

Supplemental Table 1. Age-standardized lung cancer death rates and trends by race, sex, and state\*

Region/State	Non-Hispanic¶ white						Black					
	Male			Female			Male			Female		
	Rate†	APC‡	Rank	Rate†	APC‡	Rank	Rate†	APC‡	Rank	Rate†	APC‡	Rank
	2001–2005	1996–2005		2001–2005	1996–2005		2001–2005	1996–2005		2001–2005	1996–2005	
Northeast	67.6	-2.0§		42.5	0.2		74.5	-3.8§		36.9	-0.6	
Connecticut	62.9	-1.5§	37	42.0	0.0	31	67.0	-4.6§	39	33.3	-2.0	34
Maine	¶	¶		¶	¶		#	**		#	**	
Massachusetts	68.4	-2.1§	26	46.4	0.4	13	71.6	-1.5	35	35.0	-0.8	31
New Hampshire	¶	¶		¶	¶		#	**		#	**	
New Jersey	67.1	-2.4§	29	44.0	-0.4	24	82.2	-3.9§	28	41.1	-0.4	22
New York	64.0	-2.1§	35	42.5	0.2	30	61.4	-4.1§	41	30.0	-0.9§	38
Pennsylvania	72.5	-1.6§	23	40.1	0.6§	34	101.7	-3.3§	16	52.3	0.1	5
Rhode Island	74.2	-3.2§	18	44.0	-0.8	23	74.3	**	34	41.0	**	23
Vermont	65.4	-3.5§	32	39.5	0.0	35	#	**		#	**	
Midwest	76.4	-1.2§		43.3	0.8§		102.8	-2.5§		50.1	0.2	
Illinois	74.9	-1.4§	17	43.4	0.6§	29	99.9	-3.6§	17	50.0	0.1	10
Indiana	87.5	-1.3§	9	47.8	1.1§	8	107.7	-2.1§	10	53.5	-0.3	4
Iowa	72.7	-0.8	22	38.7	1.5§	37	111.0	-1.4	9	58.4	**	2
Kansas	73.2	-1.1	21	41.7	1.9§	32	103.7	-0.7	14	45.2	5.0	14
Michigan	72.3	-1.3§	24	44.0	0.7§	25	97.1	-2.4§	20	47.7	-0.2	12
Minnesota	¶	¶		¶	¶		75.9	-3.6	32	44.8	-1.2	15
Missouri	86.1	-0.8	11	46.1	0.6	14	112.7	-1.3	8	51.4	0.2	6
Nebraska	66.2	-1.7§	31	35.9	1.2	41	122.5	0.2	1	50.6	**	7
North Dakota	¶	¶		¶	¶		#	**		#	**	
Ohio	81.0	-1.2§	13	45.0	0.5	18	105.0	-2.3§	13	50.2	0.2	9
South Dakota	67.2	-1.3	28	35.1	2.5	43	#	**		#	**	
Wisconsin	63.4	-1.0§	36	38.1	0.9	39	119.0	-1.7	3	56.6	2.4	3
South	83.7	-1.6§		46.5	0.6§		98.8	-2.5§		37.4	0.5	
Alabama	94.2	-1.1§	5	44.4	1.6§	20	102.5	-0.7	15	33.1	2.1	35
Arkansas	98.7	-1.2§	3	49.4	2.1§	5	116.8	-0.9	5	34.5	1.1	32
Delaware	79.9	-1.7§	14	49.6	0.6	4	94.1	-2.5	23	50.3	-1.8	8

