or more times (for example, a gun, knife, or club during the 12 months before the survey)	6.3	6.6	—
In a physical fight one or more times (during the 12 months before the survey)	22.3	22.4	—
In a physical fight on school property one or more times (during the 12 months before the survey)	8.1	8.3	—
Had a boyfriend or girlfriend (during the 12 months before the survey)	62.5	63.2	—
Hit, slapped, or physically hurt on purpose by their boyfriend or girlfriend (during the 12 months before the survey)	8.5	7.8	—
Ever physically forced to have sexual intercourse (when they did not want to)	7.1	8.4	—
Bullied on school property (during the 12 months before the survey)	20.3	20.9	—

^a No statistically significant difference ($p < .05$)

(table continues)

Table 7. 2011 Hawai‘i YRBS Public High School Maui County vs. State Results cont.

Health Risk Behavior	State %	Maui County %	Maui County vs. State
Unintentional Injuries and Violence cont.			
Bullied electronically (including through e-mail, chat rooms, instant messaging, Web sites, or texting during the 12 months before the survey)	14.9	13.3	—
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	27.7	—
Seriously considered attempting suicide (during the 12 months before the survey)	16.1	14.1	—
Made a plan about how they would attempt suicide (during the 12 months before the survey)	15.0	14.1	—
Attempted suicide one or more times (during the 12 months before the survey)	8.6	9.0	—
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	3.3	—
Tobacco Use			
Ever tried cigarette smoking (even one or two puffs)	37.3	35.5	—
Smoked a whole cigarette for the first time before age 13 years	8.7	9.6	—
Smoked cigarettes on at least 1 day (during the 30 days before the survey)	10.1	9.1	—
Smoked cigarettes on 20 or more days (during the 30 days before the survey)	3.9	2.2	* ^b
Smoked more than 10 cigarettes per day (among students who currently smoked cigarettes, on the days they smoked during the 30 days before the survey)	6.0	5.9	—
Smoked cigarettes on school property on at least 1 day (during the 30 days before the survey)	3.4	4.1	—
Usually obtained their own cigarettes by buying them in a store or gas station (among the students who were aged <18 years and who currently smoked cigarettes, during the 30 days before the survey)	5.5	9.2	—

^b There was a statistically significantly difference ($p < .05$) between Maui County and State survey administrations

(table continues)

Table 7. 2011 Hawai‘i YRBS Public High School Maui County vs. State Results cont.

Health Risk Behavior	State %	Maui County %	Maui County vs. State
Tobacco Use cont.			
Ever smoked at least one cigarette every day for 30 days	7.8	5.3	*
Tried to quit smoking cigarettes (among students who currently smoked cigarettes, during the 12 months before the survey)	66.8	64.4	—
Used chewing tobacco, snuff, or dip on at least 1 day (during the 30 days before the survey)	3.5	3.6	—
Used chewing tobacco, snuff, or dip on school property on at least 1 day (during the 30 days before the survey)	2.3	2.5	—
Smoked cigars, cigarillos, or little cigars on at least 1 day (during the 30 days before the survey)	6.8	8.3	—
Smoked cigarettes; smoked cigars, cigarillos, or little cigars; or used chewing tobacco, snuff, or dip on at least 1 day (during the 30 days before the survey)	12.0	12.1	—
Alcohol and Other Drug Use			
Drank alcohol for the first time before age 13 years (other than a few sips)	19.2	21.6	—
Had at least one drink of alcohol on at least 1 day (during the 30 days before the survey)	29.1	28.7	—
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)	15.4	16.4	—
Usually obtained the alcohol they drank by someone giving it to them (among students who currently drank alcohol during the 30 days before the survey)	41.4	37.7	—
Had at least one drink of alcohol on school property on at least 1 day (during the 30 days before the survey)	5.0	4.7	—
Had one or more best friends that have tried beer, wine, or hard liquor when their parents did not know about it (during the 12 months before the survey)	36.0	36.9	—

(table continues)

Table 7. 2011 Hawai‘i YRBS Public High School Maui County vs. State Results cont.

Health Risk Behavior	State %	Maui County %	Maui County vs. State
Alcohol and Other Drug Use cont.			
Parents would feel it was a little wrong, wrong, or very wrong for them to drink beer, wine, or hard liquor regularly	88.5	91.2	*
Know one or more adults who got drunk or high (during the 12 months before the survey)	67.7	72.9	*
Ever used alcohol or drugs to relax, feel better about themselves, or fit in	24.3	22.4	—
Ever used alcohol or drugs while they were alone	17.9	17.5	—
Ever forgot things they did while using alcohol or drugs	18.7	20.5	—
Ever had family or friends tell them that they should cut down on their drinking or drug use	14.6	13.5	—
Ever had gotten into trouble while they were using alcohol or drugs	16.2	17.1	—
Would seek help from a counselor or doctor if they thought that their alcohol or drug use was causing them problems	65.1	63.3	—
Tried marijuana for the first time before age 13 years	9.5	12.3	*
Used marijuana one or more times (during the 30 days before the survey)	21.9	21.9	—
Used marijuana on school property one or more times (during the 30 days before the survey)	7.6	8.9	—
Ever used any form of cocaine one or more times (for example, powder, crack, or freebase, during their life)	6.4	5.3	—
Ever sniffed glue, breathed the contents of aerosol spray cans, or inhaled any paints or sprays to get high one or more times (during their life)	9.7	7.5	*
Ever used methamphetamines one or more times (also called “speed”, “crystal”, “crank”, or “ice”, during their life)	3.4	3.6	—
Ever used ecstasy one or more times (also called “MDMA”, during their life)	9.0	6.6	—
Offered, sold, or given an illegal drug by someone on school property (during the 12 months before the survey)	31.7	28.9	—

(table continues)

Table 7. 2011 Hawai‘i YRBS Public High School Maui County vs. State Results cont.

