

Progress Report

Healthiest Wisconsin 2010 Health Priority:
Tobacco Use and Exposure

February 9, 2007

**Wisconsin Public Health Council
State Health Plan Committee**

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Progress Report: *Healthiest Wisconsin 2010*
Health Priority: Tobacco Use and Exposure

Issue

The health and economic toll of cigarette smoking continues to be significant in Wisconsin. Over 8,000 people died in the past year from smoking: 7,215 died from directly related causes and 853 died from illness and fires indirectly related to smoking. With nearly 16 percent of all annual deaths in Wisconsin directly attributable to cigarette smoking, and \$2.16 billion paid in direct health care costs, most Wisconsin residents are or will be affected by cigarette smoking at some point.

Wisconsin has developed an effective statewide tobacco control program, supported primarily through \$10 million appropriated by the state legislature. This comprehensive program supports local coalitions, mass media campaigns, youth prevention efforts, smoke-free air policies, and treating tobacco addiction programs. The good news is that evidence from a recent study suggests that this program has resulted in greater declines in smoking in Wisconsin than has been observed in the U.S. and states similar to Wisconsin.

The bad news is that there are no data to indicate that the number of deaths due to smoking has decreased. Though Wisconsin is making progress toward reaching some of the objectives for *Healthiest Wisconsin 2010*, growing disparities have been observed in tobacco use and its adverse health effects in sub-populations. For example, smoking rates among pregnant women with a college education are less than 4 percent, but greater than 30 percent among pregnant women without a high school degree. Disparities also exist in ethnic minorities and for persons living in poverty. Without a significant change in the current efforts, these trends will make smoking a disease that has a disproportionate burden on those in greatest need.

The State Health Plan Committee recommends that the Wisconsin Public Health Council continue to monitor progress toward the 10-year long-term outcome objectives, not only those addressing youth prevention, tobacco treatment among adults, and secondhand smoke exposures, but also on reducing the disparity of disease in specific populations. The Committee endorses the recommendations developed by the Tobacco Prevention and Control Advisory Group, including the recommendation that Wisconsin fund tobacco prevention programs at the full amount recommended by the Centers for Disease Control and Prevention, so that the gains that have already been achieved may be sustained and further progress toward eliminating the negative health effects of tobacco can be made across all populations. An increase in the excise tax is an effective way to discourage use of tobacco products and generate new funds to be directed toward prevention, tobacco addiction treatment, and health improvement activities.

Results: Achievement of the 10-year Outcome Objectives

Youth Prevention:

Objective 1: Tobacco use among Wisconsin middle school youth will decrease from 16 percent in 2000 to 12 percent in 2010.

Performance as of 2004: 13 percent

Performance Status: Improved. (Statistically significant.)

Highest rates of middle school tobacco use were reported by American Indian and Hispanic youth. Boys were more likely to use tobacco than girls. These relative patterns have not changed.

Objective 2: Tobacco use among Wisconsin high school youth will decrease from 39 percent in 2000 to 29 percent in 2010.

Performance as of 2004: 28 percent

Performance Status: Improved. (Statistically significant.)

Among high school students, tobacco use was most likely to be reported by whites and Hispanics, and least likely to be reported by African American and Asian youth.

Tobacco Cessation:

Objective 3: Current cigarette smoking among all adults (ages 18 and older) will decrease from 24 percent in 2000 to 19 percent in 2010.

Performance as of 2005: 21 percent

Performance Status: Improved. (Not statistically significant.)

Among adults, rates of cigarette smoking were lowest among Asians, followed by whites. A decline occurred in the proportion of American Indians who reported smoking cigarettes, from 46 percent (+/- 8%) in 2000-2002 to 32 percent (+/- 10%) in 2003-2005.

Objective 4: Current cigarette smoking among young adults (ages 18-24) will decrease from 40 percent in 2000 to 32 percent in 2010.

Performance as of 2005: 25 percent

Performance Status: Achieved. (Statistically significant.)

