

# Iowa 2005 Tobacco Control Progress Report

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For  
Iowa Department of Public Health  
Division of Tobacco Use Prevention and Control  
*TUPC Mission Statement*

*To establish a comprehensive partnership among state government, local communities, and the people of Iowa to foster a social and legal climate in which tobacco use becomes undesirable and unacceptable.*

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Draft 12-16-05

## **PART 1 PURPOSE & METHODOLOGY**

The Center for Social and Behavioral Research was contracted by the Iowa Department of Public Health to evaluate Iowa's Tobacco Use Prevention and Control Program (TUPCP) based on existing data. Following Centers for Disease Control Guidelines, the TUPCP has established four key goals: (1) prevent the initiation and establishment of tobacco use in nonsmokers, especially among children and young people, (2) reduce the number of users of tobacco products, (3) eliminate exposure to second-hand tobacco smoke, and (4) identify and eliminate the disparities related to tobacco use and its effects among different population groups.

The 2005 evaluation summarizes data from nearly 30 sources from 1998 to 2004 (see Appendix A for the list). The survey data about adults comes from most notably the Adult Tobacco Survey (ATS), the Behavioral Risk Factors Surveillance System (BRFSS), and the Adult Household Survey (AHS). The two primary surveys about youth are the Iowa Youth Tobacco Survey (IYTS) and the Iowa Youth Survey (IYS). These surveys often have varied in their sampling designs, data collection methodologies, specific item-wording in the questionnaires, population groups, and sample sizes. Because the methodologies and questions asked differ among many of the surveys, their findings cannot always be directly compared.

The goal for the evaluation was to report only those details of the original items necessary to facilitate interpretations across the years and among the sources. Therefore, readers are encouraged to consult the primary reports and public data sets (when available) for these data sources whenever there is an interest in examining more specific details than are reported here. The primary sources also should be consulted when citing percentages or mean scores and when the authoritative source is needed for publication or dissemination. The scope of the present document is limited to providing a systemic summary of key survey results and non-survey data rather than attempting to provide an exhaustive summary of already published or archived results.

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## PART 2 FINDINGS FROM SURVEYS OF ADULT IOWANS

### Overview of Key Behavioral Indicators (Adults)

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**Ever Smoked Cigarettes.** From 1998 through 2003, the percentage of adult Iowans who have smoked at least 100 cigarettes during their lifetime remained stable at approximately 46% to 48% (BRFSS). However, in 2004, the percentage of adult Iowans who have smoked at least 100 cigarettes during their lifetime according to the results of the BRFSS had dropped to 42%.

**Current Cigarette Use:** Since 1997, the percentage of adult Iowans who are current cigarette users has remained stable at about 22% to 23% (BRFSS). In 2004, the prevalence of current cigarette use was 21% (BRFSS), perhaps indicating a trend of declining use.

**Cigarette Initiation.** According to the 2004 ATS, 23% of adult Iowans started smoking cigarettes when they were age 17 or younger, and 20% started smoking cigarettes as adults (18 or older).

**Cigarette Cessation Attempts.** Among current smokers, 49% had successfully quit for a day or more during the past 12 months based on the 2004 BRFSS. There were many more, however, who would like to quit but were unable to do so as evidenced by the 2004 ATS finding that 82% of current smokers would like to quit smoking.

**Smokeless Tobacco Use.** Chewing tobacco or snuff was used by 20% of adult Iowans at least once in their lifetime and by 3% with the past 30 days (ATS 2004).

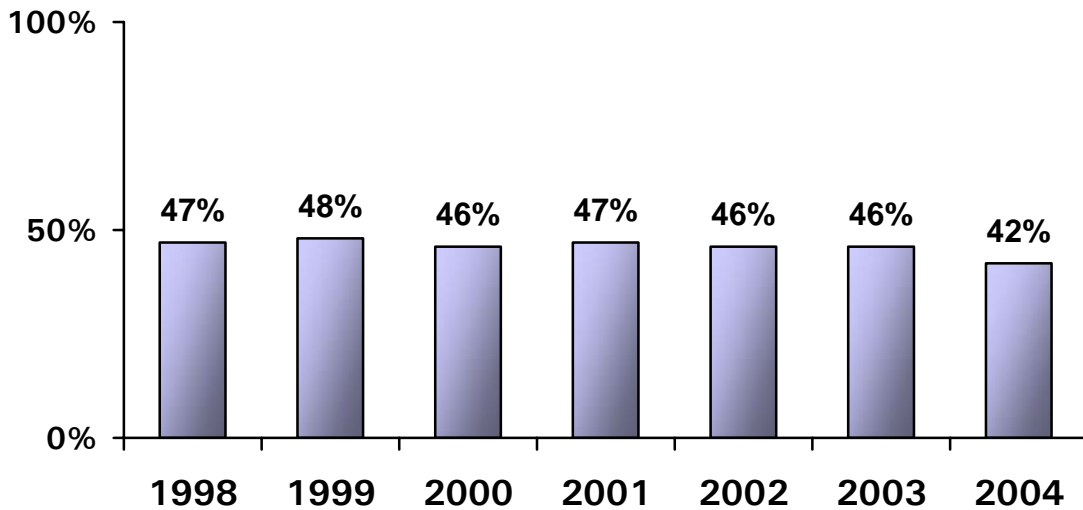
**Cigar Use.** Approximately 47% of adults have smoked a cigar, and 5% of adults currently smoke cigars some days or every day (ATS 2004).

**Pipe Tobacco Use.** Approximately 22% of adults have smoked tobacco in a pipe, and 1% of adults currently smoke a pipe some days or every day (ATS 2004).



## Ever Smoked Cigarettes

*From 1998 through 2003, the percentage of adult Iowans who have smoked at least 100 cigarettes during their lifetime had remained stable at approximately 46% to 48%. However, the percent showed a decline to 42% in 2004.*



**Figure 1. Prevalence Ever Smoked 100+ Cigarettes (BRFSS).**

### Additional Data Sources *Ever Smoked Cigarettes*

<u>Year</u>	<u>Estimate</u>	<u>Source</u>	<u>Note</u>
2002	45%	AHS	At Least 100 Cigarettes
2002	49%	ATS	At Least 100 Cigarettes
2004	44%	ATS	At Least 100 Cigarettes

## Current Cigarette Use

*Since 2000, the percentage of adult Iowans who are current cigarette users has remained stable at about 22% to 23%. In 2004, the prevalence of current cigarette use was 21%, perhaps indicating a trend of declining use .*

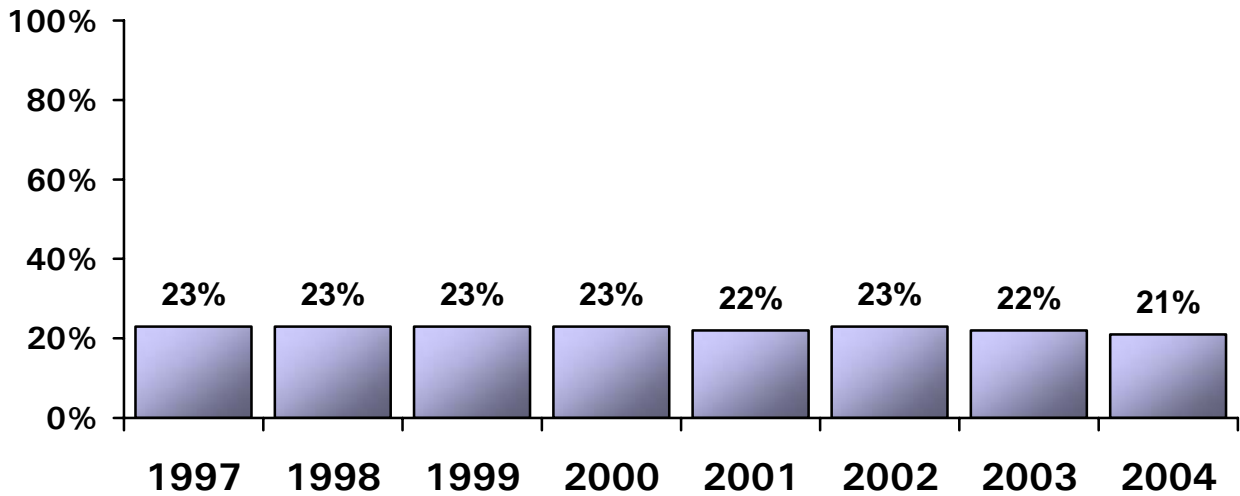


Figure 2. Prevalence of Current Cigarette Use (BRFSS).

<b>Additional Data Sources</b>			
<i>Adult Current Cigarette Use</i>			
<u>Year</u>	<u>Estimate</u>	<u>Source</u>	<u>Note</u>
2001	23%	ATS	Smoked in Past 30 Days
2002	22%	AHS	Smoked in Past 30 Days
2002	24%	ATS	Smoked in Past 30 Days
2004	20%	ATS	Smoked in Past 30 Days

## Iowa Versus National Rates

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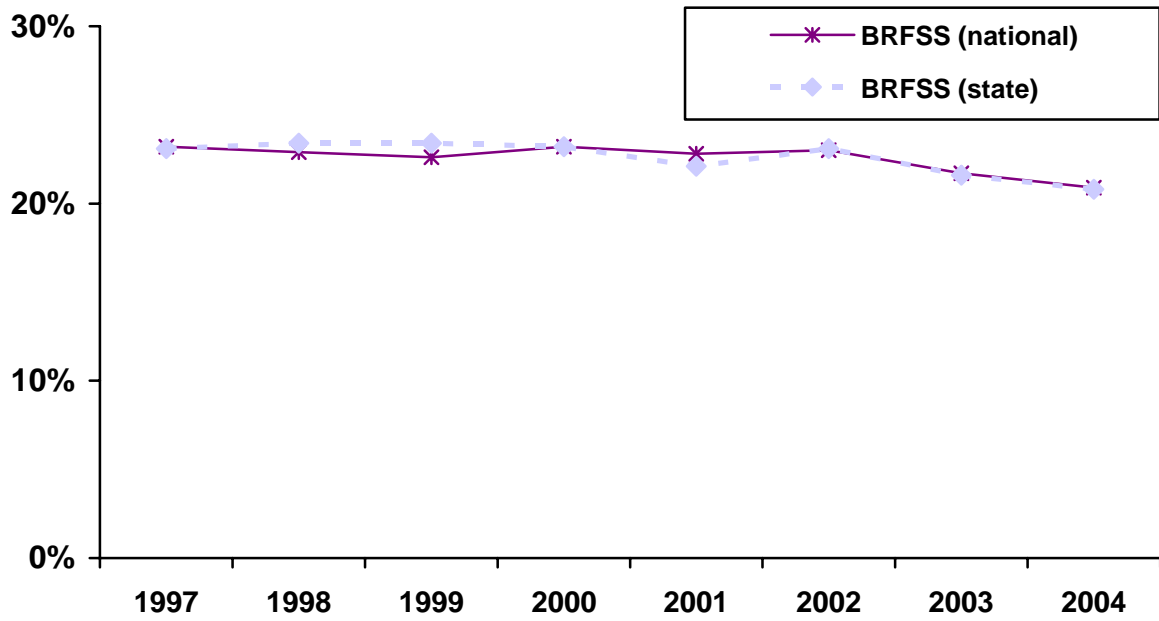
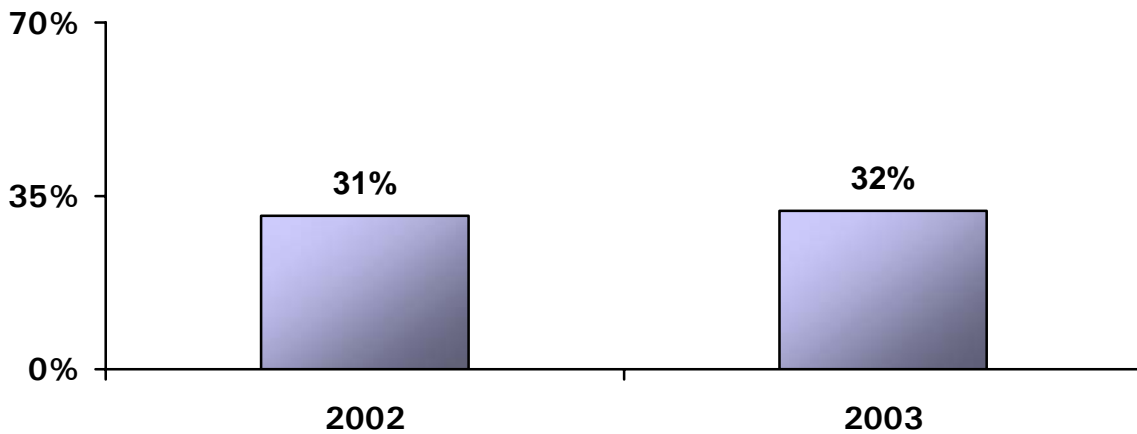


Figure 3. Percent of adults who currently use cigarettes (BRFSS).

## Cigarette Use: Initiation as a Minor

*The percentage of adults who started smoking cigarettes, even one or two puffs, when they were 17-years-old or younger was approximately 32% in 2003 (BRFSS). Considering that the 2003 BRFSS estimated 46% of all adults have ever smoked, a great majority of them (69%) started smoking as a minor. This question was not included in the 2004 BRFSS. The only data for 2004 comes from the ATS which asked respondents when they started ‘regularly’ smoking cigarettes; therefore, its 23% value does not necessarily imply, due to the difference in survey questions, a decrease.*



**Figure 4. Age 17 or Younger When First Smoked Cigarettes, Even a Puff or Two (BRFSS).**

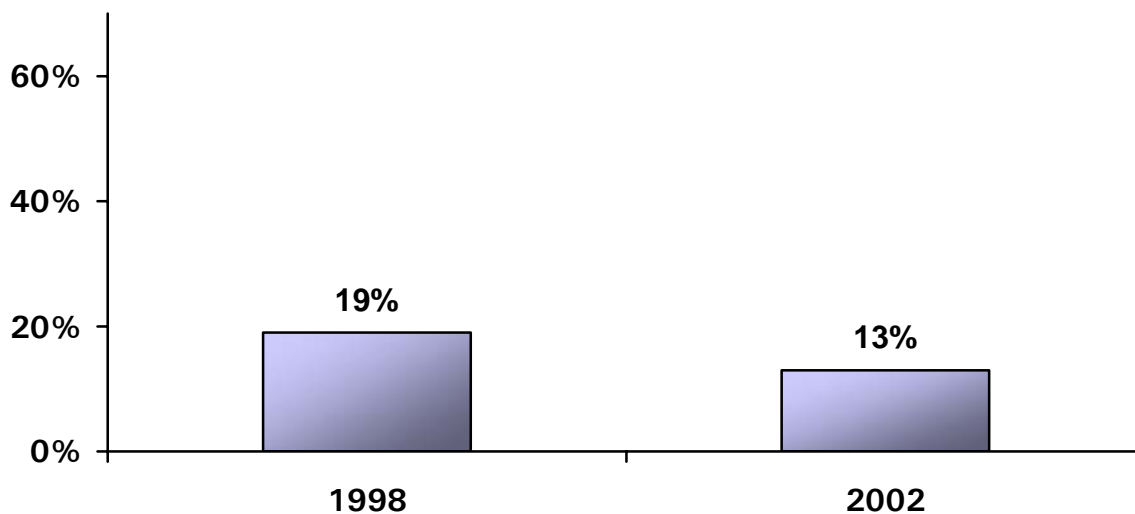
<b>Additional Data Sources</b>			
<i>Cigarette Use: Initiation as a Minor</i>			
<u>Year</u>	<u>Estimate</u>	<u>Source</u>	<u>Note</u>
2002	30%	AHS	Smoked First Cigarette Under 18
2004	23%	ATS	Started Smoking <u>Regularly</u> Under 18

## Cigarette Use: Initiation as an Adult

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*The percentage of adults who started smoking cigarettes, even one or two puffs, when they were 18-years-old or older was approximately 12% in 2003 (BRFSS). This question was not included in the 2004 BRFSS.*

*The only data for 2004 comes from the ATS which asked respondents when they started 'regularly' smoking cigarettes; therefore, due to the difference in survey questions, the 20% value does not necessarily imply a delay in initiation of cigarette use until adulthood.*



**Figure 4. Age 18 or older when first smoked cigarettes, even a puff or two (BRFSS).**

### Additional Data Sources *Cigarette Use: Initiation as an Adult*

<u>Year</u>	<u>Estimate</u>	<u>Source</u>	<u>Note</u>
2002	15%	AHS	Smoked First Cigarette Over 18
2004	20%	ATS	Started Smoking <u>Regularly</u> Over 18

## Cigarette Use: Initiation Age Among Young Adults

*One area of special interest is the cigarette use among young adults who were between 18 and 30 years old when surveyed and who had smoked 100 or more cigarettes during their lifetime. Typically, they first smoked cigarettes when they were between 13 and 17 years old. The mean age of first use ranges from 13.1 years (among 21-22 year olds in 2002) to 15.5 years (among 25-26 year olds in 2002) based on BRFSS data from 1998, 2002, and 2003.*

*The only data for 2004 comes from the ATS, but due to small sample sizes among the young adults age groups data are not reliable. Due to methodological differences between the BRFSS and ATS these mean ages are not directly comparable because BRFSS is based on first use and the ATS is based on first regular use.*

<b>Table 1</b>				
<b>Age First Smoked Cigarettes among Young Adults</b>				
Current Age	Mean age	Age First Smoked Cigarettes		
		12 years or younger	13-17 years	18 years or older
<b>BRFSS 1998<sup>a</sup></b>		%	%	%
18-20	15.1	15	75	10
21-22	15.4	9	75	16
23-24	16.6	11	29	60
25-26	15.9	15	50	35
27-28	16.4	8	50	42
29-30	16.1	5	62	33
<b>BRFSS 2002<sup>b</sup></b>		%	%	%
18-20	14.7	30	59	12
21-22	13.1	39	56	5
23-24	14.6	20	56	25
25-26	15.5	10	69	23
27-28	14.3	34	52	15
29-30	14.5	26	47	27
<b>BRFSS 2003<sup>b</sup></b>		%	%	%
18-20	13.7	35	56	9
21-22	14.8	25	58	17
23-24	13.9	33	52	15
25-26	15.3	12	72	16
27-28	15.3	31	54	15
29-30	13.7	29	58	13
<b>ATS 2004<sup>c,d</sup></b>				
18-20	14.4	NR	NR	NR
21-22	15.9	NR	NR	NR
23-24	15.5	NR	NR	NR
25-26	18.1	NR	NR	NR
27-28	16.7	NR	NR	NR
29-30	18.2	NR	NR	NR

<sup>a</sup> At what age did you first smoke?

<sup>b</sup> How old were you the first time you smoked a cigarette, even one or two puffs?

<sup>c</sup> How old were you when you first started smoking regularly?

<sup>d</sup> Because of the small sample sizes in these the ATS age groups, caution should be used when making inferences between the ATS and BRFSS means.

"NR" = Not reported because the within age group sample sizes were too small to produce reliable point estimates.

