

Table XVI-1  
MELANOMAS OF SKIN (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)	125.7	162.1	94.7	135.2	170.0	105.5	101.0	374.5	2.4
Est. Annual PC (EAPC)	3.7*	4.5*	3.0*	3.9*	4.7*	3.2*	0.6	2.1	-0.7
Under 65									
Percent Change (PC)	102.1	121.5	84.2	109.7	124.8	95.2	184.3	640.9	11.8
Est. Annual PC (EAPC)	3.1*	3.5*	2.7*	3.3*	3.7*	2.9*	1.1	-	-1.4
65 and over									
Percent Change (PC)	196.6	262.9	131.9	215.0	286.7	143.5	32.4	176.8	-7.5
Est. Annual PC (EAPC)	5.3*	6.5*	3.9*	5.6*	6.7*	4.1*	0.0	-	-0.2
<u>1975-79 - ALL AGES</u>									
Percent Change (PC)	15.2	15.8	16.5	18.1	18.6	19.9	-36.8	-65.1	-13.0
Est. Annual PC (EAPC)	4.9*	5.2*	4.9*	5.7*	6.0*	5.9*	-9.4	-23.8	-0.1
<u>1991-95 - ALL AGES</u>									
Percent Change (PC)	6.3	8.6	3.7	5.8	7.6	3.8	87.6	140.0	30.3
Est. Annual PC (EAPC)	2.1*♦	2.7*	1.3♦	1.9♦	2.4*♦	1.3♦	21.3	38.3	5.3
<u>MORTALITY TRENDS (expressed in percents)*:</u>									
<u>1973-95</u>									
All Ages									
Percent Change (PC)	32.7	46.5	15.8	36.9	50.5	19.4	-10.0	-18.7	-2.2
Est. Annual PC (EAPC)	1.3*	1.9*	0.6*	1.5*	2.0*	0.7*	-0.3	-1.0*	0.2
Under 65									
Percent Change (PC)	8.4	16.3	-3.9	13.2	20.9	0.6	-32.3	-24.5	-39.1
Est. Annual PC (EAPC)	0.4*	0.7*	-0.2	0.6*	0.9*	0.1	-2.0*	-2.0*	-1.6
65 and over									
Percent Change (PC)	78.2	98.4	52.8	82.7	103.1	55.9	11.4	-14.3	41.4
Est. Annual PC (EAPC)	2.7*	3.5*	1.7*	2.8*	3.6*	1.8*	0.8	-0.1	1.6*
<u>1975-79 - ALL AGES</u>									
Percent Change (PC)	9.7	12.0	7.0	10.3	12.8	7.3	-0.7	-10.1	16.0
Est. Annual PC (EAPC)	3.5*	4.1*	2.9	3.7*	4.3*	3.0	0.0	-1.8	3.8
<u>1991-95 - ALL AGES</u>									
Percent Change (PC)	-1.0	-0.9	-0.9	-0.3	-0.2	-0.3	-20.2	-24.9	-16.4
Est. Annual PC (EAPC)	-0.2♦	-0.2♦	-0.2♦	0.0♦	0.0♦	0.0◇	-6.9*♦	-8.0	-6.1

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 XVI-2  
MELANOMAS OF SKIN (Invasive)SEER INCIDENCE RATES, AGE-ADJUSTED AND AGE-SPECIFIC RATES<sup>§</sup>, 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	5.7	6.1	5.4	6.2	6.7	5.9	0.7	0.6	0.7
1974	5.9	6.2	5.7	6.5	6.9	6.3	0.5	0.2	0.7
1975	6.7	7.1	6.3	7.3	7.8	6.9	0.9	1.1	0.8
1976	6.9	7.4	6.5	7.6	8.1	7.1	1.4	1.7	1.2
1977	7.6	8.2	7.0	8.4	9.1	7.8	0.6	0.5	0.7
1978	7.6	8.0	7.3	8.5	9.0	8.3	0.6	0.3	0.8
1979	8.1	8.9	7.6	9.1	9.9	8.5	0.8	0.7	1.0
1980	8.9	9.9	8.2	10.1	11.2	9.4	0.7	0.7	0.7
1981	9.4	10.2	8.8	10.5	11.3	10.0	1.1	1.7	0.6
1982	9.4	10.5	8.6	10.6	11.8	9.8	0.8	1.0	0.6
1983	9.3	10.6	8.4	10.4	11.8	9.4	0.8	0.4	1.0
1984	9.6	10.9	8.7	10.8	12.3	9.8	0.6	0.1	0.9
1985	10.8	12.6	9.4	11.9	14.0	10.5	0.8	0.2	1.2
1986	11.2	13.2	9.8	12.4	14.5	10.9	0.4	0.2	0.5
1987	11.4	13.2	10.2	12.7	14.6	11.4	1.0	1.1	0.9
1988	10.8	12.5	9.5	12.3	14.3	11.0	0.9	0.9	0.9
1989	11.5	13.7	9.9	13.1	15.6	11.3	1.0	1.3	0.9
1990	11.6	13.8	9.9	13.2	15.7	11.4	1.0	1.2	0.7
1991	12.3	14.6	10.5	14.1	16.8	12.2	1.0	1.3	0.7
1992	12.4	15.2	10.4	14.2	17.3	11.9	0.3	0.1	0.4
1993	12.4	15.1	10.3	14.0	17.0	11.7	0.7	0.5	0.8
1994	13.0	16.1	10.5	14.8	18.3	12.1	0.9	1.0	0.8
1995	13.3	16.2	11.1	15.2	18.3	12.9	1.4	2.5	0.7
<u>AGE-ADJUSTED RATES, 1991-95</u>									
<u>AGE AT DIAGNOSIS:</u>									
All ages	12.7	15.5	10.6	14.5	17.6	12.2	0.9	1.1	0.7
Under 65	9.6	10.5	8.7	11.0	12.0	10.2	0.6	0.8	0.4
65 and over	41.1	60.9	27.5	46.1	68.7	30.6	3.6	4.4	3.1
All ages (world std.) <sup>§</sup>	11.2	13.2	9.7	12.9	15.0	11.2	0.7	0.9	0.5
<u>AGE-SPECIFIC RATES, 1991-95</u>									
<u>AGE AT DIAGNOSIS:</u>									
0-4	0.1	0.1	0.1	0.1	0.1	0.1	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	0.3	0.3	0.4	0.4	0.3	0.4	0.1	0.2	0.0
15-19	1.4	0.9	2.0	1.7	1.1	2.3	0.0	0.0	0.0
20-24	3.8	2.5	5.2	4.4	2.9	5.9	0.0	0.0	0.0
25-29	6.7	4.8	8.6	8.0	5.8	10.3	0.0	0.0	0.0
30-34	10.1	8.2	12.0	11.9	9.5	14.3	0.4	0.5	0.3
35-39	13.3	12.2	14.3	15.7	14.3	17.0	0.4	0.9	0.0
40-44	17.1	17.7	16.5	20.0	20.5	19.4	0.8	0.6	0.9
45-49	21.5	23.3	19.8	24.5	25.9	23.1	0.8	0.6	1.0
50-54	23.3	28.6	18.3	26.9	32.8	21.1	1.3	2.5	0.3
55-59	28.9	36.0	22.3	32.6	40.6	24.9	3.1	2.7	3.4
60-64	33.3	45.7	22.1	37.7	50.7	25.6	3.1	5.9	0.9
65-69	36.3	51.3	23.8	41.5	58.3	27.4	1.4	1.9	1.0
70-74	43.7	61.0	30.5	49.0	68.5	34.0	1.8	1.8	1.9
75-79	43.1	67.4	26.5	47.8	75.7	28.9	6.8	9.5	5.1
80-84	44.7	70.0	30.5	49.1	78.3	33.1	6.2	7.7	5.4
85+	43.9	74.6	31.7	47.5	84.7	33.5	8.6	7.1	9.3