Health Risk Behavior	State %	Maui County %	Maui County vs. State
Alcohol and Other Drug Use cont.			
Ever took prescription drugs one or more times without a doctor’s prescription (such as Oxycontin, Percocet, Vicodin, codeine, Adderall, Ritalin, or Xanax, during their life)	14.3	13.6	—
Sexual Behaviors			
Ever had sexual intercourse	37.0	37.4	—
Had sexual intercourse for the first time before age 13 years	5.2	5.7	—
Had sexual intercourse with four or more persons (during their life)	8.0	9.1	—
Had sexual intercourse with at least one person (during the 3 months before the survey)	23.9	26.1	—
Drank alcohol or used drugs before last sexual intercourse (among students who were currently sexually active)	20.9	23.9	—
Used a condom during last sexual intercourse (among students who were currently sexually active)	43.9	41.3	—
Used birth control pills before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active)	14.3	16.5	—
Used Depo-Provera (or any injectable birth control), Nuva Ring (or any birth control ring), Implanon (or any implant), or any IUD before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active)	6.6	8.1	—
Used birth control pills or Depo-Provera (or any injectable birth control), Nuva Ring (or any birth control ring), Implanon (or any implant), or any IUD before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active)	20.9	24.6	—
Used both a condom during last sexual intercourse and birth control pills or Depo-Provera (or any injectable birth control), Nuva Ring (or any birth control ring), Implanon (or any implant), or any IUD before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active)	5.5	6.1	—

(table continues)

Table 7. 2011 Hawai‘i YRBS Public High School Maui County vs. State Results cont.

Health Risk Behavior	State %	Maui County %	Maui County vs. State
Sexual Behaviors cont.			
Ever had oral sex	36.3	33.7	—
Ever had anal sex	13.0	12.6	—
Ever had sexual contact with both males and females	4.2	3.4	—
Describe themselves as gay or lesbian or bisexual	7.3	5.7	—
Weight Management and Dietary Behaviors			
Overweight (students who were \geq 85th percentile but < 95th percentile for body mass index, based on sex- and age-specific reference data from the 2000 CDC growth charts)	13.4	14.9	—
Obese (students who were \geq 95th percentile for body mass index, based on sex- and age-specific reference data from the 2000 CDC growth charts)	13.2	13.7	—
Described themselves as slightly or very overweight	31.9	30.1	—
Were trying to lose weight	49.3	50.7	—
Did not eat for 24 or more hours to lose weight or to keep from gaining weight (during the 30 days before the survey)	13.1	15.4	—
Took diet pills, powders or liquids to lose weight or to keep from gaining weight (without a doctor’s advice, during the 30 days before the survey)	6.5	5.9	—
Vomited or took laxatives to lose weight or to keep from gaining weight (during the 30 days before the survey)	5.5	4.9	—
Drank 100% fruit juices one or more times (during the 7 days before the survey)	72.2	69.1	—
Ate fruit one or more times (during the 7 days before the survey)	88.6	91.3	—
Ate green salad one or more times (during the 7 days before the survey)	67.6	70.8	—
Ate potatoes one or more times (excluding French fries, fried potatoes, or potato chips, during the 7 days before the survey)	57.7	62.9	*

(table continues)

Table 7. 2011 Hawai‘i YRBS Public High School Maui County vs. State Results cont.

Health Risk Behavior	State %	Maui County %	Maui County vs. State
Weight Management and Dietary Behaviors cont.			
Ate carrots one or more times (during the 7 days before the survey)	52.8	57.0	—
Ate other vegetables one or more times (excluding green salad, potatoes, or carrots, during the 7 days before the survey)	81.8	83.2	—
Ate fruits and vegetables five or more times per day (during the 7 days before the survey)	17.5	20.0	—
Ate vegetables three or more times per day (green salad, potatoes [excluding French fries, fried potatoes, or potato chips], carrots, or other vegetables, during the 7 days before the survey)	13.9	16.5	—
Ate fruits two or more times per day and vegetables three or more times per day (during the 7 days before the survey)	9.2	10.7	—
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)	17.5	17.9	—
Drank three or more glasses per day of milk (during the 7 days before the survey)	9.0	7.4	—
Physical Activity			
Physically active at least 60 minutes per day on 5 or more days (doing any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)	37.9	38.5	—
Physically active at least 60 minutes per day on all 7 days (doing any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)	21.0	21.8	—
Did not participate in at least 60 minutes of physical activity on any day (doing any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)	18.5	13.7	*

(table continues)

Table 7. 2011 Hawai'i YRBS Public High School Maui County vs. State Results cont.

Health Risk Behavior	State %	Maui County %	Maui County vs. State
Physical Activity cont.			
Attended physical education classes on 1 or more days in an average week (when they were in school)	41.6	41.6	—
Attended physical education classes 5 days in an average week (when they were in school)	6.9	7.7	—
Watched television 3 or more hours per day (on an average school day)	31.7	29.6	—
Used computers 3 or more hours per day (played video or computer games or used a computer for something that was not school work on an average school day)	36.6	30.5	*
Played on at least one sports team (run by their school or community groups during the 12 months before the survey)	54.8	55.9	—
Other Health Topics			
Had one or more tattoos	10.2	12.1	—
Had one or more tattoos that were done outside of a licensed tattoo shop	5.1	6.0	—
Were ever taught in school about AIDS or HIV infection	83.6	79.8	—
Ever had a doctor or nurse discuss ways to prevent pregnancy, sexually transmitted diseases (STDs), and AIDS or HIV infection with them	50.3	50.3	—
Ever had parents or other adults in their family talk with them about what they expect them to do or not to do when it comes to sex	57.7	57.7	—
Ever had a parent or another adult in their family talk with them about the dangers of tobacco, alcohol, or drug use (during the 12 months before the survey)	45.3	44.6	—
Had at least one teacher or other adult in their school that they could talk to if they have a problem	66.3	62.9	—
Had an adult outside of school they could talk to about things that are important to them	77.3	75.8	—

(table continues)

Table 7. 2011 Hawai'i YRBS Public High School Maui County vs. State Results cont.