Secondhand Smoke:

Objective 5: Adults who reported that they or someone else smoked in their home in the past 30 days will decrease from 28 percent in 2000 to 21 percent in 2010.

Performance as of 2005: 18 percent

Performance Status: Achieved. (Statistically significant.)

In 2005, 31 percent of African Americans reported such exposure to environmental smoke, compared to a statewide average of 18 percent. This goal may not be achieved in all sub-populations.

Objective 6: Adults who reported that smoking is allowed in some or all work areas as their place of work's official smoking policy will decrease from 26 percent in 2000 to 19 percent in 2010.

Performance as of 2005: 17 percent

Note: It appears that the baseline % used in the original implementation plan was based on the measure that combined the categories of smoking "allowed in some or all areas" (20% in 2000) and "no official policy" (6% in 2000). In 2005, these categories were, respectively: 11% and 6%. Either way, both are significant declines.

Performance Status: Achieved. (Statistically significant.)

Declines occurred among both whites and African Americans in the proportion who reported that smoking was allowed in their work place.

Objective 7: Youth who reported that they live with someone who smokes will decrease from 44 percent in 2000 to 33 percent in 2010.

Performance as of 2005: 41 percent

Performance Status: No progress. (Not statistically significant.)

Recommendations:

1. The Public Health Council should endorse a comprehensive prevention and control program through statewide policy changes and expanded funding. The elements of such a program have been described by the Centers for Disease Control and Prevention. (Note: The CDC estimates that for Wisconsin a minimum of \$31 million is needed annually to support a comprehensive program. The Wisconsin Tobacco Prevention and Control Advisory Group endorsed a set of complementary recommendations on March 1, 2006¹.)
2. Endorse the \$1.25 per pack cigarette tax increase as a means of funding a comprehensive prevention and control program; and tobacco treatment, and health improvement activities.
3. Aggressively support the infrastructure necessary to achieve health improvements in Wisconsin by:
 - a. Providing public health system partners with adequate funding, and
 - b. Providing systems for collection of health data in a timely, locally-based, and standard format.

¹ Highlights of the March 1, 2006 recommendations of the Wisconsin Tobacco Prevention and Control Advisory Board that are consistent with a comprehensive prevention and control program include:

- Establishing one or more of the following user and purveyor fees and dedicate revenues from these fees to tobacco prevention and control programs, Medicaid, Kids First Initiatives, and other health promotion, disease prevention, or health care programs. Fees could include:
 - A \$1.00/pack user's fee on cigarettes.
 - A user's fee on tobacco products equal to 50% of the manufacturer's established list price.
 - A state permit or license fee for all retailers, wholesalers, distributors, and other purveyors of tobacco products in Wisconsin.
- Supporting accessible and research-based tobacco addiction treatment counseling and services for all smokers, particularly disparately-impacted populations
- Supporting continuation of Executive Order making all State office buildings and vehicles completely smoke-free.
- Supporting statewide law making all municipal government buildings and vehicles completely smoke-free.
- Supporting specific language in any statewide clean indoor air legislation preserving the right of local levels of government to adopt more restrictive measures to protect citizens from secondhand smoke
- Promoting a strategic effort led by the Secretary and Governor encouraging all communities to improve the health and productivity of their residents by making all workplaces completely smoke-free.

- Targeting youth tobacco use through direct education and a comprehensive program

