

Data Highlights from the 2013 Hawai'i Youth Tobacco Survey (YTS) and Comparisons with Prior Years

Tobacco Prevention and Control Program
Chronic Disease Management and Control Branch
Tobacco Settlement Project
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2003, 2005, 2011 & 2013 data summary compiled by Tonya Lowery St. John, MPH
2007 & 2009 data summary compiled by Ann Pobutsky, PhD
2000 data summary compiled by Lila Johnson, MPH

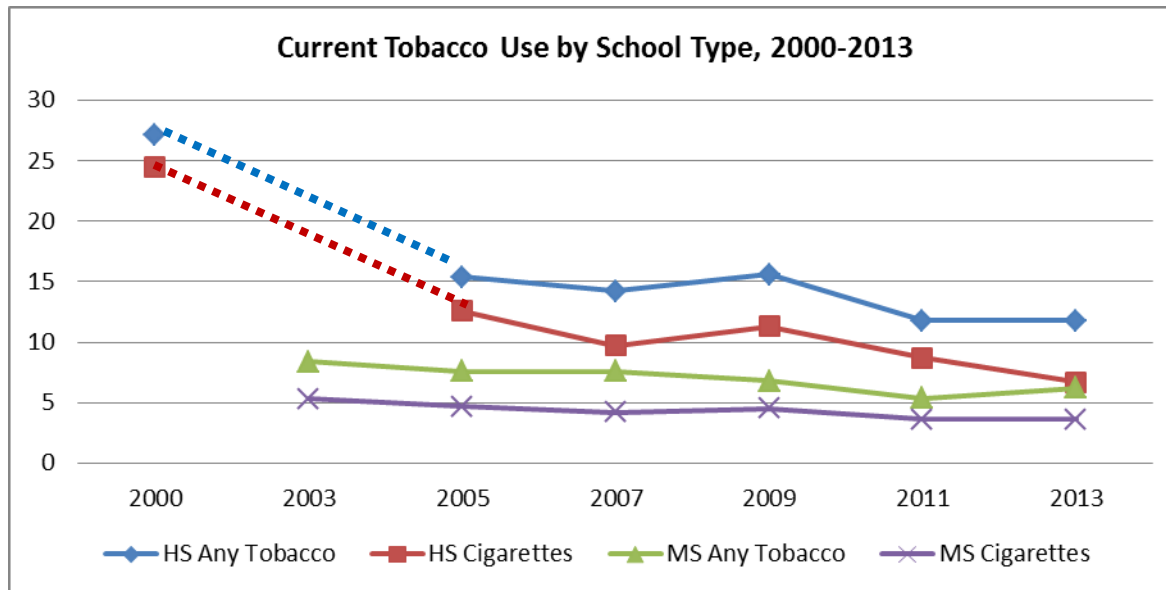
Overview

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 2013. More detailed data tables for the state including prevalence by sex, grade and race/ethnicity, 95% confidence intervals and population estimates can be found at the Hawaii Health Data Warehouse (www.hhdw.org).

The overall impact of tobacco on the lives of Hawaii's youth has declined from 2000 to 2013. Fewer teens have experimented with using traditional forms of tobacco and fewer teens are current cigarette smokers. Tobacco use, especially cigarette use, has declined dramatically as has exposure to secondhand smoke. However, new tobacco products are a concern. Experimentation with electronic smoking devices increased dramatically from 2011 to 2013.

Prevalence

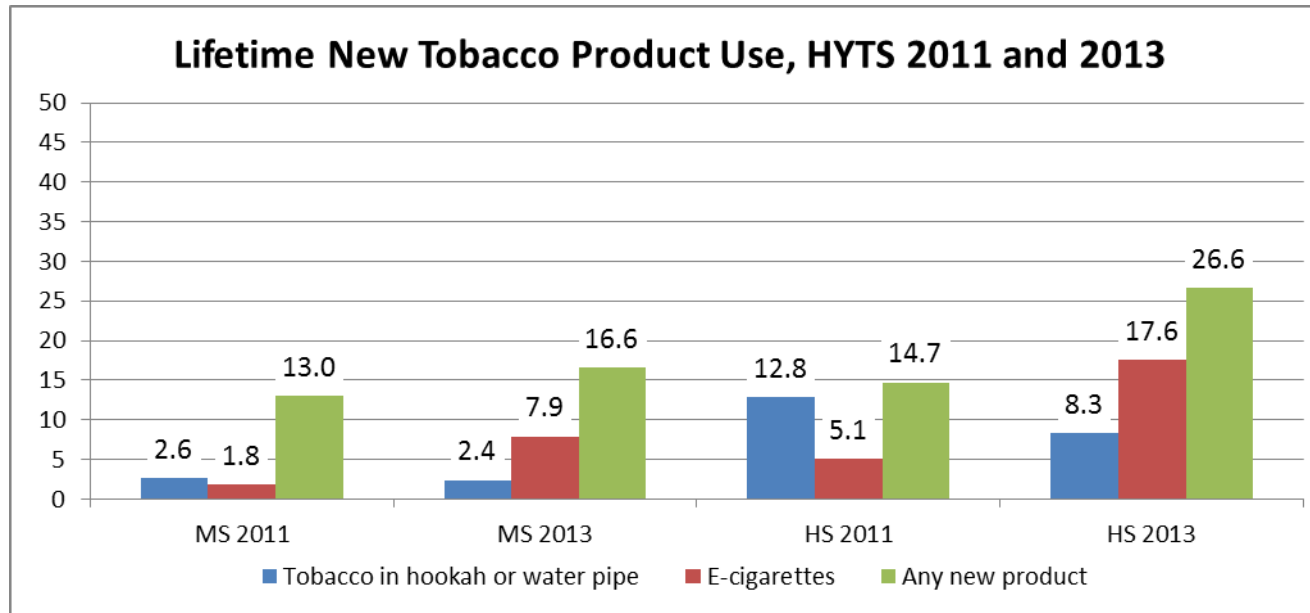
- ✓ Lifetime cigarette use (ever smoked even one or two puffs) has decreased by over half in high school students (HS) from 63.3% in 2000 to 29.9% in 2013, and in middle school students (MS) from 21.1% in 2003 to 15.1% in 2013.
- ✓ Current smoking (in the past 30 days) among HS students decreased by over 70% from 24.5% in 2000 to 6.7% in 2013. Frequent smoking (on 20 or more of the past 30 days) was reduced almost 80% from 10.3% in 2000 to 2.1% in 2013. Among MS students, current smoking declined from 5.3% in 2003 to 3.6% in 2013 and only 0.3% of MS students reported frequent smoking in 2013.