Health Risk Behavior	State %	Maui County %	Maui County vs. State
Other Health Topics cont.			
Grades in school were mostly A's and B's (during the 12 months before the survey)	62.5	65.0	—
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	80.2	74.5	*

Table 8. 2011 Hawai‘i Youth Risk Behavior Survey Public Middle School Hawai‘i County (n = 1,237) vs. State (n = 5,109) Results

Health Risk Behavior	State %	Hawai‘i County %	Hawai‘i County vs. State
Unintentional Injuries and Violence			
Rarely or never wore a bicycle helmet (among students who had ridden a bicycle)	75.4	81.7	* ^a
Rarely or never wore a helmet (among students who used rollerblades or rode a skateboard)	79.5	82.3	— ^b
Were in a vehicle driven by someone, including themselves, who had been using alcohol or other drugs (in the 30 days before the survey)	17.8	24.2	*
Carried a weapon on at least 1 day (for example, a gun, knife, or club during the 12 months before the survey)	16.4	25.6	*
Carried a weapon on school property on at least 1 day (for example, a gun, knife, or club during the 12 months before the survey)	3.5	3.6	—
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)	6.8	7.5	—
Threatened or injured with a weapon on school property one or more times (for example, a gun, knife, or club during the 12 months before the survey)	5.6	5.7	—
In a physical fight one or more times (during the 12 months before the survey)	25.5	26.9	—
In a physical fight on school property one or more times (during the 12 months before the survey)	11.3	13.0	—
Hurt in a physical fight and had to be treated by a doctor or nurse (during the 12 months before the survey)	4.1	3.9	—
Had a boyfriend or girlfriend (during the 12 months before the survey)	51.2	54.7	—

^a There was a statistically significant difference ($p < .05$) between the Hawai‘i County and State survey administrations ^b No statistically significant difference ($p < .05$)

(table continues)

Table 8. 2011 Hawai'i YRBS Public Middle School Hawai'i County vs. State Results cont.

Health Risk Behavior	State %	Hawai'i County %	Hawai'i County vs. State
Unintentional Injuries and Violence cont.			
Hit, slapped, or physically hurt on purpose by their boyfriend or girlfriend (during the 12 months before the survey)	3.8	3.2	—
Ever physically forced to have sexual intercourse (when they did not want to)	4.2	5.0	—
Ever bullied on school property	40.7	44.7	*
Ever been electronically bullied (including through e-mail, chat rooms, instant messaging, Web sites, or texting)	23.7	25.3	—
Strongly disagree or disagree that harassment and bullying by other students is a problem at their school	11.2	11.4	—
Ever felt sad or hopeless (almost every day for 2 or more weeks in a row that they stopped doing some usual activities)	25.8	27.0	—
Ever seriously thought about killing themselves	22.5	25.4	—
Ever made a plan about how they would kill themselves	15.5	18.2	—
Ever tried to kill themselves	9.2	12.3	*
Tried to kill themselves and attempt resulted in an injury, poisoning, or overdose that had to be treated by a doctor or nurse	10.4	11.1	—
Tobacco Use			
Ever tried cigarette smoking (even one or two puffs)	18.7	20.6	—
Smoked cigarettes on at least 1 day (during the 30 days before the survey)	7.2	7.0	—
Smoked cigarettes on 20 or more days (during the 30 days before the survey)	0.9	0.7	—
Ever used chewing tobacco, snuff, or dip (such as Redman, Levi Garret, Beechnut, Skoal, Skoal Bandits, or Copenhagen)	5.7	6.0	—

(table continues)

Table 8. 2011 Hawai‘i YRBS Public Middle School Hawai‘i County vs. State Results cont.

Health Risk Behavior	State %	Hawai‘i County %	Hawai‘i County vs. State
Tobacco Use cont.			
Used chewing tobacco, snuff, or dip on at least 1 day (during the 30 days before the survey)	4.0	3.6	—
Ever used e-cigarettes	4.2	5.1	—
Ever used sticks, strips, or orbs	2.7	2.8	—
Alcohol and Other Drug Use			
Drank alcohol for the first time before age 11 years (other than a few sips)	16.3	19.8	*
Had at least one drink of alcohol on at least 1 day (during the 30 days before the survey)	12.5	16.5	*
Had at least one drink of alcohol on school property on at least 1 day (during the 30 days before the survey)	2.6	4.1	*
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	8.9	—
Had one or more best friends that have tried beer, wine, or hard liquor when their parents did not know about it (during the 12 months before the survey)	22.5	24.2	—
Parents would feel it was a little wrong, wrong, or very wrong for them to drink beer, wine, or hard liquor regularly	89.1	85.5	*
Tried marijuana for the first time before age 11 years	4.7	8.1	*
Used marijuana one or more times (during the 30 days before the survey)	9.3	13.5	*
Used marijuana on school property one or more times (during the 30 days before the survey)	2.2	3.5	*
Ever used any form of cocaine (for example, powder, crack, or freebase)	2.9	2.8	—
Ever sniffed glue, breathed the contents of spray cans, or inhaled any paints or sprays to get high one or more times	9.7	12.1	*

(table continues)

Table 8. 2011 Hawai'i YRBS Public Middle School Hawai'i County vs. State Results cont.

Health Risk Behavior	State %	Hawai'i County %	Hawai'i County vs. State
Alcohol and Other Drug Use cont.			
Sniffed glue, breathed the contents of aerosol spray cans, or inhaled any paints or sprays to get high one or more times (during the 30 days before the survey)	10.3	12.5	—
Ever used methamphetamines (also called “speed”, “crystal”, “crank”, or “ice”)	2.6	2.8	—
Ever used ecstasy (also called “MDMA”)	2.2	2.0	—
Ever took prescription drugs one or more times without a doctor’s prescription (such as Oxycontin, Percocet, Vicodin, codeine, Adderall, Ritalin, or Xanax)	5.0	6.3	—
Offered, sold, or given an illegal drug by someone on school property (during the 12 months before the survey)	9.3	12.7	*
Attended school under the influence of alcohol or other illegal drugs, such as marijuana or cocaine (during the 12 months before the survey)	7.0	8.0	—
Ever used alcohol or drugs to relax, feel better about themselves, or fit in	9.7	10.6	—
Ever used alcohol or drugs while they are alone	7.8	11.0	*
Ever forgot things they did while using alcohol or drugs	7.7	9.8	—
Ever had family or friends tell them that they should cut down on their drinking or drug use	8.4	10.0	—
Ever had gotten into trouble while they were using alcohol or drugs	7.1	8.6	—
Would seek help from a counselor or doctor if they thought that their alcohol or drug use was causing them problems	55.8	54.5	—
Sexual Behaviors			
Ever had sexual intercourse	10.4	14.8	*
Had sexual intercourse for the first time before age 11 years	3.5	4.5	—
Ever had sexual intercourse with three or more persons	2.5	5.3	*

(table continues)

Table 8. 2011 Hawai‘i YRBS Public Middle School Hawai‘i County vs. State Results cont.

