

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>1973-94</u>									
All Ages									
Percent Change (PC)	31.4	3.0	121.8	33.2	1.8	130.5	27.1	9.2	120.9
Est. Annual PC (EAPC)	1.4★	0.2	4.1★	1.5★	0.1	4.3★	1.5★	0.7★	4.3★
Under 65									
Percent Change (PC)	4.2	-16.1	58.2	4.8	-17.8	62.0	7.6	-7.9	71.7
Est. Annual PC (EAPC)	0.3	-0.8★	2.3★	0.3	-0.9★	2.4★	0.6	-0.2	2.9★
65 and over									
Percent Change (PC)	58.9	18.2	220.5	61.4	16.7	237.5	52.8	28.6	215.3
Est. Annual PC (EAPC)	2.4★	0.8★	6.1★	2.5★	0.8★	6.4★	2.6★	1.7★	6.5★
<u>1975-79 - ALL AGES</u>									
Percent Change (PC)	8.6	5.1	19.0	8.5	4.9	19.0	9.4	6.1	23.5
Est. Annual PC (EAPC)	2.9★	1.7★	6.2★	2.8★	1.6★	6.1★	3.3	2.2	8.2
<u>1990-94 - ALL AGES</u>									
Percent Change (PC)	-4.0	-6.8	-0.1	-4.0	-7.2	0.1	-5.6	-7.7	-2.6
Est. Annual PC (EAPC)	-1.3◆	-2.4◆	0.2◆	-1.3◆	-2.5★◆	0.2◆	-1.4◆	-2.3◇	-0.3◆
<u>MORTALITY TRENDS (expressed in percents)*:</u>									
<u>1973-94</u>									
All Ages									
Percent Change (PC)	40.8	13.4	143.7	41.6	12.2	147.8	45.2	31.4	135.7
Est. Annual PC (EAPC)	1.8★	0.7★	4.6★	1.8★	0.6★	4.7★	2.0★	1.5★	4.6★
Under 65									
Percent Change (PC)	8.6	-10.6	68.3	9.9	-10.9	71.7	7.4	-4.9	65.2
Est. Annual PC (EAPC)	0.5★	-0.5★	2.7★	0.6★	-0.5★	2.7★	0.5★	-0.2	2.8★
65 and over									
Percent Change (PC)	72.8	32.8	249.3	71.7	29.7	252.5	100.5	79.1	263.1
Est. Annual PC (EAPC)	2.8★	1.4★	6.6★	2.8★	1.3★	6.6★	3.7★	3.1★	6.8★
<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>1990-94 - ALL AGES</u>									
Percent Change (PC)	-0.5	-4.2	5.4	-0.1	-4.0	5.9	-2.6	-4.7	2.8
Est. Annual PC (EAPC)	-0.2◆	-1.4★◆	1.7★◆	-0.1◆	-1.4★◆	1.9★◆	-0.9★◆	-1.7★◆	1.0◆

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 1990-94 is significantly different from the EAPC for 1975-79 (p<.05).

◇ The EAPC for 1990-94 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>1973-94</u>									
All Ages									
Percent Change (PC)	62.4	22.0	163.3	68.0	22.7	178.0	44.4	16.1	147.5
Est. Annual PC (EAPC)	2.6★	1.1★	5.1★	2.7★	1.1★	5.3★	2.3★	1.3★	4.7★
Under 65									
Percent Change (PC)	19.2	-6.8	73.5	23.8	-6.0	85.3	13.9	-7.2	66.4
Est. Annual PC (EAPC)	1.0★	-0.2	2.9★	1.2★	-0.2	3.2★	1.0	0.1	2.7★
65 and over									
Percent Change (PC)	124.4	53.1	370.7	131.2	53.5	388.6	92.2	43.5	459.6
Est. Annual PC (EAPC)	4.2★	2.1★	8.1★	4.3★	2.2★	8.4★	3.9★	2.5★	8.2★
<u>1975-79 - ALL AGES</u>									
Percent Change (PC)	26.3	22.2	35.2	27.4	22.6	37.8	12.0	23.0	-9.5
Est. Annual PC (EAPC)	7.6★	6.6★	9.9★	7.8★	6.6★	10.3★	5.3	7.5	0.3
<u>1990-94 - ALL AGES</u>									
Percent Change (PC)	-11.0	-14.6	-7.0	-10.9	-15.5	-6.1	-10.6	-9.8	-11.9
Est. Annual PC (EAPC)	-3.3♦	-4.9★♦	-1.6♦	-3.4♦	-5.3★♦	-1.4♦	-1.7	-2.3	-0.7
<u>INCIDENCE TRENDS FOR NON-SMALL CELL (expressed in percents)§:</u>									
<u>1973-94</u>									
All Ages									
Percent Change (PC)	27.0	0.6	114.7	28.2	-0.9	122.0	25.1	8.4	117.1
Est. Annual PC (EAPC)	1.2★	0.0	3.9★	1.3★	0.0	4.0★	1.4★	0.7★	4.3★
Under 65									
Percent Change (PC)	1.7	-17.5	55.1	1.5	-19.7	57.1	6.8	-8.0	72.6
Est. Annual PC (EAPC)	0.1	-0.9★	2.1★	0.1	-1.0★	2.2★	0.5	-0.3	2.9★
65 and over									
Percent Change (PC)	51.4	14.4	201.3	53.3	12.7	217.0	48.8	27.0	195.7
Est. Annual PC (EAPC)	2.2★	0.7★	5.8★	2.2★	0.6★	6.0★	2.5★	1.6★	6.3★
<u>1975-79 - ALL AGES</u>									
Percent Change (PC)	5.9	2.7	16.0	5.5	2.3	15.5	9.1	4.4	30.0
Est. Annual PC (EAPC)	2.1★	1.0	5.5★	1.9★	0.8	5.3★	3.1★	1.7	9.5★
<u>1990-94 - ALL AGES</u>									
Percent Change (PC)	-2.6	-5.5	1.4	-2.6	-5.7	1.6	-4.9	-7.4	-1.0
Est. Annual PC (EAPC)	-0.9♦	-2.0♦	0.6♦	-0.9♦	-2.1★♦	0.6♦	-1.4♦	-2.3	-0.2♦

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 1990-94 is significantly different from the EAPC for 1975-79 ($p < .05$).

◇ The EAPC for 1990-94 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	74.1	19.8	58.9	102.0	21.7
1975	45.3	76.2	21.5	45.1	75.9	21.8	56.6	101.2	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	113.3	27.1
1979	50.9	81.5	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	30.8	53.4	83.3	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	82.8	140.6	39.7
1985	56.2	83.9	35.3	55.6	82.1	35.9	79.0	131.3	40.2
1986	56.9	83.6	37.0	56.3	81.9	37.6	81.4	134.1	43.2
1987	58.5	85.2	38.6	58.6	84.3	39.8	74.4	124.1	38.3
1988	58.7	83.3	40.4	58.8	82.2	41.7	77.8	125.7	42.9
1989	58.0	82.1	40.0	57.9	81.0	41.0	78.0	123.0	45.4
1990	58.6	81.6	41.5	58.7	80.7	42.5	76.7	118.7	47.0
1991	59.5	81.8	43.1	59.2	80.1	44.0	81.9	126.0	49.8
1992	59.6	81.7	43.1	59.0	79.2	44.2	82.2	128.4	48.8
1993	57.6	78.3	42.1	57.4	76.5	43.3	75.2	115.2	46.3
1994	55.9	73.9	42.4	55.7	72.6	43.3	74.4	110.6	48.0
<u>AGE-ADJUSTED RATES, 1990-94</u>									
<u>AGE AT DIAGNOSIS:</u>									
All ages	58.2	79.4	42.4	58.0	77.8	43.5	78.0	119.6	48.0
Under 65	26.7	32.7	21.2	26.1	30.9	21.5	42.0	60.5	26.8
65 and over	345.9	505.3	236.8	349.1	505.5	243.5	407.1	658.9	241.5
All ages (world std.) ⁸	45.9	61.4	33.9	45.6	59.9	34.7	63.5	95.8	39.5
<u>AGE-SPECIFIC RATES, 1990-94</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	0.1	0.1	0.1	0.0	0.2
20-24	0.3	0.3	0.3	0.3	0.2	0.5	0.4	0.9	0.0
25-29	0.6	0.6	0.6	0.6	0.5	0.6	1.1	1.2	0.9
30-34	1.9	2.1	1.7	1.7	2.0	1.4	3.6	3.8	3.4
35-39	5.1	6.0	4.3	4.4	5.0	3.8	11.0	14.5	8.0
40-44	13.0	15.0	11.1	11.6	12.7	10.5	27.8	38.3	18.7
45-49	34.5	39.5	29.6	32.2	35.2	29.1	64.8	86.1	46.2
50-54	77.7	90.5	65.3	73.9	82.2	65.7	136.9	196.4	86.1
55-59	141.0	170.7	113.3	138.2	160.9	116.4	216.7	320.0	133.4
60-64	226.7	292.7	167.6	228.1	287.2	173.9	313.7	461.4	196.8
65-69	321.5	434.7	227.9	324.0	430.9	234.6	415.5	613.1	264.7
70-74	375.2	523.0	261.7	377.1	515.5	270.8	481.0	781.7	272.7
75-79	391.1	579.2	264.0	400.1	589.6	273.2	380.3	648.7	215.3
80-84	349.3	580.5	221.2	352.9	590.1	225.2	368.9	679.2	205.1
85+	233.4	467.2	142.6	229.6	473.5	138.7	227.6	424.1	143.3

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-4
 SMALL CELL LUNG AND BRONCHUS CANCER (Invasive)
 SEER INCIDENCE RATES, AGE-ADJUSTED AND AGE-SPECIFIC RATES^s, 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	3.0	5.1	8.2	2.5
1975	6.0	9.1	3.5	6.2	9.5	3.7	5.4	8.1	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	7.9
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	12.1	5.8
1991	10.0	12.2	8.4	10.4	12.5	8.9	11.0	13.9	9.0
1992	9.3	11.6	7.5	9.7	12.0	8.0	8.9	11.6	7.0
1993	8.8	10.7	7.4	9.2	10.9	7.9	8.6	11.7	6.4
1994	8.5	9.9	7.4	8.9	10.1	8.0	8.8	11.8	6.7
<u>AGE-ADJUSTED RATES, 1990-94</u>									
<u>AGE AT DIAGNOSIS:</u>									
All ages	9.2	11.2	7.7	9.6	11.6	8.2	9.2	12.2	7.0
Under 65	4.5	5.1	4.0	4.7	5.1	4.3	4.8	6.2	3.7
65 and over	52.1	67.5	41.4	54.5	70.2	43.8	48.6	66.9	36.7
All ages (world std.) ⁸	7.4	8.9	6.2	7.7	9.1	6.6	7.4	9.8	5.7
<u>AGE-SPECIFIC RATES, 1990-94</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	0.0	0.0	0.0	0.0
30-34	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.5	0.1
35-39	0.6	0.8	0.3	0.5	0.7	0.3	1.3	2.0	0.6
40-44	1.8	1.9	1.6	1.9	2.0	1.8	1.8	2.4	1.3
45-49	5.2	6.1	4.3	5.5	6.2	4.8	5.1	6.3	4.1
50-54	13.3	14.8	11.9	13.7	14.8	12.7	15.5	20.8	10.9
55-59	25.2	28.0	22.6	26.4	28.2	24.6	25.3	33.9	18.3
60-64	38.5	43.8	33.7	40.5	44.9	36.4	41.8	50.6	34.9
65-69	54.7	67.0	44.6	57.8	70.1	47.5	53.1	66.2	43.0
70-74	58.0	72.7	46.8	60.5	74.6	49.7	54.9	79.1	38.2
75-79	58.9	75.7	47.6	61.4	78.7	49.9	51.5	65.6	42.9
80-84	41.7	63.4	29.7	43.2	66.1	30.8	40.5	69.3	25.3
85+	16.9	37.2	9.0	17.1	38.9	9.0	10.1	26.3	3.2