Appendix 1: Overall Progress: Tobacco Use and Exposure

Measure	Baseline*	Most Recent*	Change
Percent of middle school students who use any form of tobacco	16%	13% ¹	Improved
African Americans		18% ²	
American Indians		26% ²	
Asians		15% ²	
Hispanics		22% ²	
Whites		11% ²	
Percent of middle school students who currently smoke cigarettes	12%	8% ¹	Improved
Percent of high school students who use any form of tobacco	39%	28% ¹	Improved
African Americans		20% ³	
Asians		23% ³	
Hispanics		33% ³	
Whites		31% ³	
Percent of high school students who currently smoke cigarettes	33%	21% ¹	Improved
Percent of adults who currently smoke cigarettes	24%	21%	Improved
Females	24%	19%	Improved
Males	24%	22%	No change
African Americans	27% ³	30% ⁴	No change
American Indians	46% ³	32% ⁴	Improved
Asians	13% ³	16% ⁴	No change
Hispanics	27% ³	23% ⁴	Improved
Whites	23% ³	21% ⁴	Improved
Percent of adults aged 18-24 who currently smoke cigarettes	40%	25%	Improved
Percent of adults exposed to tobacco smoke at home in the past 30 days	28%	18%	Improved
African Americans	44%	31%	Improved
Whites	27%	17%	Improved
Percent of adults who reported that smoking was allowed in some or all areas of their workplace or their workplace had no official smoking policy	26%	17%	Improved
Percent of middle/high school students who report they live with a smoker	44%	41% ¹	No change
African Americans		54% ³	
American Indians		60% ³	
Asians		28% ³	
Hispanics		51% ³	
Whites		41% ³	

* “Baseline” is 2000 unless otherwise noted. “Most recent” is 2005 unless otherwise noted.

¹ 2004

² 2001-2004 combined

³ 2002, 2004 combined

⁴ 2003-2005 combined

Appendix 2: Tobacco use, middle school students

Health Priority K: Tobacco Use and Exposure

Objective K1a: By 2010, reduce the percent of Wisconsin middle school youth who use tobacco from 16 percent in 2000 to 12 percent.

2010 Target: 12%

Indicator: Tobacco use, middle school students

Percent of Wisconsin Middle School Students Who Use Any Form of Tobacco

Year (N)	Total		Males		Females	
	Percent	+/-	Percent	+/-	Percent	+/-
2000	16%	2%	18%	3%	14%	3%
(N)	1,440		704		730	
2001	13%	2%	13%	2%	13%	2%
(N)	1,591		816		771	
2002	13%	2%	15%	3%	12%	3%
(N)	1,298		669		620	
2003	13%	2%	15%	2%	11%	2%
(N)	1,864		946		907	
2004	13%	2%	15%	2%	11%	2%
(N)	1,682		879		799	

Source: Wisconsin Youth Tobacco Survey, Division of Public Health, Department of Health and Family Services.

N Number in sample.
+/- Confidence interval.

Percent of Wisconsin Middle School Students Who Use Any Form of Tobacco, by Race/Ethnicity

Years (N)	Total		Afr. Am.*		Am. Ind.*		Asian*		Hispanic		White*	
	Percent	+/-	Percent	+/-	Percent	+/-	Percent	+/-	Percent	+/-	Percent	+/-
2000-2003	12%	1%	15%	3%	21%	7%	13%	4%	21%	6%	10%	2%
(N)	6,193		580		183		272		233		4,840	
2001-2004	13%	1%	18%	3%	26%	6%	15%	4%	22%	6%	11%	1%
(N)	6,453		691		218		288		222		4,927	

Source: Wisconsin Youth Tobacco Survey, Division of Public Health, Department of Health and Family Services.

N Number in sample.
+/- Confidence interval

* Non-Hispanic

Appendix 2: Tobacco use, middle school students, continued

Percent of Wisconsin Middle School Students Who Currently Smoke Cigarettes

Year (N)	Total		Males		Females	
	Percent	+/-	Percent	+/-	Percent	+/-
2000	12%	2%	12%	3%	13%	3%
(N)	1,440		704		730	
2001	9%	2%	8%	2%	10%	2%
(N)	1,591		816		771	
2002	9%	2%	9%	2%	9%	3%
(N)	1,298		669		620	
2003	7%	1%	7%	2%	7%	2%
(N)	1,864		946		907	
2004	8%	1%	8%	2%	7%	2%
(N)	1,682		844		782	

Source: Wisconsin Youth Tobacco Survey, Division of Public Health, Department of Health and Family Services.

N Number in sample.
+/- Confidence interval.