Health Risk Behavior	State %	Hawai‘i County %	Hawai‘i County vs. State
Sexual Behaviors cont.			
Used a condom during last sexual intercourse (among students who ever had sexual intercourse)	62.6	68.5	—
Weight Management			
Described themselves as slightly or very overweight	27.3	26.2	—
Were trying to lose weight	47.8	48.9	—
Ever exercised to lose weight or to keep from gaining weight	71.3	72.7	—
Ever ate less food, fewer calories, or foods low in fat to lose weight or to keep from gaining weight	45.0	48.6	—
Ever went without eating for 24 or more hours (also called fasting) to lose weight or to keep from gaining weight	15.1	18.0	—
Ever took diet pills, powders, or liquids to lose weight or to keep from gaining weight (without a doctor’s advice)	4.9	6.3	—
Ever vomited or took laxatives to lose weight or to keep from gaining weight	4.3	4.8	—
Physical Activity			
Physically active at least 60 minutes per day on 5 or more days (doing any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)	44.4	44.9	—
Physically active at least 60 minutes per day on all 7 days (doing any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)	25.0	27.2	—
Did not participate in at least 60 minutes of physical activity on any day (doing any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)	16.0	16.8	—
Attended physical education classes on 1 or more days in an average week (when they were in school)	65.6	54.7	*

(table continues)

Table 8. 2011 Hawai'i YRBS Public Middle School Hawai'i County vs. State Results cont.

Health Risk Behavior	State %	Hawai'i County %	Hawai'i County vs. State
Physical Activity cont.			
Attended physical education classes 5 days in an average week (when they were in school)	14.9	5.1	*
Watched television 3 or more hours per day (on an average school day)	39.4	35.3	—
Used computers 3 or more hours per day (played video or computer games or used a computer for something that was not school work on an average school day)	37.5	33.5	—
Played on at least one sports team (run by their school or community groups during the 12 months before the survey)	58.8	59.4	—
Other Health Topics			
Were ever taught in school about AIDS or HIV infection	60.0	62.9	—
Ever had a doctor or nurse discuss ways to prevent pregnancy, sexually transmitted diseases (STDs), and AIDS or HIV with them	23.8	23.9	—
Ever had parents or other adults in their family talk with them about what they expect them to do or not to do when it comes to sex	38.7	41.5	—
Had at least one teacher or other adult in their school that they could talk to if they have a problem	64.3	67.8	*
Had an adult outside of school that they could talk to about things that are important to them	67.8	70.7	—
Ever had a parent or another adult in their family talk with them about the dangers of tobacco, alcohol, or drug use (during the 12 months before the survey)	43.0	46.3	*
Grades in school were mostly A's and B's (during the 12 months before the survey)	64.8	66.1	—
Thought they probably or definitely will complete high school	85.4	83.9	—

Table 9. 2011 Hawai‘i Youth Risk Behavior Survey Public Middle School Honolulu County (n = 1,703) vs. State (n = 5,109) Results

Health Risk Behavior	State %	Honolulu County %	Honolulu County vs. State
Unintentional Injuries and Violence			
Rarely or never wore a bicycle helmet (among students who had ridden a bicycle)	75.4	72.3	— ^a
Rarely or never wore a helmet (among students who used rollerblades or rode a skateboard)	79.5	79.1	—
Were in a vehicle driven by someone, including themselves, who had been using alcohol or other drugs (in the 30 days before the survey)	17.8	15.8	—
Carried a weapon on at least 1 day (for example, a gun, knife, or club during the 12 months before the survey)	16.4	13.2	* ^b
Carried a weapon on school property on at least 1 day (for example, a gun, knife, or club during the 12 months before the survey)	3.5	3.8	—
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)	6.8	6.2	—
Threatened or injured with a weapon on school property one or more times (for example, a gun, knife, or club during the 12 months before the survey)	5.6	5.9	—
In a physical fight one or more times (during the 12 months before the survey)	25.5	24.6	—
In a physical fight on school property one or more times (during the 12 months before the survey)	11.3	10.8	—
Hurt in a physical fight and had to be treated by a doctor or nurse (during the 12 months before the survey)	4.1	4.2	—
Had a boyfriend or girlfriend (during the 12 months before the survey)	51.2	50.1	—

^a No statistically significant difference ($p < .05$)

^b There was a statistically significantly difference ($p < .05$) between Honolulu County and State survey administrations

(table continues)

Table 9. 2011 Hawai'i YRBS Public Middle School Honolulu County vs. State Results cont.

Health Risk Behavior	State %	Honolulu County %	Honolulu County vs. State
Unintentional Injuries and Violence cont.			
Hit, slapped, or physically hurt on purpose by their boyfriend or girlfriend (during the 12 months before the survey)	3.8	3.8	—
Ever physically forced to have sexual intercourse (when they did not want to)	4.2	3.7	—
Ever bullied on school property	40.7	39.6	—
Ever been electronically bullied (including through e-mail, chat rooms, instant messaging, Web sites, or texting)	23.7	23.3	—
Strongly disagree or disagree that harassment and bullying by other students is a problem at their school	11.2	11.8	—
Ever felt sad or hopeless (almost every day for 2 or more weeks in a row that they stopped doing some usual activities)	25.8	25.1	—
Ever seriously thought about killing themselves	22.5	22.3	—
Ever made a plan about how they would kill themselves	15.5	15.3	—
Ever tried to kill themselves	9.2	8.7	—
Tried to kill themselves and attempt resulted in an injury, poisoning, or overdose that had to be treated by a doctor or nurse	10.4	10.0	—
Tobacco Use			
Ever tried cigarette smoking (even one or two puffs)	18.7	18.6	—
Smoked cigarettes on at least 1 day (during the 30 days before the survey)	7.2	7.4	—
Smoked cigarettes on 20 or more days (during the 30 days before the survey)	0.9	0.9	—
Ever used chewing tobacco, snuff, or dip (such as Redman, Levi Garret, Beechnut, Skoal, Skoal Bandits, or Copenhagen)	5.7	6.0	—

(table continues)

Table 9. 2011 Hawai'i YRBS Public Middle School Honolulu County vs. State Results cont.