^s 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	57.7	100.5	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	73.1	126.6	33.3
1985	46.8	70.8	28.9	45.9	68.7	29.2	69.1	115.6	34.5
1986	47.0	70.1	29.9	46.1	68.0	30.3	70.1	118.1	35.3
1987	49.0	73.0	31.1	48.7	71.7	31.7	65.7	111.3	32.6
1988	48.6	70.0	32.7	48.2	68.6	33.3	68.2	109.9	37.9
1989	48.0	69.3	32.2	47.6	67.9	32.7	67.4	108.3	37.7
1990	49.2	69.7	34.0	48.8	68.3	34.4	68.2	106.5	41.2
1991	49.5	69.6	34.7	48.8	67.6	35.2	70.9	112.1	40.8
1992	50.3	70.1	35.6	49.2	67.2	36.1	73.3	116.8	41.9
1993	48.8	67.6	34.7	48.2	65.6	35.4	66.6	103.5	39.9
1994	47.4	64.0	35.0	46.9	62.5	35.3	65.6	98.9	41.3
<u>AGE-ADJUSTED RATES, 1990-94</u>									
<u>AGE AT DIAGNOSIS:</u>									
All ages	49.0	68.2	34.8	48.4	66.2	35.3	68.9	107.4	41.1
Under 65	22.2	27.7	17.2	21.4	25.8	17.2	37.1	54.3	23.1
65 and over	293.8	437.8	195.4	294.6	435.3	199.8	358.5	592.0	204.8
All ages (world std.) ⁸	38.6	52.6	27.7	37.9	50.8	28.1	56.1	86.0	33.8
<u>AGE-SPECIFIC RATES, 1990-94</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	0.1	0.1	0.1	0.0	0.2
20-24	0.3	0.3	0.3	0.3	0.2	0.5	0.4	0.9	0.0
25-29	0.6	0.6	0.6	0.5	0.5	0.6	1.1	1.2	0.9
30-34	1.8	2.0	1.5	1.6	1.9	1.3	3.3	3.3	3.3
35-39	4.6	5.2	3.9	3.9	4.3	3.5	9.7	12.4	7.4
40-44	11.2	13.1	9.5	9.7	10.7	8.7	26.0	35.9	17.4
45-49	29.3	33.4	25.3	26.7	29.0	24.3	59.7	79.9	42.1
50-54	64.4	75.7	53.4	60.2	67.4	53.0	121.5	175.5	75.2
55-59	115.8	142.7	90.7	111.8	132.7	91.8	191.5	286.1	115.2
60-64	188.2	248.9	133.9	187.7	242.3	137.5	271.8	410.8	161.9
65-69	266.8	367.7	183.4	266.2	360.8	187.2	362.4	546.9	221.6
70-74	317.2	450.4	215.0	316.6	440.9	221.1	426.0	702.6	234.4
75-79	332.2	503.5	216.4	338.7	510.9	223.3	328.8	583.1	172.4
80-84	307.6	517.1	191.5	309.7	524.0	194.3	328.4	610.0	179.8
85+	216.5	429.9	133.7	212.4	434.6	129.6	217.5	397.9	140.1

⁸ 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-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	50.0	74.5	32.2	49.5	72.5	32.6	61.7	104.8	32.0
1992	50.0	72.9	33.1	49.4	71.0	33.5	61.6	102.5	33.4
1993	50.1	72.6	33.5	49.7	70.7	34.1	60.9	102.6	32.4
1994	49.6	70.9	33.8	49.2	69.2	34.4	60.1	99.4	33.2
<u>AGE-ADJUSTED RATES, 1990-94</u>									
<u>AGE AT DEATH:</u>									
All ages	49.9	73.2	32.8	49.4	71.3	33.3	61.3	103.2	32.6
Under 65	21.9	29.2	15.3	21.4	27.8	15.4	31.1	48.8	17.2
65 and over	305.5	474.2	192.8	305.8	468.6	196.8	337.2	599.5	173.2
All ages (world std.)N	39.0	56.0	25.9	38.5	54.4	26.2	49.1	81.2	26.3
<u>AGE-SPECIFIC RATES, 1990-94</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	0.0	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	0.3	0.2	0.2	0.2	0.2	0.3	0.4	0.3
30-34	1.0	1.2	0.9	0.9	1.0	0.8	1.8	2.4	1.2
35-39	3.5	4.1	2.9	3.2	3.7	2.7	6.1	8.3	4.2
40-44	9.7	12.1	7.5	8.9	10.7	7.2	17.7	25.9	10.7
45-49	27.3	33.9	20.9	25.7	30.7	20.7	47.0	71.2	26.8
50-54	61.7	79.4	45.0	59.2	73.8	45.2	96.1	148.6	53.1
55-59	117.6	156.8	81.7	114.7	148.9	82.6	166.3	263.3	90.0
60-64	192.1	265.8	127.2	190.4	258.3	129.5	243.0	390.3	131.7
65-69	266.6	382.5	172.2	265.8	374.8	175.9	315.9	521.2	165.6
70-74	323.4	475.9	208.0	323.1	467.9	212.4	371.4	642.3	190.3
75-79	350.5	548.5	219.4	353.0	545.3	224.8	353.2	649.5	178.0
80-84	338.5	594.2	200.1	339.8	591.3	204.0	344.1	696.0	163.2
85+	257.3	522.8	155.3	257.0	524.3	155.7	261.6	534.1	149.2

* 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
<u>5-YR RELATIVE SURVIVAL RATES</u>									
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	15.7	12.4	11.1	15.9	11.4	11.0	13.1
1977-79 ^b	13.4	11.8	17.2	13.6	12.1	17.3	10.9	9.0	16.9
1980-82 ^b	13.4	12.1	16.1	13.5	12.2	16.2	12.2	11.0	15.4
1983-85 ^b	13.7	12.0	17.0	14.0	12.2	17.2	11.5	10.4	14.2
1986-93 ^b	13.8S	12.5S	15.7S	14.1S	12.7S	16.1S	11.1	10.5	12.2
1986-93 ^b									
ALL STAGES	13.8	12.5	15.7	14.1	12.7	16.1	11.1	10.5	12.2
LOCALIZED	48.5	45.2	53.2	49.3	45.9	53.7	42.4	40.8	45.6
REGIONAL	18.2	16.8	20.4	18.6	17.4	20.6	14.3	12.6	17.6
DISTANT	1.9	1.5	2.4	1.9	1.4	2.5	1.8	1.9	1.6
UNSTAGED	7.5	6.9	8.5	7.4	6.6	8.5	8.9	9.3	7.1
<u>STAGE DISTRIBUTION (%) 1986-93^b</u>									
ALL STAGES									
Number of cases	96,259	59,764	36,495	81,956	50,130	31,826	10,237	6,910	3,327
Percent	100%	100%	100%	100%	100%	100%	100%	100%	100%
LOCALIZED	15	14	16	15	15	16	13	13	13
REGIONAL	25	26	24	25	26	24	26	25	26
DISTANT	45	45	45	45	45	44	49	49	48
UNSTAGED	15	15	15	15	15	15	13	13	13
<u>5-YR RELATIVE SURVIVAL RATES, 1986-93^b</u>									
AGE AT DIAGNOSIS:									
<45	21.7	17.9	26.9	23.1	19.0	28.5	15.1	12.8	19.2
45-54	16.6	14.8	19.3	17.6	15.7	20.2	11.4	10.2	14.0
55-64	14.9	13.7	17.0	15.2	13.9	17.2	13.1	12.0	15.4
65-74	13.3	12.1	15.1	13.7	12.3	15.7	10.0	10.6	8.7
75+	9.1	8.2	10.5	9.5	8.5	10.8	5.7	5.4	6.4
Under 65	15.9	14.3	18.4	16.4	14.7	18.9	12.7	11.4	15.4
65 and over	12.0	10.9	13.5	12.3	11.1	14.0	8.9	9.3	8.1

^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 1994.

S

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The difference in rates between 1974-76 and 1986-93 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
<u>5-YR RELATIVE SURVIVAL RATES</u>									
YEAR OF DIAGNOSIS:									
1974-76 ^b	3.5	2.9	5.0	3.5	2.9	4.9	3.4	3.6	3.0
1977-79 ^b	4.5	3.3	6.9	4.5	3.3	6.9	3.8	3.4	4.8
1980-82 ^b	4.7	3.8	6.2	4.8	4.1	6.2	3.8	2.7	6.4
1983-85 ^b	4.8	3.6	6.8	4.9	3.8	6.7	4.7	2.5	8.6
1986-93 ^b	5.6S	4.6S	6.9S	5.8S	4.6S	7.2S	4.4S	4.3S	4.3
1986-93 ^b									
ALL STAGES	5.6	4.6	6.9	5.8	4.6	7.2	4.4	4.3	4.3
LOCALIZED	19.4	17.9	21.2	19.4	17.6	21.4	17.1 [†]	18.0 [†]	16.1 [†]
REGIONAL	10.3	9.2	11.5	10.9	9.8	12.0	6.3	4.6	8.3
DISTANT	1.9	1.5	2.5	2.0	1.4	2.7	1.8	2.8	0.5
UNSTAGED	8.1	6.1	10.4	8.5	6.3	10.7	6.9	5.0	11.4 [†]
<u>STAGE DISTRIBUTION (%) 1986-93^b</u>									
ALL STAGES									
Number of cases	16,282	9,311	6,971	14,478	8,174	6,304	1,289	783	506
Percent	100%	100%	100%	100%	100%	100%	100%	100%	100%
LOCALIZED	7	7	7	7	7	7	6	6	8
REGIONAL	20	19	21	20	18	21	22	21	25
DISTANT	60	62	57	60	62	57	60	61	60
UNSTAGED	13	13	14	14	13	15	11	13	8
<u>5-YR RELATIVE SURVIVAL RATES, 1986-93^b</u>									
AGE AT DIAGNOSIS:									
<45	8.3	9.7	5.5	8.9	9.8	6.8	0.0	0.0	-
45-54	7.4	5.8	9.7	7.6	5.9	9.9	4.8	2.4	9.0
55-64	6.7	5.0	8.9	6.8	4.6	9.4	6.8	7.4	5.3
65-74	4.9	4.1	5.8	5.2	4.4	6.0	2.2	2.3	2.0
75+	3.3	3.0	3.5	3.4	3.1	3.5	3.2	0.0	5.2
Under 65	7.0	5.4	9.0	7.1	5.2	9.4	5.9	5.8	5.8
65 and over	4.4	3.8	5.2	4.7	4.1	5.3	2.4	2.3	2.6

^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 1994.

