

Table XVII-1

MESOTHELIOMAS (Invasive)AGE-ADJUSTED SEER CANCER INCIDENCE RATES<sup>a</sup>, 1979-2002

By Race, Sex and Year of Diagnosis

Race/Sex	Year of Diagnosis											
	1979- 1980	1981- 1982	1983- 1984	1985- 1986	1987- 1988	1989- 1990	1991- 1992	1993- 1994	1995- 1996	1997- 1998	1999- 2000	2001- 2002
All Races												
Both Sexes	0.9	0.8	1.1	0.9	1.0	1.1	1.2	1.1	1.2	1.0	1.1	1.0
Males	1.7	1.4	2.0	1.7	1.8	2.2	2.3	2.1	2.1	2.0	2.1	1.9
0-54	0.3	0.3	0.3	0.2	0.3	0.3	0.2	0.3	0.2	0.2	0.1	0.1
55-64	3.4	3.6	3.9	4.3	3.0	3.9	4.5	3.2	3.7	3.5	3.7	2.3
65-74	8.9	6.2	8.7	8.0	9.2	11.4	10.0	10.2	10.2	9.7	9.5	8.8
75-84	9.9	8.7	15.2	11.6	12.9	14.2	17.6	16.5	17.3	14.6	18.9	18.3
85+	8.0	4.6	8.9	6.5	8.9	14.4	18.2	12.3	14.9	17.0	15.2	12.5
Females	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.4	0.4
0-54	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.1
55-64	1.0	0.7	0.9	1.1	0.5	1.0	0.8	1.2	0.9	0.3	0.6	0.7
65-74	1.6	1.4	1.5	1.9	1.1	1.7	1.3	1.4	1.6	1.7	1.2	1.3
75-84	0.9	1.9	3.0	2.3	2.3	2.0	2.8	2.7	2.7	2.2	2.4	2.9
85+	1.0	0.6	1.2	0.6	2.7	1.3	2.1	1.5	2.9	1.7	2.2	1.9
Whites												
Both Sexes	0.9	0.9	1.1	1.0	1.0	1.2	1.3	1.2	1.3	1.1	1.2	1.1
Males	1.8	1.5	2.1	1.8	1.9	2.3	2.5	2.3	2.3	2.1	2.3	2.1
Females	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.4	0.4
Blacks												
Both Sexes	0.5	0.3	0.6	0.7	0.6	0.7	0.7	0.9	0.6	0.8	0.6	0.4
Males	0.8	0.8	1.2	1.4	1.1	1.2	1.5	1.6	1.3	1.4	1.1	0.8
Females	0.2	0.0	0.2	0.2	0.4	0.4	0.2	0.4	0.2	0.4	0.2	0.2