Health Risk Behavior	State %	Honolulu County %	Honolulu County vs. State
Tobacco Use cont.			
Used chewing tobacco, snuff, or dip on at least 1 day (during the 30 days before the survey)	4.0	4.2	—
Ever used e-cigarettes	4.2	3.7	—
Ever used sticks, strips, or orbs	2.7	2.7	—
Alcohol and Other Drug Use			
Drank alcohol for the first time before age 11 years (other than a few sips)	16.3	15.4	—
Had at least one drink of alcohol on at least 1 day (during the 30 days before the survey)	12.5	11.9	—
Had at least one drink of alcohol on school property on at least 1 day (during the 30 days before the survey)	2.6	2.6	—
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	7.7	—
Had one or more best friends that have tried beer, wine, or hard liquor when their parents did not know about it (during the 12 months before the survey)	22.5	22.5	—
Parents would feel it was a little wrong, wrong, or very wrong for them to drink beer, wine, or hard liquor regularly	89.1	90.2	—
Tried marijuana for the first time before age 11 years	4.7	3.8	—
Used marijuana one or more times (during the 30 days before the survey)	9.3	8.5	—
Used marijuana on school property one or more times (during the 30 days before the survey)	2.2	2.2	—
Ever used any form of cocaine (for example, powder, crack, or freebase)	2.9	3.0	—
Ever sniffed glue, breathed the contents of spray cans, or inhaled any paints or sprays to get high one or more times	9.7	10.1	—

(table continues)

Table 9. 2011 Hawai'i YRBS Public Middle School Honolulu County vs. State Results cont.

Health Risk Behavior	State %	Honolulu County %	Honolulu County vs. State
Alcohol and Other Drug Use cont.			
Sniffed glue, breathed the contents of aerosol spray cans, or inhaled any paints or sprays to get high one or more times (during the 30 days before the survey)	10.3	10.3	—
Ever used methamphetamines (also called “speed”, “crystal”, “crank”, or “ice”)	2.6	2.7	—
Ever used ecstasy (also called “MDMA”)	2.2	2.6	—
Ever took prescription drugs one or more times without a doctor’s prescription (such as Oxycontin, Percocet, Vicodin, codeine, Adderall, Ritalin, or Xanax)	5.0	4.6	—
Offered, sold, or given an illegal drug by someone on school property (during the 12 months before the survey)	9.3	9.0	—
Attended school under the influence of alcohol or other illegal drugs, such as marijuana or cocaine (during the 12 months before the survey)	7.0	7.2	—
Ever used alcohol or drugs to relax, feel better about themselves, or fit in	9.7	9.7	—
Ever used alcohol or drugs while they are alone	7.8	7.2	—
Ever forgot things they did while using alcohol or drugs	7.7	7.3	—
Ever had family or friends tell them that they should cut down on their drinking or drug use	8.4	8.2	—
Ever had gotten into trouble while they were using alcohol or drugs	7.1	6.7	—
Would seek help from a counselor or doctor if they thought that their alcohol or drug use was causing them problems	55.8	55.7	—
Sexual Behaviors			
Ever had sexual intercourse	10.4	9.3	—
Had sexual intercourse for the first time before age 11 years	3.5	3.4	—

(table continues)

Table 9. 2011 Hawai'i YRBS Public Middle School Honolulu County vs. State Results cont.

Health Risk Behavior	State %	Honolulu County %	Honolulu County vs. State
Sexual Behaviors cont.			
Ever had sexual intercourse with three or more persons	2.5	2.0	—
Used a condom during last sexual intercourse (among students who ever had sexual intercourse)	62.6	63.3	—
Weight Management			
Described themselves as slightly or very overweight	27.3	27.8	—
Were trying to lose weight	47.8	46.8	—
Ever exercised to lose weight or to keep from gaining weight	71.3	69.8	—
Ever ate less food, fewer calories, or foods low in fat to lose weight or to keep from gaining weight	45.0	44.0	—
Ever went without eating for 24 or more hours (also called fasting) to lose weight or to keep from gaining weight	15.1	14.6	—
Ever took diet pills, powders, or liquids to lose weight or to keep from gaining weight (without a doctor's advice)	4.9	4.6	—
Ever vomited or took laxatives to lose weight or to keep from gaining weight	4.3	4.0	—
Physical Activity			
Physically active at least 60 minutes per day on 5 or more days (doing any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)	44.4	43.9	—
Physically active at least 60 minutes per day on all 7 days (doing any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)	25.0	23.8	—
Did not participate in at least 60 minutes of physical activity on any day (doing any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)	16.0	16.4	—

(table continues)

Table 9. 2011 Hawai'i YRBS Public Middle School Honolulu County vs. State Results cont.

Health Risk Behavior	State %	Honolulu County %	Honolulu County vs. State
Physical Activity cont.			
Attended physical education classes on 1 or more days in an average week (when they were in school)	65.6	65.2	—
Attended physical education classes 5 days in an average week (when they were in school)	14.9	18.3	—
Watched television 3 or more hours per day (on an average school day)	39.4	41.4	—
Used computers 3 or more hours per day (played video or computer games or used a computer for something that was not school work on an average school day)	37.5	40.5	—
Played on at least one sports team (run by their school or community groups during the 12 months before the survey)	58.8	58.2	—
Other Health Topics			
Were ever taught in school about AIDS or HIV infection	60.0	60.4	—
Ever had a doctor or nurse discuss ways to prevent pregnancy, sexually transmitted diseases (STDs), and AIDS or HIV with them	23.8	23.2	—
Ever had parents or other adults in their family talk with them about what they expect them to do or not to do when it comes to sex	38.7	37.8	—
Had at least one teacher or other adult in their school that they could talk to if they have a problem	64.3	63.2	—
Had an adult outside of school that they could talk to about things that are important to them	67.8	66.3	—
Ever had a parent or another adult in their family talk with them about the dangers of tobacco, alcohol, or drug use (during the 12 months before the survey)	43.0	41.7	—
Grades in school were mostly A's and B's (during the 12 months before the survey)	64.8	62.9	—
Thought they probably or definitely will complete high school	85.4	85.1	—

Table 10. 2011 Hawai‘i Youth Risk Behavior Survey Public Middle School Kaua‘i County (n = 965) vs. State (n = 5,109) Results