District of Columbia	50.0	-1.9	45	27.1	-4.8§	45	94.9	-2.5§	22	41.6	-1.4	21
Florida	73.7	-1.6§	19	47.8	0.2	9	75.3	-4.0§	33	29.3	-2.0	39
Georgia	86.8	-1.3§	10	43.4	0.5	28	93.1	-2.9§	24	31.0	1.5	36
Kentucky	112.0	-0.7	1	56.0	1.4§	2	118.7	-2.4§	4	58.5	-1.5	1
Louisiana	90.4	-1.5§	7	48.6	1.1§	6	119.4	-1.4§	2	42.4	0.1	20
Maryland	72.0	-2.4§	25	46.6	-0.2	12	88.3	-4.1§	26	42.8	-0.7	18
Mississippi	98.7	-1.6§	4	45.9	1.2§	15	112.9	-1.9§	7	36.8	1.9§	29
North Carolina	84.0	-2.1§	12	43.6	1.2§	26	98.2	-3.1§	19	34.1	1.9§	33
Oklahoma	¶	¶		¶	¶		105.8	-0.4	12	44.8	0.1	16
South Carolina	87.8	-0.8§	8	43.5	1.0§	27	95.6	-1.9§	21	30.3	1.2	37
Tennessee	99.3	-1.2§	2	47.2	1.9§	11	116.2	-1.8§	6	47.2	2.2§	13
Texas	79.2	-2.2§	15	45.4	-0.4	16	107.3	-2.4§	11	44.1	1.1§	17
Virginia	75.0	-2.0§	16	44.3	0.5	21	99.6	-2.3§	18	40.2	0.0	26
West Virginia	94.1	-1.8§	6	51.1	-0.2	3	71.2	-4.6	36	48.5	1.1	11
West	60.7	-2.2§		43.1	-0.4§		79.1	-3.4§		41.5	-0.8	
Alaska	64.9	-1.3	33	45.3	-1.4	17	92.3	**	25	#	~	
Arizona	60.8	-2.0§	38	40.9	-0.2	33	67.4	-6.3§	38	40.4	0.0	25
California	60.8	-2.6§	39	44.5	-1.0§	19	81.6	-3.1§	29	42.7	-0.6	19
Colorado	52.1	-2.1§	44	35.0	0.9	44	76.1	-2.9	31	36.4	-2.7	30
Hawaii	57.0	0.0	42	39.2	0.6	36	#	**		#	**	
Idaho	57.1	-1.7§	41	35.8	1.1	42	#	**		#	**	
Montana	64.2	-1.8	34	44.3	1.7§	22	#	**		#	**	
Nevada	73.5	-2.4§	20	58.2	0.2	1	64.4	-5.7§	40	40.9	-3.9	24
New Mexico	56.4	-1.5§	43	38.0	0.4	40	67.9	**	37	26.4	**	40
Oregon	67.8	-2.1§	27	48.3	0.3	7	86.1	**	27	39.4	**	28
Utah	34.1	-0.7	46	16.7	-0.9	46	#	**		#	**	
Washington	66.8	-1.8§	30	47.6	0.0	10	81.2	-4.0	30	40.1	-0.9	27
Wyoming	59.8	-1.9§	40	38.4	0.7	38	#	**		#	**	

\*APC = annual percent change. Source: US Mortality Files, National Center for Health Statistics.

† Rates (per 100,000 persons) are age-adjusted to the 2000 US standard population.

‡ APC is based on age-adjusted rates from 1996 through 2005.

§ APC is statistically significantly different from zero (two-sided  $P < .05$ , calculated using a  $t$  test).

|| Rank is based on the 2001–2005 rate.

¶ Death rates and trends for Non-Hispanics cannot be calculated for Maine, Minnesota, New Hampshire, North Dakota, and Oklahoma. The rates and trends for regions including these states do not include estimates from these states.

# Statistic not displayed due to fewer than 16 cancer cases.

\*\* Statistic not displayed due to fewer than 10 cancer cases for 1 year during the period..

