

Table XV-1
LUNG AND BRONCHUS CANCER (Invasive)
 TRENDS IN SEER INCIDENCE AND U.S. MORTALITY, BY RACE AND SEX

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>INCIDENCE TRENDS (expressed in percents)§:</u>									
<u>1973-95</u>									
All Ages									
Percent Change (PC)	30.8	0.9	125.6	33.1	-0.3	136.0	26.7	10.3	115.9
Est. Annual PC (EAPC)	1.3*	0.1	3.9*	1.4*	0.0	4.1*	1.4*	0.6*	4.0*
Under 65									
Percent Change (PC)	2.1	-19.0	57.6	2.7	-20.9	62.6	5.9	-8.6	66.8
Est. Annual PC (EAPC)	0.1	-0.9*	2.1*	0.1	-1.0*	2.2*	0.4	-0.3	2.6*
65 and over									
Percent Change (PC)	60.1	16.7	231.0	63.2	15.3	250.6	54.2	31.6	210.1
Est. Annual PC (EAPC)	2.4*	0.8*	6.0*	2.4*	0.7*	6.2*	2.5*	1.6*	6.2*
<u>1975-79 - ALL AGES</u>									
Percent Change (PC)	8.6	5.1	19.0	8.5	4.9	19.1	9.5	6.2	23.5
Est. Annual PC (EAPC)	2.9*	1.7*	6.3*	2.8*	1.6*	6.1*	3.3	2.2	8.2
<u>1991-95 - ALL AGES</u>									
Percent Change (PC)	-5.4	-9.0	-0.6	-4.7	-8.6	0.1	-9.2	-10.5	-6.8
Est. Annual PC (EAPC)	-1.8*♦	-2.9*♦	-0.3♦	-1.6*♦	-2.9*♦	0.0♦	-3.1*♦	-3.1♦	-2.9♦
<u>MORTALITY TRENDS (expressed in percents)*:</u>									
<u>1973-95</u>									
All Ages									
Percent Change (PC)	39.7	10.9	146.4	40.6	9.9	150.6	43.3	27.7	139.6
Est. Annual PC (EAPC)	1.7*	0.6*	4.5*	1.7*	0.5*	4.5*	1.9*	1.3*	4.4*
Under 65									
Percent Change (PC)	5.2	-14.6	66.7	6.5	-14.9	70.1	4.4	-8.3	64.0
Est. Annual PC (EAPC)	0.4*	-0.6*	2.5*	0.4*	-0.6*	2.6*	0.3	-0.3	2.6*
65 and over									
Percent Change (PC)	73.9	31.6	258.2	73.1	28.8	261.3	100.1	74.9	276.4
Est. Annual PC (EAPC)	2.7*	1.3*	6.4*	2.7*	1.2*	6.5*	3.5*	2.9*	6.7*
<u>1975-79 - ALL AGES</u>									
Percent Change (PC)	8.8	5.9	20.2	8.6	5.5	20.1	11.3	10.4	20.8
Est. Annual PC (EAPC)	2.8*	1.9*	6.3*	2.8*	1.8*	6.3*	3.5*	3.2*	6.5*
<u>1991-95 - ALL AGES</u>									
Percent Change (PC)	-1.2	-4.7	4.2	-0.7	-4.5	4.6	-3.1	-5.3	2.0
Est. Annual PC (EAPC)	-0.4♦	-1.6*♦	1.5*♦	-0.3♦	-1.6*♦	1.6*♦	-1.0*♦	-1.8*♦	0.8♦

The Est. Annual PC is the Estimated Annual Percent Change (EAPC) over the time interval.
 SEER Program.
 NCHS public use tape.
 The EAPC is significantly different from zero (p<.05).
 The EAPC for 1991-95 is significantly different from the EAPC for 1975-79 (p<.05).
 The EAPC for 1991-95 is significantly different from the EAPC for 1975-79 (p<.10).
 † Statistic could not be calculated.

Table XV-2
SMALL CELL LUNG AND BRONCHUS CANCER (Invasive) AND NON-SMALL CELL LUNG AND BRONCHUS CANCER (Invasive)

TRENDS IN SEER INCIDENCE, BY RACE AND SEX

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>INCIDENCE TRENDS FOR SMALL CELL (expressed in percents)§:</u>									
<u>1973-95</u>									
All Ages									
Percent Change (PC)	61.2	21.2	160.7	67.6	22.8	175.8	40.0	15.0	134.7
Est. Annual PC (EAPC)	2.3★	0.8	4.7★	2.5★	0.9	5.0★	2.0★	1.1	4.2★
Under 65									
Percent Change (PC)	17.7	-5.9	67.3	23.1	-4.1	79.1	3.8	-9.0	39.8
Est. Annual PC (EAPC)	0.8	-0.4	2.5★	0.9★	-0.4	2.8★	0.6	-0.1	2.0★
65 and over									
Percent Change (PC)	123.5	50.7	376.5	131.2	51.5	396.1	96.9	43.1	500.1
Est. Annual PC (EAPC)	3.9★	1.9★	7.7★	4.1★	1.9★	8.0★	3.6★	2.3★	7.9★
<u>1975-79 - ALL AGES</u>									
Percent Change (PC)	26.3	22.2	35.2	27.4	22.5	38.0	12.6	23.9	-9.5
Est. Annual PC (EAPC)	7.6★	6.6★	9.9★	7.8★	6.6★	10.3★	5.5	7.9	0.3
<u>1991-95 - ALL AGES</u>									
Percent Change (PC)	-11.1	-13.9	-8.2	-10.3	-14.1	-6.5	-15.4	-8.8	-22.9
Est. Annual PC (EAPC)	-3.9★◆	-4.5★◆	-3.3◆	-3.6★◆	-4.5★◆	-2.7◆	-6.2◆	-3.7◇	-9.2★
<u>INCIDENCE TRENDS FOR NON-SMALL CELL (expressed in percents)§:</u>									
<u>1973-95</u>									
All Ages									
Percent Change (PC)	26.6	-1.7	119.5	28.1	-3.4	128.8	25.2	9.7	113.2
Est. Annual PC (EAPC)	1.2★	0.0	3.8★	1.2★	-0.1	3.9★	1.3★	0.6★	4.0★
Under 65									
Percent Change (PC)	-0.6	-21.0	55.6	-0.9	-23.7	59.1	6.1	-8.5	71.5
Est. Annual PC (EAPC)	0.0	-1.0★	2.0★	0.0	-1.2★	2.1★	0.3	-0.4	2.7★
65 and over									
Percent Change (PC)	52.9	13.0	212.3	55.3	11.3	230.9	49.9	30.3	186.9
Est. Annual PC (EAPC)	2.1★	0.6★	5.7★	2.2★	0.5★	5.9★	2.4★	1.5★	6.0★
<u>1975-79 - ALL AGES</u>									
Percent Change (PC)	5.9	2.7	16.1	5.5	2.3	15.5	9.1	4.5	30.0
Est. Annual PC (EAPC)	2.1★	0.9	5.6★	1.9★	0.8	5.3★	3.1★	1.7	9.5★
<u>1991-95 - ALL AGES</u>									
Percent Change (PC)	-4.3	-8.2	1.1	-3.5	-7.7	1.7	-8.4	-10.7	-3.7
Est. Annual PC (EAPC)	-1.3◆	-2.7★◆	0.4◆	-1.1★◆	-2.7★◆	0.7◆	-2.6◆	-3.0◆	-1.7◆

The Est. Annual PC is the Estimated Annual Percent Change (EAPC) over the time interval.
 SEER Program.

★ The EAPC is significantly different from zero ($p < .05$).

◆ The EAPC for 1991-95 is significantly different from the EAPC for 1975-79 ($p < .05$).

◇ The EAPC for 1991-95 is significantly different from the EAPC for 1975-79 ($p < .10$).

- Statistic could not be calculated.

Table XV-3
LUNG AND BRONCHUS CANCER (Invasive)SEER INCIDENCE RATES, AGE-ADJUSTED AND AGE-SPECIFIC RATES[§], BY RACE AND SEX

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>AGE-ADJUSTED RATES</u>									
<u>YEAR OF DIAGNOSIS:</u>									
1973	42.4	73.2	18.2	41.6	72.4	17.8	58.8	104.8	20.9
1974	43.9	74.5	19.9	43.4	74.2	19.8	58.9	102.0	21.7
1975	45.3	76.2	21.5	45.1	75.9	21.8	56.5	101.0	20.6
1976	47.8	79.4	23.8	47.2	78.4	23.8	62.6	110.9	25.2
1977	48.9	80.7	24.7	48.3	80.0	24.6	64.2	108.7	28.9
1978	50.2	82.0	26.2	49.7	81.1	26.5	65.0	113.5	27.1
1979	50.9	81.4	27.8	50.4	80.7	27.9	65.4	111.6	29.4
1980	52.3	84.4	28.1	51.2	82.2	28.2	76.0	131.0	33.8
1981	53.9	84.5	30.9	53.4	83.4	31.3	73.3	126.1	33.1
1982	54.9	85.1	32.3	54.6	83.8	33.3	71.1	123.5	31.4
1983	55.0	84.1	33.3	54.5	82.2	34.4	75.9	130.9	34.7
1984	56.8	86.5	34.6	55.7	84.2	34.8	82.7	140.5	39.7
1985	56.2	83.9	35.3	55.5	82.0	35.9	79.0	131.3	40.2
1986	56.9	83.6	37.0	56.4	81.9	37.7	81.3	134.0	43.0
1987	58.5	85.3	38.6	58.6	84.3	39.8	74.5	124.1	38.4
1988	58.7	83.3	40.4	58.9	82.3	41.7	77.9	125.9	42.9
1989	58.0	82.2	40.0	58.0	81.1	41.1	78.2	123.1	45.7
1990	58.6	81.7	41.5	58.7	80.9	42.5	76.6	118.6	46.9
1991	59.7	81.9	43.2	59.4	80.4	44.2	81.9	126.0	49.8
1992	59.8	81.9	43.3	59.2	79.5	44.4	82.5	128.7	49.1
1993	58.0	78.8	42.4	58.0	77.2	43.8	75.2	115.7	46.0
1994	57.2	75.6	43.4	57.2	74.5	44.5	76.3	113.3	49.3
1995	55.9	73.4	42.6	55.9	71.5	44.2	72.9	114.7	42.9
<u>AGE-ADJUSTED RATES, 1991-95</u>									
<u>AGE AT DIAGNOSIS:</u>									
All ages	58.1	78.3	43.0	57.9	76.6	44.2	77.7	119.5	47.4
Under 65	26.1	31.7	20.9	25.4	29.8	21.3	41.3	60.0	26.1
65 and over	350.1	503.3	244.5	354.4	503.5	252.9	409.4	663.0	241.6
All ages (world std.) [§]	45.7	60.4	34.2	45.4	58.7	35.2	62.9	95.4	38.7
<u>AGE-SPECIFIC RATES, 1991-95</u>									
<u>AGE AT DIAGNOSIS:</u>									
0-4	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
5-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-14	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
15-19	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0
20-24	0.3	0.3	0.3	0.3	0.2	0.4	0.5	0.9	0.2
25-29	0.6	0.7	0.5	0.6	0.7	0.5	1.0	1.1	0.9
30-34	1.9	2.1	1.7	1.7	2.0	1.5	3.2	3.4	3.0
35-39	4.9	5.6	4.2	4.2	4.5	3.9	10.7	14.0	7.8
40-44	12.8	15.0	10.7	11.3	12.6	10.0	26.9	37.3	17.8
45-49	33.5	37.6	29.5	31.2	33.7	28.7	61.2	78.3	46.3
50-54	76.1	89.0	63.8	71.8	80.0	63.8	138.1	197.4	87.4
55-59	137.4	165.2	111.3	134.9	155.1	115.6	214.0	322.1	127.2
60-64	221.6	282.6	167.0	222.9	275.1	174.7	308.7	460.0	188.8
65-69	322.5	430.6	232.8	326.3	426.5	242.1	405.0	603.6	252.6
70-74	377.2	519.7	267.3	380.8	513.1	278.5	472.7	773.2	263.6
75-79	400.3	581.8	276.4	409.6	591.4	286.3	407.0	682.6	234.5
80-84	357.4	581.3	231.4	361.6	591.1	235.8	380.2	683.8	219.9
85+	242.0	463.1	154.8	238.7	469.0	151.9	252.2	459.6	162.3

[§] SEER Program. Rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population, except where noted.
[§] SEER Program. Rates are per 100,000 and are age-adjusted to the world standard population.

