

# **Cancer Prevention & Early Detection Facts & Figures**

Tables and Figures  
2014

## Table of Contents

### **Tobacco Use**

Cigarette Excise Tax, by State US, 2013.....	2
Current Cigarette Smoking Trends, 12 <sup>th</sup> -graders, by Race/Ethnicity, US, 1977-2013.....	3
Tobacco Use, High School Students, by State and City/County, US, 2011.....	4
Current Cigarette Smoking Trends, Adults 25 Years and Older, by Education, US, 1999-2012.....	5
Current Cigarette Smoking (%), Adults 18 Years and Older, US, 2012.....	6
Smoking-attributable Mortality Rate 2000-2004, and Tobacco Use (%), Adults, by State, US, 2009-2012.....	7
Annual Percentage Change in Tobacco Industry Marketing Expenditures for Cigarettes and Smokeless Tobacco, US, 1997-2010.....	8
Comprehensive Tobacco Control Measures, by State, US, 2014.....	9
Trends in Exposure to Tobacco Marketing, Middle and High School Students, US, 2004-2012.....	10
Funding for Tobacco Prevention Programs, by State, US, Fiscal Year 2014.....	11

### **Overweight and Obesity, Physical Activity and Nutrition**

Obesity Trends, Adolescents 12-19 Years, by Gender and Race/Ethnicity, US, 1976-2012.....	12
Obesity Trends, Adults 20-74 Years, by Gender and Race/Ethnicity, US, 1976-2012.....	13
Overweight, Obesity, and Related Factors, High School Students, by State and City/County, US, 2011.....	14
Overweight, Obesity, and Related Factors, Adults 18 Years and Older, by State, US, 2011-2012.....	15
Trends in Physical Activity, Adults 18 Years and Older, US, 1998-2012.....	16

### **Ultraviolet Radiation**

Use (%) of an Indoor Tanning Device, Adults 18 Years and Older, US, 2010.....	17
Indoor Tanning Restrictions for Minors, by State, US, 2014.....	18

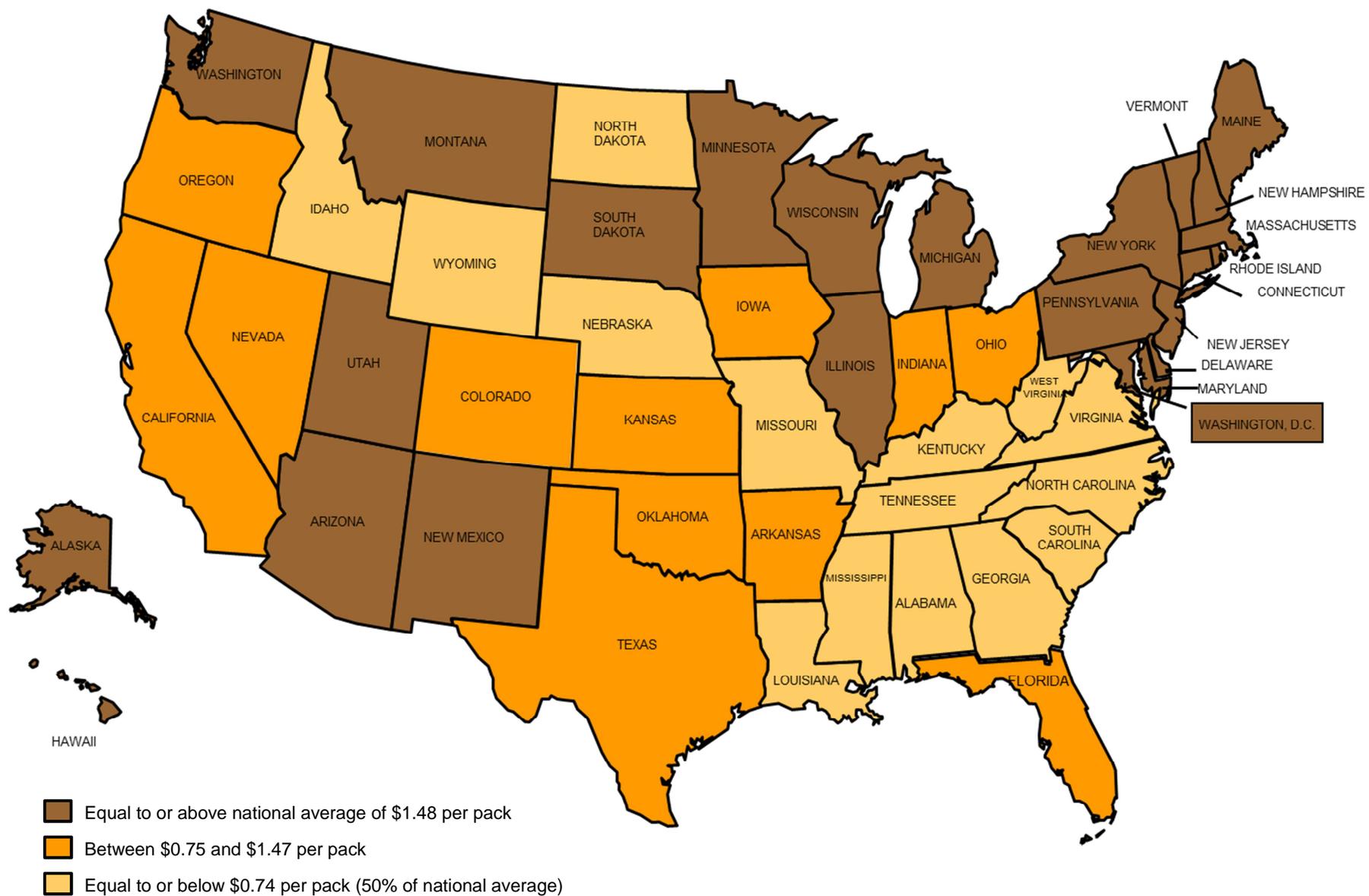
### **Cancer Screening**

Mammography (%), Women 40 Years and Older, US, 2010.....	19
Mammography within the Past Two Years, Women 40 Years and Older, among Race/Ethnic Categories and the Uninsured, US, 1987-2010.....	20
Mammography and Clinical Breast Exam (%) within the Past Year, Women 40 Years and Older, by State, US, 2012.....	21
Vaccination Coverage among US Adolescents 13-17 Years, by Race/Ethnicity and Poverty, 2012.....	22
Pap Test, Women 21-65 Years, US, 2010.....	23
Number of Women Screened in the National Breast and Cervical Cancer Early Detection Program (NBCCEDP), 2008-2012.....	24
Human Papillomavirus (HPV) Vaccination Coverage among Adolescents (13-17 Years) and Pap Test among Women (21-65 Years), by State, US, 2012.....	25
Colorectal Cancer Screening (%), Adults 50 Years and Older, US, 2010.....	26
Colorectal Cancer Screening, Adults 50-64 Years, by Race/Ethnicity and Insurance Status, US, 2010.....	27
Colorectal Cancer Screening (%), Adults 50 Years and Older, by State, US, 2012.....	28
Prostate Cancer Test Use, Men 50 Years and Older, US, 2010.....	29
Prostate Cancer Test Use (%), Men 50 Years and Older, by State, US, 2010.....	30

<b>Statistical Notes.....</b>	<b>31</b>
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<b>Survey Sources.....</b>	<b>33</b>
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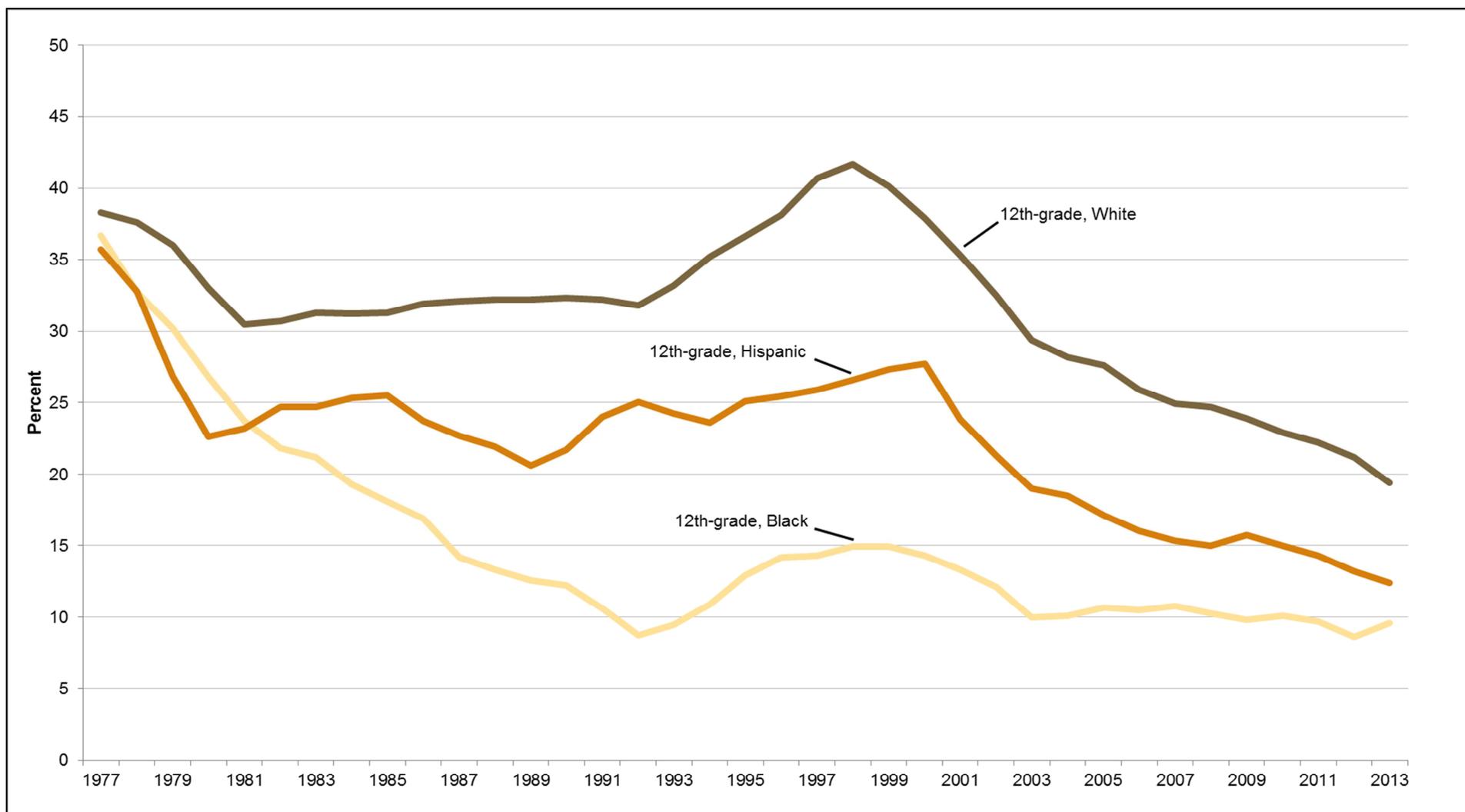
Figure 1A. Cigarette Excise Tax, by State US, 2013\*



\*Taxes in effect or increases passed, reported as of January 15, 2013.

Source: American Cancer Society Cancer Action Network, 2013

Figure 1B. Current Cigarette Smoking\* Trends, 12<sup>th</sup>-graders, by Race/Ethnicity, US, 1977-2013<sup>†</sup>



\*Used cigarettes in the past 30 days. †Percentages are two-year moving averages.

Source: Monitoring the Future Survey, 1976-2013, University of Michigan.

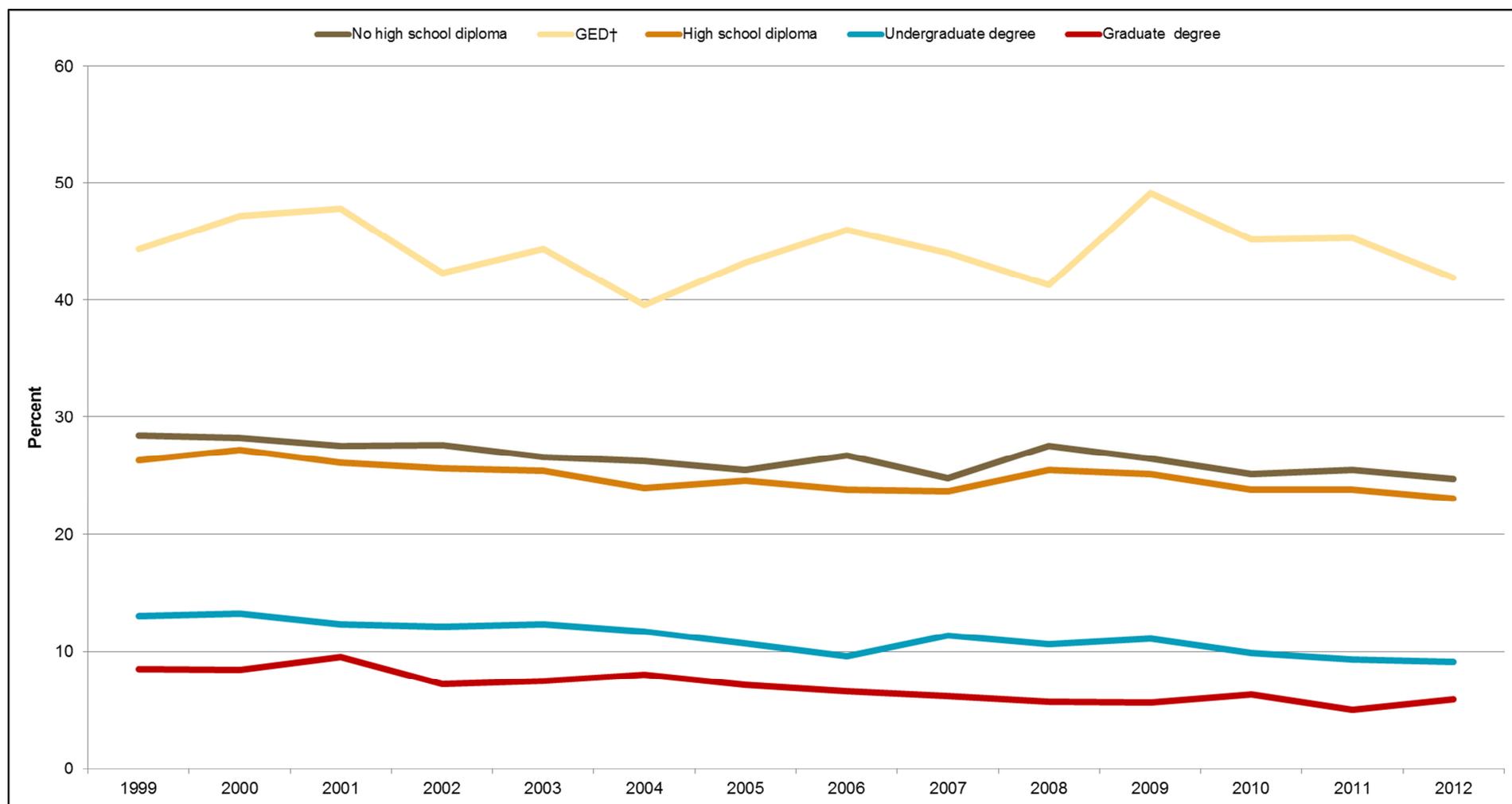
Table 1A. Tobacco Use, High School Students, by State and City/County\*, US, 2011

Location	% Current cigarette smoking <sup>†</sup>	Rank <sup>‡</sup> (1=high)	% Frequent cigarette smoking <sup>§</sup>	% Current cigar smoking <sup>¶</sup>	% Current smokeless tobacco use <sup>#</sup>
United States	18.1		6.4	13.1	7.7
Alabama	22.9	3	9.5	15.8	9.8
Alaska	14.1	35	5.2	10.3	8.4
Arizona	17.4	21	5.8	15.8	7.1
Arkansas	18.2	15	7.5	14.4	11.6
California**	--	--	--	--	--
Colorado	15.7	27	5.3	--	7.0
Connecticut	15.9	26	5.4	--	--
Delaware	18.3	14	7.6	12.9	6.6
District of Columbia	12.5	40	4.2	13.7	4.1
Florida	14.3	33	4.7	--	--
Georgia	17.0	23	7.5	17.8	9.6
Hawaii	10.1	43	3.9	6.8	3.5
Idaho	14.3	33	5.7	11.0	9.0
Illinois	17.5	20	6.3	13.1	5.8
Indiana	18.1	16	8.1	14.6	8.2
Iowa	18.1	16	6.8	12.8	10.4
Kansas	14.4	32	5.2	10.7	8.8
Kentucky	24.1	1	11.6	17.5	16.9
Louisiana	21.8	6	9.4	17.0	11.4
Maine	15.2	28	6.7	12.6	7.7
Maryland	12.5	40	4.4	12.9	7.2
Massachusetts	14.0	36	5.6	14.3	--
Michigan	14.0	36	5.4	12.1	7.6
Minnesota <sup>††</sup>	--	--	--	--	--
Mississippi	17.9	18	6.7	14.6	10.2
Missouri**	--	--	--	--	--
Montana	16.5	24	6.4	16.1	13.5
Nebraska	15.0	29	5.8	9.6	6.4
Nevada**	--	--	--	--	--
New Hampshire	19.8	10	9.7	16.4	8.4
New Jersey	16.1	25	4.9	--	--
New Mexico	19.9	9	5.8	15.1	9.5
New York	12.5	39	5.5	--	7.3
North Carolina	17.7	19	6.8	--	11.0
North Dakota	19.4	11	8.3	13.5	13.6
Ohio	21.1	8	9.5	13.7	12.2
Oklahoma	22.7	4	8.6	14.1	13.1
Oregon <sup>††</sup>	--	--	--	--	--
Pennsylvania**	--	--	--	--	--
Rhode Island	11.4	42	4.4	13.3	5.7
South Carolina	19.1	12	7.5	18.3	13.0
South Dakota	23.1	2	9.8	--	14.7
Tennessee	21.6	7	9.5	15.5	12.6
Texas	17.4	21	4.5	16.0	6.2
Utah	5.9	44	2.1	5.0	3.7
Vermont	13.3	38	5.2	12.8	6.7
Virginia	15.0	29	5.4	12.0	8.2
Washington <sup>††</sup>	--	--	--	--	--
West Virginia	19.1	12	8.3	11.7	14.4
Wisconsin	14.6	31	5.2	14.8	8.3
Wyoming	22.0	5	10.2	16.6	15.1
<b>City/County*</b>					
Boston, MA	10.0		3.7	10.7	4.1
Broward County, FL	11.0		3.1	9.8	4.5
Charlotte-Mecklenburg, NC	14.2		5.3	--	7.5
Chicago, IL	13.6		3.2	13.0	3.5
Dallas, TX	14.7		2.0	15.3	3.0
Detroit, MI	4.8		0.9	9.7	2.2
Duval County, FL	12.4		4.7	15.7	7.5
Houston, TX	12.3		2.2	14.6	4.0
Los Angeles, CA	9.1		2.2	8.5	3.6
Memphis, TN	7.2		2.3	10.4	1.4
Miami-Dade County, FL	10.8		3.0	8.7	3.7
Milwaukee, WI	10.4		3.2	--	--
New York City, NY	8.5		2.5	--	3.3
Orange County, FL	12.3		3.3	11.7	4.8
Palm Beach County, FL	12.8		4.2	11.5	5.9
Philadelphia, PA	9.6		3.3	6.0	2.8
San Bernardino, CA	13.6		3.0	9.1	3.7
San Diego, CA	14.2		3.7	10.5	3.9
San Francisco, CA	10.7		3.3	7.8	4.1
Seattle, WA	8.5		2.9	9.0	3.8

\*Representative of large urban school districts. †Smoked cigarettes on one or more of the 30 days preceding the survey. ‡Rank is based on % current cigarette smoking. §Smoked cigarettes on 20 or more of the 30 days preceding the survey. ¶Smoked cigars, cigarillos, or little cigars on one or more of the 30 days preceding the survey. #Used chewing tobacco, snuff, or dip on one or more of the 30 days preceding the survey. \*\*Youth Risk Behavior Surveillance System (YRBSS) does not report unweighted state survey data. ††State did not participate in the YRBSS 2011 cycle. Participation in YRBSS is a voluntary collaboration between a state's departments of health and education.