<sup>a</sup> SEER 9 areas. Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

Table XVII-2  
MESOTHELIOMASEER INCIDENCE RATES, AGE-ADJUSTED AND AGE-SPECIFIC RATES<sup>a</sup>, BY RACE AND SEX

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>AGE-ADJUSTED RATES</u>									
YEAR OF DIAGNOSIS:									
1975	0.6	1.0	0.3	0.6	1.0	0.3	-	-	-
1976	0.7	1.1	0.3	0.7	1.2	0.4	-	-	-
1977	0.6	1.0	0.3	0.6	1.1	0.3	-	-	-
1978	0.7	1.4	-	0.8	1.5	-	-	-	-
1979	0.8	1.5	0.3	0.8	1.6	0.3	-	-	-
1980	1.0	1.8	0.4	1.1	2.0	0.4	-	-	-
1981	0.8	1.4	0.3	0.8	1.5	0.3	-	-	-
1982	0.8	1.4	0.4	0.9	1.5	0.4	-	-	-
1983	1.0	1.9	0.5	1.1	2.0	0.5	-	-	-
1984	1.1	2.0	0.4	1.1	2.2	0.4	-	-	-
1985	0.9	1.7	0.4	1.0	1.7	0.4	-	-	-
1986	0.9	1.7	0.4	1.0	1.8	0.5	-	-	-
1987	1.0	1.7	0.4	1.0	1.8	0.5	-	-	-
1988	1.0	1.8	0.4	1.1	2.0	0.4	-	-	-
1989	1.1	2.2	0.4	1.2	2.4	0.4	-	-	-
1990	1.1	2.2	0.5	1.2	2.3	0.5	-	-	-
1991	1.1	2.1	0.4	1.2	2.2	0.5	-	-	-
1992	1.2	2.5	0.4	1.3	2.7	0.4	-	-	-
1993	1.1	2.0	0.4	1.1	2.2	0.4	-	-	-
1994	1.2	2.2	0.4	1.2	2.3	0.5	-	-	-
1995	1.2	2.2	0.5	1.2	2.3	0.5	-	-	-
1996	1.1	2.1	0.5	1.3	2.4	0.5	-	-	-
1997	1.0	1.9	0.4	1.1	2.0	0.4	-	-	-
1998	1.1	2.1	0.4	1.2	2.2	0.5	-	-	-
1999	1.1	2.2	0.4	1.2	2.3	0.4	-	-	-
2000	1.1	2.1	0.3	1.2	2.4	0.4	-	-	-
2001	1.0	1.9	0.4	1.1	2.1	0.5	-	-	-
2002	1.0	1.9	0.4	1.1	2.1	0.4	-	-	-
<u>AGE-ADJUSTED RATES, 1998-2002</u>									
AGE AT DIAGNOSIS:									
All ages	1.1	2.0	0.4	1.2	2.2	0.4	0.5	1.0	-
Under 65	0.3	0.4	0.2	0.3	0.5	0.2	-	-	-
65 and over	6.4	13.1	1.9	7.0	14.2	2.1	3.2	7.0	-
All ages(IARC world std) <sup>b</sup>	0.6	1.1	0.2	0.7	1.2	0.3	0.3	0.6	-
<u>AGE-SPECIFIC RATES, 1998-2002</u>									
AGE AT DIAGNOSIS:									
<1	-	-	-	-	-	-	-	-	-
1-4	-	-	-	-	-	-	-	-	-
5-9	-	-	-	-	-	-	-	-	-
10-14	-	-	-	-	-	-	-	-	-
15-19	-	-	-	-	-	-	-	-	-
20-24	-	-	-	-	-	-	-	-	-
25-29	-	-	-	-	-	-	-	-	-
30-34	-	-	-	-	-	-	-	-	-
35-39	-	-	-	-	-	-	-	-	-
40-44	-	-	-	-	-	-	-	-	-
45-49	0.3	-	-	0.4	-	-	-	-	-
50-54	0.8	0.9	0.7	0.9	1.0	0.7	-	-	-
55-59	1.1	1.9	-	1.2	2.0	-	-	-	-
60-64	2.4	4.3	-	2.8	4.9	-	-	-	-
65-69	3.9	7.0	1.2	4.2	7.5	-	-	-	-
70-74	6.1	11.7	1.6	6.8	12.9	1.9	-	-	-
75-79	8.1	16.6	2.1	8.8	18.0	2.3	-	-	-
80-84	9.8	20.6	3.3	10.6	22.2	3.6	-	-	-
85+	5.7	14.3	2.0	6.3	16.0	2.2	-	-	-

<sup>a</sup> SEER 9 areas. Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130), unless noted.

<sup>b</sup> SEER 9 areas. Rates are per 100,000 and are age-adjusted to the IARC world standard population.

- Statistic not shown. Rate based on less than 25 cases for the time interval.