S The difference in rates between 1974-76 and 1986-93 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	17.7	13.9	12.4	18.0	12.4	11.7	15.1
1977-79 ^b	15.1	13.3	19.4	15.4	13.7	19.6	11.9	9.6	19.1
1980-82 ^b	15.1	13.6	18.4	15.4	13.8	18.6	13.3	12.1	16.9
1983-85 ^b	15.6	13.6	19.5	16.0	13.9	19.9	12.4	11.4	15.2
1986-93 ^b	15.5S	14.0S	17.9S	16.0S	14.4S	18.4S	12.1	11.3	13.7
1986-93 ^b									
ALL STAGES	15.5	14.0	17.9	16.0	14.4	18.4	12.1	11.3	13.7
LOCALIZED	51.0	47.4	56.3	51.9	48.2	56.8	44.0	41.9	48.5
REGIONAL	19.4	17.8	22.2	20.0	18.4	22.5	15.3	13.4	19.2
DISTANT	1.8	1.5	2.3	1.8	1.4	2.4	1.8	1.8	1.8
UNSTAGED	7.5	7.1	8.1	7.3	6.7	8.0	9.2	9.9	7.0
<u>STAGE DISTRIBUTION (%) 1986-93^b</u>									
ALL STAGES									
Number of cases	79,977	50,453	29,524	67,478	41,956	25,522	8,948	6,127	2,821
Percent	100%	100%	100%	100%	100%	100%	100%	100%	100%
LOCALIZED	16	16	18	17	16	18	14	14	14
REGIONAL	26	27	25	26	27	25	26	26	26
DISTANT	42	42	42	42	42	41	47	47	46
UNSTAGED	15	15	15	15	15	16	13	13	14
<u>5-YR RELATIVE SURVIVAL RATES, 1986-93^b</u>									
AGE AT DIAGNOSIS:									
<45	23.6	19.2	29.4	25.3	20.6	31.2	16.4	13.6	21.3
45-54	18.5	16.7	21.3	19.9	17.9	22.6	12.2	11.0	14.7
55-64	16.8	15.5	19.3	17.3	16.0	19.6	14.1	12.6	17.5
65-74	15.1	13.7	17.6	15.6	13.9	18.3	11.3	11.7	10.2
75+	10.1	9.0	11.8	10.5	9.3	12.2	5.9	5.7	6.4
Under 65	17.8	16.0	20.8	18.6	16.8	21.4	13.7	12.1	17.1
65 and over	13.5	12.2	15.5	13.9	12.5	16.1	9.9	10.2	9.2

^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 1994.

S The difference in rates between 1974-76 and 1986-93 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																					
	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Incidence																						
SEER	42.4	43.9	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	59.5	59.6	57.6	55.9
Mortality																						
U.S.	34.8	36.0	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	50.0	50.0	50.1	49.6
SEER	34.3	34.7	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
Relative Survival Rates (SEER)																						
1-year	31.5	34.3	34.1	36.1	37.0	38.5	37.4	38.2	37.7	39.1	39.6	39.0	39.7	40.5	39.9	40.4	40.6	40.6	41.3	41.0	40.3	
2-year	18.2	20.2	20.3	21.4	21.9	22.6	22.1	22.2	22.2	22.9	23.5	22.5	23.1	23.4	23.0	23.5	23.7	23.8	24.0	24.4		
3-year	13.6	15.5	15.4	16.8	16.7	17.4	17.1	17.0	16.9	17.9	18.1	17.5	17.9	17.9	17.2	17.8	17.8	18.2	18.7			
4-year	12.2	13.3	13.3	14.5	14.4	15.0	14.8	14.4	14.7	15.6	15.6	14.8	15.3	15.0	15.0	15.3	15.4	15.4				
5-year	10.9	12.1	12.0	13.0	13.1	13.6	13.5	12.9	13.2	13.9	14.2	13.2	13.8	13.4	13.5	13.6	14.1					
6-year	10.2	11.2	10.9	12.0	12.4	12.5	12.5	12.0	12.1	12.6	13.1	12.2	12.9	12.4	12.4	12.3						
7-year	9.5	10.7	10.3	11.5	11.6	11.7	11.9	11.2	11.1	12.0	12.1	11.3	11.9	11.6	11.3							
8-year	9.1	10.3	10.1	10.7	11.0	11.1	11.1	10.4	10.4	11.2	11.4	10.5	11.1	10.8								
9-year	8.7	9.7	9.8	10.2	10.5	10.5	10.4	9.8	9.7	10.6	10.6	9.8	10.5									
10-year	8.1	9.1	9.3	9.7	9.9	10.0	9.7	9.0	9.2	10.1	10.0	9.4										
11-year	7.7	9.0	9.1	9.1	9.5	9.6	9.3	8.5	8.9	9.7	9.6											
12-year	7.5	8.8	8.8	8.7	9.0	9.2	9.0	8.1	8.6	9.1												
13-year	7.1	8.5	8.4	8.3	8.7	9.0	8.6	7.6	8.1													
14-year	6.8	8.3	8.2	7.9	8.5	8.5	8.4	7.2														
15-year	6.4	7.9	7.9	7.5	8.1	8.1	7.8															
16-year	6.4	7.9	7.7	7.4	7.8	8.1																
17-year	6.4	7.6	7.2	7.2	7.7																	
18-year	6.0	7.6	7.0	6.9																		
19-year	5.5	7.6	7.0																			
20-year	5.3	7.3																				
21-year	5.1																					

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-11
LUNG AND BRONCHUS CANCER (Invasive)
INCIDENCE, MORTALITY, AND SURVIVAL RATES

By Year of Diagnosis/Death

All Races, Males

	Year of Diagnosis/Death																					
	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Incidence																						
SEER	73.2	74.5	76.2	79.4	80.7	82.0	81.5	84.4	84.5	85.1	84.1	86.5	83.9	83.6	85.2	83.3	82.1	81.6	81.8	81.7	78.3	73.9
Mortality																						
U.S.	62.4	64.1	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	72.6	70.9
SEER	61.4	60.4	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	64.5	63.2	62.1	61.6
Relative Survival Rates (SEER)																						
1-year	29.5	32.7	32.9	34.1	35.1	36.2	35.2	36.6	35.7	37.2	37.6	37.2	37.1	38.5	38.5	38.4	38.3	38.3	39.1	39.2	38.0	
2-year	16.7	18.9	19.1	19.8	20.4	20.7	20.4	20.9	20.3	21.2	21.4	20.9	21.2	21.3	22.0	22.1	22.3	21.6	22.0	23.2		
3-year	12.2	14.1	14.2	15.3	15.4	15.5	15.4	15.9	15.0	16.3	16.0	15.7	15.9	16.3	16.1	16.7	16.5	16.3	17.1			
4-year	11.0	12.0	12.2	13.2	12.9	13.1	13.3	13.5	13.0	13.9	13.7	13.1	13.2	13.4	14.0	13.9	14.2	13.7				
5-year	9.6	10.7	10.8	11.8	11.9	11.6	11.9	12.1	11.7	12.4	12.5	11.5	11.9	11.9	12.6	12.3	13.0					
6-year	8.9	9.8	9.7	10.7	11.3	10.6	11.0	11.3	10.7	11.2	11.4	10.6	11.0	11.0	11.6	11.0						
7-year	8.2	9.2	9.2	10.2	10.6	9.9	10.5	10.5	9.8	10.5	10.6	9.7	10.2	10.3	10.7							
8-year	7.8	8.9	9.0	9.5	10.1	9.4	9.7	9.6	8.9	9.8	9.9	8.9	9.5	9.4								
9-year	7.3	8.3	8.8	9.0	9.5	8.8	9.2	9.0	8.4	9.3	9.0	8.4	9.0									
10-year	6.7	7.8	8.4	8.6	8.9	8.2	8.7	8.3	7.9	8.7	8.5	8.0										
11-year	6.3	7.8	8.1	8.1	8.4	7.9	8.2	7.9	7.7	8.5	8.1											
12-year	6.1	7.7	7.8	7.8	7.8	7.6	7.9	7.3	7.4	8.1												
13-year	5.5	7.4	7.4	7.3	7.6	7.3	7.5	7.1	6.8													
14-year	5.2	7.0	7.2	7.0	7.4	6.9	7.5	6.8														
15-year	4.7	6.5	6.8	6.5	7.1	6.3	7.0															
16-year	4.7	6.5	6.7	6.3	6.7	6.3																
17-year	4.7	6.2	6.4	6.2	6.7																	
18-year	4.4	6.1	6.0	5.9																		
19-year	4.0	6.0	6.0																			
20-year	3.7	5.7																				
21-year	3.5																					

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																					
	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Incidence																						
SEER	18.2	19.9	21.5	23.8	24.7	26.2	27.8	28.1	30.8	32.3	33.3	34.6	35.3	37.0	38.6	40.4	40.0	41.5	43.1	43.1	42.1	42.4
Mortality																						
U.S.	13.3	14.3	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
SEER	13.1	14.8	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	31.4	31.8
Relative Survival Rates (SEER)																						
1-year	38.3	39.4	37.4	41.4	41.9	44.4	42.7	42.2	42.2	43.2	43.6	42.6	44.8	44.0	42.5	43.6	44.3	44.1	44.8	43.8	43.7	
2-year	23.1	24.0	23.7	25.6	25.9	27.4	26.2	25.1	26.1	26.5	27.9	25.7	26.8	27.0	24.7	25.7	25.8	27.2	26.9	26.3		
3-year	17.9	19.5	18.9	20.8	20.1	22.1	21.0	19.5	20.8	21.2	22.4	20.9	21.6	20.6	19.1	19.6	19.8	21.1	21.2			
4-year	16.0	17.1	16.5	17.9	18.1	19.6	18.3	16.5	18.1	18.8	19.1	18.0	19.2	17.9	16.7	17.4	17.3	18.0				
5-year	14.8	16.0	15.0	16.1	16.0	18.3	17.1	14.8	16.4	16.9	17.4	16.3	17.3	15.9	14.9	15.6	15.7					
6-year	13.9	15.4	14.1	15.3	14.9	16.7	15.7	13.7	15.0	15.1	16.2	15.0	16.2	14.7	13.6	14.3						
7-year	13.3	14.7	13.2	14.5	14.2	15.7	14.9	12.7	13.8	14.8	14.8	14.2	14.8	13.8	12.2							
8-year	12.7	14.2	12.8	13.7	13.1	14.9	14.0	12.0	13.1	13.7	14.0	13.3	14.0	12.9								
9-year	12.5	13.3	12.2	12.9	12.7	14.3	13.0	11.5	12.2	12.9	13.2	12.1	13.1									
10-year	11.8	12.6	11.5	12.1	12.2	13.8	11.7	10.4	11.5	12.3	12.5	11.6										
11-year	11.4	11.9	11.4	11.2	11.9	13.1	11.5	9.7	11.2	11.8	12.0											
12-year	10.9	11.3	11.3	10.6	11.7	12.5	11.0	9.5	10.8	10.7												
13-year	10.8	11.3	10.9	10.4	11.1	12.4	10.7	8.6	10.2													
14-year	10.7	11.3	10.5	9.7	10.8	11.5	10.0	7.8														
15-year	10.4	11.1	10.3	9.6	9.9	11.4	9.1															
16-year	10.2	10.9	9.7	9.6	9.9	11.0																
17-year	10.1	10.7	8.8	9.2	9.4																	
18-year	9.7	10.7	8.8	8.9																		
19-year	8.6	10.7	8.6																			
20-year	8.5	10.5																				
21-year	8.3																					