## Current Cigarette Use Among Young Adults

*The rate of current cigarette use among young adults who have ever smoked 100 or more cigarettes continues to be well over 50% for all the age groups from 18 through 30 years of age (BRFSS). Overall, the trend for the past several years has continued to be that approximately three out of every four such young adults are still currently using cigarettes (BRFSS).*

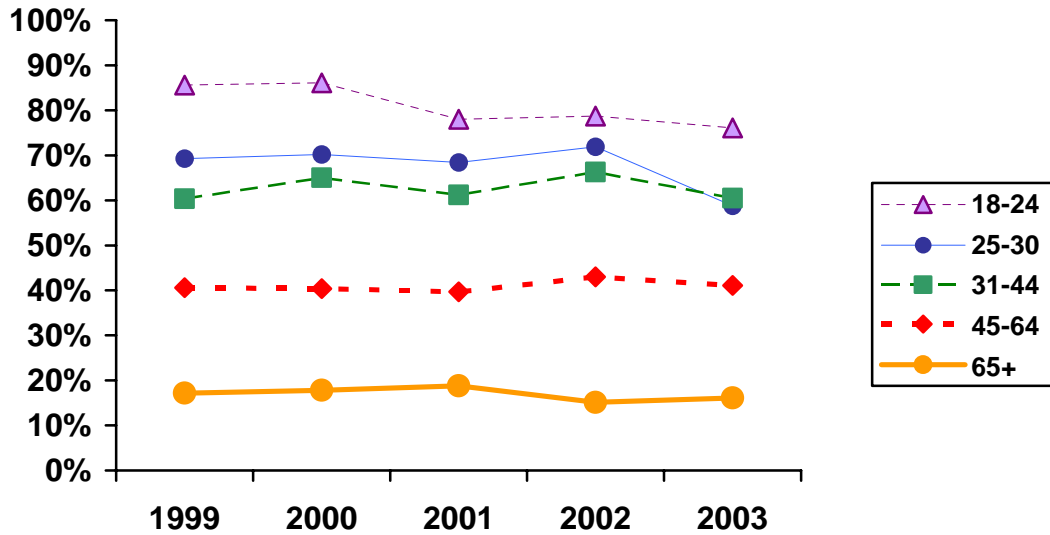
<b>Table 2</b>							
<b>Percent of Current Smokers Among Young Adults Who Have Ever Smoked 100 or More Cigarettes (BRFSS)</b>							
<b>Current Age</b>	<b>BRFSS</b>						
	<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>
<b>Total 18-30</b>	79	80	80	74	76	69	74
18-20	87	87	88	76	88	86	81
21-22	69	89	84	78	78	76	70
23-24	77	80	85	81	69	62	73
25-26	78	76	72	66	74	58	64
27-28	70	68	89	67	69	60	78
29-30	88	66	55	74	74	58	77

### Additional Data Sources *Current Cigarette Use among Young Adults*

<u>Year</u>	<u>Estimate</u>	<u>Source</u>	<u>Note</u>
2004	70%	ATS	Smoked Cigarettes within Past 30 Days among all Ever Smokers

## Percent of Current Smokers Among Ever Users

*There is a strong relationship between age and continuing to smoke cigarettes among people who have smoked 100 or more cigarettes during their lifetime. The proportion of current cigarette users declines with age. The rates are lowest for those aged 45 to 64 and then once again among those aged 65 and older.*



**Figure 5. Percent of current smokers among adults who have ever smoked 100+ cigarettes (BRFSS).**

<b>Table 3</b>										
<b>Percent of Current Smokers Among All Adults Who Have Ever Smoked 100 or More Cigarettes</b>										
Age	AHS		BRFSS <sup>(a,c)</sup>					ATS		
	1997 <sup>a,c</sup>	2002 <sup>a,b</sup>	1999	2000	2001	2002	2003	2004	2002 <sup>a,c</sup>	2004 <sup>a,b,c,d</sup>
<b>Total</b>	50	49	49	50	47	50	47	49	48	46
18-24	79	75	86	86	78.0	79	76	75	75	74
25-30	78	72	69	70	68	72	59	73	84	64
31-44	64	64	60	65	61	66	60	65	58	63
45-64	42	42	41	40	40	43	41	42	42	43
65+	18	17	17	18	19	15	17	20	17	15

<sup>a</sup> Have you smoked at least 100 cigarettes in your entire life?

<sup>b</sup> How long has it been since you last smoked part or all of a cigarette? (current smoker if smoked during past month)

<sup>c</sup> Do you now smoke cigarettes every day, some days, or not at all? (current smoker if smoked every day or some days)

<sup>d</sup> How long has it been since you last smoked cigarettes regularly? (current smoker if smoked regularly within the past month)



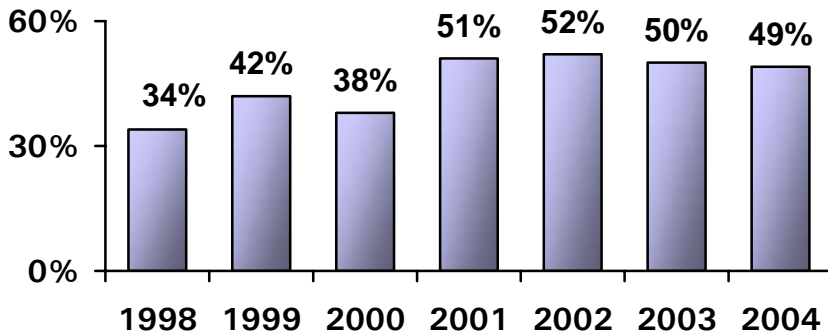
## Smoking Cessation Attempts Among Current Smokers

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*In the late 1990s and the year 2000, the percentage of current cigarette smokers who had quit smoking for one day or longer during the past 12 months was between 30% and 40% (BRFSS). In 2001, the percentage of current cigarette smokers who have quit smoking for a day or more during the past year increased to 50% and has remained relatively stable since then (BRFSS).*

*Although about 50% of current smokers had successfully quit for a day or more during the past 12 months (BRFSS), there were many more who would like to quit but were unable to do so. In 2004, approximately 82% of current smokers indicated that they would like to quit smoking (ATS).*

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**Figure 6. Percentage of current smokers who successfully quit smoking for one day or more during the past 12 months(BRFSS).**

### Additional Data Sources

#### *Smoking Cessation Attempts among Current Smokers*

<u>Year</u>	<u>Estimate</u>	<u>Source</u>	<u>Note</u>
2002	70%	ATS	Question was, "Would you like to quit smoking?"
2004	82%	ATS	Question was, "Would you like to quit smoking?"

## Chewing Tobacco or Snuff Use

*The percentage of adults who have ever used chewing tobacco or snuff has remained relatively stable since 2000 with about one in five adults reporting having used these smokeless forms of tobacco (BRFSS). The most current data on chewing tobacco or snuff use come from the 2004 ATS in which 20% reported ever use and 3% reported current use of chewing tobacco or snuff.*

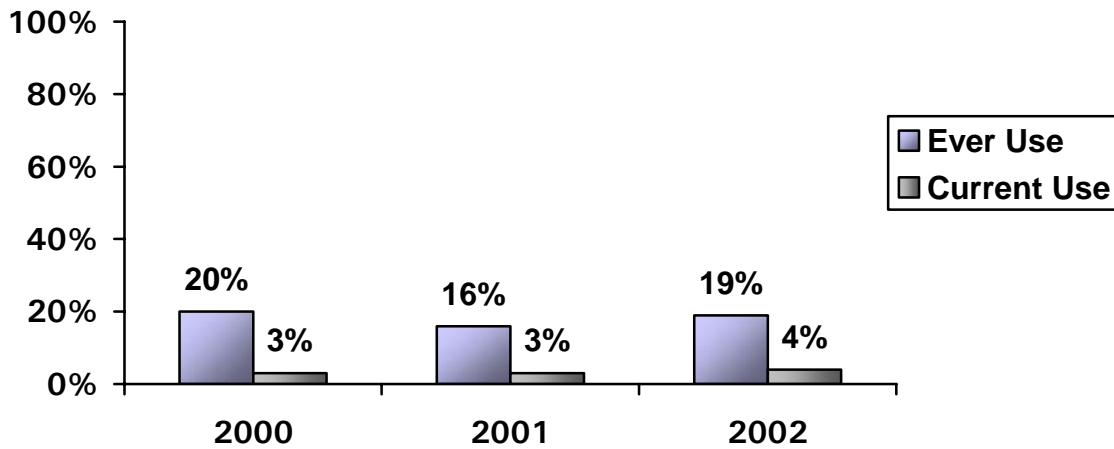
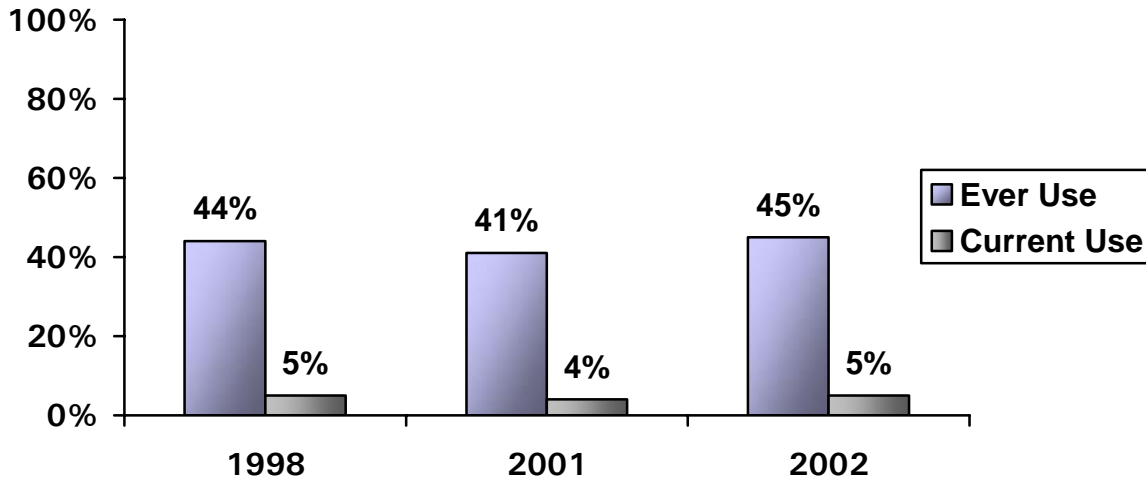


Figure 7. Percent of adults who have ever and who currently use smokeless tobacco (BRFSS).

<b>Additional Data Sources</b>			
<i>Chewing Tobacco or Snuff Use</i>			
<u>Year</u>	<u>Estimate</u>	<u>Source</u>	<u>Note</u>
2002	22%	AHS	Ever Use
2004	20%	ATS	Ever Use
2002	05%	AHS	Current Use
2004	03%	ATS	Current Use

## Cigar Use

*The 2004 ATS provides the most current data on cigar use among adult Iowans. Approximately 47% of adults have smoked a cigar (even if only a few puffs), and 5% of adults currently smoke cigars some days or every day.*

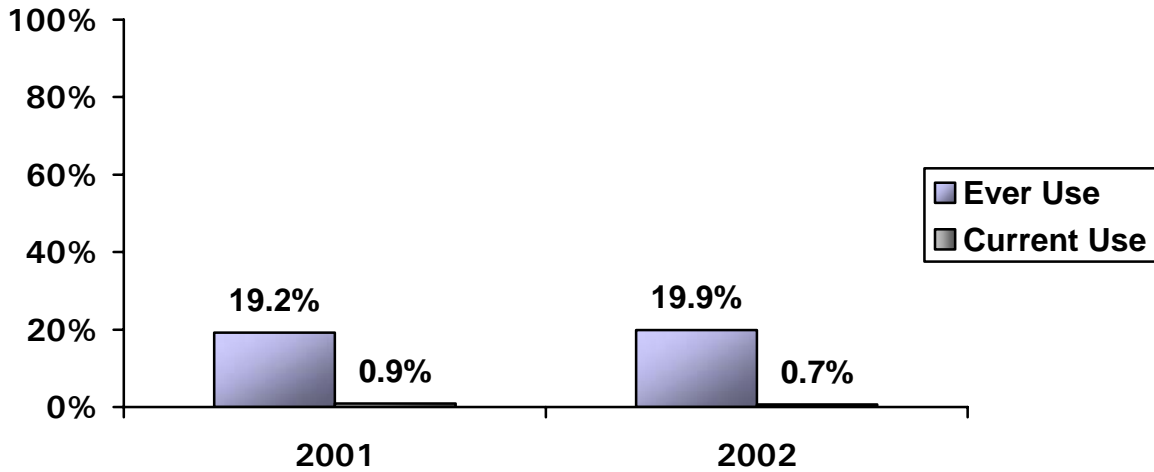


**Figure 8. Percent of adults who have ever smoked and who currently smoke cigars (BRFSS).**

<b>Additional Data Sources</b>			
<i>Cigar Use</i>			
<u>Year</u>	<u>Estimate</u>	<u>Source</u>	<u>Note</u>
2002	38%	AHS	Ever Use
2004	47%	ATS	Ever Use
2002	09%	AHS	Current Use
2004	05%	ATS	Current Use

## Pipe Tobacco Use

*The 2004 ATS provides the most current data on pipe smoking of tobacco use among adult Iowans. Approximately 22% of adults have smoked tobacco in a pipe (even once), and 1% of adults currently smoke a pipe some days or every day.*



**Figure 9. Percent of adults who have ever and who currently use pipe tobacco (BRFSS).**

<b>Additional Data Sources</b>			
<i>Pipe Tobacco Use</i>			
<u>Year</u>	<u>Estimate</u>	<u>Source</u>	<u>Note</u>
2002	19%	AHS	Ever Use
2004	22%	ATS	Ever Use
2002	01%	AHS	Current Use
2004	01%	ATS	Current Use

## Overview of Smoking Policy and Intervention Indicators

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**Smoking in Restaurants.** When asked whether smoking should be allowed within the indoor dining areas of restaurants in all areas, some areas, or not allowed at all, 60% of adult Iowans said that smoking should not be allowed at all (ATS 2004).

**Smoking in Bars and Cocktail Lounges.** There was majority support (53%) for restricting smoking to some areas of bars and cocktail lounges, but only 27% supported a policy where smoking would not be allowed in any areas within bars and cocktail lounges (ATS 2004).

**Smoking at Schools.** There were no new data on this topic since the 2002 ATS.

**Smoking in Outdoor Public Places.** Approximately, one in three (31%) expressed support for *not* allowing smoking in outdoor public places (ATS 2004).

**Workplace Policies about Smoking in Work Areas.** Among adult Iowans who work indoors, more than three-fourths of these workers reported that at their workplace the policy was that smoking was not allowed in any work areas (86% in the 2004 BRFSS and 79% in the 2004 ATS).

**Workplace Policies about Smoking in Common or Public Areas.** Among adult Iowans who work indoors, more than three-fourths of these workers said that smoking was not allowed in public or common areas (81% in the 2004 BRFSS and 77% in the 2004 ATS).

**Smoking Policies in the Home.** As of 2004, approximately three-fourths of adult Iowans (74% in the 2004 ATS and 70% in the 2004 BRFSS) reported that smoking is not allowed anywhere inside the home. The ATS question clarified that decks, garages and porches are not considered to be “inside” the home.

**Smoking Policies in the Family Car.** Smoking was never allowed in any family cars according to 64% of adult Iowans with cars in 2004. Approximately 15% reported there were no rules about smoking in the car (17% in the 2004 ATS and 14% in the 2004 BRFSS).

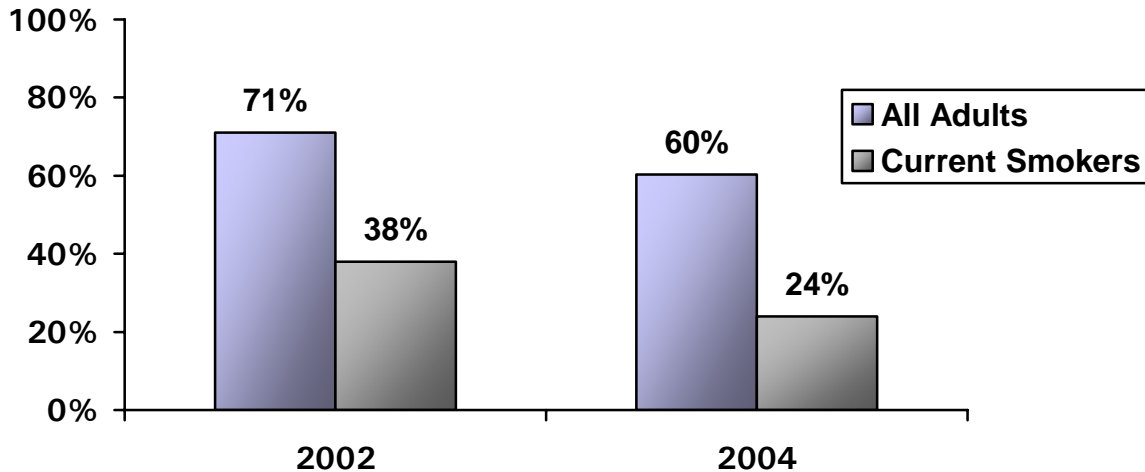
**Health Care Providers Advising Current Smokers to Quit.** Current cigarette smokers who had seen a doctor, nurse or other health care provider during the past 12 months were asked if the health care provider advised them to quit smoking. In 2004, slightly more than one-half of these current smokers were advised by their health care provider not to smoke (58% in the 2004 BRFSS and 53% in the 2004 ATS).

**Media Awareness among Adults.** In the 2004 BRFSS, adult Iowans were asked how often they had seen anything on TV, heard anything on the radio, or seen any billboards against smoking: 46% said “a lot,” 36% said “sometimes,” 13% said “rarely,” 3% said “never,” and 2% were “not sure.”

**Awareness of JEL among Adults.** When asked specifically about whether they had heard or seen anything at all about the “Just Eliminate Lies” or JEL anti-tobacco advertising campaign, aimed at youth, 53% of adults had heard at least something (2004 BRFSS).

## Smoking in Restaurants

*When asked whether smoking should be allowed within the indoor dining areas of restaurants in all areas, some areas, or not allowed at all, 60% of adult Iowans said that smoking should not be allowed at all. This apparent decline in 2004 from the 70% levels found in 2001 and 2002 may partly be attributable to a change in the survey question which formerly was framed in terms of the level of agreement that smoking should not be allowed within indoor restaurants. Similarly, the BRFSS data from 1998 to 2000 asked about restaurants in general without specifying indoor versus outdoor eating areas. Not surprisingly, most current smokers did not favor prohibiting smoking in all areas within restaurants.*



**Figure 10. Percent of adults who said smoking should not be allowed at all in indoor dining areas of restaurants (ATS)**

### Additional Data Sources *Smoking in Restaurants*

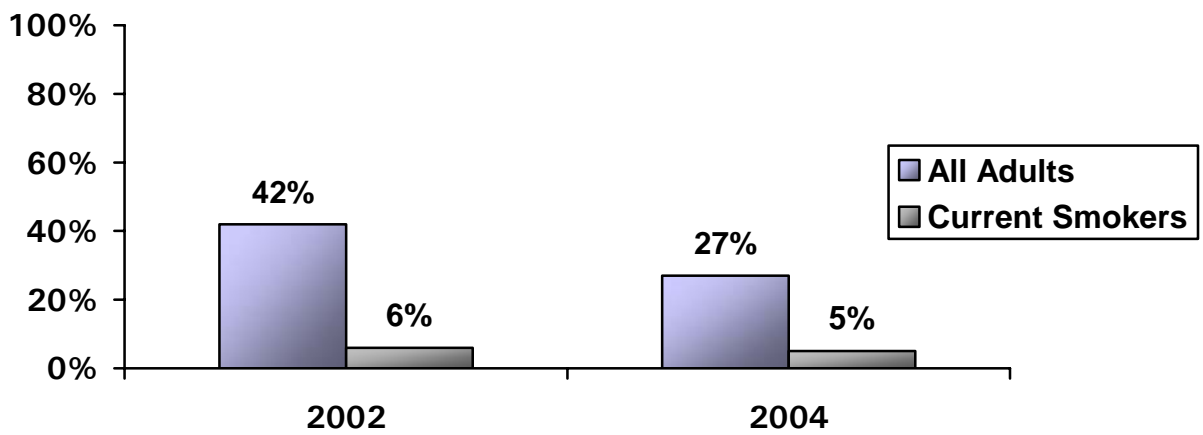
<u>Year</u>	<u>Estimate</u>	<u>Source</u>	<u>Note</u>
1998	51%	BRFSS	Should Not Be Allowed in Restaurants
1999	53%	BRFSS	Should Not Be Allowed in Restaurants
2000	53%	BRFSS	Should Not Be Allowed in Restaurants
2001	70%	ATS	Should Not Be Allowed in Indoor Restaurants

## Smoking in Bars

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*In the 2001 and 2002 ATS, respondents were asked whether or not smoking should be allowed in bars. In 2004, the question was expanded to include 'bars and cocktail lounges.' It is unclear the extent to which the decline from 42% to 27% represents an actual change in public opinion versus a reaction to the change in the wording of the question. Regardless of the question wording, there was little support among current smokers for prohibiting smoking in bars (or bars and cocktail lounges).*

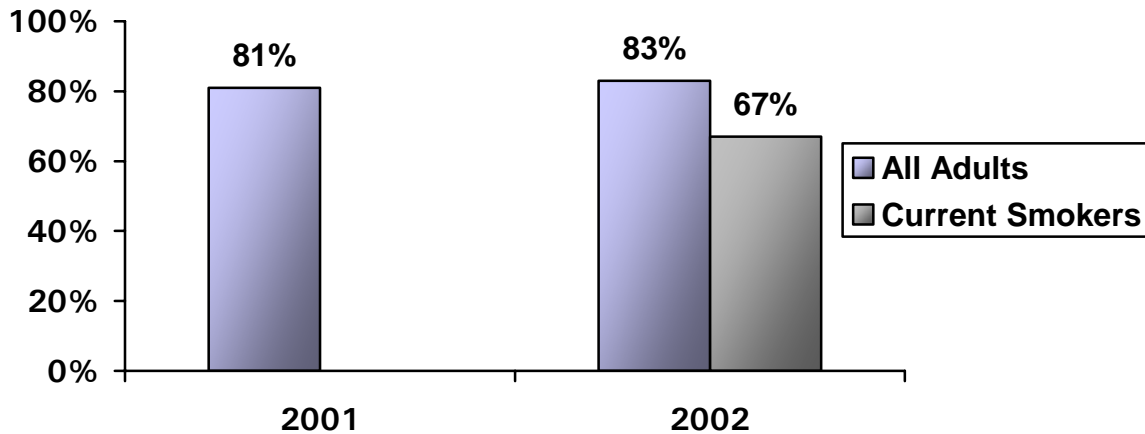
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**Figure 11. Percent of all adults and current smokers who said smoking should not be allowed anywhere in bars (2002)**

## Smoking at Schools

*No new data were available about public opinion as to whether or not smoking should be allowed at schools. In the 2001 and 2002 ATS, slightly more than 80% of adult Iowans expressed agreement that smoking should not be allowed on any school grounds including high school and college campuses. The earlier data from the BRFSS was less specific and asked simply about 'schools.'*



**Figure 12. Percent of all adults and current smokers who said smoking should not be allowed on any school grounds**

### Additional Data Sources *Smoking at Schools*

<u>Year</u>	<u>Estimate</u>	<u>Source</u>	<u>Note</u>
1998	91%	BRFSS	Should Not Be Allowed at Schools
1999	92%	BRFSS	Should Not Be Allowed at Schools
2000	94%	BRFSS	Should Not Be Allowed at Schools

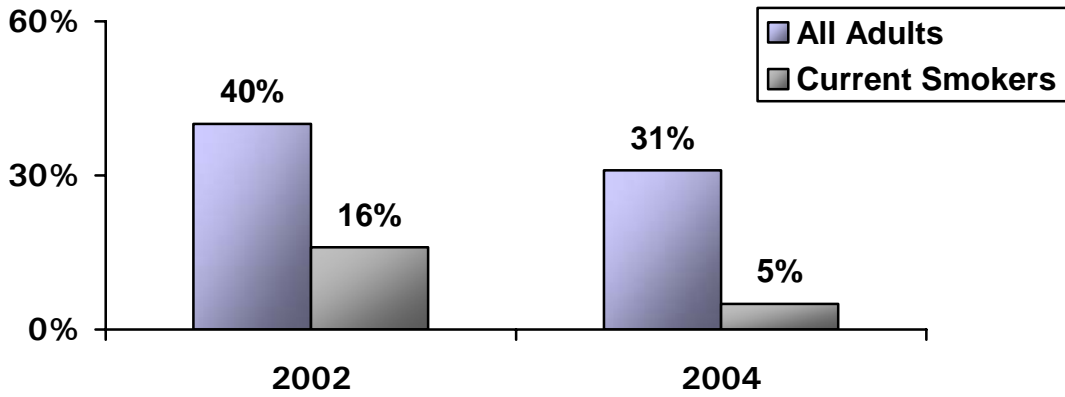


## Smoking in Outdoor Public Places

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*About two-thirds of adult Iowans opposed prohibiting smoking in outdoor public places; in other words, about one in three (31%) expressed support for not allowing smoking in outdoor public places.*

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**Figure 13. Percent of all adults and current smokers who said that smoking should not be allowed in outdoor public places (ATS)**

## **Smoking Policies: Workplace (Work Areas)**

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Those adults who work indoors most of the time were asked about the official smoking policy for work areas at their places of employment. The findings from both the 2004 BRFSS and 2004 ATS indicated that, for more than three-fourths of these indoor workers, smoking was not allowed in any work areas (86% BRFSS and 79% ATS). Smoking was allowed in some work areas for about one in ten workers (7% BRFSS and 13% ATS) of workers. There are very few workers for whom smoking was allowed in all work areas of their workplace (3% BRFSS and 2% ATS). There is no official workplace policy addressing smoking in work areas according to 4% (BRFSS) and 10% (ATS) of those workers surveyed.