- ✓ Lifetime cigar smoking has decreased by almost 50% among HS students from 27.5% in 2000 to 14.0% in 2013 and by over 50% among MS students from 8.7% in 2003 to 4.0% in 2013.
- ✓ Lifetime smokeless tobacco use (chewing tobacco, snuff, or dip) among HS students has decreased by almost 40% from 10.4% in 2000 to 6.6% in 2013 and by over 50% among MS students from 8.0% to 3.7%.

Note: 2000 MS and 2003 HS data are not reportable due to insufficient participation.

- ▽ Lifetime use of tobacco in new, non-traditional forms has increased with tobacco in a hookah¹ or water pipe and electronic smoking devices or E-cigarettes being most prevalent. Lifetime E-cigarette use quadrupled among MS students from 1.8% in 2011 to 7.9% in 2013 and tripled among HS students during the same time period from 5.1% to 17.6%. In 2013, Hawaii students were about equally likely to have tried new tobacco products as traditional tobacco products.



- ▽ In all, 15.9% of HS and 12.6% of MS students have used at least one new tobacco product in the past 30 days; 5.5% of MS and 10.0% of HS students used E-cigarettes in the past 30 days.

Access

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

- ✓ Only 14.7% of HS and 8.1% of MS current smokers under 18 years of age bought their own cigarettes at a store in the past 30 days. However, 47.5% of HS and 31.6% of MS underage smokers report getting their cigarettes from social sources (borrowing or being given cigarettes by friends).

¹ Non-traditional tobacco products in the 2013 survey included, roll-your-own cigarettes, flavored cigarettes, clove cigars, flavored little cigars, smoking tobacco from a hookah or water pipe, snus, dissolvable tobacco products (sticks, orbs or strips), electronic cigarettes (E-cigarettes), and other tobacco products. A hookah is single or multi-stemmed, water pipe instrument use for smoking flavored tobacco.

- ▼ Sales from unregulated venues remain a concern as 48.5% of MS and 43.3% 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 23.4% of HS and 37.6% of MS current smokers under the age of 18 who tried to purchase cigarettes were refused sale because of their age in the past month.
- ▼ Additionally, 90.5% of HS and 74.6% of MS tobacco users under the age of 18 feel it would be easy to get tobacco products if they wanted them.

Schools and 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.

- ✓ Almost three-quarters of MS students but less than half of HS students report being taught about why they should not use tobacco products in at least one class during this school year (70.3% and 46.3%) respectively.
- ✓ Only 12.5% of HS students and 14.7% of MS students participated in a community event to discourage tobacco use in the past year, down from 17.6% among HS and 25.3% among MS students in 2011.

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.

- ✓ 65.6% of MS and 70.6% of HS current smokers have tried to quit in the past year.
- ▼ 34.6 % of MS and 36.3% of HS and smokers were unable to abstain from cigarettes for one month during their last attempt.
- ▼ Only 6.6% of MS tobacco users and 9.6% of HS attended a school or community program to help them quit in the past 12 months.

Perceptions, Beliefs and 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.

- ✓ Nine out of ten students agree that all tobacco products are dangerous (89.7% of MS and 87.5% of HS), and about two out of three believe that tobacco companies try to get young people to smoke (64.7% MS and 66.5% HS).
- ▽ Still 22.1% of MS and 30.8% of HS students think that smokers have more friends, and 9.1% of MS and 10.3% of HS students think smoking makes young people look cool or fit in.
- ▽ One in five MS and almost 2 in 5 HS report that one or more of their four best friends smoke cigarettes (19.7% and 37.7%, respectively).
- ▽ The proportion of never smokers who are susceptible to starting smoking has increased to 18.9% among MS and 15.1% among HS never smokers (up from 11.3% and 10.8%, respectively in 2009).

Adult Counsel on Smoking

Less than half of all students report that their parents have talked to them in the past 12 months about not using tobacco, and few students report having their smoking status assessed by a healthcare provider or being advised not to smoke.

- ▽ The proportion of students who recall their parents or guardians talking to them in the past 12 months about not using any type of tobacco product is 44.6% among MS and 33.3% among HS students.
- ▽ In the past 12 months, only 16.3% of MS and 35.3% of HS students reported being asked by a doctor, dentist, nurse or other health professional if they smoked cigarettes.
- ▽ 26.7% of MS and 30.3% HS students were advised by a health professional to not smoke in the past 12 months.

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 2013, 58.6% of MS and 66.3% of HS students saw or heard at least one anti-tobacco ad in the past month and the proportion who report daily exposure has decreased by over half from 38.5% in 2003 to 18.1% in 2013 among MS students and from 40.7% in 2000 to 17.9% in 2013 among HS students.

- ✓ 67.5% of MS and 74.6% of HS students report that they often see actors smoking on TV or in the movies, down from 76.8% in 2003 MS and 89.5% in 2000 HS.
- ▽ 12.7% of MS and 8.8% of HS students received ads directly from a tobacco company in the past 30 days through the mail, e-mail, the Internet, Facebook, Myspace or a text message. Furthermore, 7.9% of MS and 6.6% of HS students received coupons from a tobacco company via one of these mechanisms in the past 30 days.

