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# Data Highlights from the 2017 Hawai'i Youth Tobacco Survey

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## Overview

The Hawaii Youth Tobacco Survey (HYTS) is a module of the Hawaii School Health Survey administered to public school students in grades 6-12 throughout Hawaii in odd-numbered years. This report presents a summary of the results from 2017. Data can be explored in more detail, including prevalence by sex, grade and race/ethnicity, 95% confidence intervals, and population estimates, using the Hawaii Indicator-Based Information System (Hawaii-IBIS; <http://ibis.hhdw.org/ibisph-view/>).

The impact of **combustible and traditional** tobacco on the lives of Hawaii's youth has declined from 2000 to 2017. Fewer teens have experimented with cigarettes and cigars, as well as with smokeless tobacco. However, **new tobacco products** are a concern. Experimentation with electronic smoking devices remains high. Prior to 2017, e-cigarette use was estimated with a survey question asking about several forms of tobacco. In 2017, the Hawaii YTS survey included questions specifically about e-cigarette use. The results reflect a significantly higher prevalence of e-cigarette use. In 2017, 21.9% of middle school students reported ever using an e-cigarette and 11.5% were current users (in the past 30 days). For high school students, 39.4% report ever having tried an e-cigarette and 20.9% report use in the past 30 days. The inclusion of questions specific for e-cigarette use also resulted in a large increase in the estimates for overall tobacco use. *The data for e-cigarette and overall tobacco use from the 2017 YTS should not be trended with data from previous years.*

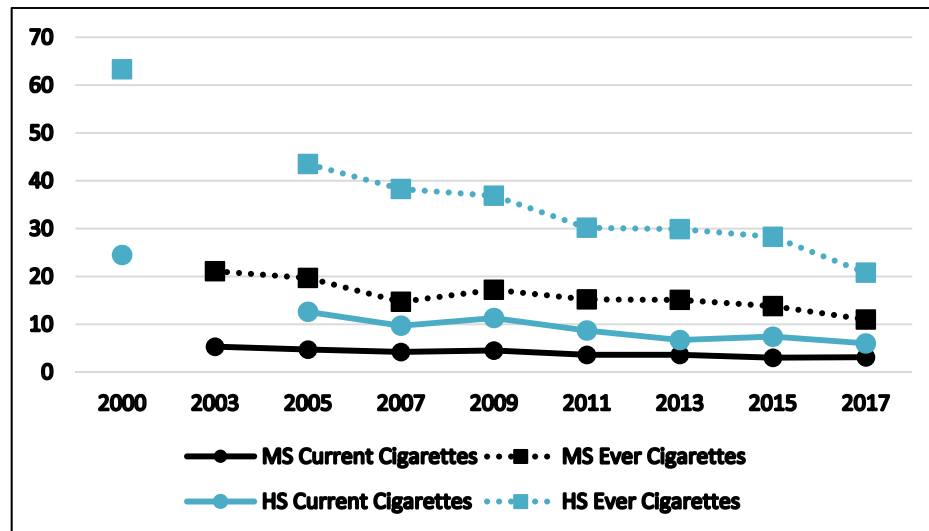


Figure 1: Ever and Current (in the past 30 days) Cigarette Use by School Type, HYTS 2000-2017. Due to changes in survey questions, overall tobacco use in 2017 should not be trended with estimates from previous years. Note: 2000 MS and 2003 HS data are not reportable due to insufficient participation.

## Prevalence

Significant progress has been made in reducing cigarette use among Hawaii youth over the past decade.

▽ Lifetime cigarette use (ever smoked even one or two puffs) decreased by 48% in middle school students (MS) from 21.1% in 2003 to 11.0% in 2017, and by 67% in high school students (HS) from 63.3% in 2000 to 20.8% in 2017 (Tables 2 and 3).

▽ Current smoking (in the past 30 days) among HS students decreased by over 75% from 24.5% in 2000 to 6.0% in 2017 (Figure 1). Frequent smoking (on 20 or more of the past 30 days) was reduced over 84% from 10.3% in 2000 to 1.6% in 2017. Among MS students, current smoking declined from 5.3% in 2003 to 3.1% in 2017, and only 0.5% of MS students reported frequent smoking in 2017 (Figure 1).

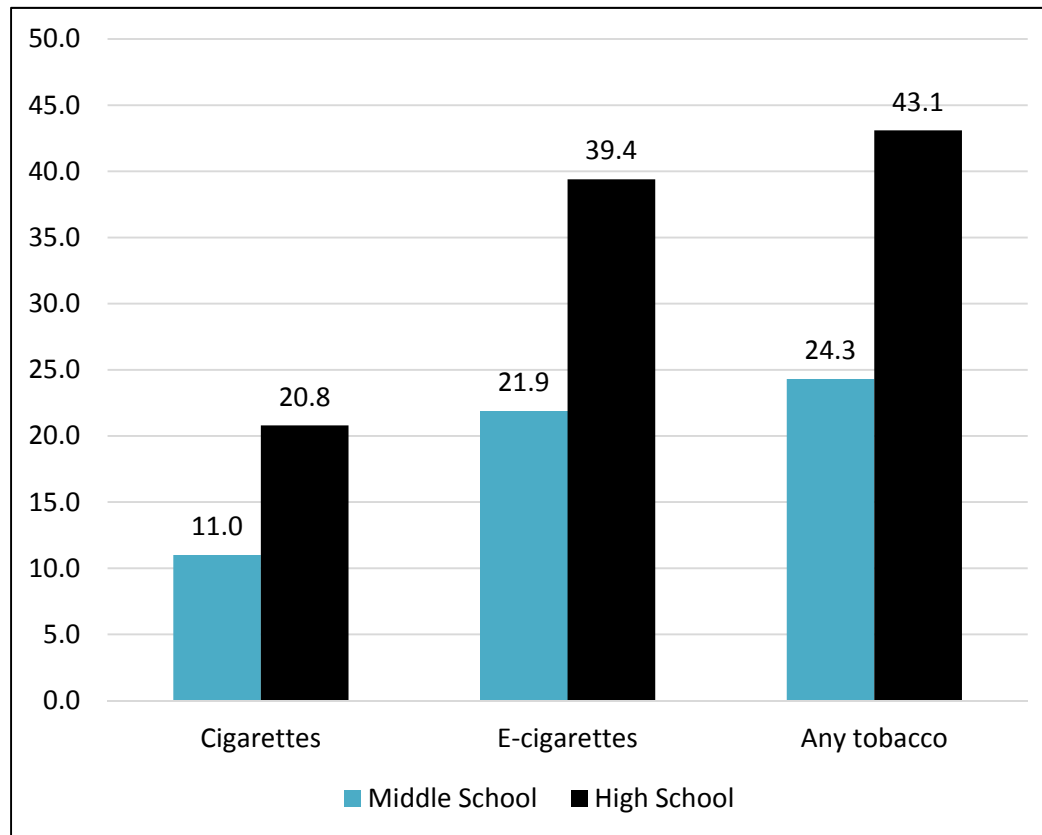


Figure 2: Ever Used Tobacco Products (lifetime use), HYTS 2017.

▼ In 2017, more than twice as many students reported having tried e-cigarettes versus combustible cigarettes. Almost a quarter of MS students reported ever having tried any form of tobacco. Among HS students, this prevalence rose to over 43.1% (Figure 2). *The definition of ever having tried any form of tobacco changed in 2017; in previous years, the forms of tobacco considered included cigarettes, cigars, smokeless tobacco, pipes, bidis, and Kreteks. In 2017, the forms of tobacco considered included cigarettes, cigars, smokeless tobacco, hookahs, and e-cigarettes.*

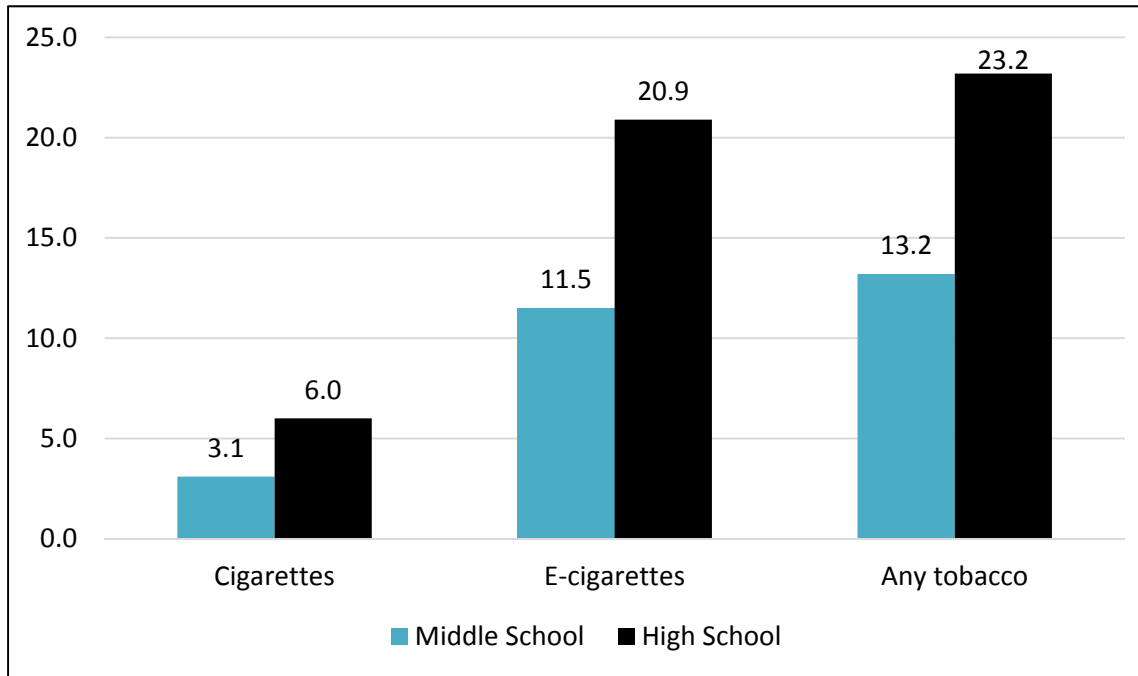


Figure 3: Currently Use Tobacco Products (in the past 30 days), HYTS 2017.