Supplemental Table 2. Adult smoking prevalence among non-Hispanic whites by state\*

State/Region	Current smoking prevalence Adult (≥18 y)								
	Male			Female			APC†		
	1997 % (95% CI)	2006 % (95% CI)	APC† 1997–2006	1997 % (95% CI)	2006 % (95% CI)	APC† 1997–2006	1997 % (95% CI)	2006 % (95% CI)	APC† 1997–2006
Northeast	24.3 (23.0 to 25.8)	19.7 (18.7 to 20.8)	-2.0‡	21.8 (20.7 to 22.9)	18.6 (17.8 to 19.4)	-2.0‡			
Connecticut	20.5 (17.3 to 24.0)	17.1 (15.3 to 19.2)	-4.0‡	20.0 (17.5 to 22.8)	14.9 (13.6 to 16.4)	-4.0‡			
Maine	24.9 (21.7 to 28.4)	21.3 (18.7 to 24.0)	-2.0	20.5 (17.8 to 23.5)	19.3 (17.4 to 21.3)	-2.0			
Massachusetts	22.2 (18.5 to 26.4)	18.5 (16.5 to 20.6)	-2.0‡	20.1 (17.4 to 23.1)	16.8 (15.3 to 18.4)	-2.0‡			
New Hampshire	25.5 (21.6 to 29.8)	19.1 (17.1 to 21.4)	-3.0‡	23.8 (20.8 to 27.0)	18.4 (16.8 to 20.1)	-3.0‡			
New Jersey	23.4 (20.1 to 27.0)	20.0 (18.1 to 22.0)	-2.0‡	21.0 (18.4 to 23.9)	16.9 (15.6 to 18.3)	-2.0‡			
New York	25.3 (22.4 to 28.4)	19.8 (17.4 to 22.3)	-3.0‡	23.1 (20.8 to 25.6)	19.4 (17.6 to 21.4)	-3.0‡			
Pennsylvania	25.6 (23.0 to 28.4)	21.0 (18.7 to 23.3)	-2.0‡	21.9 (19.8 to 24.1)	20.3 (18.5 to 22.1)	-1.0			
Rhode Island	25.4 (21.9 to 29.2)	18.2 (15.5 to 21.2)	-3.0‡	23.5 (20.4 to 27.0)	19.8 (17.5 to 22.2)	-2.0‡			
Vermont	24.7 (22.1 to 27.5)	18.8 (17.0 to 20.7)	-3.0‡	21.2 (18.9 to 23.6)	16.7 (15.3 to 18.3)	-3.0‡			
Midwest	26.7 (25.6 to 27.9)	22.2 (21.1 to 23.3)	-3.0‡	22.2 (21.4 to 23.2)	19.3 (18.6 to 20.1)	-2.0‡			
Illinois	25.3 (22.4 to 28.4)	21.2 (18.8 to 23.9)	-2.0‡	22.1 (19.8 to 24.7)	18.1 (16.2 to 20.2)	-2.0‡			
Indiana	29.3 (26.1 to 32.8)	25.8 (23.5 to 28.3)	-2.0‡	23.4 (20.7 to 26.2)	22.4 (20.6 to 24.3)	1.0			
Iowa	25.1 (22.8 to 27.6)	22.2 (20.0 to 24.6)	-3.0‡	20.8 (18.8 to 22.9)	19.9 (18.1 to 21.7)	-1.0			
Kansas	26.8 (23.3 to 30.5)	21.1 (19.2 to 23.2)	-4.0‡	19.0 (16.6 to 21.6)	18.2 (16.8 to 19.6)	-1.0‡			
Michigan	29.6 (26.5 to 33.0)	22.1 (19.9 to 24.6)	-4.0‡	22.2 (19.9 to 24.7)	19.6 (17.9 to 21.4)	-3.0‡			
Minnesota	23.7 (21.7 to 25.7)	18.0 (15.6 to 20.6)	-1.0	19.3 (17.7 to 21.1)	17.8 (16.0 to 19.9)	0.0			
Missouri	29.7 (25.6 to 34.1)	24.1 (20.8 to 27.6)	-3.0‡	25.5 (22.6 to 28.7)	21.9 (19.6 to 24.4)	-2.0‡			
Nebraska	23.3 (20.3 to 26.5)	19.2 (17.2 to 21.4)	-2.0‡	20.1 (17.4 to 23.1)	17.3 (15.7 to 18.9)	-1.0			
North Dakota	24.1 (21.0 to 27.5)	19.9 (17.5 to 22.5)	-2.0	19.3 (16.6 to 22.2)	17.2 (15.3 to 19.4)	-2.0‡			
Ohio	26.2 (22.9 to 29.8)	22.9 (19.0 to 27.4)	-4.0‡	24.1 (21.5 to 26.9)	19.3 (16.7 to 22.3)	-2.0			
South Dakota	26.2 (23.0 to 29.6)	18.7 (16.5 to 21.0)	-6.0‡	19.1 (16.7 to 21.8)	16.8 (15.1 to 18.6)	-2.0‡			
Wisconsin	25.0 (21.7 to 28.7)	23.0 (20.3 to 25.9)	-1.0	20.8 (18.0 to 23.9)	18.0 (16.2 to 20.1)	-3.0‡			
South	27.6 (26.6 to 28.7)	22.9 (22.1 to 23.8)	-2.0‡	23.5 (22.7 to 24.4)	21.0 (20.3 to 21.7)	-1.0‡			
Alabama	30.1 (26.5 to 34.0)	27.4 (23.3 to 31.8)	0.0	24.6 (21.6 to 27.8)	22.5 (20.1 to 25.2)	-1.0			
Arkansas	33.0 (28.5 to 38.0)	24.9 (22.4 to 27.5)	-3.0‡	26.6 (23.4 to 30.1)	22.1 (20.2 to 24.0)	-2.0‡			
Delaware	27.7 (24.1 to 31.5)	23.4 (20.2 to 26.8)	-2.0‡	26.1 (23.3 to 29.2)	21.4 (18.5 to 24.6)	-3.0‡			