Table XVII-3  
MESOTHELIOMA (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:									
1960-1963 <sup>a</sup>	-	-	-	-	-	-	-	-	-
1970-1973 <sup>a</sup>	-	-	-	-	-	-	-	-	-
1974-1976 <sup>b</sup>	8.4	3.7	20.9	8.7	4.0	21.3 <sup>e</sup>	-	-	-
1977-1979 <sup>b</sup>	7.5	4.0	18.9	7.4	3.8	19.0 <sup>e</sup>	-	-	-
1980-1982 <sup>b</sup>	8.2	6.4	13.9	8.7	6.9	14.2	-	-	-
1983-1985 <sup>b</sup>	7.1	5.3	12.4	6.7	4.7	12.8	8.4 <sup>e</sup>	-	-
1986-1988 <sup>b</sup>	7.7	4.8	15.8	7.7	4.8	16.0	-	-	-
1989-1991 <sup>b</sup>	6.8	4.4	15.2	6.9	4.4	15.8	3.6	-	-
1992-1994 <sup>b</sup>	7.8	3.7	23.1	7.3	3.3	23.4	12.0 <sup>e</sup>	11.3 <sup>e</sup>	-
1995-2001 <sup>b</sup>	9.0	6.6	17.2	9.0	6.5	17.7	14.7 <sup>e</sup>	10.0 <sup>e</sup>	-
1995-2001 <sup>b</sup>									
All Stages	9.0	6.6	17.2	9.0	6.5	17.7	14.7 <sup>e</sup>	10.0 <sup>e</sup>	-
Localized	16.7	12.9	33.5 <sup>e</sup>	15.6	11.5	34.3 <sup>f</sup>	-	-	-
Regional	11.7	9.2	21.0 <sup>e</sup>	11.3	9.1	19.8 <sup>e</sup>	-	-	-
Distant	5.9	3.7	11.7	5.9	3.8	12.2	9.0 <sup>e</sup>	0.0	-
Unstaged	9.0	5.8	24.7 <sup>e</sup>	9.7	6.3	25.2 <sup>e</sup>	-	-	-
<u>5-YR PERIOD SURVIVAL RATES<sup>bc</sup></u>									
YEAR OF DIAGNOSIS:									
1995-2001	8.4	6.3	16.2	8.4	5.9	17.4	-	-	-
<u>STAGE DISTRIBUTION (%) 1995-2001<sup>b</sup></u>									
All Stages									
Number of cases	1,504	1,185	319	1,372	1,083	289	65	47	18
Percent	100%	100%	100%	100%	100%	100%	100%	100%	100%
Localized	12	13	10	12	13	10	22	23	17
Regional	21	21	22	21	21	22	19	17	22
Distant	55	54	57	55	54	58	52	53	50
Unstaged	12	12	11	12	12	11	8	6	11
<u>5-YR RELATIVE SURVIVAL RATES, 1995-2001<sup>b</sup></u>									
AGE AT DIAGNOSIS:									
<45	35.1 <sup>e</sup>	-	46.4 <sup>e</sup>	36.9 <sup>e</sup>	-	47.8 <sup>f</sup>	-	-	-
45-54	20.9	12.7	34.1 <sup>e</sup>	21.8	11.6	38.4 <sup>e</sup>	-	-	-
55-64	10.0	8.5	17.9 <sup>e</sup>	9.5	8.8	12.3 <sup>e</sup>	-	-	-
65-74	5.2	5.0	5.1	5.2	4.9	5.5	-	-	-
75+	4.8	4.5	-	4.6	4.2	-	-	-	-
Under 65	16.5	10.1	32.9	16.7	10.2	35.2 <sup>e</sup>	22.7 <sup>f</sup>	-	-
65 and over	5.0	4.9	4.8	4.9	4.7	5.1	9.8 <sup>e</sup>	11.7 <sup>e</sup>	-

<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 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta). Rates are based on follow-up of patients into 2002.

<sup>c</sup> Period survival provides a more up-to-date estimate of survival by piecing together the most recent conditional survival estimates from several cohorts. It is computed here using three calendar year blocks (1999-2001: 0-1 year survival), (1998-2000: 1-2 year survival), (1997-1999: 2-3 year survival), (1996-1998: 3-4 year survival), (1995-1997: 4-5 years survival).

<sup>d</sup> The difference in rates between 1974-1976 and 1995-2001 is statistically significant (p<.05).

<sup>e</sup> The standard error of the survival rate is between 5 and 10 percentage points.

<sup>f</sup> The standard error of the survival rate is greater than 10 percentage points.

- Statistic could not be calculated.

Table XVII-4  
MESOTHELIOMA (Invasive)