<sup>§</sup> SEER Program. Rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population, except where noted.

<sup>§</sup> SEER Program. Rates are per 100,000 and are age-adjusted to the world standard population.

Table XVI-3  
 MELANOMAS OF SKIN (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	1.6	2.0	1.3	1.7	2.2	1.4	0.4	0.6	0.4
1974	1.7	2.2	1.3	1.9	2.5	1.4	0.3	0.4	0.3
1975	1.7	2.2	1.3	1.9	2.4	1.4	0.4	0.5	0.4
1976	1.9	2.4	1.4	2.0	2.6	1.6	0.4	0.6	0.3
1977	1.9	2.4	1.4	2.1	2.6	1.6	0.4	0.5	0.3
1978	1.9	2.5	1.4	2.1	2.7	1.6	0.4	0.5	0.4
1979	2.0	2.6	1.5	2.2	2.9	1.7	0.4	0.5	0.4
1980	1.9	2.5	1.4	2.1	2.8	1.5	0.5	0.4	0.5
1981	2.0	2.6	1.5	2.2	2.8	1.7	0.4	0.5	0.4
1982	2.0	2.7	1.5	2.2	3.0	1.6	0.4	0.5	0.4
1983	2.0	2.7	1.5	2.3	3.0	1.7	0.4	0.5	0.3
1984	2.1	2.8	1.5	2.3	3.1	1.6	0.4	0.4	0.4
1985	2.1	2.8	1.5	2.3	3.1	1.7	0.4	0.5	0.4
1986	2.1	2.9	1.5	2.4	3.2	1.7	0.4	0.6	0.2
1987	2.2	3.1	1.5	2.4	3.4	1.7	0.4	0.5	0.4
1988	2.2	3.0	1.5	2.4	3.3	1.7	0.4	0.4	0.3
1989	2.2	3.1	1.5	2.5	3.4	1.7	0.4	0.4	0.4
1990	2.3	3.1	1.6	2.5	3.4	1.8	0.4	0.5	0.4
1991	2.2	3.2	1.5	2.5	3.5	1.6	0.5	0.5	0.4
1992	2.2	3.1	1.5	2.5	3.5	1.7	0.4	0.5	0.3
1993	2.2	3.1	1.5	2.5	3.5	1.7	0.4	0.3	0.5
1994	2.2	3.1	1.5	2.5	3.5	1.7	0.3	0.4	0.3
1995	2.2	3.2	1.5	2.5	3.6	1.7	0.4	0.4	0.3
<u>AGE-ADJUSTED RATES, 1991-95</u>									
<u>AGE AT DEATH:</u>									
All ages	2.2	3.1	1.5	2.5	3.5	1.7	0.4	0.4	0.4
Under 65	1.3	1.8	0.9	1.5	2.0	1.1	0.2	0.2	0.1
65 and over	10.3	15.5	6.8	11.1	16.9	7.3	2.6	2.5	2.7
All ages (world std.)N	1.8	2.6	1.2	2.1	2.9	1.4	0.3	0.3	0.3
<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	0.0	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	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0
20-24	0.2	0.2	0.1	0.2	0.3	0.2	0.0	0.0	0.0
25-29	0.4	0.5	0.4	0.5	0.6	0.5	0.0	0.0	0.1
30-34	0.9	1.0	0.7	1.0	1.2	0.8	0.1	0.1	0.1
35-39	1.5	1.9	1.1	1.7	2.2	1.3	0.2	0.2	0.1
40-44	2.2	2.7	1.7	2.5	3.1	1.9	0.2	0.1	0.2
45-49	3.0	3.9	2.0	3.4	4.5	2.4	0.3	0.4	0.2
50-54	3.8	5.0	2.5	4.3	5.8	2.9	0.3	0.3	0.3
55-59	4.9	6.9	3.1	5.6	7.8	3.5	0.6	0.6	0.6
60-64	6.5	9.3	3.9	7.3	10.4	4.5	1.0	1.7	0.5
65-69	7.8	11.4	4.9	8.6	12.6	5.4	1.6	1.5	1.8
70-74	9.6	14.3	6.0	10.5	15.6	6.5	2.1	2.1	2.1
75-79	11.6	17.8	7.4	12.4	19.2	7.9	3.6	4.4	3.1
80-84	13.5	20.6	9.6	14.5	22.3	10.2	3.8	3.1	4.1
85+	15.7	25.3	11.9	16.8	27.7	12.6	4.8	2.9	5.6

\* 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 XVI-4  
MELANOMAS OF SKIN (Invasive)