District of Columbia	§	§	14.1	(11.1 to 17.8)	-5.0‡	§	§	9.2	(6.8 to 12.3)	-7.0‡
Florida	26.5	(23.6 to 29.5)	25.3	(22.8 to 28.1)	0.0	24.5	(22.2 to 26.9)	21.9	(20.2 to 23.7)	-1.0‡
Georgia	26.2	(22.7 to 30.0)	22.4	(20.1 to 25.0)	-3.0‡	22.1	(18.9 to 25.7)	19.7	(17.9 to 21.5)	-2.0‡
Kentucky	33.1	(30.2 to 36.2)	29.7	(26.7 to 32.9)	-2.0‡	28.6	(26.5 to 30.8)	27.6	(25.5 to 29.7)	-1.0
Louisiana	31.9	(27.5 to 36.7)	24.1	(21.6 to 26.7)	-3.0‡	22.4	(19.4 to 25.8)	23.0	(21.3 to 24.8)	0.0
Maryland	21.9	(19.4 to 24.7)	18.4	(16.4 to 20.6)	-3.0‡	20.4	(18.1 to 22.9)	17.6	(16.2 to 19.2)	-2.0‡
Mississippi	29.0	(24.3 to 34.2)	25.6	(22.7 to 28.6)	0.0	22.1	(18.6 to 25.9)	24.7	(22.4 to 27.0)	1.0
North Carolina	28.7	(25.8 to 31.8)	25.1	(23.2 to 27.0)	-1.0	23.4	(21.2 to 25.9)	20.2	(18.9 to 21.5)	-2.0‡
Oklahoma	24.9	(21.1 to 29.1)	26.7	(24.3 to 29.3)	1.0	23.3	(20.3 to 26.7)	22.8	(21.1 to 24.6)	0.0
South Carolina	29.1	(25.3 to 33.1)	25.8	(23.6 to 28.2)	-2.0‡	20.9	(18.1 to 24.1)	21.9	(20.2 to 23.6)	0.0
Tennessee	28.4	(25.2 to 31.8)	23.9	(20.8 to 27.3)	-1.0	28.0	(25.6 to 30.5)	22.3	(20.0 to 24.7)	-1.0
Texas	26.8	(23.3 to 30.7)	17.3	(14.5 to 20.5)	-3.0‡	19.8	(17.1 to 22.8)	17.5	(15.0 to 20.4)	-1.0
Virginia	26.8	(23.0 to 30.9)	18.9	(16.4 to 21.7)	-4.0‡	24.7	(21.8 to 27.8)	18.9	(16.6 to 21.4)	-3.0‡
West Virginia	26.7	(23.7 to 29.9)	25.8	(23.1 to 28.6)	-1.0	27.8	(25.2 to 30.5)	26.7	(24.4 to 29.1)	0.0
West	21.8	(20.5 to 23.3)	17.6	(16.4 to 18.8)	-3.0‡	19.3	(18.2 to 20.4)	16.0	(15.1 to 16.9)	-3.0‡
Alaska	26.1	(20.8 to 32.2)	19.9	(16.1 to 24.3)	-3.0	23.1	(18.5 to 28.5)	20.3	(16.6 to 24.5)	-3.0‡
Arizona	21.5	(17.6 to 25.9)	19.9	(15.8 to 24.9)	-3.0‡	22.6	(18.8 to 26.8)	17.4	(14.6 to 20.6)	-2.0
California	21.3	(18.7 to 24.2)	16.7	(14.3 to 19.4)	-4.0‡	17.0	(15.1 to 19.2)	15.0	(13.1 to 17.1)	-3.0‡