Second hand smoke (SHS)

Almost all students think that second hand smoke (SHS) is harmful to them. Exposure to SHS in the past week has continued to decrease and more students report smoking is not allowed in their homes or cars.

- ✓ About 93% of MS and HS think that SHS is harmful to them
- ✓ Only 26.0% of HS and 22.2% of MS students reported being exposed to SHS in at home, down from 68.1% in 2000 and 40.0% in 2003, respectively.
- ✓ Only 23.8% of HS and 18.0% of MS students reported being exposed to SHS in a car in the past 7 days.
- ✓ SHS exposure at home or car in the past 7 days dropped from 43.8% in 2005 to 34.9% in 2013 among HS students and from 41.0% in 2007 to 28.5% in 2013 among MS students.
- ✓ The proportion of students who reported smoking was never allowed in their home increased from 76.4% in 2007 to 83.4% in 2013 among MS students and from 77.3% to 81.6% among 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 new tobacco products including E-cigarettes, tobacco in water pipes or hookah and roll-your-own cigarettes are increasing and need to be monitored. Awareness of anti-tobacco campaigns has decreased and about one in ten students report receiving advertising directly from tobacco companies.

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 2013 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 6th 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. Active 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 (100.00% of schools) and 1,980 of 2,946 eligible students participated (67.21% of students), yielding a survey response rate of 67.21% (100.00% x 67.21%). In the high school sampling frame, 26 of the 26 sampled schools participated (100% of schools) and 1,455 of 2,480 eligible students participated (60.42% of students), yielding a survey response rate of 60.42% (100% x 60.42%).

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. Table 1 provides detailed demographic information on the 2013 HYTS respondents.

This overview provides summary results from the middle school and high school surveys for 2013 and compares them with the results from the 2000, 2003, 2005, 2007, 2009 and 2011 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 complete data tables with results by year and gender, grade and Hawaii-specific race-ethnicity can be found on-line at the Hawaii Health Data Warehouse <http://www.hhdw.org/cms/index.php?page=yts-reports>.

Table 1. Participant demographics by school type by sex, race, ethnicity and grade, HYTS 2013

	Middle School		High School	
	n	Weighted %	n	Weighted %
Total	1,980	100.0	1,455	100.0
Sex				
Male	906	50.1	693	49.8
Female	1,064	49.9	757	50.2
Ethnicity*				
Native Hawaiian	304	17.1	212	17.2
Filipino	536	23.8	340	24.5
European Am/White	154	12.3	174	13.3
Japanese	187	8.3	151	8.7
Other Pacific Islander	104	8.8	91	6.6
Chinese	89	3.4	57	4.0
African Am/Black	52	2.4	49	2.2
Hispanic/Latino	49	2.0	39	1.5
Some Other Group	97	5.8	45	5.5
More than one group	309	16.0	234	16.1
Grade				
6th	441	21.7		
7th	789	40.7		
8th	748	37.6		
9th			507	28.8
10th			376	25.3
11th			316	23.2
12th			254	22.7

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..

Table 2. Prevalence of selected tobacco indicators among middle school students, Hawaii YTS 2000-2013							
Tobacco Indicator	2000 HI %	2003 HI %	2005 HI %	2007 HI %	2009 HI %	2011 HI %	2013 HI %
Prevalence							
Ever used tobacco (lifetime use):							
Cigarettes	nr	21.1	19.7	14.7	17.2	15.2	15.1
Cigar use	nr	8.8	9.8	7.7	6.5	5.3	4.0
Smokeless tobacco	nr	8.0	8.1	5.8	3.3	3.3	3.7
Pipes	---	---	---	---	---	---	4.7
<i>Bidis</i> (hand-rolled India cigarettes)	nr	4.2	4.1	4.1	1.6	2.2	1.0
<i>Kreteks</i> (clove cigarettes)	nr	2.5	2.2	2.5	1.5	1.6	0.8
Any of the above forms of tobacco	nr	29.6	28.0	21.3	19.8	17.3	17.3
Used tobacco in past month (current use):							
Cigarettes	nr	5.3	4.7	4.2	4.5	3.6	3.6
Cigar use	nr	2.1	1.7	2.5	1.8	2.5	1.2
Smokeless tobacco	nr	1.7	1.7	2.4	1.4	2.0	1.9
Pipes	nr	2.8	2.1	2.8	1.8	2.5	2.7
<i>Bidis</i> (hand-rolled India cigarettes)	nr	2.2	2.7	2.4	0.7	1.1	1.0
<i>Kreteks</i> (clove cigarettes)	---	---	---	---	---	---	0.8
Any of the above forms of tobacco	nr	8.4	7.6	7.6	6.8	5.4	6.2
Used tobacco \geq20 days in past month (frequent use):							
Cigarettes	nr	0.9	1.1	0.6	0.4	0.7	0.3
Cigar use	nr	0.3	0.2	0.4	0.1	0.5	0.2
Smokeless tobacco	nr	0.3	0.3	0.2	0.2	0.4	0.4
Pipes	nr	0.5	0.6	0.4	0.1	0.2	0.4
<i>Bidis</i> (hand-rolled India cigarettes)	nr	0.3	0.3	0.7	0.1	0.2	0.3
<i>Kreteks</i> (clove cigarettes)	---	---	---	---	---	---	0.3
Ever used new tobacco products (lifetime use):							
Roll your own cigarettes	---	---	---	---	---	--	3.5
Flavored cigarettes	---	---	---	---	---	--	2.0
Clove cigars	---	---	---	---	---	--	0.2
Flavored little cigars	---	---	---	---	---	--	0.9
E-cigarettes	---	---	---	---	---	1.9	7.9
Tobacco in hookah or water pipe	---	---	---	---	---	2.5	2.4
Orbs	---	---	---	---	---	0.4	0
Sticks	---	---	---	---	---	0.6	0
Strips	---	---	---	---	---	0.5	0
Snus	---	---	---	---	---	0.9	0.6
Other new product not listed	---	---	---	---	---	--	2.2
Any of the above new products	---	---	---	---	---	8.2	16.6
Used new tobacco in past month (current use):							
Roll your own cigarettes	---	---	---	---	---	---	2.3
Flavored cigarettes	---	---	---	---	---	---	0.8
Clove cigars	---	---	---	---	---	---	0.1
Flavored little cigars	---	---	---	---	---	---	0.5
E-cigarettes	---	---	---	---	---	---	5.5
Tobacco in hookah or water pipe	---	---	---	---	---	---	1.4
Dissolvables (Orbs, sticks or strips)	---	---	---	---	---	---	0.1
Snus	---	---	---	---	---	---	0.3
Other new product not listed	---	---	---	---	---	---	1.1
Any of the above new products	---	---	---	---	---	---	12.6