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 22-YEAR TRENDS, 1973-94

By Race, Sex and Age Group

Sex/Age	All Races				Whites				Blacks			
	Average 1973-74	Rate [⊕] 93-94	% Change 73-94	EAPC 73-94	Average 1973-74	Rate [⊕] 93-94	% Change 73-94	EAPC 73-94	Average 1973-74	Rate [⊕] 93-94	% Change 73-94	EAPC 73-94
Males & Females	43.2	56.7	31.4	1.4★	42.5	56.6	33.2	1.5★	58.9	74.8	27.1	1.5★
0-54:	10.5	8.7	-17.0	-1.0★	9.9	8.1	-18.4	-1.1★	18.2	16.0	-11.9	-0.7★
0-14	0.0	0.0	-81.4	-	0.0	0.0	-71.8	-	0.1	0.0	-	-
15-34	0.7	0.7	-3.5	-0.1	0.6	0.6	-5.5	-0.2	0.8	1.0	19.3	2.4
35-44	13.8	8.9	-35.2	-2.5★	13.0	8.0	-38.9	-2.8★	21.3	18.6	-12.6	-1.5★
45-54	58.6	51.0	-13.1	-0.8★	55.7	47.9	-13.9	-0.8★	105.1	92.3	-12.1	-0.5
55-64	145.2	171.1	17.8	1.0★	143.1	170.4	19.0	1.0★	204.9	251.7	22.8	1.4★
65+:	217.0	344.8	58.9	2.4★	216.1	348.7	61.4	2.5★	257.3	393.2	52.8	2.6★
65-74	227.1	341.2	50.3	2.2★	226.8	344.7	52.0	2.2★	283.3	428.0	51.1	2.5★
75+	200.6	350.7	74.8	2.9★	198.7	355.3	78.8	3.0★	215.0	336.5	56.5	2.8★
Males	73.9	76.1	3.0	0.2	73.2	74.6	1.8	0.1	103.4	112.9	9.2	0.7★
0-54:	14.6	10.0	-31.5	-2.0★	13.7	8.9	-34.7	-2.2★	27.9	21.5	-23.2	-1.3★
0-14	0.0	0.0	-27.6	-	0.0	0.0	-19.4	-	0.0	0.0	-	-
15-34	0.8	0.7	-10.5	-0.2	0.7	0.6	-10.2	-0.1	1.5	1.1	-24.2	0.0
35-44	17.3	10.2	-40.9	-2.8★	16.1	8.7	-46.0	-3.1★	30.0	24.3	-18.9	-1.9★
45-54	84.1	58.8	-30.1	-1.9★	79.2	53.1	-33.0	-2.1★	164.1	124.9	-23.9	-1.1★
55-64	227.9	211.2	-7.3	-0.2	224.0	204.6	-8.7	-0.3	353.1	362.6	2.7	0.5
65+:	417.2	493.2	18.2	0.8★	422.0	492.5	16.7	0.8★	491.1	631.4	28.6	1.7★
65-74	415.0	462.2	11.4	0.6★	420.4	456.0	8.4	0.4★	529.8	670.3	26.5	1.4★
75+	420.7	543.7	29.2	1.2★	424.5	552.0	30.1	1.3★	428.1	568.1	32.7	2.2★
Females	19.0	42.3	121.8	4.1★	18.8	43.3	130.5	4.3★	21.3	47.1	120.9	4.3★
0-54:	6.6	7.4	13.3	0.4	6.3	7.3	15.0	0.5	9.3	11.3	20.9	0.6
0-14	0.1	0.0	-	-	0.1	0.0	-	-	0.2	0.0	-	-
15-34	0.6	0.6	5.2	0.0	0.6	0.6	-0.3	-0.3	0.2	0.8	309.3	-
35-44	10.4	7.7	-26.1	-2.2★	10.0	7.2	-27.7	-2.4★	13.7	13.7	-0.1	-0.8
45-54	34.5	43.5	26.0	1.1★	33.3	42.9	28.8	1.2★	51.5	64.4	24.9	0.9★
55-64	68.5	134.5	96.2	3.5★	69.1	138.3	100.2	3.6★	70.7	163.3	131.0	4.9★
65+:	75.6	242.4	220.5	6.1★	74.3	250.7	237.5	6.4★	74.1	233.5	215.3	6.5★
65-74	79.8	244.3	206.2	5.9★	79.2	254.9	221.6	6.0★	72.6	250.8	245.4	7.0★
75+	68.8	239.2	247.5	6.7★	66.2	244.0	268.4	7.0★	76.4	205.3	168.6	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 22-YEAR TRENDS, 1973-94

By Race, Sex and Age Group

Sex/Age	All Races				Whites				Blacks			
	Average 1973-74	Rate $\oplus$ 93-94	% Change 73-94	EAPC 73-94	Average 1973-74	Rate $\oplus$ 93-94	% Change 73-94	EAPC 73-94	Average 1973-74	Rate $\oplus$ 93-94	% Change 73-94	EAPC 73-94
Males & Females	35.4	49.8	40.8	1.8*	34.9	49.4	41.6	1.8*	41.7	60.5	45.2	2.0*
0-54:	8.3	6.8	-18.0	-1.0*	7.8	6.5	-17.3	-1.0*	13.7	11.1	-18.6	-1.0*
0-14	0.0	0.0	-39.3	-2.0	0.0	0.0	-31.9	-1.2	0.0	0.0	-54.1	-
15-34	0.4	0.3	-28.2	-1.6*	0.4	0.2	-30.1	-1.8*	0.5	0.4	-13.1	-0.7
35-44	10.7	6.4	-39.8	-2.7*	10.0	5.9	-40.7	-2.8*	17.2	11.3	-34.7	-2.2*
45-54	47.3	41.2	-12.9	-0.7*	44.4	39.2	-11.7	-0.6*	78.5	66.6	-15.1	-0.8*
55-64	119.0	148.8	25.0	1.3*	116.9	147.3	26.0	1.3*	149.2	191.6	28.4	1.5*
65+:	179.9	310.9	72.8	2.8*	181.3	311.3	71.7	2.8*	171.6	344.0	100.5	3.7*
65-74	184.5	294.6	59.7	2.4*	185.4	294.4	58.8	2.4*	184.5	342.5	85.6	3.3*
75+	172.4	337.4	95.7	3.5*	174.4	338.7	94.2	3.4*	150.5	346.6	130.3	4.4*
Males	63.3	71.7	13.4	0.7*	62.4	70.0	12.2	0.6*	76.8	101.0	31.4	1.5*
0-54:	12.4	8.6	-31.2	-1.9*	11.5	7.8	-31.9	-1.9*	23.0	16.9	-26.5	-1.6*
0-14	0.0	0.0	-58.6	-	0.0	0.0	-46.6	-	0.0	0.0	-	-
15-34	0.5	0.3	-33.7	-2.2*	0.4	0.3	-34.9	-2.4*	0.8	0.5	-30.5	-1.4
35-44	15.0	7.9	-47.1	-3.3*	13.8	7.1	-48.9	-3.4*	27.2	16.3	-40.2	-2.7*
45-54	72.0	51.9	-27.9	-1.6*	66.5	47.7	-28.4	-1.6*	133.8	102.2	-23.7	-1.3*
55-64	198.8	200.3	0.8	0.2	193.4	193.7	0.2	0.2	273.0	303.8	11.3	0.7*
65+:	354.4	470.8	32.8	1.4*	358.2	464.8	29.7	1.3*	336.5	602.5	79.1	3.1*
65-74	350.5	419.4	19.7	0.9*	352.7	412.0	16.8	0.7*	355.8	568.5	59.8	2.5*
75+	360.8	554.5	53.7	2.2*	367.3	550.8	50.0	2.1*	305.0	658.0	115.7	4.1*
Females	13.8	33.6	143.7	4.6*	13.8	34.2	147.8	4.7*	13.9	32.8	135.7	4.6*
0-54:	4.5	5.2	15.6	0.7*	4.3	5.1	18.3	0.8*	5.8	6.4	9.2	0.5
0-14	0.0	0.0	-14.0	0.4	0.0	0.0	-13.2	-	0.0	0.0	98.4	-
15-34	0.3	0.2	-19.6	-0.7	0.3	0.2	-23.2	-0.9*	0.3	0.3	29.5	0.2
35-44	6.5	4.9	-24.0	-1.7*	6.3	4.8	-23.6	-1.7*	8.9	6.9	-22.5	-1.2*
45-54	24.4	31.0	27.2	1.2*	23.8	31.0	30.7	1.3*	31.7	37.3	17.5	0.9*
55-64	48.5	102.5	111.3	3.9*	49.0	104.6	113.6	3.9*	46.3	105.4	127.6	4.7*
65+:	58.2	203.1	249.3	6.6*	58.9	207.6	252.5	6.6*	50.2	182.4	263.1	6.8*
65-74	57.2	195.8	242.5	6.5*	57.8	200.3	246.2	6.5*	51.5	183.3	255.7	6.9*
75+	59.8	215.2	259.9	6.8*	60.6	219.5	262.4	6.9*	48.1	180.8	276.1	6.8*

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.

$\oplus$ 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, 1992-94

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	8.43	0.00	0.00	0.01	5.55
10	0.00	0.01	0.04	8.53	0.00	0.01	0.03	5.60
20	0.01	0.04	0.28	8.59	0.00	0.03	0.23	5.61
30	0.04	0.28	1.39	8.73	0.03	0.23	1.02	5.64
40	0.25	1.39	4.16	8.93	0.20	1.00	2.70	5.66
50	1.19	4.08	7.32	9.06	0.82	2.55	4.50	5.58
60	3.16	6.69	8.37	8.60	1.82	3.88	4.83	5.01

Lifetime Risk of Being Diagnosed = 8.43%
 Lifetime Risk of Dying = 7.06%

Lifetime Risk of Being Diagnosed = 5.55%
 Lifetime Risk of Dying = 4.41%

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	8.48	0.00	0.00	0.01	5.74
10	0.00	0.00	0.04	8.56	0.00	0.01	0.03	5.78
20	0.00	0.04	0.25	8.61	0.01	0.03	0.22	5.80
30	0.03	0.25	1.28	8.73	0.03	0.22	1.03	5.82
40	0.22	1.28	4.04	8.90	0.19	1.02	2.79	5.84
50	1.10	3.97	7.24	9.01	0.84	2.64	4.68	5.75
60	3.11	6.66	8.36	8.57	1.89	4.03	4.99	5.15

Lifetime Risk of Being Diagnosed = 8.48%
 Lifetime Risk of Dying = 7.14%

Lifetime Risk of Being Diagnosed = 5.74%
 Lifetime Risk of Dying = 4.60%

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	8.74	0.00	0.00	0.01	5.03
10	0.00	0.01	0.09	8.97	0.00	0.01	0.06	5.13
20	0.01	0.09	0.56	9.11	0.01	0.06	0.38	5.15
30	0.08	0.57	2.53	9.47	0.05	0.38	1.30	5.20
40	0.52	2.60	5.92	9.97	0.33	1.28	3.03	5.26
50	2.31	5.99	9.24	10.48	0.99	2.83	4.30	5.18
60	4.44	8.36	9.64	9.85	2.04	3.66	4.39	4.63