Colorado	23.3	(20.0 to 26.9)	16.9	(14.8 to 19.1)	-3.0‡	21.3	(18.2 to 24.8)	17.1	(15.5 to 18.9)	-3.0‡
Hawaii	19.0	(14.9 to 23.9)	17.1	(14.3 to 20.4)	-3.0	17.5	(13.5 to 22.3)	14.6	(12.5 to 17.1)	-2.0
Idaho	21.2	(19.0 to 23.6)	18.5	(16.3 to 21.0)	-3.0‡	17.7	(15.8 to 19.7)	15.3	(13.6 to 17.0)	-3.0‡
Montana	20.3	(17.4 to 23.5)	17.0	(14.8 to 19.4)	-2.0	19.4	(16.9 to 22.2)	17.4	(15.7 to 19.2)	-2.0‡
Nevada	26.2	(20.9 to 32.3)	21.8	(18.4 to 25.6)	-5.0‡	31.3	(26.4 to 36.6)	23.8	(20.4 to 27.4)	-5.0‡
New Mexico	18.0	(14.4 to 22.2)	20.3	(17.7 to 23.1)	-1.0	24.6	(21.1 to 28.5)	18.3	(16.2 to 20.5)	-3.0‡
Oregon	21.6	(19.0 to 24.3)	19.8	(17.5 to 22.4)	-1.0	18.6	(16.7 to 20.8)	17.3	(15.6 to 19.2)	-1.0‡
Utah	15.5	(13.2 to 18.1)	9.2	(7.6 to 11.0)	-5.0‡	11.3	(9.3 to 13.6)	9.2	(7.7 to 10.9)	-4.0‡
Washington	24.9	(22.1 to 27.9)	18.3	(17.1 to 19.6)	-4.0‡	22.5	(20.3 to 24.9)	15.7	(14.8 to 16.6)	-4.0‡
Wyoming	23.1	(19.4 to 27.3)	22.0	(19.7 to 24.4)	-2.0‡	23.7	(20.9 to 26.8)	18.2	(16.6 to 20.0)	-2.0‡
Total US	25.6	(25.0 to 26.2)	21.1	(20.6 to 21.6)	-2.0‡	22.0	(21.6 to 22.5)	19.1	(18.7 to 19.5)	-2.0‡

\*APC=annual percent change; BRFSS=Behavioral Risk Factor Surveillance System; CI = confidence interval. Source: Adult smoking prevalence estimates are for current cigarette smoking in non-Hispanic white persons 18 years of age or older and are based on the Centers for Disease Control and Prevention's BRFSS data.

(<http://www.cdc.gov/brfss/>) State-based BRFSS data were aggregated to represent regions and the total US.

† APC is based on prevalence estimates from 1997 through 2006.

‡ APC is statistically significantly different from zero (two-sided  $P < .05$ , calculated using a  $t$  test).

§ Statistic not displayed because the estimates were based on fewer than 50 survey participants.