Table XV-4
SMALL CELL LUNG AND BRONCHUS CANCER (Invasive)

SEER INCIDENCE RATES, AGE-ADJUSTED AND AGE-SPECIFIC RATES, BY RACE AND SEX

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>AGE-ADJUSTED RATES</u>									
<u>YEAR OF DIAGNOSIS:</u>									
1973	5.1	8.1	2.6	5.1	8.1	2.7	6.9	12.0	2.8
1974	5.6	8.7	3.0	5.7	9.0	3.1	5.1	8.2	2.5
1975	6.0	9.1	3.5	6.2	9.5	3.7	5.3	7.9	3.2
1976	6.3	10.0	3.5	6.4	10.1	3.6	7.3	11.1	4.4
1977	6.9	10.8	3.9	7.0	11.2	3.9	7.3	9.9	5.3
1978	7.8	11.8	4.6	8.0	12.0	4.9	7.2	12.8	2.8
1979	7.8	11.5	4.9	8.1	12.0	5.1	7.0	10.8	4.0
1980	8.1	12.5	4.7	8.3	12.7	5.0	8.9	15.3	4.1
1981	8.7	12.8	5.6	9.0	13.0	5.9	8.6	14.5	4.2
1982	9.2	12.9	6.5	9.6	13.2	6.9	8.8	14.3	4.5
1983	9.2	13.0	6.4	9.6	13.1	6.9	8.2	13.3	4.5
1984	9.6	13.3	6.7	9.9	13.7	7.0	9.7	14.0	6.4
1985	9.3	13.1	6.4	9.6	13.4	6.7	10.0	15.7	5.7
1986	9.9	13.6	7.1	10.2	13.9	7.4	11.3	16.0	7.8
1987	9.5	12.3	7.5	10.0	12.6	8.1	8.7	12.8	5.7
1988	10.2	13.3	7.7	10.6	13.6	8.4	9.5	15.8	5.0
1989	10.0	12.8	7.8	10.4	13.1	8.3	10.5	14.7	7.7
1990	9.4	11.9	7.5	9.9	12.4	8.1	8.5	12.3	5.7
1991	10.0	12.2	8.4	10.4	12.5	8.9	11.0	13.9	9.0
1992	9.3	11.6	7.6	9.7	12.0	8.1	9.0	11.6	7.0
1993	8.9	10.7	7.4	9.3	11.0	8.0	8.5	11.7	6.3
1994	8.6	10.1	7.5	9.1	10.3	8.1	8.9	11.9	6.7
1995	8.5	10.4	7.1	9.0	10.7	7.7	8.0	11.3	5.7
<u>AGE-ADJUSTED RATES, 1991-95</u>									
<u>AGE AT DIAGNOSIS:</u>									
All ages	9.1	11.0	7.6	9.5	11.3	8.1	9.1	12.1	6.9
Under 65	4.4	4.9	3.8	4.6	5.0	4.2	4.7	5.9	3.7
65 and over	52.0	66.4	41.9	54.4	68.8	44.6	49.1	68.1	36.7
All ages (world std.) ⁸	7.2	8.7	6.1	7.6	8.9	6.6	7.3	9.6	5.6
<u>AGE-SPECIFIC RATES, 1991-95</u>									
<u>AGE AT DIAGNOSIS:</u>									
0-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25-29	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
30-34	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1
35-39	0.5	0.7	0.4	0.4	0.5	0.4	1.4	2.0	0.9
40-44	1.8	1.8	1.7	1.9	1.9	1.9	1.8	2.3	1.3
45-49	4.9	5.8	4.1	5.2	6.0	4.4	4.8	5.0	4.6
50-54	12.9	14.2	11.7	13.3	14.3	12.2	15.3	18.0	12.9
55-59	23.9	27.1	21.0	25.1	27.2	23.0	24.5	34.7	16.3
60-64	38.0	42.9	33.6	40.0	43.9	36.3	40.1	49.5	32.6
65-69	54.3	65.5	45.0	57.6	68.7	48.3	51.1	64.0	41.2
70-74	58.5	72.1	48.1	61.2	73.9	51.5	54.3	79.2	36.9
75-79	57.9	73.8	47.0	60.1	76.3	49.0	57.3	73.0	47.4
80-84	42.3	62.5	30.9	43.6	64.3	32.2	40.9	72.0	24.4
85+	17.4	37.2	9.6	17.5	38.1	9.7	12.9	28.5	6.2

⁸ SEER Program. Rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population, except where noted.

⁸ SEER Program. Rates are per 100,000 and are age-adjusted to the world standard population.

Table XV-5
 NON-SMALL CELL LUNG AND BRONCHUS CANCER (Invasive)
 SEER INCIDENCE RATES, AGE-ADJUSTED AND AGE-SPECIFIC RATES, BY RACE AND SEX

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>AGE-ADJUSTED RATES</u>									
<u>YEAR OF DIAGNOSIS:</u>									
1973	37.3	65.0	15.6	36.5	64.3	15.1	51.9	92.8	18.2
1974	38.4	65.8	16.9	37.7	65.1	16.8	53.8	93.9	19.2
1975	39.3	67.0	18.0	38.9	66.4	18.2	51.2	93.1	17.4
1976	41.5	69.4	20.3	40.8	68.3	20.2	55.3	99.7	20.8
1977	42.0	69.9	20.8	41.2	68.8	20.7	56.9	98.8	23.7
1978	42.4	70.2	21.5	41.8	69.1	21.6	57.8	100.6	24.3
1979	43.1	69.9	22.9	42.3	68.7	22.8	58.4	100.8	25.4
1980	44.2	71.9	23.4	42.9	69.6	23.3	67.0	115.7	29.7
1981	45.2	71.7	25.3	44.4	70.3	25.4	64.6	111.7	28.9
1982	45.6	72.2	25.9	45.0	70.6	26.4	62.4	109.2	26.9
1983	45.7	71.1	26.9	45.0	69.1	27.5	67.7	117.7	30.2
1984	47.2	73.1	27.9	45.8	70.5	27.8	73.0	126.5	33.3
1985	46.8	70.7	28.9	45.9	68.6	29.2	69.1	115.6	34.5
1986	47.0	70.1	29.9	46.1	68.0	30.3	70.0	118.0	35.3
1987	49.0	73.0	31.1	48.7	71.7	31.7	65.8	111.3	32.7
1988	48.6	70.0	32.7	48.2	68.6	33.3	68.3	110.1	37.9
1989	48.1	69.4	32.2	47.6	68.0	32.8	67.7	108.4	38.0
1990	49.2	69.8	34.0	48.8	68.5	34.4	68.2	106.4	41.2
1991	49.6	69.7	34.8	49.0	67.9	35.3	70.9	112.2	40.8
1992	50.5	70.3	35.7	49.5	67.5	36.4	73.5	117.1	42.0
1993	49.1	68.1	34.9	48.7	66.2	35.8	66.7	104.0	39.7
1994	48.5	65.5	35.9	48.2	64.2	36.4	67.4	101.4	42.6
1995	47.3	63.1	35.4	46.9	60.8	36.5	64.9	103.4	37.2
<u>AGE-ADJUSTED RATES, 1991-95</u>									
<u>AGE AT DIAGNOSIS:</u>									
All ages	49.0	67.3	35.3	48.4	65.3	36.1	68.6	107.5	40.4
Under 65	21.7	26.8	17.0	20.9	24.8	17.2	36.6	54.1	22.4
65 and over	298.1	436.8	202.5	300.0	434.7	208.3	360.3	594.9	204.9
All ages (world std.) ⁸	38.4	51.8	28.1	37.8	49.9	28.6	55.6	85.8	33.1
<u>AGE-SPECIFIC RATES, 1991-95</u>									
<u>AGE AT DIAGNOSIS:</u>									
0-4	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
5-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-14	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
15-19	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0
20-24	0.3	0.3	0.3	0.3	0.2	0.4	0.5	0.9	0.2
25-29	0.6	0.7	0.5	0.6	0.7	0.4	1.0	1.1	0.9
30-34	1.8	2.0	1.6	1.6	1.9	1.4	3.0	3.3	2.8
35-39	4.3	4.9	3.8	3.8	4.0	3.5	9.3	12.1	6.9
40-44	11.1	13.2	9.0	9.5	10.8	8.1	25.1	35.0	16.5
45-49	28.5	31.7	25.4	26.0	27.7	24.2	56.4	73.3	41.6
50-54	63.2	74.8	52.1	58.6	65.7	51.6	122.8	179.4	74.5
55-59	113.4	138.1	90.3	109.8	127.8	92.6	189.5	287.4	110.9
60-64	183.7	239.7	133.4	182.9	231.2	138.4	268.6	410.5	156.2
65-69	268.2	365.1	187.9	268.7	357.8	193.8	353.9	539.5	211.4
70-74	318.6	447.5	219.2	319.5	439.3	227.0	418.4	694.0	226.7
75-79	342.4	508.0	229.4	349.6	515.1	237.3	349.8	609.6	187.1
80-84	315.1	518.8	200.6	318.0	526.8	203.6	339.4	611.8	195.5
85+	224.6	425.9	145.2	221.2	430.9	142.2	239.3	431.1	156.1

⁸ SEER Program. Rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population, except where noted.
⁸ SEER Program. Rates are per 100,000 and are age-adjusted to the world standard population.

Table XV-6
LUNG AND BRONCHUS CANCER (Invasive)

U.S. MORTALITY RATES, AGE-ADJUSTED AND AGE-SPECIFIC RATES*, BY RACE AND SEX

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>AGE-ADJUSTED RATES</u>									
<u>YEAR OF DEATH:</u>									
1973	34.8	62.4	13.3	34.3	61.6	13.3	40.8	75.1	13.6
1974	36.0	64.1	14.3	35.5	63.2	14.3	42.5	78.5	14.2
1975	36.8	65.1	15.2	36.4	64.2	15.3	43.3	79.7	14.9
1976	38.1	66.7	16.4	37.7	65.7	16.5	44.7	82.0	15.9
1977	39.2	68.2	17.3	38.6	66.8	17.4	47.8	87.8	17.3
1978	40.4	69.5	18.6	39.9	68.2	18.7	48.5	88.8	17.9
1979	41.1	70.1	19.4	40.5	68.8	19.5	49.4	89.7	19.2
1980	42.5	71.5	20.9	41.9	70.0	21.0	51.8	92.7	21.4
1981	43.0	71.7	21.7	42.3	70.0	21.8	53.1	95.5	21.9
1982	44.2	72.9	23.0	43.6	71.3	23.2	54.6	97.9	23.0
1983	44.9	72.9	24.4	44.3	71.3	24.6	55.7	98.0	25.0
1984	45.8	73.9	25.1	45.1	72.0	25.4	56.9	102.1	24.5
1985	46.6	74.1	26.4	46.0	72.3	26.8	57.5	101.6	26.0
1986	47.1	74.3	27.2	46.4	72.4	27.5	58.3	102.6	27.0
1987	48.1	75.1	28.3	47.4	73.3	28.5	59.8	104.6	28.4
1988	48.6	74.8	29.4	48.0	73.0	29.8	59.9	104.1	29.3
1989	49.3	74.7	30.8	48.7	72.6	31.2	61.6	106.7	30.3
1990	50.1	75.3	31.6	49.4	73.2	32.0	62.6	107.1	31.8
1991	50.1	74.5	32.2	49.5	72.5	32.6	61.7	104.7	32.0
1992	50.0	72.9	33.1	49.4	71.0	33.5	61.5	102.5	33.4
1993	50.1	72.5	33.5	49.7	70.7	34.1	60.9	102.4	32.4
1994	49.6	70.8	33.8	49.2	69.2	34.4	60.0	99.1	33.2
1995	49.3	69.5	34.2	49.0	68.0	34.8	59.4	97.1	33.5
<u>AGE-ADJUSTED RATES, 1991-95</u>									
<u>AGE AT DEATH:</u>									
All ages	49.8	72.0	33.3	49.4	70.3	33.9	60.7	101.1	32.9
Under 65	21.4	28.2	15.1	20.9	26.9	15.3	30.0	46.8	16.8
65 and over	309.0	471.5	199.5	309.5	466.3	203.7	340.4	596.0	179.9
All ages (world std.)N	38.7	55.0	26.2	38.3	53.5	26.6	48.3	79.3	26.4
<u>AGE-SPECIFIC RATES, 1991-95</u>									
<u>AGE AT DEATH:</u>									
0-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
5-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15-19	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1
20-24	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
25-29	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2
30-34	1.0	1.1	0.9	0.9	1.0	0.9	1.6	2.0	1.2
35-39	3.4	4.0	2.9	3.2	3.5	2.8	5.7	7.8	3.9
40-44	9.5	11.6	7.3	8.7	10.3	7.1	17.2	24.8	10.7
45-49	26.0	32.0	20.2	24.4	29.0	19.9	44.5	66.1	26.3
50-54	59.7	76.3	43.9	57.3	70.9	44.2	92.8	143.6	51.3
55-59	114.4	150.6	81.0	111.9	143.5	82.2	159.3	250.8	87.4
60-64	189.1	258.8	127.5	187.7	251.6	130.1	237.3	379.0	130.2
65-69	267.3	379.0	175.7	267.0	372.3	179.5	313.0	507.9	169.4
70-74	326.6	474.2	214.1	326.2	466.3	218.4	378.0	643.4	199.6
75-79	354.5	542.5	228.3	357.3	539.6	234.2	358.0	645.9	185.6
80-84	347.6	593.5	212.4	349.2	590.8	216.8	353.1	704.9	171.9
85+	264.9	524.8	164.1	265.2	527.5	165.0	267.8	541.6	154.5

* NCHS public use tape. Rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population, except where noted.

N NCHS public use tape. Rates are per 100,000 and are age-adjusted to the world standard population.