Lifetime Risk of Being Diagnosed = 8.74%
 Lifetime Risk of Dying = 7.48%

Lifetime Risk of Being Diagnosed = 5.03%
 Lifetime Risk of Dying = 3.79%

Table XV-16
LUNG AND BRONCHUS CANCER (Invasive)

AVERAGE ANNUAL AGE-ADJUSTED CANCER MORTALITY* RATES BY STATE, 1990-94

All Races, Males and Females

State	Rate	SE	Rank	PD
TOTAL U.S.	49.9	0.06		
High Five States				
Kentucky	67.7⊕*	0.57	(01)	35.7
Arkansas	61.8⊕*	0.65	(02)	23.8
West Virginia	61.4⊕*	0.73	(03)	23.0
Louisiana	61.2⊕*	0.53	(04)	22.6
Delaware	59.9⊕*	1.25	(05)	20.0
Low Five States				
Idaho	37.7⊕*	0.82	(47)	-24.4
Colorado	37.2⊕*	0.47	(48)	-25.5
New Mexico	35.2⊕*	0.66	(49)	-29.5
Hawaii	34.1⊕*	0.75	(50)	-31.7
Utah	22.0⊕*	0.55	(51)	-55.9

State	Rate	SE	Rank	PD	State	Rate	SE	Rank	PD
Alabama	54.3⊕*	0.48	(15)	8.8	Montana	43.6⊕*	0.95	(40)	-12.6
Alaska	53.5*	1.97	(17)	7.2	Nebraska	42.9⊕*	0.68	(41)	-14.0
Arizona	46.1⊕*	0.46	(34)	-7.6	Nevada	58.9⊕*	0.92	(07)	18.0
Arkansas	61.8⊕*	0.65	(02)	23.8	New Hampshire	51.2	0.95	(25)	2.6
California	44.8⊕*	0.17	(38)	-10.2	New Jersey	48.5	0.32	(32)	-2.8
Colorado	37.2⊕*	0.47	(48)	-25.5	New Mexico	35.2⊕*	0.66	(49)	-29.5
Connecticut	44.0⊕*	0.47	(39)	-11.8	New York	45.7⊕*	0.21	(36)	-8.4
Delaware	59.9⊕*	1.25	(05)	20.0	North Carolina	53.4⊕*	0.38	(18)	7.0
District of Columbia	53.2*	1.28	(20)	6.6	North Dakota	38.2⊕*	1.03	(46)	-23.4
Florida	51.6⊕	0.24	(23)	3.4	Ohio	54.1⊕*	0.29	(16)	8.4
Georgia	54.7⊕*	0.41	(13)	9.6	Oklahoma	55.5⊕*	0.55	(09)	11.2
Hawaii	34.1⊕*	0.75	(50)	-31.7	Oregon	51.5	0.55	(24)	3.2
Idaho	37.7⊕*	0.82	(47)	-24.4	Pennsylvania	48.6⊕	0.25	(31)	-2.6
Illinois	50.5	0.28	(27)	1.2	Rhode Island	50.3	0.92	(28)	0.8
Indiana	55.0⊕*	0.42	(12)	10.2	South Carolina	53.1⊕*	0.53	(21)	6.4
Iowa	45.0⊕*	0.51	(37)	-9.8	South Dakota	40.3⊕*	0.98	(44)	-19.2
Kansas	46.0⊕*	0.57	(35)	-7.8	Tennessee	59.3⊕*	0.46	(06)	18.8
Kentucky	67.7⊕*	0.57	(01)	35.7	Texas	51.7⊕	0.25	(22)	3.6
Louisiana	61.2⊕*	0.53	(04)	22.6	Utah	22.0⊕*	0.55	(51)	-55.9
Maine	55.5⊕*	0.88	(10)	11.2	Vermont	49.7	1.28	(29)	-0.4
Maryland	54.7⊕*	0.47	(14)	9.6	Virginia	53.3⊕*	0.41	(19)	6.8
Massachusetts	48.2	0.37	(33)	-3.4	Washington	49.3	0.43	(30)	-1.2
Michigan	51.0	0.32	(26)	2.2	West Virginia	61.4⊕*	0.73	(03)	23.0
Minnesota	39.6⊕*	0.41	(45)	-20.6	Wisconsin	41.8⊕*	0.39	(42)	-16.2
Mississippi	55.6⊕*	0.63	(08)	11.4	Wyoming	41.4⊕*	1.33	(43)	-17.0
Missouri	55.4⊕*	0.43	(11)	11.0					

* 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-17
LUNG AND BRONCHUS CANCER (Invasive)

AVERAGE ANNUAL AGE-ADJUSTED CANCER MORTALITY* RATES BY STATE, 1990-94

All Races, Males

State	Rate	SE	Rank	PD
TOTAL U.S.	73.2	0.11		
High Five States				
Kentucky	104.1⊕*	1.06	(01)	42.2
Louisiana	97.4⊕*	1.02	(02)	33.1
Arkansas	97.2⊕*	1.22	(03)	32.8
Tennessee	96.1⊕*	0.89	(04)	31.3
Mississippi	92.0⊕*	1.23	(05)	25.7
Low Five States				
Colorado	53.2⊕*	0.85	(47)	-27.3
Idaho	50.4⊕*	1.39	(48)	-31.1
New Mexico	49.4⊕*	1.17	(49)	-32.5
Hawaii	47.1⊕*	1.28	(50)	-35.7
Utah	32.5⊕*	0.98	(51)	-55.6

State	Rate	SE	Rank	PD	State	Rate	SE	Rank	PD
Alabama	89.6⊕*	0.94	(07)	22.4	Montana	59.9⊕*	1.63	(41)	-18.2
Alaska	68.8*	3.32	(31)	-6.0	Nebraska	64.9⊕*	1.24	(37)	-11.3
Arizona	63.5⊕*	0.80	(38)	-13.3	Nevada	74.3	1.52	(24)	1.5
Arkansas	97.2⊕*	1.22	(03)	32.8	New Hampshire	72.4	1.68	(26)	-1.1
California	59.4⊕*	0.30	(42)	-18.9	New Jersey	69.5⊕*	0.59	(29)	-5.1
Colorado	53.2⊕*	0.85	(47)	-27.3	New Mexico	49.4⊕*	1.17	(49)	-32.5
Connecticut	61.3⊕*	0.84	(39)	-16.3	New York	65.4⊕*	0.38	(36)	-10.7
Delaware	86.2⊕*	2.27	(10)	17.8	North Carolina	86.5⊕*	0.73	(09)	18.2
District of Columbia	81.2*	2.45	(15)	10.9	North Dakota	56.2⊕*	1.79	(45)	-23.2
Florida	72.3	0.42	(27)	-1.2	Ohio	80.8⊕*	0.54	(17)	10.4
Georgia	89.4⊕*	0.82	(08)	22.1	Oklahoma	84.9⊕*	1.01	(12)	16.0
Hawaii	47.1⊕*	1.28	(50)	-35.7	Oregon	67.7⊕*	0.92	(34)	-7.5
Idaho	50.4⊕*	1.39	(48)	-31.1	Pennsylvania	72.4	0.46	(25)	-1.1
Illinois	75.2	0.52	(22)	2.7	Rhode Island	75.4	1.70	(21)	3.0
Indiana	83.4⊕*	0.78	(13)	13.9	South Carolina	86.1⊕*	1.04	(11)	17.6
Iowa	67.8⊕*	0.93	(32)	-7.4	South Dakota	58.4⊕*	1.72	(43)	-20.2
Kansas	68.8*	1.03	(30)	-6.0	Tennessee	96.1⊕*	0.89	(04)	31.3
Kentucky	104.1⊕*	1.06	(01)	42.2	Texas	77.7⊕*	0.46	(20)	6.1
Louisiana	97.4⊕*	1.02	(02)	33.1	Utah	32.5⊕*	0.98	(51)	-55.6
Maine	79.9*	1.58	(18)	9.2	Vermont	70.6	2.29	(28)	-3.6
Maryland	78.5⊕*	0.85	(19)	7.2	Virginia	81.2⊕*	0.77	(16)	10.9
Massachusetts	67.7⊕*	0.67	(33)	-7.5	Washington	66.3⊕*	0.74	(35)	-9.4
Michigan	74.5	0.58	(23)	1.8	West Virginia	90.7⊕*	1.33	(06)	23.9
Minnesota	56.0⊕*	0.72	(46)	-23.5	Wisconsin	60.7⊕*	0.69	(40)	-17.1
Mississippi	92.0⊕*	1.23	(05)	25.7	Wyoming	56.4⊕*	2.30	(44)	-23.0
Missouri	83.3⊕*	0.79	(14)	13.8					

* 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 5% or more.
 ⊕ Difference between state rate and total U.S. rate is statistically significant ($p \leq .0002$).

Table XV-18
LUNG AND BRONCHUS CANCER (Invasive)

AVERAGE ANNUAL AGE-ADJUSTED CANCER MORTALITY* RATES BY STATE, 1990-94

All Races, Females

State	Rate	SE	Rank	PD
TOTAL U.S.	32.8	0.07		
High Five States				
Nevada	45.7 $\oplus$ *	1.12	(01)	39.3
Kentucky	41.2 $\oplus$ *	0.60	(02)	25.6
Delaware	40.2 $\oplus$ *	1.38	(03)	22.6
West Virginia	39.9 $\oplus$ *	0.79	(04)	21.6
Alaska	39.8*	2.33	(05)	21.3
Low Five States				
Colorado	25.3 $\oplus$ *	0.53	(47)	-22.9
New Mexico	24.1 $\oplus$ *	0.75	(48)	-26.5
North Dakota	23.9 $\oplus$ *	1.15	(49)	-27.1
Hawaii	22.6 $\oplus$ *	0.84	(50)	-31.1
Utah	13.7 $\oplus$ *	0.59	(51)	-58.2