Percent of Wisconsin Middle-School Students Who Currently Smoke Cigarettes, by Race/Ethnicity

Years (N)	Total		Afr. Am.*		Am. Ind.*		Asian*		Hispanic		White*	
	Percent	+/-	Percent	+/-	Percent	+/-	Percent	+/-	Percent	+/-	Percent	+/-
2000-2003	9%	1%	9%	3%	17%	6%	10%	4%	19%	6%	9%	1%
(N)	6,193		580		183		272		233		4,840	
2001-2004	8%	1%	8%	2%	19%	6%	8%	3%	15%	5%	7%	1%
(N)	6,453		691		218		288		222		4,927	

Source: Wisconsin Youth Tobacco Survey, Division of Public Health, Department of Health and Family Services.

N Number in sample.
+/- Confidence interval.

* Non-Hispanic

Appendix 3: Tobacco use, high school students

Health Priority K: Tobacco Use and Exposure

Objective K1b: By 2010, reduce the percent of Wisconsin high school youth who use tobacco from 39 percent in 2000 to 29 percent.

2010 Target: 29%

Indicator: Tobacco use, high school students

Percent of Wisconsin High School Students Who Use Any Form of Tobacco

Year (N)	Total		Males		Females	
	Percent	+/-	Percent	+/-	Percent	+/-
2000	39%	3%	42%	4%	36%	4%
(N)	1,307		619		682	
2002	33%	3%	38%	4%	27%	4%
(N)	1,362		643		716	
2004	28%	2%	29%	4%	26%	3%
(N)	1,443		696		742	

Source: Wisconsin Youth Tobacco Survey, Division of Public Health, Department of Health and Family Services.

N Number in sample

+/- Confidence interval.

Percent of Wisconsin High School Students Who Use Any Form of Tobacco, by Race/Ethnicity

Years (N)	Total		African American*		Asian*		Hispanic		White*	
	Percent	+/-	Percent	+/-	Percent	+/-	Percent	+/-	Percent	+/-
2000, 2002	35%	2%	17%	6%	27%	9%	**		37%	2%
(N)	2,669		198		100		**		2,214	
2002, 2004	30%	2%	20%	6%	23%	8%	33%	9%	31%	2%
(N)	2,805		222		116		111		2,297	

Source: Wisconsin Youth Tobacco Survey, Division of Public Health, Department of Health and Family Services.

N Number in sample.

+/- Confidence interval.

* Non-Hispanic

** Fewer than 100 cases for time period.

Appendix 3: Tobacco use, high school students, continued

Percent of Wisconsin High School Students Who Currently Smoke Cigarettes

Year (N)	Total		Males		Females	
	Percent	+/-	Percent	+/-	Percent	+/-
2000	33%	3%	31%	4%	35%	4%
(N)	1,307		619		682	
2002	27%	3%	29%	4%	25%	3%
(N)	1,362		643		716	
2004	21%	2%	20%	3%	22%	3%
(N)	1,443		675		729	

Source: Wisconsin Youth Tobacco Survey, Division of Public Health, Department of Health and Family Services.

N Number in sample.
+/- Confidence interval.

Percent of Wisconsin High School Students Who Currently Smoke Cigarettes, by Race/Ethnicity

Years (N)	Total		African American*		Asian*		Hispanic		White*	
	Percent	+/-	Percent	+/-	Percent	+/-	Percent	+/-	Percent	+/-
2000, 2002	30%	2%	14%	6%	25%	9%	**		31%	2%
(N)	2,669		198		100		**		2,214	
2002, 2004	24%	2%	13%	5%	19%	8%	22%	8%	25%	2%
(N)	2,805		222		116		111		2,297	

Source: Wisconsin Youth Tobacco Survey, Division of Public Health, Department of Health and Family Services.

N Number in sample.
+/- Confidence interval.
* Non-Hispanic
** Fewer than 100 cases for time period.