Table XV-7
LUNG AND BRONCHUS CANCER (Invasive)

SURVIVAL RATES, BY RACE, SEX, DIAGNOSIS YEAR, STAGE AND AGE

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
5-YR RELATIVE SURVIVAL RATES									
YEAR OF DIAGNOSIS:									
1960-63 ^a	-	-	-	8	7	11	5	5	6
1970-73 ^a	-	-	-	10	9	14	7	6	10
1974-76 ^b	12.4	11.1	15.8	12.5	11.1	16.0	11.4	11.0	13.1
1977-79 ^b	13.4	11.8	17.2	13.7	12.1	17.3	11.1	9.1	17.0
1980-82 ^b	13.4	12.1	16.1	13.5	12.2	16.2	12.1	11.0	15.4
1983-85 ^b	13.8	12.0	16.9	14.0	12.2	17.1	11.5	10.4	14.2
1986-88 ^b	13.5	12.3	15.5	13.8	12.4	15.9	11.8	11.9	11.6
1989-94 ^b	14.1S	12.6S	16.2S	14.5S	13.0S	16.5S	11.2	9.7	13.9
1989-94 ^b									
ALL STAGES	14.1	12.6	16.2	14.5	13.0	16.5	11.2	9.7	13.9
LOCALIZED	50.2	47.2	54.0	50.8	47.7	54.4	43.6	40.0	49.6
REGIONAL	20.0	18.4	22.4	20.5	19.2	22.5	15.2	12.6	20.2
DISTANT	2.2	1.9	2.6	2.1	1.7	2.7	2.2	2.4	2.0
UNSTAGED	7.6	6.4	9.2	7.6	6.4	9.0	8.3	6.6	12.1
STAGE DISTRIBUTION (%) 1989-94^b									
ALL STAGES									
Number of cases	73,722	44,535	29,187	62,486	37,174	25,311	7,898	5,166	2,732
Percent	100%	100%	100%	100%	100%	100%	100%	100%	100%
LOCALIZED	15	14	16	15	14	16	12	12	13
REGIONAL	23	24	22	23	24	22	24	24	23
DISTANT	48	48	47	47	48	46	52	52	51
UNSTAGED	15	14	15	15	15	15	12	13	12
5-YR RELATIVE SURVIVAL RATES, 1989-94^b									
AGE AT DIAGNOSIS:									
<45	21.4	17.2	27.1	23.1	18.3	29.2	16.4	12.8	22.8
45-54	16.9	15.1	19.4	17.6	15.7	20.1	12.7	11.4	15.2
55-64	15.4	13.8	17.9	15.8	14.4	17.9	12.2	9.5	17.4
65-74	13.9	12.7	15.6	14.2	12.8	16.1	10.5	10.2	10.8
75+	9.7	8.3	11.4	10.1	8.6	11.9	5.3	4.2	7.4
Under 65	16.3	14.4	19.1	16.8	15.0	19.3	12.8	10.5	17.4
65 and over	12.5	11.3	14.1	12.8	11.5	14.5	9.2	8.9	9.8

^a^b

Rates are based on End Results data from a series of hospital registries and one population-based registry. Rates are from the SEER Program. They are based on data from population-based registries in Connecticut, New Mexico, Utah, Iowa, Hawaii, Atlanta, Detroit, Seattle-Puget Sound and San Francisco-Oakland. Rates are based on follow-up of patients through 1995.

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The difference in rates between 1974-76 and 1989-94 is statistically significant ($p < .05$).

The standard error of the survival rate is between 5 and 10 percentage points.

The standard error of the survival rate is greater than 10 percentage points.

Statistic could not be calculated.

Table XV-8
SMALL CELL LUNG AND BRONCHUS CANCER (Invasive)

SURVIVAL RATES, BY RACE, SEX, DIAGNOSIS YEAR, STAGE AND AGE

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
5-YR RELATIVE SURVIVAL RATES									
YEAR OF DIAGNOSIS:									
1974-76 ^b	3.6	3.0	5.0	3.6	2.9	5.0	3.4	3.6	3.1
1977-79 ^b	4.5	3.3	6.8	4.5	3.3	6.8	3.8	3.4	4.8
1980-82 ^b	4.7	3.9	6.2	4.8	4.1	6.2	4.0	3.0	6.4
1983-85 ^b	4.8	3.6	6.7	4.9	3.7	6.7	4.7	2.6	8.6
1986-88 ^b	5.1	4.0	6.5	5.3	4.1	6.8	4.0	3.4	4.6
1989-94 ^b	6.0S	5.1S	7.0S	6.0S	5.0S	7.2S	5.2S	5.5S	4.1
1989-94 ^b									
ALL STAGES	6.0	5.1	7.0	6.0	5.0	7.2	5.2	5.5	4.1
LOCALIZED	18.3	17.6	19.2	17.8	16.7	19.1	16.0 [†]	13.5 [†]	17.5 [†]
REGIONAL	11.5	10.2	12.9	12.2	10.7	13.6	6.7	6.9	6.0
DISTANT	2.2	1.8	2.7	2.2	1.7	2.8	2.2	3.9	0.0
UNSTAGED	10.1	8.3	12.1	10.4	8.3	12.4	10.7	8.4	14.2 [†]
STAGE DISTRIBUTION (%) 1989-94^b									
ALL STAGES									
Number of cases	12,123	6,709	5,414	10,758	5,876	4,882	961	563	398
Percent	100%	100%	100%	100%	100%	100%	100%	100%	100%
LOCALIZED	7	6	7	6	6	7	7	7	8
REGIONAL	18	17	19	18	16	19	21	20	22
DISTANT	62	64	60	62	64	60	62	61	62
UNSTAGED	13	13	14	14	13	14	10	11	7
5-YR RELATIVE SURVIVAL RATES, 1989-94^b									
AGE AT DIAGNOSIS:									
<45	10.7	12.3	8.0	10.5	11.3	9.2	9.0 [†]	13.9 [†]	-
45-54	9.4	8.7	10.3	9.5	8.7	10.6	7.0	6.9	7.2
55-64	6.8	5.0	8.7	6.9	4.9	9.1	4.9	4.1	5.7
65-74	5.1	4.3	6.1	5.3	4.4	6.3	3.1	4.4	0.0
75+	3.5	3.2	3.9	3.4	2.9	3.9	6.9	6.7	0.0
Under 65	7.6	6.4	9.0	7.7	6.2	9.5	5.9	5.8	5.7
65 and over	4.7	4.0	5.4	4.7	4.0	5.6	4.2	5.2	0.0

^b Rates are from the SEER Program. They are based on data from population-based registries in Connecticut, New Mexico, Utah, Iowa, Hawaii, Atlanta, Detroit, Seattle-Puget Sound and San Francisco-Oakland. Rates are based on follow-up of patients through 1995.

S The difference in rates between 1974-76 and 1989-94 is statistically significant ($p < .05$).

[†] The standard error of the survival rate is between 5 and 10 percentage points.

[†] The standard error of the survival rate is greater than 10 percentage points.

- Statistic could not be calculated.

Table XV-9
NON-SMALL CELL LUNG AND BRONCHUS CANCER (Invasive)

SURVIVAL RATES, BY RACE, SEX, DIAGNOSIS YEAR, STAGE AND AGE

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>5-YR RELATIVE SURVIVAL RATES</u>									
YEAR OF DIAGNOSIS:									
1974-76 ^b	13.8	12.4	17.8	13.9	12.4	18.1	12.3	11.7	15.0
1977-79 ^b	15.1	13.3	19.4	15.5	13.7	19.6	12.0	9.7	19.2
1980-82 ^b	15.2	13.7	18.5	15.4	13.8	18.6	13.3	12.0	16.9
1983-85 ^b	15.7	13.7	19.4	16.1	14.0	19.8	12.5	11.4	15.2
1986-88 ^b	15.4	13.9	17.7	15.7	14.1	18.3	13.1	13.1	13.0
1989-94 ^b	15.8 ^S	14.0 ^S	18.4 ^S	16.3 ^S	14.5 ^S	18.8 ^S	12.1	10.2	15.7
1989-94 ^b									
ALL STAGES	15.8	14.0	18.4	16.3	14.5	18.8	12.1	10.2	15.7
LOCALIZED	52.9	49.5	57.1	53.5	50.1	57.5	45.8	41.6	52.9
REGIONAL	21.3	19.4	24.3	21.9	20.3	24.3	16.2	13.1	22.4
DISTANT	2.2	1.9	2.6	2.1	1.8	2.7	2.3	2.3	2.4
UNSTAGED	7.1	6.1	8.5	7.0	6.1	8.3	8.0	6.3	12.1
<u>STAGE DISTRIBUTION (%) 1989-94^b</u>									
ALL STAGES									
Number of cases	61,599	37,826	23,773	51,728	31,298	20,430	6,937	4,603	2,334
Percent	100%	100%	100%	100%	100%	100%	100%	100%	100%
LOCALIZED	16	15	18	17	15	19	13	12	14
REGIONAL	24	25	23	24	25	23	24	25	23
DISTANT	45	45	44	44	45	43	50	50	50
UNSTAGED	15	15	15	15	15	16	13	13	13
<u>5-YR RELATIVE SURVIVAL RATES, 1989-94^b</u>									
AGE AT DIAGNOSIS:									
<45	22.8	17.9	29.5	25.0	19.5	32.0	17.1	12.6	24.9
45-54	18.5	16.4	21.4	19.5	17.3	22.3	13.4	11.9	16.3
55-64	17.4	15.6	20.5	18.0	16.5	20.5	13.3	10.1	19.9
65-74	15.8	14.3	18.1	16.2	14.5	18.6	11.5	10.9	12.7
75+	10.7	9.0	12.9	11.3	9.5	13.5	5.3	4.1	7.6
Under 65	18.1	15.9	21.6	18.9	16.9	22.0	13.8	11.0	19.5
65 and over	14.0	12.6	16.1	14.4	12.8	16.7	10.0	9.3	11.2

^b Rates are from the SEER Program. They are based on data from population-based registries in Connecticut, New Mexico, Utah, Iowa, Hawaii, Atlanta, Detroit, Seattle-Puget Sound and San Francisco-Oakland. Rates are based on follow-up of patients through 1995.

^S The difference in rates between 1974-76 and 1989-94 is statistically significant ($p < .05$).

↑ The standard error of the survival rate is between 5 and 10 percentage points.

↑↑ The standard error of the survival rate is greater than 10 percentage points.

- Statistic could not be calculated.

Table XV-10
LUNG AND BRONCHUS CANCER (Invasive)

INCIDENCE, MORTALITY, AND SURVIVAL RATES

By Year of Diagnosis/Death

All Races, Males and Females

	Year of Diagnosis/Death																				
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Incidence																					
SEER	45.3	47.8	48.9	50.2	50.9	52.3	53.9	54.9	55.0	56.8	56.2	56.9	58.5	58.7	58.0	58.6	59.7	59.8	58.0	57.2	55.9
Mortality																					
U.S.	36.8	38.1	39.2	40.4	41.1	42.5	43.0	44.2	44.9	45.8	46.6	47.1	48.1	48.6	49.3	50.1	50.1	50.0	50.1	49.6	49.3
SEER	35.5	37.2	37.4	38.1	39.4	40.0	40.2	41.5	42.5	42.0	43.4	42.4	43.7	44.5	44.8	44.2	45.8	44.9	44.5	44.4	43.7
Relative Survival Rates (SEER)																					
1-year	34.2	36.3	37.0	38.6	37.4	38.3	37.8	39.2	39.6	39.1	39.7	40.6	39.9	40.4	40.6	40.5	41.4	41.2	40.8	40.5	
2-year	20.5	21.5	21.9	22.7	22.1	22.1	22.2	22.9	23.5	22.6	23.1	23.5	22.9	23.5	23.7	23.8	24.1	24.7	24.4		
3-year	15.5	16.9	16.8	17.4	17.1	17.0	16.9	17.9	18.1	17.6	17.9	17.9	17.2	17.8	17.8	18.2	19.0	18.9			
4-year	13.4	14.5	14.4	15.1	14.8	14.4	14.8	15.6	15.5	14.9	15.3	15.1	15.0	15.3	15.5	15.4	16.1				
5-year	12.1	13.0	13.1	13.7	13.5	13.0	13.3	13.9	14.2	13.3	13.9	13.5	13.5	13.6	14.2	13.9					
6-year	11.0	12.1	12.4	12.5	12.4	12.1	12.2	12.6	13.0	12.2	12.9	12.4	12.4	12.4	13.2						
7-year	10.4	11.5	11.7	11.7	11.9	11.3	11.2	12.0	12.1	11.4	11.9	11.7	11.3	11.4							
8-year	10.1	10.7	11.0	11.2	11.1	10.4	10.4	11.2	11.4	10.6	11.2	10.9	10.7								
9-year	9.8	10.2	10.5	10.6	10.4	9.8	9.8	10.6	10.6	9.9	10.5	10.4									
10-year	9.4	9.7	10.0	10.1	9.7	9.0	9.3	10.1	10.0	9.5	10.0										
11-year	9.1	9.1	9.6	9.7	9.3	8.5	9.0	9.8	9.7	9.2											
12-year	8.9	8.7	9.1	9.3	9.0	8.1	8.7	9.1	9.2												
13-year	8.5	8.3	8.8	9.1	8.6	7.6	8.2	8.9													
14-year	8.3	7.9	8.6	8.7	8.4	7.2	7.9														
15-year	7.9	7.5	8.2	8.2	7.8	6.9															
16-year	7.7	7.4	7.9	8.2	7.5																
17-year	7.3	7.2	7.8	8.0																	
18-year	7.1	7.0	7.4																		
19-year	7.1	6.5																			
20-year	7.0																				

Note: Incidence and mortality rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population.
Survival rates are relative rates expressed as percents.