Table 2. Prevalence of selected tobacco indicators among middle school students, Hawaii YTS 2000-2013							
Tobacco Indicator	2000 HI %	2003 HI %	2005 HI %	2007 HI %	2009 HI %	2011 HI %	2013 HI %
Cigarette smoking severity							
Smoke \geq 6 cigarettes/day (current smokers)	nr	10.8	20.3	9.8	11.3	18.1	6.0
Smoked \geq 100 cigarettes (ever smokers)	nr	4.4	8.5	5.2	5.0	5.1	3.2
Current cigarette use by sex							
Male	nr	4.8	4.6	4.2	3.6	3.5	3.7
Female	nr	5.9	4.8	4.3	5.4	3.8	3.2
Age of initiation							
Smoked a whole cigarette before age 11	nr	6.5	4.8	5.3	3.8	3.5	--
First tried cigarettes before age 11							5.0
Cigarette preferences (current smokers)							
Usual brand of cigarettes:							
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	--
Usual brand of cigarettes during past 30 days:							
No usual brand	--	--	--	--	--	--	10.7
Marlboro	--	--	--	--	--	--	22.9
Newport	--	--	--	--	--	--	3.1
Kool	--	--	--	--	--	--	21.3
Camel	--	--	--	--	--	--	20.2
Lucky Strike	--	--	--	--	--	--	1.3
American Spirit	--	--	--	--	--	--	1.1
Virginia Slims, Parliament, GPC, Basic, Doral etc.)	--	--	--	--	--	--	0.0
Some other brand	--	--	--	--	--	--	19.4
Usually smoke menthol cigarettes	nr	61.4	78.2	70.3	70.0	64.7	49.8
Access (current smokers)							
Usual source of cigarettes for current smokers under 18 years of age: (single response)							
Store purchase	nr	3.2	6.1	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	20.5	14.6	21.0	21.8	--
Borrowed them from someone	nr	22.6	23.4	18.4	27.0	19.0	--
Given by someone \geq 18 years	nr	11.9	6.0	6.7	8.7	12.5	--
Took them from a store/family member	nr	19.2	19.0	14.7	20.2	11.7	--
Some other way	nr	25.1	25.0	33.9	21.9	32.6	--
Source(s) of cigarettes for current smokers under 18 years of age: (multiple responses)							
Bought them myself	--	--	--	--	--	--	8.1
Had someone buy them for me	--	--	--	--	--	--	20.3
Borrowed or bummed them	--	--	--	--	--	--	19.8
Someone gave them to me w/out my asking	--	--	--	--	--	--	11.8
Took from a person or store	--	--	--	--	--	--	14.6
Some other way	--	--	--	--	--	--	31.6

**Data not reportable due to small cell size
 --- Question not asked during that survey year

nr—data not reportable, insufficient participation

Table 2. Prevalence of selected tobacco indicators among middle school students, Hawaii YTS 2000-2013							
Tobacco Indicator	2000 HI %	2003 HI %	2005 HI %	2007 HI %	2009 HI %	2011 HI %	2013 HI %
Usual quantity of cigarette purchase among purchasers:							
Individually (loose)	---	---	28.2	32.6	33.3	33.9	---
By the pack	---	---	57.7	55.1	58.0	56.5	---
By the carton	---	---	14.1	12.2	8.7	9.6	---
Cigarette purchases by smokers under 18 years of age:							
Place of most recent purchase:							<i>Multiple responses</i>
Gas station	nr	11.5	17.9	29.6	25.4	**	24.9
Convenience store	nr	11.0	19.4	11.5	7.5	**	12.3
Grocery store	nr	6.7	9.0	3.1	3.1	**	4.2
Drugstore	nr	8.8	7.5	7.6	4.8	**	20.7
Vending machine	nr	4.4	0	8.6	0.0	0.0	2.7
Internet	nr	1.2	1.5	7.0	0.0	0.0	0.0
Through the mail							3.1
Other	nr	56.4	44.8	42.5	59.2	77.6	48.5
Purchased from a lunch wagon or <i>manapua</i> truck in the past 30 days	---	---	10.8	10.0	9.3	9.2	---
Refused sale in past month (under 18 years)	nr	29.6	28.6	31.5	32.2	30.0	37.6
Access all students							
Know where to buy loose cigarettes	---	---	29.8	27.5	23.9	22.9	---
Feel it would be easy to get tobacco products if they wanted them	---	---	---	---	---	---	33.2
School-all students							
Smoked cigarettes at school in past month	nr	2.5	2.8	2.7	1.7	1.7	--
Used smokeless tobacco at school in past month	nr	---	---	2.0	1.3	1.3	---
Were taught, this school year, in class about:							
Not using tobacco products							73.0
Danger of tobacco use	nr	55.6	71.9	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	14.0	24.7	20.5	25.3	14.7
Cessation (current smokers)							
Want to stop smoking	nr	62.6	54.3	59.7	66.0	46.0	39.7
Tried to quit in past year	nr	63.1	63.6	75.2	82.5	76.9	65.6
Last quit attempt lasted less than 30 days	nr	37.3	39.2	47.1	39.9	51.7	34.6
Participated in a program to help them quit:							
Ever used tobacco	nr	19.0	22.7	21.3	21.9	23.8	--
Current tobacco users	nr	21.3	24.1	24.0	25.3	32.2	--
Intention to start cigarette smoking (among never smokers)							
Will try a cigarette soon	nr	4.2	4.3	4.6	3.9	2.3	1.8
May smoke in the next year	---	11.8	12.9	6.5	11.3	9.0	11.8
Might smoke if offered by a friend	---	11.3	14.2	7.4	12.9	10.4	14.1
Susceptible to starting smoking	nr	19.7	22.7	17.5	11.3	14.6	18.9