▼ In 2017, more than 3 times as many students reported current use of e-cigarettes versus combustible cigarettes. Nearly one in eight MS students reported current use of some form of tobacco, while almost a quarter of HS students reported tobacco current use (Figure 3). *The definition of currently using any form of tobacco changed in 2017; in previous years, the forms of tobacco considered included cigarettes, cigars, smokeless tobacco, pipes, bidis, and Kreteks. In 2017, the forms of tobacco considered included cigarettes, cigars, smokeless tobacco, hookahs, and e-cigarettes.*

## **Access**

Few smokers under the age of 18 years are able to purchase cigarettes at stores.

- ▼ Only 11.6% of MS and 15.2% of HS current smokers under 18 years of age bought their own cigarettes at a store in the past 30 days. However, 18.4% of MS students and 35.2% of HS students got cigarettes by borrowing or “bumming” them from friends, while 19.2% of MS students and 29.2% of underage HS smokers gave their friends money to buy cigarettes for them.
- ▼ Sales from potentially unregulated venues remain a concern as 66.8% of MS and 39.2% of HS current smokers report buying cigarettes somewhere other than a gas station, convenience store, grocery store, drug store, vending machine, through the mail or the Internet in the past month.
- ▼ Only 18.6% of MS and 48.4% of HS current smokers under the age of 18 who tried to purchase cigarettes were refused sale because of their age in the past month.
- ▼ Additionally, 84.6% of MS and 83.9% of HS tobacco users under the age of 18 feel it would be easy to get tobacco products if they wanted them.

## **Schools & Communities**

Students are learning about tobacco in school but there is room for improvement. The percent of students who have participated in the community event to discourage tobacco use has declined.

- ▼ Six in ten MS students compared to approximately five in ten HS students report being taught about why they should not use tobacco products in at least one class during this school year (58.9% MS, 48.3% HS); rates in 2017.

## **Cessation**

Most students who do smoke now have tried to quit in the past year, but many have been unable to stay off cigarettes for over 30 days. Very few students who use tobacco have participated in cessation programs in the past 12 months.

- ▼ 78.4% of MS and 66.7% of HS current smokers have tried to quit in the past year.
- ▼ Only 9.6% of MS and 6.7% of HS tobacco users attended a school program to help them quit in the past 12 months.

## **Perceptions, Beliefs & Social Influences**

Most students believe that tobacco products are dangerous and that they are being targeted by tobacco companies; nevertheless, there are more never smoking students susceptible to starting smoking than in any time since 2005.

- ▼ More than 90% of students agree that all tobacco products are dangerous (94.5% MS, 91.9% HS). However, a smaller percentage agree that all e-cigarette products are dangerous (80.6% MS, 71.9% HS). Just over 60% of students believe that tobacco companies try to get young people to smoke (60.6% MS, 64.1% HS).
- ▼ Still, 42.1% of MS students and 40.5% of HS students think that smokers have more friends.
- ▼ 17.1% of MS students and 22.8% of HS students report that one or more of their four best friends smoke cigarettes. In comparison, 30.0% of MS students and 43.8% of HS students report that one or more of their four best friends smoke e-cigarettes.
- ▼ The proportion of never smokers who are susceptible to starting smoking has increased to 22.3% among MS and 21.7% among HS never smokers (up from 11.8% MS and 8.6% HS in 2011).

### **Adult Counsel on Smoking**

The proportion of students who report having their smoking status assessed by a healthcare provider or being advised not to smoke continues to rise.

- ▼ Among MS and HS students who visited a doctor, dentist, nurse or other health professional in the past twelve months, only 31.6% of MS and 49.6% of HS students reported being asked if they used tobacco of any kind. This represents a 70% increase among MS students and a 27% increase among HS students as compared to 2011 (18.6% MS, 39.0% HS).
- ▼ Also, among students visiting a doctor, nurse, or other health professional in the past 12 months, 38.8% of MS and 45.2% HS students were advised by a health professional to not use tobacco of any kind. This represents a 27% increase among MS students and a 35% increase among HS students as compared to 2011 (30.5% MS, 33.6% HS).

### **Media**

Students are seeing and hearing fewer messages about the dangers of cigarettes on the TV, Internet and radio, but they are also seeing fewer people smoking on TV and in movies. However, new data shows that a significant proportion report receiving ads and coupons directly from tobacco companies.

- ▼ In 2017, 55.8% of MS and 57.2% of HS students report that they often see actors smoking on TV or in the movies, down from 76.9% in MS and 87.1% in HS in 2005.

### **Secondhand smoke (SHS)**

Exposure to SHS (in the past 7 days) has not changed substantially.

- ▼ More than a quarter of all students reported being exposed to SHS *at home* in the past 7 days (26.3% MS, 26.0% HS) in 2017.
- ▼ In 2017, 14.5% of MS and 17.1% of HS students reported being exposed to SHS *in a car* in the past 7 days.

- ▼ Altogether, 39.9% of MS students, and 46.2% of HS students reported any exposure to SHS *in an indoor or outdoor public place* in the past 7 days.

### **E-Cigarettes**

Several attitudes, perceptions and beliefs regarding the harm of e-cigarettes were assessed for the first time in 2017. In general, it appears that curiosity, willingness to try, and use of e-cigarettes is high among MS and HS students. The availability of e-cigarettes in flavors such as candy and fruit are key drivers of use. A smaller proportion of students believe that e-cigarettes and secondhand vaping are harmful.

- ▼ Among students who have never used e-cigarettes, nearly one-fifth (16.9% MS students and 18.5% HS students) state that they have been curious about using an e-cigarette, and nearly one in ten (8.5% MS students and 9.1% HS students) are likely to use a e-cigarette if offered one by their best friend.
- ▼ Most students who have tried e-cigarettes have used the rechargeable/refillable/tank kind (74.7% MS and 78.6% HS). The majority of students who have tried e-cigarettes purchased them from friends (63.7% MS, 60.0%), and nearly one-tenth purchased them in vape shops or stores that sell only e-cigarettes (9.2% MS, 10.8% HS).
- ▼ One fourth of students cite the availability of e-cigarettes in flavors such as mint, candy, fruit, or chocolate as their primary reason for using e-cigarettes (27.4% MS students, and 26.4% HS students).
- ▼ Most students believe all e-cigarettes are dangerous (80.6% MS and 72.0% HS students), but a smaller proportion believe that breathing vapor from other people's e-cigarettes is harmful (57.0% MS and 48.5% HS students).

### **Conclusion**

Tobacco use is still the leading preventable cause of death in the United States, and Hawaii has made great progress in reducing the toll of tobacco among youth. Nevertheless, there are still areas of concern. Although use of traditional tobacco products (cigarettes, cigars, smokeless tobacco and pipes) has decreased, experimentation with and current use of e-cigarettes is high and needs to be monitored.

## Background and Methods

The Youth Tobacco Survey (YTS) was designed by the Centers for Disease Control and Prevention (CDC) in collaboration with participating states. YTS surveys are conducted at the national, state, and city level. Additionally, many countries participate in the global YTS allowing for comparison across all participating areas.

The 2017 Hawaii YTS (HYTS) data used in this report were collected using a self-administered survey format and employed a two-stage cluster design to produce a representative sample of students in middle school (grades 6-8) and high school (grades 9-12). The first-stage sampling frame consisted of all public schools containing any grades 6-8 and grades 9-12. Schools with 6<sup>th</sup> grade as the terminal grade (elementary schools) were not included in the sample. Schools were selected with probability proportional to school enrollment size: 26 schools were selected for each sampling frame. The second sampling stage consisted of systematic equal probability sampling (with a random start) of classes from each school that participated in the survey. All students in the selected classes were eligible to participate in the survey. Passive parental consent was required for each student participating in the survey.

The overall survey response rates were calculated by multiplying the school response rate by the student response rate. In the middle school sampling frame, 26 of the 26 schools participated (100% of schools) and 1,979 of 2,244 eligible students participated (88.2% of students), yielding a survey response rate of 88.2% (100% x 88.2%). In the high school sampling frame, 26 of the 26 sampled schools participated (100% of schools) and 1,926 of 2,392 eligible students participated (80.5% of students), yielding a survey response rate of 80.5% (100% x 80.5%).

A weight has been associated with each questionnaire to reflect the likelihood of sampling each student and to reduce bias by compensating for differing patterns of non-response and to reflect the population of Hawaii children in public schools. Additional details on the methods can be found at [www.cdc.gov/mmwr](http://www.cdc.gov/mmwr). Table 1 (below) provides detailed demographic information on the 2017 HYTS respondents.