Source: Youth Risk Behavior Surveillance System, 2011, National Center for Chronic Disease Prevention and Health Promotion, Centers for Disease Control and Prevention. MMWR Morb Mortal Wkly Rep. Surveillance Summaries 2012;61(SS04).

Figure 1C. Current Cigarette Smoking\* Trends, Adults 25 Years and Older, by Education, US, 1999-2012



\*Current smoker: ever smoked 100 cigarettes in lifetime and smoking every day or some days at time of survey. †General Educational Development high school equivalency.

**Source:** National Health Interview Survey, National Center for Health Statistics, Centers for Disease Control and Prevention. 1999: MMWR Morb Mortal Wkly Rep. 2001;50(40):869-873. 2000: MMWR Morb Mortal Wkly Rep. 2002;51(29):642-645. 2001: MMWR Morb Mortal Wkly Rep. 2003;52(4):953-956 and 2003;52(42):1025. 2002: MMWR Morb Mortal Wkly Rep. 2004;53(20):427-431. 2003: MMWR Morb Mortal Wkly Rep. 2005;54(20):509-513. 2004: MMWR Morb Mortal Wkly Rep. 2005;54(44):1121-1124. 2005 & 2012: MMWR Morb Mortal Wkly Rep. 2014;63(2):29-34. 2006: MMWR Morb Mortal Wkly Rep. 2007;56(44):1157-1161. 2007 & 2008: MMWR Morb Mortal Wkly Rep. 2009;58(44):1227-1232. 2009: MMWR Morb Mortal Wkly Rep. 2010;59(35):1135-1140. 2010 & 2011: MMWR Morb Mortal Wkly Rep. 2012;61(44):889-894.

**Table 1B. Current Cigarette Smoking\* (%), Adults 18 Years and Older, US, 2012**

<b>Characteristic</b>	<b>Men</b>	<b>Women</b>	<b>Total</b>
<b>Age</b>			
18-24	20.1	14.5	17.3
25-44	25.4	17.8	21.6
45-64	20.2	18.9	19.5
≥65	10.6	7.5	8.9
<b>Race/Ethnicity</b>			
White (non-Hispanic)	21.1	18.4	19.7
Black (non-Hispanic)	22.1	14.8	18.1
Hispanic	17.2	7.8	12.5
American Indian/Alaska Native <sup>†</sup>	25.5	18.7	21.8
Asian (non-Hispanic) <sup>‡</sup>	16.7	5.5	10.7
<b>Education (years)<sup>§</sup></b>			
8 or fewer	20.2	10.6	15.2
9 to 11	38.5	26.4	32.1
12 (no diploma)	25.5	23.7	24.7
GED diploma <sup>¶</sup>	45.8	37.5	41.9
High school graduate	27.0	19.5	23.1
Some college (no degree)	22.6	19.4	20.9
Associate degree	18.7	17.2	17.9
Undergraduate degree	10.0	8.3	9.1
Graduate degree	6.3	5.5	5.9
<b>Health insurance coverage</b>			
Uninsured	32.5	25.8	29.4
Insured	17.6	14.1	15.7
<b>Total</b>	<b>20.5</b>	<b>15.8</b>	<b>18.1</b>

\*Current smoker: ever smoked 100 cigarettes in lifetime and smoking every day or some days at time of survey. †Estimates should be interpreted with caution due to small sample size. ‡Does not include Native Hawaiians or other Pacific Islanders. §Persons aged 25 years or older. ¶General Educational Development high school equivalency.

**Source:** National Health Interview Survey, 2012, National Center for Health Statistics, 2013. Centers for Disease Control and Prevention. MMWR Morb Mortal Wkly Rep. 2014;63(2):29-34.

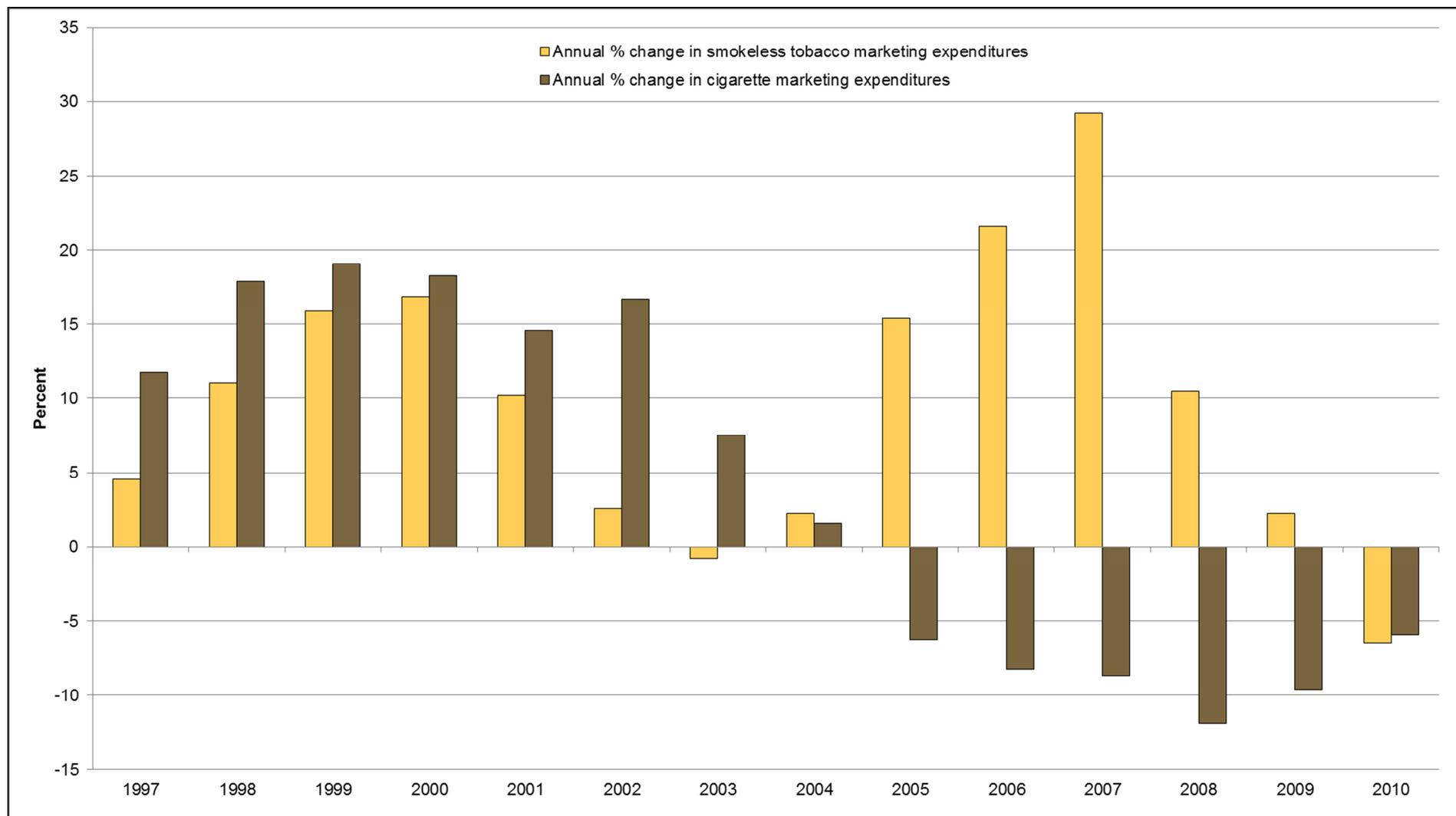
**Table 1C. Smoking-attributable Mortality Rate 2000-2004, and Tobacco Use (%), Adults, by State, US, 2009-2012**

	2000-2004		2012					2009-10	
	Smoking attributable mortality rate* / 100,000 population	Rank (1=high)	Current smoking <sup>†</sup>				Current smokeless tobacco use <sup>‡</sup>	Current cigar smoking <sup>#</sup>	
			18 and older	Rank <sup>‡</sup> (1=high)	Men 18 and older	Women 18 and older			Low education <sup>§</sup>
Alabama	318	8	23.8	9	26.4	21.4	36.5	5.8	6.5
Alaska	270	23	20.5	19	22.1	18.8	40.8	6.1	6.0
Arizona	247	37	17.1	42	19.6	14.7	21.0	3.1	3.4
Arkansas	324	7	25.0	3	27.5	22.8	36.4	7.1	6.7
California	235	46	12.6	50	15.2	10.1	15.7	1.3	6.3
Colorado	238	43	17.7	36	19.2	16.3	33.5	4.2	6.3
Connecticut	238	42	16.0	48	18.5	13.7	24.1	1.9	6.0
Delaware	281	19	19.7	23	20.7	18.9	32.6	2.5	6.0
District of Columbia	250	33	19.6	26	22.6	17.0	41.0	1.6	6.5
Florida	259	32	17.7	36	19.7	15.8	26.9	3.2	7.8
Georgia	299	12	20.4	20	23.5	17.4	36.5	4.1	6.2
Hawaii	168	50	14.6	49	17.5	11.6	20.6	2.0	4.3
Idaho	237	44	16.4	44	16.3	16.6	25.7	4.9	4.8
Illinois	263	27	18.6	31	21.1	16.2	27.3	2.5	6.5
Indiana	309	9	24.0	6	26.5	21.6	40.5	4.0	8.1
Iowa	248	35	18.1	33	19.8	16.5	31.7	4.3	3.0
Kansas	263	28	19.4	27	21.1	17.7	31.1	5.5	5.2
Kentucky	371	1	28.3	1	30.6	26.1	43.7	6.1	9.9
Louisiana	300	11	24.8	5	28.6	21.1	38.8	5.6	9.0
Maine	290	16	20.3	22	23.0	17.8	35.4	2.2	6.4
Maryland	262	29	16.2	46	17.5	14.9	30.6	2.0	5.0
Massachusetts	249	34	16.4	44	18.0	14.8	29.0	1.3	7.3
Michigan	282	18	23.3	10	23.8	22.8	45.0	3.9	7.8
Minnesota	215	49	18.8	30	21.7	16.0	33.6	4.2	3.5
Mississippi	334	4	24.0	6	27.3	21.0	37.2	7.5	11.9
Missouri	308	10	23.9	8	26.2	21.8	43.2	5.1	8.4
Montana	276	20	19.7	23	20.6	18.8	38.9	8.0	6.5
Nebraska	236	45	19.7	23	21.4	18.1	33.3	5.1	6.0
Nevada	344	3	18.1	33	19.9	16.4	23.3	3.7	6.0
New Hampshire	272	22	17.2	40	20.0	14.5	37.4	2.1	5.7
New Jersey	240	40	17.3	39	20.3	14.6	23.5	1.2	4.7
New Mexico	234	47	19.3	28	22.0	16.7	26.6	4.3	5.7
New York	246	38	16.2	46	19.5	13.2	22.4	1.9	4.3
North Carolina	298	14	20.9	18	22.6	19.3	31.1	4.1	7.9
North Dakota	226	48	21.2	17	23.6	18.8	33.8	7.3	4.7
Ohio	299	13	23.3	10	25.4	21.3	44.5	4.6	6.2
Oklahoma	332	5	23.3	10	24.4	22.2	36.9	6.7	7.9
Oregon	263	26	17.9	35	18.7	17.1	33.1	3.8	2.9
Pennsylvania	259	31	21.4	16	23.2	19.7	38.4	4.2	4.7
Rhode Island	267	25	17.4	38	18.8	16.2	30.9	1.0	8.3
South Carolina	293	15	22.5	13	26.2	19.1	36.5	3.9	4.9
South Dakota	239	41	22.0	14	24.7	19.3	29.4	6.4	4.2
Tennessee	325	6	24.9	4	27.2	22.7	40.1	5.0	6.5
Texas	273	21	18.2	32	23.4	13.1	22.4	3.9	8.9
Utah	138	51	10.6	51	11.9	9.2	25.7	3.0	1.8
Vermont	248	36	16.5	43	18.2	14.8	38.9	3.0	4.6
Virginia	267	24	19.0	29	21.6	16.6	31.8	4.3	6.8
Washington	261	30	17.2	40	18.7	15.7	31.7	3.8	5.9
West Virginia	344	2	28.2	2	28.7	27.6	39.1	8.6	6.4
Wisconsin	244	39	20.4	20	21.3	19.5	44.2	4.3	4.2
Wyoming	283	17	21.8	15	24.6	18.9	40.8	8.2	5.7
United States (median)	263		19.6		21.6	17.4	33.5	4.1	6.0
Range	138 - 371		10.6 - 28.3		11.9 - 30.6	9.2 - 27.6	15.7 - 45.0	1.0 - 8.6	1.8 - 11.9

\*Number of deaths attributable to cigarette smoking (not including burn or secondhand smoke deaths) divided by the population aged 35 years of age and older, multiplied by 100,000, adjusted to a standardized age distribution to allow comparison across states. †Smoked 100 cigarettes in their entire lifetime and are current smokers (regular and irregular). ‡Based on % 18 and older. §Adults 25 and older with less than a high school education. ¶Reported currently using chewing tobacco, snuff, or snus every day or some days. #Among ever users, used a cigar even one time and are current users (some days or every day). **Note:** BRFSS 2012 data results are not directly comparable to BRFSS data prior to 2011 because of the changes in weighting methodology and the addition of the cell phone sampling frame.

**Source:** Smoking-attributable mortality rate: Centers for Disease Control and Prevention. Smoking-attributable Mortality, Morbidity, and Economic Costs (SAMMEC), 2011. Current smoking and smokeless tobacco use: Behavioral Risk Factor Surveillance System 2012, National Center for Chronic Disease Prevention and Health Promotion, Centers for Disease Control and Prevention, 2013. Cigar use: National Adults Tobacco Survey 2009-2010, Centers for Disease Control and Prevention, 2012.

**Figure 1D. Annual Percentage Change\* in Tobacco Industry Marketing Expenditures† for Cigarettes and Smokeless Tobacco, US, 1997-2010**



\*Annual percent change is the percent change between the 3-year moving average of marketing expenditures for specified year and the 3-year moving average for the previous year. †Marketing includes advertising and promotional expenditures.