Appendix 4: Cigarette smoking, adults 18+

Health Priority K: Tobacco Use and Exposure

Objective K2a: By 2010, reduce the percent of Wisconsin adults (ages 18+) who report current cigarette smoking from 24 percent in 2000 to 19 percent.

2010 Target: 19%

Objective K2b: By 2010, reduce the percent of young adults (ages 18-24) who report current cigarette smoking from 40 percent in 2000 to 32 percent.

2010 Target: 32%

Indicator: Cigarette smoking, adults 18+

Percent of Wisconsin Adults Aged 18+ Who Currently Smoke Cigarettes

Year (N)	Total		Males		Females	
	Percent	+/-	Percent	+/-	Percent	+/-
2000	24%	2%	24%	2%	24%	2%
(N)	2,715		1,218		1,497	
2001	24%	1%	25%	2%	22%	2%
(N)	3,598		1,618		1,980	
2002	23%	1%	25%	2%	21%	2%
(N)	4,350		1,789		2,561	
2003	22%	1%	24%	2%	20%	2%
(N)	4,049		1,630		2,419	
2004	22%	2%	25%	2%	19%	2%
(N)	4,490		1,790		2,700	
2005	21%	2%	22%	2%	19%	2%
(N)	4,884		1,997		2,887	

Source: Wisconsin Behavioral Risk Factor Survey, Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

N Number in sample.

+/- Confidence interval.

Appendix 4: Cigarette smoking, adults 18+, continued

Percent of Wisconsin Adults Aged 18+ Who Currently Smoke Cigarettes, by Age

Year (N)	Ages 18-24		Ages 25-34		Ages 35-44		Ages 45-54		Ages 55-64		Ages 65+	
	Percent	+/-	Percent	+/-	Percent	+/-	Percent	+/-	Percent	+/-	Percent	+/-
2000	40%	7%	24%	4%	30%	4%	23%	3%	21%	4%	10%	3%
(N)	194		490		635		566		349		469	
2001	33%	5%	31%	4%	28%	3%	26%	3%	17%	4%	6%	2%
(N)	361		659		874		693		409		589	
2002	35%	5%	28%	3%	27%	3%	23%	3%	19%	3%	8%	2%
(N)	346		723		934		861		615		845	
2003	32%	5%	28%	3%	25%	3%	23%	3%	16%	3%	9%	2%
(N)	303		653		863		840		556		804	
2004	28%	6%	28%	4%	25%	4%	25%	3%	17%	3%	8%	2%
(N)	294		725		875		956		681		917	
2005	25%	7%	28%	4%	25%	3%	21%	3%	17%	3%	9%	2%
(N)	284		666		897		1,059		809		1,112	

Source: Wisconsin Behavioral Risk Factor Survey, Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

N Number in sample.
+/- Confidence interval.

Percent of Wisconsin Adults Aged 18+ Who Currently Smoke Cigarettes, by Race/Ethnicity

Years (N)	Total		African American*		American Indian*		Asian*		Hispanic	
	Percent	+/-	Percent	+/-	Percent	+/-	Percent	+/-	Percent	+/-
2000-2002	24%	1%	27%	3%	46%	8%	13%	7%	27%	4%
(N)	10,663		826		135		101		476	
2001-2003	23%	1%	28%	3%	39%	8%	10%	6%	26%	4%
(N)	11,995		993		138		110		510	
2002-2004	22%	1%	29%	4%	31%	9%	13%	8%	24%	6%
(N)	12,900		1,179		141		120		265	
2003-2005	22%	1%	30%	4%	32%	10%	16%	8%	23%	7%
(N)	13,423		1,221		124		119		257	

Source: Wisconsin Behavioral Risk Factor Survey, Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

N Number in sample.
+/- Confidence interval.
* Non-Hispanic.