Table XV-11
LUNG AND BRONCHUS CANCER (Invasive)

INCIDENCE, MORTALITY, AND SURVIVAL RATES

By Year of Diagnosis/Death

All Races, Males

Year of Diagnosis/Death

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Incidence																					
SEER	76.2	79.4	80.7	82.0	81.4	84.4	84.5	85.1	84.1	86.5	83.9	83.6	85.3	83.3	82.2	81.7	81.9	81.9	78.8	75.6	73.4
Mortality																					
U.S.	65.1	66.7	68.2	69.5	70.1	71.5	71.7	72.9	72.9	73.9	74.1	74.3	75.1	74.8	74.7	75.3	74.5	72.9	72.5	70.8	69.5
SEER	61.9	63.7	63.1	64.2	65.5	65.9	65.3	65.6	67.0	65.3	66.5	64.8	65.5	65.8	65.4	63.9	64.4	63.2	62.1	61.5	58.8
Relative Survival Rates (SEER)																					
1-year	33.0	34.2	35.2	36.2	35.2	36.6	35.7	37.2	37.7	37.3	37.0	38.7	38.5	38.4	38.3	38.3	39.1	39.3	38.2	38.2	
2-year	19.2	19.9	20.4	20.8	20.4	20.9	20.3	21.2	21.3	20.9	21.2	21.4	21.9	22.1	22.3	21.6	22.1	23.4	22.1		
3-year	14.2	15.3	15.4	15.5	15.4	15.9	15.0	16.3	16.0	15.8	15.8	16.4	16.1	16.7	16.5	16.3	17.3	17.7			
4-year	12.3	13.2	12.9	13.1	13.3	13.5	13.1	14.0	13.7	13.2	13.2	13.5	13.9	14.0	14.3	13.7	14.3				
5-year	10.9	11.8	11.9	11.7	11.9	12.2	11.7	12.4	12.6	11.6	11.9	12.0	12.6	12.3	13.1	12.1					
6-year	9.8	10.7	11.3	10.7	11.0	11.3	10.7	11.3	11.4	10.7	11.0	11.0	11.6	11.1	12.3						
7-year	9.3	10.2	10.6	10.0	10.5	10.6	9.8	10.5	10.6	9.8	10.2	10.4	10.7	10.1							
8-year	9.0	9.5	10.1	9.5	9.7	9.7	9.0	9.9	9.9	9.0	9.5	9.5	10.2								
9-year	8.8	9.0	9.5	8.9	9.2	9.0	8.4	9.4	9.1	8.6	9.0	9.1									
10-year	8.4	8.6	8.9	8.3	8.7	8.3	8.0	8.9	8.6	8.2	8.5										
11-year	8.1	8.1	8.4	7.9	8.2	7.9	7.7	8.6	8.2	8.0											
12-year	7.8	7.7	7.9	7.6	7.9	7.4	7.4	8.2	7.8												
13-year	7.4	7.3	7.6	7.4	7.5	7.1	6.9	8.0													
14-year	7.2	6.9	7.4	7.1	7.5	6.9	6.4														
15-year	6.7	6.5	7.2	6.4	7.1	6.6															
16-year	6.7	6.3	6.7	6.4	6.9																
17-year	6.5	6.2	6.7	6.4																	
18-year	6.1	5.9	6.6																		
19-year	6.1	5.4																			
20-year	6.1																				

Note: Incidence and mortality rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population.
Survival rates are relative rates expressed as percents.

Table XV-12
LUNG AND BRONCHUS CANCER (Invasive)

INCIDENCE, MORTALITY, AND SURVIVAL RATES

By Year of Diagnosis/Death

All Races, Females

Year of Diagnosis/Death

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Incidence																					
SEER	21.5	23.8	24.7	26.2	27.8	28.1	30.9	32.3	33.3	34.6	35.3	37.0	38.6	40.4	40.0	41.5	43.2	43.3	42.4	43.4	42.6
Mortality																					
U.S.	15.2	16.4	17.3	18.6	19.4	20.9	21.7	23.0	24.4	25.1	26.4	27.2	28.3	29.4	30.8	31.6	32.2	33.1	33.5	33.8	34.2
SEER	15.2	17.2	18.1	18.5	19.9	20.6	21.6	23.7	24.5	24.9	26.4	25.9	27.5	28.9	29.7	29.9	32.3	31.4	31.5	31.7	32.5
Relative Survival Rates (SEER)																					
1-year	37.7	41.7	42.0	44.6	42.7	42.3	42.3	43.2	43.6	42.8	44.8	44.1	42.4	43.6	44.4	44.1	44.9	44.0	44.4	43.6	
2-year	24.2	25.8	25.9	27.6	26.1	25.1	26.3	26.4	27.8	25.8	26.9	27.1	24.7	25.7	25.9	27.2	27.1	26.7	27.7		
3-year	19.1	21.0	20.2	22.2	20.9	19.5	20.9	21.1	22.2	21.0	21.8	20.7	19.0	19.6	19.8	21.1	21.5	20.5			
4-year	16.6	18.0	18.1	19.7	18.3	16.6	18.3	18.7	19.0	18.0	19.3	17.9	16.7	17.4	17.3	18.0	18.9				
5-year	15.1	16.3	16.0	18.4	17.0	14.8	16.5	16.8	17.3	16.2	17.3	16.0	14.9	15.6	15.8	16.3					
6-year	14.1	15.4	15.0	16.8	15.6	13.8	15.1	15.0	16.1	15.0	16.2	14.8	13.6	14.3	14.6						
7-year	13.2	14.6	14.2	15.8	14.8	12.8	13.9	14.7	14.8	14.2	14.8	13.9	12.3	13.4							
8-year	12.8	13.7	13.2	14.9	13.9	12.0	13.2	13.6	13.9	13.4	14.0	13.0	11.5								
9-year	12.3	12.9	12.8	14.3	12.9	11.5	12.3	12.8	13.2	12.1	13.1	12.6									
10-year	11.6	12.2	12.3	13.9	11.6	10.4	11.7	12.2	12.5	11.7	12.4										
11-year	11.5	11.2	12.1	13.2	11.3	9.7	11.4	11.7	12.2	11.0											
12-year	11.3	10.6	11.7	12.6	10.9	9.5	11.1	10.6	11.5												
13-year	11.0	10.4	11.2	12.5	10.6	8.6	10.5	10.2													
14-year	10.6	9.7	10.9	11.7	9.9	7.8	10.2														
15-year	10.4	9.5	10.1	11.6	9.1	7.3															
16-year	9.7	9.5	10.1	11.2	8.6																
17-year	8.9	9.2	9.7	10.9																	
18-year	8.9	8.9	8.9																		
19-year	8.8	8.4																			
20-year	8.2																				

Note: Incidence and mortality rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population.
Survival rates are relative rates expressed as percents.

Table XV-13

LUNG AND BRONCHUS CANCER (Invasive)

AGE-SPECIFIC CANCER SEER INCIDENCE RATES§ AND 23-YEAR TRENDS, 1973-95

By Race, Sex and Age Group

Sex/Age	All Races				Whites				Blacks			
	Average	Rate [⊕]	% Change	EAPC	Average	Rate [⊕]	% Change	EAPC	Average	Rate [⊕]	% Change	EAPC
	1973-74	94-95	73-95	73-95	1973-74	94-95	73-95	73-95	1973-74	94-95	73-95	73-95
Males & Females	43.2	56.5	30.8	1.3★	42.5	56.6	33.1	1.4★	58.9	74.6	26.7	1.4★
0-54:	10.5	8.6	-18.1	-1.1★	9.9	8.0	-19.6	-1.2★	18.2	15.7	-13.5	-0.8★
0-14	0.0	0.0	-76.1	-	0.0	0.0	-64.5	-	0.1	0.0	-	-
15-34	0.7	0.5	-19.3	-0.3	0.6	0.5	-15.7	-0.4	0.8	0.6	-26.4	1.6
35-44	13.8	8.6	-37.7	-2.6★	13.1	7.3	-44.1	-2.9★	21.3	19.6	-8.1	-1.4★
45-54	58.6	50.8	-13.4	-0.9★	55.7	47.9	-13.9	-0.9★	105.1	90.2	-14.1	-0.7★
55-64	145.2	166.9	14.9	0.8★	143.2	166.7	16.4	0.9★	204.9	248.1	21.1	1.2★
65+:	217.0	347.4	60.1	2.4★	216.2	352.8	63.2	2.4★	257.3	396.8	54.2	2.5★
65-74	227.1	340.4	49.9	2.1★	226.9	346.2	52.6	2.1★	283.3	405.9	43.3	2.3★
75+	200.6	358.8	78.9	2.9★	198.7	363.5	82.9	3.0★	215.0	382.0	77.7	2.9★
Males	73.9	74.5	0.9	0.1	73.3	73.0	-0.3	0.0	103.4	114.0	10.3	0.6★
0-54:	14.6	9.8	-33.1	-2.1★	13.7	8.8	-35.8	-2.3★	27.9	20.6	-26.1	-1.4★
0-14	0.0	0.0	-7.7	-	0.0	0.0	1.8	-	0.0	0.0	-	-
15-34	0.8	0.6	-16.9	-0.2	0.7	0.6	-9.2	-0.1	1.5	0.8	-46.4	-0.5
35-44	17.3	9.5	-45.2	-2.8★	16.2	7.5	-53.6	-3.2★	30.0	26.0	-13.3	-1.7★
45-54	84.1	58.0	-31.0	-2.0★	79.2	53.2	-32.9	-2.2★	164.1	118.3	-27.9	-1.3★
55-64	227.9	203.0	-10.9	-0.4	224.0	195.1	-12.9	-0.5	353.1	366.2	3.7	0.3
65+:	417.2	486.7	16.7	0.8★	422.2	486.6	15.3	0.7★	491.1	646.2	31.6	1.6★
65-74	415.0	452.9	9.1	0.5★	420.7	448.1	6.5	0.4★	529.8	646.0	21.9	1.2★
75+	420.7	541.9	28.8	1.2★	424.7	549.4	29.4	1.2★	428.1	646.4	51.0	2.3★
Females	19.1	43.0	125.6	3.9★	18.8	44.4	136.0	4.1★	21.3	46.1	115.9	4.0★
0-54:	6.6	7.4	13.2	0.3	6.3	7.2	13.6	0.3	9.3	11.5	22.7	0.5
0-14	0.1	0.0	-	-	0.1	0.0	-	-	0.2	0.0	-	-
15-34	0.6	0.4	-23.0	-0.4	0.6	0.5	-23.4	-0.6	0.2	0.4	110.9	-
35-44	10.4	7.7	-25.8	-2.3★	10.0	7.1	-29.2	-2.5★	13.7	14.0	2.2	-0.9
45-54	34.5	43.8	26.9	0.9★	33.3	42.8	28.6	1.0★	51.5	66.2	28.6	0.9★
55-64	68.6	133.9	95.2	3.3★	69.2	139.9	102.2	3.4★	70.7	154.3	118.2	4.5★
65+:	75.6	250.3	231.0	6.0★	74.3	260.5	250.6	6.2★	74.1	229.7	210.1	6.2★
65-74	79.8	249.9	213.3	5.6★	79.2	263.4	232.4	5.9★	72.6	229.7	216.2	6.5★
75+	68.8	250.9	264.4	6.6★	66.2	255.8	286.2	6.9★	76.4	229.8	200.7	5.8★

The EAPC is the Estimated Annual Percent Change over the time interval.

§ SEER Program. Rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population. Each rate has been age-adjusted by 5-year age groups.

⊕ The Average Rate is the Average Annual Rate over the specified two-year period.

★ The EAPC is significantly different from zero ($p < .05$).

- Statistic could not be calculated.

Table XV-14

LUNG AND BRONCHUS CANCER (Invasive)