**Source:** Federal Trade Commission. Federal Trade Commission Smokeless Tobacco Report for 2011, Federal Trade Commission Cigarette Report for 2011, Washington, DC, 2013. American Cancer Society, Surveillance Research, 2014

Table 1D. Comprehensive Tobacco Control Measures, by State, US, 2014

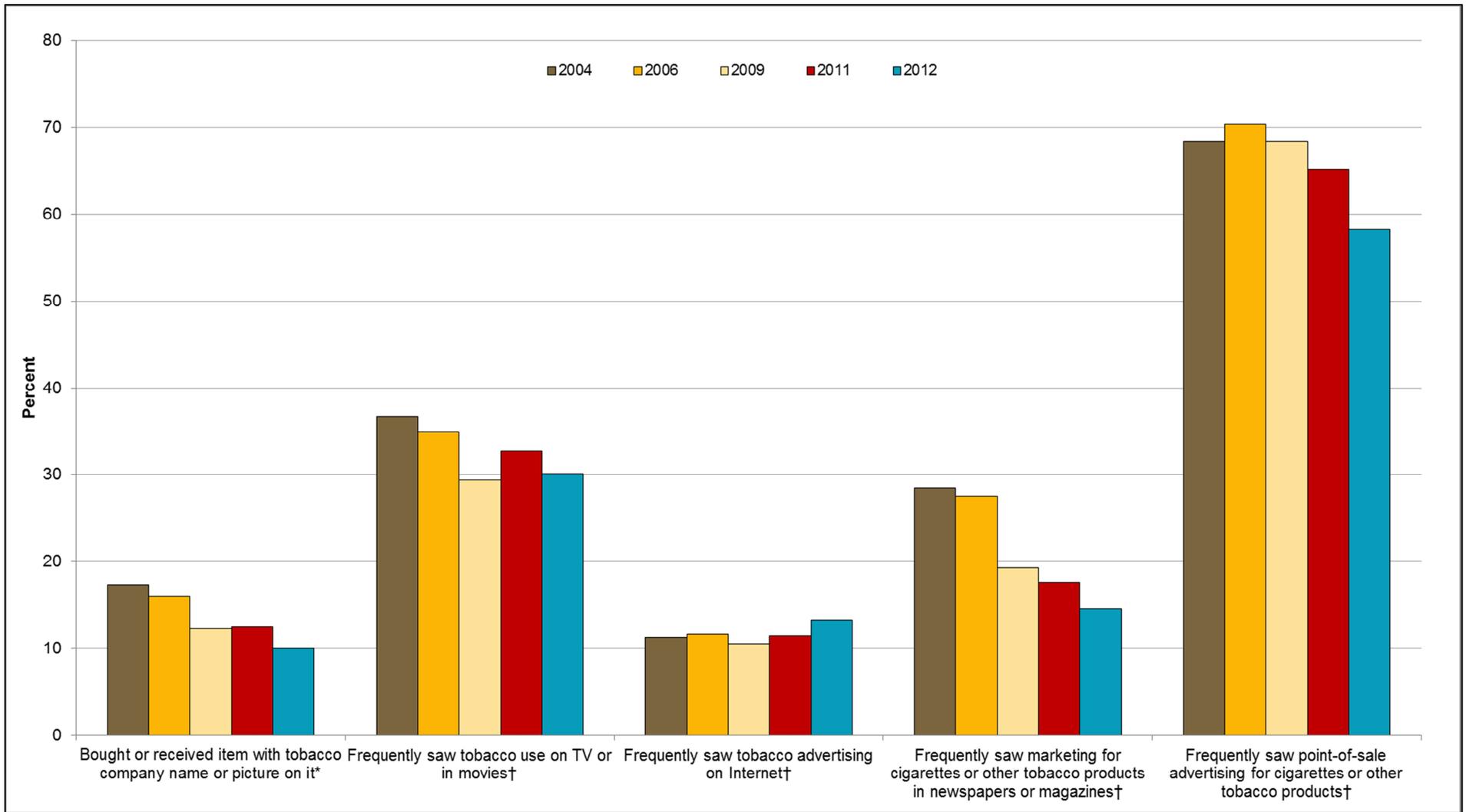
	Cigarette tax per pack (\$)*	100% smoke-free laws in workplaces and/or restaurants and/or bars†	Tobacco prevention spending (\$ millions)‡	Tobacco prevention spending % of tobacco revenue§
Alabama	0.425		0.3	0.1
Alaska	2.00		10.1	9.9
Arizona	2.00	W, R, B	18.6	4.4
Arkansas	1.15		17.5	6.2
California	0.87	R, B	64.8	4.3
Colorado	0.84	R, B	26.0	8.7
Connecticut	3.40	R, B	3.0	0.6
Delaware	1.60	W, R, B	8.3	5.8
District of Columbia	2.50	W, R, B	0.5	0.7
Florida	1.339	W, R	65.6	4.2
Georgia	0.37		2.2	0.6
Hawaii	3.20	W, R, B	7.9	4.3
Idaho	0.57	R	2.2	2.8
Illinois	1.98	W, R, B	11.1	1.0
Indiana	0.995	W, R	5.8	1.1
Iowa	1.36	W, R, B	5.1	1.7
Kansas	0.79	W, R, B	0.9	0.6
Kentucky	0.60		2.1	0.7
Louisiana	0.36	W, R	8.0	2.9
Maine	2.00	W, R, B	8.1	4.1
Maryland	2.00	W, R, B	8.5	1.8
Massachusetts	3.51	W, R, B	4.0	0.4
Michigan	2.00	W, R, B	1.5	0.1
Minnesota	2.83	W, R, B	21.3	2.8
Mississippi	0.68		10.9	4.1
Missouri	0.17		0.1	0.0
Montana	1.70	W, R, B	5.4	4.4
Nebraska	0.64	W, R, B	2.4	2.3
Nevada	0.80	W, R	1.0	0.7
New Hampshire	1.78	R, B	0.1	0.1
New Jersey	2.70	W, R, B	0.0	0.0
New Mexico	1.66	R, B	5.9	4.9
New York	4.35	W, R, B	39.3	1.7
North Carolina	0.45	R, B	1.2	0.3
North Dakota	0.44	W, R, B	9.5	14.8
Ohio	1.25	W, R, B	1.5	0.1
Oklahoma	1.03		22.7	6.5
Oregon	1.31	W, R, B	9.9	2.9
Pennsylvania	1.60	W	5.0¶	0.4
Rhode Island	3.50	W, R, B	0.4	0.2
South Carolina	0.57		5.0	2.3
South Dakota	1.53	W, R, B	4.0	4.6
Tennessee	0.62		5.0	1.2
Texas	1.41		11.2	0.6
Utah	1.70	W, R, B	7.5	4.6
Vermont	2.62	W, R, B	3.9	3.4
Virginia	0.30		9.5	3.2
Washington	3.025	W, R, B	0.8	0.1
West Virginia	0.55		5.3	3.2
Wisconsin	2.52	W, R, B	5.3	0.7
Wyoming	0.60		5.1	11.8
State average	1.533		9.53	2.9
State range	0.17-4.35		0.0-65.6	0.0-14.8

W-workplaces, R-restaurants, B-bars. \*Taxes in effect, reported as of December 2013. †Smoke-free laws passed or implemented, reported as of April 2014.

‡Includes only state funds for fiscal year 2014. §Tobacco revenue is the projected collections from tobacco taxes and payments to states from the Master Settlement agreement with the tobacco companies. ¶Estimated, not confirmed.

**Source:** Cigarette taxes, prevention spending, and funding as percentage: Robert Wood Johnson Foundation. Broken Promises to Our Children: The 1998 State Tobacco Settlement Fifteen Years Later. December 2013. Smoke-free laws: American Nonsmokers' Rights Foundation. Overview List – How Many Smokefree Laws? 2014.

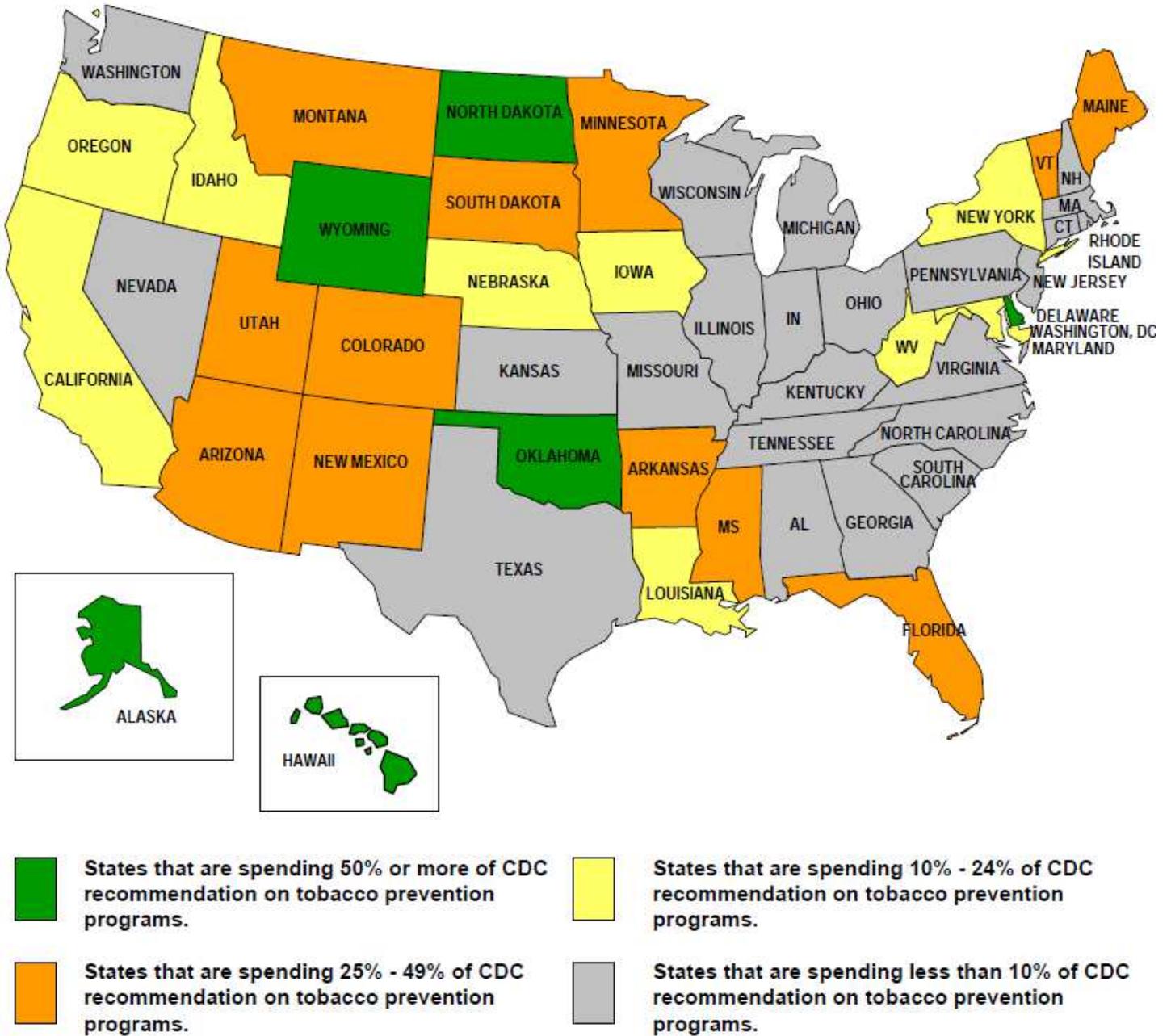
**Figure 1E. Trends in Exposure to Tobacco Marketing, Middle and High School Students, US, 2004-2012**



\*During the 12 months preceding the survey. †Respondents who reported "Most of the time," "All of the time," or "Always" among those who reported that they watch TV or go to movies; use the Internet; read newspapers or magazines; or go to convenience stores, supermarkets, or gas stations, respectively.

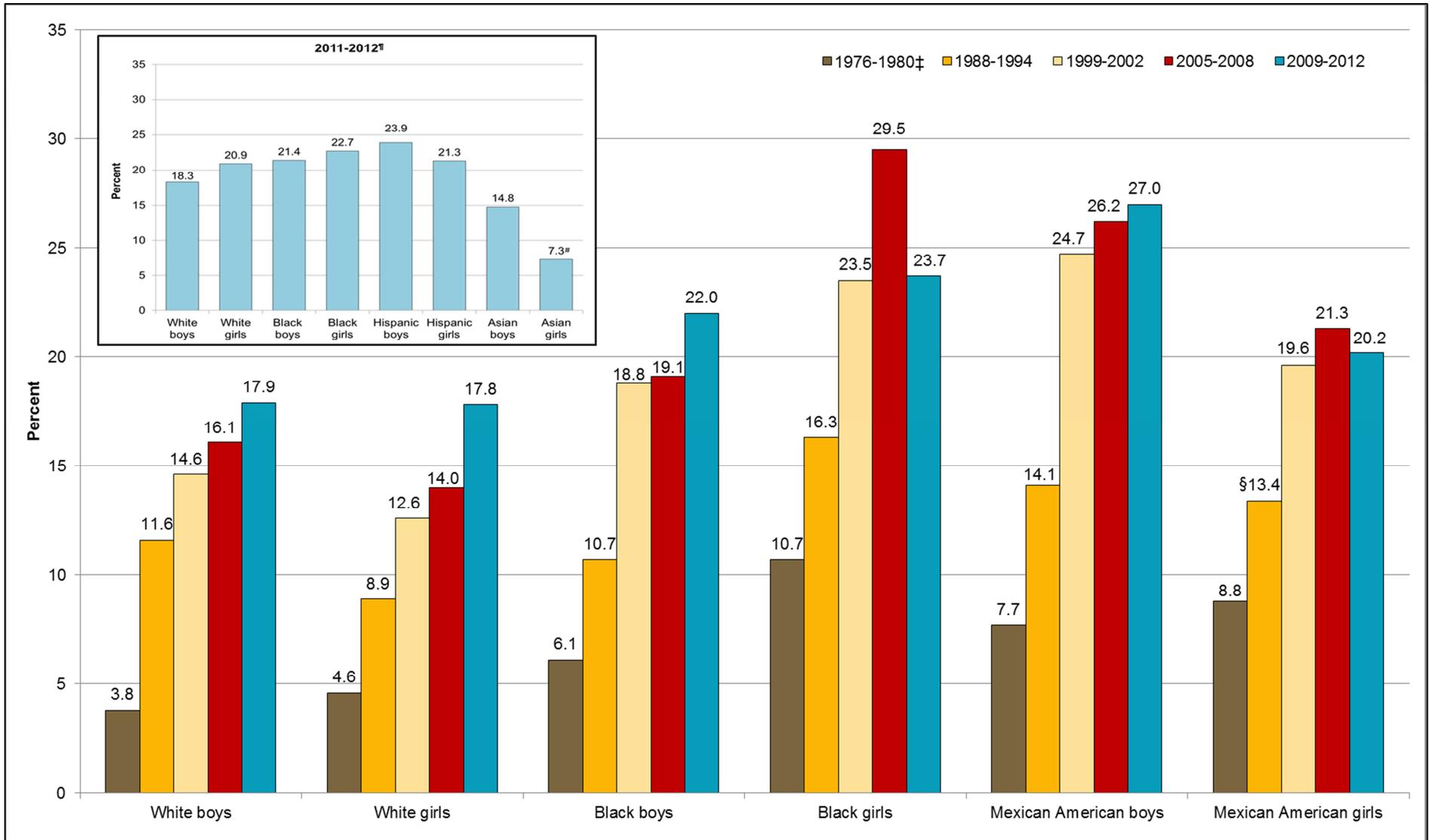
**Source:** National Youth Tobacco Surveys Public Use Data Files. Office on Smoking and Health, Centers for Disease Control and Prevention, 2005, 2008, 2010, 2014, 2014.

Figure 1F. Funding for Tobacco Prevention Programs, by State, US, Fiscal Year 2014



Source: Robert Wood Johnson Foundation. Broken Promises to Our Children: The 1998 State Tobacco Settlement Fifteen Years Later. December 2013.

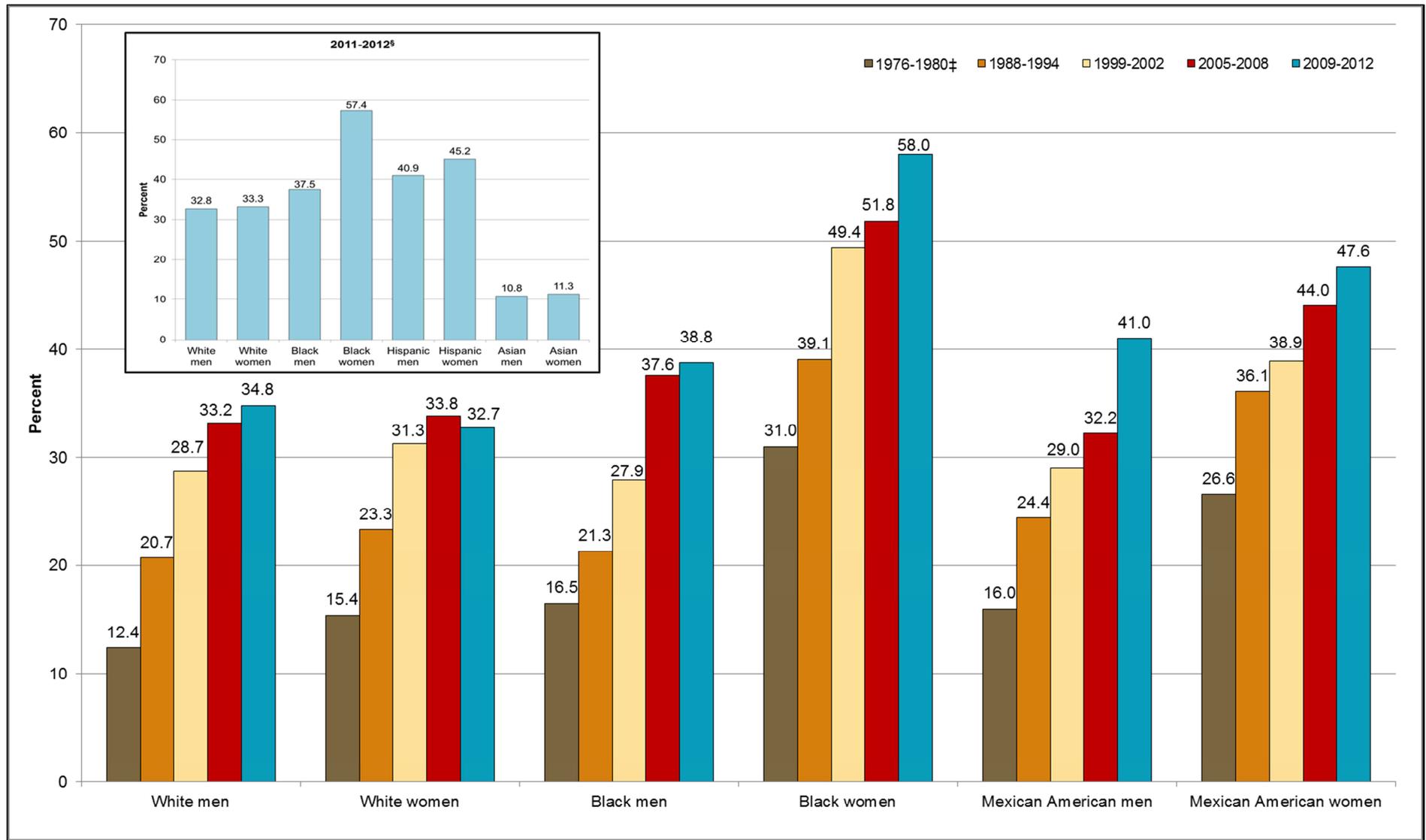
Figure 2A. Obesity\* Trends, Adolescents 12-19 Years, by Gender and Race/Ethnicity†, US, 1976-2012



\*Body mass index (BMI) at or above the sex- and age-specific 95th percentile BMI cutoff points from the 2000 sex-specific BMI-for-age CDC Growth Charts. †Persons of Mexican origins may be of any race. Whites, blacks, and Asians are all non-Hispanic (NH). Data estimates for NH white and NH black races starting in 1999 data may not be strictly comparable with estimates for earlier years because of changes in Standards for Federal Data on Race and Ethnicity. Hispanic includes all Hispanics, not just Mexican American Hispanic persons. ‡Data for Mexican Americans are for 1982-84. §Estimate is considered unreliable. ¶NH Asian persons and all Hispanic persons were over-sampled in the 2011-12 National Health and Nutrition Examination Survey sample, NH Asian persons for the first time. #Number of cases <10. Relative Standard errors >30% but <40%. **Note:** Rates are not age-adjusted.