In the 2004 ATS, 77% of adult Iowans expressed agreement with a policy where smoking would not be allowed in any indoor work areas. This policy position was also supported by 49% of current cigarette smokers.

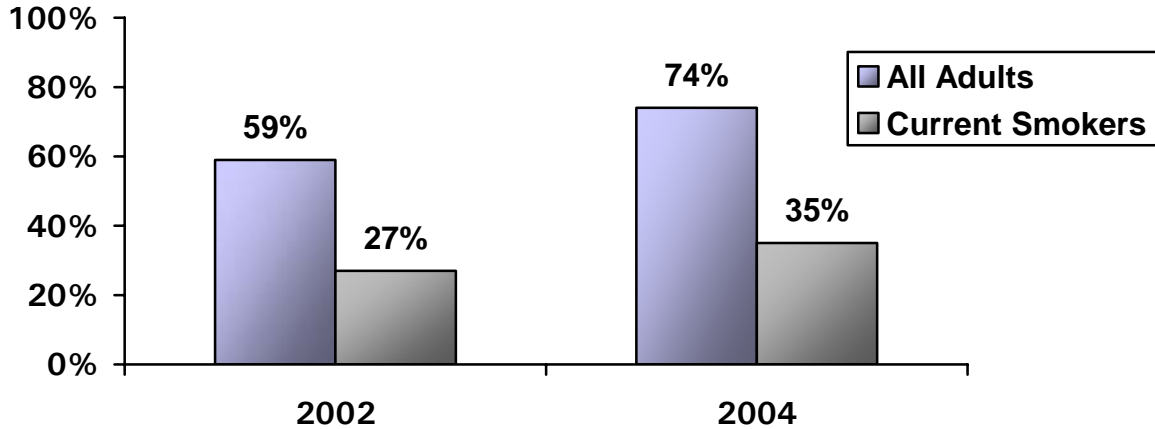
## **Smoking Policies: Workplace (Public or Common Areas)**

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Those adults who work indoors most of the time were asked about the official smoking policy for indoor public or common areas such as lobbies, rest rooms, and lunchrooms at their workplace. The findings from both the 2004 BRFSS and 2004 ATS indicate that for more than three-fourths of these workers smoking was not allowed in public or common areas (81% BRFSS and 77% ATS). Smoking was allowed in some public areas for about one in eight indoor workers (12% BRFSS and 14% ATS). There are few workers for whom smoking was allowed in all public areas of their workplace (2% BRFSS and 1% ATS). There was no official workplace policy addressing smoking in public or common areas according to 4% (BRFSS) and 8% (ATS) of those workers surveyed.

## Smoking Policies: Home

*As of 2004, approximately three-fourths of adult Iowans (74% ATS and 70% BRFSS) reported that smoking was not allowed anywhere inside the home. The ATS question clarified that decks, garages and porches are not considered to be “inside” the home.*



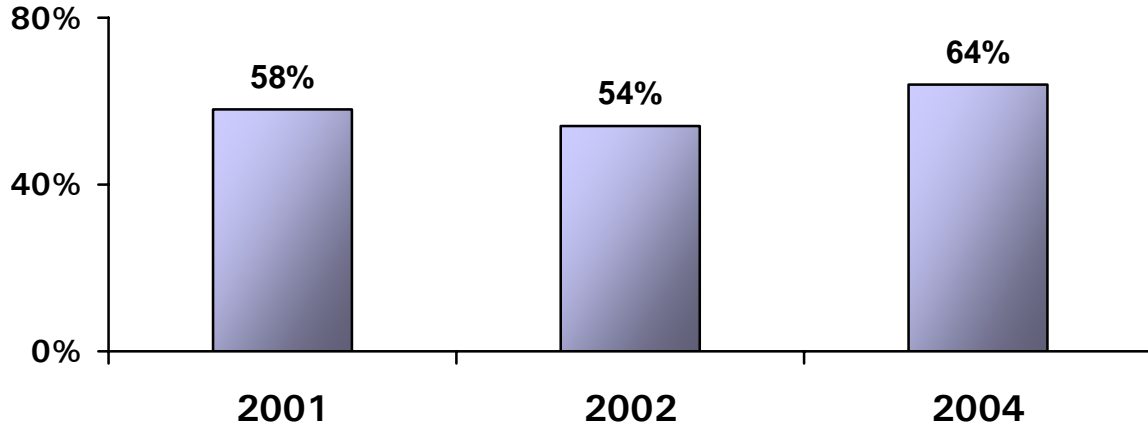
**Figure 14. Percent of all adults and current smokers who said that smoking was not allowed anywhere inside their home (ATS).**

### Additional Data Sources *Smoking Policy Inside Home*

<u>Year</u>	<u>Estimate</u>	<u>Source</u>	<u>Note</u>
2003	69%	BRFSS	Smoking Is Not Allowed Anywhere Inside Home
2004	70%	BRFSS	Smoking Is Not Allowed Anywhere Inside Home

## Smoking Policies: Family Car

*In 2004 Smoking was never allowed in any family cars according to 64% of adult Iowans with cars. Approximately 15% reported there were no rules about smoking in the car (17% in the 2004 ATS and 14% in the 2004 BRFSS).*



**Figure 15. Percent of adults who said that smoking was never allowed in any family car (ATS).**

### Additional Data Sources *Smoking Policy inside Family Car*

<u>Year</u>	<u>Estimate</u>	<u>Source</u>	<u>Note</u>
2004	66%	BRFSS	Smoking is Not Allowed In Your Vehicle

## **Health Care Providers**

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Current cigarette smokers who had seen a doctor, nurse or other health care provider during the past 12 months were asked if the health care provider advised them to quit smoking. In 2004, only slightly more than one-half of these current smokers were advised by their health care provider not to smoke (58% BRFSS and 53% ATS).

According to the 2004 BRFSS, 27% of current smokers who saw a health care provider reported that on at least one visit the doctor, nurse or health care provider recommended or discussed medications such as nicotine gum, patch, nasal spray, inhaler, lozenge, or prescription medication such as Wellbutrin, Zyban or Bupropion to help them quit smoking. Likewise, 21% had a health care provider recommend or discuss methods or strategies other than medication to assist them in quitting smoking.

## **Anti-Smoking Media Campaign Awareness**

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In the 2004 BRFSS, adult Iowans were asked how often they had seen anything on TV, heard anything on the radio, or seen any billboards against smoking: 46% said “a lot,” 36% said “sometimes,” 13% said “rarely,” 3% said “never,” and 2% were “not sure.”

When asked specifically about whether they had heard or seen anything at all about the youth-orientated “Just Eliminate Lies” or the JEL anti-tobacco advertising campaign, 53% of adults had heard at least something based on the 2004 BRFSS findings.

In the 2004 BRFSS, those who had heard of JEL were asked how well informed they thought they were about the JEL campaign: 24% thought they were “very well informed,” 55% “somewhat informed,” 18% “not very well informed,” and 3% “not at all informed.”

## PART 3 FINDINGS FROM SURVEYS OF IOWA YOUTH

### Overview of Key Findings (Youth)

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**Ever Cigarette Use.** The trend since 2000 of declining prevalence of cigarette use continued among both high school and middle school students. Based on the results of the 2004 IYTS, with 47% of high school and 24% of middle school students reporting ever smoking cigarettes.

**Current Cigarette Use.** The trend since 2000 of declining prevalence of current cigarette use continued among high school students based on the results of the 2004 IYTS, 18% of high school reporting they currently smoked cigarettes. The rate among middle school students was largely unchanged from 5% in 2001/2002 to 6% in 2004 (IYTS).

**Age of Initiation of Cigarette Use.** Approximately, 14% of high school students in 2004 reported having smoked at age 12 or younger as compared to 22% in 2001 (IYTS).

**Smoking Cessation.** The percentage of high school youth who reported they tried to quit smoking during the past 12 months was 24% in 2000 and 15% in 2004 (IYTS). One possible reason for this change may be the overall lower rates of cigarette use among high school youth. Over the past several years, the percentage of middle school youth who have tried to quit smoking during the past 12 months continues to be between 5% and 7% (IYTS).

**Cigarette Purchasing.** Only about 15% of high school youth and 5% of middle school youth reported they purchased cigarettes during the past 30 days (IYTS). Gas stations were the most commonly reported locations where students reported purchasing cigarettes (IYTS). Less than 10% of high school youth attempted to buy cigarettes in a store during the past 30 days, but only about one in two who attempted to buy cigarettes said that they were asked for proof of age (IYTS).

**Smokeless Tobacco.** In 2000, the prevalence of ever having used smokeless tobacco was 14% among middle school students and 27% among high school students (IYTS). In 2004, the rates of ever having used smokeless tobacco had declined to 9% among middle school students and 20% among high school students (IYTS). These findings consistently show a pattern of approximately twice the rate of ever having used smokeless tobacco among high school students as with middle school students. The rates of current use were about three or four times higher among high school than middle school students.

**Cigar Use.** In 2000, the prevalence of ever having smoked a cigar was 44% among high school students, and four years later in 2004, the prevalence was down to 33% (IYTS). The percentage of middle school students who had ever smoked a cigar in 2001/2002 was 15% as compared with 12% in 2004 (IYTS). In 2004, the rates of current cigar use were 3% among middle school students and 12% among high school students (IYTS).

**Awareness of JEL.** When asked if in the 2004 IYTS, “Have you ever heard or seen anything at all about the anti-tobacco advertising campaign called ‘JEL’ (Just Eliminate Lies?)”, 85% of high school students said they knew about JEL in comparison to only 54% of middle school students.

**Assessment of JEL.** In 2004, the JEL campaign did “very well” in getting the anti-tobacco message to young people according to 20% of both middle and high school students (IYTS). The JEL did “OK” according to 36% of middle school and 58% of high school students (IYTS). Far fewer middle school students reported learning much from JEL in 2004 than earlier.

**Attitudinal Impact of JEL.** Due to JEL High school student attitudes toward the tobacco industry have been stable and mostly more negative for the period 2001 to 2004. In comparison, attitudes by middle school students show less awareness of JEL and fewer students viewing the tobacco industry more negatively.

**Endorsement of Tobacco-Related Products.** Students were asked in the 2004 ITYS, “Would you ever use or wear something that has a tobacco company name or picture on it such as a lighter, t-shirt, hat, or sunglasses?” About 79% of middle school students said probably not (31%) or definitely not (48%), and about 65% of high school students said probably (35%) or definitely (30%) not.

## Youth Cigarette Use (Ever Use)

*The trend since 2000 of declining prevalence of cigarette use continued among both high school and middle school students based on the results of the 2004 IYTS, with 47% of high school and 24% of middle school students reporting ever smoking cigarettes*

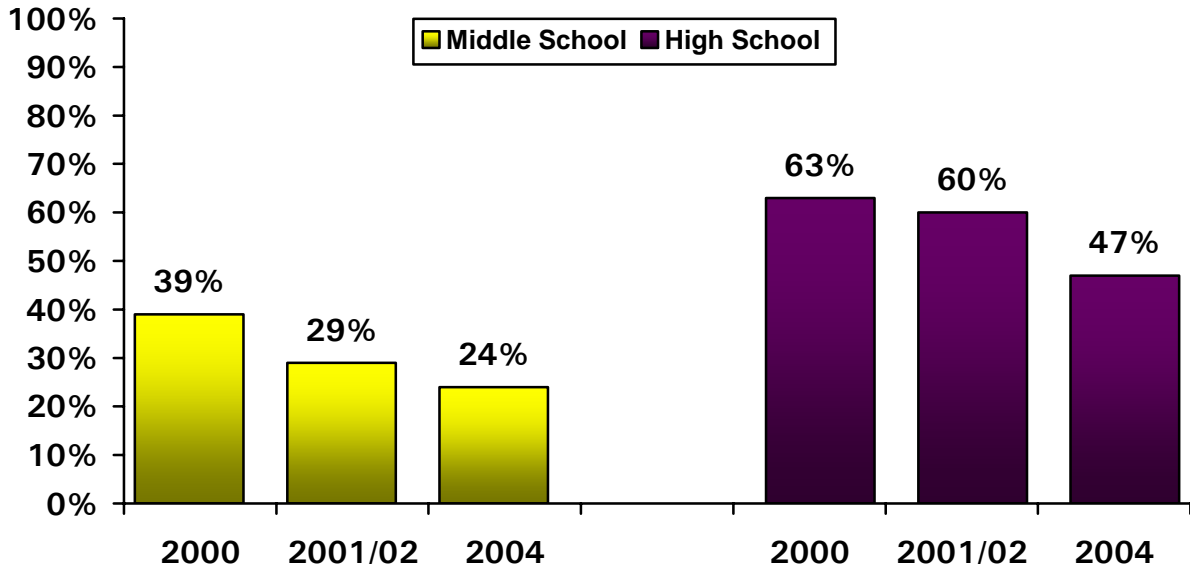


Figure 16. Percent who have ever smoked a cigarette, even one or two puffs (IYTS)

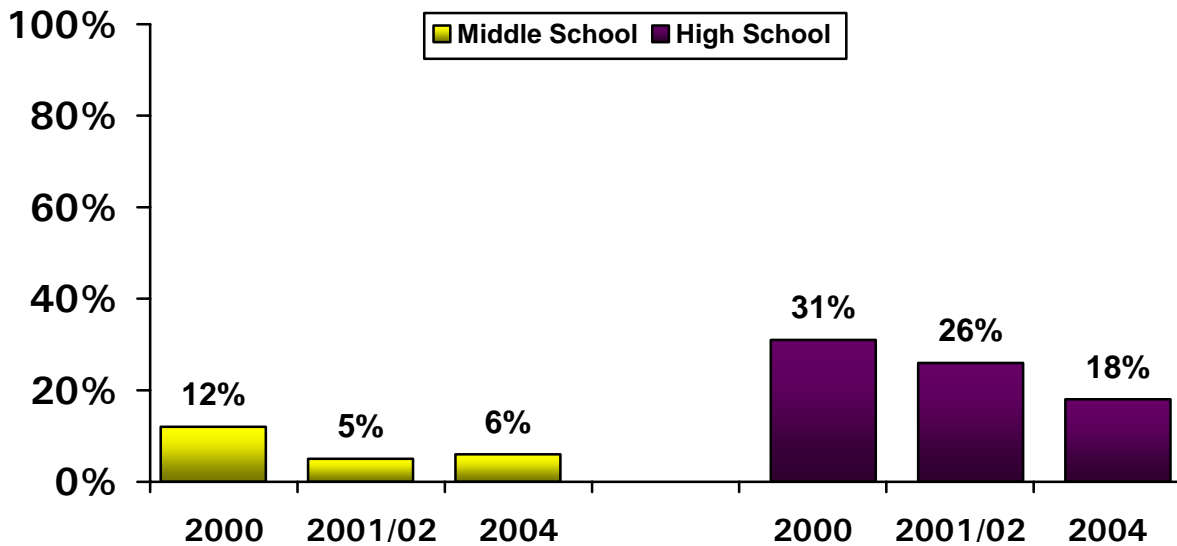
### Additional Data Sources *Ever Smoked Cigarettes*

<u>Year</u>	<u>Estimate</u>	<u>Source</u>	<u>Note</u>
1999	31%	IYS	Ever Cigarette Use
2002	22%	IYS	Ever Cigarette Use



## Youth Cigarette Use (Current Use)

*The trend of declining prevalence of current cigarette use since 2000 continued among high school students based on the results of the 2004 IYTS with 18% of high school reporting that they currently smoked cigarettes. The rate among middle school students was largely unchanged from 5% in 2001/2002 to 6% in 2004.*



**Figure 17. Percent who currently smoke cigarettes (IYTS).**

### Additional Data Sources *Current Cigarette Use*

<u>Year</u>	<u>Estimate</u>	<u>Source</u>	<u>Note</u>
1999	18%	IYS	Current Cigarette Use
2002	24%	IYS	Current Cigarette Use

## Age of Smoking Initiation Among Youth

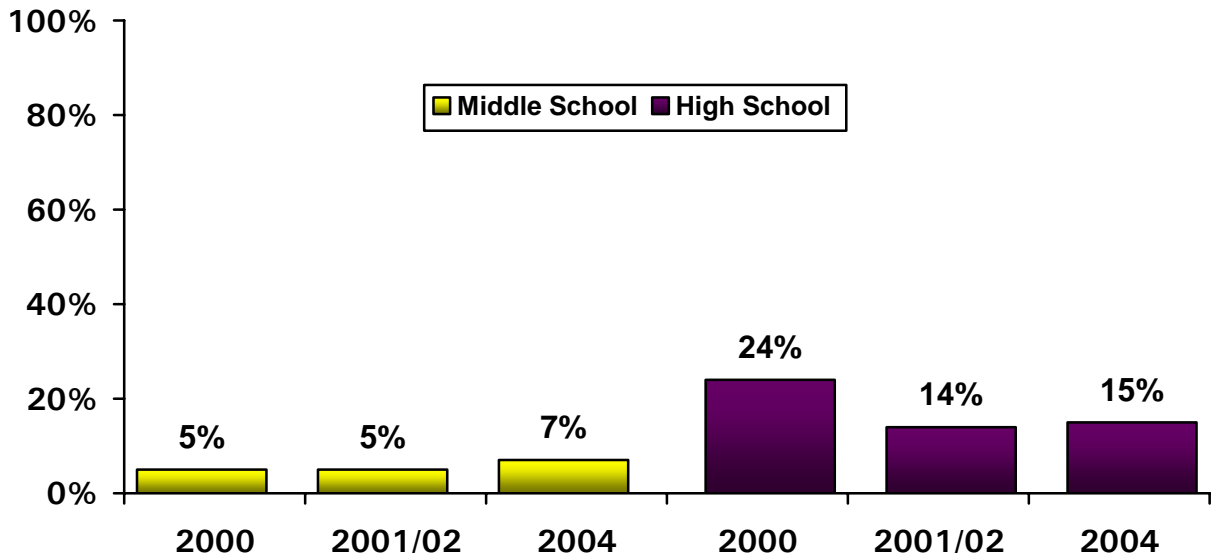
*The percentage of high school youth who have never smoked cigarettes has increased from 46% in 2000 to 64% in 2004. Only 14% of high school students reported first smoking at age 12 or younger in 2004, as compared to 22% in 2000 (IYTS).*