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

	<u>All Races</u>			<u>Whites</u>			<u>Blacks</u>		
	<u>Total</u>	<u>Males</u>	<u>Females</u>	<u>Total</u>	<u>Males</u>	<u>Females</u>	<u>Total</u>	<u>Males</u>	<u>Females</u>
<u>5-YR RELATIVE SURVIVAL RATES</u>									
<u>YEAR OF DIAGNOSIS:</u>									
1960-63 <sup>a</sup>	-	-	-	60	51	68	-	-	-
1970-73 <sup>a</sup>	-	-	-	68	62	75	-	-	-
1974-76 <sup>b</sup>	79.8	74.8	84.6	80.1	75.2	84.8	66.4↑	-	-
1977-79 <sup>b</sup>	81.9	77.5	86.1	82.2	77.8	86.3	48.2↑	-	-
1980-82 <sup>b</sup>	82.8	77.4	88.1	83.0	77.7	88.2	59.5↑	-	-
1983-85 <sup>b</sup>	84.9	80.8	89.2	85.1	80.9	89.4	75.6↑	-	71.6↑
1986-88 <sup>b</sup>	88.1	85.1	91.3	88.3	85.4	91.4	65.2↑	-	-
1989-94 <sup>b</sup>	88.2S	85.7S	91.0S	88.4S	86.0S	91.2S	69.0↑	57.2↑	77.3↑
1989-94 <sup>b</sup>									
ALL STAGES	88.2	85.7	91.0	88.4	86.0	91.2	69.0↑	57.2↑	77.3↑
LOCALIZED	95.9	94.8	97.1	95.9	94.9	97.1	93.3↑	-	97.5↑
REGIONAL	58.9	55.5	64.1	59.3	55.8	64.7	-	-	-
DISTANT	11.9	14.5	6.9	12.3	14.8	7.4	-	-	-
UNSTAGED	70.7	67.6	75.1	70.9	67.8	75.3	-	-	-
<u>STAGE DISTRIBUTION (%) 1989-94<sup>b</sup></u>									
ALL STAGES									
Number of cases	15,949	8,711	7,238	15,784	8,632	7,152	85	41	44
Percent	100%	100%	100%	100%	100%	100%	100%	100%	100%
LOCALIZED	81	79	84	82	79	84	55	-	70
REGIONAL	9	10	7	8	9	7	-	-	-
DISTANT	4	5	3	4	4	3	-	-	-
UNSTAGED	6	7	6	6	7	6	-	-	-
<u>5-YR RELATIVE SURVIVAL RATES, 1989-94<sup>b</sup></u>									
<u>AGE AT DIAGNOSIS:</u>									
<45	90.1	85.7	93.9	90.2	85.8	94.0	-	-	-
45-54	88.5	84.9	92.5	88.7	85.2	92.5	-	-	-
55-64	88.2	85.8	92.1	88.3	86.0	92.2	-	-	-
65-74	87.8	87.8	87.9	88.3	88.5	88.3	-	-	-
75+	82.0	82.3	79.9	82.4	82.6	80.5	-	-	-
Under 65	89.2	85.5	93.3	89.3	85.7	93.4	73.1↑	63.0↑	-
65 and over	85.9	86.4	84.3	86.4	86.9	84.8	61.5↑	-	-

<sup>a</sup> Rates are based on End Results data from a series of hospital registries and one population-based registry.  
<sup>b</sup> 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 XVI-5  
MELANOMAS OF SKIN (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	6.7	6.9	7.6	7.6	8.1	8.9	9.4	9.4	9.3	9.6	10.8	11.2	11.4	10.8	11.5	11.6	12.3	12.4	12.4	13.0	13.3
Mortality																					
U.S.	1.7	1.9	1.9	1.9	2.0	1.9	2.0	2.0	2.0	2.1	2.1	2.1	2.2	2.2	2.2	2.3	2.2	2.2	2.2	2.2	2.2
SEER	1.6	1.7	1.7	1.8	1.8	1.9	2.0	1.9	1.9	2.1	1.9	1.9	2.1	2.1	2.0	2.0	2.2	2.0	2.1	1.9	2.0
Relative Survival Rates (SEER)																					
1-year	94.9	93.6	95.2	93.9	94.7	96.7	94.4	95.2	96.5	96.3	95.8	96.9	96.3	97.1	96.0	96.5	97.2	96.3	96.8	96.7	
2-year	89.8	89.2	89.4	89.6	91.0	92.3	90.2	91.1	92.1	92.9	92.8	93.2	92.9	93.4	93.6	93.5	94.3	93.6	94.0		
3-year	85.6	85.5	85.9	85.8	87.1	88.3	84.6	87.9	88.7	90.2	89.5	91.0	90.2	91.1	90.8	91.6	91.9	90.9			
4-year	82.0	83.2	83.1	83.5	83.8	85.7	82.1	85.5	86.4	87.1	87.5	89.6	88.6	89.8	89.1	89.5	90.4				
5-year	81.0	82.0	81.5	81.4	82.8	83.8	79.9	84.5	83.8	85.1	85.8	88.2	87.1	89.1	87.5	88.9					
6-year	79.0	80.4	80.5	79.3	80.4	82.9	78.8	83.8	82.3	84.1	84.7	87.2	86.2	87.3	86.4						
7-year	77.7	78.8	79.3	78.2	79.7	81.9	78.3	82.6	82.1	83.8	83.6	86.8	85.3	87.0							
8-year	76.3	77.5	78.4	77.3	79.2	80.8	78.3	82.0	80.8	83.5	83.5	86.1	84.5								
9-year	74.4	76.8	77.7	77.3	78.6	80.4	77.5	81.6	80.8	82.5	83.1	86.1									
10-year	72.7	76.8	76.9	77.3	78.6	80.3	77.5	81.5	80.3	81.7	83.1										
11-year	72.3	75.3	76.6	77.0	78.6	79.8	77.2	81.2	80.3	81.2											
12-year	71.0	74.9	76.5	76.6	78.6	78.8	77.2	81.2	80.3												
13-year	71.0	74.6	75.9	76.6	78.5	78.4	77.2	80.5													
14-year	69.4	74.2	75.9	76.3	78.5	78.1	77.2														
15-year	69.0	74.2	75.3	75.2	78.5	78.0															
16-year	69.0	74.1	75.3	74.4	78.3																
17-year	69.0	73.8	75.3	74.2																	
18-year	69.0	73.0	75.3																		
19-year	69.0	73.0																			
20-year	69.0																				