Source: National Center for Health Statistics. Health, United States, 2013: With Special Feature on Prescription Drugs. Hyattsville, MD. 2014. Complete trend data available at: <<http://www.cdc.gov/nchs/hus/contents2013.htm#070>> Accessed: May 20, 2014. Insert: Ogden, CL, et al. JAMA. 2014;311(8):806-814

Figure 2B. Obesity\* Trends, Adults 20-74 Years, by Gender and Race/Ethnicity†, US, 1976-2012



\*Body mass index of 30.0 kg/m<sup>2</sup> or greater. †Persons of Mexican origins may be of any race. Whites, blacks, and Asians are all non-Hispanic (NH). Data estimates for NH white and NH black races starting in 1999 data may not be strictly comparable with estimates for earlier years because of changes in Standards for Federal Data on Race and Ethnicity. Hispanic includes all Hispanics, not just Mexican American Hispanic persons. ‡Data for Mexican Americans are for 1982-84. §NH Asian persons and all Hispanic persons were over-sampled in the 2011-12 National Health and Nutrition Examination Survey sample, NH Asian persons for the first time. **Note:** Rates are age-adjusted; see Statistical Notes (p. 32) for further information.

**Source:** National Center for Health Statistics. Health, United States, 2013: With Special Feature on Prescription Drugs. Hyattsville, MD. 2014. Complete trend data available at: <<http://www.cdc.gov/nchs/hus/contents2013.htm#069>> Accessed: May 20, 2014. Insert: National Health and Nutrition Examination Survey Public Use Data File, 2011-2012. National Center for Health Statistics, Centers for Disease Control and Prevention, 2014.

**Table 2A. Overweight, Obesity, and Related Factors, High School Students, by State and City/County\*, US, 2011**

	Overweight <sup>†</sup>	Obese <sup>‡</sup>	Rank <sup>§</sup> (1=high)	Watched three or more hours / day of TV <sup>¶</sup>	Met recommended levels of physical activity <sup>#</sup>	Attended PE classes daily <sup>**</sup>	Played on one or more sports team <sup>††</sup>	Consumed fruit or 100% fruit juice two or more times / day <sup>‡‡</sup>	Ate vegetables three or more times / day <sup>§§</sup>
United States	15.2	13.0		32.4	28.7	31.5	58.4	34.0	15.3
Alabama	15.8	17.0	1	40.6	28.4	35.2	54.7	29.2	14.2
Alaska	14.4	11.5	26	23.8	21.3	17.4	62.9	32.0	15.1
Arizona	13.9	10.9	34	28.6	25.0	29.6	50.4	--	--
Arkansas	15.4	15.2	7	31.8	26.7	24.2	55.7	25.8	12.4
California <sup>¶¶</sup>	--	--	--	--	--	--	--	--	--
Colorado	10.7	7.3	44	21.2	29.2	--	63.4	--	--
Connecticut	14.1	12.5	19	27.1	26.0	--	--	35.2	11.1
Delaware	16.9	12.2	20	37.3	24.9	25.3	55.3	30.3	--
District of Columbia	18.0	14.5	13	38.3	16.8	11.9	53.0	34.7	15.8
Florida	13.6	11.5	26	37.1	25.8	22.7	51.4	34.8	14.9
Georgia	15.8	15.0	9	36.6	25.2	29.7	52.4	30.8	13.3
Hawaii	13.4	13.2	15	31.7	21.0	6.9	54.8	25.5	13.9
Idaho	13.4	9.2	41	21.7	25.9	25.6	59.3	28.8	13.5
Illinois	14.5	11.6	24	29.1	23.2	71.2	58.7	31.5	11.4
Indiana	15.5	14.7	10	27.0	24.2	19.7	55.4	24.6	9.0
Iowa	14.5	13.2	15	23.5	29.1	22.6	64.1	30.9	13.2
Kansas	13.9	10.2	37	25.1	30.2	26.2	59.7	26.1	12.4
Kentucky	15.4	16.5	3	32.0	21.9	20.0	46.3	23.0	12.3
Louisiana	19.5	16.1	4	41.1	24.2	42.5	51.3	23.8	11.7
Maine	14.0	11.5	26	24.1	23.7	6.3	--	30.8	--
Maryland	15.4	12.0	23	34.2	21.4	19.3	52.8	34.7	15.3
Massachusetts	14.6	9.9	38	28.4	22.4	17.6	59.6	--	--
Michigan	15.3	12.1	21	29.5	27.0	26.7	--	31.2	12.6
Minnesota <sup>##</sup>	--	--	--	--	--	--	--	--	--
Mississippi	16.5	15.8	5	42.9	25.9	29.2	56.2	32.3	16.6
Missouri <sup>¶¶</sup>	--	--	--	--	--	--	--	--	--
Montana	12.9	8.5	43	22.1	28.7	33.1	63.2	26.9	11.9
Nebraska	13.6	11.6	24	25.2	28.0	33.5	62.9	26.9	12.2
Nevada <sup>¶¶</sup>	--	--	--	--	--	--	--	--	--
New Hampshire	14.1	12.1	21	--	--	--	--	33.9	15.5
New Jersey	15.2	11.0	31	32.9	28.0	55.2	--	30.6	13.1
New Mexico	14.4	12.8	18	29.4	26.3	28.4	--	31.2	18.1
New York	14.7	11.0	31	30.6	25.1	18.5	57.7	36.8	--
North Carolina	15.9	12.9	17	34.7	26.0	--	--	30.1	13.3
North Dakota	14.5	11.0	31	24.8	21.8	--	--	28.7	10.8
Ohio	15.3	14.7	10	30.9	25.4	23.3	55.8	26.7	11.2
Oklahoma	16.3	16.7	2	29.9	33.1	30.9	55.7	28.2	14.1
Oregon <sup>##</sup>	--	--	--	--	--	--	--	--	--
Pennsylvania <sup>¶¶</sup>	--	--	--	--	--	--	--	--	--
Rhode Island	14.9	10.8	35	28.0	26.7	23.2	55.1	34.1	14.1
South Carolina	16.3	13.3	14	39.2	25.8	24.2	52.9	25.6	11.7
South Dakota	14.1	9.8	40	23.8	27.3	20.6	--	25.9	11.3
Tennessee	17.3	15.2	7	35.1	30.2	23.2	53.8	28.7	13.2
Texas	16.0	15.6	6	37.2	27.1	36.0	57.6	29.9	10.7
Utah	12.2	8.6	42	19.3	20.8	15.7	59.6	31.7	15.3
Vermont	13.0	9.9	38	--	24.4	13.4	--	36.1	16.9
Virginia	17.2	11.1	29	31.1	24.1	17.7	57.7	30.2	12.0
Washington <sup>##</sup>	--	--	--	--	--	--	--	--	--
West Virginia	15.7	14.6	12	31.2	29.0	27.7	56.9	33.0	18.7
Wisconsin	15.0	10.4	36	24.0	27.7	37.6	--	32.9	12.7
Wyoming	12.0	11.1	29	20.6	25.8	21.7	62.7	29.8	17.5
Boston, MA	18.0	14.3		42.0	15.2	9.0	46.2	30.4	11.6
Broward County, FL	13.7	9.5		40.6	24.1	20.4	48.7	37.7	15.5
Charlotte-Mecklenburg, NC	14.9	12.8		36.6	23.4	17.5	49.3	36.5	13.4
Chicago, IL	18.2	15.5		40.8	18.2	42.5	53.9	32.5	14.1
Dallas, TX	20.4	15.3		43.1	19.7	11.9	47.9	32.3	10.2
Detroit, MI	22.7	18.9		44.4	15.1	18.5	--	26.6	9.1
Duval County, FL	15.3	11.9		41.1	17.9	9.0	47.5	27.7	12.9
Houston, TX	17.8	13.6		40.9	15.6	23.0	44.6	31.2	13.5
Los Angeles, CA	16.9	13.3		36.4	19.9	33.8	47.7	37.2	12.9
Memphis, TN	16.8	18.4		56.4	24.4	29.1	53.3	39.2	14.5
Miami-Dade County, FL	15.0	12.7		38.4	21.9	9.8	45.2	36.8	17.3
Milwaukee, WI	18.4	17.0		42.8	17.8	23.6	--	35.2	--
New York City, NY	15.5	11.6		38.0	20.3	41.3	42.8	33.9	--
Orange County, FL	12.0	10.0		33.0	24.9	25.1	52.4	34.6	15.8
Palm Beach County, FL	13.8	9.3		37.9	23.8	18.7	51.2	36.6	18.5
Philadelphia, PA	17.7	17.3		45.8	21.2	31.0	46.3	28.0	12.3
San Bernardino, CA	18.2	15.2		45.4	25.9	50.5	53.1	39.2	16.5
San Diego, CA	16.0	11.4		33.0	24.8	40.5	50.5	34.1	13.0
San Francisco, CA	11.6	7.4		26.5	13.4	23.7	--	34.3	18.4
Seattle, WA	13.4	7.9		22.7	18.6	17.5	57.3	34.1	15.6

PE- physical education. \*Representative of large urban school districts. †Body mass index (BMI) at or above 85th percentile but below 95th percentile of age- and sex-specific 2000 CDC growth chart. ‡BMI at or above 95th percentile of age- and sex-specific 2000 CDC growth chart. §Based on % obese. ¶On an average school day. #Physical activity that increased heart rate and made breathing difficult some of the time for a total of at least 60 minutes/day on all 7 days preceding the survey. \*\*Five days/week when in school. ††Operated by school or community group, during 12 months preceding survey. ‡‡During 7 days preceding survey. §§Vegetables include: green salad, potatoes (excluding French fries, fried potatoes, or potato chips), carrots, or other vegetables, during the 7 days preceding the survey. ¶¶Youth Risk Behavior Surveillance System (YRBSS) does not report unweighted state survey data. ##State did not participate in YRBSS 2011 cycle. Participation in YRBSS is a voluntary collaboration between a state's departments of health and education.

**Source:** Youth Risk Behavior Surveillance System, 2011, National Center for Chronic Disease Prevention and Health Promotion, Centers for Disease Control and Prevention. MMWR Morb Mortal Wkly Rep. Surveillance Summaries 2012;61(SS04).

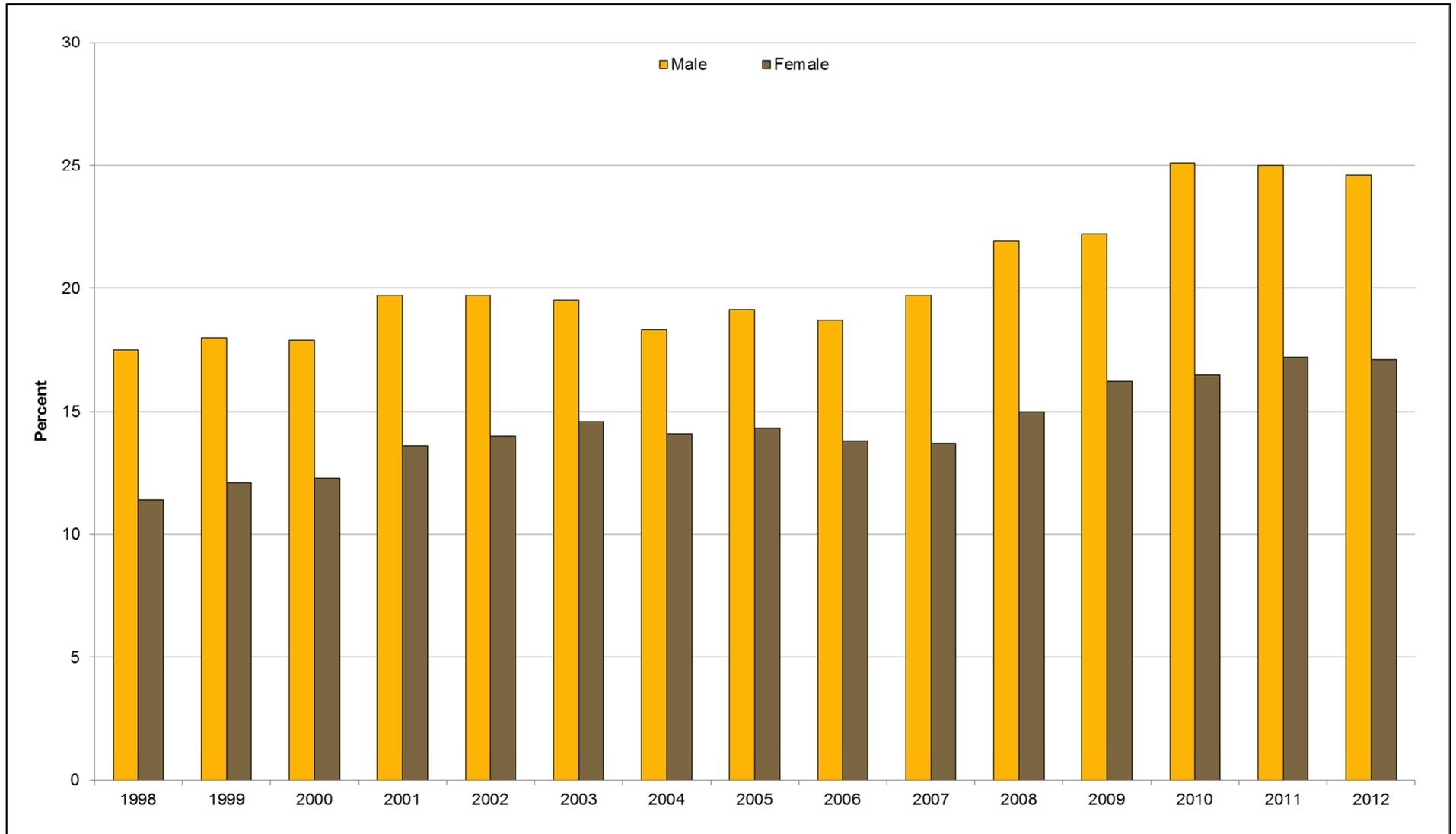
**Table 2B. Overweight, Obesity, and Related Factors, Adults 18 Years and Older, by State, US, 2011-2012**