This overview provides summary results from the middle school and high school surveys for 2017 and compares them with the results from the 2000, 2003, 2005, 2007, 2009, 2011, 2013, and 2015 HYTS. Table 2 provides prevalence of selected indicators among middle school students and Table 3 provides the prevalence among high school students. Middle school data for 2000 and high school data for 2003 are not reportable due to inadequate response rates on those years. More indicators can be explored by gender, grade level, and race/ethnicity on the Hawaii Indicator-Based Information System (Hawaii-IBIS): [http://ibis.hhdw.org/ibisph-view/query/selection/yts/\\_YTSSelection.html](http://ibis.hhdw.org/ibisph-view/query/selection/yts/_YTSSelection.html)



**Table 1. Participant demographics by school type by sex, race, ethnicity and grade, HYTS 2017**

	Middle School		High School	
	n	Weighted %	n	Weighted %
<b>Total</b>	1,979	100.0	1,926	100.0
<b>Sex</b>				
Male	1,019	50.2	937	49.6
Female	949	49.8	972	50.4
<b>Ethnicity*</b>				
Native Hawaiian	403	16.4	284	16.3
Filipino	356	22.8	467	24.0
European Am/White	160	11.0	212	12.5
Japanese	147	7.9	153	7.0
Other Pacific Islander	112	9.4	125	7.9
Chinese	50	3.4	66	3.7
African Am/Black	74	2.1	59	2.3
Hispanic/Latino	72	4.8	55	3.4
Some Other Group	78	5.6	59	5.6
More than one group	294	16.7	308	17.3
<b>Grade</b>				
6th	435	22.8		
7th	754	39.6		
8th	777	37.7		
9th			534	28.4
10th			474	25.4
11th			548	23.8
12th			361	22.4

Note: Demographic totals may not add to survey participant totals due to skipped questions or unusable answers.

\*Ethnicities reported here are based on the students' choice of the one ethnic group which best describes them from the list displayed above.

Respondents were able to select an option which stated "I do not describe myself as only one group."

# MIDDLE SCHOOL RESULTS

<b>Table 2. Prevalence of selected tobacco indicators among middle school students, Hawaii YTS 2000-2017</b>									
<b>Tobacco Indicator</b>	<b>2000 HI %</b>	<b>2003 HI %</b>	<b>2005 HI %</b>	<b>2007 HI %</b>	<b>2009 HI %</b>	<b>2011 HI %</b>	<b>2013 HI %</b>	<b>2015 HI %</b>	<b>2017 HI %</b>
<b>Prevalence</b>									
<b>Ever used tobacco (lifetime use):</b>									
Cigarettes	nr	21.1	19.7	14.7	17.2	15.2	15.1	13.8	11.0
Cigar use	nr	8.8	9.8	7.7	6.5	5.3	4.0	5.2	3.3*
Smokeless tobacco	nr	8.0	8.1	5.8	3.3	3.3	3.7	3.8	2.4*
Pipes	--	--	--	--	--	--	4.7	4.0	--
<i>Bidis</i> (hand-rolled India cigarettes)	nr	4.2	4.1	4.1	1.6	2.2	1.0	1.3	--
<i>Kreteks</i> (clove cigarettes)	nr	2.5	2.2	2.5	1.5	1.6	0.8	1.0	--
Any form of tobacco†	nr	29.6	28.0	21.3	19.8	17.3	17.3	15.8	24.3†
<b>Used tobacco in past month (current use):</b>									
Cigarettes	nr	5.3	4.7	4.2	4.5	3.6	3.6	3.0	3.1
Cigar use	nr	2.1	1.7	2.5	1.8	2.5	1.2	1.6	2.0
Smokeless tobacco	nr	1.7	1.7	2.4	1.4	2.0	1.9	2.0	1.4
Pipes	nr	2.8	2.1	2.8	1.8	2.5	2.7	3.3	--
<i>Bidis</i> (hand-rolled India cigarettes)	nr	2.2	2.7	2.4	0.7	1.1	1.0	2.0	--
<i>Kreteks</i> (clove cigarettes)	--	--	--	--	--	--	0.8	1.5	--
Any form of tobacco†	nr	8.4	7.6	7.6	6.8	5.4	6.2	6.1	13.2†
<b>Used tobacco ≥20 days in past month (frequent use):</b>									
Cigarettes	nr	0.9	1.1	0.6	0.4	0.7	0.3	0.3	0.5
Cigar use	nr	0.3	0.2	0.4	0.1	0.5	0.2	0.3	0.2
Smokeless tobacco	nr	0.3	0.3	0.2	0.2	0.4	0.4	0.4	0.1
Pipes	nr	0.5	0.6	0.4	0.1	0.2	0.4	0.6	--
<i>Bidis</i> (hand-rolled India cigarettes)	nr	0.3	0.3	0.7	0.1	0.2	0.3	0.3	--
<i>Kreteks</i> (clove cigarettes)	--	--	--	--	--	--	0.3	0.5	--
<b>Ever used new tobacco products (lifetime use):</b>									
Roll your own cigarettes	--	--	--	--	--	--	3.5	3.9	2.7
Flavored cigarettes	--	--	--	--	--	--	2.0	1.6	1.5
Clove cigars	--	--	--	--	--	--	0.2	0.4	0.4
Flavored little cigars	--	--	--	--	--	--	0.9	1.1	0.5
E-cigarettes	--	--	--	--	--	1.9	7.9	12.2	21.9‡
Tobacco in hookah or water pipe	--	--	--	--	--	2.5	2.4	2.0	1.4
Orbs, sticks, strips	--	--	--	--	--	--	0	0.5	0.1
Snus	--	--	--	--	--	0.9	0.6	0.5	0.8
Other new product not listed	--	--	--	--	--	--	2.2	1.4	1.0
<b>Used new tobacco in past month (current use):</b>									
Roll your own cigarettes	--	--	--	--	--	--	2.3	2.3	1.0
Flavored cigarettes	--	--	--	--	--	--	0.8	0.7	0.8
Clove cigars	--	--	--	--	--	--	0.1	0.3	0.2
Flavored little cigars	--	--	--	--	--	--	0.5	0.5	0.4
E-cigarettes	--	--	--	--	--	--	5.5	7.6	11.5‡
Tobacco in hookah or water pipe	--	--	--	--	--	--	1.4	1.4	0.9
Dissolvables (Orbs, sticks or strips)	--	--	--	--	--	--	0.1	0.5	0.2
Snus	--	--	--	--	--	--	0.3	0.6	0.5
Other new product not listed	--	--	--	--	--	--	1.1	1.0	0.7
<b>Cigarette smoking severity</b>									
Smoke ≥6 cigarettes/day (current smokers)	nr	10.8	20.3	9.8	11.3	18.1	6.0	18.2	--
Smoked ≥100 cigarettes (ever smokers)	nr	4.4	8.5	5.2	5.0	5.1	3.2	3.6	3.6

nr—Data not reportable, insufficient participation; -- Question not asked during that survey year; \* Beginning in 2017, calculated based on age at first use; † Excludes pipes, bidis, and Kreteks (included in previous years); includes e-cigarettes and hookahs (not included in previous years); ‡ Beginning in 2017, e-cigarette use was measured with a specific question rather than being an option included with other new forms of tobacco.