**Data not reportable due to small cell size
 --- Question not asked during that survey year

nr—data not reportable, insufficient participation

Table 2. Prevalence of selected tobacco indicators among middle school students, Hawaii YTS 2000-2013							
Tobacco Indicator	2000 HI %	2003 HI %	2005 HI %	2007 HI %	2009 HI %	2011 HI %	2013 HI %
Smoking Beliefs (all students)							
Percent who agree with the following:							
Smokers have more friends	nr	26.0	25.0	22.3	25.3	26.5	22.1
Smoking makes young people look cool/fit in	nr	14.1	13.3	11.3	9.5	9.5	9.1
Tobacco companies try to get young people to smoke	---	---	---	---	---	---	64.7
All tobacco products are dangerous	---	---	---	---	---	---	89.7
Overestimate the number of smokers in their grade level	---	49.3	69.3	62.3	66.7	86.1	--
Social Influences (all students)							
One or more best friends smoke cigarettes:							
All students	nr	24.8	21.8	13.6	21.9	20.4	19.7
Never smokers	nr	17.0	14.3	9.5	23.6	14.2	14.8
Current smokers	nr	74.1	78.1	74.9	83.9	78.0	74.4
Lives with someone who smokes cigarettes:							
All students	nr	45.6	42.9	47.3	---	---	32.4
Never smokers	nr	41.2	38.9	45.2	---	---	29.8
Current smokers	nr	67.3	71.7	60.5	---	---	47.0
Adult Counsel on Smoking							
Parents discussed smoking with them in past year (all students)	nr	74.2	75.8	66.0	66.1	66.9	--
Parents discussed not using any type of tobacco product in past year	--	--	--	--	--	--	44.6
Health professional (doctor, dentist, nurse) asked if they used tobacco, past 12 months	----	----	---	15.7	14.5	13.2	16.3
Health professional (doctor, dentist, nurse) advised them not to use tobacco	----	----	---	29.2	30.0	28.1	26.7
Mass Media							
Antismoking commercial/ad exposure:							
At least once in the past month	nr	71.8	63.6	65.0	58.3	62.4	58.6
Daily/almost daily during the past month	nr	38.5	30.3	23.3	19.9	21.8	18.1
Often see actors smoking in movies or TV	nr	76.8	76.9	74.3	75.6	70.8	67.5
Often see tobacco product ads on the Internet	nr	31.7	35.6	74.3	75.6	---	43.1
Often see tobacco product ads in newspapers or magazines	--	--	--	--	--	--	42.6
See tobacco products/gear ads at local stores or gas stations	nr	75.7	78.2	71.3	77.2	71.6	67.0
Saw tobacco product ads outside stores	--	--	--	--	--	--	58.3
Received merchandise with tobacco logo in past year	--	--	--	--	--	--	8.3
Would wear apparel with tobacco logos	nr	16.3	15.8	13.5	12.8	13.8	10.7
Secondhand Smoke (SHS)							

**Data not reportable due to small cell size
 --- Question not asked during that survey year

nr—data not reportable, insufficient participation

Table 2. Prevalence of selected tobacco indicators among middle school students, Hawaii YTS 2000-2013							
Tobacco Indicator	2000 HI %	2003 HI %	2005 HI %	2007 HI %	2009 HI %	2011 HI %	2013 HI %
Think SHS is harmful (all students)	nr	86.5	88.4	87.5	88.3	86.9	92.8
Exposed to SHS in a room in the past week:	nr	40.0	39.2	38.0	38.1	34.6	--
Exposed to SHS in a car in the past week:	nr	33.0	30.2	28.0	28.4	25.7	18.0
Exposed to SHS in a room or in a car in the past week	nr	48.9	48.4	46.5	44.5	40.7	--
Exposed to SHS at home in the past week	---	---	24.8	24.3	--	--	22.2
Exposed Daily	---	---	12.8	10.6	--	--	10.9
Exposed to SHS in the home or in a car in the past week	---	---	38.2	41.0	--	--	28.5
Exposed to SHS in school in the past week	---	---	---	---	--	---	22.8
Any SHS exposure in a public place in past week	---	---	---	---	---	---	37.2
Smoking rules inside the home:							
Not allowed anywhere	---	---	---	76.4	78.9	82.0	83.4
Allowed some places or some times	---	---	---	18.7	15.9	12.8	10.2
Allowed anywhere	---	---	---	5.0	5.1	5.2	6.4
Smoking rules inside the car:							
Not allowed inside vehicle	---	---	---	---	76.3	78.6	80.5
Sometimes allowed in vehicle	---	---	---	---	17.4	14.3	12.9
Always allowed in vehicle	---	---	---	---	6.3	7.1	6.6
Believe that smoking should never be allowed inside the home	---	---	---	---	---	---	88.5
Believe that smoking should never be allowed inside the car	---	---	---	---	---	---	90.4
SHS at work and in public places							
Percent of students who work				9.3	8.7	8.5	7.8
In indoor areas where people work, employers should...							
Never allow smoking	---	---	---	89.7	88.4	87.2	---
Allow smoking some times/places	---	---	---	8.9	10.2	11.5	---
Always allow smoking	---	---	---	1.4	1.4	1.4	---
Among students who work							
Which of these best describes smoking where you work?							
Never allowed where I work	---	---	---	73.6	71.2	60.0	---
Allowed but only at some times or in some places	---	---	---	19.1	20.1	27.8	---
Always allowed where I work	---	---	---	7.3	8.7	12.2	---
Exposed to SHS at work in past 7 days	---	---	---	14.6	21.5	29.1	39.3
In indoor public places (malls, movie theaters, clubs, or restaurants), Smoking should...							
Never be allowed	---	---	---	88.0	88.3	90.9	---
Be allowed in some areas or times	---	---	---	10.3	9.8	7.8	---
Always be allowed	---	---	---	1.7	1.9	1.3	---