	2012					2011		
	% Overweight (25.0 kg/m <sup>2</sup> or greater)	% Clinical overweight (25.0-29.9 kg/m <sup>2</sup> )	% Clinical obese (30.0 kg/m <sup>2</sup> or greater)	Rank* (1=high)	% No leisure-time physical activity	Physical Activity: Meet 2008 Federal Physical Activity Guidelines <sup>†</sup>	% Eating two or more fruit servings a day	% Eating three or more vegetable servings a day <sup>‡</sup>
Alabama	67.7	34.8	33.0	5	27.2	15.0	22.2	13.0
Alaska	64.8	39.1	25.7	36	18.5	25.0	31.4	17.9
Arizona	62.0	36.0	26.0	35	22.6	23.9	32.6	19.8
Arkansas	68.7	34.2	34.5	3	31.5	16.7	24.8	13.1
California	60.3	35.3	25.0	41	19.2	23.7	39.3	21.4
Colorado	55.7	35.2	20.5	51	17.0	27.3	33.2	17.2
Connecticut	62.3	36.7	25.6	39	22.1	21.8	38.1	15.9
Delaware	66.0	39.1	26.9	31	23.5	21.5	25.6	12.3
District of Columbia	51.9	30.0	21.9	50	17.4	26.3	38.3	21.5
Florida	62.1	36.9	25.2	40	23.3	21.4	32.0	16.2
Georgia	64.6	35.5	29.1	20	23.6	20.7	26.5	14.5
Hawaii	56.0	32.5	23.6	47	18.7	23.7	30.1	19.3
Idaho	62.5	35.8	26.8	32	20.3	22.4	30.3	15.7
Illinois	64.0	35.8	28.1	24	21.8	22.0	32.7	15.9
Indiana	65.5	34.1	31.4	8	25.9	17.3	29.9	12.8
Iowa	64.7	34.3	30.4	12	23.1	17.2	29.8	11.7
Kansas	65.6	35.7	29.8	14	22.9	16.5	23.8	13.5
Kentucky	66.9	35.6	31.3	9	29.7	17.3	22.8	10.9
Louisiana	69.6	34.9	34.7	1	29.9	15.5	19.0	8.0
Maine	64.2	35.8	28.3	23	20.9	20.6	35.2	16.3
Maryland	63.8	36.2	27.6	26	23.1	19.8	31.5	14.6
Massachusetts	58.8	35.9	22.9	49	19.8	23.3	35.3	15.6
Michigan	65.6	34.6	31.1	10	23.3	19.7	31.8	14.5
Minnesota	63.0	37.3	25.7	36	17.6	20.9	31.1	12.4
Mississippi	68.9	34.3	34.6	2	30.8	14.2	21.1	10.1
Missouri	65.7	36.2	29.6	17	24.7	17.3	25.7	14.4
Montana	61.3	37.0	24.3	44	20.5	21.8	29.2	14.8
Nebraska	65.0	36.4	28.6	22	21.0	19.0	29.4	12.8
Nevada	62.5	36.3	26.2	34	21.3	21.3	31.8	16.0
New Hampshire	62.1	34.9	27.3	28	20.0	22.3	37.2	19.1
New Jersey	61.6	36.9	24.6	42	24.9	23.1	31.9	13.9
New Mexico	62.8	35.7	27.1	30	21.8	22.3	32.0	16.3
New York	60.6	37.0	23.6	47	24.7	21.5	35.2	15.9
North Carolina	65.8	36.2	29.6	17	24.9	18.3	23.9	14.3
North Dakota	66.2	36.6	29.7	15	23.8	18.0	30.4	11.4
Ohio	65.3	35.2	30.1	13	25.3	21.4	28.2	12.9
Oklahoma	67.8	35.6	32.2	6	28.3	16.2	19.5	10.4
Oregon	61.2	33.8	27.3	28	16.3	23.4	35.0	20.8
Pennsylvania	64.9	35.9	29.1	20	23.5	18.8	32.2	13.3
Rhode Island	62.9	37.2	25.7	36	23.6	19.5	35.5	15.7
South Carolina	66.1	34.5	31.6	7	25.1	18.5	24.3	11.0
South Dakota	66.1	37.9	28.1	24	22.5	16.0	26.3	9.4
Tennessee	65.4	34.2	31.1	10	28.6	12.7	19.1	10.5
Texas	65.1	35.9	29.2	19	27.2	19.0	29.2	16.5
Utah	57.8	33.5	24.3	44	16.5	22.5	33.4	16.5
Vermont	60.3	36.6	23.7	46	17.2	21.6	37.6	18.4
Virginia	63.6	36.2	27.4	27	22.5	22.7	30.3	13.9
Washington	62.2	35.4	26.8	32	19.0	21.0	32.4	16.4
West Virginia	68.3	34.5	33.8	4	31.0	12.7	17.5	8.8
Wisconsin	66.4	36.8	29.7	15	20.4	22.3	34.5	12.4
Wyoming	63.3	38.7	24.6	42	21.1	21.2	30.3	15.4
United States (median)	64.2	35.8	27.6		22.9	21.0	30.4	14.5
Range	51.9 - 69.6	30.0 - 39.1	20.5 - 34.7		16.3 - 31.5	12.7 - 27.3	17.5 - 39.3	8.0 - 21.5

\*Based on % obese (30kg/m<sup>2</sup> or greater). †Met both aerobic and muscle strengthening physical activity guidelines. ‡In 2011, vegetables included cooked or canned beans, dark green vegetables, orange colored vegetables or other vegetables (excludes fried potatoes). **Note:** BRFSS 2012 data results are not directly comparable to BRFSS data prior to 2011 because of the changes in weighting methodology and the addition of the cell phone sampling frame.

**Source:** Behavioral Risk Factor Surveillance System Public Use Data Tape 2011, 2012, National Center for Chronic Disease Prevention and Health Promotion, Centers for Disease Control and Prevention, 2012, 2013.

**Figure 2C. Trends in Physical Activity\*, Adults 18 Years and Older, US, 1998-2012**



\*Met both aerobic and muscle-strengthening federal 2008 Physical Activity Guidelines for Americans; 2012 American Cancer Society Guidelines for Physical Activity are consistent with the 2008 federal guidelines. **Note:** Estimates are age-adjusted; see Statistical Notes (p. 32) for further information.

**Source:** National Center for Health Statistics. Health, United States, 2013: With Special Feature on Prescription Drugs. Hyattsville, MD. 2014. Complete trend data available at: <<http://www.cdc.gov/nchs/hus/contents2013.htm#068>> Accessed: May 21, 2014.

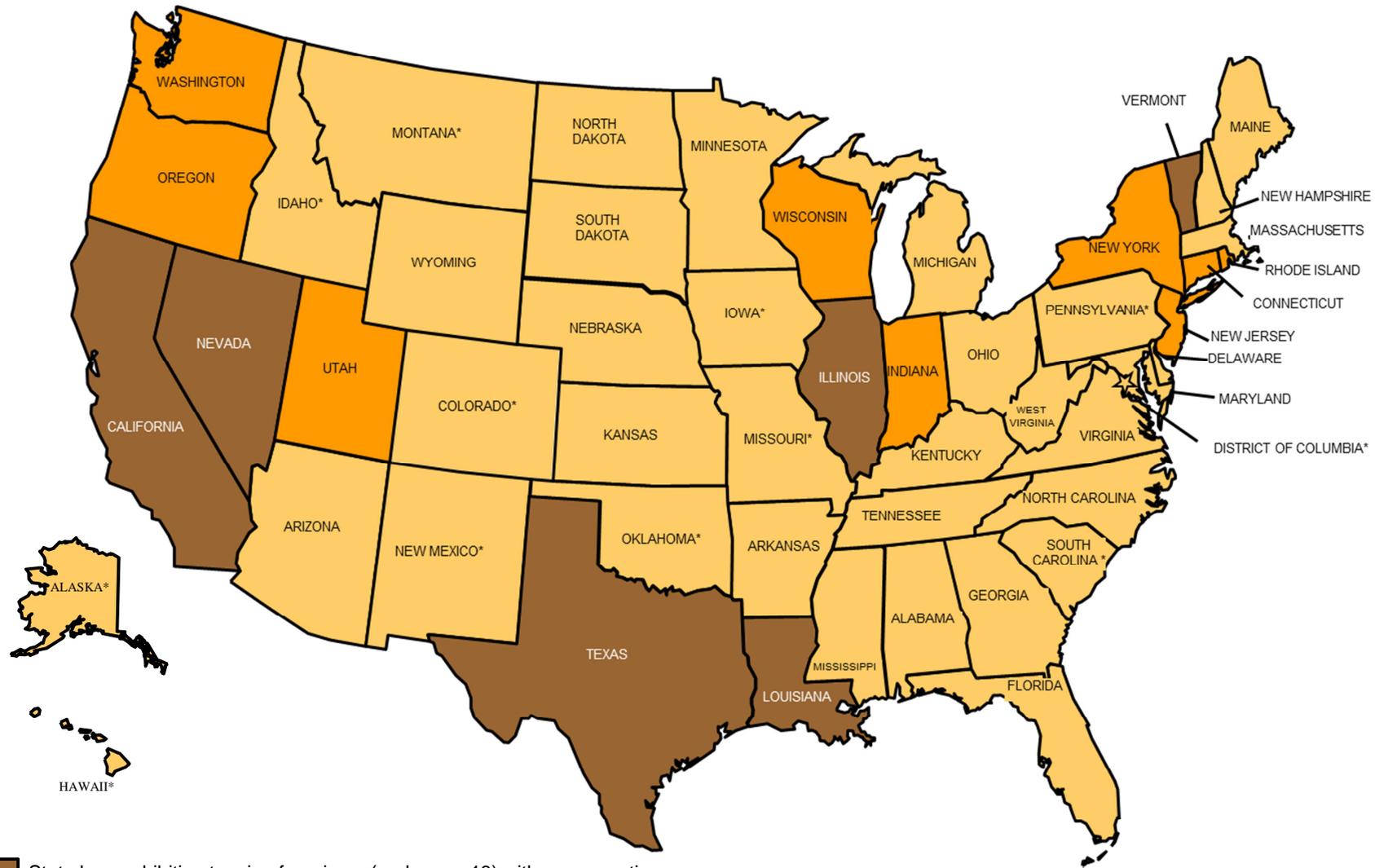
**Table 3A. Use (%) of an Indoor Tanning Device\*, Adults 18 Years and Older, US, 2010**

<b>Characteristic</b>	<b>Men</b>	<b>Women</b>	<b>Total</b>
<b>Age</b>			
18–29	3.9	18.9	11.3
30–39	2.5	9.2	5.9
40–49	2.6	9.2	5.9
50–64	1.4	4.3	2.9
≥65	0.4 <sup>†</sup>	1.1	0.8
<b>Race/Ethnicity</b>			
White (non-Hispanic)	3.3	12.9	8.1
Black (non-Hispanic)	0.1 <sup>†</sup>	0.4 <sup>†</sup>	0.3 <sup>†</sup>
Hispanic	0.4	2.9	1.6
<b>Education</b>			
Some high school or less	0.9 <sup>†</sup>	4.8	2.7
High school graduate	2.4	9.4	5.6
Some college or technical school	2.9	11.5	7.5
College graduate	2.1	7.5	5.0
<b>Region<sup>‡</sup></b>			
Northeast	1.5	7.3	4.4
Midwest	3.6	13.7	8.8
South	2.3	8.5	5.5
West	1.3	6.0	3.6
<b>Total</b>	<b>2.2</b>	<b>8.9</b>	<b>5.6</b>

\*Used a sunlamp, sunbed, or tanning booth at least once in the 12 months preceding the survey. †Estimate considered unreliable. ‡Northeast: Connecticut, Maine, Massachusetts, New Jersey, New Hampshire, New York, Pennsylvania, Rhode Island, and Vermont; Midwest: Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin; South: Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia; West: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, New Mexico, Nevada, Oregon, Utah, Washington, and Wyoming. **Note:** Estimates are age-adjusted; see Statistical Notes (p. 32) for further information.

**Source:** National Health Interview Survey, 2010, National Center for Health Statistics, Centers for Disease Control and Prevention. MMWR Morb Mortal Wkly Rep 2012;61(18):323-326.

**Figure 3A. Indoor Tanning Restrictions for Minors\*, by State, US, 2014**



- State law prohibiting tanning for minors (under age 18) with no exemptions.
- State law prohibits tanning for those under 17 (NY, NJ, CT), or under 16 (WI, IN). State law requires parental accompaniment for every visit for those under 18 (UT), allows for physician prescription under 18 (OR, WA), or prohibits tanning for under age 18 unless a signed parental permission slip is obtained for every two visits (RI).
- No state law regarding tanning (indicated with an \*), state law prohibits those 14 or 15 or under, law allows for signed parental permission, or law requires parental accompaniment for every visit under for 16 or younger.

\*Legislation signed by governor, reported as of April 25, 2014.

Source: American Cancer Society Cancer Action Network, Health Policy Tracking Service & Individual state bill tracking services.

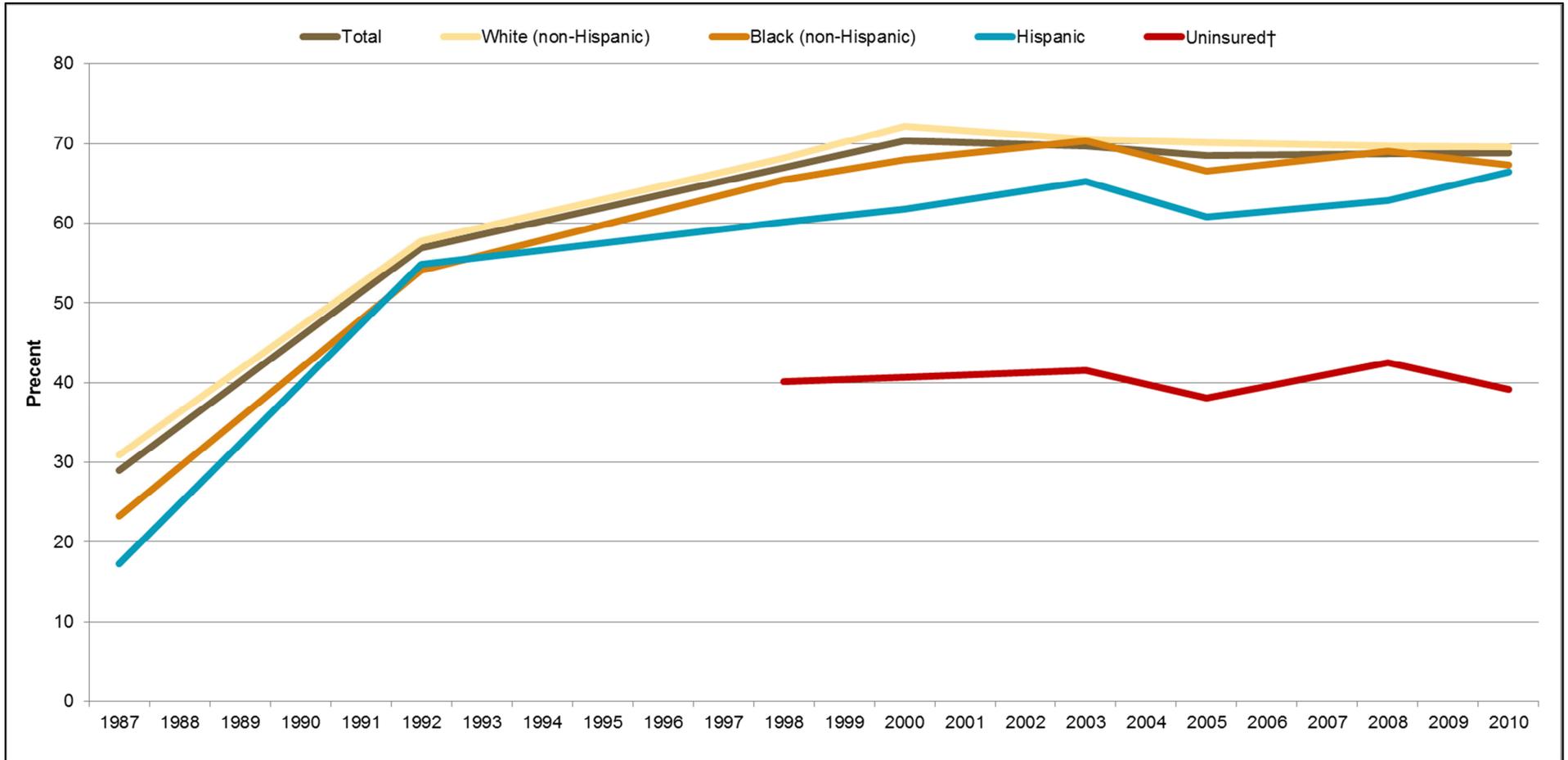
**Table 4A. Mammography (%), Women 40 Years and Older, US, 2010**

	Mammogram within the past year*	Mammogram within the past two years*
<b>Age</b>		
40-49	46.8	62.3
50-64	56.1	72.7
65+	49.2	64.3
<b>Race/Ethnicity</b>		
Hispanic/Latino	46.5	64.4
White (non-Hispanic)	51.5	67.0
Black (non-Hispanic)	50.6	65.9
American Indian and Alaska Native <sup>†</sup>	50.2	68.7
Asian American (non- Hispanic) <sup>‡</sup>	47.7	61.9
<b>Education (years)</b>		
11 or fewer	37.7	51.7
12	48.5	63.7
13-15	53.3	68.6
16 or more	57.0	74.6
<b>Health insurance coverage</b>		
No	16.9	31.5
Yes	54.9	70.7
<b>Immigration<sup>§</sup></b>		
Born in US	51.6	67.1
Born in US territory	43.0	67.9
In US fewer than 10 yrs	26.8	37.4
In US 10+ years	47.7	65.2
<b>Total</b>	<b>50.8</b>	<b>66.5</b>

\*Percentages are age adjusted to the 2000 US standard population; see Statistical Notes (p. 32) for further information. †Estimates should be interpreted with caution because of the small sample sizes. ‡Does not include Native Hawaiians or other Pacific Islanders. §Definition has changed such that individuals born in the US or in a US territory are reported separately from individuals born outside the US. Individuals born in a US territory have been in the US for any length of time. **Note:** Due to questionnaire changes over time, estimates for trends are calculated differently than estimates for a single year and cannot be compared. If interested in 2010 data only, use data presented here.

**Source:** National Health Interview Survey Public Use Data File 2010, National Center for Health Statistics, Centers for Disease Control and Prevention, 2011.

**Figure 4A. Mammography within the Past Two Years\*, Women 40 Years and Older, among Race/Ethnic Categories and the Uninsured†, US, 1987-2010**



\*Estimates for race and ethnic groups are age adjusted to the 2000 US standard population; see Statistical Notes (p. 32) for further information. Data shown for years: 1987, 1992, 1998, 2000, 2003, 2005, 2008, and 2010. †Among women aged 40 to 64 years; not age adjusted. **Note:** Due to questionnaire changes over time, estimates for trends are calculated differently than estimates for a single year and cannot be compared. If interested in 2010 data only, use Table 4A.

**Source:** 1987-2003: National Cancer Institute. Cancer Trends Progress Report – 2007 Update. Available at [progressreport.cancer.gov](http://progressreport.cancer.gov). Accessed September 10, 2009. Centers for Disease Control and Prevention, National Center for Health Statistics, Health, United States, 2008, With Special Feature on the Health of Young Adults. Hyattsville, Maryland: 2009. 2005, 2008, 2010: National Health Interview Survey Public Use Data File 2005, 2008, 2010. National Center for Health Statistics, Centers for Disease Control and Prevention, 2006, 2009, 2011.