Appendix 4: Cigarette smoking, adults 18+, continued

Percent of Wisconsin Adults Aged 18+ Who Currently Smoke Cigarettes, by Race/Ethnicity (continued)

Years (N)	White*		Multiple Races	
	Percent	+/-	Percent	+/-
2000-2002	23%	1%	**	
(N)	8,858			
2001-2003	22%	1%	47%	9%
(N)	9,988		119	
2002-2004	22%	1%	51%	12%
(N)	10,913		128	
2003-2005	21%	1%	50%	12%
(N)	11,408		140	

Source: Wisconsin Behavioral Risk Factor Survey, Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

N Number in sample.
+/- Confidence interval.

* Non-Hispanic.

** Multiple races category not used in 2000.

Appendix 5: Exposure to smoking at home, adults 18+

Health Priority K: Tobacco Use and Exposure

Objective K3a: By 2010, reduce the percent of adults who reported that they or someone else smoked in their home in the past 30 days from 28% in 2000 to 21%.

2010 Target: 21%

Indicator: Exposure to smoking at home, adults 18+

Percent of Wisconsin Adults Aged 18+ Exposed to Smoke at Home in the Past 30 Days

Year (N)	Total		Males		Females		Afr. Am.*		White*	
	Percent	+/-	Percent	+/-	Percent	+/-	Percent	+/-	Percent	+/-
2000	28%	2%	30%	3%	26%	2%	44%	7%	27%	2%
(N)	2,720		1,221		1,499		219		2,308	
2005	18%	2%	18%	3%	18%	2%	31%	10%	17%	2%
(N)	4,278		1,722		2,556		317		3,734	

Source: Wisconsin Behavioral Risk Factor Survey, Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

- N Number in sample.
- +/- Confidence interval.
- * Non-Hispanic

Appendix 6: Workplace smoking policies

Health Priority K: Tobacco Use and Exposure

Objective K3b: By 2010, reduce the percent of adults who reported that smoking is allowed in some or all work areas as their place of work's official smoking policy from 26 percent in 2000 to 19 percent.

2010 Target: 19%

Indicator: Workplace smoking policies

Percent of Wisconsin Adults Aged 18+ Who Have a Workplace Smoking Policy

Year (N)	Smoking Not Allowed Anywhere		Allowed in Some or All Areas		No Official Policy	
	Percent	+/-	Percent	+/-	Percent	+/-
2000	74%	2%	20%	2%	6%	1%
(N)	1,522		1,522		1,522	
2001	80%	2%	19%	2%	<1%	n/a
(N)	2,067		2,067		2,067	
2002	80%	2%	19%	2%	<1%	n/a
(N)	2,094		2,094		2,094	
2004	84%	2%	11%	2%	5%	1%
(N)	2,284		2,284		2,284	
2005	82%	2%	11%	2%	6%	2%
(N)	2,396		2,396		2,396	

Source: Wisconsin Behavioral Risk Factor Survey, Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

N Number in sample.
 +/- Confidence interval.
 n/a Not applicable

Appendix 6: Workplace smoking policies, continued

Percent of Wisconsin Adults Aged 18+ Who Have a Workplace Smoking Policy, by Sex

Year (N)	Males						Females					
	Smoking Not Allowed Anywhere		Allowed in Some or All Areas		No Official Policy		Smoking Not Allowed Anywhere		Allowed in Some or All Areas		No Official Policy	
	Percent	+/-	Percent	+/-	Percent	+/-	Percent	+/-	Percent	+/-	Percent	+/-
2000	64%	4%	27%	3%	8%	2%	83%	3%	14%	2%	4%	1%
(N)	673		673		673		849		849		849	
2001	74%	3%	26%	3%	<1%	n/a	85%	2%	14%	2%	<1%	n/a
(N)	892		892		892		1,175		1,175		1,175	
2002	72%	3%	27%	3%	1%	1%	87%	2%	12%	2%	<1%	n/a
(N)	799		799		799		1,295		1,295		1,295	
2004	77%	4%	16%	3%	7%	2%	90%	2%	7%		3%	1%
(N)	845		845		845		1,439		1,439		1,439	
2005	73%	4%	17%	4%	10%	3%	90%	2%	6%	2%	4%	2%
(N)	935		935		935		1,461		1,461		1,461	