SURVIVAL RATES<sup>a</sup>

By Year of Diagnosis

All Races, Males and Females

Year of Diagnosis

	1975- 1979	1980- 1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Relative Survival Rates (SEER <sup>b</sup> )																			
1-year	37.6	38.9	41.9	40.0	39.1	38.3	31.4	40.8	35.6	40.9	33.7	38.7	37.1	43.0	37.1	39.9	34.5	41.5	42.4
2-year	16.7	19.7	21.0	18.6	14.6	16.9	15.8	16.1	14.0	20.5	14.1	17.5	14.1	26.5	17.3	23.3	19.4	15.3	
3-year	11.2	12.4	14.3	11.9	8.6	12.2	9.6	10.9	11.9	13.3	9.1	12.3	12.3	17.9	10.8	16.0	13.5		
4-year	9.8	9.0	9.9	9.6	6.2	10.2	6.6	6.2	9.0	11.2	6.5	9.7	9.4	12.1	8.4	13.4			
5-year	8.2	7.6	7.4	8.0	5.0	9.8	5.1	6.2	8.9	10.0	4.4	8.5	7.7	10.4	6.8				
6-year	7.0	6.4	6.2	6.1	4.6	6.6	4.3	4.4	8.1	7.6	4.4	8.3	6.6	10.4					
7-year	6.7	5.9	4.8	5.4	4.0	5.4	4.3	3.2	7.8	7.2	4.4	7.8	5.6						
8-year	6.2	5.8	4.2	5.0	4.0	4.9	4.0	2.8	7.2	7.2	3.8	7.2							
9-year	6.0	5.6	3.5	5.0	3.5	4.9	4.0	2.8	5.4	7.2	3.8								
10-year	5.9	5.3	2.8	4.6	3.5	4.9	3.8	2.8	5.4	6.5									
11-year	5.9	5.3	2.8	4.6	3.5	4.9	3.8	2.8	5.1										
12-year	5.8	5.3	2.1	4.6	3.5	4.9	3.8	2.8											
13-year	5.8	5.3	2.1	4.6	3.5	4.9	3.8												
14-year	5.8	5.3	2.1	4.6	3.5	4.7													
15-year	5.8	5.2	2.1	4.6	3.5														
16-year	5.7	5.2	2.1	4.6															
17-year	5.7	5.2	2.1																
18-year	5.7	5.2																	
19-year	5.7																		
20-year	5.7																		

<sup>a</sup> Survival rates are relative rates expressed as percents.  
<sup>b</sup> Rates are from the SEER 9 areas.

Table XVII-5  
MESOTHELIOMA (Invasive)

SURVIVAL RATES<sup>a</sup>

By Year of Diagnosis

All Races, Males

Year of Diagnosis

	1975- 1979	1980- 1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Relative Survival Rates (SEER <sup>b</sup> )																			
1-year	36.0	37.5	41.6	35.3	40.4	35.4	29.8	37.2	31.4	36.5	35.9	34.5	36.4	46.4	34.0	35.5	33.3	41.8	38.2
2-year	12.0	16.7	21.1	11.4	13.5	13.7	14.9	12.8	8.6	15.6	13.9	11.5	11.3	26.1	14.9	18.8	15.7	14.4	
3-year	6.7	10.0	14.0	6.4	7.9	8.3	7.8	7.8	8.0	8.2	8.0	7.0	9.3	16.3	9.2	13.0	8.6		
4-year	5.7	7.2	10.0	3.8	4.6	7.0	6.1	4.5	4.4	6.5	5.3	4.0	6.2	11.1	6.8	10.8			
5-year	3.9	5.6	6.6	3.8	3.7	6.4	4.2	4.5	4.4	4.9	2.4	3.5	4.5	10.2	4.7				
6-year	3.2	4.8	5.0	3.1	3.0	2.9	3.0	3.3	4.4	3.0	2.4	3.5	3.8	10.2					
7-year	2.8	4.1	3.1	3.1	2.1	2.0	3.0	1.7	4.4	2.4	2.4	3.0	2.4						
8-year	2.2	3.9	3.1	3.1	2.1	2.0	3.0	0.9	4.4	2.4	1.0	2.5							
9-year	2.0	3.8	2.3	3.1	1.2	2.0	3.0	0.9	3.0	2.4	1.0								
10-year	2.0	3.8	2.3	2.7	1.2	2.0	2.9	0.9	3.0	2.0									
11-year	2.0	3.8	2.3	2.7	1.2	2.0	2.9	0.9	2.3										
12-year	1.9	3.8	2.3	2.7	1.2	2.0	2.9	0.9											
13-year	1.6	3.8	2.3	2.7	1.2	1.5	2.9												
14-year	1.6	3.8	2.3	2.7	1.2	0.0													
15-year	1.3	3.8	2.3	2.7	0.0														
16-year	1.3	3.8	2.3	2.7															
17-year	1.3	3.8	2.3																
18-year	1.3	3.8																	
19-year	1.3																		
20-year	1.3																		

<sup>a</sup> Survival rates are relative rates expressed as percents.  
<sup>b</sup> Rates are from the SEER 9 areas.