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 XVI-6  
MELANOMAS OF SKIN (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	7.1	7.4	8.2	8.0	8.9	9.9	10.2	10.5	10.6	10.9	12.6	13.2	13.2	12.5	13.7	13.8	14.6	15.2	15.1	16.1	16.2
Mortality																					
U.S.	2.2	2.4	2.4	2.5	2.6	2.5	2.6	2.7	2.7	2.8	2.8	2.9	3.1	3.0	3.1	3.1	3.2	3.1	3.1	3.1	3.2
SEER	1.9	2.1	2.1	2.3	2.3	2.5	2.6	2.7	2.7	2.9	2.5	2.5	3.0	2.8	2.5	2.6	3.2	2.8	2.9	2.7	3.0
Relative Survival Rates (SEER)																					
1-year	92.7	91.7	93.8	92.4	92.7	95.9	93.1	92.7	95.1	94.3	94.6	95.9	95.4	95.9	94.7	95.7	96.3	96.0	96.1	96.6	
2-year	85.0	85.6	87.2	86.7	87.9	89.6	88.1	87.4	88.8	89.8	90.6	91.3	90.7	91.9	92.3	91.7	93.4	92.5	93.0		
3-year	80.5	81.7	83.4	81.9	83.2	84.6	80.3	84.1	85.5	86.1	86.5	88.4	87.8	89.1	88.8	89.5	90.9	89.3			
4-year	76.5	79.1	79.9	78.6	78.5	81.3	77.4	81.5	83.3	82.1	84.2	86.7	85.9	87.6	86.5	86.9	89.3				
5-year	75.4	77.7	77.8	76.8	77.9	77.7	74.8	79.5	80.4	79.7	82.3	84.9	83.5	86.9	84.6	85.9					
6-year	73.0	75.8	76.5	74.1	75.5	76.8	73.1	78.6	79.3	78.9	81.2	83.4	83.0	85.1	83.4						
7-year	71.5	74.1	75.0	72.5	73.6	75.5	73.1	77.5	79.3	78.9	80.2	82.8	81.6	84.5							
8-year	69.6	73.1	74.5	71.6	72.1	74.1	72.9	77.1	78.0	78.9	80.0	82.3	81.1								
9-year	67.6	72.4	73.9	71.6	71.3	73.4	71.4	76.7	78.0	78.2	79.8	82.3									
10-year	65.6	72.4	72.8	71.6	71.3	73.3	71.4	76.7	78.0	77.5	79.8										
11-year	64.9	72.0	71.7	70.1	71.3	72.9	71.2	76.7	78.0	76.9											
12-year	62.7	71.9	71.7	69.9	71.3	72.0	71.2	76.7	78.0												
13-year	62.7	71.1	71.4	69.7	71.3	72.0	71.2	76.5													
14-year	61.8	70.6	71.4	69.7	71.3	71.2	71.2														
15-year	61.8	70.6	71.0	68.9	71.3	71.2															
16-year	61.8	70.5	71.0	68.4	70.4																
17-year	61.8	69.7	71.0	68.4																	
18-year	61.8	69.4	71.0																		
19-year	61.8	69.4																			
20-year	61.8																				

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 XVI-7  
MELANOMAS OF SKIN (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	6.3	6.5	7.0	7.3	7.6	8.2	8.8	8.6	8.4	8.7	9.4	9.8	10.2	9.5	9.9	9.9	10.5	10.4	10.3	10.5	11.1
Mortality																					
U.S.	1.3	1.4	1.4	1.4	1.5	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.5	1.5	1.5	1.5	1.5
SEER	1.3	1.3	1.4	1.3	1.4	1.3	1.4	1.3	1.3	1.4	1.5	1.5	1.4	1.5	1.5	1.6	1.5	1.4	1.4	1.2	1.3
Relative Survival Rates (SEER)																					
1-year	97.1	95.5	96.6	95.3	96.8	97.5	95.7	97.9	98.0	98.4	97.1	98.0	97.2	98.3	97.5	97.5	98.4	96.7	97.6	96.9	
2-year	94.5	92.7	91.5	92.2	94.1	95.1	92.2	94.9	95.6	96.2	95.1	95.3	95.2	94.9	95.1	95.6	95.2	94.9	95.2		
3-year	90.6	89.3	88.4	89.3	91.0	92.1	88.9	91.7	92.0	94.4	92.8	93.8	92.8	93.3	93.2	94.1	93.1	92.7			
4-year	87.3	87.3	86.2	87.8	89.0	90.1	86.6	89.6	89.7	92.4	91.2	92.8	91.4	92.0	92.1	92.5	91.8				
5-year	86.4	86.3	85.1	85.5	87.5	90.1	84.8	89.6	87.4	90.5	89.6	91.8	90.8	91.3	90.7	92.4					
6-year	84.8	85.1	84.5	84.0	85.2	89.1	84.2	89.0	85.5	89.3	88.4	91.3	89.5	89.6	89.9						
7-year	83.7	83.4	83.5	83.1	85.2	88.4	83.2	87.7	84.6	88.7	87.2	91.1	89.2	89.5							
8-year	82.6	81.9	82.3	82.3	85.2	87.6	83.2	86.9	83.6	87.5	87.2	90.1	87.9								
9-year	80.7	81.1	81.4	82.3	85.2	87.3	83.0	86.4	83.6	86.7	86.5	90.1									
10-year	79.4	80.9	80.9	82.3	85.2	87.2	82.8	86.2	82.4	85.7	86.5										
11-year	79.2	78.4	80.9	82.3	85.2	86.6	82.6	85.0	82.4	85.4											
12-year	78.6	77.8	80.4	82.1	85.0	85.4	82.6	85.0	82.2												
13-year	78.6	77.8	80.3	82.1	84.8	84.3	82.6	84.3													
14-year	76.2	77.7	80.1	81.2	84.8	84.3	82.6														
15-year	75.3	77.7	79.2	80.2	84.8	84.0															
16-year	75.3	77.5	79.2	79.2	84.8																
17-year	75.3	77.5	78.1	78.7																	
18-year	75.3	76.4	77.2																		
19-year	75.3	76.4																			
20-year	75.3																				