<b>Table 4</b>						
<b>Age of Smoking Initiation among Youth</b>						
	Middle School			High School		
	IYTS 2000	IYTS 2001/2002	IYTS 2004	IYTS 2000	IYTS 2001/2002	IYTS 2004
Never used cigarettes	-	81	87	46	51	64
8 or less	-	4	2	4	3	4
9 or 10	-	4	3	6	5	4
11 or 12	-	7	5	12	10	6
13 or 14	-	4	3	19	18	12
15 or 16	-	<1	<1	11	11	8
17 or over	-	0	0	2	2	2
<b>Summary age groups:</b>						
12 or less	-	--	10	22	18	14
13 or over	-	--	3	32	31	22

<b>Additional Data Sources</b>			
<i>Age of Smoking Initiation among Youth</i>			
<u>Age</u>	<u>Estimate%</u>		<u>Source</u>
	<u>1999</u>	<u>2002</u>	
Never Used	70.0	78.0	IYS
8 or younger	4.0	3.0	IYS
9 or 10	5.0	4.0	IYS
11 or 12	9.0	6.0	IYS
13 or 14	8.0	5.0	IYS
15 or 16	4.0	3.0	IYS
17 or older	0.0	0.0	IYS
12 and Under	18.0	13.0	IYS
13 and Over	12.0	8.0	IYS

## Smoking Cessation Among Youth

*The percentage of high school youth who reported they tried to quit smoking during the past 12 months was 24% in 2000 and 15% in 2004. One possible reason for this change may be the overall lower rates of cigarette use among high school youth. Over the past several years, the percentage of middle school youth who have tried to quit smoking during the past 12 months continues to be between 5% and 7% (IYTS).*



**Figure 18. Percent of youth who tried to quit smoking during the past 12 months (IYTS).**

### Additional Data Sources *Smoking Cessation among Youth*

<u>Year</u>	<u>Estimate</u>	<u>Source</u>	<u>Note</u>
1999	15%	IYS	<u>Ever</u> Tried to Quit Smoking
2002	10%	IYS	<u>Ever</u> Tried to Quit Smoking

## Cigarette Purchasing Among Youth

*About 15% of high school youth and 5% of middle school youth reported they purchased cigarettes during the past 30 days (IYTS). Gas stations were the most commonly reported locations where students reported purchasing cigarettes. Less than 10% of high school youth attempted to buy cigarettes in a store during the past 30 days (IYTS), and less than 5% of high school youth were asked to show proof of age to buy cigarettes during the past 30 days. Yet, this means that only about one in two of those attempting to buy cigarettes in a store were asked for proof of their age.*

<b>Table 5</b>						
<b>Cigarette Purchasing among Youth</b>						
	Middle School			High School		
	IYTS 2000	IYTS 2001/ 2002	IYTS 2004	IYTS 2000	IYTS 2001/ 2002	IYTS 2004
<b>Location of cigarette purchase - Past 30 days<sup>a</sup></b>						
Did not buy a pack of cigarettes in the past 30 days	88	95	95	74	80	85
Gas station	3	1	2	15	11	8
Convenience store	1	<1	<1	4	3	2
Grocery store	<1	<1	<1	2	2	1
Drug store	0	0	<1	<1	<1	<1
Vending machine	0	0	<1	<1	<1	<1
Over the internet	.2	0	<1	<1	<1	<1
Other	7	3	3	4	3	3
<b>Asked to show proof of age<sup>b</sup></b>						
Yes, I was asked to show proof of age	2	<1	<1	9	8	5
No, I was not asked to show proof of age	--	1	2	--	5	4
<b>Did anyone refuse to sell to you because of your age<sup>c</sup></b>						
Yes, someone refused to sell to me due to my age	4	1	2	3	2	2

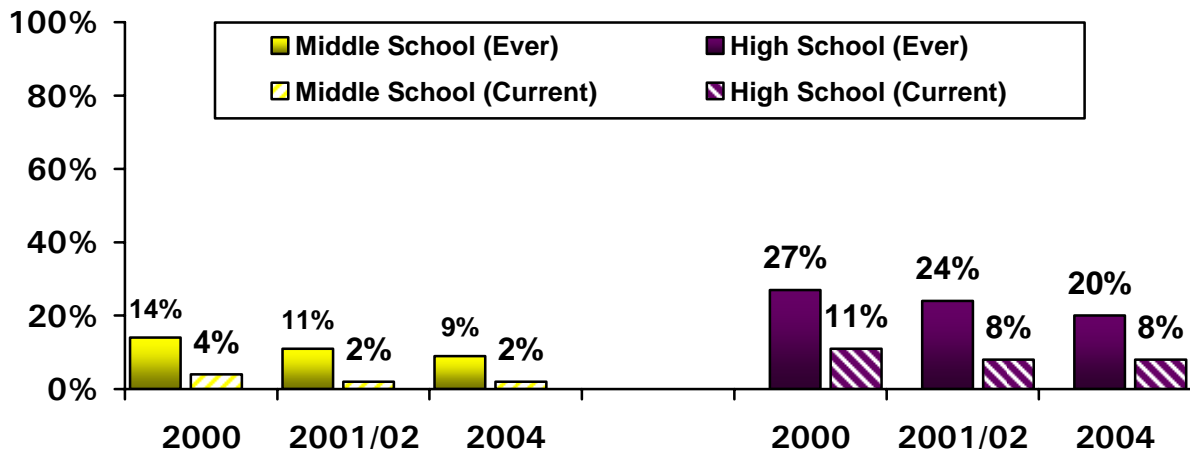
<sup>a</sup> During the past 30 days, where did you buy the last pack of cigarettes you bought?

<sup>b</sup> When you bought or tried to buy cigarettes in a store during the past 30 days, were you ever asked to show proof of age?

<sup>c</sup> During the past 20 days, did anyone ever refuse to sell you cigarettes because of your age?

## Smokeless Tobacco Among Youth

*In 2000, the prevalence of ever having used smokeless tobacco was 14% among middle school students and 27% among high school students (IYTS). In 2004, the rates of ever having used smokeless tobacco had declined to 9% among middle school students and 20% among high school students (IYTS). These findings consistently show a pattern of approximately twice the rate of ever having used smokeless tobacco among high school students as with middle school students. The rates of current use were about three or four times higher among high school than middle school students.*



**Figure 19. Percent of ever and current use of smokeless tobacco (IYTS).**

<b>Additional Data Sources</b>			
<i>Smokeless Tobacco among Youth</i>			
<u>Year</u>	<u>Estimate</u>	<u>Source</u>	<u>Note</u>
1999	12%	IYS	Ever Used Smokeless Tobacco
2002	9%	IYS	Ever Used Smokeless Tobacco
1999	5%	IYS	Used Smokeless Tobacco During Past 30 Days
2002	3%	IYS	Used Smokeless Tobacco During Past 30 Days

## Cigar Use Among Youth

*In 2000, the prevalence of ever having smoked a cigar was 44% among high school students, and four years later in 2004, the prevalence was down to 33%. In contrast, the percentage of middle school students who had ever smoked a cigar in 2001/2002 was 15% as compared with 12% in 2004. In 2004, the rates of current cigar use were 3% among middle school students and 12% among high school students.*

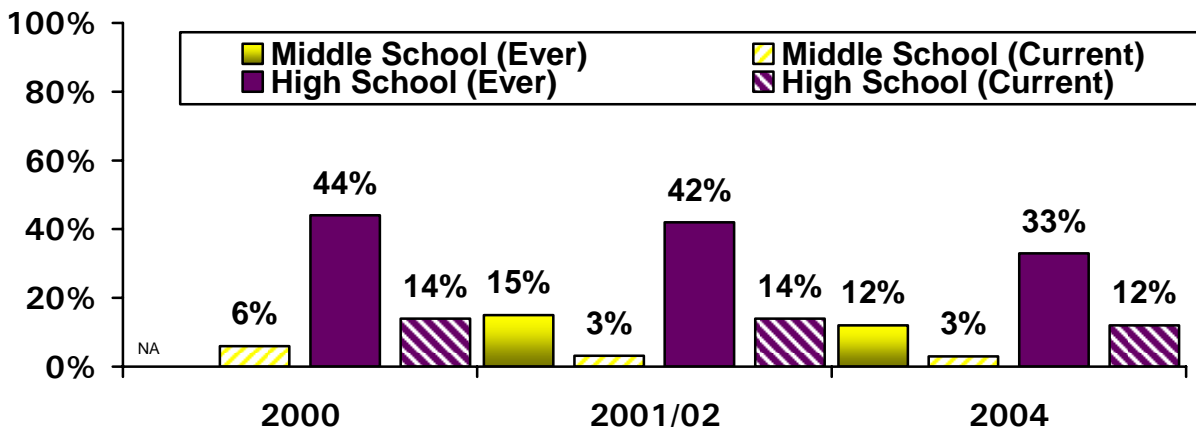


Figure 20. Percent of ever and current use of cigars (IYTS).

### Additional Data Sources *Cigar Use among Youth*

<u>Year</u>	<u>Estimate</u>	<u>Source</u>	<u>Note</u>
1999	6%	IYS	Current Cigar Use
2002	4%	IYS	Current Cigar Use

## JEL Media Campaign: Awareness Among Youth

*When asked if in the 2004 IYTS, “Have you ever heard or seen anything at all about the anti-tobacco advertising campaign called ‘JEL’ (Just Eliminate Lies?)”, 85% of high school students said they knew about JEL in comparison to only 54% of middle school students.*

*In 2004, the JEL campaign did very well in getting the anti-tobacco message to young people according to 20% of both middle and high school students. The JEL did “OK” according to 36% of middle school students and 58% of high school students.*

*The extent to which high school students reported learning from JEL was stable from 2001/2002 to 2004, but there was an appreciable decline among middle school students over this time period.*

**Table 6**  
**JEL Media Campaign and Learning**

	Middle School			High School		
	IYTS 2000	IYTS 2001/2002	IYTS 20004	IYTS 2000	IYTS 2001/2002	IYTS 2004
<b>How well do you think JEL does in getting the anti-tobacco message across to people your age?</b>						
It does very well	--	32.7	19.9	--	21.9	19.5
It does OK	--	43.3	35.8	--	52.2	57.5
It does a poor job	--	6.9	6.8	--	13.7	11.1
I am not aware of the campaign	--	17.2	37.5	--	12.2	11.8
<b>How much did you learn from the JEL campaign?</b>						
I learned a lot	--	31.7	17.4	--	16.1	14.7
I learned something	--	32.2	24.8	--	37.9	39.3
I didn't learn too much	--	13.4	11.6	--	22.6	24.1
I didn't learn anything at all	--	4.3	5.4	--	10.7	9.1
I have never heard or seen anything at all about JEL	--	18.4	40.8	--	12.7	12.7

*Note.* The percentages of students who acknowledge no awareness of the campaign are slightly varied across questionnaire items.

## JEL Media Campaign: Attitudinal Impact Among Youth

*The impact of JEL on attitudes toward the tobacco industry have remained relatively stable among high school students between 2001/2002 and 2004. Among middle school students, the percentage who view the tobacco industry more negatively as a result of JEL has decreased from 50% to 33% during this time period, and the percentage who acknowledged no awareness of the campaign more than doubled from 20% to 44%.*

<b>Table 7 JEL Media Campaign: Attitude Change</b>						
	Middle School			High School		
	IYTS 2000	IYTS 2001/2002	IYTS 2004	IYTS 2000	IYTS 2001/2002	IYTS 2004
<b>How has the JEL anti-tobacco campaign changed your attitude toward the tobacco industry?</b>						
I view the tobacco industry more positively	--	10.4	8.1	--	5.3	4.7
I view the tobacco industry more negatively	--	50.3	32.7	--	43.3	47.2
I view the tobacco industry the same	--	18.9	15.1	--	38.0	33.6
I am not aware of the campaign	--	20.4	44.0	--	13.5	14.5

*Note.* The percentages of students who acknowledge no awareness of the campaign are slightly varied across questionnaire items.



## Tobacco Product Endorsements Among Youth

Students were asked in the 2004 ITYS, “Would you ever use or wear something that has a tobacco company name or picture on it such as a lighter, t-shirt, hat, or sunglasses?” About 79% of middle school students said probably not (31%) or definitely not (48%), and about 65% of high school students said probably (35%) or definitely (30%) not.

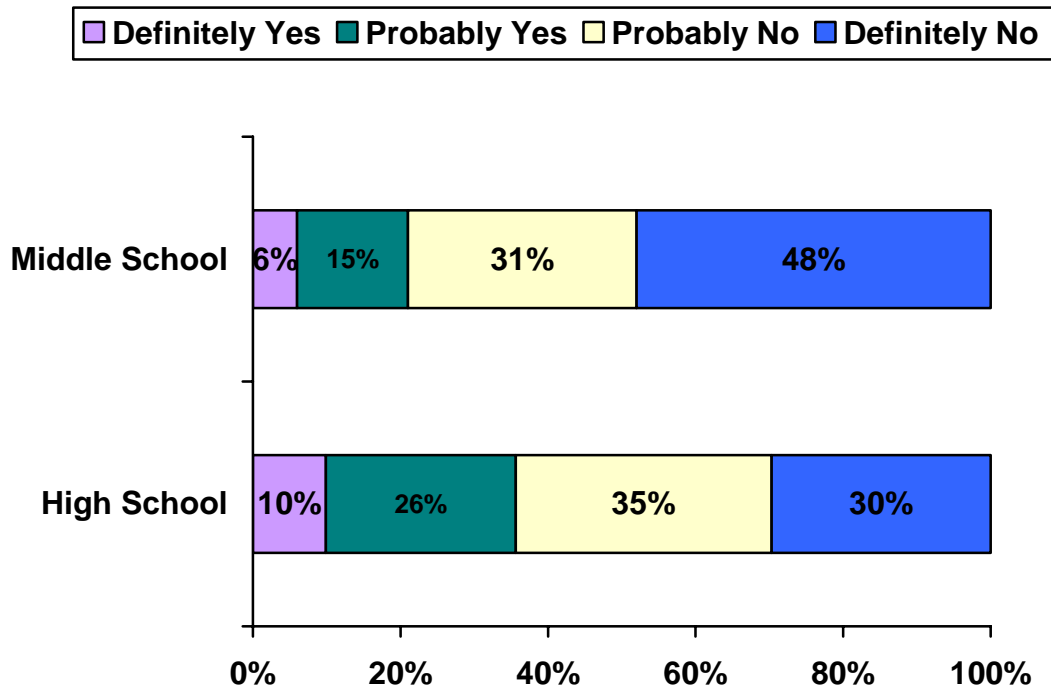


Figure 21. Likelihood of using or wearing a product with a tobacco company name on it (ITYS).

## PART 4 NON-SURVEY DATA SOURCES

### Overview of Non-Survey Data Sources

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**Iowa Tobacco Compliance Data.** There were 5,451 compliance checks completed during the 2005 Fiscal Year with a 90% compliance rate among Iowa retailers. For comparison, the compliance rate was 89% in both 2003 and 2004, 88% in 2002, and 82% in 2001.

**Quitline Iowa.** The number of callers to the Quitline increased from approximately 1,900 during the previous fiscal year to approximately 2,100 for the current fiscal year ending in June 2005. During the past four years, the majority of callers (about 60%) have been females over 18 years old.

**Number of Cigarette Packs Stamped.** The trend since 1998 has been for fewer packs of cigarettes to be stamped in Iowa. In 1998, there were approximately 267,800,000 packs of cigarette stamped, while in 2005 there were approximately 247,600,000 packs stamped.

**Cigarette Tax Rates.** As of January 2005, the state tax on a pack of cigarettes purchased in Iowa was 36 cents. Iowa has one of the lowest cigarette tax rates in the country (ranked 42<sup>nd</sup> in 2005). Moreover, the only border state with a tax rate lower than Iowa's rate was Missouri with a tax of 17 cents per pack.

## Iowa Tobacco Compliance Data

*There were 5,451 compliance checks completed by the end of the 2005 Fiscal Year with a 90% compliance rate among Iowa retailers. For comparison, the compliance rate was 89% for 2003 and 2004, 88% in 2002, and 82% in 2001.*

*The Healthy People 2010 Objectives by the Centers for Disease Control and Prevention sets a 95% compliance goal. There were only 22 counties in Iowa that meet or exceeded this 95% compliance goal.*

<b>Table 8</b>			
<b>Iowa Tobacco Sales Compliance</b>			
<b>Year</b>	<b>Number of Counties at or above 95% Compliance Goal</b>	<b>Percentage of Compliant Iowa Retailers</b>	<b>Change in Compliance from Previous Year</b>
<b>2001</b>	9	82%	+4%
<b>2002</b>	20	88%	+6%
<b>2003</b>	26	89%	+1%
<b>2004</b>	24	89%	0%
<b>2005</b>	22	90%	+1%

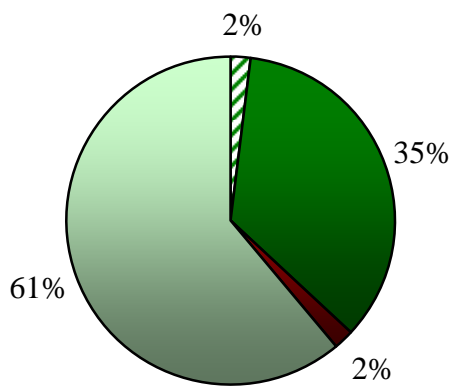
*Note.* The Iowa Alcoholic Beverages Division (IAABD) is responsible, in part, for enforcement of state and federal laws regulating the sale and use of tobacco products. The IAABD accomplishes its enforcement tasks through cooperation with state, county and local law enforcement agencies. These cooperating agencies aid the IAABD by conducting annual compliance checks at all tobacco retailers within their jurisdiction and reporting their findings to the IAABD. The IAABD maintains a list of compliant and non-compliant retailers on its website (located at <http://www.iowaabd.com/tobacco/index.jsp>).

## Quitline Iowa

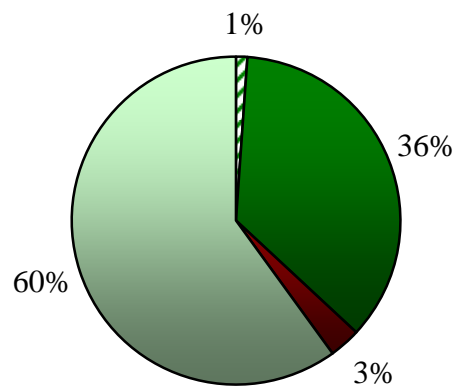
*Quitline Iowa is a toll-free telephone counseling hotline in Iowa that provides callers with information about the health consequences of tobacco use, assistance in cessation planning, and a system of continuous support through optional follow-up calling. Quitline Iowa also offers free cessation information materials, referral services to community resources, and specialized assistance to those who are teenagers, are pregnant, or when other special circumstances exist. The number of callers to the Quitline increased from approximately 1,900 during the previous fiscal year to approximately 2,100 for the current fiscal year ending in June 2005. During the past four years, the majority of callers (about 60%) have been females over 18 years old.*

<b>Table 10</b>			
<b>Quitline Calls by Gender and Age (%)</b>			
	<b>Male</b>	<b>Female</b>	<b>Total</b>
<b>2002</b>			
Under 18	2	2	4
18 or older	35	61	96
Total	37	63	1,912 Caller
<b>2003</b>			
Under 18	1	3	4
18 or older	37	60	96
Total	38	62	1,438 Callers
<b>2004</b>			
Under 18	1	2	3
18 or older	36	62	97
Total	37	63	1,924 Callers
<b>2005</b>			
Under 18	<1	1	2
18 or older	38	60	98
Total	38	62	2,134 Callers

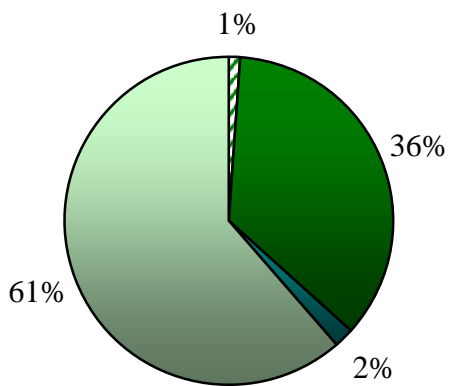
*Note.* Cases when gender and/or age were unknown were omitted from the percent tabulations.