Table XVII-6  
MESOTHELIOMA (Invasive)

SURVIVAL RATES<sup>a</sup>

By Year of Diagnosis

All Races, Females

Year of Diagnosis

	1975- 1979	1980- 1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Relative Survival Rates (SEER <sup>b</sup> )																			
1-year	42.5	43.7	43.0	52.5	35.1	48.4	38.8	53.1	50.7	60.3	25.9	56.2	39.2	32.6	50.0	55.9	40.2	39.7	54.6
2-year	31.5	29.8	20.6	37.5	18.2	27.6	19.9	27.2	33.1	41.8	14.5	42.9	23.6	27.3	27.2	39.2	35.7	19.2	
3-year	24.8	20.4	15.2	26.2	10.8	25.1	17.3	20.9	24.6	34.1	12.3	33.7	21.7	22.2	17.0	26.3	33.8		
4-year	22.2	14.9	9.5	24.3	10.8	20.3	8.9	11.9	24.6	30.3	10.3	32.1	20.1	14.9	14.3	22.1			
5-year	20.9	13.9	9.5	17.8	8.6	20.3	8.9	11.9	23.6	30.3	10.3	27.7	18.6	11.0	14.3				
6-year	18.0	11.2	9.5	13.1	8.6	18.3	8.9	7.5	19.0	26.2	10.3	25.9	16.2	9.2					
7-year	17.4	11.2	9.5	10.6	8.6	15.8	8.9	7.5	16.7	26.2	10.3	25.9	16.2						
8-year	17.1	11.2	7.4	8.3	8.6	13.0	6.8	7.5	14.4	26.2	10.3	24.3							
9-year	17.1	10.4	7.4	8.3	8.6	13.0	6.8	7.5	12.6	25.4	10.3								
11-year	16.2	8.5	4.1	8.3	8.6	13.0	6.8	7.5	12.6	22.8									
10-year	15.7	8.5	4.1	8.3	8.6	13.0	6.8	7.5	12.6										
12-year	15.7	8.5	0.0	8.3	8.6	13.0	6.8	7.5											
13-year	15.7	8.5	0.0	8.3	8.6	13.0	6.8												
14-year	15.7	8.5	0.0	8.3	8.6	13.0													
15-year	15.7	8.5	0.0	8.3	8.6														
16-year	15.7	8.5	0.0	8.3															
17-year	15.4	8.5	0.0																
18-year	15.4	8.5																	
19-year	15.4																		
20-year	15.4																		

<sup>a</sup> Survival rates are relative rates expressed as percents.  
<sup>b</sup> Rates are from the SEER 9 areas.

Table XVII-7  
MESOTHELIOMA

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 (13 SEER Areas) With Cancer

2000-2002

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	0.00	0.19	0.00	0.00	0.00	0.05
10	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.05
20	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.05
30	0.00	0.00	0.02	0.20	0.00	0.00	0.01	0.05
40	0.00	0.01	0.06	0.20	0.00	0.01	0.02	0.05
50	0.01	0.06	0.14	0.21	0.01	0.01	0.03	0.05
60	0.05	0.14	0.20	0.21	0.01	0.03	0.04	0.04

Lifetime Risk of Being Diagnosed = 0.19%

Lifetime Risk of Being Diagnosed = 0.05%

Whites

Current Age	Males				Females			
	+10 yrs	+20 yrs	+30 yrs	Eventually	+10 yrs	+20 yrs	+30 yrs	Eventually
0	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.05
10	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.05
20	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.05
30	0.00	0.00	0.02	0.23	0.00	0.00	0.01	0.05
40	0.00	0.02	0.07	0.23	0.00	0.01	0.02	0.05
50	0.01	0.06	0.17	0.23	0.01	0.02	0.03	0.05
60	0.05	0.16	0.23	0.24	0.01	0.03	0.05	0.05

Lifetime Risk of Being Diagnosed = 0.22%

Lifetime Risk of Being Diagnosed = 0.05%

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	0.06	0.00	0.00	0.00	0.02
10	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.02
20	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.02
30	0.00	0.00	0.01	0.07	0.00	0.00	0.00	0.02
40	0.00	0.01	0.02	0.07	0.00	0.00	0.01	0.02
50	0.01	0.02	0.04	0.07	0.00	0.01	0.02	0.02
60	0.01	0.04	0.07	0.07	0.01	0.02	0.02	0.02

Lifetime Risk of Being Diagnosed = 0.06%

Lifetime Risk of Being Diagnosed = 0.02%

Devcan Version 6.0, April 2005, National Cancer Institute (<http://srab.cancer.gov/devcan/>).