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 XVI-8  
MELANOMAS OF SKIN (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	0.01	0.04	1.52	0.00	0.01	0.08	1.12	
10	0.01	0.04	0.13	1.53	0.01	0.08	0.21	1.13	
20	0.03	0.13	0.31	1.54	0.07	0.20	0.37	1.12	
30	0.09	0.28	0.57	1.53	0.13	0.30	0.49	1.05	
40	0.19	0.49	0.88	1.48	0.17	0.37	0.56	0.94	
50	0.31	0.71	1.09	1.34	0.20	0.40	0.60	0.78	
60	0.44	0.86	1.08	1.13	0.21	0.43	0.57	0.61	
Lifetime Risk of Being Diagnosed =				1.52%	Lifetime Risk of Being Diagnosed =				1.12%
Lifetime Risk of Dying =				0.31%	Lifetime Risk of Dying =				0.18%

Whites

Current Age	Males				Females				
	+10 yrs	+20 yrs	+30 yrs	Eventually	+10 yrs	+20 yrs	+30 yrs	Eventually	
0	0.00	0.01	0.05	1.74	0.00	0.01	0.10	1.28	
10	0.01	0.05	0.16	1.76	0.01	0.10	0.25	1.29	
20	0.04	0.15	0.36	1.76	0.08	0.23	0.43	1.28	
30	0.11	0.32	0.65	1.75	0.15	0.35	0.57	1.20	
40	0.22	0.55	0.99	1.68	0.20	0.42	0.65	1.06	
50	0.35	0.80	1.24	1.52	0.22	0.46	0.68	0.87	
60	0.49	0.96	1.21	1.27	0.24	0.48	0.64	0.68	
Lifetime Risk of Being Diagnosed =				1.74%	Lifetime Risk of Being Diagnosed =				1.28%
Lifetime Risk of Dying =				0.36%	Lifetime Risk of Dying =				0.21%

Blacks

Current Age	Males				Females				
	+10 yrs	+20 yrs	+30 yrs	Eventually	+10 yrs	+20 yrs	+30 yrs	Eventually	
0	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.08	
10	0.00	0.00	0.01	0.10	0.00	0.00	0.00	0.09	
20	0.00	0.00	0.01	0.10	0.00	0.00	0.01	0.09	
30	0.00	0.01	0.03	0.10	0.00	0.01	0.03	0.09	
40	0.01	0.03	0.07	0.10	0.01	0.02	0.03	0.09	
50	0.03	0.07	0.09	0.11	0.02	0.03	0.05	0.08	
60	0.05	0.08	0.09	0.10	0.01	0.04	0.06	0.07	
Lifetime Risk of Being Diagnosed =				0.10%	Lifetime Risk of Being Diagnosed =				0.08%
Lifetime Risk of Dying =				0.03%	Lifetime Risk of Dying =				0.05%



Table XVI-9  
MELANOMAS OF SKIN (Invasive)

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

By Race/Ethnicity and Sex

Incidence<sup>i</sup>

RACE/ETHNICITY	Rate 1990-1995 Rate per 100,000 persons			Trend 1990-1995 EAPC (%)		
	Total	Males	Females	Total	Males	Females
	All Races	11.8	14.6	9.8	2.0★	2.7★
White	13.5	16.5	11.3	2.2★	2.8★	1.6
White Hispanic	2.9	2.9	2.9	-4.6	-2.4	-5.7
White Non-Hispanic	14.8	18.0	12.4	2.9★	3.2★	2.5★
Black	0.8	-	-	5.1	-	-
Asian/Pacific Islander <sup>‡</sup>	1.0	-	-	2.0	-	-
American Indian	-	-	-	-	-	-
Hispanic <sup>⊗</sup>	2.7	2.7	2.8	-4.9★	-2.8	-6.2

Mortality<sup>❖</sup>

RACE/ETHNICITY	Rate 1990-1995 Rate per 100,000 persons			Trend 1990-1995 EAPC (%)		
	Total	Males	Females	Total	Males	Females
	All Races	2.2	3.1	1.5	-0.4	0.1
White	2.5	3.5	1.7	-0.2	0.3	-1.0
White Hispanic	0.6	0.8	0.5	-0.8	-1.0	-0.2
White Non-Hispanic	2.6	3.7	1.8	0.0	0.5	-0.8
Black	0.4	0.4	0.4	-4.7★	-7.2	-3.4
Asian/Pacific Islander <sup>‡</sup>	0.3	-	-	1.8	-	-
American Indian	-	-	-	-	-	-
Hispanic <sup>⊗</sup>	0.6	0.8	0.5	-1.3	-1.6	-0.6

- 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.
- <sup>i</sup> 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).
- <sup>⊗</sup> 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.
- <sup>❖</sup> Mortality data are analyzed from a public-use file provided by the National Center for Health Statistics (NCHS).
- <sup>‡</sup> 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.
- <sup>★</sup> The EAPC is significantly different from zero (p<.05).

Table XVI-10  
MELANOMAS OF SKIN (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	12.0	14.8	9.9	13.7	16.8	11.4	0.8	1.0	0.7
9 registries	12.7	15.5	10.6	14.5	17.6	12.2	0.9	1.1	0.7
San Francisco-Oakland	11.2	14.4	8.8	14.2	18.0	11.2	0.7	0.9	0.5
Connecticut	15.5	19.0	12.9	16.5	20.0	14.0	2.1	3.3	1.3
Metropolitan Detroit	10.0	12.8	7.9	11.6	14.8	9.2	0.6	0.7	0.4
Hawaii	9.5	12.0	7.4	26.4	33.6	19.8	-	-	-
Iowa	11.0	12.8	9.6	10.9	12.7	9.6	-	-	-
New Mexico	11.1	13.5	9.2	12.1	14.6	10.1	-	-	-
Seattle-Puget Sound	15.0	17.0	13.4	16.4	18.6	14.8	0.9	0.6	1.2
Utah	15.0	17.9	12.6	15.4	18.5	13.0	-	-	-
Metropolitan Atlanta	15.8	20.4	12.7	18.3	23.5	14.7	1.0	1.7	0.6
San Jose-Monterey	12.7	15.4	10.7	13.1	16.1	10.9	0.0	0.0	0.0
Los Angeles	9.8	12.6	7.7	11.6	14.7	9.2	0.8	0.9	0.8
<u>SEER MORTALITY RATES*, 1991-95</u>									
REGISTRY									
11 registries	2.1	2.9	1.4	2.4	3.4	1.6	0.4	0.5	0.4
9 registries	2.1	2.9	1.4	2.4	3.4	1.6	0.4	0.5	0.4
San Francisco-Oakland	2.1	3.0	1.4	2.7	3.9	1.8	0.4	0.3	0.4
Connecticut	2.3	3.1	1.7	2.4	3.2	1.8	0.5	0.8	0.2
Metropolitan Detroit	1.6	2.3	1.0	1.9	2.8	1.3	0.4	0.5	0.3
Hawaii	1.1	1.6	0.6	3.0	4.6	1.5	-	-	-
Iowa	2.1	2.9	1.4	2.1	2.9	1.4	-	-	-
New Mexico	2.2	3.2	1.4	2.3	3.4	1.4	-	-	-
Seattle-Puget Sound	2.3	3.2	1.6	2.5	3.4	1.7	0.3	0.7	0.0
Utah	2.8	4.0	1.8	2.9	4.1	1.9	-	-	-
Metropolitan Atlanta	2.1	3.3	1.2	2.5	4.0	1.5	0.5	0.7	0.5
San Jose-Monterey	2.3	3.4	1.4	2.7	3.9	1.7	0.0	0.0	0.0
Los Angeles	2.1	2.9	1.4	2.6	3.6	1.8	0.5	0.7	0.4