State	Rate	SE	Rank	PD	State	Rate	SE	Rank	PD
Alabama	28.9 $\oplus$ *	0.47	(39)	-11.9	Montana	30.6	1.11	(33)	-6.7
Alaska	39.8*	2.33	(05)	21.3	Nebraska	26.4 $\oplus$ *	0.74	(45)	-19.5
Arizona	32.2	0.53	(29)	-1.8	Nevada	45.7 $\oplus$ *	1.12	(01)	39.3
Arkansas	34.9	0.67	(14)	6.4	New Hampshire	36.0	1.09	(10)	9.8
California	33.9	0.21	(21)	3.4	New Jersey	33.6	0.36	(23)	2.4
Colorado	25.3 $\oplus$ *	0.53	(47)	-22.9	New Mexico	24.1 $\oplus$ *	0.75	(48)	-26.5
Connecticut	32.1	0.55	(30)	-2.1	New York	31.9	0.23	(31)	-2.7
Delaware	40.2 $\oplus$ *	1.38	(03)	22.6	North Carolina	29.8 $\oplus$	0.38	(35)	-9.1
District of Columbia	34.4	1.37	(18)	4.9	North Dakota	23.9 $\oplus$ *	1.15	(49)	-27.1
Florida	35.3 $\oplus$	0.27	(11)	7.6	Ohio	34.9 $\oplus$	0.32	(15)	6.4
Georgia	30.3 $\oplus$	0.41	(34)	-7.6	Oklahoma	33.8	0.58	(22)	3.0
Hawaii	22.6 $\oplus$ *	0.84	(50)	-31.1	Oregon	39.2 $\oplus$ *	0.66	(06)	19.5
Idaho	27.4 $\oplus$ *	0.97	(43)	-16.5	Pennsylvania	31.7	0.27	(32)	-3.4
Illinois	32.9	0.31	(25)	0.3	Rhode Island	32.8	1.00	(26)	0.0
Indiana	34.6	0.45	(17)	5.5	South Carolina	29.5 $\oplus$ *	0.53	(36)	-10.1
Iowa	28.3 $\oplus$ *	0.56	(41)	-13.7	South Dakota	26.2 $\oplus$ *	1.11	(46)	-20.1
Kansas	28.9 $\oplus$ *	0.62	(40)	-11.9	Tennessee	32.6	0.46	(27)	-0.6
Kentucky	41.2 $\oplus$ *	0.60	(02)	25.6	Texas	32.4	0.27	(28)	-1.2
Louisiana	35.3	0.54	(12)	7.6	Utah	13.7 $\oplus$ *	0.59	(51)	-58.2
Maine	37.7*	0.99	(07)	14.9	Vermont	34.2	1.46	(19)	4.3
Maryland	37.5 $\oplus$ *	0.52	(08)	14.3	Virginia	33.3	0.43	(24)	1.5
Massachusetts	34.8	0.43	(16)	6.1	Washington	36.4 $\oplus$ *	0.51	(09)	11.0
Michigan	33.9	0.35	(20)	3.4	West Virginia	39.9 $\oplus$ *	0.79	(04)	21.6
Minnesota	27.4 $\oplus$ *	0.47	(44)	-16.5	Wisconsin	27.7 $\oplus$ *	0.43	(42)	-15.5
Mississippi	29.4 $\oplus$ *	0.61	(38)	-10.4	Wyoming	29.4*	1.54	(37)	-10.4
Missouri	34.9	0.46	(13)	6.4					

* 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.
 $\oplus$ Difference between state rate and total U.S. rate is statistically significant ($p \leq .0002$).

Table XV-19
LUNG AND BRONCHUS CANCER (Invasive)AGE-ADJUSTED SEER INCIDENCE RATES§, SEER MORTALITY RATES*, AND 5-YEAR RELATIVE SURVIVAL RATES‡
By Registry, Race and Sex

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>SEER INCIDENCE RATES§, 1990-94</u>									
REGISTRY									
Standard 9 registries	58.2	79.4	42.4	58.0	77.8	43.5	78.0	119.6	48.0
San Francisco-Oakland	57.2	73.2	45.2	58.4	71.7	48.6	80.8	115.0	55.1
Connecticut	59.0	78.8	45.2	58.6	77.5	45.6	67.6	104.4	41.6
Metropolitan Detroit	72.9	102.2	52.0	70.3	96.4	52.1	83.2	126.9	51.8
Hawaii	46.7	63.8	31.4	65.1	80.0	51.1	-	-	-
Iowa	57.2	83.6	37.6	56.8	82.9	37.4	-	-	-
New Mexico	40.5	55.2	29.0	42.2	57.3	30.4	-	-	-
Seattle-Puget Sound	62.6	81.0	48.6	62.9	80.6	49.4	78.3	117.8	41.2
Utah	27.5	40.0	17.5	27.4	39.5	17.6	-	-	-
Metropolitan Atlanta	65.4	96.4	44.1	63.9	90.3	45.8	69.6	118.2	38.9
San Jose-Monterey	51.0	66.5	39.7	53.4	68.3	42.8	59.5	83.9	38.2
Los Angeles	51.8	69.0	39.2	51.7	66.4	41.1	69.4	103.9	44.9
<u>SEER MORTALITY RATES*, 1990-94</u>									
REGISTRY									
Standard 9 registries	44.8	63.0	31.3	44.7	62.0	32.1	61.3	97.3	35.7
San Francisco-Oakland	44.5	57.6	35.0	45.9	56.8	38.0	62.8	92.3	41.3
Connecticut	44.0	61.3	32.1	43.7	60.2	32.4	51.9	85.6	28.7
Metropolitan Detroit	53.3	77.9	36.0	50.8	73.2	35.4	63.7	99.0	38.3
Hawaii	34.1	47.1	22.6	47.6	58.8	37.1	-	-	-
Iowa	45.0	67.8	28.3	44.7	67.3	28.2	-	-	-
New Mexico	35.2	49.4	24.1	36.6	51.4	24.9	-	-	-
Seattle-Puget Sound	48.7	65.1	36.5	49.4	65.3	37.5	56.1	89.7	25.8
Utah	22.0	32.5	13.7	21.9	32.1	13.7	-	-	-
Metropolitan Atlanta	52.4	81.0	33.2	50.6	74.7	34.4	60.8	110.0	30.3
San Jose-Monterey	39.2	53.7	28.8	41.2	55.4	31.2	50.8	76.7	32.0
Los Angeles	41.2	55.9	30.5	41.2	53.9	32.0	57.9	89.3	35.9
<u>SURVIVAL RATES‡, 1986-93</u>									
REGISTRY									
Standard 9 registries	13.8	12.5	15.7	14.1	12.7	16.1	11.1	10.5	12.2
San Francisco-Oakland	13.7	12.6	15.2	14.0	12.9	15.3	13.1	12.3	14.6
Connecticut	14.0	12.9	15.7	14.2	13.1	15.8	10.9	9.6	13.6
Metropolitan Detroit	14.3	12.9	16.4	15.4	13.8	17.8	10.7	10.5	10.9
Hawaii	15.4	14.6	16.7	16.7	15.3	18.6	-	-	-
Iowa	12.0	11.1	13.7	12.1	11.1	13.8	-	-	-
New Mexico	10.4	8.6	13.3	10.4	8.7	13.0	-	-	-
Seattle-Puget Sound	14.7	13.6	16.3	14.8	13.6	16.4	14.4	15.1	11.5
Utah	12.4	10.4	16.0	12.5	10.5	16.1	-	-	-
Metropolitan Atlanta	14.8	12.8	18.2	16.3	14.2	19.5	9.8	8.6	12.6

Note: San Jose-Monterey and Los Angeles are new SEER areas as of 1992 and their data are only used in this table and not other tables in this section.

§ 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.

‡ Survival rates are relative rates expressed as percents and are based on follow-up of patients through 1994.

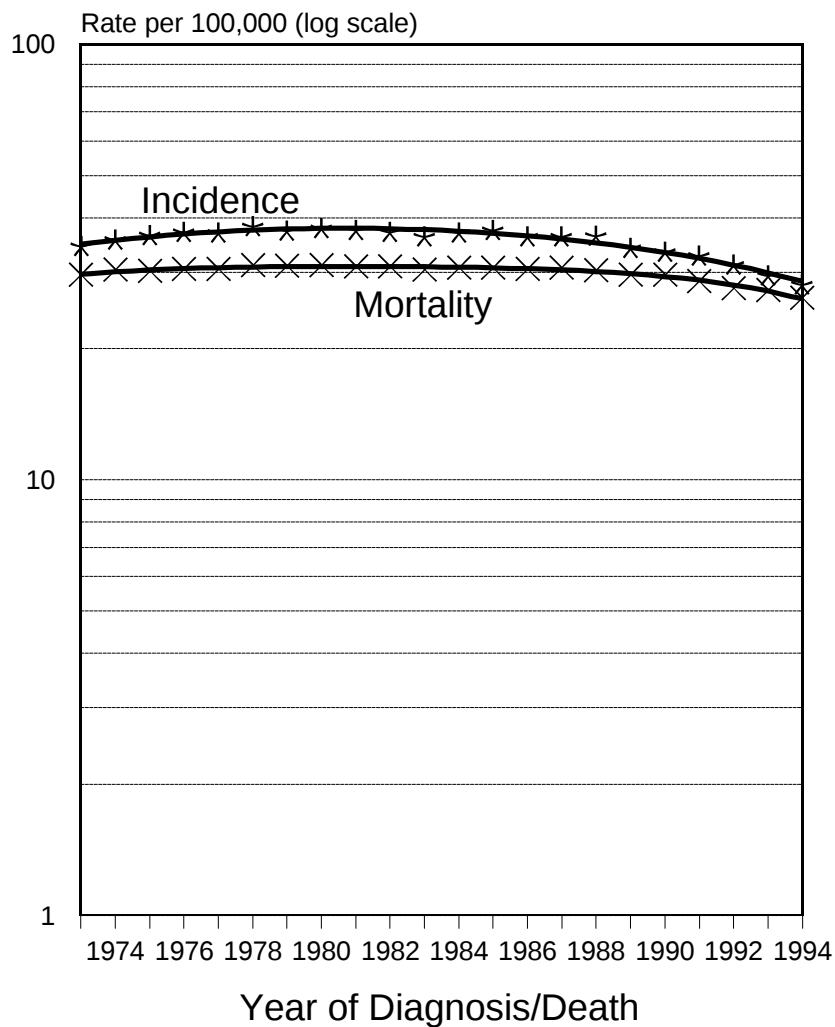
↑ The standard error of the survival rate is between 5 and 10 percentage points.

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

- Statistic could not be calculated or populations are inadequate.