<b>Table 2. Prevalence of selected tobacco indicators among middle school students, Hawaii YTS 2000-2017</b>									
<b>Tobacco Indicator</b>	<b>2000 HI %</b>	<b>2003 HI %</b>	<b>2005 HI %</b>	<b>2007 HI %</b>	<b>2009 HI %</b>	<b>2011 HI %</b>	<b>2013 HI %</b>	<b>2015 HI %</b>	<b>2017 HI %</b>
<b>Current cigarette use by sex</b>									
Male	nr	4.8	4.6	4.2	3.6	3.5	3.7	3.2	3.3
Female	nr	5.9	4.8	4.3	5.4	3.8	3.2	2.8	3.0
<b>First tried cigarettes before age 13</b>									
							10.3	9.2	8.3
<b>Cigarette preferences (current smokers)</b>									
<b>Usual brand of cigarettes during past 30 days:</b>									
No usual brand	nr	15.9	15.1	7.2	16.3	16.2	--	--	--
Marlboro	nr	18.6	29.3	23.2	20.1	20.6	--	--	--
Newport	nr	4.4	4.5	2.8	2.1	4.7	--	--	--
Camel	nr	5.9	3.4	11.8	9.0	17.4	--	--	--
All others (including Virginia Slims, GPC, Basic, Doral etc.)	nr	55.2	47.8	55.1	52.6	41.2	--	--	--
<b>Usual brand of cigarettes during past 30 days (different response options):</b>									
No usual brand	--	--	--	--	--	--	10.7	7.2	3.5
Marlboro	--	--	--	--	--	--	22.9	20.0	22.8
Newport	--	--	--	--	--	--	3.1	4.4	0.0
Kool	--	--	--	--	--	--	21.3	11.5	21.4
Camel	--	--	--	--	--	--	20.2	25.1	17.2
Lucky Strike	--	--	--	--	--	--	1.3	2.6	0.0
American Spirit	--	--	--	--	--	--	1.1	3.6	7.2
Virginia Slims, Parliament, GPC, Basic, Doral etc.)	--	--	--	--	--	--	0.0	3.0	1.7
Some other brand	--	--	--	--	--	--	19.4	22.6	26.4
Usually smoke menthol cigarettes	--	--	--	--	--	--	49.8	34.3	44.0
<b>Access (current smokers under 18 years of age)</b>									
<b>Usual source of cigarettes: (single response)</b>									
Store purchase	nr	3.2	6.2	2.3	1.3	2.5	--	--	--
Vending machines	nr	2.1	0	9.3	0.0	0.0	--	--	--
Gave someone money to buy them	nr	16.0	20.3	14.6	21.0	21.8	--	--	--
Borrowed them from someone	nr	22.6	23.3	18.4	27.0	19.0	--	--	--
Given by someone $\geq$ 18 years	nr	11.9	6.1	6.7	8.7	12.5	--	--	--
Took them from a store/family member	nr	19.2	19.3	14.7	20.2	11.7	--	--	--
Some other way	nr	25.1	24.8	33.9	21.9	32.6	--	--	--
<b>Source(s) of cigarettes: (multiple responses)</b>									
Bought them myself	--	--	--	--	--	--	8.5	12.9	11.6
Had someone buy them for me	--	--	--	--	--	--	21.3	20.7	19.2
Borrowed or bummed them	--	--	--	--	--	--	20.8	22.8	18.4
Someone gave them to me w/out my asking	--	--	--	--	--	--	12.4	11.7	18.7
Took from a person or store	--	--	--	--	--	--	15.3	19.7	11.1
Some other way	--	--	--	--	--	--	33.2	19.1	40.8
<b>Usual quantity of cigarette purchase:</b>									
Individually (loose)	--	--	12.0	17.9	35.8	26.3	--	--	--
By the pack	--	--	75.4	64.2	62.5	63.6	--	--	--
By the carton	--	--	12.6	17.8	1.8	10.1	--	--	--

<b>Table 2. Prevalence of selected tobacco indicators among middle school students, Hawaii YTS 2000-2017</b>									
<b>Tobacco Indicator</b>	<b>2000 HI %</b>	<b>2003 HI %</b>	<b>2005 HI %</b>	<b>2007 HI %</b>	<b>2009 HI %</b>	<b>2011 HI %</b>	<b>2013 HI %</b>	<b>2015 HI %</b>	<b>2017 HI %</b>
<b>Cigarette purchases:</b>									
<b>Place of most recent purchase: (single response)</b>									
Gas station	nr	11.5	20.6	29.6	25.4	nr	--	--	--
Convenience store	nr	11.0	16.3	11.5	7.5	nr	--	--	--
Grocery store	nr	6.7	11.9	3.1	3.1	nr	--	--	--
Drugstore	nr	8.8	8.6	7.6	4.8	nr	--	--	--
Vending machine	nr	4.4	0	8.6	0.0	0.0	--	--	--
Internet	nr	1.2	0	7.0	0.0	0.0	--	--	--
Other	nr	56.4	42.7	42.5	59.2	77.6	--	--	--
<b>Place of most recent purchase: (multiple responses)</b>									
Gas station	--	--	--	--	--	--	25.9	23.2	25.8
Convenience store	--	--	--	--	--	--	12.7	8.5	9.2
Grocery store	--	--	--	--	--	--	4.4	20.8	8.6
Drugstore	--	--	--	--	--	--	21.5	19.3	16.1
Vending machine	--	--	--	--	--	--	2.8	7.1	0.0
Internet	--	--	--	--	--	--	0.0	2.7	0.8
Through the mail	--	--	--	--	--	--	3.2	1.0	4.2
Other	--	--	--	--	--	--	50.3	27.0	66.8
Purchased from a lunch wagon or <i>manapua</i> truck in the past 30 days	--	--	25.1	16.3	11.7	20.1	--	--	--
Refused sale in past month	nr	29.6	28.1	nr	nr	Nr	nr	22.4	18.6
Know where to buy loose cigarettes	--	--	49.3	39.3	40.3	50.3	--	--	--
Feel it would be easy to get tobacco products if they wanted them	--	--	--	--	--	--	81.6	78.8	84.6
<b>School (all students)</b>									
Smoked cigarettes at school in past month	nr	2.5	2.7	2.7	1.7	1.7	--	--	--
Used smokeless tobacco at school in past month	nr	--	--	2.0	1.3	1.3	--	--	--
<b>Were taught, this school year, in class about:</b>									
Not using tobacco products	--	--	--	--	--	--	73.0	60.8	58.9
Danger of tobacco use	nr	55.6	72.2	52.6	62.1	67.3	--	--	--
Practiced ways to say no to tobacco	nr	40.4	57.8	38.1	45.1	47.0	--	--	--
Participated in a community event to discourage tobacco use in past year	nr	16.6	14.2	15.1	11.8	13.3	14.7	10.3	--
<b>Cessation (current smokers)</b>									
Want to stop smoking	nr	62.6	54.1	59.7	66.9	46.0	39.7	37.9	61.3
Tried to quit in past year	nr	72.1	70.8	75.2	82.5	76.9	65.6	70.7	78.4
Last quit attempt lasted <30 days	nr	37.3	39.3	47.1	31.7	51.7	34.6	33.5	--
Participated in a program to help them quit	nr	18.1	24.5	24.0	30.3	27.5	--	--	--
<b>Plan to stop smoking (among current smokers)</b>									
In the next 7 days	--	--	--	--	--	--	7.2	9.4	8.9
In the next 30 days	--	--	--	--	--	--	10.9	7.8	7.4
In the next 6 months	--	--	--	--	--	--	7.7	5.7	4.0
In the next year	--	--	--	--	--	--	15.6	17.8	16.2
Do not plan to stop smoking cigarettes in the next year	--	--	--	--	--	--	58.6	59.4	63.6

<b>Table 2. Prevalence of selected tobacco indicators among middle school students, Hawaii YTS 2000-2017</b>									
<b>Tobacco Indicator</b>	<b>2000 HI %</b>	<b>2003 HI %</b>	<b>2005 HI %</b>	<b>2007 HI %</b>	<b>2009 HI %</b>	<b>2011 HI %</b>	<b>2013 HI %</b>	<b>2015 HI %</b>	<b>2017 HI %</b>
<b>Cessation (current tobacco users)</b>									
<b>In the past 12 months, did you do any of the following to help you quit using tobacco of any kind for good? (multiple responses)</b>									
Did not try to quit	--	--	--	--	--	--	48.2	33.4	44.2
Attended a program at school	--	--	--	--	--	--	9.1	7.5	9.6
Attended a program in the community	--	--	--	--	--	--	2.6	6.3	2.9
Called a telephone help or quit line	--	--	--	--	--	--	0.4	9.2	2.1
Used nicotine gum	--	--	--	--	--	--	3.4	8.8	3.2
Used nicotine patch	--	--	--	--	--	--	1.0	4.4	0.8
Used any medicine to help quit	--	--	--	--	--	--	0.0	6.8	2.6
Visited an Internet quit sites	--	--	--	--	--	--	0.0	5.7	1.7
Got help from family or friends	--	--	--	--	--	--	7.5	10.4	12.8
Used another method i.e. hypnosis or acupuncture	--	--	--	--	--	--	0.0	7.3	0.9
Tried to quit on my own or "cold turkey"	--	--	--	--	--	--	34.4	41.5	31.5
<b>Seriously thinking about quitting all tobacco</b>									
Yes, in the next 30 days	--	--	--	--	--	--	41.8	39.6	--
Yes, within the next 6 months	--	--	--	--	--	--	8.3	14.5	--
Yes, after six months	--	--	--	--	--	--	9.9	12.5	--
No thinking about quitting the use of all tobacco	--	--	--	--	--	--	40.0	33.4	--
<b>Intention to start cigarette smoking (among never smokers)</b>									
May try a cigarette soon	nr	4.2	4.2	3.8	3.9	2.3	1.8	1.6	2.2
May smoke in the next year	--	11.8	12.7	10.8	11.3	9.0	11.8	12.1	13.7
Might smoke if offered by a friend	--	11.3	13.9	13.7	12.9	10.4	14.1	13.8	15.0
Susceptible to starting smoking	nr	14.3	16.8	16.1	14.9	11.8	14.5	14.3	22.3
<b>Beliefs about smoking and other tobacco products (all students)</b>									
<b>Percent who agree with the following:</b>									
Smokers have more friends	nr	26.0	25.0	22.3	25.3	26.5	22.1	23.5	42.1
Smoking makes young people look cool/fit in	nr	14.1	13.1	11.3	9.5	9.5	9.1	9.7	--
Tobacco companies try to get young people to use tobacco products	--	--	--	--	--	--	64.7	59.5	60.6
All tobacco products are dangerous	--	--	--	--	--	--	89.8	90.5	94.5
All e-cigarettes are dangerous	--	--	--	--	--	--	--	75.8	80.6
<b>Social Influences (all students)</b>									
<b>One or more best friends smoke cigarettes:</b>									
All students	nr	18.9	15.7	14.6	22.1	20.4	14.4	13.8	17.1
Never smokers	nr	11.7	9.7	9.5	15.4	14.2	8.4	8.5	11.4
Current smokers	nr	70.7	73.6	74.9	80.7	78.0	73.6	72.6	84.2
<b>One or more best friends smoke e-cigarettes:</b>									
All students	--	--	--	--	--	--	--	25.3	30.0
Never smokers	--	--	--	--	--	--	--	20.1	23.7
Current cigarette smokers	--	--	--	--	--	--	--	70.6	81.3
Current e-cigarette smokers	--	--	--	--	--	--	--	81.0	91.5
<b>Lives with someone who smokes cigarettes:</b>									
All students	nr	45.6	41.8	47.3	--	--	34.6	35.1	30.8
Never smokers	nr	41.2	37.9	45.2	--	--	31.1	31.6	27.1