Source: Incidence data are from the SEER 13 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia).

Table XVII-8  
MESOTHELIOMA

SEER INCIDENCE  
AGE-ADJUSTED RATES AND TRENDS<sup>a</sup>  
By Race/Ethnicity and Sex

Incidence<sup>b</sup>

RACE/ETHNICITY	Rate 1998-2002 Rate per 100,000 persons			Trend 1992-2002 APC (%)		
	Total	Males	Females	Total	Males	Females
All Races	1.0	1.9	0.4	-1.1 <sup>d</sup>	-1.5 <sup>d</sup>	-0.4
White	1.1	2.1	0.4	-0.7	-1.3 <sup>d</sup>	0.0
White Hispanic <sup>c</sup>	1.1	2.1	0.4	-2.0	-2.4	-
White Non-Hispanic <sup>c</sup>	1.1	2.1	0.4	-1.0	-1.6 <sup>d</sup>	0.3
Black	0.6	1.1	-	-4.1	-	-
Asian/Pacific Islander	0.4	0.7	-	-	-	-
Amer Ind/Alaska Nat	-	-	-	-	-	-
Hispanic <sup>c</sup>	1.1	2.0	0.4	-1.9	-2.3	-

- The APC is the Annual Percent Change over the time interval.
- Statistic not shown. Rate based on less than 25 cases for the time interval. Trend based on less than 10 cases for at least one year within the time interval.
- <sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).
- <sup>b</sup> Incidence data are from the 13 SEER areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia).
- <sup>c</sup> Hispanic and Non-Hispanic are not mutually exclusive from Whites, Blacks, Asian Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics do not include cases from Detroit, Hawaii, Alaska Native Registry and Rural Georgia.
- <sup>d</sup> The APC is significantly different from zero (p<.05).



Table XVII-9  
MESOTHELIOMA (Invasive)AGE-ADJUSTED SEER INCIDENCE RATES<sup>a</sup>  
By Registry, Race and Sex

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>SEER INCIDENCE RATES<sup>b</sup>, 1998-2002</u>									
REGISTRY									
13 SEER Areas	1.0	1.9	0.4	1.1	2.1	0.4	0.6	1.1	-
11 SEER Areas	1.0	1.9	0.4	1.1	2.1	0.4	0.6	1.1	-
9 SEER Areas	1.1	2.0	0.4	1.2	2.2	0.4	0.5	1.0	-
San Francisco-Oakland	1.3	2.4	0.5	1.5	2.9	0.5	-	-	-
Connecticut	1.2	2.2	0.4	1.2	2.3	0.5	-	-	-
Metropolitan Detroit	1.0	1.9	0.5	1.2	2.1	0.5	-	-	-
Hawaii	0.7	1.3	-	-	-	-	-	-	-
Iowa	0.7	1.2	0.4	0.7	1.2	0.4	-	-	-
New Mexico	1.0	1.9	-	1.0	1.9	-	-	-	-
Seattle-Puget Sound	1.6	3.2	0.4	1.7	3.3	0.4	-	-	-
Utah	1.0	1.9	-	1.0	1.9	-	-	-	-
Metropolitan Atlanta	0.5	0.8	-	0.6	1.1	-	-	-	-
San Jose-Monterey	0.8	1.3	0.5	0.9	1.4	-	-	-	-
Los Angeles	0.9	1.7	0.4	1.1	2.0	0.5	0.7	-	-

<sup>a</sup> Incidence rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).  
<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta. The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles. The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.

- Statistic could not be calculated or populations are inadequate.