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 XVI-11  
MELANOMAS OF SKIN (Invasive)

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

All Races, Males and Females

State	Rate	SE	Rank	PD
TOTAL U.S.	2.2	0.01		
High Five States				
Vermont	3.0*	0.31	(01)	36.4
Wyoming	2.9*	0.34	(02)	31.8
Utah	2.8*	0.19	(03)	27.3
Delaware	2.8*	0.27	(04)	27.3
Nevada	2.7*	0.19	(05)	22.7
Low Five States				
Michigan	1.8⊕*	0.06	(47)	-18.2
North Dakota	1.8*	0.21	(48)	-18.2
Mississippi	1.6⊕*	0.10	(49)	-27.3
Hawaii	1.1⊕*	0.14	(50)	-50.0
District of Columbia	0.8⊕*	0.16	(51)	-63.6

State	Rate	SE	Rank	PD	State	Rate	SE	Rank	PD
Alabama	2.2	0.10	(31)	0.0	Montana	2.2	0.21	(33)	0.0
Alaska	1.9	0.33	(46)	-13.6	Nebraska	2.1	0.15	(38)	-4.5
Arizona	2.5	0.11	(12)	13.6	Nevada	2.7*	0.19	(05)	22.7
Arkansas	2.1	0.12	(35)	-4.5	New Hampshire	2.5	0.21	(09)	13.6
California	2.4	0.04	(18)	9.1	New Jersey	2.4	0.07	(15)	9.1
Colorado	2.4	0.12	(16)	9.1	New Mexico	2.2	0.16	(30)	0.0
Connecticut	2.3	0.11	(26)	4.5	New York	2.0⊕	0.04	(41)	-9.1
Delaware	2.8*	0.27	(04)	27.3	North Carolina	2.5	0.08	(13)	13.6
District of Columbia	0.8⊕*	0.16	(51)	-63.6	North Dakota	1.8*	0.21	(48)	-18.2
Florida	2.3	0.05	(21)	4.5	Ohio	2.1	0.06	(37)	-4.5
Georgia	2.3	0.08	(24)	4.5	Oklahoma	2.5	0.12	(10)	13.6
Hawaii	1.1⊕*	0.14	(50)	-50.0	Oregon	2.6*	0.12	(06)	18.2
Idaho	2.6*	0.21	(07)	18.2	Pennsylvania	2.3	0.06	(25)	4.5
Illinois	1.9⊕	0.05	(43)	-13.6	Rhode Island	1.9	0.18	(42)	-13.6
Indiana	2.2	0.08	(27)	0.0	South Carolina	2.2	0.11	(29)	0.0
Iowa	2.1	0.11	(39)	-4.5	South Dakota	2.3	0.24	(20)	4.5
Kansas	2.4	0.13	(17)	9.1	Tennessee	2.5	0.09	(11)	13.6
Kentucky	2.4	0.10	(19)	9.1	Texas	2.2	0.05	(34)	0.0
Louisiana	1.9	0.09	(45)	-13.6	Utah	2.8*	0.19	(03)	27.3
Maine	2.2	0.18	(32)	0.0	Vermont	3.0*	0.31	(01)	36.4
Maryland	2.1	0.09	(36)	-4.5	Virginia	2.2	0.08	(28)	0.0
Massachusetts	2.6*	0.09	(08)	18.2	Washington	2.3	0.09	(23)	4.5
Michigan	1.8⊕*	0.06	(47)	-18.2	West Virginia	2.5	0.15	(14)	13.6
Minnesota	1.9	0.09	(44)	-13.6	Wisconsin	2.0	0.08	(40)	-9.1
Mississippi	1.6⊕*	0.10	(49)	-27.3	Wyoming	2.9*	0.34	(02)	31.8
Missouri	2.3	0.09	(22)	4.5					

\* 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 15% or more.  
⊕ Difference between state rate and total U.S. rate is statistically significant (p<=.0002).

Table XVI-12  
MELANOMAS OF SKIN (Invasive)

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

All Races, Males

State	Rate	SE	Rank	PD
TOTAL U.S.	3.1	0.02		
High Five States				
Utah	4.0*	0.33	(01)	29.0
Wyoming	3.9*	0.59	(02)	25.8
Vermont	3.8*	0.52	(03)	22.6
Idaho	3.8*	0.38	(04)	22.6
Delaware	3.7*	0.46	(05)	19.4
Low Five States				
Mississippi	2.3*	0.19	(47)	-25.8
North Dakota	1.8*	0.31	(48)	-41.9
Hawaii	1.6⊕*	0.23	(49)	-48.4
Alaska	1.5*	0.37	(50)	-51.6
District of Columbia	1.1⊕*	0.27	(51)	-64.5