Health Risk Behavior	State %	Kaua‘i County %	Kaua‘i County vs. State
Unintentional Injuries and Violence			
Rarely or never wore a bicycle helmet (among students who had ridden a bicycle)	75.4	81.4	* ^a
Rarely or never wore a helmet (among students who used rollerblades or rode a skateboard)	79.5	77.6	— ^b
Were in a vehicle driven by someone, including themselves, who had been using alcohol or other drugs (in the 30 days before the survey)	17.8	19.7	—
Carried a weapon on at least 1 day (for example, a gun, knife, or club during the 12 months before the survey)	16.4	20.9	*
Carried a weapon on school property on at least 1 day (for example, a gun, knife, or club during the 12 months before the survey)	3.5	1.8	—
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)	6.8	7.5	—
Threatened or injured with a weapon on school property one or more times (for example, a gun, knife, or club during the 12 months before the survey)	5.6	3.6	—
In a physical fight one or more times (during the 12 months before the survey)	25.5	23.2	—
In a physical fight on school property one or more times (during the 12 months before the survey)	11.3	8.3	*
Hurt in a physical fight and had to be treated by a doctor or nurse (during the 12 months before the survey)	4.1	3.2	—
Had a boyfriend or girlfriend (during the 12 months before the survey)	51.2	51.2	—
Hit, slapped, or physically hurt on purpose by their boyfriend or girlfriend (during the 12 months before the survey)	3.8	4.5	—

^a There was a statistically significant difference ($p < .05$) between Kaua‘i County and State survey administrations ^b No statistically significant difference ($p < .05$)

(table continues)

Table 10. 2011 Hawai'i YRBS Public Middle School Kaua'i County vs. State Results cont.

Health Risk Behavior	State %	Kaua'i County %	Kaua'i County vs. State
Unintentional Injuries and Violence cont.			
Ever physically forced to have sexual intercourse (when they did not want to)	4.2	2.5	*
Ever bullied on school property	40.7	40.4	—
Ever been electronically bullied (including through e-mail, chat rooms, instant messaging, Web sites, or texting)	23.7	19.8	*
Strongly disagree or disagree that harassment and bullying by other students is a problem at their school	11.2	10.5	—
Ever felt sad or hopeless (almost every day for 2 or more weeks in a row that they stopped doing some usual activities)	25.8	27.0	—
Ever seriously thought about killing themselves	22.5	19.2	—
Ever made a plan about how they would kill themselves	15.5	12.4	—
Ever tried to kill themselves	9.2	8.1	—
Tried to kill themselves and attempt resulted in an injury, poisoning, or overdose that had to be treated by a doctor or nurse	10.4	12.6	—
Tobacco Use			
Ever tried cigarette smoking (even one or two puffs)	18.7	15.4	—
Smoked cigarettes on at least 1 day (during the 30 days before the survey)	7.2	5.8	—
Smoked cigarettes on 20 or more days (during the 30 days before the survey)	0.9	0.7	—
Ever used chewing tobacco, snuff, or dip (such as Redman, Levi Garret, Beechnut, Skoal, Skoal Bandits, or Copenhagen)	5.7	3.7	—
Used chewing tobacco, snuff, or dip on at least 1 day (during the 30 days before the survey)	4.0	2.8	—
Ever used e-cigarettes	4.2	5.1	—
Ever used sticks, strips, or orbs	2.7	2.8	—

(table continues)

Table 10. 2011 Hawai'i YRBS Public Middle School Kaua'i County vs. State Results cont.

Health Risk Behavior	State %	Kaua'i County %	Kaua'i County vs. State
Alcohol and Other Drug Use			
Drank alcohol for the first time before age 11 years (other than a few sips)	16.3	14.2	—
Had at least one drink of alcohol on at least 1 day (during the 30 days before the survey)	12.5	10.5	—
Had at least one drink of alcohol on school property on at least 1 day (during the 30 days before the survey)	2.6	2.2	—
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	5.1	*
Had one or more best friends that have tried beer, wine, or hard liquor when their parents did not know about it (during the 12 months before the survey)	22.5	18.7	—
Parents would feel it was a little wrong, wrong, or very wrong for them to drink beer, wine, or hard liquor regularly	89.1	88.4	—
Tried marijuana for the first time before age 11 years	4.7	3.1	*
Used marijuana one or more times (during the 30 days before the survey)	9.3	7.6	—
Used marijuana on school property one or more times (during the 30 days before the survey)	2.2	0.4	*
Ever used any form of cocaine (for example, powder, crack, or freebase)	2.9	2.0	—
Ever sniffed glue, breathed the contents of aerosol spray cans, or inhaled any paints or sprays to get high one or more times	9.7	7.5	*
Sniffed glue, breathed the contents of spray cans, or inhaled any paints or sprays to get high one or more times (during the 30 days before the survey)	10.3	8.9	—
Ever used methamphetamines (also called “speed”, “crystal”, “crank”, or “ice”)	2.6	2.1	—
Ever used ecstasy (also called “MDMA”)	2.2	0.9	*

(table continues)

Table 10. 2011 Hawai'i YRBS Public Middle School Kaua'i County vs. State Results cont.

Health Risk Behavior	State %	Kaua'i County %	Kaua'i County vs. State
Alcohol and Other Drug Use cont.			
Ever took prescription drugs one or more times without a doctor's prescription (such as Oxycontin, Percocet, Vicodin, codeine, Adderall, Ritalin, or Xanax)	5.0	2.7	*
Offered, sold, or given an illegal drug by someone on school property (during the 12 months before the survey)	9.3	7.8	—
Attended school under the influence of alcohol or other illegal drugs, such as marijuana or cocaine (during the 12 months before the survey)	7.0	3.8	*
Ever used alcohol or drugs to relax, feel better about themselves, or fit in	9.7	8.0	—
Ever used alcohol or drugs while they are alone	7.8	7.4	—
Ever forgot things they did while using alcohol or drugs	7.7	5.7	—
Ever had family or friends tell them that they should cut down on their drinking or drug use	8.4	7.4	—
Ever had gotten into trouble while they were using alcohol or drugs	7.1	6.2	—
Would seek help from a counselor or doctor if they thought that their alcohol or drug use was causing them problems	55.8	54.3	—
Sexual Behaviors			
Ever had sexual intercourse	10.4	9.3	—
Had sexual intercourse for the first time before age 11 years	3.5	1.5	*
Ever had sexual intercourse with three or more persons	2.5	1.7	—
Used a condom during last sexual intercourse (among students who ever had sexual intercourse)	62.6	NA	—
Weight Management			
Described themselves as slightly or very overweight	27.3	25.5	—
Were trying to lose weight	47.8	46.8	—
Ever exercised to lose weight or to keep from gaining weight	71.3	73.4	—

(table continues)

Table 10. 2011 Hawai'i YRBS Public Middle School Kaua'i County vs. State Results cont.