Source: Wisconsin Behavioral Risk Factor Survey, Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

N Number in sample
 +/- Confidence interval.
 n/a Not applicable

Appendix 6: Workplace smoking policies, continued

Percent of Wisconsin Adults Aged 18+ Who Have a Workplace Smoking Policy, by Race/Ethnicity

Years (N)	Total						African American*					
	Smoking Not Allowed Anywhere		Allowed in Some or All Areas		No Official Policy		Smoking Not Allowed Anywhere		Allowed in Some or All Areas		No Official Policy	
	Percent	+/-	Percent	+/-	Percent	+/-	Percent	+/-	Percent	+/-	Percent	+/-
2000-2001	77%	1%	20%	1%	3%	1%	62%	6%	35%	6%	3%	2%
(N)	3,575		3,575		3,575		251		251		251	
2001-2002	80%	1%	19%	1%	<1%	n/a	73%	5%	26%	5%	<1%	2%
(N)	4,167		4,167		4,167		293		293		293	
2002, 2004	82%	1%	15%	1%	3%	1%	79%	7%	18%	7%	2%	2%
(N)	4,385		4,385		4,385		347		347		347	
2004-2005	83%	1%	11%	1%	6%	1%	79%	9%	13%	6%	8%	8%
(N)	4,680		4,680		4,680		363		363		363	

Source: Wisconsin Behavioral Risk Factor Survey, Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

- N Number in sample.
- +/- Confidence interval.
- n/a Not applicable
- * Non-Hispanic

Percent of Wisconsin Adults Aged 18+ Who Have a Workplace Smoking Policy, by Race/Ethnicity (continued)

Years (N)	Hispanic						White*					
	Smoking Not Allowed Anywhere		Allowed in Some or All Areas		No Official Policy		Smoking Not Allowed Anywhere		Allowed in Some or All Areas		No Official Policy	
	Percent	+/-	Percent	+/-	Percent	+/-	Percent	+/-	Percent	+/-	Percent	+/-
2000-2001	75%	5%	23%	5%	2%	2%	78%	2%	19%	1%	3%	1%
(N)	282		282		282		2,899		2,899		2,899	
2001-2002	79%	5%	21%	5%	<1%	2%	81%	1%	18%	1%	<1%	n/a
(N)	295		295		295		3,418		3,418		3,418	
2002, 2004	**		**		**		83%	1%	14%	1%	3%	1%
(N)	**		**		**		3,792		3,792		3,792	
2004-2005	**		**		**		84%	2%	11%	2%	5%	1%
(N)	**		**		**		4,085		4,085		4,085	

Source: Wisconsin Behavioral Risk Factor Survey, Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

- N Number in sample.
- +/- Confidence interval.
- n/a Not applicable
- * Non-Hispanic
- ** Fewer than 100 cases.

**Appendix 7: Exposure to smoking at home,
middle- and high school students**

Health Priority D: Environmental and Occupational Health Hazards

Objective D4g2: By 2010, there will be no unwanted environmental tobacco smoke exposure in homes.

2010 Target: 0

Health Priority K: Tobacco Use and Exposure

Objective K3c: By 2010, reduce the percent of youth who reported that they live with someone who smokes from 44 percent in 2000 to 33 percent.

2010 Target: 33% (middle- and high school students combined)

Indicator (for both objectives): Exposure to smoking at home, middle- and high school students

Percent of Wisconsin Middle- and High School Students Who Live With a Smoker

Year (N)	Total		Males		Females	
	Percent	+/-	Percent	+/-	Percent	+/-
2000	44%	2%	43%	3%	46%	3%
(N)	2,747		1,323		1,412	
2002	44%	2%	43%	3%	45%	3%
(N)	2,660		1,312		1,336	
2004	41%	2%	41%	3%	42%	3%
(N)	3,125		1,575		1,541	

Source: Wisconsin Youth Tobacco Survey, Division of Public Health, Department of Health and Family Services.

N Number in sample.

+/- Confidence interval.