**Table 4B. Mammography and Clinical Breast Exam (%) within the Past Year, Women 40 Years and Older, by State, US, 2012**

	Mammogram					Mammogram and Clinical Breast Exam*				
	40 years and older	40 to 64 years	65 years and older	No usual source of medical care <sup>†</sup>	No health insurance <sup>‡</sup>	40 years and older	40 to 64 years	65 years and older	No usual source of medical care <sup>†</sup>	No health insurance <sup>‡</sup>
Alabama	59.0	58.3	60.4	28.4	31.3	49.0	51.1	44.4	21.4	26.9
Alaska	53.6	52.5	57.5	35.3	29.7	47.7	47.4	48.5	29.0	27.8
Arizona	53.0	49.6	59.7	26.7	22.4	43.2	41.9	45.8	21.1	15.5
Arkansas	49.8	47.3	54.4	29.0	25.0	39.6	40.2	38.5	20.4	21.3
California	58.5	57.0	62.0	28.8	33.4	46.9	48.8	42.4	22.7	28.7
Colorado	52.3	50.8	56.2	22.3	23.0	43.1	43.3	42.6	17.7	17.1
Connecticut	65.9	66.9	63.8	27.9	39.3	58.2	61.5	51.4	23.4	31.7
Delaware	67.6	66.3	70.0	30.0	40.9	58.4	59.0	57.1	25.0	32.0
District of Columbia	62.6	61.7	64.5	25.1	§	55.6	56.8	53.3	18.9	§
Florida	59.0	55.4	65.2	28.3	28.7	47.2	46.2	48.8	21.2	20.9
Georgia	62.1	58.8	70.3	32.6	27.2	53.3	52.6	55.0	26.8	22.6
Hawaii	58.6	58.6	58.7	35.7	30.2	44.5	47.8	37.9	23.1	22.6
Idaho	49.1	46.3	55.2	20.5	16.2	43.5	42.1	46.5	18.1	15.0
Illinois	57.7	56.9	59.7	30.4	36.6	47.8	48.9	45.2	25.5	33.3
Indiana	52.4	50.2	57.0	18.1	23.0	42.0	42.8	40.1	13.4	13.4
Iowa	61.0	60.1	62.8	34.8	30.1	51.5	53.8	47.2	30.8	25.1
Kansas	60.0	59.5	61.0	29.5	29.6	50.5	52.8	45.8	25.1	26.1
Kentucky	57.3	56.4	59.1	25.8	29.4	46.8	49.2	41.7	17.3	23.3
Louisiana	60.0	59.8	60.5	36.6	40.8	50.0	51.5	46.6	29.4	31.6
Maine	65.0	64.6	65.8	24.1	34.0	55.4	57.0	52.1	19.3	26.7
Maryland	64.8	64.3	65.9	37.6	35.6	56.1	57.3	53.3	27.1	26.9
Massachusetts	72.1	72.3	71.6	39.9	43.8	62.7	64.2	59.5	30.3	36.8
Michigan	59.2	57.9	61.9	20.5	28.9	50.9	51.7	49.1	17.7	25.2
Minnesota	63.4	61.4	67.7	38.8	35.2	56.0	55.8	56.7	34.7	34.6
Mississippi	52.4	51.3	54.8	27.4	27.1	43.5	44.7	41.1	23.7	22.1
Missouri	58.4	55.5	64.4	25.3	28.5	46.6	47.4	45.2	20.2	20.6
Montana	50.4	49.2	52.6	19.4	26.5	42.6	42.6	42.7	14.9	24.3
Nebraska	54.4	53.9	55.3	26.0	35.3	45.4	47.6	40.8	22.4	30.3
Nevada	49.6	47.8	53.6	27.7	23.2	39.9	40.8	37.7	24.6	19.8
New Hampshire	64.6	63.5	67.1	24.0	36.3	54.8	55.9	52.1	21.0	30.6
New Jersey	61.2	61.9	59.7	41.4	44.4	53.3	55.7	47.9	34.9	35.1
New Mexico	49.9	48.2	53.4	24.9	28.2	41.3	41.9	39.9	18.2	25.4
New York	62.0	62.5	61.0	41.6	37.1	53.6	54.3	52.1	31.3	28.4
North Carolina	61.5	59.1	66.9	28.7	27.4	53.4	53.0	54.3	23.8	22.9
North Dakota	58.2	56.4	61.4	31.0	27.2	50.1	50.6	49.4	27.7	27.6
Ohio	60.3	58.9	63.2	28.0	29.3	50.0	51.7	46.5	24.7	26.6
Oklahoma	52.4	51.3	54.8	24.1	25.0	41.9	43.5	38.7	20.4	20.7
Oregon	53.9	50.1	61.8	22.1	25.2	40.7	40.2	41.8	19.5	22.7
Pennsylvania	59.8	58.6	61.9	28.1	31.2	49.4	50.9	46.6	21.9	25.2
Rhode Island	67.0	65.7	69.6	27.7	44.1	58.5	58.9	57.8	23.8	36.4
South Carolina	54.3	51.6	59.8	24.7	22.5	43.3	42.2	45.5	18.6	16.1
South Dakota	61.5	61.3	61.9	37.3	28.8	53.0	55.6	48.1	31.6	25.8
Tennessee	56.5	54.7	60.3	27.9	25.2	49.1	48.5	50.5	26.4	23.1
Texas	53.6	51.0	60.1	22.5	21.3	44.9	45.0	44.7	19.4	18.1
Utah	50.1	49.1	52.8	29.8	27.8	37.9	38.4	36.5	21.6	21.6
Vermont	61.2	60.7	62.5	23.6	30.8	51.9	52.9	49.6	16.4	26.1
Virginia	64.3	64.0	65.2	41.7	43.5	56.1	57.4	52.8	36.5	39.8
Washington	55.6	53.4	60.5	28.3	26.9	44.1	44.0	44.3	20.8	22.3
West Virginia	58.3	58.0	59.0	25.0	36.4	47.8	49.2	45.1	20.2	33.3
Wisconsin	63.4	61.1	68.1	21.8	36.2	56.8	56.1	58.4	20.0	35.8
Wyoming	47.3	45.9	50.7	26.6	25.6	39.5	40.8	36.6	24.0	24.1
United States (median)	58.6	57.9	61.0	27.9	29.4	49.0	49.2	46.5	22.4	25.3
Range	47.3-72.1	45.9-72.3	50.7-71.6	18.1-41.7	16.2-44.4	37.9-62.7	38.4-64.2	36.5-59.5	13.4-36.5	13.4-39.8

\*Both a mammogram and clinical breast exam within the past year. †Among women 40 years and older with no personal doctor or health care provider. ‡Among women aged 40 to 64 years. §Sample size is insufficient to provide a stable estimate. **Note:** BRFSS 2012 data results are not directly comparable to BRFSS data prior to 2011 because of the changes in weighting methodology and the addition of the cell phone sampling frame.

**Source:** Behavioral Risk Factor Surveillance System 2012 Public Use Data, National Center for Chronic Disease Prevention and Health Promotion, Centers for Disease Control and Prevention, 2013.

**Table 4C. Vaccination Coverage among US Adolescents 13-17 Years, by Race/Ethnicity and Poverty, 2012**

Characteristic	Human Papillomavirus				Hepatitis B
	Girls		Boys		Total
	% Initiation ( $\geq 1$ dose)	% Completion Rate*	% Initiation ( $\geq 1$ dose)	% Completion Rate*	% Three or more doses
<b>Race/Ethnicity</b>					
White (non-Hispanic)	51.1	71.8	15.2	45.2	93.7
Black	50.1	63.7	25.9	27.8	92.5
Hispanic	62.9	59.3	31.7	52.1	91.1
American Indian and Alaska Native	67.7	55.4	24.9	--	94.1
Asian American (non- Hispanic)	55.9	61.8	22.3	62.7	92.0
<b>Poverty Level<sup>†</sup></b>					
Below poverty	64.9	59.3	29.9	43.6	91.3
At or above poverty	50.4	69.9	17.3	47.2	93.3
<b>Total</b>	<b>53.8</b>	<b>66.7</b>	<b>20.8</b>	<b>45.1</b>	<b>92.8</b>

\*Proportion with at least one dose who completed the 3-dose series. †Adolescents were classified as below poverty if their total family income was less than the federal poverty level.

**Source:** National Immunization Survey-Teen (NIS-Teen), 2012, National Center for Health Statistics, Centers for Disease Control and Prevention; MMWR Morb Mortal Wkly Rep. 2013; 62(34) ; 685-693.

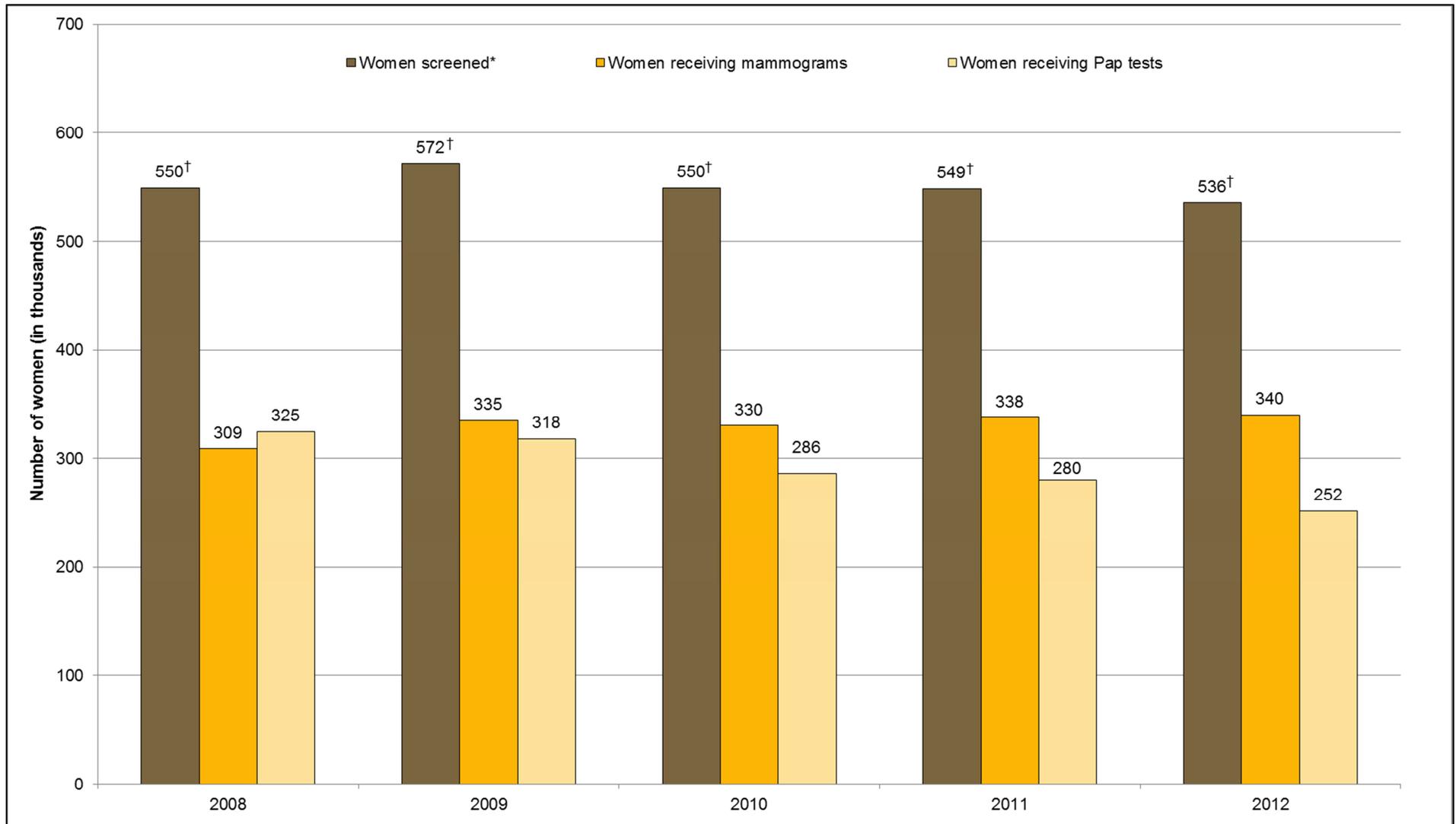
**Table 4D. Pap Test, Women 21-65 Years, US, 2010**

<b>Characteristic</b>	<b>% Pap test within past three years*</b>
<b>Age</b>	
21-30	84.1
31-40	84.7
41-50	82.5
51-65	80.8
<b>Race/Ethnicity</b>	
Hispanic/Latino	78.7
White (non-Hispanic)	83.4
Black (non-Hispanic)	85.0
American Indian and Alaska Native <sup>†</sup>	78.7
Asian American (non-Hispanic) <sup>‡</sup>	75.4
<b>Education (years)<sup>§</sup></b>	
11 or fewer	69.4
12	77.7
13 to 15	85.3
16 or more	89.0
<b>Health insurance coverage</b>	
No	63.8
Yes	85.1
<b>Immigration<sup>¶</sup></b>	
Born in US	85.0
In US fewer than 10 yrs	67.1
In US 10+ years	77.8
<b>Total</b>	<b>83.0</b>

\*Among women 21-65 years of age with intact uteri. †Estimates should be interpreted with caution because of the small sample sizes. ‡Does not include Native Hawaiians or other Pacific Islanders. §Women aged 25 years of age and older. ¶Definition has changed such that individuals born in the US or in a US territory are reported separately from individuals born outside the US. Individuals born in a US territory have been in the US for any length of time.  
**Note:** Estimates are age adjusted to the 2000 US standard population; see Statistical Notes (p. 32) for further information.

**Source:** National Health Interview Survey Public Use Data File 2010, National Center for Health Statistics, Centers for Disease Control and Prevention, 2011.

**Figure 4B. Number of Women Screened in the National Breast and Cervical Cancer Early Detection Program (NBCCEDP), 2008-2012**



\*Screening includes mammogram, clinical breast exam, or Pap test. <sup>†</sup>Some women were screened for both breast and cervical cancer so total number of women screened is less than the sum of the number screened for each cancer type. **Note:** This figure is not comparable with that in previous issues of *Cancer Prevention & Early Detection Fact & Figures* because the NBCCEDP now reports data by calendar year rather than program year.

**Source:** National Breast and Cervical Cancer Early Detection Program, Centers for Disease Control and Prevention, October 2013.

American Cancer Society, Surveillance Research, 2014

**Table 4E. Human Papillomavirus (HPV) Vaccination Coverage among Adolescents (13-17 Years) and Pap Test among Women (21-65 Years), by State, US, 2012**

	% HPV Vaccination Coverage				% Recent Pap Test*		
	Girls		Boys		Overall	No usual source of medical care <sup>†</sup>	No health insurance <sup>‡</sup>
	≥1 HPV	≥3 HPV	≥1 HPV	≥3 HPV			
Alabama	46.6	31.1	17.8	--	84.0	69.7	69.6
Alaska	56.1	31.4	14.1	--	83.5	71.9	69.5
Arizona	54.3	36.9	19.7	--	78.8	62.9	64.0
Arkansas	41.2	18.3	12.7	--	79.0	66.8	70.8
California	65.0	35.8	29.4	11.7	85.6	72.1	74.9
Colorado	61.4	38	31.3	--	85.5	69.0	72.4
Connecticut	57.6	43.6	20.3	8.5	88.0	66.7	67.4
Delaware	67.2	50.4	26.2	10.7	88.9	74.6	73.4
District of Columbia	57.8	38.5	33.8	4.8	88.1	81.7	77.8
Florida	39.4	25.3	21.4	--	80.4	66.0	62.7
Georgia	52.3	29.0	19.5	--	84.4	71.9	71.8
Hawaii	64.6	43.4	43.1	15.6	82.2	57.2	61.0
Idaho	51.3	27.8	16.2	--	74.6	62.7	63.6
Illinois	41.2	21.1	24.3	--	85.7	69.3	75.9
Indiana	48.4	35.2	17.2	--	80.4	58.7	58.2
Iowa	57.5	35.6	19.4	--	87.0	71.7	73.0
Kansas	42.7	25.1	13.5	--	84.8	72.3	72.7
Kentucky	51.2	34.9	--	--	81.6	68.6	68.6
Louisiana	62.1	40.5	20.6	--	85.0	71.1	74.7
Maine	61.7	41.8	25.3	12.1	87.9	53.5	71.3
Maryland	42.7	30.9	20.2	--	88.2	79.4	75.2
Massachusetts	69.3	43	25.5	--	89.6	68.6	72.6
Michigan	48.1	32.2	13.1	--	86.2	65.7	64.1
Minnesota	59.4	33.1	15.2	--	87.8	74.4	74.1
Mississippi	39.7	12.1	20.9	--	80.9	73.1	69.5
Missouri	51.6	34.5	21.7	--	82.3	67.0	64.6
Montana	55.1	41.6	16.8	--	82.2	68.2	68.0
Nebraska	67.5	37.3	19.6	7.0	83.9	69.9	72.1
Nevada	62.5	37.2	11.6	--	77.4	66.4	66.2
New Hampshire	52.2	34.5	20.5	--	86.9	58.6	65.1
New Jersey	54.6	31.6	19.8	--	84.9	70.4	71.5
New Mexico	51.1	30.3	20.2	--	83.0	71.3	70.5
New York	56.0	39.7	17.9	--	82.6	65.5	70.8
North Carolina	53.3	35.5	18.8	8.6	86.3	70.9	70.6
North Dakota	60.3	40.9	18.6	--	84.3	71.1	68.5
Ohio	56.4	31.9	15.2	--	84.5	69.2	65.6
Oklahoma	55.1	38.4	24.4	10.6	81.0	67.0	69.5
Oregon	58.5	38.6	14.5	--	80.3	53.8	64.4
Pennsylvania	57.4	44.6	21.9	5.3	83.2	61.6	64.3
Rhode Island	73.7	57.7	55.2	17.7	88.7	66.5	76.8
South Carolina	41.9	26.6	18.1	--	82.1	65.2	66.3
South Dakota	51.0	31.8	19.8	--	86.7	74.6	63.9
Tennessee	54.3	28.6	20.3	--	85.8	72.6	71.9
Texas	51.2	30.3	24.0	7.0	80.6	68.5	71.5
Utah	44.3	24.1	--	--	79.1	63.4	68.2
Vermont	66.4	46.2	25.7	10.6	86.8	60.2	61.2
Virginia	50.9	27.9	12.1	--	87.4	78.0	74.4
Washington	64.5	43.5	14.9	--	83.0	68.0	68.8
West Virginia	45.2	36.1	18.3	--	80.9	66.5	69.8
Wisconsin	50.5	37.5	19.3	--	85.2	67.8	70.4
Wyoming	53.9	30.3	11.2	--	79.9	70.0	69.3
United States	53.8	33.4	20.8	6.8	84.3 <sup>§</sup>	68.6 <sup>§</sup>	69.6 <sup>§</sup>
Range					74.6 - 89.6	53.5 - 81.7	58.2 - 77.8

\*Within preceding three years, among women with intact uteri. †Among women with no personal doctor or health care provider. ‡Among women aged 21-64 years. §Median. **Note:** BRFSS 2012 data results are not directly comparable to BRFSS data prior to 2011 because of the changes in weighting methodology and the addition of the cell phone sampling frame.