Health Risk Behavior	State %	Kaua'i County %	Kaua'i County vs. State
Weight Management cont.			
Ever ate less food, fewer calories, or foods low in fat to lose weight or to keep from gaining weight	45.0	42.1	—
Ever went without eating for 24 or more hours (also called fasting) to lose weight or to keep from gaining weight	15.1	11.9	—
Ever took diet pills, powders, or liquids to lose weight or to keep from gaining weight (without a doctor's advice)	4.9	4.3	—
Ever vomited or took laxatives to lose weight or to keep from gaining weight	4.3	3.7	—
Physical Activity			
Physically active at least 60 minutes per day on 5 or more days (doing any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)	44.4	41.6	—
Physically active at least 60 minutes per day on all 7 days (doing any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)	25.0	22.9	—
Did not participate in at least 60 minutes of physical activity on any day (doing any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)	16.0	13.2	—
Attended physical education classes on 1 or more days in an average week (when they were in school)	65.6	68.3	—
Attended physical education classes 5 days in an average week (when they were in school)	14.9	7.7	*
Watched television 3 or more hours per day (on an average school day)	39.4	33.2	*

(table continues)

Table 10. 2011 Hawai'i YRBS Public Middle School Kaua'i County vs. State Results cont.

Health Risk Behavior	State %	Kaua'i County %	Kaua'i County vs. State
Physical Activity cont.			
Used computers 3 or more hours per day (played video or computer games or used a computer for something that was not school work on an average school day)	37.5	28.4	*
Played on at least one sports team (run by their school or community groups during the 12 months before the survey)	58.8	58.4	—
Other Health Topics			
Were ever taught in school about AIDS or HIV infection	60.0	46.9	—
Ever had a doctor or nurse discuss ways to prevent pregnancy, sexually transmitted diseases (STDs), and AIDS or HIV with them	23.8	18.9	*
Ever had parents or other adults in their family talk with them about what they expect them to do or not to do when it comes to sex	38.7	38.1	—
Had at least one teacher or other adult in their school that they could talk to if they have a problem	64.3	67.3	—
Had an adult outside of school that they could talk to about things that are important to them	67.8	71.6	—
Ever had a parent or another adult in their family talk with them about the dangers of tobacco, alcohol, or drug use (during the 12 months before the survey)	43.0	41.7	—
Grades in school were mostly A's and B's (during the 12 months before the survey)	64.8	69.0	—
Thought they probably or definitely will complete high school	85.4	86.7	—

Table 11. 2011 Hawai'i Youth Risk Behavior Survey Public Middle School Maui County (n = 1,204) vs. State (n = 5,109) Results

Health Risk Behavior	State %	Maui County %	Maui County vs. State
Unintentional Injuries and Violence			
Rarely or never wore a bicycle helmet (among students who had ridden a bicycle)	75.4	80.7	* ^a
Rarely or never wore a helmet (among students who used rollerblades or rode a skateboard)	79.5	79.1	— ^b
Were in a vehicle driven by someone, including themselves, who had been using alcohol or other drugs (in the 30 days before the survey)	17.8	20.4	—
Carried a weapon on at least 1 day (for example, a gun, knife, or club during the 12 months before the survey)	16.4	19.9	*
Carried a weapon on school property on at least 1 day (for example, a gun, knife, or club during the 12 months before the survey)	3.5	2.7	—
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)	6.8	8.3	—
Threatened or injured with a weapon on school property one or more times (for example, a gun, knife, or club during the 12 months before the survey)	5.6	4.9	—
In a physical fight one or more times (during the 12 months before the survey)	25.5	27.8	—
In a physical fight on school property one or more times (during the 12 months before the survey)	11.3	12.8	—
Hurt in a physical fight and had to be treated by a doctor or nurse (during the 12 months before the survey)	4.1	4.6	—
Had a boyfriend or girlfriend (during the 12 months before the survey)	51.2	53.8	—
Hit, slapped, or physically hurt on purpose by their boyfriend or girlfriend (during the 12 months before the survey)	3.8	4.2	—

^a There was a statistically significant difference ($p < .05$) between Maui County and State survey administrations ^b No statistically significant difference ($p < .05$)

(table continues)

Table 11. 2011 Hawai'i YRBS Public Middle School Maui County vs. State Results cont.

Health Risk Behavior	State %	Maui County %	Maui County vs. State
Unintentional Injuries and Violence cont.			
Ever physically forced to have sexual intercourse (when they did not want to)	4.2	6.7	*
Ever bullied on school property	40.7	42.8	—
Ever been electronically bullied (including through e-mail, chat rooms, instant messaging, Web sites, or texting)	23.7	26.3	—
Strongly disagree or disagree that harassment and bullying by other students is a problem at their school	11.2	9.0	—
Ever felt sad or hopeless (almost every day for 2 or more weeks in a row that they stopped doing some usual activities)	25.8	26.1	—
Ever seriously thought about killing themselves	22.5	21.6	—
Ever made a plan about how they would kill themselves	15.5	15.2	—
Ever tried to kill themselves	9.2	9.5	—
Tried to kill themselves and attempt resulted in an injury, poisoning, or overdose that had to be treated by a doctor or nurse	10.4	10.8	—
Tobacco Use			
Ever tried cigarette smoking (even one or two puffs)	18.7	18.1	—
Smoked cigarettes on at least 1 day (during the 30 days before the survey)	7.2	6.6	—
Smoked cigarettes on 20 or more days (during the 30 days before the survey)	0.9	1.1	—
Ever used chewing tobacco, snuff, or dip (such as Redman, Levi Garret, Beechnut, Skoal, Skoal Bandits, or Copenhagen)	5.7	4.9	—
Used chewing tobacco, snuff, or dip on at least 1 day (during the 30 days before the survey)	4.0	4.3	—
Ever used e-cigarettes	4.2	4.7	—
Ever used sticks, strips, or orbs	2.7	2.8	—

(table continues)

Table 11. 2011 Hawai'i YRBS Public Middle School Maui County vs. State Results cont.