State	Rate	SE	Rank	PD	State	Rate	SE	Rank	PD
Alabama	3.1	0.17	(30)	0.0	Montana	2.9	0.35	(39)	-6.5
Alaska	1.5*	0.37	(50)	-51.6	Nebraska	2.9	0.26	(37)	-6.5
Arizona	3.6*	0.19	(07)	16.1	Nevada	3.5	0.32	(10)	12.9
Arkansas	2.8	0.21	(40)	-9.7	New Hampshire	3.5	0.36	(12)	12.9
California	3.4	0.07	(16)	9.7	New Jersey	3.6*	0.13	(08)	16.1
Colorado	3.4	0.20	(18)	9.7	New Mexico	3.2	0.29	(24)	3.2
Connecticut	3.1	0.19	(31)	0.0	New York	2.8	0.08	(42)	-9.7
Delaware	3.7*	0.46	(05)	19.4	North Carolina	3.4	0.14	(17)	9.7
District of Columbia	1.1⊕*	0.27	(51)	-64.5	North Dakota	1.8*	0.31	(48)	-41.9
Florida	3.6*	0.09	(06)	16.1	Ohio	3.0	0.10	(33)	-3.2
Georgia	3.3	0.15	(19)	6.5	Oklahoma	3.5	0.20	(13)	12.9
Hawaii	1.6⊕*	0.23	(49)	-48.4	Oregon	3.4	0.21	(15)	9.7
Idaho	3.8*	0.38	(04)	22.6	Pennsylvania	3.2	0.10	(22)	3.2
Illinois	2.7	0.10	(43)	-12.9	Rhode Island	2.9	0.34	(35)	-6.5
Indiana	3.1	0.15	(28)	0.0	South Carolina	3.5	0.20	(11)	12.9
Iowa	2.9	0.19	(38)	-6.5	South Dakota	2.9	0.39	(34)	-6.5
Kansas	3.1	0.22	(27)	0.0	Tennessee	3.5	0.17	(09)	12.9
Kentucky	3.3	0.19	(21)	6.5	Texas	3.1	0.09	(29)	0.0
Louisiana	2.7	0.16	(44)	-12.9	Utah	4.0*	0.33	(01)	29.0
Maine	2.9	0.30	(36)	-6.5	Vermont	3.8*	0.52	(03)	22.6
Maryland	3.3	0.17	(20)	6.5	Virginia	3.0	0.14	(32)	-3.2
Massachusetts	3.5	0.15	(14)	12.9	Washington	3.2	0.16	(26)	3.2
Michigan	2.6⊕*	0.11	(46)	-16.1	West Virginia	3.2	0.25	(23)	3.2
Minnesota	2.7	0.15	(45)	-12.9	Wisconsin	2.8	0.15	(41)	-9.7
Mississippi	2.3*	0.19	(47)	-25.8	Wyoming	3.9*	0.59	(02)	25.8
Missouri	3.2	0.15	(25)	3.2					

\* 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 15% or more.  
 ⊕ Difference between state rate and total U.S. rate is statistically significant (p<=.0002).

Table XVI-13  
MELANOMAS OF SKIN (Invasive)

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

All Races, Females

State	Rate	SE	Rank	PD
TOTAL U.S.	1.5	0.01		
High Five States				
Vermont	2.3*	0.37	(01)	53.3
Alaska	2.2*	0.51	(02)	46.7
Delaware	2.0*	0.32	(03)	33.3
Wyoming	2.0*	0.39	(04)	33.3
Oregon	1.9*	0.14	(05)	26.7
Low Five States				
South Carolina	1.2*	0.10	(47)	-20.0
Rhode Island	1.2*	0.18	(48)	-20.0
Mississippi	1.0*	0.11	(49)	-33.3
District of Columbia	0.7*	0.19	(50)	-53.3
Hawaii	0.6⊕*	0.14	(51)	-60.0

State	Rate	SE	Rank	PD	State	Rate	SE	Rank	PD
Alabama	1.5	0.11	(32)	0.0	Montana	1.6	0.25	(22)	6.7
Alaska	2.2*	0.51	(02)	46.7	Nebraska	1.4	0.17	(35)	-6.7
Arizona	1.6	0.12	(26)	6.7	Nevada	1.9*	0.22	(07)	26.7
Arkansas	1.6	0.14	(19)	6.7	New Hampshire	1.8*	0.24	(12)	20.0
California	1.6	0.04	(28)	6.7	New Jersey	1.6	0.08	(25)	6.7
Colorado	1.7	0.13	(18)	13.3	New Mexico	1.4	0.17	(39)	-6.7
Connecticut	1.7	0.13	(17)	13.3	New York	1.4	0.05	(38)	-6.7
Delaware	2.0*	0.32	(03)	33.3	North Carolina	1.8*	0.09	(13)	20.0
District of Columbia	0.7*	0.19	(50)	-53.3	North Dakota	1.8*	0.29	(14)	20.0
Florida	1.3	0.05	(44)	-13.3	Ohio	1.4	0.06	(36)	-6.7
Georgia	1.5	0.09	(31)	0.0	Oklahoma	1.7	0.13	(15)	13.3
Hawaii	0.6⊕*	0.14	(51)	-60.0	Oregon	1.9*	0.14	(05)	26.7
Idaho	1.5	0.22	(33)	0.0	Pennsylvania	1.6	0.06	(29)	6.7
Illinois	1.3	0.06	(40)	-13.3	Rhode Island	1.2*	0.18	(48)	-20.0
Indiana	1.6	0.09	(27)	6.7	South Carolina	1.2*	0.10	(47)	-20.0
Iowa	1.4	0.12	(37)	-6.7	South Dakota	1.8*	0.29	(10)	20.0
Kansas	1.8*	0.16	(08)	20.0	Tennessee	1.7	0.10	(16)	13.3
Kentucky	1.6	0.12	(20)	6.7	Texas	1.4	0.05	(34)	-6.7
Louisiana	1.3	0.10	(43)	-13.3	Utah	1.8*	0.21	(09)	20.0
Maine	1.6	0.20	(23)	6.7	Vermont	2.3*	0.37	(01)	53.3
Maryland	1.3	0.09	(45)	-13.3	Virginia	1.6	0.09	(21)	6.7
Massachusetts	1.9*	0.10	(06)	26.7	Washington	1.5	0.10	(30)	0.0
Michigan	1.2*	0.07	(46)	-20.0	West Virginia	1.8*	0.17	(11)	20.0
Minnesota	1.3	0.10	(42)	-13.3	Wisconsin	1.3	0.09	(41)	-13.3
Mississippi	1.0*	0.11	(49)	-33.3	Wyoming	2.0*	0.39	(04)	33.3
Missouri	1.6	0.10	(24)	6.7					

\* 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 15% or more.  
 ⊕ Difference between state rate and total U.S. rate is statistically significant (p<=.0002).