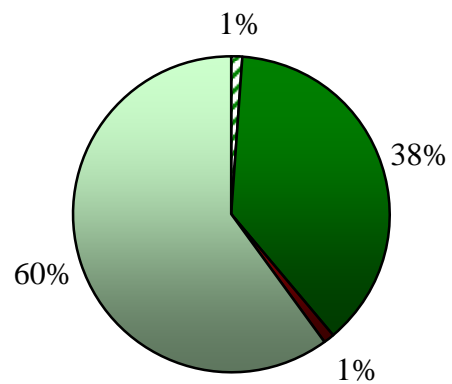
Male, Under 18  
 Male, 18 or Older  
 Female, Under 18  
 Female, 18 or Older  
**2002 Quitline Callers**



Male, Under 18  
 Male, 18 or Older  
 Female, Under 18  
 Female, 18 or Older  
**2003 Quitline Callers**



Male, Under 18  
 Male, 18 or Older  
 Female, Under 18  
 Female, 18 or Older  
**2004 Quitline Callers**

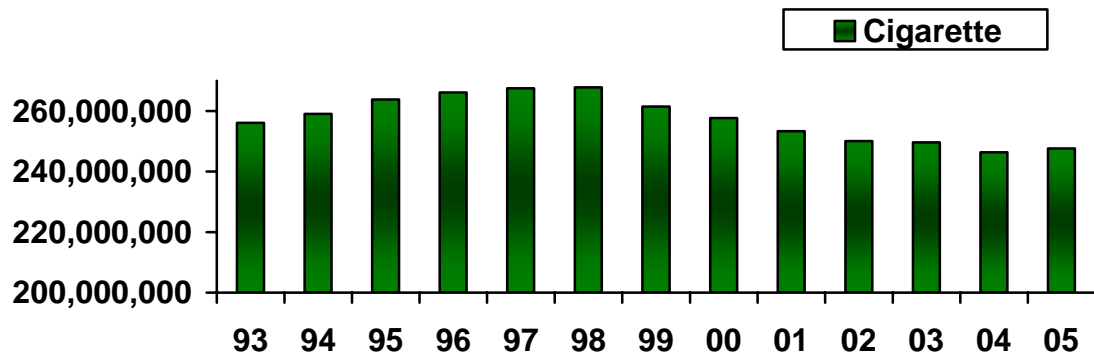


Male, Under 18  
 Male, 18 or Older  
 Female, Under 18  
 Female, 18 or Older  
**2005 Quitline Callers**

**Figure 22. Percent of callers to Quitline Iowa by gender and age group.**

## Cigarette Packs Stamped

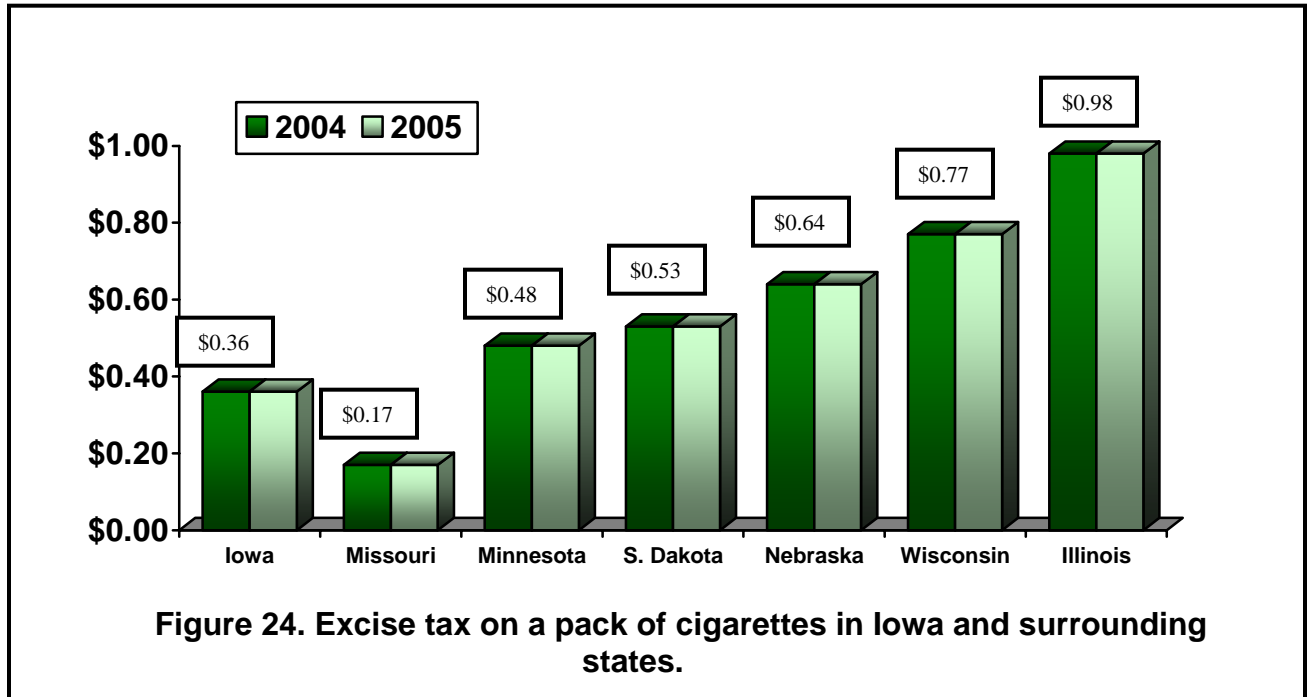
*Packs of cigarettes are stamped for tax revenue purposes. Since 1998, the trend has been for fewer packs of cigarettes to be stamped for sale in Iowa. In 1998, there were approximately 267,800,000 packs of cigarette stamped, while, in 2005 there were approximately 247,600,000 packs stamped.*



**Figure 23. Number of cigarette packs stamped in Iowa (1993 to 2005 fiscal years).**

## Cigarette Tax Rate

As of January 2005, the state tax on a pack of cigarettes purchased in Iowa was 36 cents. Iowa has one of the lowest cigarette tax rates in the country (ranked 42<sup>nd</sup> in 2005). Moreover, the only border state with a tax rate lower than Iowa's rate was Missouri with a tax of 17 cents per pack.



## PART 5 CONCLUSIONS

Multiple data sources were used to assess the extent to which the Iowa Tobacco Use Prevention and Control Program was making progress towards meeting four key goals in 2005. These data sources included results from several statewide surveys of adults, several surveys of Iowa youth, and non-survey data sources such as the number of calls to Quitline Iowa, compliance check data, and cigarette taxation information.

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### Goal 1

Prevent the initiation and establishment of tobacco use in nonsmokers,  
especially among children and young people.

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**Initiation.** The trend of declining prevalence of cigarette use since 2000 continued among both high school and middle school students based on the results of the 2004 IYTS. Approximately 47% of high school and 24% of middle school students reported ever smoking cigarettes. In contrast, the rates of ever smoking cigarettes were 63% and 39% among high school and middle school youth in 2000 (IYTS).

**Establishment of Use.** Current cigarette use was reported among 18% of high school and 6% of middle school students in 2004 as compared to 31% and 12% in 2000 (IYTS). In the 2004 IYTS, attempts to quit smoking during the 12 months prior to the survey were reported by 15% of high school and 7% of middle school students.

**Media Intervention.** When asked if in the 2004 IYTS, “Have you ever heard or seen anything at all about the anti-tobacco advertising campaign called ‘JEL’ (Just Eliminate Lies)?”, 85% of high school students said they knew about JEL in comparison to only 54% of middle school students. In 2004, the JEL campaign did “very well” in getting the anti-tobacco message to young people according to 20% of both middle and high school students (IYTS). The JEL did “OK” according to 36% of middle school students and 58% of high school students (IYTS). However, awareness of JEL has fallen dramatically among middle school students and in the most current data far fewer viewed the tobacco industry more negatively because of JEL.

**Conclusion.** The Iowa Tobacco Use Prevention and Control Program is making progress towards meeting Goal 1; however, the middle school students in 2004 showed considerable less awareness of the JEL media campaign.



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## Goal 2

Reduce the number of users of tobacco products.

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**Use Among Adults.** As is commonly believed, cigarettes were the most commonly used tobacco product among both adults and youth in Iowa. Based on data from the BRFSS, the percent of adult Iowans who had ever smoked 100 or more cigarettes in 1999 was 49% but down to 42% in 2004. Current cigarette use based on the BRFSS was 23% in 1999 and 21% in 2004. The 2004 ATS yielded similar estimates of 44% and 20% for ever and current cigarette use, respectively.

**Use Among Youth.** The trend of declining prevalence of cigarette use since 2000 continued among both high school and middle school students. Based on the results of the 2004 IYTS 47% of high school and 24% of middle school students reporting ever smoking cigarettes. The trend of declining prevalence of current cigarette use since 2000 continued among high school students based on the results of the 2004 IYTS with 18% of high school reporting that they currently smoked cigarettes as compared to 31% in 2000. The rate among middle school students was largely unchanged from 5% in 2001/2002 to 6% in 2004, both well below the 12% rate observed in 2000 (IYTS).

**Interventions.** Three of the many efforts aimed at reducing the number of Iowans using tobacco products involve media campaigns, health-care interventions, and Quitline Iowa. In the 2004 BRFSS, adult Iowans were asked how often they had seen anything on TV, heard anything on the radio, or seen any billboards against smoking: 46% said “a lot,” 36% said “sometimes,” 13% said “rarely,” 3% said “never,” and 2% were “not sure.” In this same 2004 BRFSS survey; only 58% of current smokers who saw a health care provider were advised to quit and 27% reported that on at least one visit the health care provider recommended or discussed medications such as nicotine gum, patch, nasal spray, inhaler, lozenge, or prescription medication such as Wellbutrin, Zyban or Bupropion to help them quit smoking. Likewise, 21% had a health care provider recommend or discuss methods or strategies other than medication to assist them in quitting smoking (BRFSS 2004). The number of callers to the Quitline increased from approximately 1,900 during the last fiscal year to approximately 2,100 for the current fiscal year ending in June 2005.

**Conclusion: The Iowa Tobacco Use Prevention and Control Program is making progress towards meeting Goal 2; however many users were not being advised or directed to quit by health care providers.**

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### Goal 3

Eliminate exposure to second-hand tobacco smoke.

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**Public Support.** The majority of adult Iowans support policies that prohibit smoking indoors at restaurants (60%) and at the workplace (77%) according to the most recent 2004 ATS.

**Smoking Policies.** In the 2004 ATS, the majority of adult Iowans reported they do not allow smoking in their homes (74%) or family cars (64%). The findings from both the 2004 BRFSS and 2004 ATS indicate that for more than three-fourths of those who work indoors smoking was not allowed in any work areas (86% BRFSS and 79% ATS) or in public or common areas (81% BRFSS and 77% ATS).

**Conclusion.** There continues to be high levels of public support for limiting exposure to second-hand smoke in indoor public places and in the workplace. Moreover, there appears to be a substantial percentage of people who have set personal rules prohibiting smoking in their homes and family cars. Also, most adults who work indoors for employers said there were policies restricting or prohibiting smoking in work and common areas. Taken together these findings suggest that Iowans are exposed to less second-hand tobacco smoke now than in previous decades.

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### Goal 4

Identify and eliminate disparities related to tobacco use among different population groups.

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**Assessment Issues.** The survey sources measuring tobacco use in Iowa generally have sample sizes ranging from 1000 to 5000 respondents drawn randomly from either the general adult population or from mostly quasi-random samples of students. Given that Iowa is about 94 percent white, these sample sizes and designs do not yield large numbers of non-whites. As a consequence, estimates for non-whites cannot be made with acceptable statistical confidence.

**Conclusion.** Goal 4 cannot be addressed with respect to race and ethnicity. Possible solutions include introducing minority strata into standard surveys, conducting special studies focused on minority groups, and implementing and assessing community-level interventions.

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## PART 6 APPENDIXES

### Appendix A: Data Sources

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Behavioral Risk Factor Surveillance System 2004 National Data Set  
Federal Tax Administrators, State Excise Tax Rates on Cigarettes 2005  
Iowa Adult Household State Treatment Needs Assessment Survey 1997 (AHS 1997)  
Iowa Adult Household State Treatment Needs Assessment Survey 2002 (AHS 2002)  
Iowa Behavioral Risk Factor Surveillance System 1998 (BRFSS 1998)  
Iowa Behavioral Risk Factor Surveillance System 1999 (BRFSS 1999)  
Iowa Behavioral Risk Factor Surveillance System 2000 (BRFSS 2000)  
Iowa Behavioral Risk Factor Surveillance System 2001 (BRFSS 2001)  
Iowa Behavioral Risk Factor Surveillance System 2002 (BRFSS 2002)  
Iowa Behavioral Risk Factor Surveillance System 2003 (BRFSS 2003)  
Iowa Behavioral Risk Factor Surveillance System 2004 (BRFSS 2004)  
Iowa Adult Tobacco Survey 2001 (ATS 2001)  
Iowa Adult Tobacco Survey 2002 (ATS 2002)  
Iowa Adult Tobacco Survey 2004 (ATS 2004)  
Iowa Alcoholic Beverages Division Tobacco Compliance Data 2002 (ITC 2002)  
Iowa Alcoholic Beverages Division Tobacco Compliance Data 2003 (ITC 2003)  
Iowa Alcoholic Beverages Division Tobacco Compliance Data 2004 (ITC 2004)  
Iowa Alcoholic Beverages Division Tobacco Compliance Data 2005 (ITC 2005)  
Iowa Department of Revenue, Fiscal Years 1993-2005, Cigarette Packs Stamped  
Iowa Tobacco Compliance Data, 2004 Fiscal Year End Report (ITCD 2004)  
Iowa Youth Tobacco Survey 2000 (IYTS 2000)  
Iowa Youth Tobacco Survey 2001/2002 (IYTS 2001/2002)  
Iowa Youth Tobacco Survey 2004 (IYTS 2004)  
Iowa Youth Survey 1999 (IYS 1999)  
Iowa Youth Survey 2002 (IYS 2002)  
Quitline Iowa 2002 (Quitline 2002)  
Quitline Iowa 2003 (Quitline 2003)  
Quitline Iowa 2004 (Quitline 2004)  
Quitline Iowa 2005 (Quitline 2005)

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## Appendix B: Adult Data Sources

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*Note.* Acronyms used in Appendix B are defined in Appendix A. The percentages reported in the appendices typically were based on a denominator comprised of the total sample. Thus, the percentages for many items will not sum to 100 percent because values for “Don’t Know/Unsure,” “Refused/No Answer,” and “Not Asked” are not usually displayed in the tables. To facilitate examination of estimates across surveys and years, responses given for questions tapping similar concepts are often shown in a single row. When the questions were sufficiently different, multiple questions were listed with the source shown parenthetically. When question wording was very similar, this practice was not followed to decrease congestion in the table. Thus, some item wordings are approximate and removed from the context of the question order used in the actual questionnaires. To provide contextual cues, in a few cases there is parenthetical information denoting which subgroup was asked the question. If exact question wording is desired, one should refer to the original source questionnaire.

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**Table of Adult Tobacco Findings**

	<b>AHS 1997</b>	<b>AHS 2002</b>	<b>BRFSS 1998</b>	<b>BRFSS 1999</b>	<b>BRFSS 2000</b>	<b>BRFSS 2001</b>	<b>BRFSS 2002</b>	<b>BRFSS 2003</b>	<b>BRFSS 2004</b>	<b>ATS 2002</b>	<b>ATS 2004</b>
<b>General Tobacco:</b>											
<b>Have you ever used any tobacco product 100+ times in your lifetime? (% yes)</b>	49.3										
<b>At what age did you first use tobacco?</b>											
17 or younger	29.0										
18 or older	20.0										
<b>When did you most recently use a tobacco product? Was it...</b>											
Within the last 7 days	25.5										
Within the last 30 days	1.3										
Within the last 6 months	1.1										
Within the last 12 months	0.8										
Within the last 18 months	0.6										
More than 18 months ago	20.0										
<b>Have you ever found that because of your smoking or chewing, you had to greatly reduce or give up physical activities at work or home, playing sports, or associating with certain relatives and friends? (% yes)</b>	9.2										
<b>Have you ever had any physical or mental health problems that have been caused or made worse by your use of tobacco? (% yes)</b>	7.0										
<b>Did you continue to use tobacco for a month or more after you realized it was causing these physical or mental problems? (% yes)</b>	5.4										



	AHS 1997	AHS 2002	BRFSS 1998	BRFSS 1999	BRFSS 2000	BRFSS 2001	BRFSS 2002	BRFSS 2003	BRFSS 2004	ATS 2002	ATS 2004
<b>General Tobacco:</b>											
You said that you have tried to quit your tobacco use more than once, you continued using tobacco despite knowing that you have health problems, and that you have greatly given up certain physical activities or associating with certain relatives and friends. Were all three of these experiences ever occurring within the same 12-month period? (% yes)	1.4										
When was the last time these were occurring together? Would you say...											
Within the last 12 months	0.8										
Within the last 2 years	0.1										
Within the last 5 years	0.1										
Within the last 10 years, or	0.1										
Longer than 10 years ago	0.2										
In the past 30 days has anyone, including yourself, smoked cigarettes, cigars, or pipes anywhere inside your home? (% yes)			32.5	28.8	27.1						
Which statement best describes the rules about smoking inside your home? (it is not allowed anywhere inside your home, it is not allowed in some places or at some times, it is allowed anywhere inside the home, there are no rules)											
Smoking is not allowed anywhere inside your home							62.9	68.6	70.4		72.9
Smoking is allowed in some places or at some times							10.6	10.0	9.8		12.5
Smoking is allowed anywhere inside the home							3.9	3.1	3.1		13.7
There are no rules about smoking inside the home							18.7	18.1	16.6		--

	AHS 1997	AHS 2002	BRFSS 1998	BRFSS 1999	BRFSS 2000	BRFSS 2001	BRFSS 2002	BRFSS 2003	BRFSS 2004	ATS 2002	ATS 2004
<b>Cigarettes:</b>											
<b>Have you ever smoked part or all of a cigarette? (% yes)</b>		64.2									
<b>Have you smoked at least 100 cigarettes in your entire life? (% yes)</b>		45.0	47.0	48.0	46.3	46.7	46.5	46.1	42.2	48.7	43.6
<b>How old were you the first time you smoked part or all of cigarette? (AHS 2002)</b> <b>At what age did you first smoke? (BRFSS 1998)</b> <b>How old were you the first time you smoked a cigarette, even one or two puffs? (BRFSS 2002)</b>											
Never smoked 100+ cigarettes		55.0									
17 years old or younger		29.7	26.9				31.4	32.1			
18 years old or older		14.7	19.4				13.2	12.2			
<b>How old were you when you first started smoking cigarettes regularly?</b>											
17 years old or younger							18.4	17.9			22.7
18 years old or older							26.2	26.4			19.5
<b>How long has it been since you last smoked part or all of a cigarette?</b>											
Within the past 30 days		22.1									20.3
More than 30 days ago but within the past 12 months		2.5									1.6
More than 12 months ago		20.4									21.6
<b>Have you smoked cigarettes in the last 30 days? (% yes)</b>	23.5										20.3

	AHS 1997	AHS 2002	BRFSS 1998	BRFSS 1999	BRFSS 2000	BRFSS 2001	BRFSS 2002	BRFSS 2003	BRFSS 2004	ATS 2002	ATS 2004
<b>Cigarettes</b>											
<b>Do you now smoke cigarettes everyday, some days, or not at all?</b>											
Everyday			18.3	18.9	18.3	17.0	18.8	15.9	38.5	20.2	15.1
Some days			5.1	4.5	4.9	5.1	4.3	4.4	10.9	4.1	5.0
Not at all			23.6	24.6	23.1	24.6	23.4	28.5	50.6	75.5*	23.5
<b>During the last 30 days, on how many days did you smoke part or all of a cigarette?</b>											
1-14 days		1.7								1.6	3.1
15-29 days		1.7								2.5	1.8
Everyday (30 days)		18.5								19.5	15.4
<b>Think about the last 30 days. On the days that you did smoke, what was the average number of cigarettes you smoked per day? (ATS2002) On average, on days when you smoked during the past 30 days, about how many cigarettes did you smoke a day? (ATS2004, Actual Number) On the average, about how many cigarettes a day do you now smoke? (BRFSS) How many cigarettes do smoke per day? (AHS 1997) During the past 30 days, how many cigarettes did you smoke per day, on average? (BRFSS 1998, AHS)</b>											
About 2 packs or more a day (36+)	1.6	1.6	1.7	1.1	1.3					1.1	0.9
About 1 ½ packs a day (26-35)	2.1	2.1	2.0	1.9	1.3					1.7	1.4
About 1 pack a day (16-25)	8.8	7.8	8.6	8.3	7.6					8.1	6.7
About ½ pack a day (6-15)	7.7	6.6	5.3	6.5	6.8					8.5	5.6
2 to 5 cigarettes per day	1.9	2.9	0.6	1.1	0.8					3.4	0.4
1 cigarette per day	0.3	0.6	0	0	0					0.3	0
Less than one cigarette per day	1.0	0.4	0	0	0					--	0

\*estimate includes non-smokers (ATS 2002)