Health Risk Behavior	State %	Maui County %	Maui County vs. State
Alcohol and Other Drug Use			
Drank alcohol for the first time before age 11 years (other than a few sips)	16.3	17.6	—
Had at least one drink of alcohol on at least 1 day (during the 30 days before the survey)	12.5	12.6	—
Had at least one drink of alcohol on school property on at least 1 day (during the 30 days before the survey)	2.6	1.4	—
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	8.4	—
Had one or more best friends that have tried beer, wine, or hard liquor when their parents did not know about it (during the 12 months before the survey)	22.5	22.5	—
Parents would feel it was a little wrong, wrong, or very wrong for them to drink beer, wine, or hard liquor regularly	89.1	88.3	—
Tried marijuana for the first time before age 11 years	4.7	6.5	—
Used marijuana one or more times (during the 30 days before the survey)	9.3	10.1	—
Used marijuana on school property one or more times (during the 30 days before the survey)	2.2	1.4	—
Ever used any form of cocaine (for example, powder, crack, or freebase)	2.9	3.0	—
Ever sniffed glue, breathed the contents of aerosol spray cans, or inhaled any paints or sprays to get high one or more times	9.7	6.7	*
Sniffed glue, breathed the contents of spray cans, or inhaled any paints or sprays to get high one or more times (during the 30 days before the survey)	10.3	8.0	*
Ever used methamphetamines (also called “speed”, “crystal”, “crank”, or “ice”)	2.6	2.5	—
Ever used ecstasy (also called “MDMA”)	2.2	1.7	—

(table continues)

Table 11. 2011 Hawai'i YRBS Public Middle School Maui County vs. State Results cont.

Health Risk Behavior	State %	Maui County %	Maui County vs. State
Alcohol and Other Drug Use cont.			
Ever took prescription drugs one or more times without a doctor's prescription (such as Oxycontin, Percocet, Vicodin, codeine, Adderall, Ritalin, or Xanax)	5.0	6.2	—
Offered, sold, or given an illegal drug by someone on school property (during the 12 months before the survey)	9.3	8.5	—
Attended school under the influence of alcohol or other illegal drugs, such as marijuana or cocaine (during the 12 months before the survey)	7.0	6.6	—
Ever used alcohol or drugs to relax, feel better about themselves, or fit in	9.7	9.9	—
Ever used alcohol or drugs while they are alone	7.8	7.9	—
Ever forgot things they did while using alcohol or drugs	7.7	8.9	—
Ever had family or friends tell them that they should cut down on their drinking or drug use	8.4	8.8	—
Ever had gotten into trouble while they were using alcohol or drugs	7.1	8.4	—
Would seek help from a counselor or doctor if they thought that their alcohol or drug use was causing them problems	55.8	57.9	—
Sexual Behaviors			
Ever had sexual intercourse	10.4	12.2	—
Had sexual intercourse for the first time before age 11 years	3.5	3.9	—
Ever had sexual intercourse with three or more persons	2.5	2.9	—
Used a condom during last sexual intercourse (among students who ever had sexual intercourse)	62.6	56.1	—
Weight Management			
Described themselves as slightly or very overweight	27.3	27.2	—
Were trying to lose weight	47.8	51.0	—
Ever exercised to lose weight or to keep from gaining weight	71.3	75.2	*
Ever ate less food, fewer calories, or foods low in fat to lose weight or to keep from gaining weight	45.0	47.0	—

(table continues)

Table 11. 2011 Hawai'i YRBS Public Middle School Maui County vs. State Results cont.

Health Risk Behavior	State %	Maui County %	Maui County vs. State
Weight Management cont.			
Ever went without eating for 24 or more hours (also called fasting) to lose weight or to keep from gaining weight	15.1	15.8	—
Ever took diet pills, powders, or liquids to lose weight or to keep from gaining weight (without a doctor's advice)	4.9	5.0	—
Ever vomited or took laxatives to lose weight or to keep from gaining weight	4.3	6.2	*
Physical Activity			
Physically active at least 60 minutes per day on 5 or more days (doing any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)	44.4	47.1	—
Physically active at least 60 minutes per day on all 7 days (doing any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)	25.0	28.7	*
Did not participate in at least 60 minutes of physical activity on any day (doing any kind of physical activity that increased their heart rate and made them breathe hard some of the time during the 7 days before the survey)	16.0	15.2	—
Attended physical education classes on 1 or more days in an average week (when they were in school)	65.6	76.2	*
Attended physical education classes 5 days in an average week (when they were in school)	14.9	11.7	—
Watched television 3 or more hours per day (on an average school day)	39.4	37.1	*
Used computers 3 or more hours per day (played video or computer games or used a computer for something that was not school work on an average school day)	37.5	32.5	*
Played on at least one sports team (run by their school or community groups during the 12 months before the survey)	58.8	60.2	—

(table continues)

Table 11. 2011 Hawai‘i YRBS Public Middle School Maui County vs. State Results cont.

Health Risk Behavior	State %	Maui County %	Maui County vs. State
Other Health Topics			
Were ever taught in school about AIDS or HIV infection	60.0	62.8	—
Ever had a doctor or nurse discuss ways to prevent pregnancy, sexually transmitted diseases (STDs), and AIDS or HIV with them	23.8	28.0	—
Ever had parents or other adults in their family talk with them about what they expect them to do or not to do when it comes to sex	38.7	41.2	—
Had at least one teacher or other adult in their school that they could talk to if they have a problem	64.3	65.5	—
Had an adult outside of school that they could talk to about things that are important to them	67.8	70.9	—
Ever had a parent or another adult in their family talk with them about the dangers of tobacco, alcohol, or drug use (during the 12 months before the survey)	43.0	46.3	—
Grades in school were mostly A’s and B’s (during the 12 months before the survey)	64.8	69.4	—
Thought they probably or definitely will complete high school	85.4	87.7	—