<b>Table 2. Prevalence of selected tobacco indicators among middle school students, Hawaii YTS 2000-2017</b>									
<b>Tobacco Indicator</b>	<b>2000 HI %</b>	<b>2003 HI %</b>	<b>2005 HI %</b>	<b>2007 HI %</b>	<b>2009 HI %</b>	<b>2011 HI %</b>	<b>2013 HI %</b>	<b>2015 HI %</b>	<b>2017 HI %</b>
Current smokers	nr	67.3	71.9	60.5	--	--	59.8	63.7	68.5
<b>Lives with someone who uses tobacco:</b>									
All students	--	--	--	--	--	--	40.8	45.4	39.8
Never tobacco users	--	--	--	--	--	--	35.1	39.9	31.1
Current tobacco users	--	--	--	--	--	--	81.9	83.7	71.8
<b>Adult Counsel on Tobacco</b>									
Parents discussed the dangers of tobacco in the past year	nr	74.2	76.1	66.0	66.1	66.9	--	--	--
Parents discussed not using any type of tobacco product in past year	--	--	--	--	--	--	44.6	--	--
Parents discussed not using cigarettes, chewing tobacco, snuff, dip, cigars or e-cigarettes	--	--	--	--	--	--	--	42.8	--
Doctor, dentist, or nurse (Health professional) asked if they smoke, past 12 months (among those who saw a doctor, past 12 months)	--	--	--	18.2	17.1	16.1	--	--	--
Health professional asked if they use tobacco of any kind, past 12 months (among those who saw a doctor, past 12 months)	--	--	--	--	--	--	18.6	25.3	31.6
Health professional advised them not to smoke (among those who saw a doctor, past 12 months)	--	--	--	32.8	36.7	34.5	--	--	--
Health professional advised them not to use tobacco of any kind, past 12 months (among those who saw a doctor, past 12 months)	--	--	--	--	--	--	30.5	32.0	38.8
<b>Mass Media</b>									
<b>Antismoking commercial/ad exposure:</b>									
At least once in the past month	nr	71.8	62.9	65.0	58.3	62.4	58.6	62.3	--
Daily/almost daily during the past month	nr	38.4	29.8	22.9	19.9	21.8	18.1	21.6	--
Often see actors smoking in movies/TV	nr	76.8	76.9	74.3	75.6	70.8	67.5	61.9	55.8
Often see tobacco product ads on the Internet	--	--	--	--	--	--	43.1	45.5	42.5
Often see tobacco product ads in newspapers or magazines	--	--	--	--	--	--	42.5	41.9	--
See tobacco products/gear ads at local stores or gas stations	--	--	--	--	--	--	67.1	63.4	58.8
Saw tobacco product ads outside stores	--	--	--	--	--	--	38.9	34.9	34.1
Received merchandise with tobacco logo in past year	--	--	--	--	--	--	8.3	6.6	--
Would wear apparel with tobacco logos	--	--	--	--	--	--	10.8	11.1	--
<b>Direct Marketing</b>									
Received coupons from tobacco companies in the past 30 days	--	--	--	--	--	--	6.1	4.2	--
Received ads from tobacco companies in the past 30 days	--	--	--	--	--	--	9.1	9.7	--

<b>Table 2. Prevalence of selected tobacco indicators among middle school students, Hawaii YTS 2000-2017</b>									
<b>Tobacco Indicator</b>	<b>2000 HI %</b>	<b>2003 HI %</b>	<b>2005 HI %</b>	<b>2007 HI %</b>	<b>2009 HI %</b>	<b>2011 HI %</b>	<b>2013 HI %</b>	<b>2015 HI %</b>	<b>2017 HI %</b>
<b>Secondhand Smoke (SHS)</b>									
<b>Exposure</b>									
Exposed to SHS in a room in the past week	nr	40.0	39.2	38.0	38.1	34.6	--	--	--
Exposed to SHS at home in the past week	--	--	24.8	24.3	--	--	22.2	20.4	26.3
Exposed to SHS in a car in the past week*	nr	33.0	30.2	28.0	28.4	25.7	18.0	16.1	14.5
Exposed to SHS in school in the past week	--	--	--	--	--	--	22.8	19.4	20.1
Exposed to SHS at work in past week, among students who work	--	--	--	46.9	53.6	56.6	43.9	57.9	--
Any SHS exposure in an indoor or outdoor public place (malls, movie theaters, clubs or restaurants) in past week	--	--	--	--	--	--	37.2	39.2	39.9
<b>Smoking Rules</b>									
<b>Inside the home:</b>									
Not allowed anywhere	--	--	--	76.4	78.9	82.0	83.4	81.5	--
Allowed some places or some times	--	--	--	18.7	15.9	12.8	10.2	12.4	--
Allowed anywhere	--	--	--	5.0	5.1	5.2	6.4	6.1	--
<b>Inside the car:</b>									
Not allowed inside vehicle	--	--	--	75.6	76.3	78.6	80.5	81.5	--
Sometimes allowed in vehicle	--	--	--	16.7	17.4	14.3	12.9	11.8	--
Always allowed in vehicle	--	--	--	7.7	6.3	7.1	6.6	6.7	--
<b>At work (among students who work):</b>									
Never allowed where I work	--	--	--	73.6	71.2	60.0	--	--	--
Allowed some places or some times	--	--	--	19.1	20.1	27.8	--	--	--
Always allowed where I work	--	--	--	7.3	8.7	12.2	--	--	--
<b>Beliefs about Smoking</b>									
Think SHS is harmful	nr	86.5	88.4	87.5	88.3	86.9	92.8	92.5	--
Believe that smoking should never be allowed inside the home	--	--	--	--	--	--	88.5	89.0	--
Believe that smoking should never be allowed inside the car	--	--	--	--	--	--	90.4	90.9	--
Believe that smoking should never be allowed in indoor areas where people work	--	--	--	89.7	88.4	87.2	--	--	--
Believe that smoking should never be allowed in indoor public places	--	--	--	88.0	88.3	90.9	--	--	--
* Prior to 2013, the question asked about the exposure to someone smoking a cigarette. Beginning in 2013, the question asks about the exposure to someone smoking a tobacco product.									



<b>Table 3. Prevalence of selected indicators among middle school students, Hawaii YTS 2017</b>	
<b>Demographic Indicators</b>	
	<b>2017 HI %</b>
<b>Sexual identity:</b>	
Heterosexual	81.2
Gay or lesbian	0.8
Bisexual	5.2
Not sure	12.6
Transgender	1.0
<b>E-Cigarette Indicators</b>	
	<b>2017 HI %</b>
<b>Initiation (among never used e-cigarettes):</b>	
Probably or definitely has been curious about using an e-cigarette	16.9
Probably or definitely will try an e-cigarette soon	5.2
Probably or definitely will use an e-cigarette in the next year	3.1
Probably or definitely would use an e-cigarette if offered one by best friend	8.5
<b>Types of e-cigarettes used (among ever used e-cigarettes):</b>	
Only the disposable kind	4.7
Only rechargeable/refillable/tank kind	74.7
Both disposable and rechargeable/refillable/tank	20.6
<b>Place of e-cigarette purchase in the past 30 days (among students who used e-cigarettes in past 30 days, choose all that apply):</b>	
Gas station	1.5
Grocery store	0.2
Drugstore	0.3
Mall or shopping center kiosk/stand	2.9
On the internet	4.5
Vape shop or store that sells only e-cigarettes	9.2
Some other place not listed here	2.4
From a family member	29.1
From a friend	63.7
From some other person that is a not a family member or friend	8.5
<b>Reasons for e-cigarette use (among ever e-cigarette users, choose all that apply):</b>	
They are less harmful than other forms of tobacco, such as cigarettes	17.5
They are available in flavors, such as mint, candy, fruit, or chocolate	27.4
They can be used in areas where other tobacco products, such as cigarettes, are not allowed	4.4
Some other reason	38.9
<b>Access:</b>	
Refused sale of e-cigarette due to age, among those who tried to buy e-cigarettes in the past 30 days	13.1
<b>Beliefs:</b>	
Believes all e-cigarettes are dangerous	80.6
Believes breathing vapor from other people's e-cigarettes is harmful	57.0
<b>Other Drug Use Indicators</b>	
	<b>2017 HI %</b>
<b>Used during the past 30 days, even just one time:</b>	
Alcohol	12.2
Marijuana	7.1
Stimulants (such as cocaine, methamphetamine, ice, speed)	0.5
Depressants or downers (such as Quaaludes, heroin, OxyContin)	0.6
Took a prescription pain medicine without a prescription, past 30 days	6.5
Ever injected any drug into body	4.4

<b>Table 3. Prevalence of selected indicators among middle school students, Hawaii YTS 2017</b>	
Believes people risk harming themselves (physically or other ways) if they use prescription drugs occasionally	54.6
<b>Beliefs about Other Drug Use</b>	
<b>2017 HI %</b>	
<b>Do you think people risk harming themselves (physically or other ways) if they:</b>	
Use prescription drugs occasionally	54.6
<b>Externalization of Problems Based on a Series of Questions<sup>1</sup></b>	
<b>2017 HI %</b>	
<b>During the past 30 days, how often did you argue with others?</b>	
Average externalization score (out of 48)	9.3
Median externalization score	7.2
Standard deviation of externalization score	0.3
<b>Social Support</b>	
<b>2017 HI %</b>	
<b>In the past 12 months, have you ever:</b>	
Received help when you were feeling down or depressed from a school program or at school or some place other than school	17.9
Thought you should get help for feeling down or depressed but didn't	14.3

<sup>1</sup> Based on a series of questions: During the past 30 days, how often did you argue with others; get into fights; yell, swear, or scream at others; have fits of anger; refuse to do things teachers or parents ask you to do; cause trouble for no reason; find yourself lying about something; feel as if you could not sit still or had too much energy? Each question has a response range from 0 (Not at all) to 5 (All of the time). The score is the sum of the responses for all eight questions. It ranges from 0 to 48.