AGE-SPECIFIC CANCER U.S. MORTALITY RATES* AND 23-YEAR TRENDS, 1973-95

By Race, Sex and Age Group

Sex/Age	All Races				Whites				Blacks			
	Average	Rate [⊕]	% Change	EAPC	Average	Rate [⊕]	% Change	EAPC	Average	Rate [⊕]	% Change	EAPC
	1973-74	94-95	73-95	73-95	1973-74	94-95	73-95	73-95	1973-74	94-95	73-95	73-95
Males & Females	35.4	49.4	39.7	1.7★	34.9	49.1	40.6	1.7★	41.7	59.7	43.3	1.9★
0-54:	8.3	6.6	-20.6	-1.1★	7.8	6.3	-19.5	-1.1★	13.7	10.5	-23.1	-1.1★
0-14	0.0	0.0	-27.3	-1.6	0.0	0.0	-24.4	-0.9	0.0	0.0	-12.4	-
15-34	0.4	0.3	-26.0	-1.4★	0.4	0.3	-24.6	-1.5★	0.5	0.3	-31.9	-1.0
35-44	10.7	6.3	-41.1	-2.7★	10.0	5.8	-42.1	-2.8★	17.2	11.0	-36.0	-2.2★
45-54	47.3	39.8	-15.9	-0.8★	44.4	38.1	-14.3	-0.8★	78.5	62.6	-20.1	-0.9★
55-64	119.0	144.2	21.1	1.1★	116.9	142.5	21.9	1.2★	149.2	189.1	26.8	1.3★
65+:	179.9	312.8	73.9	2.7★	181.3	313.7	73.1	2.7★	171.6	343.3	100.1	3.5★
65-74	184.5	294.8	59.8	2.3★	185.4	295.0	59.1	2.3★	184.5	341.6	85.1	3.2★
75+	172.4	342.1	98.5	3.4★	174.4	344.3	97.4	3.4★	150.5	346.1	130.0	4.2★
Males	63.3	70.2	10.9	0.6★	62.4	68.6	9.9	0.5★	76.8	98.1	27.7	1.3★
0-54:	12.4	8.2	-34.2	-2.0★	11.5	7.5	-34.5	-2.0★	23.0	15.8	-31.2	-1.7★
0-14	0.0	0.0	-30.5	-	0.0	0.0	-32.3	-	0.0	0.0	-16.2	-
15-34	0.5	0.3	-32.6	-2.0★	0.4	0.3	-30.4	-2.1★	0.8	0.4	-45.9	-1.6★
35-44	15.0	7.6	-49.6	-3.3★	13.8	6.7	-51.5	-3.5★	27.2	15.7	-42.3	-2.7★
45-54	72.0	49.7	-31.0	-1.8★	66.5	45.9	-31.0	-1.8★	133.8	95.4	-28.7	-1.5★
55-64	198.8	191.3	-3.8	0.0	193.4	184.6	-4.5	0.0	273.0	297.0	8.8	0.5
65+:	354.4	466.2	31.6	1.3★	358.2	461.6	28.8	1.2★	336.5	588.5	74.9	2.9★
65-74	350.5	415.6	18.6	0.8★	352.7	409.3	16.1	0.7★	355.8	553.2	55.5	2.3★
75+	360.8	548.8	52.1	2.1★	367.3	546.7	48.9	1.9★	305.0	645.9	111.8	3.9★
Females	13.8	34.0	146.4	4.5★	13.8	34.6	150.6	4.5★	13.9	33.3	139.6	4.4★
0-54:	4.5	5.1	13.8	0.5	4.3	5.1	16.9	0.6★	5.8	6.1	5.0	0.3
0-14	0.0	0.0	-23.4	0.3	0.0	0.0	-14.5	-	0.0	0.0	-2.5	-
15-34	0.3	0.2	-16.0	-0.6	0.3	0.2	-16.3	-0.7★	0.3	0.3	1.8	0.0
35-44	6.5	5.0	-22.7	-1.7★	6.3	4.9	-22.4	-1.7★	8.9	7.0	-21.8	-1.3★
45-54	24.4	30.3	24.5	1.0★	23.8	30.5	28.3	1.1★	31.7	35.7	12.5	0.7★
55-64	48.5	101.7	109.6	3.7★	49.0	103.8	111.9	3.7★	46.3	106.4	129.7	4.3★
65+:	58.2	208.3	258.2	6.4★	58.9	212.7	261.3	6.5★	50.2	189.0	276.4	6.7★
65-74	57.2	198.6	247.5	6.2★	57.8	202.8	250.5	6.3★	51.5	192.0	272.4	6.7★
75+	59.8	224.1	274.8	6.7★	60.6	229.0	278.0	6.8★	48.1	184.2	283.2	6.7★

The EAPC is the Estimated Annual Percent Change over the time interval.

* NCHS public use tape. Rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population. Each rate has been age-adjusted by 5-year age groups.

⊕ The Average Rate is the Average Annual Rate over the specified two-year period.

★ The EAPC is significantly different from zero ($p < .05$).

- Statistic could not be calculated.

Table XV-15
LUNG AND BRONCHUS CANCER (Invasive)

Percent Diagnosed With Cancer In 10, 20 and 30 Years and In Remaining Lifetime,
 Given Cancer Free At Current Age By Race and Sex

Lifetime Risk (Percent) of Being Diagnosed With Cancer and
 Lifetime Risk (Percent) of Dying From Cancer

SEER Areas, 1993-95

All Races									
Current Age	Males				Females				
	+10 yrs	+20 yrs	+30 yrs	Eventually	+10 yrs	+20 yrs	+30 yrs	Eventually	
0	0.00	0.00	0.01	8.27	0.00	0.00	0.00	5.64	
10	0.00	0.01	0.04	8.36	0.00	0.00	0.03	5.68	
20	0.01	0.04	0.27	8.42	0.00	0.03	0.23	5.70	
30	0.03	0.27	1.34	8.56	0.03	0.22	0.99	5.73	
40	0.24	1.34	4.00	8.76	0.19	0.97	2.68	5.76	
50	1.14	3.92	7.15	8.89	0.79	2.53	4.54	5.68	
60	3.03	6.55	8.25	8.46	1.83	3.95	4.98	5.15	
Lifetime Risk of Being Diagnosed =				8.27%	Lifetime Risk of Being Diagnosed =				5.64%
Lifetime Risk of Dying =				6.96%	Lifetime Risk of Dying =				4.49%

Whites									
Current Age	Males				Females				
	+10 yrs	+20 yrs	+30 yrs	Eventually	+10 yrs	+20 yrs	+30 yrs	Eventually	
0	0.00	0.00	0.01	8.34	0.00	0.00	0.00	5.89	
10	0.00	0.01	0.03	8.41	0.00	0.00	0.03	5.93	
20	0.01	0.03	0.24	8.47	0.00	0.03	0.22	5.95	
30	0.03	0.24	1.24	8.58	0.03	0.21	1.01	5.97	
40	0.22	1.24	3.90	8.75	0.19	0.98	2.79	5.99	
50	1.07	3.83	7.10	8.86	0.81	2.65	4.76	5.91	
60	2.99	6.53	8.24	8.44	1.92	4.14	5.19	5.34	
Lifetime Risk of Being Diagnosed =				8.34%	Lifetime Risk of Being Diagnosed =				5.89%
Lifetime Risk of Dying =				7.07%	Lifetime Risk of Dying =				4.72%

Blacks									
Current Age	Males				Females				
	+10 yrs	+20 yrs	+30 yrs	Eventually	+10 yrs	+20 yrs	+30 yrs	Eventually	
0	0.00	0.00	0.01	8.47	0.00	0.00	0.00	4.83	
10	0.00	0.01	0.09	8.68	0.00	0.00	0.05	4.92	
20	0.01	0.09	0.53	8.82	0.00	0.05	0.35	4.94	
30	0.08	0.54	2.41	9.17	0.05	0.35	1.26	4.99	
40	0.49	2.47	5.64	9.65	0.30	1.24	2.88	5.05	
50	2.21	5.74	8.88	10.20	0.98	2.71	4.17	4.99	
60	4.27	8.07	9.52	9.67	1.91	3.52	4.26	4.44	
Lifetime Risk of Being Diagnosed =				8.47%	Lifetime Risk of Being Diagnosed =				4.83%
Lifetime Risk of Dying =				7.10%	Lifetime Risk of Dying =				3.67%

Table XV-16
LUNG AND BRONCHUS (Invasive)

AGE-ADJUSTED SEER INCIDENCE AND U.S. MORTALITY RATES

By Race/Ethnicity and Sex

Incidenceⁱ

RACE/ETHNICITY	Rate 1990-1995			Trend 1990-1995		
	Rate per 100,000 persons			EAPC (%)		
	Total	Males	Females	Total	Males	Females
All Races	56.3	75.8	41.7	-1.4★	-2.6★	0.1
White	56.4	74.3	43.3	-1.3★	-2.7★	0.4
White Hispanic	29.6	42.1	20.7	-3.4★	-3.9★	-3.1
White Non-Hispanic	59.3	77.6	45.8	-1.1★	-2.6★	0.7
Black	75.0	114.4	46.4	-1.9★	-2.2	-1.6
Asian/Pacific Islander [‡]	35.8	52.4	22.4	-1.5	-1.7	-0.4
American Indian	18.8	25.1	14.1	-0.9	3.6	-7.0
Hispanic [⊙]	28.2	40.0	19.8	-3.6★	-4.1★	-3.3

Mortality[‡]

RACE/ETHNICITY	Rate 1990-1995			Trend 1990-1995		
	Rate per 100,000 persons			EAPC (%)		
	Total	Males	Females	Total	Males	Females
All Races	49.8	72.5	33.1	-0.3★	-1.6★	1.6★
White	49.4	70.7	33.6	-0.2	-1.5★	1.7★
White Hispanic	21.0	33.9	11.5	-1.0	-1.4	-0.4
White Non-Hispanic	50.9	72.5	34.9	-0.1	-1.4★	1.8★
Black	61.0	102.0	32.7	-1.0★	-1.9★	1.0
Asian/Pacific Islander [‡]	23.9	35.1	15.0	-0.4	-1.3	1.7
American Indian	28.5	40.0	19.6	2.5★	0.3	5.5★
Hispanic [⊙]	20.1	32.4	11.0	-1.5★	-1.9★	-0.9★

- The EAPC is the Estimated Annual Percent Change over the time interval.
- Statistic not shown. Rate based on less than 10 cases per year within the time interval.
- ⁱ Incidence data are from the 11 SEER areas (San Francisco, Connecticut, Detroit, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, and Los Angeles). Unless specified, other tables use data from 9 SEER areas (San Francisco, Connecticut, Detroit, Iowa, New Mexico, Seattle, Utah, and Atlanta).
- [⊙] Hispanic is not mutually exclusive from whites, blacks, Asian Pacific Islanders, and American Indians. For incidence, all 11 SEER areas are included. For mortality, information is included for all states except Connecticut, Oklahoma, Louisiana, and New Hampshire.
- [‡] Mortality data are analyzed from a public-use file provided by the National Center for Health Statistics (NCHS).
- [‡] Population estimates for the Asian Pacific Islanders rates are adjusted Census Bureau estimates. The population estimates used in Wingo PA, Ries LAG, Rosenberg HM, Miller DS, Edwards BK. Cancer Incidence and mortality, 1973-1995. Cancer 82:1197-207, 1998 were unadjusted.
- ★ The EAPC is significantly different from zero (p<.05).

Table XV-17
LUNG AND BRONCHUS CANCER (Invasive)

AGE-ADJUSTED SEER INCIDENCE RATES§ AND SEER MORTALITY RATES*
By Registry, Race and Sex

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>SEER INCIDENCE RATES§, 1991-95</u>									
REGISTRY									
11 registries	56.0	75.0	41.9	56.2	73.4	43.5	74.8	114.2	46.2
9 registries	58.1	78.3	43.0	57.9	76.6	44.2	77.7	119.5	47.4
San Francisco-Oakland	56.3	71.7	44.7	57.6	69.8	48.7	79.2	116.0	51.4
Connecticut	59.5	78.1	46.4	59.2	76.9	47.1	67.3	105.5	40.7
Metropolitan Detroit	73.4	102.4	52.6	70.8	96.4	52.7	83.9	127.9	52.2
Hawaii	45.9	62.6	31.0	62.6	75.8	50.2	-	-	-
Iowa	57.7	83.5	38.4	57.4	82.8	38.5	-	-	-
New Mexico	39.8	53.2	29.5	41.5	55.1	30.9	-	-	-
Seattle-Puget Sound	62.2	78.7	49.5	62.6	78.4	50.6	78.6	114.9	43.9
Utah	27.2	39.5	17.3	27.0	38.9	17.5	-	-	-
Metropolitan Atlanta	65.4	95.0	45.2	63.8	88.6	46.8	70.5	118.4	40.1
San Jose-Monterey	50.3	64.7	39.7	52.9	66.7	43.1	66.2	96.3	41.9
Los Angeles	50.9	66.9	39.1	51.0	64.2	41.3	68.6	103.0	43.7
<u>SEER MORTALITY RATES*, 1991-95</u>									
REGISTRY									
11 registries	43.4	59.8	31.4	43.6	58.8	32.6	59.5	93.0	35.5
9 registries	44.6	62.0	31.9	44.7	61.0	32.8	60.9	96.0	35.7
San Francisco-Oakland	44.2	56.8	35.1	45.8	56.1	38.5	64.0	93.7	42.4
Connecticut	44.0	60.5	32.6	43.7	59.5	33.0	50.5	82.3	28.6
Metropolitan Detroit	53.8	77.7	36.8	51.7	73.3	36.6	63.0	98.0	37.7
Hawaii	34.1	46.7	22.9	48.1	60.1	37.0	-	-	-
Iowa	45.7	67.5	29.8	45.4	66.9	29.7	-	-	-
New Mexico	34.9	48.2	24.4	36.1	49.9	25.3	-	-	-
Seattle-Puget Sound	47.8	62.8	36.7	48.6	63.1	37.8	52.5	80.1	27.2
Utah	21.9	31.8	14.0	21.8	31.3	14.2	-	-	-
Metropolitan Atlanta	51.9	78.7	33.8	50.0	72.5	34.7	60.7	107.6	31.5
San Jose-Monterey	38.4	51.2	29.1	40.5	53.0	31.6	48.0	75.1	27.0
Los Angeles	40.7	54.6	30.5	40.8	52.8	32.1	56.7	87.1	35.4

Note: San Jose-Monterey and Los Angeles are new SEER areas as of 1992 and their data are only used in tables where indicated.
§ SEER Program. Incidence rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population.
* NCHS public use tape. Mortality rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population.
- Statistic could not be calculated or populations are inadequate.