# SEER Incidence and U.S. Mortality Melanoma of the Skin, White By Sex

## Male

## Female

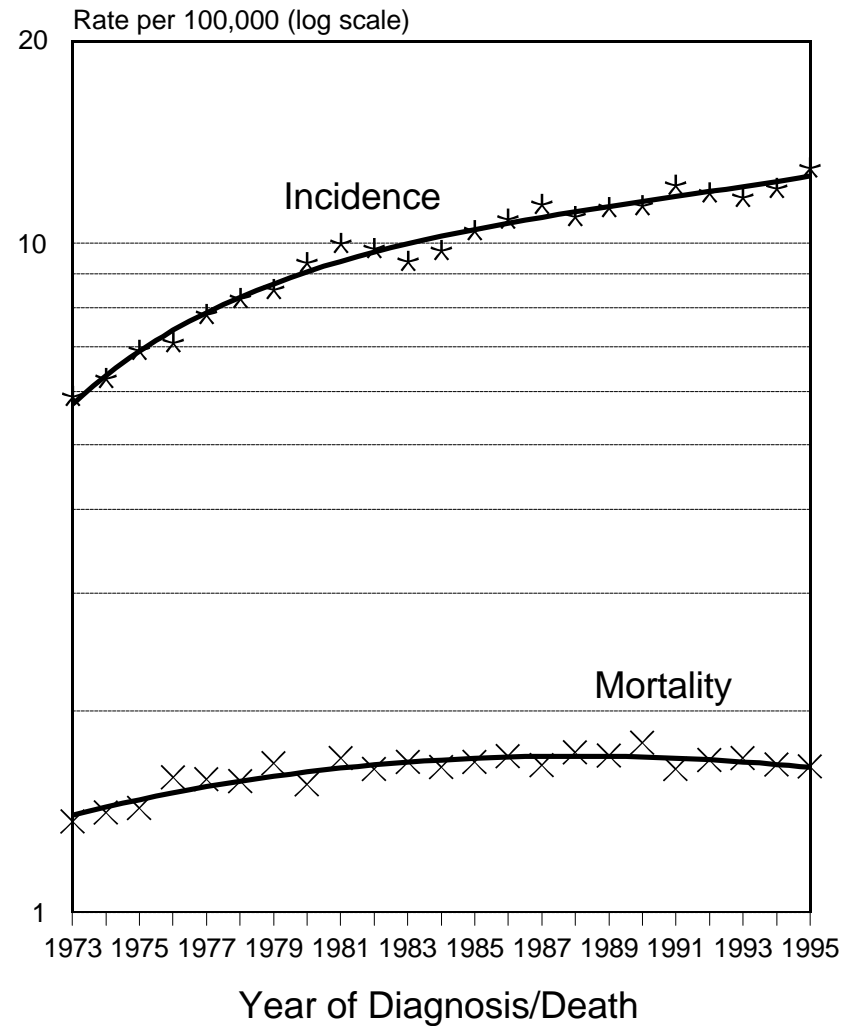
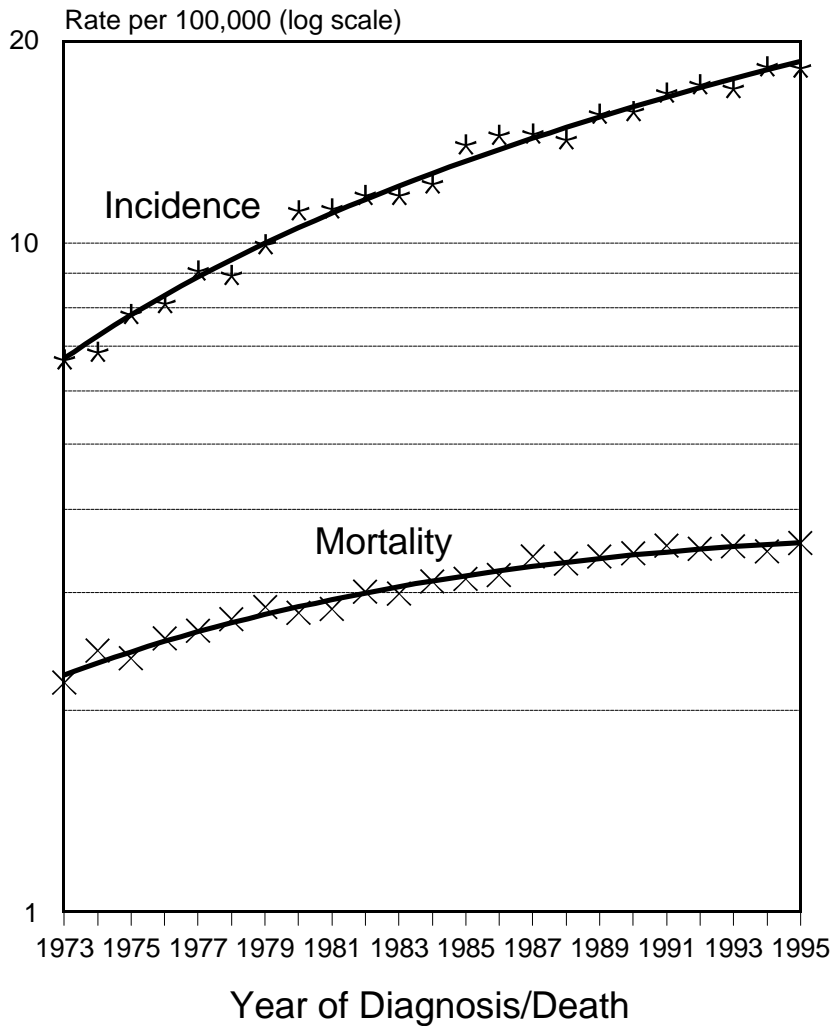


Figure XVI-1

# Melanoma of the Skin

## SEER Incidence by Age and Sex

### Whites 1973-1975 vs. 1993-1995