# HIGH SCHOOL RESULTS

<b>Table 4. Prevalence of selected tobacco indicators among high school students, Hawaii YTS 2000-2017</b>									
<b>Tobacco Indicator</b>	<b>2000 HI %</b>	<b>2003 HI %</b>	<b>2005 HI %</b>	<b>2007 HI %</b>	<b>2009 HI %</b>	<b>2011 HI %</b>	<b>2013 HI %</b>	<b>2015 HI %</b>	<b>2017 HI %</b>
<b>Prevalence</b>									
<b>Ever used tobacco (lifetime use):</b>									
Cigarettes	63.3	nr	43.5	38.3	36.9	30.2	29.9	28.3	20.8
Cigar use	27.5	nr	20.4	17.1	19.0	13.2	14.0	10.3	8.7*
Smokeless tobacco	10.4	nr	10.1	8.2	6.5	4.9	6.6	6.0	4.9*
Pipes	--	--	--	--	--	--	10.0	8.2	--
<i>Bidis</i> (hand-rolled India cigarettes)	13.2	nr	5.4	5.0	2.8	1.9	2.4	2.4	--
<i>Kreteks</i> (clove cigarettes)	11.0	nr	4.1	3.7	2.9	1.9	2.2	2.0	--
Any form of tobacco†	67.6	nr	49.8	43.7	40.8	33.5	33.8	30.7	43.1†
<b>Used tobacco in past month (current use):</b>									
Cigarettes	24.5	nr	12.6	9.7	11.3	8.7	6.7	7.4	6.0
Cigar use	4.9	nr	3.4	5.7	6.6	4.5	4.4	3.1	4.2
Smokeless tobacco	3.4	nr	2.1	3.7	3.2	1.6	2.4	3.1	3.2
Pipes	3.7	nr	2.8	3.9	2.4	2.1	5.1	3.8	--
<i>Bidis</i> (hand-rolled India cigarettes)	5.2	nr	2.3	3.3	1.6	0.8	1.6	3.0	--
<i>Kreteks</i> (clove cigarettes)	--	--	--	--	--	--	1.8	2.1	--
Any form of tobacco†	27.1	nr	15.4	14.2	15.6	11.8	11.8	11.0	23.2†
<b>Used tobacco ≥20 days in past month (frequent use):</b>									
Cigarettes	10.3	nr	3.9	3.0	3.8	2.9	2.1	2.0	1.6
Cigar use	0.8	nr	0.4	0.7	0.8	0.1	0.5	0.6	1.4
Smokeless tobacco	0.8	nr	0.5	1.0	1.3	0.5	0.7	0.7	1.0
Pipes	0.6	nr	0.7	0.5	1.0	0.4	1.2	0.8	--
<i>Bidis</i> (hand-rolled India cigarettes)	0.8	nr	0.4	0.4	0.7	0.2	0.5	0.5	--
<i>Kreteks</i> (clove cigarettes)	--	--	--	--	--	--	0.6	0.6	--
Betel nut use with tobacco	--	--	--	--	0.7	0.6	--	--	--
<b>Ever used new tobacco products (lifetime use):</b>									
Roll your own cigarettes	--	--	--	--	--	--	6.2	6.3	6.6
Flavored cigarettes	--	--	--	--	--	--	8.6	6.0	3.5
Clove cigars	--	--	--	--	--	--	1.4	0.5	1.1
Flavored little cigars	--	--	--	--	--	--	4.4	3.6	2.7
E-cigarettes	--	--	--	--	--	5.0	17.6	22.2	39.4‡
Tobacco in hookah or water pipe	--	--	--	--	--	12.5	8.3	5.9	3.8
Orbs, sticks, strips	--	--	--	--	--	--	0.9	0.6	0.7
Snus	--	--	--	--	--	1.1	2.9	2.6	1.6
Other new product not listed	--	--	--	--	--	--	3.6	1.7	2.0
<b>Used new tobacco in past month (current use):</b>									
Roll your own cigarettes	--	--	--	--	--	--	3.5	2.3	2.8
Flavored cigarettes	--	--	--	--	--	--	1.9	2.8	1.9
Clove cigars	--	--	--	--	--	--	0.6	0.5	0.5
Flavored little cigars	--	--	--	--	--	--	1.3	1.2	0.9
E-cigarettes	--	--	--	--	--	--	10.0	12.9	20.9‡
Tobacco in hookah or water pipe	--	--	--	--	--	--	3.3	2.1	1.6
Dissolvables (Orbs, sticks or strips)	--	--	--	--	--	--	0.5	0.5	1.0
Snus	--	--	--	--	--	--	0.8	0.8	0.7
Other new product not listed	--	--	--	--	--	--	1.1	1.7	0.6
<b>Cigarette smoking severity</b>									
Smoke ≥6 cigarettes/day (current smokers)	25.1	nr	20.8	21.0	25.4	12.8	28.7	11.7	--

<b>Table 4. Prevalence of selected tobacco indicators among high school students, Hawaii YTS 2000-2017</b>									
<b>Tobacco Indicator</b>	<b>2000 HI %</b>	<b>2003 HI %</b>	<b>2005 HI %</b>	<b>2007 HI %</b>	<b>2009 HI %</b>	<b>2011 HI %</b>	<b>2013 HI %</b>	<b>2015 HI %</b>	<b>2017 HI %</b>
Smoked $\geq$ 100 cigarettes (ever smokers)	27.1	nr	15.8	12.9	18.2	14.4	15.0	11.7	9.7
<b>Current cigarette use by sex</b>									
Male	23.3	nr	10.9	9.5	10.	8.0	7.4	8.1	6.2
Female	25.5	nr	14.2	9.8	11.9	9.6	5.9	6.6	5.9
<b>Age of initiation (ever smokers)</b>									
First smoked cigarettes before age 11	--	--	--	--	--	--	10.4	9.0	7.8
<b>Cigarette preferences (current smokers)</b>									
<b>Usual brand of cigarettes during past 30 days:</b>									
No usual brand	5.9	nr	15.9	13.9	16.9	12.0	--	--	--
Marlboro	42.0	nr	22.9	31.2	17.5	23.0	--	--	--
Newport	5.7	nr	2.2	1.4	2.2	1.9	--	--	--
Camel	2.7	nr	3.0	8.6	12.5	14.6	--	--	--
All others (including Virginia Slims, GPC, Basic, Doral etc.)	43.5	nr	55.9	44.9	50.9	48.5	--	--	--
<b>Usual brand of cigarettes during past 30 days (different response options):</b>									
No usual brand	--	--	--	--	--	--	8.6	5.8	7.8
Marlboro	--	--	--	--	--	--	28.7	22.8	20.1
Newport	--	--	--	--	--	--	6.5	6.0	2.3
Kool	--	--	--	--	--	--	18.6	22.6	18.6
Camel	--	--	--	--	--	--	12.2	28.0	21.4
Lucky Strike	--	--	--	--	--	--	0.2	0.0	3.5
American Spirit	--	--	--	--	--	--	6.1	1.3	11.6
Virginia Slims, Parliament, GPC, Basic, Doral etc.)	--	--	--	--	--	--	0.0	3.6	4.1
Some other brand	--	--	--	--	--	--	19.1	9.8	10.6
Usually smoke menthol cigarettes	--	--	--	--	--	--	66.4	62.9	54.4
<b>Access (current smokers under 18 years of age)</b>									
<b>Usual source of cigarettes: (single response)</b>									
Store purchase	16.6	nr	10.1	7.1	5.7	10.3	--	--	--
Vending machines	1.6	nr	1.4	1.0	3.0	0.0	--	--	--
Gave someone money to buy them	28.9	nr	26.7	35.1	29.1	21.8	--	--	--
Borrowed them from someone	23.3	nr	28.3	25.7	28.5	32.0	--	--	--
Given by someone $\geq$ 18 years	12.0	nr	11.2	8.2	17.0	17.2	--	--	--
Took them from a store/family member	3.5	nr	9.2	4.4	4.9	5.1	--	--	--
Some other way	14.1	nr	13.2	18.5	11.7	13.6	--	--	--
<b>Source(s) of cigarettes: (multiple responses)</b>									
Bought them myself	--	--	--	--	--	--	14.9	17.4	15.2
Had someone buy them for me	--	--	--	--	--	--	31.9	30.2	29.2
Borrowed or bummed them	--	--	--	--	--	--	27.0	27.1	35.2
Someone gave them to me w/out my asking	--	--	--	--	--	--	12.1	17.8	23.3
Took from a person or store	--	--	--	--	--	--	6.2	5.8	7.8
Some other way	--	--	--	--	--	--	11.1	20.3	13.2
<b>Usual quantity of cigarette purchase:</b>									
Individually (loose)	--	--	10.9	6.5	14.0	14.2	--	--	--
By the pack	--	--	79.0	89.2	73.6	80.4	--	--	--
By the carton	--	--	10.0	4.3	12.4	5.3	--	--	--