Table XV-18
LUNG AND BRONCHUS CANCER (Invasive)

AVERAGE ANNUAL AGE-ADJUSTED CANCER MORTALITY* RATES BY STATE, 1991-95

All Races, Males and Females

State	Rate	SE	Rank	PD	State	Rate	SE	Rank	PD
TOTAL U.S.	49.8	0.06							
High Five States									
Kentucky	68.0⊕*	0.57	(01)	36.5					
Arkansas	62.2⊕*	0.65	(02)	24.9					
West Virginia	61.5⊕*	0.72	(03)	23.5					
Louisiana	60.6⊕*	0.52	(04)	21.7					
Delaware	59.7⊕*	1.24	(05)	19.9					
Low Five States									
Idaho	37.9⊕*	0.81	(47)	-23.9					
Colorado	36.5⊕*	0.46	(48)	-26.7					
New Mexico	34.9⊕*	0.65	(49)	-29.9					
Hawaii	34.1⊕*	0.74	(50)	-31.5					
Utah	21.9⊕*	0.54	(51)	-56.0					
Alabama	54.4⊕*	0.48	(15)	9.2	Montana	43.9⊕*	0.94	(40)	-11.8
Alaska	52.3*	1.89	(22)	5.0	Nebraska	42.5⊕*	0.68	(41)	-14.7
Arizona	45.6⊕*	0.45	(36)	-8.4	Nevada	58.2⊕*	0.88	(07)	16.9
Arkansas	62.2⊕*	0.65	(02)	24.9	New Hampshire	52.5*	0.95	(20)	5.4
California	44.0⊕*	0.17	(38)	-11.6	New Jersey	47.9⊕	0.32	(33)	-3.8
Colorado	36.5⊕*	0.46	(48)	-26.7	New Mexico	34.9⊕*	0.65	(49)	-29.9
Connecticut	44.0⊕*	0.47	(39)	-11.6	New York	45.3⊕*	0.21	(37)	-9.0
Delaware	59.7⊕*	1.24	(05)	19.9	North Carolina	53.2⊕*	0.37	(19)	6.8
District of Columbia	53.6*	1.29	(17)	7.6	North Dakota	38.7⊕*	1.03	(46)	-22.3
Florida	51.4⊕	0.23	(24)	3.2	Ohio	54.5⊕*	0.29	(14)	9.4
Georgia	55.0⊕*	0.41	(13)	10.4	Oklahoma	55.9⊕*	0.55	(09)	12.2
Hawaii	34.1⊕*	0.74	(50)	-31.5	Oregon	50.8	0.54	(28)	2.0
Idaho	37.9⊕*	0.81	(47)	-23.9	Pennsylvania	48.7	0.25	(30)	-2.2
Illinois	50.9	0.28	(27)	2.2	Rhode Island	51.1	0.92	(25)	2.6
Indiana	55.4⊕*	0.42	(12)	11.2	South Carolina	52.5⊕*	0.52	(21)	5.4
Iowa	45.7⊕*	0.51	(35)	-8.2	South Dakota	41.3⊕*	0.99	(44)	-17.1
Kansas	45.9⊕*	0.57	(34)	-7.8	Tennessee	59.4⊕*	0.45	(06)	19.3
Kentucky	68.0⊕*	0.57	(01)	36.5	Texas	50.9	0.24	(26)	2.2
Louisiana	60.6⊕*	0.52	(04)	21.7	Utah	21.9⊕*	0.54	(51)	-56.0
Maine	56.7⊕*	0.89	(08)	13.9	Vermont	48.5	1.27	(32)	-2.6
Maryland	53.7⊕*	0.46	(16)	7.8	Virginia	53.2⊕*	0.40	(18)	6.8
Massachusetts	48.7	0.37	(29)	-2.2	Washington	48.6	0.42	(31)	-2.4
Michigan	51.5⊕	0.32	(23)	3.4	West Virginia	61.5⊕*	0.72	(03)	23.5
Minnesota	39.7⊕*	0.41	(45)	-20.3	Wisconsin	41.7⊕*	0.38	(43)	-16.3
Mississippi	55.7⊕*	0.62	(11)	11.8	Wyoming	42.4⊕*	1.33	(42)	-14.9
Missouri	55.8⊕*	0.43	(10)	12.0					

* NCHS public use tape. Rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population.
SE Standard error of the rate.
PD Percent difference between state rate and total U.S. rate.
* Absolute difference between state rate and total U.S. rate is 5% or more.
⊕ Difference between state rate and total U.S. rate is statistically significant (p<=.0002).

Table XV-19
LUNG AND BRONCHUS CANCER (Invasive)

AVERAGE ANNUAL AGE-ADJUSTED CANCER MORTALITY* RATES BY STATE, 1991-95

All Races, Males

State	Rate	SE	Rank	PD	State	Rate	SE	Rank	PD
TOTAL U.S.	72.0	0.11							
High Five States									
Kentucky	104.0⊕*	1.06	(01)	44.4					
Arkansas	97.3⊕*	1.21	(02)	35.1					
Tennessee	95.0⊕*	0.87	(03)	31.9					
Louisiana	95.0⊕*	1.00	(04)	31.9					
Mississippi	91.4⊕*	1.22	(05)	26.9					
Low Five States									
Colorado	51.2⊕*	0.82	(47)	-28.9					
Idaho	50.7⊕*	1.37	(48)	-29.6					
New Mexico	48.2⊕*	1.13	(49)	-33.1					
Hawaii	46.7⊕*	1.26	(50)	-35.1					
Utah	31.8⊕*	0.96	(51)	-55.8					
Alabama	88.4⊕*	0.93	(08)	22.8	Montana	58.8⊕*	1.60	(42)	-18.3
Alaska	65.8*	3.12	(33)	-8.6	Nebraska	63.1⊕*	1.22	(37)	-12.4
Arizona	62.6⊕*	0.78	(38)	-13.1	Nevada	72.5	1.45	(24)	0.7
Arkansas	97.3⊕*	1.21	(02)	35.1	New Hampshire	72.4	1.67	(25)	0.6
California	57.5⊕*	0.29	(43)	-20.1	New Jersey	67.5⊕*	0.57	(31)	-6.3
Colorado	51.2⊕*	0.82	(47)	-28.9	New Mexico	48.2⊕*	1.13	(49)	-33.1
Connecticut	60.5⊕*	0.83	(39)	-16.0	New York	63.9⊕*	0.38	(36)	-11.3
Delaware	84.3⊕*	2.23	(12)	17.1	North Carolina	85.3⊕*	0.72	(09)	18.5
District of Columbia	81.7*	2.47	(15)	13.5	North Dakota	56.7⊕*	1.79	(45)	-21.3
Florida	71.3	0.41	(27)	-1.0	Ohio	80.1⊕*	0.54	(18)	11.3
Georgia	88.9⊕*	0.81	(07)	23.5	Oklahoma	84.9⊕*	1.00	(10)	17.9
Hawaii	46.7⊕*	1.26	(50)	-35.1	Oregon	65.0⊕*	0.89	(34)	-9.7
Idaho	50.7⊕*	1.37	(48)	-29.6	Pennsylvania	71.8	0.46	(26)	-0.3
Illinois	74.6⊕	0.52	(22)	3.6	Rhode Island	75.4	1.70	(21)	4.7
Indiana	82.6⊕*	0.77	(14)	14.7	South Carolina	84.5⊕*	1.02	(11)	17.4
Iowa	67.5*	0.92	(29)	-6.3	South Dakota	59.6⊕*	1.73	(41)	-17.2
Kansas	67.5*	1.02	(30)	-6.3	Tennessee	95.0⊕*	0.87	(03)	31.9
Kentucky	104.0⊕*	1.06	(01)	44.4	Texas	75.5⊕	0.45	(20)	4.9
Louisiana	95.0⊕*	1.00	(04)	31.9	Utah	31.8⊕*	0.96	(51)	-55.8
Maine	80.5⊕*	1.58	(16)	11.8	Vermont	66.3*	2.20	(32)	-7.9
Maryland	75.9*	0.83	(19)	5.4	Virginia	80.1⊕*	0.75	(17)	11.3
Massachusetts	67.6⊕*	0.67	(28)	-6.1	Washington	64.4⊕*	0.72	(35)	-10.6
Michigan	74.1	0.57	(23)	2.9	West Virginia	89.2⊕*	1.31	(06)	23.9
Minnesota	55.3⊕*	0.71	(46)	-23.2	Wisconsin	59.9⊕*	0.68	(40)	-16.8
Mississippi	91.4⊕*	1.22	(05)	26.9	Wyoming	57.1⊕*	2.28	(44)	-20.7
Missouri	82.9⊕*	0.78	(13)	15.1					

* NCHS public use tape. Rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population.
SE Standard error of the rate.
PD Percent difference between state rate and total U.S. rate.
* Absolute difference between state rate and total U.S. rate is 5% or more.
⊕ Difference between state rate and total U.S. rate is statistically significant (p<=.0002).

Table XV-20
LUNG AND BRONCHUS CANCER (Invasive)

AVERAGE ANNUAL AGE-ADJUSTED CANCER MORTALITY* RATES BY STATE, 1991-95

All Races, Females

State	Rate	SE	Rank	PD
TOTAL U.S.	33.3	0.07		
High Five States				
Nevada	46.0⊕*	1.09	(01)	38.1
Kentucky	41.8⊕*	0.60	(02)	25.5
West Virginia	41.3⊕*	0.80	(03)	24.0
Delaware	41.2⊕*	1.39	(04)	23.7
Alaska	40.0*	2.27	(05)	20.1
Low Five States				
Colorado	25.5⊕*	0.52	(47)	-23.4
New Mexico	24.4⊕*	0.74	(48)	-26.7
North Dakota	24.3⊕*	1.15	(49)	-27.0
Hawaii	22.9⊕*	0.83	(50)	-31.2
Utah	14.0⊕*	0.59	(51)	-58.0

State	Rate	SE	Rank	PD	State	Rate	SE	Rank	PD
Alabama	30.0⊕	0.47	(38)	-9.9	Montana	32.0	1.12	(33)	-3.9
Alaska	40.0*	2.27	(05)	20.1	Nebraska	26.9⊕*	0.74	(46)	-19.2
Arizona	32.1	0.52	(32)	-3.6	Nevada	46.0⊕*	1.09	(01)	38.1
Arkansas	35.4	0.67	(18)	6.3	New Hampshire	38.0*	1.11	(08)	14.1
California	33.9	0.20	(24)	1.8	New Jersey	33.9	0.36	(23)	1.8
Colorado	25.5⊕*	0.52	(47)	-23.4	New Mexico	24.4⊕*	0.74	(48)	-26.7
Connecticut	32.6	0.55	(29)	-2.1	New York	32.2	0.23	(30)	-3.3
Delaware	41.2⊕*	1.39	(04)	23.7	North Carolina	30.2⊕	0.37	(36)	-9.3
District of Columbia	34.7	1.38	(20)	4.2	North Dakota	24.3⊕*	1.15	(49)	-27.0
Florida	35.7⊕	0.27	(16)	7.2	Ohio	35.9⊕	0.32	(13)	7.8
Georgia	31.2⊕	0.41	(34)	-6.3	Oklahoma	34.4	0.58	(21)	3.3
Hawaii	22.9⊕*	0.83	(50)	-31.2	Oregon	40.0⊕*	0.66	(06)	20.1
Idaho	27.5⊕*	0.95	(44)	-17.4	Pennsylvania	32.2	0.27	(31)	-3.3
Illinois	33.7	0.31	(26)	1.2	Rhode Island	34.1	1.02	(22)	2.4
Indiana	36.0⊕	0.45	(11)	8.1	South Carolina	29.4⊕*	0.52	(41)	-11.7
Iowa	29.8⊕*	0.57	(40)	-10.5	South Dakota	26.9⊕*	1.12	(45)	-19.2
Kansas	29.8⊕*	0.62	(39)	-10.5	Tennessee	33.4	0.46	(27)	0.3
Kentucky	41.8⊕*	0.60	(02)	25.5	Texas	32.6	0.26	(28)	-2.1
Louisiana	35.9	0.54	(12)	7.8	Utah	14.0⊕*	0.59	(51)	-58.0
Maine	39.1⊕*	1.00	(07)	17.4	Vermont	35.4	1.48	(17)	6.3
Maryland	37.7⊕*	0.52	(09)	13.2	Virginia	33.8	0.43	(25)	1.5
Massachusetts	35.7⊕	0.43	(15)	7.2	Washington	36.7⊕*	0.50	(10)	10.2
Michigan	34.9	0.35	(19)	4.8	West Virginia	41.3⊕*	0.80	(03)	24.0
Minnesota	28.2⊕*	0.47	(42)	-15.3	Wisconsin	28.0⊕*	0.43	(43)	-15.9
Mississippi	30.0⊕	0.61	(37)	-9.9	Wyoming	30.7	1.56	(35)	-7.8
Missouri	35.9⊕	0.47	(14)	7.8					

* NCHS public use tape. Rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population.
SE Standard error of the rate.
PD Percent difference between state rate and total U.S. rate.
* Absolute difference between state rate and total U.S. rate is 10% or more.
⊕ Difference between state rate and total U.S. rate is statistically significant (p<=.0002).