Table XVII-10  
MESOTHELIOMA (Invasive)

Estimated United States Cancer Prevalence Counts<sup>a</sup> on January 1, 2002  
By Race/Ethnicity, Sex and Years Since Diagnosis

Years Since Diagnosis	0 to <5	5 to <10	10 to <15	15 to <20	20 to <25	0 to <12 <sup>e</sup>	0 to <27 <sup>e</sup>	>=27 <sup>g</sup>	Complete <sup>h</sup>
<u>Race/Sex</u>									
All Races <sup>b</sup>	3,065	641	267	213	175	3,825	4,422	+	+
Males	2,144	286	73	117	59	2,465	2,686	+	+
Females	921	355	194	96	116	1,360	1,736	+	+
White <sup>b</sup>	2,868	561	261	193	152	3,545	4,088	+	+
Males	2,017	249	70	97	47	2,301	2,480	+	+
Females	851	312	191	96	105	1,244	1,608	+	+
Black <sup>b</sup>	106	63	0	17	24	169	215	+	+
Males	58	37	0	17	13	95	130	+	+
Females	48	26	0	0	11	74	85	+	+
Asian/Pacific Islander <sup>c</sup>	26	9	+	+	+	36	+	+	+
Males	18	5	+	+	+	23	+	+	+
Females	8	4	+	+	+	13	+	+	+
Hispanic <sup>d</sup>	192	19	+	+	+	217	+	+	+
Males	150	5	+	+	+	155	+	+	+
Females	42	14	+	+	+	62	+	+	+

Estimated prevalence percent<sup>a</sup> on January 1, 2002, of the SEER 11 population diagnosed in the previous 10 years  
By Age at Prevalence, Race/Ethnicity and Sex

Age at Prevalence	Age Specific (Crude)										Age-Adjusted <sup>f</sup>
	All Ages	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80+	All Ages
<u>Race/Sex</u>											
All Races <sup>c</sup>	0.0010%	-	-	-	0.0002%	0.0005%	0.0017%	0.0033%	0.0067%	0.0060%	0.0011%
Males	0.0014%	-	-	-	-	0.0005%	0.0021%	0.0045%	0.0128%	0.0119%	0.0018%
Females	0.0007%	-	-	-	0.0003%	0.0005%	0.0013%	0.0022%	0.0022%	0.0028%	0.0007%
White <sup>c</sup>	0.0012%	-	-	-	0.0002%	0.0006%	0.0018%	0.0039%	0.0076%	0.0064%	0.0013%
Males	0.0017%	-	-	-	-	0.0005%	0.0023%	0.0056%	0.0139%	0.0132%	0.0020%
Females	0.0008%	-	-	-	0.0004%	0.0006%	0.0014%	0.0024%	0.0027%	0.0028%	0.0008%
Black <sup>c</sup>	0.0005%	-	-	-	-	-	0.0012%	0.0021%	0.0034%	-	0.0007%
Males	0.0006%	-	-	-	-	-	-	-	0.0085%	-	0.0011%
Females	0.0003%	-	-	-	-	-	-	-	-	-	0.0004%
Asian/Pacific Islander <sup>c</sup>	0.0003%	-	-	-	-	-	-	-	0.0030%	-	0.0004%
Males	0.0005%	-	-	-	-	-	-	-	0.0070%	-	0.0007%
Females	0.0002%	-	-	-	-	-	-	-	-	-	0.0002%
Hispanic <sup>d</sup>	0.0005%	-	-	-	-	0.0006%	0.0013%	0.0028%	0.0070%	0.0088%	0.0012%
Males	0.0008%	-	-	-	-	-	0.0020%	0.0063%	0.0126%	-	0.0021%
Females	0.0003%	-	-	-	-	-	-	-	-	-	0.0006%

<sup>a</sup> US 2002 cancer prevalence counts are based on 2002 cancer prevalence proportions from the SEER registries and 1/1/2002 US population estimates based on the average of 2001 and 2002 population estimates from the US Bureau of the Census. Prevalence was calculated using the First Malignant Primary Only for a person.

<sup>b c d</sup> Statistics based on b) SEER 9 Areas c) SEER 11 Areas and Rural Georgia d) SEER 11 Areas excluding Hawaii and Detroit.

<sup>e</sup> Maximum limited-duration prevalence: 27 years for 1975-2002 SEER 9 data; 12 years for 1990-2002 SEER 11 data (used to calculate prevalence for Hispanics and Asian Pacific Islanders).