	AHS 1997	AHS 2002	BRFSS 1998	BRFSS 1999	BRFSS 2000	BRFSS 2001	BRFSS 2002	BRFSS 2003	BRFSS 2004	ATS 2002	ATS 2004
<b>Cigarettes</b>											
<b>About how long has it been since you last smoked cigarettes regularly, that is, daily? (Asked of Former Smokers)</b>											
Within the past month (0 to 1 month ago)			0.5	0.5	0.4	0.4	0.6	0.6			0.2
Within the past 3 months (1 to 3 months ago)			0.5	0.3	0.6	0.4	0.3	0.2			0.7
Within the past 6 months (3 to 6 months)			0.4	0.5	0.5	0.4	0.3	0.5			0.3
Within the past year (6 to 12 months ago?)			0.7	1.0	0.9	0.9	0.8	0.5			0.6
Within the past 5 years (1 to 5 years ago)			3.8	3.6	4.1	3.2	3.2	3.6			3.8
Within the past 15 years (5 to 15 years ago—BRFSS 1998, 1999, 2000)/ Within the past 10 years (5 to 10 years ago—BRFSS 2001 & 2002)			6.8	7.5	5.4	2.5	1.7	2.6			2.5
15 or more years ago (BRFSS 1998, 1999, 2000) 10 or more years ago (BRFSS 2001 & 2002)			10.5	10.5	10.6	15.0	13.4	14.0			15.3
Never smoked regularly (BRFSS 1998, 1999, 2000)			0.3	0.6	0.5	--	--	--	--		--
<b>During the 30 days when you last smoked, on how many days did you smoke part or all of a cigarette? (Excludes Current Smokers)</b>											
1-14 days		3.4									
15-29 days		1.2									
Everyday (30 days)		16.0									

	AHS 1997	AHS 2002	BRFSS 1998	BRFSS 1999	BRFSS 2000	BRFSS 2001	BRFSS 2002	BRFSS 2003	BRFSS 2004	ATS 2002	ATS 2004
<b>Cigarettes</b>											
Have you ever felt dependent on or addicted to cigarettes? (% yes)	28.4										
Have you ever felt hooked, dependent on, or addicted to cigarettes? (% yes)		31.7									
Was that [felt hooked] during the past 12 months? (% yes)		18.4									
Have you ever seriously tried to quit? (% yes)	37.4										15.5
How many times have you seriously tried to quit?											
1-5 times	32.4										
6-10 times	2.5										
11 or more times	1.2										
When did you most recently try to quit? Was it in the last...											
w/ in last day	0.7										
w/ in last Week	0.3										
w/ in last month	1.7										
w/ in last year	6.6										
Over one year	28.0										
When was the last time you tried to quit smoking? Was it..?(ATS2002)											
Within the last 6 months										6.2	
Within the last 12 months										2.7	
Within the last 2 years										3.6	
Within the last 5 years										4.0	
Never tried to quit										5.8	

	AHS 1997	AHS 2002	BRFSS 1998	BRFSS 1999	BRFSS 2000	BRFSS 2001	BRFSS 2002	BRFSS 2003	BRFSS 2004	ATS 2002	ATS 2004
<b>Cigarettes</b>											
Have you ever seriously tried to quit smoking cigarettes? (% yes)		37.9									
How many times have you seriously tried to quit, but were unable to do so?											
None		8.9									
1-5 times		22.4									
6-10 times		2.9									
11 or more times		2.3									
Were any of these times [tried to quit but couldn't] during the past 12 months? (% yes)		8.9									
During the past 12 months, have you quit smoking for 1 day or longer? (% yes)			8.0	9.8	8.9	11.3	11.9	10.9	49.16		8.5
Would you like to quit smoking cigarettes? (% yes)										17.0	16.1
Has a doctor or other health professional ever advised you to quit smoking? (% yes)										16.0	
In the past 12 months, has a doctor, nurse, or other health professional advised you to quit smoking? (% yes)						11.0		9.3			6.3
Has a doctor ever asked you if you are a smoker? (% yes)										21.3	
In the past 12 months, has a doctor, nurse, or other health professional asked if you are a smoker? (% yes)											42.1

	AHS 1997	AHS 2002	BRFSS 1998	BRFSS 1999	BRFSS 2000	BRFSS 2001	BRFSS 2002	BRFSS 2003	ATS 2002	ATS 2004
<b>Cigarettes</b>										
<b>When you tried to quit the last time, did you use any of the following? How about ...</b>										
Nicotine patch (% yes)									3.0	
Nicotine gum (% yes)									2.0	
Some other medication (% yes)									2.2	
Smoking cessation classes (% yes)									0.5	
Professional medical counseling services (% yes)									0.6	
<b>The last time you tried to quit smoking, did you use the nicotine patch, nicotine gum, or any other medication? (% yes)</b>										2.3
<b>The last time you tried to quit smoking, did you use any other assistance such as classes or counseling? (% yes)</b>										0.2
<b>Within 24 hours of not smoking or smoking fewer cigarettes than usual have you ever... (% yes)</b>		7.8								
felt sad or depressed?										
had trouble falling or staying asleep?		6.9								
felt irritable, frustrated, or angry?		23.2								
felt anxious?		20.3								
had difficult concentrating?		11.0								
felt restless?		20.1								
noticed a decrease in heart rate?		3.2								
had an increased appetite or gained weight?		19.9								
Did at least 4 of these ever occur within the same 24-hour period?		11.5								
Was this period during the past 12 months?		5.3								

	<b>AHS 1997</b>	<b>AHS 2002</b>	<b>BRFSS 1998</b>	<b>BRFSS 1999</b>	<b>BRFSS 2000</b>	<b>BRFSS 2001</b>	<b>BRFSS 2002</b>	<b>BRFSS 2003</b>	<b>ATS 2002</b>	<b>ATS 2004</b>
<b>Cigarettes</b>										
Did smoking ever cause you considerable problems with your family, friends, on the job, or in other important areas of your life? (% yes)		8.4								
Was that [family problems] during the past 12 months? (% yes)		3.7								
Have you ever found that because of smoking, you had to greatly reduce or give up physical activities at work or home, playing sports, or associating with certain relatives or friends? (% yes)		9.7								
Was that [reduced activities] during the past 12 months? (% yes)		4.7								
Have you ever had any physical or mental health problems that have been caused/made worse by your use of cigarettes? (% yes)		6.2								
Was that [health problem] during the past 12 months? (% yes)		2.5								
Have you often used up your supply of cigarettes faster than you intended to? (% yes)		22.8								
Was that [used supply] during the past 12 months? (% yes)		12.6								
Have you ever spent a lot of time obtaining or using cigarettes, such as chain-smoking? (% yes)		10.0								
Was that [chain smoking] during the past 12 months? (% yes)		5.1								
Have you sometimes felt ill such as nauseous or dizzy when you had been smoking a large number of cigarettes? (% no)		25.8								



	AHS 1997	AHS 2002	BRFSS 1998	BRFSS 1999	BRFSS 2000	BRFSS 2001	BRFSS 2002	BRFSS 2003	ATS 2002	ATS 2004
<b>Cigarettes</b>										
Do you usually smoke a cigarette within 30 minutes of getting up in the morning? (% yes)	15.2									
Would you say that during the past 30 days, you usually smoke a cigarette within 30 minutes of getting up in the morning? (% yes)		15.6								
How soon after you wake up do you have your first cigarette?										
Within 5 minutes										4.4
6-30 minutes										5.3
31-60 minutes										2.3
After 60 minutes										8.0

	AHS 1997	AHS 2002	BRFSS 1998	BRFSS 1999	BRFSS 2000	BRFSS 2001	BRFSS 2002	BRFSS 2003	ATS 2002	ATS 2004
<b>Tobacco Products Other Than Cigarettes [Smokeless Tobacco]:</b>										
<b>Have you ever, even once used chewing tobacco or snuff? (AHS 2002) Have you ever used or tried any smokeless tobacco products such as chewing tobacco or snuff? (% yes)</b>		21.8				16.0	19.0			20.0
<b>Have you ever used or tried any smokeless tobacco products such as chewing tobacco or snuff?</b>										
Yes, chewing tobacco					13.0					
Yes, snuff					1.9					
Yes, both					4.8					
No, neither					78.0					
<b>In the past 12 months, did you even once use chewing tobacco or snuff? (% yes)</b>		5.4								
<b>During the past 12 months, on how many days during an average month did you use chewing tobacco or snuff?</b>										
1-14 days		2.0								
15-29 days		0.7								
Everyday (30 days)		2.2								
<b>During the past thirty days, on how many days did you use chewing tobacco or snuff?</b>										
1-14 Days									1.9	
15-29 days									0.1	
Every day 30 days									2.5	
<b>Do you currently use any smokeless tobacco products such as chewing tobacco or snuff?</b>										
Yes, chewing tobacco					2.4	1.8				
Yes, snuff					0.5	0.7				
Yes, both					0	0.3				
No, neither					16.7	13.1				

	AHS 1997	AHS 2002	BRFSS 1998	BRFSS 1999	BRFSS 2000	BRFSS 2001	BRFSS 2002	BRFSS 2003	ATS 2002	ATS 2004
<b>Tobacco Products Other Than Cigarettes [Smokeless Tobacco]:</b>										
<b>Do you currently use chewing tobacco or snuff every day, some days, or not at all?</b>										
Everyday							2.6			2.0
Some days							1.4			1.3
Not at all							15.1			16.6

	AHS 1997	AHS 2002	BRFSS 1998	BRFSS 1999	BRFSS 2000	BRFSS 2001	BRFSS 2002	BRFSS 2003	ATS 2002	ATS 2004
<b>Tobacco Products Other Than Cigarettes [Cigars]:</b>										
<b>Have you ever, even once smoked part or all of any type of cigar? (AHS 2002) Have you ever smoked a cigar, even just a few puffs? (% yes)</b>		37.5	44.4			41.3	44.8			46.6
<b>In the past 12 months, did you even once smoke part or all of any type of cigar? (% yes)</b>		8.7								
<b>When was the last time you smoked a cigar?</b>										
Within the past month (0 to 1 month ago)			5.2							
Within the past 3 months (1 to 3 months ago)			3.0							
Within the past 6 months (3 to 6 months ago)			2.4							
Within the past year (6 to 12 months ago)			4.4							
Within the past 5 years (1 to 5 years ago)			8.7							
Within the past 15 years (5 to 15 years ago)			6.0							
15 or more years ago			13.8							
<b>In the past month, did you smoke cigars:</b>										
Everyday			0.3							
Several times per week			0.2							
Once per week			0.4							
Less than once per week			4.3							
<b>Do you now smoke cigars every day, some days, or not at all?</b>										
Everyday						0.3	0.2			0.1
Some days						3.9	5.1			4.9
Not at all						37.1	39.5			41.6

	AHS 1997	AHS 2002	BRFSS 1998	BRFSS 1999	BRFSS 2000	BRFSS 2001	BRFSS 2002	BRFSS 2003	ATS 2002	ATS 2004
<b>Tobacco Products Other Than Cigarettes [Cigars]:</b>										
<b>During the past 12 months, on how many days during an average month did you smoke part/all of any type of cigar?</b>										
1-14 days		6.1								
15-29 days		0.2								
Everyday (30 days)		0.2								
<b>During the past thirty days, on how many days did you smoke a cigar?</b>										
1-14 days									4.1	
15-29 days									0.1	
Every day 30 days									0.7	

	AHS 1997	AHS 2002	BRFSS 1998	BRFSS 1999	BRFSS 2000	BRFSS 2001	BRFSS 2002	BRFSS 2003	ATS 2002	ATS 2004
<b>Tobacco Products Other Than Cigarettes [Pipe]:</b>										
Have you ever, even once smoked tobacco in a pipe? (% yes)		19.0				19.2	19.9			22.0
In the past 12 months, did you even once smoke tobacco in a pipe? % yes)		1.0								
Do you now smoke a pipe every day, some days, or not at all?										
Everyday						0.3	0.3			0.1
Some days						0.6	0.4			1.0
Not at all						18.4	19.2			20.9
During the past 12 months, on how many days during an average month did you smoke tobacco in a pipe?										
1-14 days		0.5								
15-29 days		0.1								
Everyday (30 days)		0.2								
During the past thirty days, on how many days did you smoke tobacco in a pipe?										
None									99.0	
1-14 days									0.8	
Every day 30 days									0.2	

	AHS 1997	AHS 2002	BRFSS 1998	BRFSS 1999	BRFSS 2000	BRFSS 2001	BRFSS 2002	BRFSS 2003	ATS 2002	ATS 2004
<b>Tobacco Products Other Than Cigarettes [Miscellaneous]:</b>										
Have you used some other type of tobacco product other than cigarettes in the last 30 days? (% yes)	4.9									
What specific type of product have you been using? Is it...										
Cigars	2.2									
Pipe tobacco	0.3									
Smokeless tobacco	2.8									
Have you ever tried to quit your use of this product?(% yes)	2.1									
How many times?										
1-5 times	32.4									
6-10 times	2.5									
11 or more times	1.2									
Have you ever felt dependent on this type of tobacco use? (% yes)	1.7									
Have you ever felt hooked, dependent on, or addicted to tobacco products other than cigarettes? (% yes)		3.8								
Was that during the past 12 months? (% yes)		2.0								
Have you ever smoked a bidi, even 1 or 2 puffs? (% yes)							2.9			
Do you now smoke bidis every day, some days, or not at all?										
Everyday							0			
Some days							0.1			
Not at all							2.8			

	AHS 1997	AHS 2002	BRFSS 1998	BRFSS 1999	BRFSS 2000	BRFSS 2001	BRFSS 2002	BRFSS 2003	BRFSS 2004	ATS 2002	ATS 2004
<b>Smoking Policies, Attitudes, Advertisements:</b>											
<b>Which of the following best describes your place of work's official smoking policy for indoor public or common areas, such as lobbies, rest rooms, and lunchrooms?</b>											
Not allowed in any public areas			35.2	38.5	39.0	37.3	40.7	38.6	80.7		43.8
Allowed in some public areas			8.5	8.2	8.0	8.1	7.0	7.5	12.1		7.7
Allowed in all public areas			2.2	1.5	1.4	1.2	1.3	1.5	2.4		0.8
No official policy			3.9	2.8	3.4	3.3	2.1	2.3	4.3		4.4
<b>Does your workplace have an official policy that restricts smoking in any way? (% yes)</b>											
										45.3	
<b>Which of the following best describes your place of work's official smoking policy for work areas?</b>											
Not allowed in any work areas			40.9	42.7	43.3		44.7	44.1	86.0	38.8	45.5
Allowed in some work areas			3.5	4.8	4.1		3.1	2.9	7.1	5.6	7.5
Allowed in all work areas			2.0	1.2	1.4		1.2	1.3	2.6	1.0	0.9
No official policy			3.2	2.4	3.1		2.0	1.5	3.8	--	3.7



	AHS 1997	AHS 2002	BRFSS 1998	BRFSS 1999	BRFSS 2000	BRFSS 2001	BRFSS 2002	BRFSS 2003	ATS 2002	ATS 2004
<b>Smoking Policies, Attitudes, Advertisements:</b>										
<b>In the following locations, do you think that smoking should be allowed in all areas, some areas, or not allowed at all</b>										
<b>...Restaurants? Indoor dining areas of restaurants? (ATS 2004)</b>										
All areas			2.7	2.0	2.4					0.9
Some areas			42.5	40.5	40.2					38.4
Not allowed			50.7	53.0	53.2					59.6
<b>...Bars and cocktail lounges?</b>										
All areas										19.1
Some areas										49.7
Not allowed										24.9
<b>...Indoor shopping malls?</b>										
All areas										0.7
Some areas										26.6
Not allowed										72.2
<b>...Indoor sporting events and concerts?</b>										
All areas										1.4
Some areas										21.8
Not allowed										75.0
<b>...Public buildings?</b>										
All areas										0.5
Some areas										32.2
Not allowed										65.5
<b>...Schools?</b>										
All areas			0.2	0.5	0.1					
Some areas			5.4	3.7	3.0					
Not allowed			91.4	92.1	94.3					

	AHS 1997	AHS 2002	BRFSS 1998	BRFSS 1999	BRFSS 2000	BRFSS 2001	BRFSS 2002	BRFSS 2003	ATS 2002	ATS 2004
<b>Smoking Policies, Attitudes, Advertisements:</b>										
<b>...Day care centers?</b>										
All areas			0.1	0.2	0.1					
Some areas			3.2	2.3	2.0					
Not allowed			93.6	93.7	95.3					
<b>...Indoor work areas?</b>										
All areas			1.0	0.8	0.6					1.0
Some areas			27.1	23.8	21.9					21.9
Not allowed			67.4	70.7	73.3					75.3
<b>Smoking in outdoor public areas should NOT be allowed.</b>										
Strongly disagree									17.7	13.8
Disagree									39.2	52.2
Agree									23.1	22.2
Strongly agree									17.0	7.0
<b>Would you visit casinos more often if they were smoke-free? (% yes)</b>									22.0	14.6
<b>Have you been to a bar in the last six months? (% yes)</b>									53.1	
<b>In the past year, did you avoid going to a bar because smoking was allowed? (% yes)</b>									19.7	

	AHS 1997	AHS 2002	BRFSS 1998	BRFSS 1999	BRFSS 2000	BRFSS 2001	BRFSS 2002	BRFSS 2003	ATS 2002	ATS 2004
<b>Smoking Policies, Attitudes, Advertisements:</b>										
<b>How do you feel about ...smoking not being allowed in all indoor restaurants?</b>										
Strongly disagree									11.0	
Disagree									16.3	
Agree									22.1	
Strongly agree									49.5	
<b>...smoking not being allowed in bars?</b>										
Strongly disagree									21.0	
Disagree									30.6	
Agree									25.2	
Strongly agree									17.3	
<b>...smoking not being allowed on any school grounds, including high schools/college campuses?</b>										
Strongly disagree									4.9	
Disagree									11.1	
Agree									25.4	
Strongly agree									57.3	
<b>Tobacco use by adults should NOT be allowed on school grounds or at any school events.</b>										
Strongly disagree										48.4
Disagree										41.8
Agree										6.4
Strongly agree										0.8
<b>Do you think that billboards that advertise tobacco products should be allowed near places frequented by children, such as schools, playgrounds, and churches? (% yes)</b>			11.2							

	AHS 1997	AHS 2002	BRFSS 1998	BRFSS 1999	BRFSS 2000	BRFSS 2001	BRFSS 2002	BRFSS 2003	ATS 2002	ATS 2004
<b>Smoking Policies, Attitudes, Advertisements:</b>										
<b>How often have you seen anything on TV, heard anything on the radio or seen any billboards against smoking? Would you say...</b>										
A lot							51.8	53.8		
Sometimes							27.2	29.5		
Rarely							12.6	12.5		
Never							3.5	2.6		
<b>Now I would like to know if you have heard or seen anything at all about the anti-tobacco advertising campaign called “Just Eliminate Lies”, JEL? (% yes)</b>							52.2	55.2		
<b>How well informed do you think you are about the JEL campaign? Would you say...</b>										
Very informed							12.8	12.0		
Somewhat informed							27.7	29.0		
Not very informed							9.5	9.4		
Not at all informed							2.0	1.9		
<b>How much do you think you like the JEL campaign? Would you say...</b>										
Strongly like it							12.4	12.4		
Like it							26.7	27.3		
Dislike it							4.2	3.5		
Strongly dislike it							1.8	1.3		
<b>Have you ever seen or heard the slogan “Just eliminate lies or JEL” used in any anti-smoking advertising? (% yes)</b>								53.3	52.0	47.6

	AHS 1997	AHS 2002	BRFS S 1998	BRFS S 1999	BRFS S 2000	BRFS S 2001	BRFSS 2002	BRFSS 2003	ATS 2002	ATS 2004
<b>Smoking Policies, Attitudes, Advertisements:</b>										
<b>Not including yourself, how many members of your household currently smoke? (ATS 2002) Not including yourself, how many of the adults who live in your household smoke cigarettes, cigars, or pipes? (ATS 2004)</b>										
None									76.8	63.8
1-2 household members/adults									20.6	19.1
3-5 household members/adults									2.5	1.1
6 or more household members/adults									0.0	0.0
<b>During the past seven days, when you were at home, how many days were you exposed to other family members' or visitors' tobacco smoke? (ATS 2002) During the past seven days, on how many days did anyone smoke cigarettes, cigars, or pipes anywhere inside your home? (ATS 2004)</b>										
None									72.5	80.1
1-3 days									9.6	3.0
4-6 days									2.9	1.4
7 days									14.3	14.3
<b>During the past seven days, when you were at work, how many days were you exposed to other people's tobacco smoke?</b>										
None									40.7	
1-3 days									3.6	
4-6 days									4.2	
Every day 7 days									6.3	
<b>As far as you know, in the past seven days, that is since [date fill], has anyone smoked in your work area? (% yes)</b>										
										7.7
<b>How strongly do you agree or disagree with the following statement: "People should be protected from second-hand smoke"?</b>										
Strongly disagree									4.6	1.1
Disagree									7.4	6.4
Agree									27.2	54.5
Strongly agree									59.4	33.7

	AHS 1997	AHS 2002	BRFSS 1998	BRFSS 1999	BRFSS 2000	BRFSS 2001	BRFSS 2002	BRFSS 2003	BRFSS 2004	ATS 2002	ATS 2004
<b>Smoking Policies, Attitudes, Advertisements:</b>											
<b>Which statement best describes rules about smoking inside your home?</b>											
Smoking is not allowed anywhere inside your home								68.6	70.4	59.4	72.9
Smoking is allowed in some places and at some times								10.0	9.8	12.3	12.5
Smoking is allowed anywhere inside the home								3.1	3.1	3.8	13.7
There are no rules about smoking inside the home								18.1	16.6	24.1	--
<b>What are the rules about smoking in your family cars? Would you say...</b>											
Smoking is never allowed in any car										54.2	62.3
Smoking is allowed sometimes in some cars										17.8	13.0
Smoking is allowed in your car										--	6.1
There are no rules about smoking in the car										26.3	16.2
Do not have a car										--	0.9

	AHS 1997	AHS 2002	BRFSS 1998	BRFSS 1999	BRFSS 2000	BRFSS 2001	BRFSS 2002	BRFSS 2003	ATS 2002	ATS 2004
<b>Smoking Policies, Attitudes, Advertisements:</b>										
<b>How much additional tax on a pack of cigarettes would you be willing to support if some or all of the money raised was used to support tobacco control programs?</b>										
More than \$2 a pack										16.1
\$2 a pack										9.4
\$1 but less than \$2 a pack										13.5
50 to 99 cents a pack										8.3
Less than 50 cents a pack										8.4
No tax increase										24.7
Don't know										15.7
No Response										3.9
<b>Would you favor or oppose a \$1 per pack increase in the state tobacco tax as part of an effort to reduce tobacco use, particularly among kids?</b>										
Strongly oppose									17.0	
Oppose									18.1	
Favor									23.0	
Strongly favor									39.5	

## Appendix C: Youth Data Sources

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*Note.* Acronyms used in Appendix C are defined in Appendix A. The percentages reported in the appendices typically were based on a denominator comprised of the total sample. Thus, the percentages for many items will not sum to 100 percent because values for “Don’t Know/Unsure,” “Refused/No Answer,” and “Not Asked” are not usually displayed in the tables. To facilitate examination of estimates across surveys and years, responses given for questions tapping similar concepts are often shown in a single row. When the questions were sufficiently different, multiple questions were listed with the source shown parenthetically. When question wording was very similar, this practice was not followed to decrease congestion in the table. Thus, some item wordings are approximate and removed from the context of the question order used in the actual questionnaires. To provide contextual cues, in a few cases there is parenthetical information denoting which subgroup was asked the question. If exact question wording is desired, one should refer to the original source questionnaire.