SEER Incidence and U.S. Mortality Lung, Male, Under 65 Years of Age By Race

White

Black

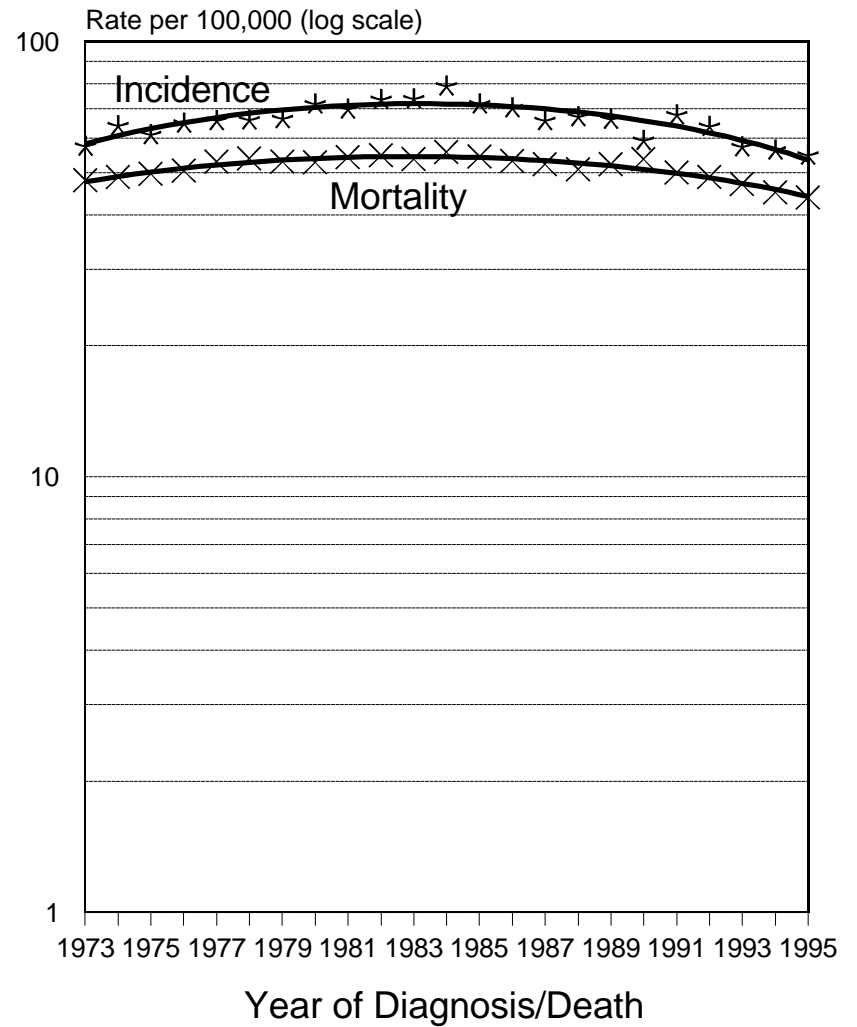
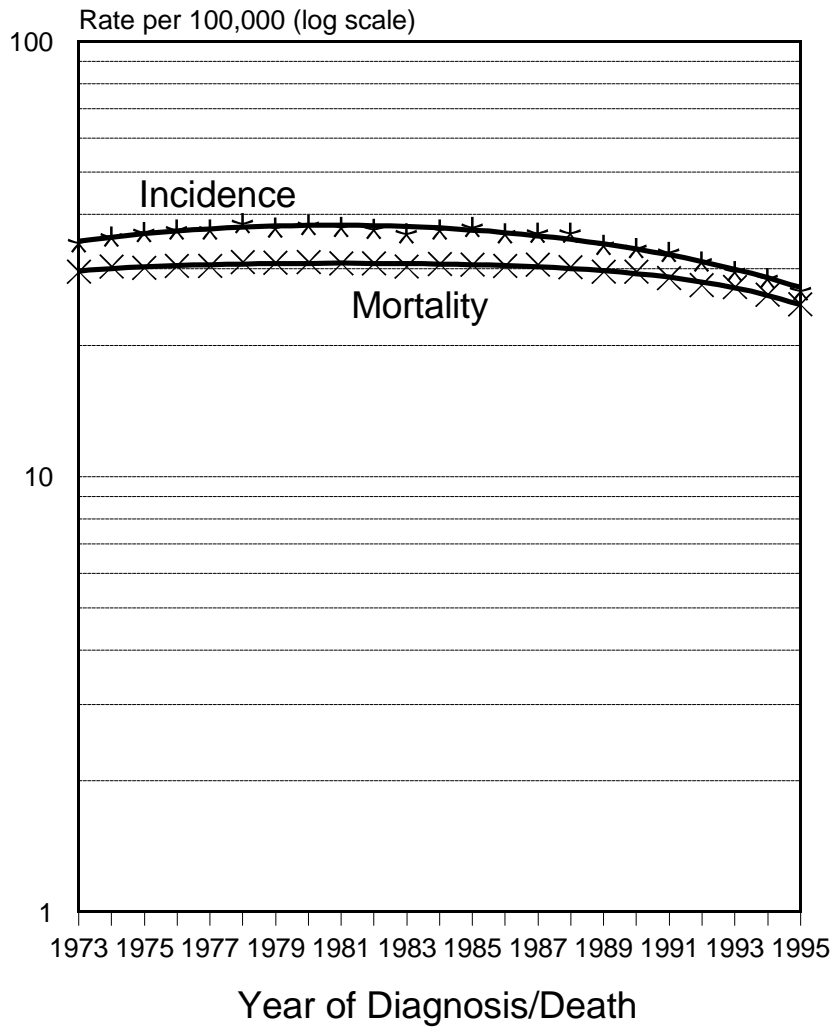


Figure XV-1

SEER Incidence and U.S. Mortality Lung, Female, Under 65 Years of Age By Race

White

Black

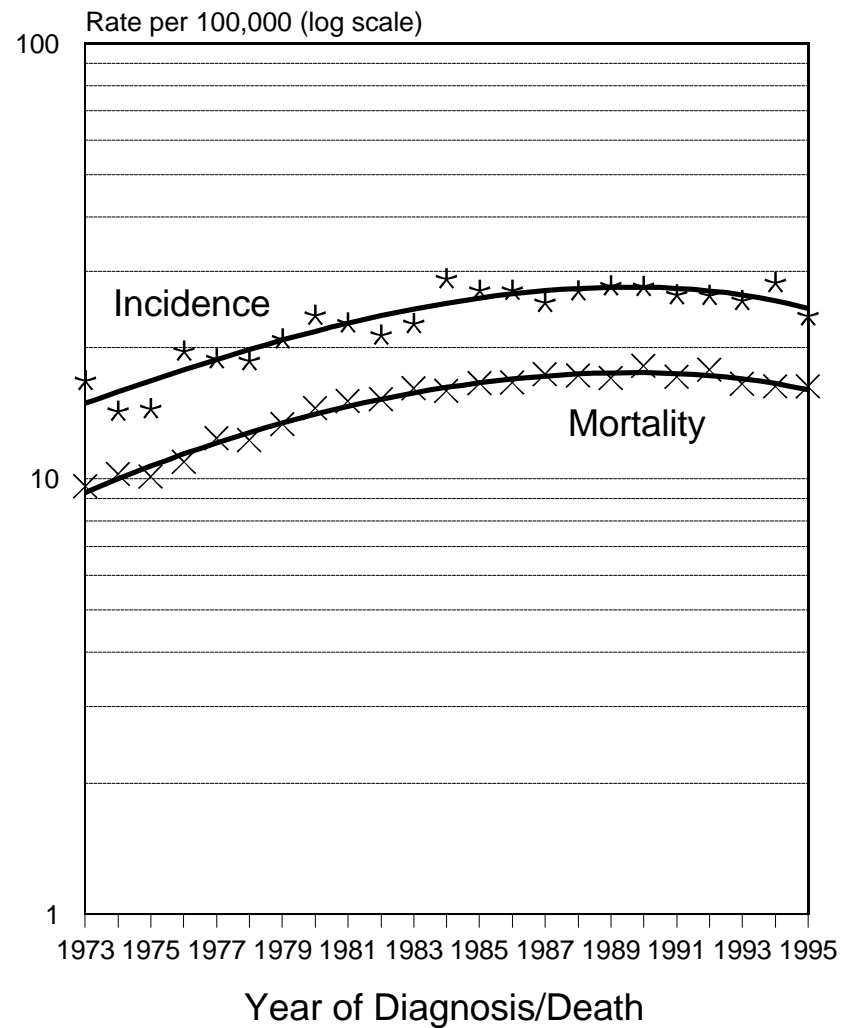
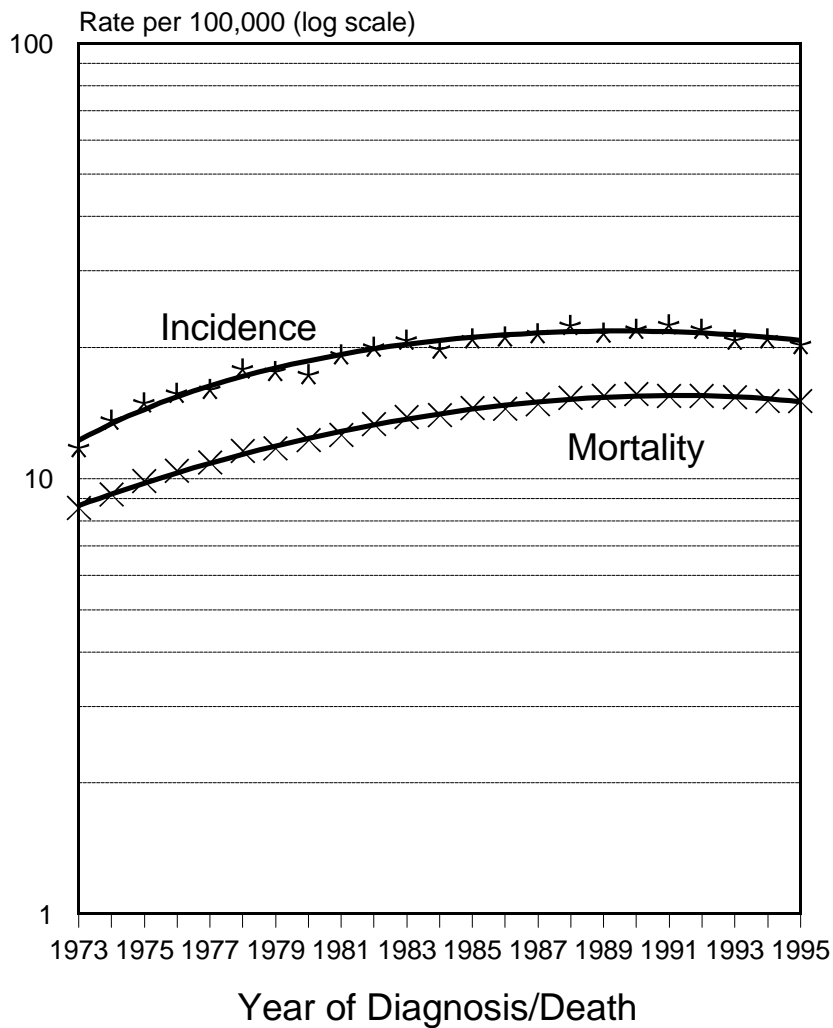


Figure XV-2

SEER Incidence and U.S. Mortality Lung, Male, Ages 65 and Over By Race

White

Black

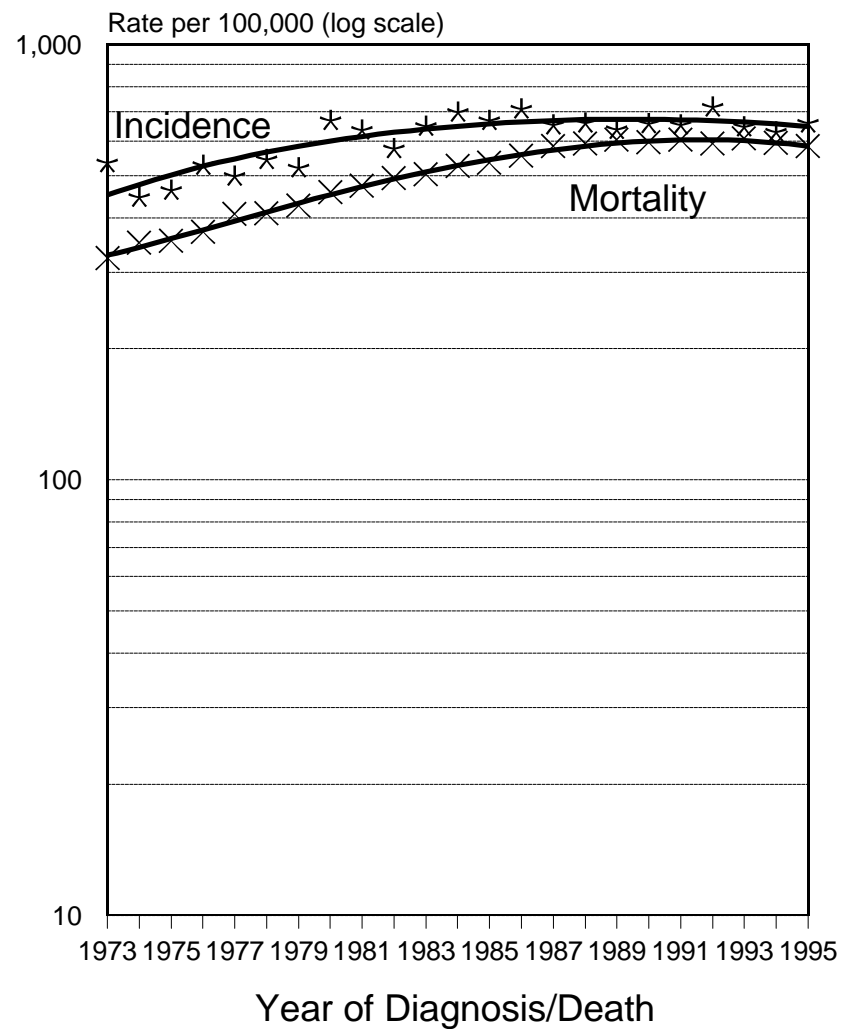
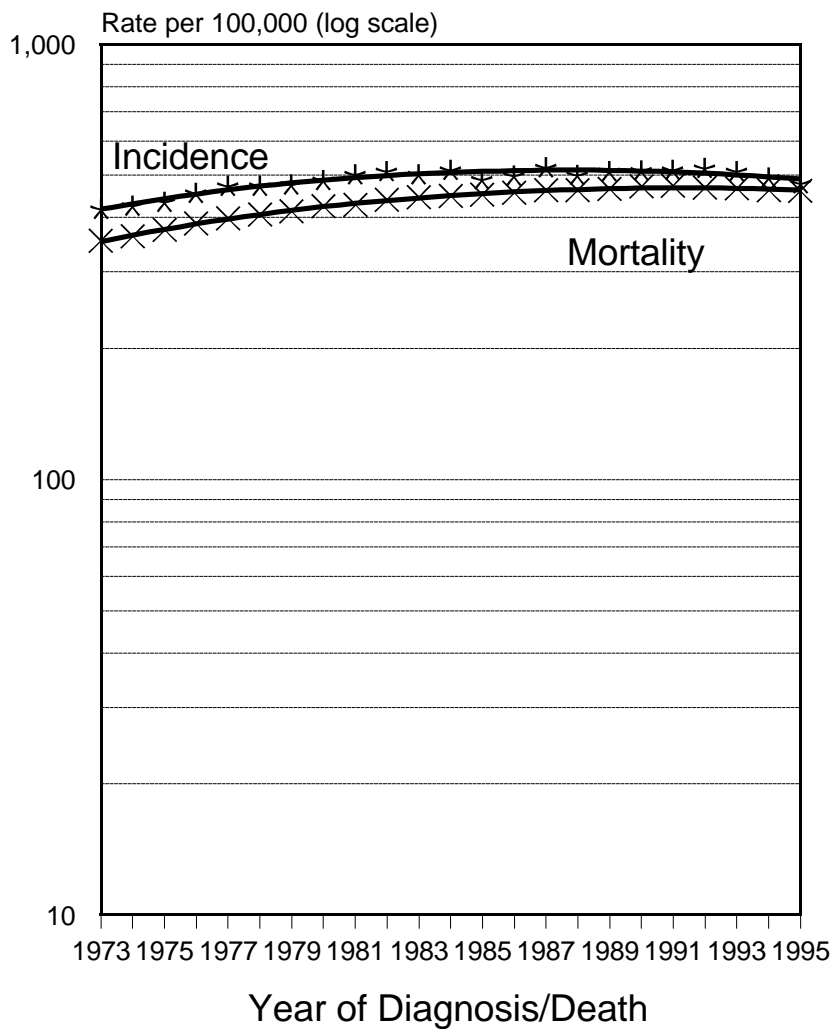