**Source:** HPV Vaccination: National Immunization Survey-Teen, 2012; MMWR Morbidity and Mortality Weekly Report 2013; 62(34): 685-693. PapTest: Behavioral Risk Factor Surveillance System 2012 Public Use Data, National Center for Chronic Disease Prevention and Health Promotion, Centers for Disease Control and Prevention, 2013.

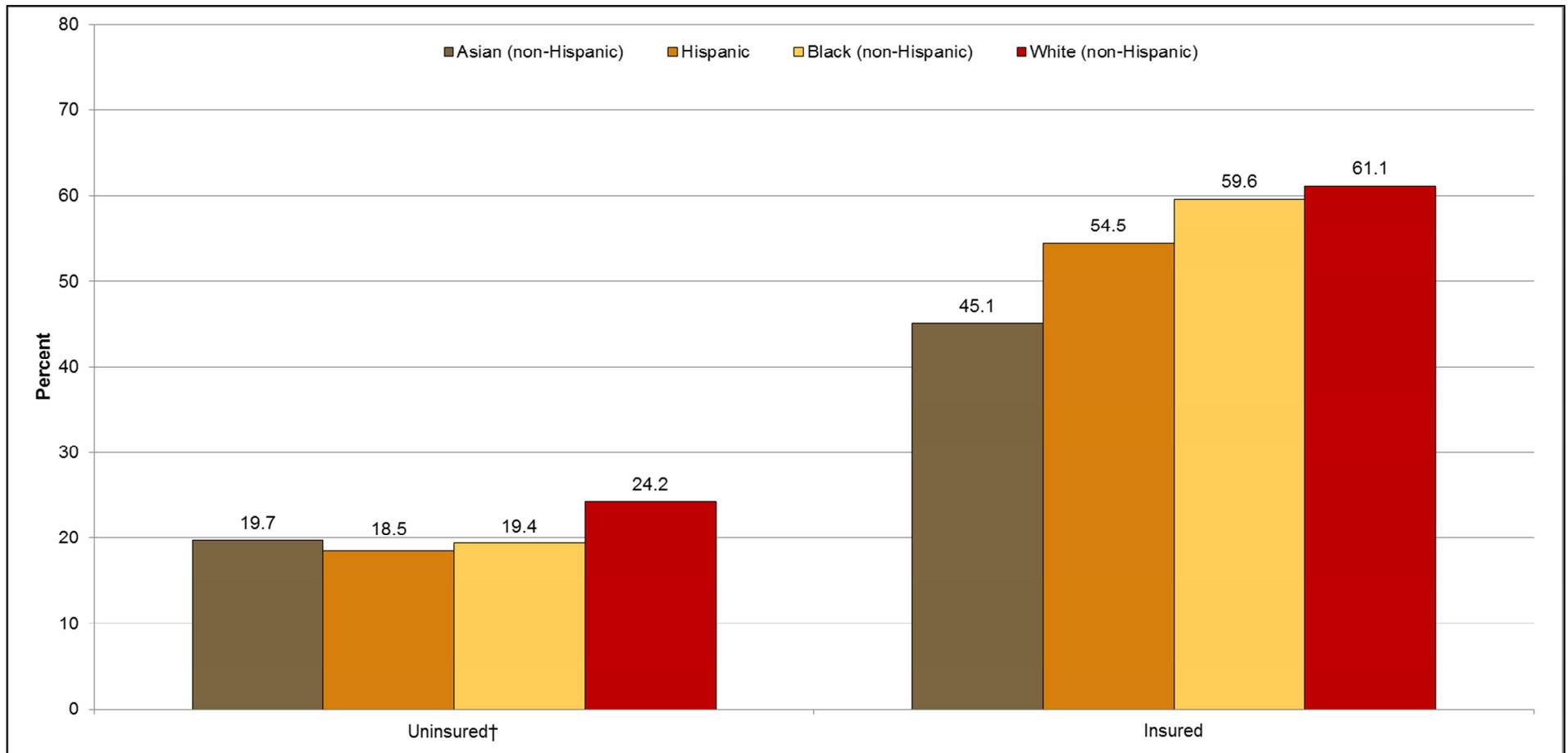
Table 4F. Colorectal Cancer Screening (%), Adults 50 Years and Older, US, 2010

Characteristic	Fecal Occult Blood Test*	Endoscopy <sup>†</sup>	Combined FOBT/Endoscopy <sup>‡</sup>
<b>Gender</b>			
Male	9.0	57.4	60.2
Female	8.6	55.6	58.3
<b>Age (years)</b>			
50-64	8.0	52.3	55.2
65+	9.7	61.2	63.7
<b>Race/Ethnicity</b>			
Hispanic/Latino	5.6	45.3	47.0
White (non-Hispanic)	9.2	58.5	61.5
Black (non-Hispanic)	8.4	53.0	55.5
American Indian and Alaska Native <sup>§</sup>	6.1	46.5	48.1
Asian American (non-Hispanic) <sup>¶</sup>	6.9	44.5	45.9
<b>Education (years)</b>			
11 or fewer	5.8	42.1	43.9
12	6.8	51.9	54.2
13 to 15	11.0	59.5	63.1
16 or more	10.4	66.7	69.2
<b>Health Insurance Coverage</b>			
No	1.6	17.8	18.8
Yes	9.2	59.4	62.2
<b>Immigration<sup>#</sup></b>			
Born in US	9.2	58.0	60.9
Born in US territory	4.7	53.3	55.6
In US fewer than 10 years	1.7	24.1	25.3
In US 10 years or more	6.5	46.5	48.4
<b>Total</b>	<b>8.8</b>	<b>56.4</b>	<b>59.1</b>

FOBT-fecal occult blood test. \*A home fecal occult blood test within the past year. †A sigmoidoscopy within the past five years or a colonoscopy within the past 10 years. ‡Either a fecal occult blood test within the past year, sigmoidoscopy within the past five years or a colonoscopy within the past 10 years. §Estimates should be interpreted with caution because of the small samples sizes. ¶Does not include Native Hawaiians or other Pacific Islanders. #Definition has changed such that individuals born in the US or in a US territory are reported separately from individuals born outside the US. Individuals born in a US territory have been in the US for any length of time. **Note:** The 2010 estimates for endoscopy and combined FOBT/endoscopy are not comparable to estimates from 2008 and prior because of changes in questions assessing endoscopy use. Percentages are age adjusted to the 2000 US standard population; see Statistical Notes (p. 32) for further information.

**Source:** National Health Interview Survey Public Use Data File 2010, National Center for Health Statistics, Centers for Disease Control and Prevention, 2011.

**Figure 4C. Colorectal Cancer Screening\*, Adults 50-64 Years, by Race/Ethnicity and Insurance Status, US, 2010**



\*Either a fecal occult blood test within the past year or sigmoidoscopy within the past 5 years or colonoscopy within the past 10 years. †At the time of the interview. **Note:** Estimates are age adjusted to 2000 standard US population; see Statistical Notes (p. 32) for further information.

**Source:** National Health Interview Survey Public Use Data File 2010. National Center for Health Statistics, Centers for Disease Control, 2011.

American Cancer Society, Surveillance Research, 2014

Table 4G. Colorectal Cancer Screening (%), Adults 50 Years and Older, by State, US, 2012

	Fecal Occult Blood Test*					Endoscopy†					Combined FOBT / Endoscopy past 10 years‡
	50 years and older	50 to 64 years	65 years and older	No usual source of medical care‡	No health insurance§	50 years and older	50 to 64 years	65 years and older	No usual source of medical care‡	No health insurance§	
Alabama	9.7	8.2	11.8	3.2	5.4	64.1	58.0	72.5	25.1	30.4	65.7
Alaska	6.8	5.9	9.0	2.8	2.5	56.0	51.3	67.4	35.4	25.5	57.2
Arizona	9.9	7.2	13.3	2.8	3.0	58.2	50.6	67.9	26.3	26.9	59.7
Arkansas	9.1	7.1	11.6	4.4	4.6	57.0	49.6	66.3	27.1	30.0	59.0
California	19.5	18.9	20.6	6.9	6.9	62.0	53.8	75.2	24.8	23.7	69.2
Colorado	10.0	8.9	12.0	3.1	4.6	62.4	56.1	73.0	25.5	27.7	65.5
Connecticut	10.8	8.7	13.8	1.8	5.1	70.8	67.4	75.7	27.8	27.6	72.0
Delaware	7.8	6.0	10.2	4.6	1.8	71.5	66.5	78.2	41.2	41.2	72.0
District of Columbia	14.9	12.6	18.1	7.3	5.5	66.8	59.2	77.5	31.9	35.9	69.2
Florida	13.6	9.5	18.2	3.0	3.9	65.0	56.3	74.7	30.1	28.3	68.0
Georgia	12.3	11.3	13.8	4.5	4.5	66.0	60.6	74.6	31.3	31.7	67.9
Hawaii	13.1	13.6	12.5	10.4	6.9	60.0	53.7	68.5	23.0	27.3	64.8
Idaho	7.7	6.5	9.3	1.6	4.5	60.6	51.2	73.7	29.6	24.5	62.3
Illinois	6.9	4.4	10.7	2.8	5.1	60.6	55.6	68.3	24.5	39.0	62.5
Indiana	9.0	8.7	9.4	2.5	5.3	58.6	52.3	67.7	19.4	25.6	60.9
Iowa	9.0	7.2	11.3	3.7	1.4	65.2	60.0	72.2	37.3	39.3	66.9
Kansas	11.1	9.4	13.5	5.4	7.8	63.2	57.6	71.4	32.6	29.9	65.7
Kentucky	9.0	7.2	11.6	3.5	5.0	62.0	57.5	68.6	27.4	26.9	63.3
Louisiana	10.8	10.2	11.7	7.3	10.7	58.8	51.0	70.5	28.1	29.3	61.4
Maine	9.0	6.6	12.3	3.5	4.1	71.7	68.7	75.7	32.3	35.7	73.0
Maryland	11.8	9.1	16.2	3.3	5.4	69.1	64.0	77.2	30.3	38.1	70.4
Massachusetts	10.9	8.4	14.5	5.9	6.5	73.8	71.8	76.4	36.7	46.1	75.6
Michigan	9.6	7.8	12.1	1.7	3.5	68.2	63.8	74.6	29.2	32.7	69.3
Minnesota	5.3	4.1	7.1	2.1	3.0	70.0	65.5	76.9	44.5	39.1	70.7
Mississippi	11.4	10.4	12.7	7.5	7.7	56.9	49.7	67.2	33.2	28.2	58.8
Missouri	8.0	6.3	10.2	4.2	2.2	62.4	57.0	70.0	27.3	23.9	64.6
Montana	6.4	5.6	7.6	1.9	5.0	55.8	48.8	65.6	25.2	25.8	57.5
Nebraska	7.5	6.1	9.4	3.5	5.7	60.1	55.3	66.8	25.9	29.3	62.1
Nevada	12.6	8.1	19.1	4.8	1.6	56.6	50.7	65.1	26.6	28.0	59.3
New Hampshire	8.0	5.4	12.2	5.5	3.7	73.8	70.5	78.9	35.5	39.7	74.7
New Jersey	8.4	6.6	10.9	3.6	4.8	61.8	55.9	70.5	30.8	32.4	63.1
New Mexico	8.6	7.5	10.1	4.5	4.7	56.8	49.7	67.1	24.6	23.0	58.8
New York	8.7	6.7	11.3	3.9	4.4	68.6	63.6	75.1	36.7	43.9	69.8
North Carolina	11.6	9.4	14.8	5.4	5.6	66.8	60.1	76.5	30.3	28.7	68.2
North Dakota	8.3	7.0	10.0	3.4	3.5	57.9	49.8	68.9	33.9	27.7	59.8
Ohio	9.4	7.8	11.7	5.9	7.4	61.4	56.0	69.3	32.2	29.3	64.0
Oklahoma	7.9	6.8	9.4	3.1	2.0	57.4	49.5	68.3	24.1	21.7	59.8
Oregon	10.1	9.1	11.5	3.9	5.5	63.6	57.0	73.3	22.3	22.4	65.8
Pennsylvania	9.2	7.9	10.8	7.0	5.3	65.1	60.2	71.4	32.8	39.1	67.2
Rhode Island	8.9	7.2	11.2	3.9	6.5	71.9	65.8	80.5	26.7	39.9	73.0
South Carolina	7.5	5.8	9.7	4.6	3.8	64.6	58.3	73.2	26.1	24.3	65.4
South Dakota	8.4	7.2	10.0	2.3	6.1	61.9	55.9	69.9	31.7	34.4	63.8
Tennessee	10.9	9.2	13.4	3.1	5.9	63.9	57.9	72.8	27.6	26.7	65.0
Texas	8.8	7.6	10.7	3.3	5.8	58.3	50.1	71.3	20.9	17.7	60.1
Utah	3.5	2.8	4.7	1.6	2.9	67.6	63.1	74.7	37.6	31.4	66.8
Vermont	8.6	5.4	13.7	2.1	3.9	69.7	65.6	76.0	36.7	32.1	71.2
Virginia	9.5	8.1	11.8	4.7	5.7	66.6	62.5	73.1	33.2	36.5	68.0
Washington	10.4	8.5	13.2	2.8	4.9	66.4	60.3	75.8	30.0	32.5	68.6
West Virginia	12.9	10.8	15.7	6.7	8.4	60.0	56.4	64.7	25.4	27.0	62.9
Wisconsin	7.2	4.5	11.2	1.7	4.2	70.7	64.8	79.3	35.5	41.6	72.1
Wyoming	5.4	4.6	6.8	2.4	4.8	55.9	49.4	66.4	31.7	31.3	57.1
United States (median)	9.0	7.5	11.6	3.5	4.9	63.2	57.0	72.5	30.0	29.3	65.5
Range	3.5-19.5	2.8-18.9	4.7-20.6	1.6-10.4	1.4-10.7	55.8-73.8	48.8-71.8	64.7-80.5	19.4-44.5	17.7-46.1	57.1-75.6

\*A fecal occult blood test within the past year. †Sigmoidoscopy or colonoscopy within the preceding 10 years. ‡Adults aged 50 years and older with no personal doctor or healthcare provider. §Among adults aged 50 to 64 years. ¶A fecal occult blood test within the past year or a sigmoidoscopy or colonoscopy within the preceding 10 years. **Note:** The colorectal cancer screening prevalence estimates do not distinguish between examinations for screening and diagnosis. BRFSS 2012 data results are not directly comparable to BRFSS data prior to 2011 because of the changes in weighting methodology and the addition of the cell phone sampling frame.

**Source:** Behavioral Risk Factor Surveillance System 2012 Public Use Data, National Center for Chronic Disease Prevention and Health Promotion, Centers for Disease Control and Prevention, 2013.

**Table 4H. Prostate Cancer Test Use, Men 50 Years and Older, US, 2010**

<b>Characteristic</b>	<b>% PSA in the past year*</b>
<b>Age (years)</b>	
50-64	34.4
65+	49.6
<b>Race/Ethnicity</b>	
Hispanic/Latino	24.3
White (non-Hispanic)	44.4
Black (non-Hispanic)	35.2
American Indian and Alaska Native	†
Asian American (non-Hispanic)‡	34.4
<b>Education (years)</b>	
11 or fewer	26.2
12	34.8
13 to 15	43.0
16 or more	53.9
<b>Health Insurance Coverage</b>	
No	13.9
Yes	43.5
<b>Immigration§</b>	
Born in US	43.1
Born in US territory	28.3
In US fewer than 10 years	15.0
In US 10+ years	30.8
<b>Total</b>	<b>41.3</b>

\*A prostate-specific antigen test within the past year for men aged 50 years and older who did not report that they had ever been diagnosed with prostate cancer. †Estimate could not be generated because of insufficient sample size. ‡Does not include Native Hawaiians or other Pacific Islanders. §Definition has changed such that individuals born in the US or in a US territory are reported separately from individuals born outside the US. Individuals born in a US territory have been in the US for any length of time. **Note:** The 2010 estimate for PSA screening is not comparable to estimates from 2003 and prior years because of changes in the population surveyed. Estimates are age adjusted to 2000 US standard population, see Statistical Notes (p. 32) for further information.

**Source:** National Health Interview Survey Public Use Data File 2010, National Center for Health Statistics, Centers for Disease Control and Prevention, 2011.