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## Youth Tobacco Findings

	IYS 1999	IYS 2002	IYTS 2000	IYTS 2001/2002		IYTS 2004		
			High School	Middle School	High School	High School	Middle School	
<b>General Tobacco:</b>								
<b>Summary of ever and current substance use prevalence rates. Tobacco use: any tobacco</b>								
Current	20.0	14.0						
Ever	33.0	24.0						
<b>Cigarettes:</b>								
<b>Have you ever tried cigarette smoking, even one or two puffs?</b>								
Yes			63.4	28.7	60.2	47.2	24.1	
No			36.6	71.3	39.8	52.8	75.9	
<b>Summary of ever and current substance use prevalence rates. Tobacco use: cigarettes</b>								
Current	18.0	12.0						
Ever	31.0	22.0						
<b>How old were you (if ever) when you smoked a whole cigarette for the first time?</b>								
Never	70.0	78.0	46.3	81.1	51.3	64.4	86.6	
8 or younger	4.0	3.0	3.8	4.0	3.2	3.6	2.4	
9 or 10	5.0	4.0	6.2	4.3	4.8	4.4	2.8	
11 or 12	9.0	6.0	11.7	7.1	9.7	6.5	5.1	
13 or 14	8.0	5.0	18.7	3.5	18.1	11.7	3.0	
15 or 16	4.0	3.0	11.2	0.1	10.8	7.8	.1	
17 or older	0	0	2.0	0.0	2.3	1.7	--	
<b>About how many cigarettes have you smoked in your entire life?</b>								
None			41.0	74.6	43.0	56.9	80.5	
1 or more puffs but never a whole cigarette			7.5	10.4	9.9	8.6	7.9	
1 cigarette			1.0	2.2	2.3	1.9	1.5	
2 to 5 cigarettes			10.5	4.5	9.2	5.9	3.4	
6 to 15 cigarettes (about ½ a pack total)			5.6	2.3	5.4	4.1	2.1	
16 to 25 cigarettes (about 1 pack total)			4.3	1.7	4.0	3.5	1.2	
26 to 99 cigarettes (more than 1 pack, but less than 5 packs)			7.3	2.0	6.4	6.1	1.5	
100 or more cigarettes (5 or more packs)			22.7	2.3	19.9	13.0	1.9	

	IYS 1999	IYS 2002	IYTS 2000	IYTS 2001/2002		IYTS 2004	
			High School	Middle School	High School	High School	Middle School
<b>Cigarettes:</b>							
<b>When was the last time you smoked a cigarette, even one or two puffs?</b>							
I have never smoked even one or two puffs			40.7	74.7	43.1	57.3	80.7
Earlier today			13.4	1.2	12.0	7.5	2.1
Not today but sometime during the past 7 days			12.6	3.1	9.4	6.8	2.5
Not during the past 7 days but sometime during the past 30 days			5.1	1.0	4.4	4.0	1.4
Not during the past 30 days but sometime during the past 6 months			8.7	4.1	8.2	7.7	3.8
Not during the past 6 months but sometime during the past year			6.0	3.5	5.8	4.9	2.2
1 to 4 years ago			11.1	9.0	12.9	7.8	4.6
5 or more years ago			2.5	3.4	4.1	4.0	2.7
<b>During the past 30 days, on how many days did you smoke cigarettes?</b>							
0 days	83.0	89.0	67.3	93.2	73.3	80.5	92.8
1-2 days	4.0	3.0	7.5	2.4	5.9	5.0	3.0
3-5 days	2.0	1.0	4.2	1.1	2.4	2.8	1.2
6-9 days	1.0	1.0	3.2	0.8	2.0	1.8	1.2
10-19 days	2.0	1.0	3.3	1.0	3.5	2.3	.7
20-29 days	2.0	1.0	4.0	0.5	4.3	2.2	.4
30 days	7.0	4.0	10.4	1.1	8.5	5.4	.6
<b>Have you ever smoked cigarettes daily, that is, at least one cigarette every day for 30 days.</b>							
Yes			23.7	4.5	20.7	13.9	3.5
No			76.3	95.5	79.3	86.1	96.5
<b>During the past 30 days, on the days you smoked, how many cigarettes did you smoke per day?</b>							
I have never tried cigarette smoking	68.0	76.0	--	--	--	--	
I did not smoke cigarettes during the past 30 days	17.0	13.0	67.2	93.3	73.2	80.2	92.8
Less than 1 cigarette per day	3.0	2.0	6.0	1.9	4.3	3.7	2.3
1 cigarette per day	1.0	1.0	4.3	1.2	3.3	3.8	1.7
2 to 5 per day	5.0	3.0	12.6	2.7	10.7	6.5	2.2
6 to 10 per day	3.0	2.0	5.1	0.7	4.6	3.7	.5
11 to 20 per day	2.0	1.0	3.8	0.1	3.1	1.2	.2
More than 20 per day	1.0	1.0	0.9	0.0	0.9	.8	.3

	IYS 1999	IYS 2002	IYTS 2000	IYTS 2001/2002		IYTS 2004	
			High School	Middle School	High School	High School	Middle School
<b>Cigarettes:</b>							
<b>During the past 30 days, on how many days did you smoke cigarettes on school property?</b>							
0 days			89.5	97.7	89.9	93.3	97.8
1-2 days			2.9	1.7	3.4	2.5	.8
3-5 days			1.5	0.3	1.2	1.0	.4
6-9 days			1.2	0.0	1.1	.7	.4
10-19 days			2.0	0.0	1.6	.9	.3
20-29 days			1.1	0.0	0.6	.5	.1
All 30 days			1.7	0.3	2.2	1.1	.3
<b>Do you think that you will try a cigarette soon?</b>							
I have already tried smoking cigarettes			43.1	17.0	40.3	32.0	14.4
Yes			8.0	4.3	5.2	5.3	3.8
no			48.8	78.7	54.5	62.7	81.8
<b>Do you think you will smoke a cigarette at anytime during the next year?</b>							
Definitely yes			21.1	3.8	16.7	11.7	4.3
Probably yes			16.0	5.5	14.6	11.3	5.4
Probably not			18.4	17.4	18.3	19.2	13.1
Definitely not			44.5	73.2	50.5	57.9	77.2
<b>Do you think you will be smoking cigarettes in 5 years from now?</b>							
I definitely will			3.4	1.0	2.4	2.9	1.9
I probably will			16.3	5.9	12.5	10.1	7.0
I probably will not			29.2	25.7	27.9	24.3	19.1
I definitely will not			51.1	67.4	57.1	62.7	71.9
<b>How long can you go without smoking before you feel like you need a cigarette?</b>							
I have never smoked cigarettes			46.1	76.7	49.2	62.3	81.6
I do not smoke now			24.5	16.8	25.4	20.0	11.2
Less than an hour			2.4	0.3	2.4	1.1	.7
1 to 3 hours			4.7	0.8	3.3	2.4	.7
More than 3 hours but less than a day			6.2	0.4	4.3	2.8	.6
A whole day			2.0	0.5	2.1	1.5	.8
Several days			4.6	0.7	4.6	3.1	1.0
A week or more			9.5	3.7	8.8	6.9	3.5

	IYS 1999	IYS 2002	IYTS 2000	IYTS 2001/2002		IYTS 2004	
			High School	Middle School	High School	High School	Middle School
<b>Cigarettes:</b>							
<b>During the past 12 months, did you ever try to quit smoking cigarettes?</b>							
I did not smoke during the past 12 months			60.4	93.3	75.0	73.8	88.7
Yes			24.2	4.9	14.7	15.5	7.2
No			15.4	2.1	10.4	10.7	4.1
<b>Have you ever tried to quit smoking cigarettes?</b>							
I have never smoked cigarettes	74.0	81.0					
No	11.0	9.0					
Once	9.0	6.0					
Twice	3.0	2.0					
3 or more times	3.0	2.0					
<b>Do you want to stop smoking cigarettes?</b>							
I do not smoke now			71.5	88.0	66.3	82.5	92.5
Yes			15.3	8.6	21.3	9.0	3.5
No			13.2	3.4	12.4	8.5	4.0
<b>How many times, if any, have you tried to quit smoking?</b>							
I have never smoked			53.3	81.3	55.6	67.1	84.4
None			15.7	6.6	18.6	14.1	7.0
1 time			14.5	7.8	11.4	10.2	5.1
2 times			7.8	2.2	7.1	3.5	1.5
3 to 5 times			6.0	1.4	5.5	3.9	1.2
6 to 9 times			1.2	0.2	0.5	.7	.2
10 or more times			1.5	0.5	1.2	.6	.5
<b>When you last tried to quit, how long did you stay off cigarettes?</b>							
I have never smoked cigarettes			53.0	80.8	55.7	67.3	84.9
I have never tried to quit			13.7	4.6	14.7	11.9	4.8
Less than a day			2.8	0.7	2.3	1.6	1.1
1 to 7 days			6.7	1.2	6.3	3.5	1.2
More than 7 days but less than 30 days			5.2	1.4	5.0	2.9	1.1
More than 30 days but less than 6 months			6.1	2.2	5.4	3.7	1.9
More than 6 months but less than a year			4.3	1.9	3.3	2.8	1.5
More than a year			8.1	7.2	7.5	6.4	3.6

	IYS 1999	IYS 2002	IYTS 2000	IYTS 2001/2002		IYTS 2004	
			High School	Middle School	High School	High School	Middle School
<b>Cigarette Purchases:</b>							
<b>When you bought or tried to buy cigarettes in a store during the past 30 days, were you ever asked to show proof of age?</b>							
I did not try to buy cigarettes in a store during the past 30 days			83.2	98.5	87.1	91.9	97.6
Yes, I was asked to show proof of age			9.1	0.3	7.9	4.6	.9
No, I was not asked to show proof of age			7.7	1.2	5.0	3.5	1.5
<b>During the past 30 days, did anyone ever refuse to sell you cigarettes because of your age?</b>							
I did not try to buy cigarettes in a store during the past 30 days			93.3	97.3	86.0	91.0	96.4
Yes, someone refused to sell me cigarettes because of my age			2.9	1.1	2.3	2.2	.8
No, no one refused to sell me cigarettes because of my age			13.9	1.6	11.6	6.8	2.8
<b>During the past 30 days, what did you pay for the last pack of cigarettes you bought?[Not Applicable]</b>							
I did not smoke cigarettes during the past 30 days			66.5			NA	NA
I did not buy a pack of cigarettes during the past 30 days			9.2			86.0	95.3
\$1.50 to \$1.99			1.6			NA	NA
\$2.00 to \$2.49			1.8			2.1	1.6
\$2.50 to \$2.99			3.3			6.3	1.4
\$3.00 to \$3.49			14.5			5.6	1.7
I don't know			3.1			NA	NA
<b>During the past 30 days, how did you usually get your own cigarettes?</b>							
I did not smoke cigarettes during the past 30 days			66.5	92.0	71.4	79.9	91.5
I bought them in a store such as a convenience store, supermarket, discount store, or gas station			9.1	0.3	7.2	3.9	.3
I bought them from a vending machine			0.5	0.0	0.7	.1	.1
I gave someone else money to buy them for me			9.6	1.9	9.0	6.8	2.0
I borrowed (or bummed) them from someone else			9.3	2.5	7.2	5.2	2.3
A person 18 years old or older gave them to me			2.1	0.6	2.0	1.3	.7
I took them from a store or family member			1.2	1.1	0.6	1.1	1.2
I got them some other way			1.8	1.7	1.9	1.7	1.9

	IYS 1999	IYS 2002	IYTS 2000	IYTS 2001/2002		IYTS 2004	
			High School	Middle School	High School	High School	Middle School
<b>Tobacco Other Than Cigarettes:</b>							
<b>Summary of ever and current substance use prevalence rates. Tobacco use: smokeless tobacco</b>							
Current	5.0	3.0					
Ever	12.0	9.0					
<b>Have you ever used chewing tobacco, snuff, or dip, such as Redman, Levi Garrett, Beechnut, Skoal, Skoal Bandits, or Copenhagen?</b>							
Yes			27.4	10.7	24.2	20.3	8.8
No			72.6	89.3	75.8	79.9	91.2
<b>How old were you when you used chewing tobacco, snuff, or dip for the first time?</b>							
I have never used chewing tobacco, snuff, or dip			74.1	93.0	78.1	82.9	95.4
8 or younger			3.2	2.0	1.8	1.4	1.1
9 or 10			2.3	0.9	1.1	.7	.7
11 or 12			4.3	1.3	2.3	2.0	2.1
13 or 14			7.4	2.8	6.8	4.7	.6
15 or 16			7.0	0.0	7.5	6.5	0
17 or older			1.7	0.0	2.4	1.8	.1
<b>During the past 30 days, on how many days did you use chewing tobacco, snuff, or dip?</b>							
0 days			89.4	97.5	91.6	92.5	98.2
1-2 days			4.3	1.6	3.1	1.9	.9
3-5 days			1.0	0.3	1.1	1.0	.3
6-9 days			0.8	0.1	0.8	1.0	.2
10-19 days			1.1	0.1	0.8	1.4	.0
20-29 days			1.0	0.0	0.7	.6	.0
All 30 days			2.5	0.4	1.9	1.6	.3

	IYS 1999	IYS 2002	IYTS 2000	IYTS 2001/2002		IYTS 2004	
			High School	Middle School	High School	High School	Middle School
<b>Tobacco Other Than Cigarettes:</b>							
<b>If you have ever used smokeless tobacco (chewing tobacco, snuff, plug, dipping tobacco), on how many of the last 30 days have you done so?</b>							
Have never used	88.0	91.0					
Used, but not in the last 30 days	7.0	5.0					
1-2 days	2.0	1.0					
3-5 days	1.0	0					
6-9 days	0	0					
10-19 days	0	0					
20-29 days	0	0					
30 days	1.0	1.0					
<b>During the past 30 days, on how many days did you use chewing tobacco, snuff, or dip on school property?</b>							
0 days			94.9	99.2	96.1	95.2	98.4
1-2 days			1.2	0.3	1.0	1.3	.8
3-5 days			1.1	0.0	0.4	.7	.2
6-9 days			0.5	0.2	0.8	.5	.1
10-19 days			0.3	0.0	0.4	.7	.1
20-29 days			0.5	0.0	0.5	.3	.1
All 30 days			1.5	0.3	0.9	1.2	.3
<b>During the past 30 days, how did you usually get your own chewing tobacco, snuff, or dip? (choose only one)</b>							
I did not use chewing tobacco, snuff, or dip during the past 30 days			88.0	96.7	90.7	90.5	98.4
I bought them in a store such as a convenience store, supermarket, discount store, or gas station			3.3	0.5	3.3	2.6	.8
I gave someone else money to buy them for me			1.1	0.6	2.5	2.7	.2
I borrowed (or bummed) them from someone else			4.3	1.0	2.0	2.8	.1
A person 18 years old or older gave them to me			1.9	0.4	0.9	.5	.1
I took them from a store or family member			0.2	0.3	0.2	.5	.1
I got them some other way			1.2	0.5	0.4	.5	.3



	IYS 1999	IYS 2002	IYTS 2000	IYTS 2001/2002		IYTS 2004	
			High School	Middle School	High School	High School	Middle School
<b>Tobacco Other Than Cigarettes:</b>							
<b>Summary of ever and current substance use prevalence rates. Tobacco use: cigars</b>							
Current	6.0	4.0					
Ever	--	--					
<b>Have you ever tried smoking cigars, cigarillos, little cigars, even one or two puffs?</b>							
Yes			43.5	14.9	41.9	32.9	11.9
No			56.5	85.1	58.1	67.1	88.1
<b>How old were you when you smoked a cigar, cigarillo, or little cigar for the first time?</b>							
I have never smoked a cigar, cigarillo, or little cigar			58.9	88.5	61.6	70.3	91.4
8 or younger			1.9	2.3	2.1	1.3	1.4
9 or 10			2.4	2.9	1.9	1.3	2.2
11 or 12			4.2	3.4	4.1	3.9	3.6
13 or 14			12.4	2.8	12.1	7.5	1.4
15 or 16			16.0	0.0	14.6	11.9	.1
17 or older			4.3	0.0	3.5	3.8	--
<b>In the past 30 days, on how many days have you smoked cigars?</b>							
0 days	94.0	96.0					
1-2 days	4.0	3.0					
3-5 days	1.0	1.0					
6-9 days	1.0	0					
10-19 days	0	0					
20-29 days	0	0					
30 days	1.0	0					

	IYS 1999	IYS 2002	IYTS 2000	IYTS 2001/2002		IYTS 2004	
			High School	Middle School	High School	High School	Middle School
<b>Tobacco Other Than Cigarettes:</b>							
<b>During the past 30 days, on how many days did you smoke cigars, cigarillos, or little cigars?</b>							
0 days			85.5	96.9	85.8	88.5	96.8
1-2 days			7.7	2.1	7.9	6.9	2.1
3-5 days			3.4	0.5	2.6	2.0	.4
6-9 days			1.3	0.0	1.7	1.1	.2
10-19 days			0.6	0.1	0.9	.7	.1
20-29 days			0.6	0.0	0.3	.5	.1
All 30 days			0.9	0.5	0.7	.4	.2
<b>During the past 30 days, how did you usually get your own cigars, cigarillos, or little cigars? (choose only one)</b>							
I did not smoke cigars, cigarillos, or little cigars during the past 30 days			83.1	95.7	83.0	86.4	96.6
I bought them in a store such as a convenience store, supermarket, discount store, or gas station			4.9	0.2	4.5	3.0	.3
I gave someone else money to buy them for me			2.6	0.3	3.0	2.3	.8
I borrowed (or bummed) them from someone else			4.8	1.2	5.1	4.5	.7
A person 18 years old or older gave them to me			1.8	0.7	2.4	1.7	.6
I took them from a store or family member			0.9	0.7	0.6	.6	.2
I got them some other way				1.3	1.4	1.4	.8
<b>During the past 30 days, on how many days did you smoke tobacco in a pipe?</b>							
0 days			95.9	97.9	96.2	97.5	97.9
1-2 days			1.5	1.0	1.0	.7	.8
3-5 days			0.5	0.3	0.7	.8	.3
6-9 days			0.5	0.3	1.2	.4	.6
10-19 days			0.6	0.2	0.3	.2	.3
20-29 days			0.1	0.1	0	0	.1
All 30 days			1.0	0.2	0.7	.5	.1