<b>Table 4. Prevalence of selected tobacco indicators among high school students, Hawaii YTS 2000-2017</b>									
<b>Tobacco Indicator</b>	<b>2000 HI %</b>	<b>2003 HI %</b>	<b>2005 HI %</b>	<b>2007 HI %</b>	<b>2009 HI %</b>	<b>2011 HI %</b>	<b>2013 HI %</b>	<b>2015 HI %</b>	<b>2017 HI %</b>
<b>Cigarette purchases:</b>									
<b>Place of most recent purchase: (single response)</b>									
Gas station	14.3	nr	27.6	25.2	25.7	23.0	--	--	--
Convenience store	25.7	nr	23.5	15.1	16.7	27.8	--	--	--
Grocery store	16.6	nr	10.9	12.1	11.7	**	--	--	--
Drugstore	7.4	nr	3.7	9.7	6.4	**	--	--	--
Vending machine	1.0	nr	0.7	0.8	7.0	0.0	--	--	--
Internet	1.0	nr	1.0	2.7	0.8	**	--	--	--
Other	32.6	nr	32.6	34.3	31.8	35.5	--	--	--
<b>Place of purchase, past 30 days: (multiple responses)</b>									
Gas station	--	--	--	--	--	--	23.3	37.2	37.8
Convenience store	--	--	--	--	--	--	9.6	27.9	6.8
Grocery store	--	--	--	--	--	--	2.4	12.1	16.0
Drugstore	--	--	--	--	--	--	13.4	27.3	11.0
Vending machine	--	--	--	--	--	--	7.4	2.5	4.6
Internet	--	--	--	--	--	--	3.3	2.2	5.7
Through the mail	--	--	--	--	--	--	0.3	0.7	1.5
Other	--	--	--	--	--	--	43.3	28.6	39.2
Purchased from a lunch wagon or <i>manapua</i> truck in the past 30 days	--	--	11.0	14.7	20.0	10.4	--	--	--
Refused sale in past month	43.5	nr	30.8	33.4	27.9	33.5	23.4	30.4	48.4
Know where to buy loose cigarettes	--	--	21.3	33.6	28.0	30.5	--	--	--
Feel it would be easy to get tobacco products if they wanted them	--	--	--	--	--	--	96.1	86.7	83.9
<b>School (all students)</b>									
Smoked cigarettes at school in past month	12.2	nr	5.0	4.6	4.9	3.4	--	--	--
Used smokeless tobacco at school in past month	--	nr	--	4.5	3.0	2.2	--	--	--
<b>Were taught, this school year, in class about:</b>									
Not using tobacco products	--	--	--	--	--	--	46.3	42.3	48.3
Danger of tobacco use	50.9	nr	56.6	45.9	47.8	44.8	--	--	--
Practiced ways to say no to tobacco	23.7	nr	32.3	25.7	24.9	25.4	--	--	--
Participated in a community event to discourage tobacco use in past year	18.1	nr	15.3	14.4	14.1	10.9	12.5	10.4	--
<b>Cessation (current smokers)</b>									
Want to stop smoking	71.8	nr	66.9	51.5	60.5	60.6	52.9	56.2	52.8
Tried to quit in past year	71.0	nr	63.9	64.2	66.8	61.9	70.6	68.4	66.7
Last quit attempt lasted <30 days	45.3	nr	36.1	50.2	43.4	41.0	36.3	38.7	--
Participated in a program to help them quit	12.2	nr	18.1	13.3	16.2	19.2	--	--	--
<b>Plan to stop smoking</b>									
In the next 7 days	--	--	--	--	--	--	8.2	10.2	11.4
In the next 30 days	--	--	--	--	--	--	6.7	5.7	13.8
In the next 6 months	--	--	--	--	--	--	11.3	8.6	8.6
In the next year	--	--	--	--	--	--	22.2	19.5	11.0
Do not plan to stop smoking cigarettes in the next year	--	--	--	--	--	--	51.7	56.1	55.3

<b>Table 4. Prevalence of selected tobacco indicators among high school students, Hawaii YTS 2000-2017</b>									
<b>Tobacco Indicator</b>	<b>2000 HI %</b>	<b>2003 HI %</b>	<b>2005 HI %</b>	<b>2007 HI %</b>	<b>2009 HI %</b>	<b>2011 HI %</b>	<b>2013 HI %</b>	<b>2015 HI %</b>	<b>2017 HI %</b>
<b>Cessation (Current tobacco users)</b>									
<b>In the past 12 months, did you do any of the following to help you quit using tobacco of any kind for good? (multiple responses)</b>									
Did not try to quit	--	--	--	--	--	--	31.3	41.1	54.6
Attended a program at school	--	--	--	--	--	--	7.8	4.1	6.7
Attended a program in the community	--	--	--	--	--	--	4.1	2.5	2.3
Called a telephone help or quit line	--	--	--	--	--	--	1.0	5.5	0.9
Used nicotine gum	--	--	--	--	--	--	6.4	4.9	1.9
Used nicotine patch	--	--	--	--	--	--	1.0	1.9	0.8
Used any medicine to help quit	--	--	--	--	--	--	0.0	1.4	0.3
Visited an Internet quit sites	--	--	--	--	--	--	2.4	2.2	2.0
Got help from family or friends	--	--	--	--	--	--	8.3	8.4	6.0
Used another method i.e. hypnosis or acupuncture	--	--	--	--	--	--	0.9	1.2	0.9
Tried to quit on my own or "cold turkey"	--	--	--	--	--	--	46.2	37.1	30.3
<b>Seriously thinking about quitting all tobacco</b>									
Yes, in the next 30 days	--	--	--	--	--	--	32.4	34.1	--
Yes, within the next 6 months	--	--	--	--	--	--	13.1	13.7	--
Yes, after six months	--	--	--	--	--	--	12.5	14.4	--
No thinking about quitting the use of all tobacco	--	--	--	--	--	--	41.9	37.7	--
<b>Intention to start cigarette smoking (among never smokers)</b>									
May try a cigarette soon	3.3	nr	4.5	5.4	1.9	1.0	1.0	2.0	2.2
May smoke in the next year	15.5	nr	14.3	10.6	13.5	9.6	11.6	16.5	14.4
Might smoke if offered by a friend	--	nr	14.9	13.6	12.4	9.5	12.2	14.7	16.1
Susceptible to starting smoking	8.0	nr	11.8	11.5	10.5	8.6	10.0	13.8	21.7
<b>Beliefs about smoking and other tobacco products (all students)</b>									
<b>Percent who agree with the following:</b>									
Smokers have more friends	27.1	nr	33.4	27.8	34.1	30.5	30.8	29.2	40.5
Smoking makes young people look cool/fit in	14.6	nr	15.1	12.9	11.4	8.6	10.3	10.8	--
Tobacco companies try to get young people to use tobacco products	--	--	--	--	--	--	66.5	61.9	64.1
All tobacco products are dangerous	--	--	--	--	--	--	87.5	89.2	91.9
All e-cigarettes are dangerous	--	--	--	--	--	--	--	67.3	71.9
<b>Social Influences (all students)</b>									
<b>One or more best friends smoke cigarettes:</b>									
All students	49.4	nr	34.8	32.6	38.9	35.6	32.0	24.9	22.8
Never smokers	27.9	nr	22.4	19.8	26.2	24.9	20.9	15.5	14.7
Current smokers	81.1	nr	78.4	84.3	85.0	80.5	88.1	81.0	78.2
<b>One or more best friends smoke e-cigarettes:</b>									
All students	--	--	--	--	--	--	--	38.9	43.8
Never smokers	--	--	--	--	--	--	--	30.5	36.6
Current cigarette smokers	--	--	--	--	--	--	--	75.6	73.6
Current e-cigarette smokers	--	--	--	--	--	--	--	80.9	88.4
<b>Lives with someone who smokes cigarettes:</b>									
All students	--	--	--	--	--	--	37.1	34.3	31.1
Never smokers	--	--	--	--	--	--	32.2	30.7	25.3