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 --- Question not asked during that survey year

nr—data not reportable, insufficient participation

Table 3. Prevalence of selected tobacco indicators among high school students, Hawaii YTS 2000-2013

Tobacco Indicator	2000 HI %	2003 HI %	2005 HI %	2007 HI %	2009 HI %	2011 HI %	2013 HI %
Prevalence							
Ever used tobacco (lifetime use):							
Cigarettes	63.3	nr	43.5	38.3	36.9	30.2	29.9
Cigar use	27.5	nr	20.4	17.1	19.0	13.2	14.0
Smokeless tobacco	10.4	nr	10.1	8.2	6.5	4.9	6.6
Pipes	---	---	---	---	---	---	10.0
<i>Bidis</i> (hand-rolled India cigarettes)	13.2	nr	5.4	5.0	2.8	1.9	2.4
<i>Kreteks</i> (clove cigarettes)	11.0	nr	4.1	3.7	2.9	1.9	2.2
Any of the above forms of tobacco	67.6	nr	49.8	43.7	40.8	33.5	33.8
Used tobacco in past month (current use):							
Cigarettes	24.5	nr	12.6	9.7	11.3	8.7	6.7
Cigar use	4.9	nr	3.4	5.7	6.6	4.5	4.4
Smokeless tobacco	3.4	nr	2.1	3.7	3.2	1.6	2.4
Pipes	3.7	nr	2.8	3.9	2.4	2.1	5.1
<i>Bidis</i> (hand-rolled India cigarettes)	5.2	nr	2.3	3.3	1.6	0.8	1.6
<i>Kreteks</i> (clove cigarettes)	---	---	---	---	---	---	1.8
Any of the above forms of tobacco	27.1	nr	15.4	14.2	15.6	11.8	11.8
Used tobacco >20 days in past month (frequent use):							
Cigarettes	10.3	nr	3.9	3.0	3.8	2.9	2.1
Cigar use	0.8	nr	0.4	0.7	0.8	0.1	0.5
Smokeless tobacco	0.8	nr	0.5	1.0	1.3	0.5	0.7
Pipes	0.6	nr	0.7	0.5	1.0	0.4	1.2
<i>Bidis</i> (hand-rolled India cigarettes)	0.8	nr	0.4	0.4	0.7	0.2	0.5
<i>Kreteks</i> (clove cigarettes)	---	---	---	---	---	---	0.6
Betel nut use with tobacco	---	---	---	---	0.7	0.6	---
Ever used new tobacco products (lifetime use):							
Roll your own cigarettes	---	---	---	---	---	--	6.2
Flavored cigarettes	---	---	---	---	---	--	8.6
Clove cigars	---	---	---	---	---	--	1.4
Flavored little cigars	---	---	---	---	---	--	4.4
E-cigarettes	---	---	---	---	---	5.0	17.6
Tobacco in hookah or water pipe	---	---	---	---	---	12.5	8.3
Orbs	---	---	---	---	---	0.4	0.9
Sticks	---	---	---	---	---	0.7	0.9
Strips	---	---	---	---	---	0.2	0.9
Snus	---	---	---	---	---	1.1	2.9
Other new product not listed	---	---	---	---	---	--	3.6
Any of the above new products	---	---	---	---	---	16.4	26.6
Used new tobacco in past month (current use):							
Roll your own cigarettes	---	---	---	---	---	---	3.5
Flavored cigarettes	---	---	---	---	---	---	1.9
Clove cigars	---	---	---	---	---	---	0.6
Flavored little cigars	---	---	---	---	---	---	1.3
E-cigarettes	---	---	---	---	---	---	10.0
Tobacco in hookah or water pipe	---	---	---	---	---	---	3.3
Dissolvables (Orbs, sticks or strips)	---	---	---	---	---	---	0.5
Snus	---	---	---	---	---	---	0.8
Other new product not listed	---	---	---	---	---	---	1.1
Any of the above new products	---	---	---	---	---	---	15.9

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Table 3. Prevalence of selected tobacco indicators among high school students, Hawaii YTS 2000-2013