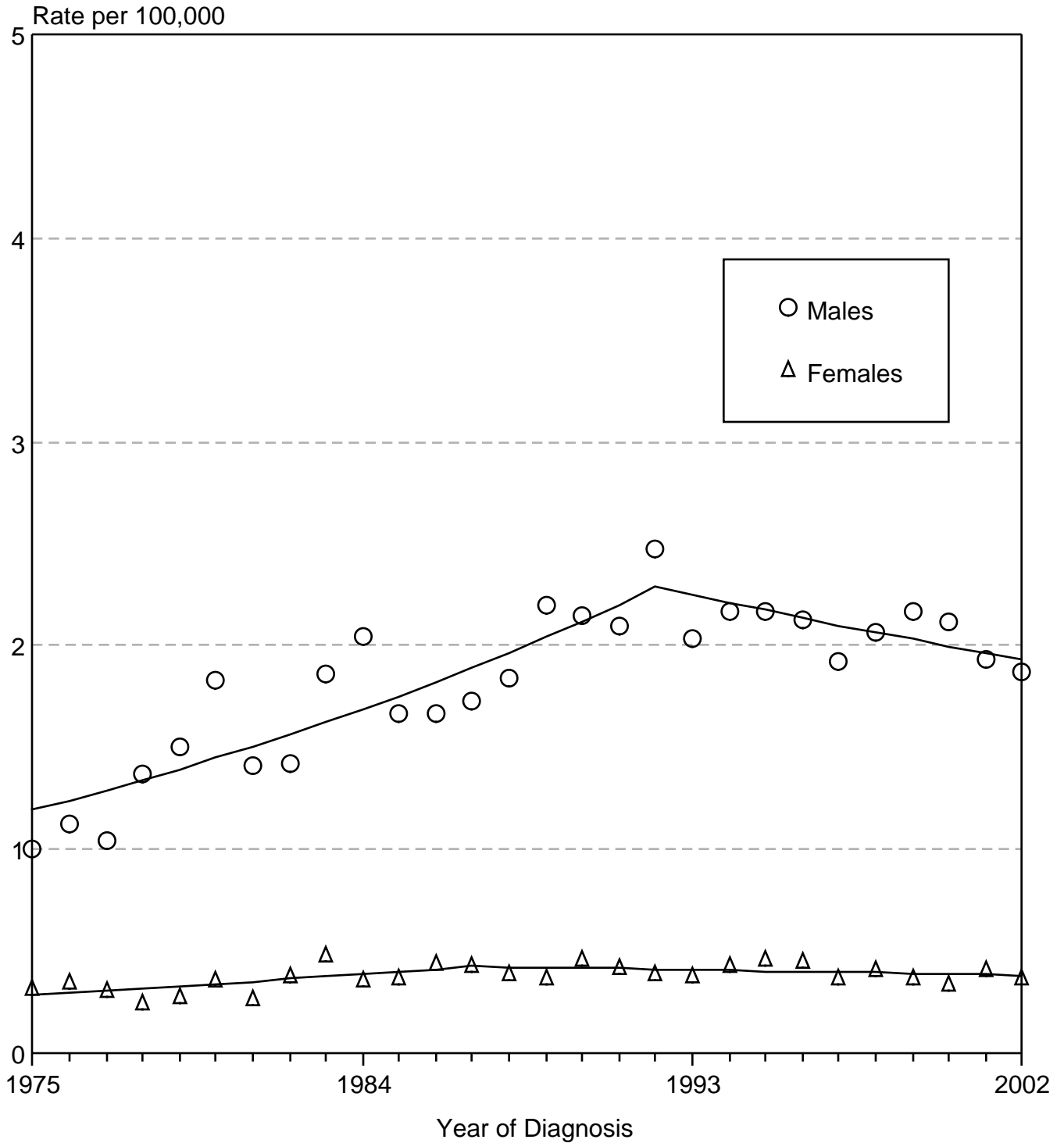
<sup>f</sup> Percentages are age-adjusted to the 2000 US standard population by 5-year age groups.

<sup>g h i</sup> (g) Cases diagnosed more than 27 years ago were estimated using the completeness index method (Capocaccia et. al. 1997, Merrill et. al. 2000). (h) Complete prevalence is obtained by summing 0 to <27 and >=27. (i) Age-specific completeness index was approximated using empirical data from historical Connecticut tumor registry.

- Statistic not shown. Statistic based on fewer than 5 cases estimated alive in SEER for the time interval.

+ Not available.

# Mesothelioma SEER Incidence, 1975-2002 All Races, By Sex



Source: SEER 9 areas. Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines are calculated using the Joinpoint Regression Program Version 3.0, April 2005, National Cancer Institute.