	IYS 1999	IYS 2002	IYTS 2000	IYTS 2001/2002		IYTS 2004	
			High School	Middle School	High School	High School	Middle School
<b>Tobacco Other Than Cigarettes:</b>							
<b>Have you ever tried smoking any of the following:</b>							
Bidis			4.0	2.0	3.4	2.3	2.9
Kreteks			5.4	1.5	2.5	2.8	.8
I have tried both bidis and kreteks			5.2	1.2	3.2	1.4	1.2
I have never smoked bidis or kreteks			85.4	95.3	90.9	93.5	95.1
<b>During the past 30 days, on how many days did you smoke bidis?</b>							
0 days			95.9	98.5	97.3	97.9	98.1
1-2 days			1.4	0.2	1.0	.3	1.0
3-5 days			0.3	0.1	0.2	.5	.3
6-9 days			1.0	0.7	0.9	.8	.4
10-19 days			0.3	0.4	0.1	.1	.2
20-29 days			0.5	0.0	0.2	.0	--
All 30 days			0.4	0.2	0.4	.3	.1
<b>During the past 30 days, on how many days did you smoke kreteks?</b>							
0 days			95.7	99.1	97.5	97.2	98.1
1-2 days			2.2	0.5	0.9	1.1	.8
3-5 days			0.9	0.2	0.4	.7	.6
6-9 days			0.7	0.1	0.4	.4	.3
10-19 days			0.2	0.1	0.2	.3	.2
20-29 days			0.0	0.0	0.2	0	.1
All 30 days			0.3	0.2	0.4	.3	.1

	IYS 1999	IYS 2002	IYTS 2000	IYTS 2001/2002		IYTS 2004	
			High School	Middle School	High School	High School	Middle School
<b>Prevention/Cessation Programs:</b>							
<b>During this school year, did you practice ways to say “No” to tobacco in any of your classes (for example by role playing)?</b>							
Yes			12.6	41.8	14.8	12.5	37.0
No			71.4	28.9	69.9	69.8	33.6
Not sure			16.0	29.3	15.3	17.7	29.4
<b>Have either of your parents (or guardians) discussed the dangers of tobacco use with you?</b>							
Mother (female guardian) only			11.4	15.8	12.3	11.0	13.5
Father (male guardian) only			2.7	2.7	2.8	4.0	2.7
Both			51.6	54.9	50.1	54.3	59.1
Neither			34.2	26.7	34.8	30.7	24.7
<b>Have you ever participated in a program to help you quit using tobacco?</b>							
I have never used tobacco			49.7	80.4	54.9	65.8	85.4
Yes			3.0	2.0	3.3	3.1	2.1
No			47.3	17.6	41.8	31.1	12.5
<b>During the past 12 months, have you participated in any community activities to discourage people your age from using cigarettes, chewing tobacco, snuff, dip, or cigars?</b>							
Yes			10.7	17.5	12.0	11.0	16.8
No			64.7	42.1	62.2	58.6	42.5
I did not know about any activities			24.6	40.4	25.8	30.4	40.7
<b>During the past 12 months, has someone in a doctor’s or dentist’s office (doctor, nurse, dentist, or one of their assistants talked with you on the dangers of tobacco use?</b>							
Yes						23.9	25.2
No						76.1	74.8

	IYS 1999	IYS 2002	IYTS 2000	IYTS 2001/2002		IYTS 2004	
			High School	Middle School	High School	High School	Middle School
<b>Cessation Tools:</b>							
<b>During the past 12 months, did you use any of the following medicines to help you quit smoking tobacco? (You can choose more than one answer)</b>							
I have not smoked tobacco in the past 12 months						72.6	88.0
Nicotine gum						2.5	1.4
Nicotine patch						.8	.9
Nasal spray or inhaler						.7	.4
Other prescription medicines						.5	0
Nonprescription medicines						.7	.2
No medicines						24.3	10.5
<b>During the past 12 months did you do any of the following to help you quit smoking tobacco? (you can choose more than one)</b>							
I have not smoked tobacco in the last 12 months						75.9	89.4
Called a quit line						2.0	1.6
Used the internet						.4	.7
Attended a program at school						.7	.3
Attended a program other than in school or in my community						.2	.3
Spoke with a teacher, school nurse or counselor						.2	.2
Spoke with my doctor, dentist, or pharmacist						.4	.2
Other						20.6	7.5

	IYS 1999	IYS 2002	IYTS 2000	IYTS 2001/2002		IYTS 2004	
			High School	Middle School	High School	High School	Middle School
<b>Personal Attitudes Toward Tobacco:</b>							
<b>Can people get addicted to using tobacco just like they can get addicted to using cocaine or heroin?</b>							
Definitely yes			78.9	75.9	81.1	75.1	64.8
Probably yes			16.1	19.1	14.0	20.1	26.2
Probably not			2.0	1.5	1.9	2.7	3.0
Definitely not			2.9	3.6	2.9	2.2	6.0
<b>How much do you think you risk harming yourself (physically or otherwise) if you smoke cigarettes every day?</b>							
Great risk	63.0	69.0					
Moderate risk	13.0	15.0					
Slight risk	4.0	5.0					
No risk	8.0	7.0					
Don't know	7.0	4.0					
<b>Do you think young people risk harming themselves if they smoke from 1-5 cigarettes per day?</b>							
Definitely yes			68.6	77.8	72.2	76.1	75.5
Probably yes			25.0	14.2	19.9	17.2	13.6
Probably not			2.9	2.5	3.9	2.8	4.0
Definitely not			3.5	5.5	4.0	3.9	6.9
<b>Do you think it is safe to smoke for only a year or two, as long as you quit after that?</b>							
Definitely yes			3.1	2.8	4.3	3.7	4.9
Probably yes			9.8	4.2	9.4	7.4	5.8
Probably not			37.3	23.4	31.0	28.4	20.5
Definitely not			49.8	69.6	55.3	60.4	68.8
<b>Do you think the smoke from other people's cigarettes is harmful to you?</b>							
Definitely yes			72.9	76.7	73.3	75.8	74.0
Probably yes			21.9	17.8	20.8	19.4	17.3
Probably not			2.9	2.8	3.1	2.4	3.9
Definitely not			2.3	2.7	2.8	2.3	4.7

	IYS 1999	IYS 2002	IYTS 2000	IYTS 2001/2002		IYTS 2004	
			High School	Middle School	High School	High School	Middle School
<b>Personal Attitudes Toward Tobacco:</b>							
<b>In your neighborhood or community, how difficult do you think it would be for a kid your age to get cigarettes?</b>							
Very hard	22.0	27.0					
Hard	18.0	19.0					
Easy	27.0	25.0					
Very easy	24.0	19.0					
Don't know	9.0	10.0					
<b>Do you think young people who smoke cigarettes have more friends?</b>							
Definitely yes			3.6	1.7	3.3	4.4	4.2
Probably yes			12.3	7.1	10.7	10.2	10.7
Probably not			48.4	50.4	53.6	57.3	49.9
Definitely not			35.6	40.7	32.3	28.1	35.2
<b>Do you think smoking cigarettes makes young people look cool or fit in?</b>							
Definitely yes			3.2	2.6	3.3	4.3	3.2
Probably yes			8.8	4.6	7.3	6.6	5.9
Probably not			23.7	14.2	24.8	21.2	15.2
Definitely not			64.3	78.6	64.6	67.9	75.6
<b>Do you think that smoking cigarettes helps young people to gain or loose weight?</b>							
Gain weight						11.0	18.4
Loose weight or helps them to not gain more weight						32.4	25.6
Makes no difference in how much young people weigh						56.6	56.0

	IYS 1999	IYS 2002	IYTS 2000	IYTS 2001/2002		IYTS 2004	
High School			Middle School	High School	High School	Middle School	
<b>Tobacco Advertisements:</b>							
<b>Do you think tobacco companies have tried to mislead young people to buy their products more than other companies?</b>							
Definitely yes			39.0				
Probably yes			37.4				
Probably not			15.6				
Definitely not			8.0				
<b>During the past 30 days, about how often have you seen anti-smoking news stories or programs on TV?</b>							
None			31.6				
1-3 times in the past 30 days			35.4				
1-3 times per week			18.7				
Daily or almost daily			10.9				
More than once a day			3.5				
<b>When you go to a convenience store, supermarket, or gas station, how often do you see ads for cigarettes or chewing tobacco, or items that have tobacco company names or pictures on them?</b>							
I never go to a convenience store, supermarket, or gas station			2.9				
Most of the time			69.0				
Some of the time			24.8				
Hardly ever			4.0				
Never			2.2				
<b>When you watch TV or go to movies, how often do you see actors using tobacco?</b>							
I don't watch TV or go to movies			2.7	1.3	2.3	3.6	2.8
Most of the time			34.8	30.8	30.8	25.8	25.7
Some of the time			54.8	54.0	55.8	59.6	50.1
Hardly ever			7.0	11.9	9.5	9.4	17.6
Never			0.7	2.1	1.6	1.6	3.8



	IYS 1999	IYS 2002	IYTS 2000	IYTS 2001/2002		IYTS 2004	
			High School	Middle School	High School	High School	Middle School
<b>Tobacco Advertisements:</b>							
<b>When you watch TV, how often do you see athletes using tobacco?</b>							
I don't watch TV			4.9	2.2	3.7	5.2	2.8
Most of the time			5.3	4.5	3.9	3.9	4.2
Some of the time			22.2	19.7	19.4	16.9	16.2
Hardly ever			50.2	43.8	50.7	48.1	40.1
Never			17.4	29.8	22.4	25.9	36.6
<b>When you are using the Internet, how often do you see ads for tobacco products?</b>							
I don't use the Internet			14.2	12.3	9.0	9.5	13.6
Most of the time			6.6	6.6	4.5	7.1	10.6
Some of the time			15.4	22.9	16.9	26.2	23.7
Hardly ever			35.2	33.2	39.3	37.0	27.8
Never			28.6	24.9	30.2	20.2	24.4
<b>Have you ever seen anything on TV, heard anything on the radio, or seen any billboards against smoking?</b>							
A lot				54.1	58.6	42.8	36.3
Sometimes				35.8	33.7	44.3	43.3
Hardly ever				6.9	5.0	9.0	14.1
Never				3.1	2.7	3.9	6.3
<b>During the past 30 days, have you seen or heard commercial on TV, the Internet, or on the radio about the dangers of cigarettes smoking?</b>							
Not in the past 30 days			13.4	8.7	6.9	12.6	20.9
1-3 times in the past 30 days			22.4	9.8	11.3	19.6	17.0
1-3 times per week			25.7	14.2	16.1	22.3	16.8
Daily or almost daily			26.9	30.4	37.6	30.1	23.7
More than once a day			11.7	36.9	28.0	15.3	21.6
<b>Have you heard or seen anything at all about the anti-tobacco advertising campaign called "JEL" (Just Eliminate Lies)</b>							
Yes				78.9	85.3	84.6	53.8
No				21.1	14.7	15.4	46.2

	IYS 1999	IYS 2002	IYTS 2000	IYTS 2001/2002		IYTS 2004	
			High School	Middle School	High School	High School	Middle School
<b>Tobacco Advertisements:</b>							
<b>You may have seen anti-smoking ads with different themes. Which of the following are most effective? (may choose more than one)</b>							
Ads about the effects of second hand smoke						44.0	40.6
Ads about how tobacco companies lie to teens						27.0	20.4
Ads about how smoking causes heart disease, cancer, and emphysema						41.2	32.4
Ads about how addictive tobacco products are						17.2	14.3
Ads about loss of a family member or friends due to a tobacco related illness						47.1	31.7
Not aware of the "JEL" (Just Eliminate Lies) campaign ads						10.0	26.6
<b>How much do you agree that the "JEL" (Just Eliminate Lies) ads are convincing or believable?</b>							
Strongly agree				40.2	29.1	29.4	25.0
Agree				35.1	45.9	47.3	28.6
Disagree				4.2	8.4	7.3	5.4
Strongly disagree				3.2	5.2	4.2	2.3
I am not aware of the JEL ads				17.3	11.4	11.7	38.6
<b>How well do you think the "JEL" (Just Eliminate Lies) campaign is doing in getting their anti-tobacco message across to people your age?</b>							
It does very well				32.7	21.9	19.5	19.9
It does ok				43.3	52.2	57.5	35.8
It does a poor job				6.9	13.7	11.1	6.8
I am not aware of the campaign				17.2	12.2	11.8	37.5
<b>How much did you learn from the "JEL" (Just Eliminate Lies) campaign?</b>							
I learned a lot				31.7	16.1	14.7	17.4
I learned something				32.2	37.9	39.3	24.8
I didn't learn too much				13.4	22.6	24.1	11.6
I didn't learn anything at all				4.3	10.7	9.1	5.4
I have never heard or seen anything at all about JEL				18.4	12.7	12.7	40.8
<b>How has the JEL (Just Eliminate Lies) anti-tobacco campaign changed your attitude toward the tobacco industry?</b>							
I view the tobacco industry more positively				10.4	5.3	4.7	8.1
I view the tobacco industry more negatively				50.3	43.3	47.2	32.7
I view the tobacco industry the same				18.9	38.0	33.6	15.1
I am not aware of the campaign				20.4	13.5	14.5	44.0

	IYS 1999	IYS 2002	IYTS 2000	IYTS 2001/2002		IYTS 2004	
			High School	Middle School	High School	High School	Middle School
<b>Tobacco Advertisements:</b>							
<b>During the past 12 months, did you buy or receive anything that has a tobacco company name or picture on it?</b>							
Yes			26.9	20.6	24.5	19.6	15.4
No			73.1	79.4	75.5	80.4	84.6
<b>Would you ever use or wear something that has a tobacco company name or picture on it such as a lighter, t-shirt, hat, or sunglasses?</b>							
Definitely yes			14.2	6.6	12.0	9.7	5.7
Probably yes			30.2	15.9	28.7	25.9	15.1
Probably not			30.5	34.0	33.3	34.8	30.7
Definitely not			25.0	43.5	26.1	29.6	48.4
<b>Other Perceptions of Tobacco Use:</b>							
<b>If one of your best friends offered you a cigarette, would you smoke it?</b>							
Definitely yes			15.0	3.0	13.0	9.1	3.3
Probably yes			18.0	5.8	13.8	11.8	6.2
Probably not			18.5	17.5	20.4	18.8	15.1
Definitely not			48.4	73.7	52.8	60.2	75.4
<b>Thinking of your best friends, how wrong would most of them feel it would be for you to smoke cigarettes?</b>							
Very wrong	48.0	57.0					
Wrong	20.0	20.0					
A little wrong	13.0	10.0					
Not wrong at all	15.0	10.0					
Don't know	4.0	3.0					
<b>Would you be more or less likely to be popular (respected or cool) with the other students in your school if you smoked cigarettes?</b>							
A lot more popular	3.0	3.0					
More popular	8.0	6.0					
Less popular	20.0	21.0					
A lot less popular	34.0	38.0					
Wouldn't change my popularity	35.0	32.0					

	IYS 1999	IYS 2002	IYTS 2000	IYTS 2001/2002		IYTS 2004	
			High School	Middle School	High School	High School	Middle School
<b>Other Perceptions of Tobacco Use:</b>							
<b>How wrong would most of the students in your school (not just your best friends) feel it would be for you to smoke cigarettes?</b>							
Very wrong	38.0	44.0					
Wrong	21.0	22.0					
A little wrong	18.0	16.0					
Not wrong at all	18.0	12.0					
Don't know	6.0	6.0					
<b>Students caught drinking, smoking, or using an illegal drug are not allowed to participate in any extracurricular activity for some time period.</b>							
Strongly agree	61.0	63.0					
Agree	28.0	28.0					
Disagree	7.0	6.0					
Strongly disagree	4.0	4.0					
<b>How wrong would your parents/guardians feel it would be for you to smoke cigarettes?</b>							
Very wrong	78.0	83.0					
Wrong	13.0	11.0					
A little wrong	5.0	3.0					
Not wrong at all	3.0	2.0					
Don't know	2.0	1.0					
<b>How wrong would most adults in your neighborhood and/or community feel it would be for you to smoke cigarettes?</b>							
Very wrong	59.0	63.0					
Wrong	24.0	22.0					
A little wrong	8.0	6.0					
Not wrong at all	3.0	3.0					
Don't know	6.0	6.0					
<b>Do your parents know that you smoke tobacco?</b>							
I do not smoke tobacco						74.6	88.2
Yes						11.0	3.4
No						14.4	8.4

	IYS 1999	IYS 2002	IYTS 2000	IYTS 2001/2002		IYTS 2004	
			High School	Middle School	High School	High School	Middle School
<b>Other Perceptions of Tobacco Use:</b>							
<b>During the past 7 days, on how many days were you in the same room with someone who was smoking cigarettes?</b>							
0 days			43.4	41.7	28.5	34.2	47.8
1 or 2 days			18.5	20.2	25.2	26.3	21.3
3 or 4 days			12.7	10.2	12.4	11.2	8.3
5 or 6 days			8.0	5.3	8.3	5.4	5.8
7 days			17.4	22.7	25.6	22.9	16.9
<b>During the past 7 days, on how many days did you ride in a car with someone who was smoking cigarettes?</b>							
0 days				53.1	47.0	54.1	58.5
1 or 2 days				19.4	20.0	19.1	17.4
3 or 4 days				8.6	10.7	9.4	8.2
5 or 6 days				6.0	7.0	5.3	5.2
7 days				12.9	15.3	12.1	10.7
<b>Does anyone who lives with you now smoke cigarettes?</b>							
Yes			41.0	42.8	40.3		52.9
No			59.0	57.2	59.7		47.1
<b>Does anyone who lives with you now smoke cigarettes? (you can choose one answer or more than one)</b>							
No one smokes who lives with me						55.6	52.9
Mother (stepmother)						22.1	22.3
Father (stepfather)						21.6	22.2
Sister or brother						9.3	6.4
Roommate						1.1	.6
Guardian						1.8	2.6
Other						4.3	4.2
<b>Does anyone who lives with you now use chewing tobacco, snuff, or dip?</b>							
Yes			16.3	13.0	12.3	17.2	15.8
No			83.7	87.0	87.7	82.8	84.2

	IYS 1999	IYS 2002	IYTS 2000	IYTS 2001/2002		IYTS 2004	
			High School	Middle School	High School	High School	Middle School
<b>What are the rules for smoking in your home?</b>							
No smoking anywhere in the home						62.6	62.2
Smoking in some places in the home						11.2	9.8
Smoke anywhere anytime						8.5	9.0
No rules about smoking						17.7	19.0
<b>Other Perceptions of Tobacco Use:</b>							
<b>How many of your four closest friends smoke cigarettes?</b>							
None			37.4	69.8	41.1	53.5	72.9
One			14.6	10.8	16.9	17.7	10.0
Two			15.8	6.0	12.4	10.1	4.5
Three			11.3	2.7	9.0	6.8	2.8
Four			12.5	3.0	11.6	7.1	2.3
Not sure			8.4	7.6	9.1	4.8	7.5
<b>How many of your four closest friends use chewing tobacco, snuff or dip?</b>							
None			66.4	85.2	68.5	70.0	84.7
One			13.4	4.4	12.2	12.1	5.5
Two			5.6	1.4	6.9	6.2	1.9
Three			2.5	0.8	2.2	2.1	.7
Four			4.1	1.0	3.5	3.9	.8
Not sure			7.9	7.2	6.7	5.0	6.5

	IYS 1999	IYS 2002	IYTS 2000	IYTS 2001/2002		IYTS 2004	
			High School	Middle School	High School	High School	Middle School
<b>Health Related Issues:</b>							
<b>At any time in the past, have you had wheezing or whistling in the chest?</b>							
Yes						28.5	18.7
No						71.5	81.3
<b>During the past 12 months about how many attacks of wheezing or whistling have you had?</b>							
0 (no attacks)						22.1	15.0
1-3 attacks						77.9	85.0
4-12 attacks						83.8	87.9
More than 12 attacks						11.9	9.1
<b>During the past 12 months have you had wheezing or whistling in the chest?</b>							
Yes						2.9	2.1
No						1.5	.9
<b>During the past 12 months, how often, on average, has your sleep been disturbed due to wheezing?</b>							
Never woken with wheezing						92.8	92.9
Less than one night a week						4.0	4.5
One or more nights						3.3	2.6
<b>During the past 12 months has wheezing been severe enough to limit your speech to only one or two words at a time between breaths?</b>							
Yes						5.4	5.6
No						32.8	20.6
I have not had wheezing						61.8	73.8

	IYS 1999	IYS 2002	IYTS 2000	IYTS 2001/2002		IYTS 2004	
			High School	Middle School	High School	High School	Middle School
<b>Health Related Issues:</b>							
<b>Have you ever had asthma?</b>							
Yes						19.6	15.9
No						53.8	44.4
I have not had wheezing						26.6	39.8
<b>During the past 12 months, has your chest sounded wheezy after exercise?</b>							
Yes						22	17.2
No						78	82.8
<b>During the past 12 months, has your sleep been disturbed due to a dry cough at night APART from a cough when you had a cold or chest infection?</b>							
Yes						9.2	11.1
No						90.8	88.9
<b>During the past 12 months, have you had wheezing or whistling in the chest APART from when you had a cold or chest infection?</b>							
Yes						10.4	8.3
No						89.6	91.7
<b>Have your parents/guardian ever been told by a doctor or other health professional that you have asthma?</b>							
Yes						18.0	15.2
No						82.0	84.8
<b>Do you still have asthma?</b>							
Yes						12.4	12.2
No						84.8	87.8
<b>During the past 12 months, about how many asthma episodes or attacks have you had?</b>							
0 (no attacks)						86.9	87.5
1-3 episodes						10.1	9.6
4-12 episodes						1.9	2.2
4 more than 12 episodes						1.1	.7