<b>Table 4. Prevalence of selected tobacco indicators among high school students, Hawaii YTS 2000-2017</b>									
<b>Tobacco Indicator</b>	<b>2000 HI %</b>	<b>2003 HI %</b>	<b>2005 HI %</b>	<b>2007 HI %</b>	<b>2009 HI %</b>	<b>2011 HI %</b>	<b>2013 HI %</b>	<b>2015 HI %</b>	<b>2017 HI %</b>
Current smokers	--	--	--	--	--	--	51.9	54.0	56.2
<b>Lives with someone who uses tobacco:</b>									
All students	--	--	--	--	--	--	43.3	47.1	39.6
Never tobacco users	--	--	--	--	--	--	36.3	39.7	27.5
Current tobacco users	--	--	--	--	--	--	61.5	72.8	58.4
<b>Adult Counsel on Tobacco</b>									
Parents discussed the dangers of tobacco in past year	63.3	nr	67.0	59.3	61.1	60.7	--	--	--
Parents discussed not using any type of tobacco product in past year	--	--	--	--	--	--	33.3	--	--
Parents discussed not using cigarettes, chewing tobacco, snuff, dip, cigars or e-cigarettes	--	--	--	--	--	--	--	35.1	--
Doctor, dentist, nurse (Health professional) asked if they smoke, past 12 months (among those who saw a doctor, past 12 months)	--	--	--	35.9	34.9	36.1	--	--	--
Health professional asked if they use tobacco of any kind, past 12 months (among those who saw a doctor, past 12 months)	--	--	--	--	--	--	39.0	37.3	49.6
Health professional advised them not to smoke (among those who saw a doctor, past 12 months)	--	--	--	32.8	36.7	34.5	--	--	--
Health professional advised them not to use tobacco of any kind, past 12 months (among those who saw a doctor, past 12 months)	--	--	--	--	--	--	33.6	34.4	45.2
<b>Mass Media</b>									
<b>Antismoking commercial/ad exposure:</b>									
At least once in the past month	78.8	nr	75.3	78.2	70.6	70.8	66.3	61.8	--
Daily/almost daily during the past month	40.7	nr	31.5	30.3	25.8	23.6	17.9	18.5	--
Often see actors smoking in movies/TV	89.3	nr	87.1	82.8	81.2	78.3	74.6	66.5	57.2
Often see tobacco product ads on the Internet	--	--	--	--	--	--	48.8	44.7	44.5
Often see tobacco product ads in newspapers or magazines	--	--	--	--	--	--	47.4	45.5	--
See tobacco products/gear ads at local stores or gas stations	--	--	--	--	--	--	75.6	70.0	65.4
Saw tobacco product ads outside stores	--	--	--	--	--	--	48.1	42.0	39.0
Bought or received merchandise with tobacco logo in past year	--	--	--	--	--	--	7.7	6.6	--
Would wear apparel with tobacco logos	--	--	--	--	--	--	12.9	13.6	--
<b>Direct Marketing</b>									
Received coupons from tobacco companies in the past 30 days	--	--	--	--	--	--	5.1	4.6	--
Received ads from tobacco companies in the past 30 days	--	--	--	--	--	--	7.4	8.1	--



<b>Table 4. Prevalence of selected tobacco indicators among high school students, Hawaii YTS 2000-2017</b>									
<b>Tobacco Indicator</b>	<b>2000 HI %</b>	<b>2003 HI %</b>	<b>2005 HI %</b>	<b>2007 HI %</b>	<b>2009 HI %</b>	<b>2011 HI %</b>	<b>2013 HI %</b>	<b>2015 HI %</b>	<b>2017 HI %</b>
<b>Secondhand Smoke (SHS)</b>									
<b>Exposure</b>									
Exposed to SHS in a room in the past week	68.1	nr	56.4	52.5	53.4	44.4	--	--	--
Exposed to SHS at home in the past week	--	--	28.3	23.4	--	--	26.0	22.9	26.0
Exposed to SHS in a car in the past week*	49.4	nr	34.8	32.2	36.3	27.4	23.8	18.3	17.1
Exposed to SHS in school in the past week	--	--	--	--	--	--	42.3	32.1	28.8
Exposed to SHS at work in past week, among students who work	--	--	--	44.2	49.3	45.7	50.5	53.0	--
Any SHS exposure in an indoor or outdoor public place (malls, movie theaters, clubs, or restaurants) in past week	--	--	--	--	--	--	48.8	45.1	46.2
<b>Smoking Rules</b>									
<b>Inside the home:</b>									
Not allowed anywhere	--	--	--	77.3	78.2	82.7	81.6	78.3	--
Allowed some places or some times	--	--	--	14.9	13.8	12.2	11.0	13.5	--
Allowed anywhere	--	--	--	7.8	8.0	5.1	7.5	8.2	--
<b>Inside the car:</b>									
Not allowed inside vehicle	--	--	--	76.5	72.3	78.6	77.3	76.2	--
Sometimes allowed in vehicle	--	--	--	13.7	16.0	13.7	14.5	14.6	--
Always allowed in vehicle	--	--	--	9.8	11.7	7.7	8.2	9.2	--
<b>At work (among students who work):</b>									
Never allowed where I work	--	--	--	57.1	53.5	57.6	--	--	--
Allowed some places or some times	--	--	--	34.7	36.9	32.4	--	--	--
Always allowed where I work	--	--	--	8.2	9.6	10.0	--	--	--
<b>Beliefs about Smoking</b>									
Think SHS is harmful	91.7	nr	93.8	93.3	90.5	91.3	92.9	92.2	--
Believe that smoking should never be allowed inside the home	--	--	--	--	--	--	85.6	84.6	--
Believe that smoking should never be allowed inside the car	--	--	--	--	--	--	85.8	85.7	--
Believe that smoking should never be allowed in indoor areas where people work	--	--	--	85.7	84.7	85.4	--	--	--
Believe that smoking should never be allowed inside indoor public places	--	--	--	86.4	87.0	87.4	--	--	--
* Prior to 2013, the question asked about the exposure to someone smoking a cigarette. Beginning in 2013, the question asks about the exposure to someone smoking a tobacco product.									

<b>Table 5. Prevalence of selected indicators among high school students, Hawaii YTS 2017</b>	
<b>Demographic Indicators</b>	
	<b>2017 HI %</b>
<b>Sexual identity:</b>	
Heterosexual	88.6
Gay or lesbian	2.1
Bisexual	4.9
Not sure	4.4
Transgender	1.0
<b>E-Cigarette Indicators</b>	
	<b>2017 HI %</b>
<b>Initiation (among never used e-cigarettes):</b>	
Probably or definitely has been curious about using an e-cigarette	18.5
Probably or definitely will try an e-cigarette soon	4.7
Probably or definitely will use an e-cigarette in the next year	2.8
Probably or definitely would use an e-cigarette if offered one by best friend	9.1
<b>Types of e-cigarettes used (among ever used e-cigarettes):</b>	
Only the disposable kind	4.0
Only rechargeable/refillable/tank kind	78.6
Both disposable and rechargeable/refillable/tank	17.4
<b>Place of e-cigarette purchase in the past 30 days (among students who used e-cigarettes in past 30 days, choose all that apply):</b>	
Gas station	2.9
Grocery store	1.6
Drugstore	1.4
Mall or shopping center kiosk/stand	3.6
On the internet	7.8
Vape shop or store that sells only e-cigarettes	10.8
Some other place not listed here	5.3
From a family member	16.2
From a friend	60.0
From some other person that is a not a family member or friend	9.0
<b>Reasons for e-cigarette use (among ever e-cigarette users, choose all that apply):</b>	
They are less harmful than other forms of tobacco, such as cigarettes	12.7
They are available in flavors, such as mint, candy, fruit, or chocolate	26.4
They can be used in areas where other tobacco products, such as cigarettes, are not allowed	4.0
Some other reason	38.0
<b>Access:</b>	
Refused sale of e-cigarette due to age, among those who tried to buy e-cigarettes in the past 30 days	14.6
<b>Beliefs:</b>	
Believes all e-cigarettes are dangerous	72.0
Believes breathing vapor from other people's e-cigarettes is harmful	48.5
<b>Other Drug Use Indicators</b>	
	<b>2017 HI %</b>
<b>Used during the past 30 days, even just one time:</b>	
Alcohol	22.2
Marijuana	16.3
Stimulants (such as cocaine, methamphetamine, ice, speed)	1.6
Depressants or downers (such as Quaaludes, heroin, OxyContin)	1.4
Took a prescription pain medicine without a prescription, past 30 days	9.2
Ever injected any drug into body	4.4

<b>Table 5. Prevalence of selected indicators among high school students, Hawaii YTS 2017</b>	
Believes people risk harming themselves (physically or other ways) if they use prescription drugs occasionally	57.8
<b>Externalization of Problems Based on a Series of Questions<sup>2</sup></b>	
<b>2017 HI %</b>	
<b>During the past 30 days, how often did you argue with others?</b>	
Average externalization score (out of 48)	7.8
Median externalization score	5.9
Standard error of externalization score	0.16
<b>Social Support</b>	
<b>2017 HI %</b>	
<b>In the past 12 months, have you ever:</b>	
Received help when you were feeling down or depressed from a school program or at school or some other place than school	15.1
Thought you should get help for feeling down or depressed but didn't	11.1

<sup>2</sup> Based on a series of questions: During the past 30 days, how often did you argue with others; get into fights; yell, swear, or scream at others; have fits of anger; refuse to do things teachers or parents ask you to do; cause trouble for no reason; find yourself lying about something; feel as if you could not sit still or had too much energy? Each question has a response range from 0 (Not at all) to 5 (All of the time). The score is the sum of the responses for all eight questions. It ranges from 0 to 48.