Figure XV-3

SEER Incidence and U.S. Mortality Lung, Female, Ages 65 and Over By Race

White

Black

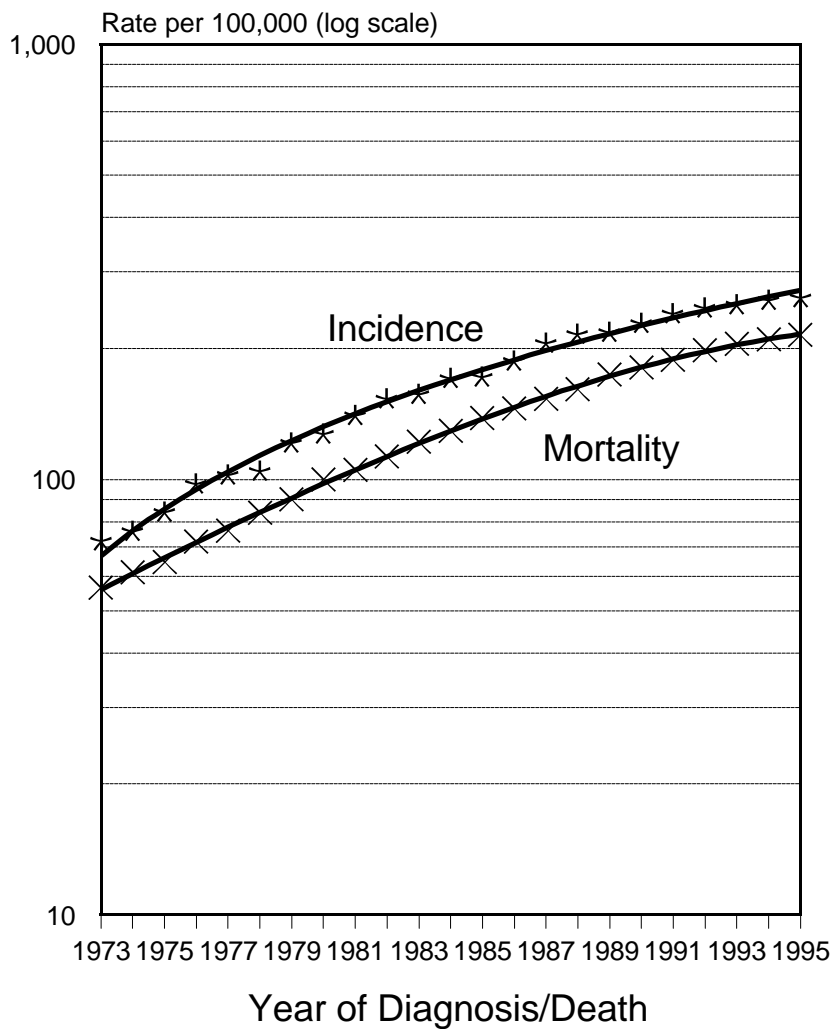
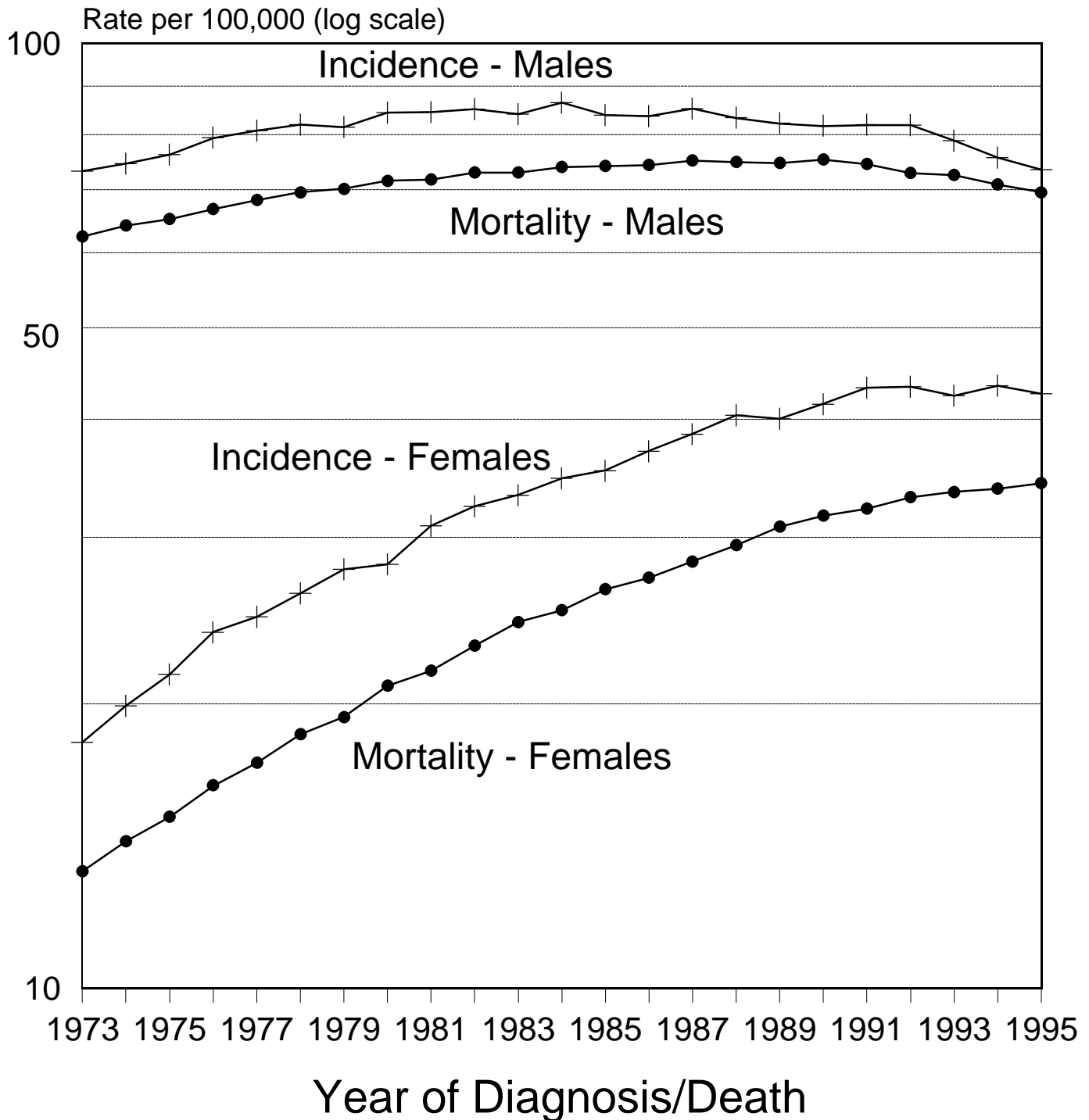


Figure XV-4

Cancer of the Lung & Bronchus

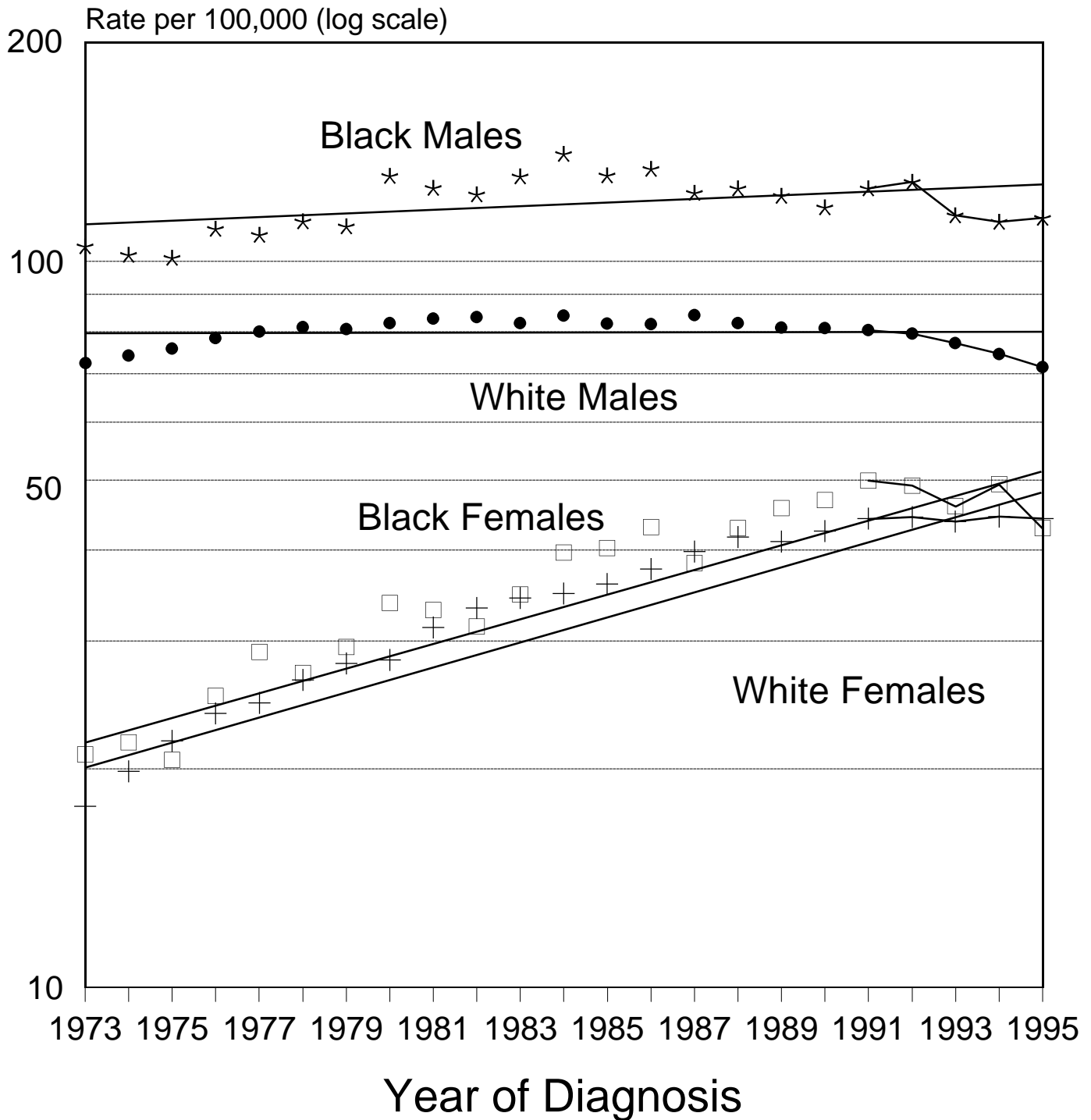
SEER Incidence & U.S. Mortality Rates, 1973-1995

By Sex, All Races



Age-adjusted to 1970 Standard

Cancer of the Lung & Bronchus SEER Incidence, 1973-1995 By Sex and Race



Age-adjusted to 1970 Standard
Recent trend, 1991-1995, highlighted