**Percent of Wisconsin Middle- and High School Students Who Live With a Smoker,
by Race/Ethnicity**

Years (N)	Total		Afr. Am.*		Am. Ind.*		Asian*		Hispanic		White*	
	Percent	+/-	Percent	+/-	Percent	+/-	Percent	+/-	Percent	+/-	Percent	+/-
2000, 2002	44%	1%	56%	5%	74%	8%	31%	7%	48%	8%	43%	2%
(N)	5,407		426		123		219		186		4,389	
2002, 2004	43%	1%	54%	5%	60%	9%	28%	6%	51%	8%	41%	2%
(N)	5,785		561		147		251		201		4,559	

Source: Wisconsin Youth Tobacco Survey, Division of Public Health, Department of Health and Family Services.

N Number in sample. See data documentation.

+/- Confidence interval. See data documentation.

*Non-Hispanic

Appendix 7: Exposure to smoking at home, middle- and high school students, continued

Percent of Wisconsin High School Students Who Live With a Smoker

Year (N)	Total		Males		Females	
	Percent	+/-	Percent	+/-	Percent	+/-
2000	43%	3%	42%	4%	44%	4%
(N)	1,307		619		682	
2002	41%	3%	41%	4%	41%	4%
(N)	1,362		643		716	
2004	39%	3%	38%	4%	39%	4%
(N)	1,443		680		730	

Source: Wisconsin Youth Tobacco Survey, Division of Public Health, Wisconsin Department of Health and Family Services.

N Number in sample.
+/- Confidence interval.

Percent of Wisconsin High School Students Who Live With a Smoker, By Race/Ethnicity

Years (N)	Total		Afr. Am.*		Asian*		Hispanic		White*	
	Percent	+/-	Percent	+/-	Percent	+/-	Percent	+/-	Percent	+/-
2000, 2002	42%	2%	57%	8%	31%	10%	**		41%	2%
(N)	2,669		198		100		**		2,214	
2002, 2004	40%	2%	51%	8%	23%	8%	49%	10%	39%	2%
(N)	2,805		222		116		111		2,297	

Source: Wisconsin Youth Tobacco Survey, Division of Public Health, Department of Health and Family Services.

Note: Race/ethnicity categories with fewer than 100 cases are not shown.

N Number in sample.
+/- Confidence interval. .

* Non-Hispanic
** Fewer than 100 cases for time period.

Appendix 7: Exposure to smoking at home, middle- and high school students, continued

Percent of Wisconsin Middle School Students Who Live With a Smoker

Year (N)	Total		Males		Females	
	Percent	+/-	Percent	+/-	Percent	+/-
2000	46%	3%	43%	4%	49%	4%
(N)	1,440		704		730	
2001	43%	3%	43%	4%	44%	4%
(N)	1,591		816		771	
2002	47%	3%	45%	4%	49%	4%
(N)	1,298		669		620	
2003	42%	2%	43%	3%	42%	3%
(N)	1,864		946		907	
2004	45%	3%	44%	3%	46%	4%
(N)	1,682		838		783	

Source: Wisconsin Youth Tobacco Survey, Division of Public Health, Department of Health and Family Services.

N Number in sample
+/- Confidence interval.

Percent of Wisconsin Middle School Students Who Live With a Smoker, by Race/Ethnicity

Years (N)	Total		Afr. Am.*		Am. Ind.*		Asian*		Hispanic		White*	
	Percent	+/-	Percent	+/-	Percent	+/-	Percent	+/-	Percent	+/-	Percent	+/-
2000-2003	45%	1%	52%	5%	65%	7%	36%	6%	49%	7%	43%	2%
(N)	6,193		580		183		272		233		4,840	
2001-2004	44%	1%	53%	4%	61%	7%	37%	6%	51%	7%	43%	2%
(N)	6,453		691		218		288		222		4,927	

Source: Wisconsin Youth Tobacco Survey, Division of Public Health, Department of Health and Family Services.

N Number in sample.
+/- Confidence interval.
* Non-Hispanic