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

White



Black

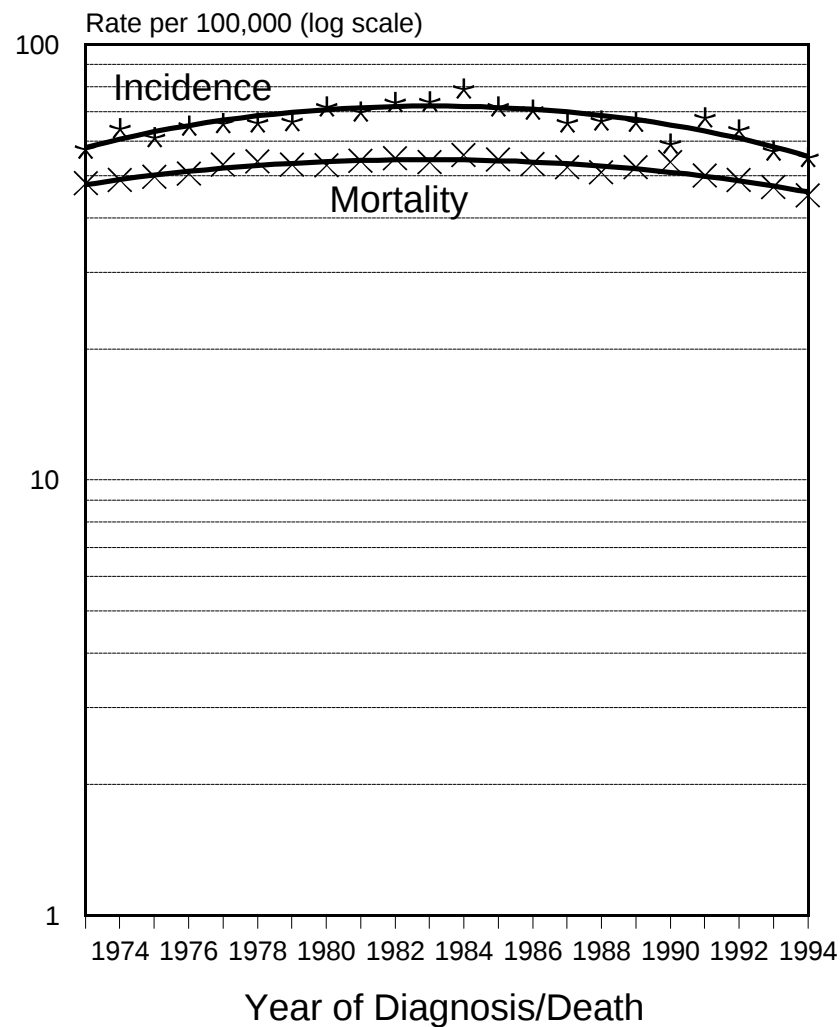
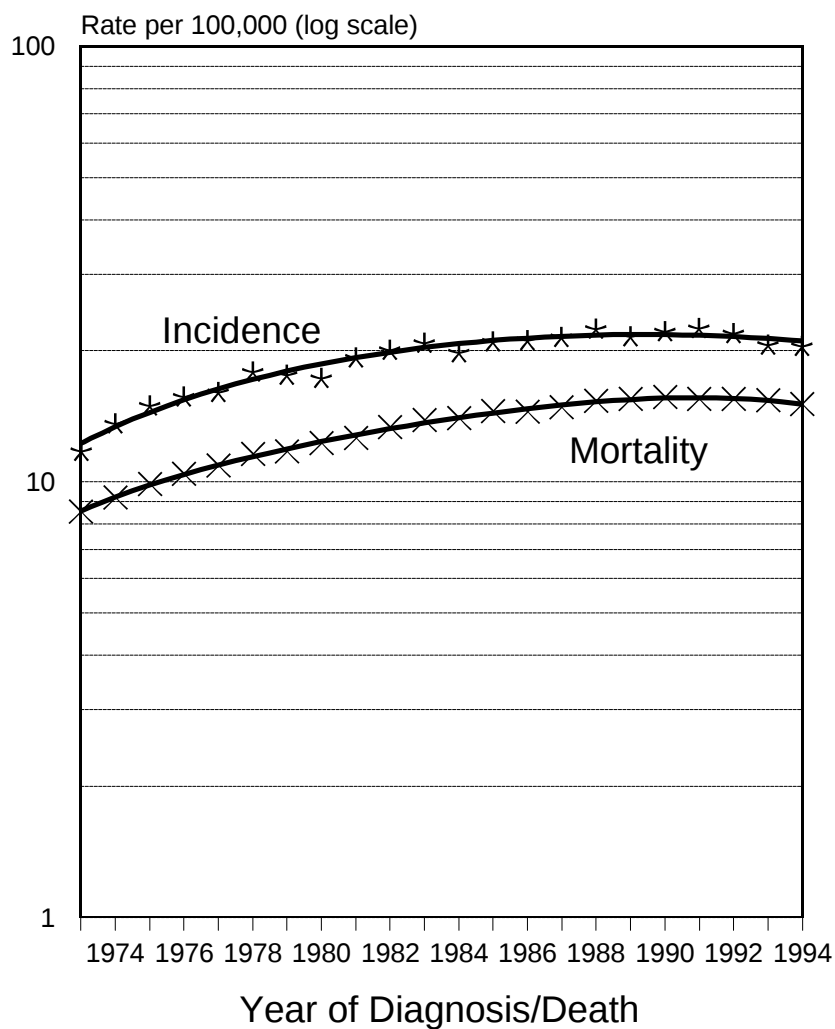


Figure XV-1

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

White



Black

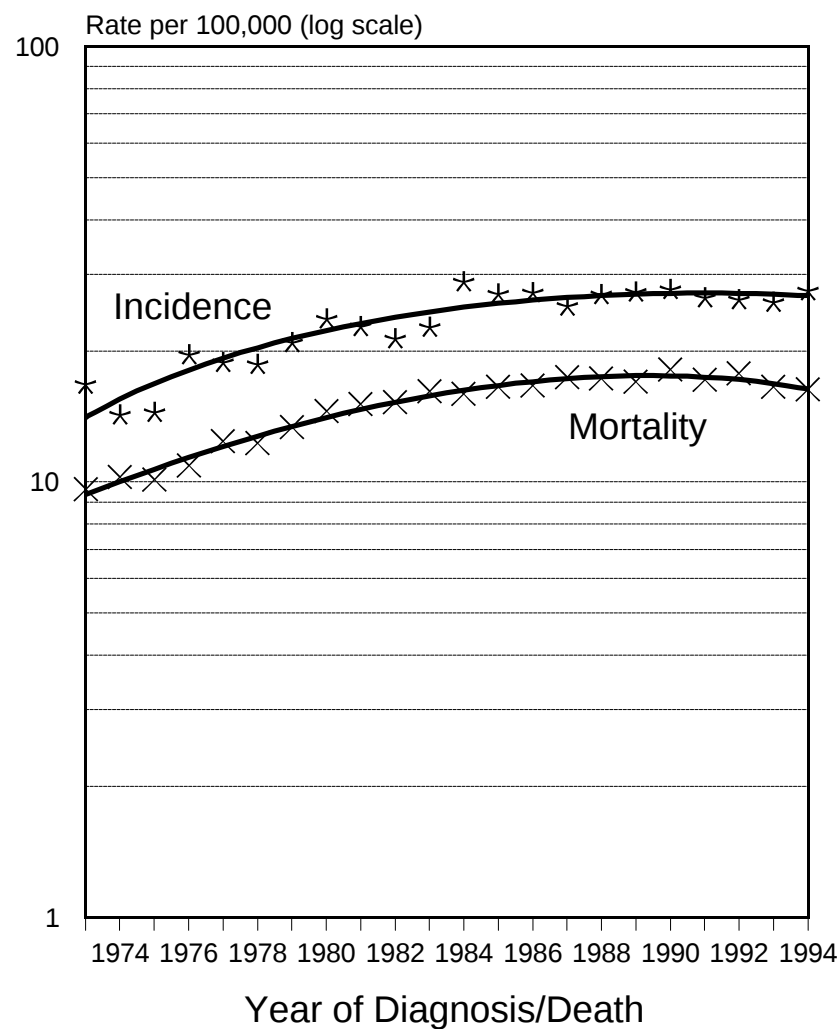
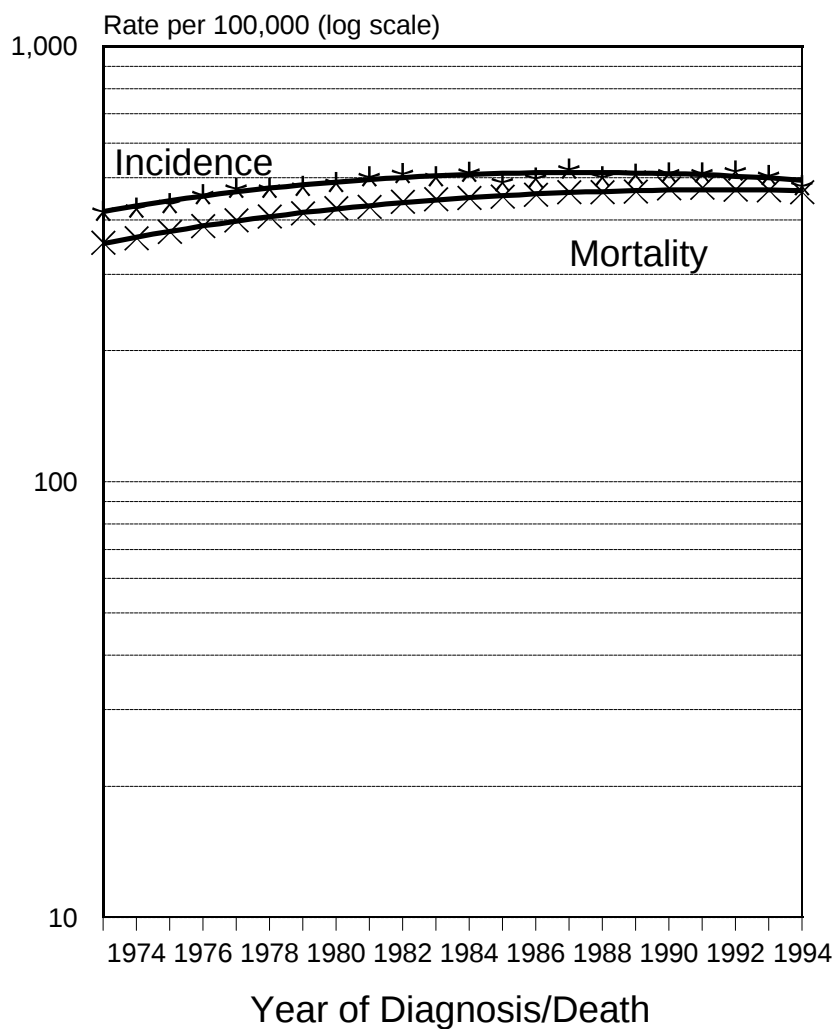


