

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.