Tobacco Indicator	2000 HI %	2003 HI %	2005 HI %	2007 HI %	2009 HI %	2011 HI %	2013 HI %
Cigarette smoking severity							
Smoke \geq 6 cigarettes/day (current smokers)	25.1	nr	20.8	21.0	25.4	12.8	28.7
Smoked \geq 100 cigarettes (ever smokers)	27.1	nr	15.8	12.9	18.2	14.4	15.0
Current cigarette use by sex							
Male	23.3	nr	10.9	9.5	10.	8.0	7.4
Female	25.5	nr	14.2	9.8	11.9	9.6	5.9
Age of initiation							
Smoked a whole cigarette before age 11	8.3	nr	6.6	5.8	5.2	3.2	--
First tried cigarettes before age 11	---	---	---	---	---	---	5.6
Cigarette preferences (current smokers)							
Usual brand of cigarettes:							
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	--
Usual brand of cigarettes during past 30 days:							
No usual brand	---	---	---	---	---	---	8.6
Marlboro	---	---	---	---	---	---	28.7
Newport	---	---	---	---	---	---	6.5
Kool	---	---	---	---	---	---	18.6
Camel	---	---	---	---	---	---	12.2
Lucky Strike	---	---	---	---	---	---	0.2
American Spirit	---	---	---	---	---	---	6.1
Virginia Slims, Parliament, GPC, Basic, Doral etc.)	---	---	---	---	---	---	0.0
Some other brand	---	---	---	---	---	---	19.1
Usually smoke menthol cigarettes	76.1	nr	71.0	72.4	78.4	78.4	66.4
Access (current smokers)							
Usual source of cigarettes for current smokers under 18 years of age: (single response)							
Store purchase	25.9	nr	10.1	7.1	5.7	10.3	---
Vending machines	3.2	nr	1.4	1.0	3.0	0.0	---
Gave someone money to buy them	25.4	nr	26.7	35.1	29.1	21.8	---
Borrowed them from someone	22.2	nr	28.3	25.7	28.5	32.0	---
Given by someone \geq 18 years	9.7	nr	11.2	8.2	17.0	17.2	---
Took them from a store/family member	2.6	nr	9.2	4.4	4.9	5.1	---
Some other way	10.8	nr	13.2	18.5	11.7	13.6	---
Source(s) of cigarettes for current smokers under 18 years of age: (multiple responses)							
Bought them myself	---	---	---	---	---	---	14.7
Had someone buy them for me	---	---	---	---	---	---	30.8
Borrowed or bummed them	---	---	---	---	---	---	35.8
Someone gave them to me w/out my asking	---	---	---	---	---	---	11.7
Took from a person or store	---	---	---	---	---	---	2.1
Some other way	---	---	---	---	---	---	10.8

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Table 3. Prevalence of selected tobacco indicators among high school students, Hawaii YTS 2000-2013							
Tobacco Indicator	2000 HI %	2003 HI %	2005 HI %	2007 HI %	2009 HI %	2011 HI %	2013 HI %
Usual quantity of cigarette purchase among purchasers:							
Individually (loose)	---	---	15.2	11.3	15.8	15.0	---
By the pack	---	---	71.0	82.0	75.7	77.9	---
By the carton	---	---	13.8	6.6	8.5	7.1	---
Cigarette purchases by smokers under 18 years of age:							
Place of most recent purchase:	<i>Single response only</i>						<i>Multiple responses</i>
Gas station	25.5	nr	28.2	25.2	25.7	23.0	23.3
Convenience store	29.6	nr	19.4	15.1	16.7	27.8	9.6
Grocery store	14.1	nr	13.7	12.1	11.7	**	2.4
Drugstore	4.4	nr	4.8	9.7	6.4	**	13.4
Vending machine	1.5	nr	0.8	0.8	7.0	0.0	7.4
Internet	0.7	nr	1.6	2.7	0.8	**	3.3
Through the mail							0.3
Other	24.1	nr	31.5	34.3	31.8	35.5	43.3
Purchased from a lunch wagon or <i>manapua</i> truck in the past 30 days	---	---	12.6	13.8	11.1	7.0	---
Refused sale in past month (under 18 years)	43.3	nr	30.8	33.4	21.9	33.5	23.4
Access all students							
Know where to buy loose cigarettes	---	---	24.4	29.7	24.4	22.0	---
Feel it would be easy to get tobacco products if they wanted them	---	---	---	---	---	---	64.5
School-all students							
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	---
Were taught, this school year, in class about:							
Not using tobacco products							46.3
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	20.6	14.1	17.6	12.5
Cessation (current smokers)							
Want to stop smoking	71.8	nr	66.9	51.5	60.5	60.6	52.9
Tried to quit in past year	71.0	nr	69.0	64.2	66.8	61.9	70.6
Last quit attempt lasted less than 30 days	45.1	nr	36.1	50.2	43.4	41.0	36.3
Participated in a program to help them quit:							
Ever used tobacco	9.9	nr	14.2	8.9	11.7	13.0	--
Current tobacco users	13.6	nr	20.5	13.0	14.4	16.6	--
Intention to start cigarette smoking (among never smokers)							
Will try a cigarette soon	3.3	nr	4.5	5.4	3.5	1.0	1.0
May smoke in the next year	---	nr	14.3	13.6	13.5	9.6	11.6
Might smoke if offered by a friend	---	nr	14.9	13.6	12.4	9.5	12.2
Susceptible to starting smoking (never smokers)	22.9	nr	22.3	12.3	10.8	12.7	15.1

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Table 3. Prevalence of selected tobacco indicators among high school students, Hawaii YTS 2000-2013