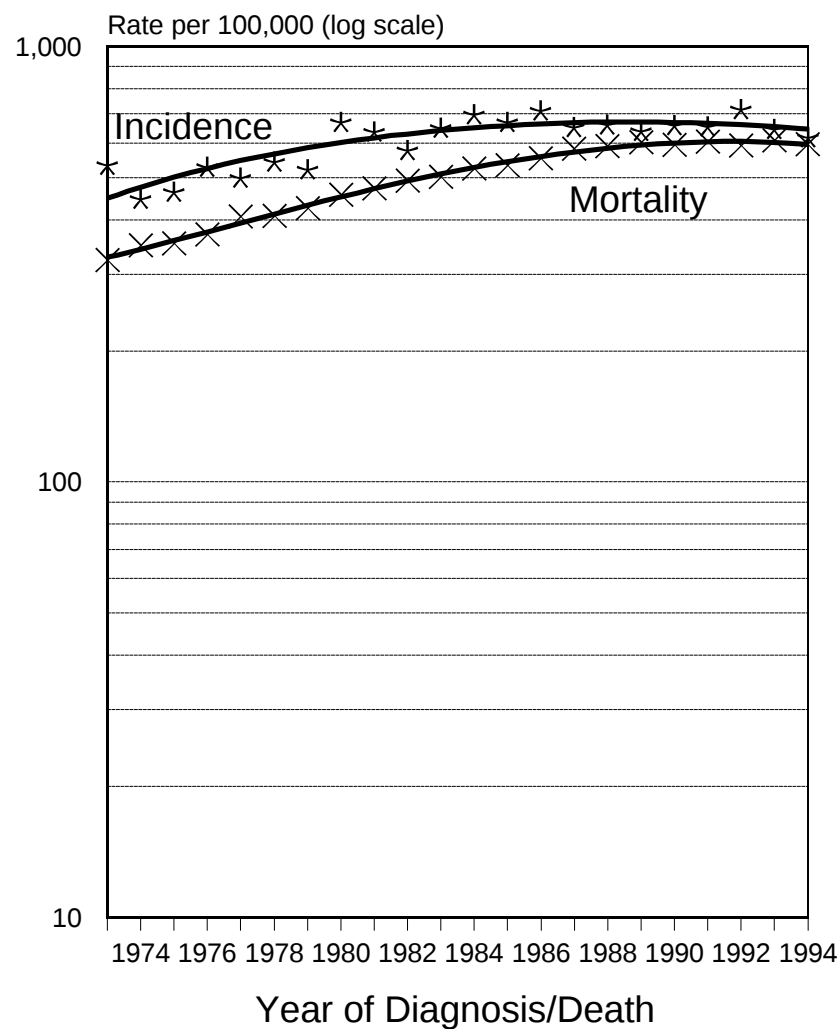
Figure XV-2

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

White

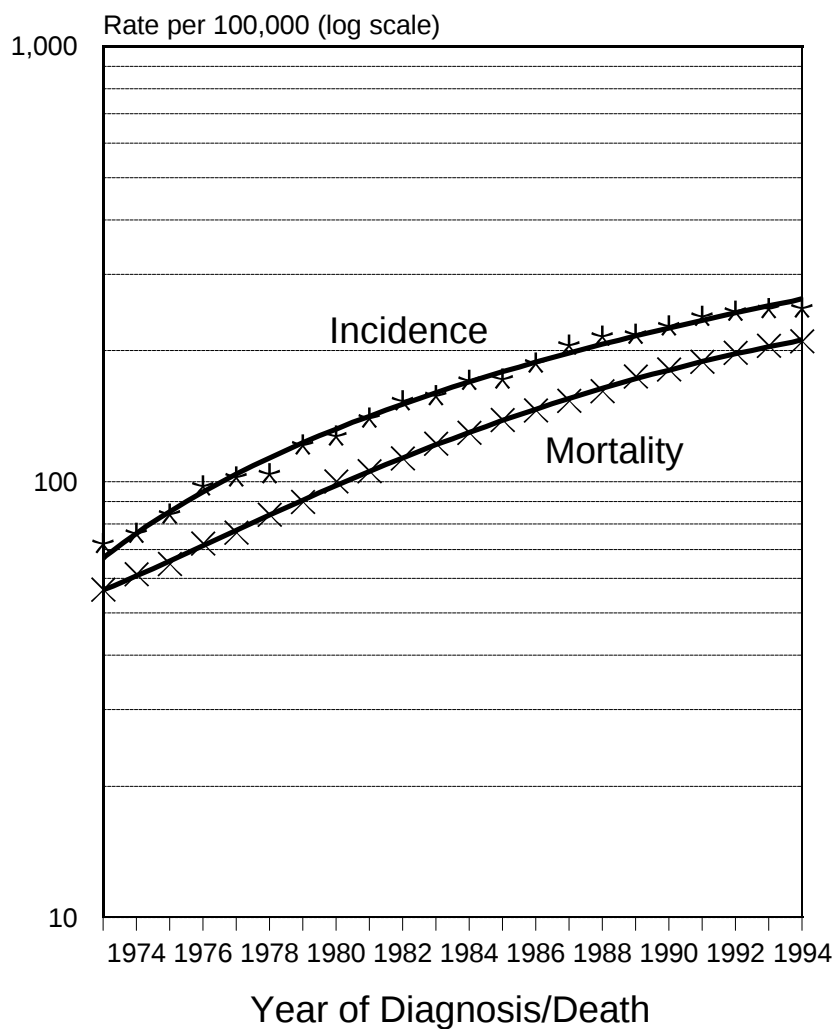


Black



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

White



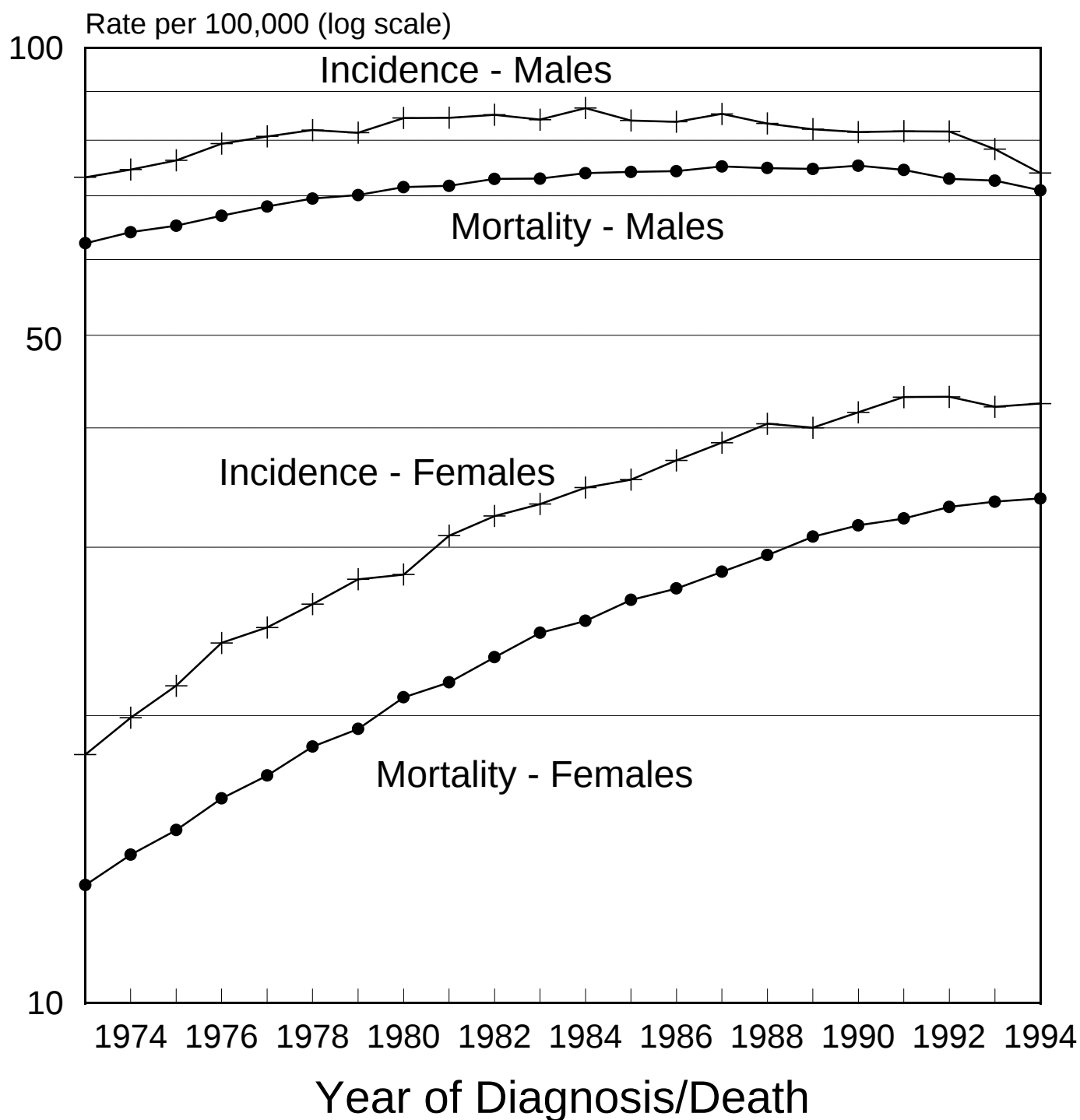
Black



Cancer of the Lung & Bronchus

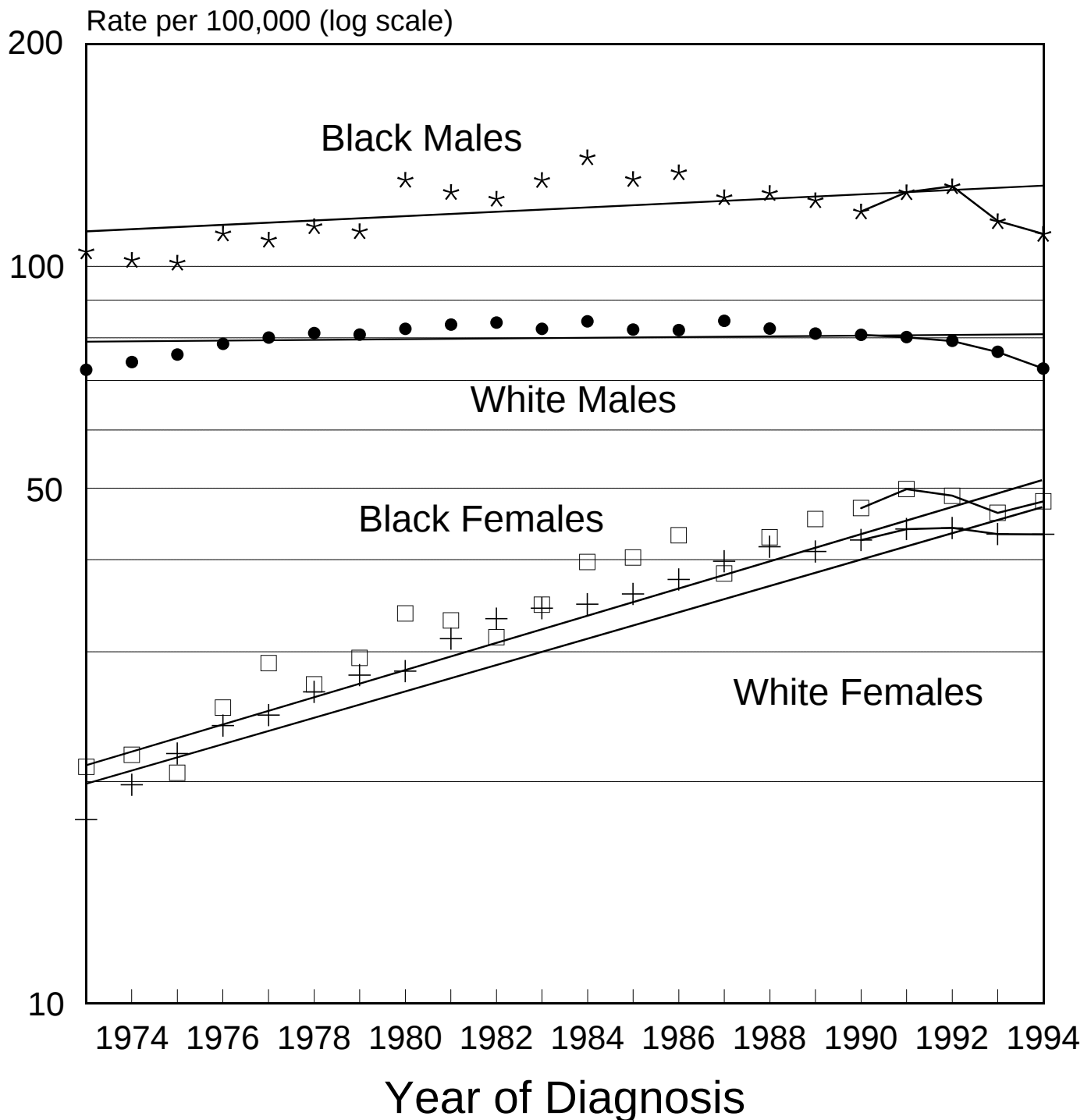
SEER Incidence & U.S. Mortality Rates, 1973-94

By Sex, All Races



Age-adjusted to 1970 Standard

Cancer of the Lung & Bronchus SEER Incidence, 1973-94 By Sex and Race



Age-adjusted to 1970 Standard
Recent trend, 1990-94, highlighted