Table 4I. Prostate Cancer Test Use (%), Men 50 Years and Older, by State, US, 2010\*

	Recent Prostate-specific Antigen Test <sup>†</sup>					Recent Digital Rectal Exam <sup>‡</sup>				
	50 years and older	50 to 64 years	65 years and older	No usual source of medical care <sup>§</sup>	No health insurance <sup>¶</sup>	50 years and older	50 to 64 years	65 years and older	No usual source of medical care <sup>§</sup>	No health insurance <sup>¶</sup>
Alabama	55.5	50.8	63.0	23.3	16.5	41.9	38.8	47.0	20.1	23.9
Alaska	42.5	36.4	60.0	22.5	15.8	45.1	43.6	49.1	24.5	18.1
Arizona	50.0	40.9	68.8	12.5	5.5	43.0	36.9	55.8	12.1	4.0
Arkansas	55.1	51.6	60.8	32.1	29.2	40.6	36.7	47.0	22.2	16.5
California	46.9	41.6	57.8	19.3	15.6	40.9	36.1	50.7	13.5	10.6
Colorado	49.0	44.2	59.3	20.6	21.7	46.2	42.7	53.7	18.7	19.2
Connecticut	58.8	54.8	66.2	18.1	25.3	59.6	57.6	63.3	19.1	21.8
Delaware	55.9	51.8	62.6	13.9	#	47.8	46.0	50.8	9.0	#
District of Columbia	53.8	50.0	63.3	23.0	#	51.7	47.9	61.5	15.7	#
Florida	60.2	51.1	74.2	21.6	19.4	47.7	41.2	58.0	16.5	14.3
Georgia	61.4	56.1	73.2	22.7	28.7	51.7	48.3	58.9	20.5	24.5
Hawaii	40.3	37.0	45.2	14.6	#	27.3	24.3	31.7	7.1	3.7
Idaho	46.7	38.5	62.1	20.4	18.0	38.9	34.4	47.2	17.5	13.0
Illinois	45.8	40.4	56.2	23.8	17.4	39.9	35.1	49.2	26.3	20.7
Indiana	51.9	45.7	64.1	16.5	25.3	42.7	38.2	51.5	12.4	20.6
Iowa	51.7	45.9	61.4	20.1	29.2	48.6	44.2	56.1	15.6	27.9
Kansas	56.8	49.7	70.7	19.1	27.4	46.3	42.6	53.5	11.0	17.2
Kentucky	51.6	46.2	61.7	17.2	17.4	38.4	35.6	43.6	8.7	13.5
Louisiana	58.8	55.5	65.1	28.3	27.5	40.1	34.9	50.1	19.5	17.4
Maine	49.1	44.3	58.0	21.5	27.1	52.6	49.5	58.4	17.0	30.6
Maryland	58.5	53.9	67.3	22.8	23.8	55.4	53.6	58.7	16.5	23.2
Massachusetts	58.0	53.2	67.1	17.6	31.1	64.1	63.4	65.4	27.3	45.1
Michigan	54.6	48.8	66.0	10.0	17.2	51.6	48.9	56.8	15.0	30.3
Minnesota	49.8	42.5	64.5	27.8	22.7	47.7	43.9	55.7	27.7	19.7
Mississippi	54.8	48.3	66.6	19.1	22.3	39.4	34.4	48.7	15.7	17.2
Missouri	53.8	49.3	62.1	15.7	17.9	42.5	38.6	49.4	12.0	10.6
Montana	49.5	44.0	60.1	23.8	20.1	40.6	36.3	48.8	13.6	16.2
Nebraska	49.1	45.0	56.5	27.3	29.1	36.8	34.4	41.0	22.3	22.1
Nevada	53.4	46.9	64.6	14.9	25.5	35.9	31.3	44.0	16.6	23.3
New Hampshire	55.3	50.9	64.0	18.6	18.9	58.2	56.0	62.7	18.5	24.3
New Jersey	58.8	53.4	69.2	27.2	24.2	47.6	44.0	54.6	20.6	20.0
New Mexico	50.6	46.2	58.3	20.7	18.8	41.0	37.4	47.3	16.5	15.1
New York	58.9	51.8	71.3	26.6	32.3	50.5	47.3	56.2	22.8	22.3
North Carolina	58.5	52.8	69.2	22.7	19.2	56.4	51.9	64.9	18.7	18.3
North Dakota	48.8	43.0	58.9	20.0	18.0	42.8	37.1	53.0	15.4	16.8
Ohio	54.1	46.0	69.3	17.8	19.5	46.0	42.7	52.2	14.1	14.8
Oklahoma	48.4	43.1	57.7	17.4	12.4	35.5	32.6	40.6	9.8	12.0
Oregon	47.6	43.1	55.3	15.0	13.7	40.1	36.7	46.0	10.8	8.9
Pennsylvania	53.7	47.3	64.8	12.9	27.2	46.1	41.9	53.7	12.1	21.5
Rhode Island	58.2	54.2	66.0	20.1	24.0	62.7	60.4	67.1	20.7	27.0
South Carolina	56.8	50.8	67.7	24.4	26.9	45.0	40.7	52.9	16.6	21.1
South Dakota	60.7	55.0	70.7	21.5	28.1	47.4	44.8	51.9	14.3	21.4
Tennessee	50.4	44.4	61.5	21.3	15.6	41.9	37.4	50.2	15.5	8.7
Texas	53.8	48.8	64.0	19.0	28.4	43.1	41.0	47.3	14.8	20.2
Utah	48.5	43.9	57.9	17.8	22.0	43.6	42.4	46.2	13.9	20.6
Vermont	48.9	44.6	58.0	10.3	22.5	50.5	46.9	57.7	16.3	16.8
Virginia	56.4	50.5	67.1	16.6	33.0	50.5	47.6	55.7	19.3	34.7
Washington	45.8	41.1	55.3	19.5	14.9	43.9	40.9	50.2	17.6	13.7
West Virginia	54.1	48.9	62.4	20.0	19.2	36.0	29.6	46.3	12.5	9.9
Wisconsin	50.7	45.2	61.3	21.3	23.6	47.4	44.2	53.4	19.2	22.5
Wyoming	58.2	55.8	63.3	33.5	37.9	29.9	25.8	38.6	12.1	14.8
United States (median)	53.8	47.3	63.3	20.1	22.4	45.0	41.2	51.9	16.5	19.2
Range	40.3-61.4	36.4-56.1	45.2-74.2	10.0-33.5	5.5-37.9	27.3-64.1	24.3-63.4	31.7-67.1	7.1-27.7	3.7-45.1

\*Due to questionnaire changes, the estimates as presented here could not be updated using 2012 survey results. †A prostate-specific antigen test within the past year for men aged 50 years and older who reported they were not told by a doctor, nurse, or other health professional that they had prostate cancer. ‡A digital rectal exam within the past year for men aged 50 years and older who reported they were not told by a doctor, nurse, or other health professional that they had prostate cancer. §Men 50 years and older with no personal doctor or health care provider. ¶Among men aged 50 to 64 years. #Sample size is insufficient to provide a stable estimate.

Source: Behavioral Risk Factor Surveillance System 2010 Public Use Data, National Center for Chronic Disease Prevention and Health Promotion, Centers for Disease Control and Prevention, 2011.

American Cancer Society, Surveillance Research, 2014

## STATISTICAL NOTES

### Sample Surveys

In measuring the prevalence of certain behaviors in a population, it is usually costly and unfeasible to survey every person. Therefore, most population-based surveys are conducted by choosing a randomly selected sample of people to estimate the true prevalence in a population. Such surveys are considered to have high external validity; therefore, results are considered applicable to the entire population that the sample represents. All of the adult and youth statistics presented in this publication have been weighted and are estimates of the true prevalence in the population. The population-based survey methodology introduces sampling error to the estimated prevalence since a true prevalence is not calculated. In addition, a standard error is associated with the estimated prevalence and can be used to calculate the confidence interval (see Other Statistical Terms, below).

**Prevalence:** The percentage of people exhibiting the behavior out of the total number in the defined population. For example, in 2004, 60.5% of Florida women 40 years of age and older had a mammogram within the past year. The percentage of people exhibiting the behavior is 60.5%, and the defined population is women 40 years of age and older living in Florida in 2004.

**Population:** A group of people defined by the survey. For example, the Behavioral Risk Factor Surveillance System (BRFSS) targets adults 18 and older, and the Youth Risk Behavior Surveillance System (YRBSS) targets students in grades nine through 12 at public and private high schools.

**Population-based surveys:** A survey conducted to estimate the prevalence of a disease, risk factor, or other characteristic in an entire population in a city, state, or nation. For example, the BRFSS is designed to represent all residents in a given state, and the YRBSS is designed to represent all high school students in a given city or state, or nationwide.

**Sample:** A smaller group of people chosen from the population defined by the survey. The sample is chosen based on the age, race, ethnic, and gender demographics of a given city, state, or nationwide. At times, population-based surveys will oversample a particular age, race, ethnic, or gender group. This oversampling provides enough responses to make valid estimates for a particular population of interest.

**Weighted data:** Data that are representative of an entire city or state, or nationwide. Once the sample of the population has completed the survey, statistical analyses are conducted to extrapolate the surveyed group's responses to the entire population (city or state, or nationwide). For example, BRFSS data in this publication are representative of all non-institutionalized, civilian adults with telephones. The YRBSS data in this publication are representative of all public and private high school students in grades nine through 12.

**Standard error:** A measure of variability around the estimated prevalence. A small value indicates a more precise prevalence estimate, whereas a larger value indicates a less precise prevalence estimate. The size of this measure is dependent upon the size of the sample.

**Data quality:** The sources of data used for this report are from government-sponsored national and state systems of behavioral surveillance. These systems employ systematic, standardized techniques for sampling and use the latest advances in survey research methodology to survey

targeted population groups on an ongoing basis in order to monitor a variety of characteristics (e.g., behaviors). The design and administration of these surveillance systems can provide sources of good-quality data from which to derive population estimates of specific behaviors in a targeted population. However, factors such as cost, feasibility, and practical aspects of monitoring behaviors in the population may play a role in data quality. Therefore, the data reported in this report are subject to three limitations. First, with regard to telephone-based surveys such as the BRFSS, the participants are those from households with a telephone. Second, both in-person and telephone surveys have varying proportions of individuals who do not participate for a variety of reasons (e.g., cannot be reached during the time of data collection or refused to participate once reached). Third, survey measures in general are based on self-reported data, which may be subject to recall bias and cannot be easily validated.

**Comparison of survey estimates over time:** When studying trends in risk factor and screening behavior estimates using this and prior *Cancer Prevention & Early Detection Facts & Figures* reports, it is important that readers pay particular attention to the footnotes in tables and figures that alert to changes in survey questions that may make comparisons over time inaccurate.

### **Other Statistical Terms**

**Age-adjusted prevalence:** A statistical method used to adjust prevalence estimates to allow for valid comparisons between populations with different age compositions.

**Range:** The lowest and highest values of a group of prevalence estimates. The distance between the prevalence estimate to the minimum or maximum of its 95% CI.

**US definition for state tables:** In previous editions of *Cancer Prevention & Early Detection Facts and Figures*, the state-based BRFSS data were aggregated to represent the U.S. However, beginning with this set of tables and figures, median BRFSS values are reported for the U.S. Due to the differences in sampling methodology and survey methods, the median BRFSS value reported will most likely not be the same as the U.S. estimate reported by the National Health Interview Survey (NHIS).

## SURVEY SOURCES

The statistics reported in this publication are compiled from several different publicly available surveys designed to provide prevalence estimates of health-related behaviors and practices for a city, state, or nationwide. The survey design varies; some surveys provide prevalence estimates on a national level, whereas some surveys provide estimates on a state level. A brief description of each survey follows:

**Behavioral Risk Factor Surveillance System (BRFSS)** The BRFSS is a survey conducted by the Centers for Disease Control and Prevention (CDC) and the National Center for Chronic Disease Prevention and Health Promotion (NCCDPHP). This survey of the US states and territories is designed to provide state prevalence estimates on behavioral risk factors such as cigarette smoking, physical activity, and cancer screening. Data are gathered through monthly, computer-assisted telephone interviews with adults ages 18 years and older, living in households in a state or US territory. The BRFSS is an annual survey, and all 50 states, the District of Columbia, and Puerto Rico have participated since 1996. The methods are generally comparable from state to state and from year to year, which allows states to monitor the effects in interventions over time. In past years of the survey, the prevalence estimates are only applicable to adults living in households with a residential telephone line. Beginning in 2011, data collection has expanded to include adults living in cellular phone-only households (no landlines). Improved weighting, adjustment, and estimation methods were developed to reduce the potential for bias and allow the survey to maintain validity despite declining response rates and the incorporation of cellular telephone interviews. For more information, visit the BRFSS website at [cdc.gov/brfss/](http://cdc.gov/brfss/).

**National Adult Tobacco Survey (NATS)** The NATS is a survey of the CDC's NCCDPHP. The survey is designed to provide data representative at both the national and state levels. Adults aged 18 years and older who live in households in the U.S. are interviewed over the telephone (landline or cellular). Survey data provide estimates of tobacco use prevalence and other factors supporting the use and avoidance of tobacco among adults. The NATS is an annual survey that began in 2009. For more information, visit the NATS website at [cdc.gov/tobacco/data\\_statistics/surveys/nats/](http://cdc.gov/tobacco/data_statistics/surveys/nats/).

**National Health and Nutrition Examination Survey (NHANES)** The NHANES is a survey of the CDC's National Center for Health Statistics (NCHS). The survey is designed to provide national prevalence estimates on the health and nutritional status of US adults and children, such as prevalence of major diseases, nutritional disorders, and potential risk factors of diseases. Data are gathered through in-person interviews and direct physical exams in mobile examination centers. Questions regarding diet and health are asked in the interview; the physical exam consists of medical and dental exams, physiological measurements, and laboratory tests. Three cycles of NHANES were conducted between 1971 and 1994; the most recent and third cycle (NHANES III) was conducted from 1988 to 1994. Beginning in 1999, NHANES was implemented as a continuous annual survey. For more information, visit the NHANES website at [cdc.gov/nchs/nhanes.htm](http://cdc.gov/nchs/nhanes.htm).

**National Health Interview Survey (NHIS)** The NHIS is a survey of the CDC's NCHS. The survey is designed to provide national prevalence estimates on personal, socioeconomic, demographic, and health characteristics (such as cigarette smoking and physical activity) of US adults. Data are gathered through a computer-assisted personal interview of adults 18 years of age and older living in households in the US. The NHIS is an annual survey and has been

conducted by NCHS since 1957. For more information, visit the NHIS website at [cdc.gov/nchs/nhis.htm](http://cdc.gov/nchs/nhis.htm).

**National Immunization Survey-Teen (NIS-Teen)** The NIS-Teen is sponsored by the National Center for Immunizations and Respiratory Diseases (NCIRD) and conducted jointly by NCIRD, NCHS, and CDC. This study collects data by interviewing households in all 50 states, the District of Columbia, and selected areas for oversampling. Before 2011, a random-digit-dialed, list-assisted landline telephone sample of households was used to monitor national, state, and selected local area vaccination coverage among children ages 13-17 years in the United States. As a result of the increase in cellular telephone usage, beginning in 2011, the NIS sampling frame was expanded from a single landline frame to dual landline and cellular telephone sampling frames. This change increased the representativeness of the sample characteristics. To assure the accuracy and precision of the vaccination coverage estimates, immunization data for surveyed adolescents are also collected through a mail survey of their pediatricians, family physicians, and other health care providers. The parents and guardians of eligible adolescents are asked during the telephone interview for consent to contact the adolescents' vaccination providers. Types of immunizations, dates of administration, and additional data about facility characteristics are requested from immunization providers that are identified during the telephone survey of households. The NIS-Teen's estimates of adolescent vaccination coverage reflect a comparison of information provided by both surveyed households and immunization providers. For more information, visit the NIS-Teen website at [cdc.gov/nchs/nis/about\\_nis.htm](http://cdc.gov/nchs/nis/about_nis.htm).

**National Youth Tobacco Survey (NYTS)** The NYTS was conducted by the CDC in 2004 and 2006, and the latest survey was conducted in 2009. The survey is designed to provide national data for public and private students in grades six through 12. It allows for the design, implementation, and evaluation of a comprehensive tobacco-control program with more detailed tobacco-related questions than the YRBSS, including those on nontraditional tobacco products such as bidis, secondhand smoke exposure, smoking cessation, and school curriculum. Data are gathered through a self-administered questionnaire completed during a required subject or class period. The NYTS was first conducted in fall 1999. For more information, visit the NYTS website at [cdc.gov/TOBACCO/data\\_statistics/surveys/NYTS/](http://cdc.gov/TOBACCO/data_statistics/surveys/NYTS/).

**Youth Risk Behavior Surveillance System (YRBSS)** The YRBSS is a survey of the CDC's NCCDPHP. The survey is designed to provide national, state, and local prevalence estimates on health risk behaviors, such as tobacco use, unhealthy dietary behaviors, physical inactivity, and others among youth and young adults who attend public and private high schools. Different statistical methods are used to choose the representative sample for the national, state, and local prevalence estimates (see Statistical Notes). Data are gathered through a self-administered questionnaire completed during a required subject or class period. The YRBSS is a biennial survey that began in 1991. The state and local surveys are of variable data quality, and caution should be used in comparing data among them. Data from states and local areas with an overall response rate of 60% and appropriate documentation are considered weighted and are generalized to all public and private high school students in grades nine through 12 in the respective jurisdiction. However, data from states and local areas without an overall response rate of 60% and those with inadequate documentation are reported as unweighted and are only applicable to students participating in the survey. Beginning with the 2003 survey, state data that do not meet the weighting requirements described above will no longer be made publicly available through the CDC. For more information, visit the YRBSS website at [cdc.gov/HealthyYouth/yrbs/index.htm](http://cdc.gov/HealthyYouth/yrbs/index.htm).