Tobacco Indicator	2000 HI %	2003 HI %	2005 HI %	2007 HI %	2009 HI %	2011 HI %	2013 HI %
Smoking Beliefs (all students)							
Percent who agree with the following:							
Smokers have more friends	27.1	nr	33.4	27.8	34.1	30.5	30.8
Smoking makes young people look cool/fit in	14.6	nr	15.1	12.9	11.4	8.6	10.3
Tobacco companies try to get young people to smoke	---	---	--	---	---	--	66.5
All tobacco products are dangerous	---	---	--	---	---	--	87.5
Overestimate the number of smokers in their grade level	---	49.3	69.3	62.3	66.7	86.1	--
Social Influences (all students)							
One or more best friends smoke cigarettes:							
All students	53.1	nr	39.4	39.3	35.1	35.6	37.7
Never smokers	33.5	nr	27.3	28.1	33.4	24.9	26.3
Current smokers	77.8	nr	80.3	86.3	86.0	80.5	88.9
Lives with someone who smokes cigarettes:							
All students	45.3	nr	43.3	40.8	---	---	36.2
Never smokers	38.4	nr	37.1	35.4	---	---	31.5
Current smokers	54.2	nr	52.6	54.7	---	---	45.7
Adult Counsel on Smoking							
Parents discussed smoking with them in past year (all students)	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
Health professional (doctor, dentist, nurse) asked if they smoke, past 12 months	----	---	---	31.5	30.7	31.7	35.3
Health professional (doctor, dentist, nurse) advised them not to smoke	---	---	---	28.3	30.0	28.4	30.3
Mass Media							
Antismoking commercial/ad exposure:							
At least once in the past month	78.7	nr	75.3	78.2	70.6	70.8	66.3
Daily/almost daily during the past month	40.7	nr	31.6	30.3	25.8	23.6	17.9
Often see actors smoking in movies or TV	89.5	nr	87.1	82.8	81.2	78.3	74.6
Often see tobacco product ads on the Internet	21.6	nr	36.7	82.8	78.8	---	48.8
Often see tobacco product ads in newspapers or magazines	---	---	---	---	---	---	47.5
See tobacco products/gear ads at local stores or gas stations	82.4	nr	83.0	82.6	82.8	75.3	75.7
Saw tobacco product ads outside stores	---	---	---	---	---	---	67.2
Bought or received merchandise with tobacco logo in past year	---	---	---	---	---	---	7.7
Would wear apparel with tobacco logos	nr	16.3	15.8	13.5	12.8	13.8	12.9
Secondhand Smoke (SHS)							
Think SHS is harmful (all students)	91.7	nr	93.8	93.3	90.5	91.3	92.9
Exposed to SHS in a room in the past	68.1	nr	56.4	52.5	53.4	44.4	--

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Table 3. Prevalence of selected tobacco indicators among high school students, Hawaii YTS 2000-2013

Tobacco Indicator	2000 HI %	2003 HI %	2005 HI %	2007 HI %	2009 HI %	2011 HI %	2013 HI %
week:							
Exposed to SHS in a car in the past week:	49.4	nr	34.8	32.2	36.3	27.4	23.8
Exposed to SHS in a room or in a car in the past week	73.6	nr	61.5	58.3	58.4	49.3	--
Exposed to SHS at home in the past week	---	---	28.3	23.4	--	--	26.0
Exposed Daily	---	---	14.4	11.9	--	--	14.5
Exposed to SHS in the home or in a car in the past week	---	---	43.8	43.1	---	--	34.9
Exposed to SHS in school in the past week	----	----	---	----	----	----	42.3
Any SHS exposure in a public place in past week	----	----	---	----	----	----	48.8
Smoking rules inside the home:							
Not allowed anywhere	---	---	---	77.3	70.8	82.7	81.6
Allowed some places or some times	---	---	---	14.9	16.8	12.2	11.0
Allowed anywhere	---	---	--	7.8	12.4	5.1	7.5
Smoking rules inside the car:							
Not allowed inside vehicle	---	---	---	---	72.3	78.6	77.3
Sometimes allowed in vehicle	---	---	---	---	16.0	13.7	14.5
Always allowed in vehicle	---	---	---	---	11.7	7.7	8.2
Believe that smoking should never be allowed inside the home	---	---	---	---	---	---	85.6
Believe that smoking should never be allowed inside the car	---	---	---	---	---	---	85.8
SHS at work and in public places							
Percent of students who work				24.8	24.5	19.7	18.8
In indoor areas where people work, employers should...							
Never allow smoking	---	---	---	85.7	84.7	85.4	---
Allow smoking some times/places	---	---	---	11.8	13.3	13.6	---
Always allow smoking	---	---	---	2.4	2.0	1.0	---
Among students who work							
Which of these best describes smoking where you work?							
Never allowed where I work	---	---	---	57.1	53.5	57.6	---
Allowed but only at some times or in some places	---	---	---	34.7	36.9	32.4	---
Always allowed where I work	---	---	---	8.2	9.6	10.0	---
Exposed to SHS at work in past 7 days	---	---	---	25.9	30.5	30.2	42.1
In indoor public places (malls, movie theaters, clubs, or restaurants), Smoking should...							
Never be allowed	---	---	---	86.4	87.0	87.4	---
Be allowed in some areas or times	---	---	---	11.6	10.8	11.2	---
Always be allowed	---	---	---	2.0	2.2	1.4	---

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New Questions for 2013

	Middle School %	High School %
Cessation		
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 permitted) among those who used tobacco		
Did not try to quit	26.9	25.4
Attended a program at school	5.1	6.3
Attended a program in the community	1.5	3.3
Called a telephone help or quit line	0.2	0.8
Used nicotine gum	1.9	5.2
Used nicotine patch	0.5	0.8
Used any medicine to help quit	0.0	0.0
Visited an Internet quit sites	0.0	1.9
Got help from family or friends	4.2	6.8
Used another method i.e. hypnosis or acupuncture	0.0	0.7
Tried to quit on my own or "cold turkey"	19.2	37.4
Plan to stop smoking (among current smokers)		
In the next 7 days	7.2	8.2
In the next 30 days	10.9	6.7
In the next 6 months	7.7	11.3
In the next year	15.6	22.2
Do not plan to stop smoking cigarettes in the next year	58.6	51.7
Seriously thinking about quitting all tobacco (among tobacco users)		
Yes, in the next 30 days	41.8	32.4
Yes, within the next 6 months	8.3	13.1
Yes, after six months	9.9	12.5
No thinking about quitting the use of all tobacco	40.0	41.9
Direct Marketing		
Received coupons from tobacco companies in the past 30 days	7.9	6.6
Received ads from tobacco companies in the past 30 days	12.7	8.8

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