

Table XIX-1
ORAL CAVITY AND PHARYNX CANCER (Invasive)

TRENDS IN SEER INCIDENCE^a AND U.S. MORTALITY^b USING THE JOINPOINT REGRESSION PROGRAM, 1975-2000
WITH UP TO THREE JOINPOINTS BY RACE AND SEX

		<u>Joinpoint Segment 1</u>		<u>Joinpoint Segment 2</u>		<u>Joinpoint Segment 3</u>		<u>Joinpoint Segment 4</u>	
		Year	APC	Year	APC	Year	APC	Year	APC
<u>SEER Cancer Incidence^a</u>									
All Races	Male and Female	1975-1993	-0.5 ^c	1993-2000	-2.5 ^c				
All Races	Male	1975-1993	-0.7 ^c	1993-2000	-2.8 ^c				
All Races	Female	1975-1980	2.7 ^c	1980-2000	-1.0 ^c				
White	Male and Female	1975-1993	-0.5 ^c	1993-2000	-2.3 ^c				
White	Male	1975-1993	-0.8 ^c	1993-2000	-2.7 ^c				
White	Female	1975-1981	2.1 ^c	1981-2000	-1.0 ^c				
Black	Male and Female	1975-1979	7.0	1979-1994	-0.9 ^c	1994-2000	-4.9 ^c		
Black	Male	1975-1987	1.8 ^c	1987-2000	-2.7 ^c				
Black	Female	1975-2000	-1.7 ^c						
<u>U.S. Cancer Mortality^b</u>									
All Races	Male and Female	1975-1993	-1.6 ^c	1993-2000	-2.9 ^c				
All Races	Male	1975-1993	-1.9 ^c	1993-2000	-3.1 ^c				
All Races	Female	1975-1991	-1.0 ^c	1991-2000	-2.6 ^c				
White	Male and Female	1975-1998	-1.8 ^c	1998-2000	-5.0 ^c				
White	Male	1975-2000	-2.2 ^c						
White	Female	1975-1991	-1.1 ^c	1991-2000	-2.5 ^c				
Black	Male and Female	1975-1980	3.2 ^c	1980-1993	-1.4 ^c	1993-2000	-4.2 ^c		
Black	Male	1975-1980	3.8 ^c	1980-1993	-1.4 ^c	1993-2000	-4.4 ^c		
Black	Female	1975-1991	-0.3	1991-2000	-3.3 ^c				

The APC is the Annual Percent Change based on rates age-adjusted to the 2000 U.S. standard population by 5-year age groups using the Joinpoint Regression Program.

^a Trends are from the SEER 9 areas.

^b Trends are from the NCHS public use data file.

^c The APC is significantly different from zero (p<.05).

Table XIX-2
 ORAL CAVITY AND PHARYNX CANCER (Invasive)

SEER INCIDENCE RATES, AGE-ADJUSTED AND AGE-SPECIFIC RATES^a, 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	13.2	21.2	7.1	13.3	21.7	6.9	13.4	20.2	8.3
1976	13.3	21.0	7.4	13.2	21.0	7.4	15.1	23.8	8.2
1977	12.7	20.1	7.0	12.6	19.8	7.0	14.5	23.9	6.8
1978	13.4	20.9	7.7	13.2	20.8	7.6	15.8	25.8	8.1
1979	14.0	21.9	8.0	13.7	21.6	7.7	18.5	28.2	10.8
1980	13.3	20.3	7.9	13.0	20.0	7.6	16.8	25.1	9.8
1981	13.6	20.8	7.9	13.4	20.5	7.9	16.7	28.2	7.5
1982	13.3	20.3	7.9	13.1	19.9	7.8	17.1	27.4	8.9
1983	13.3	21.3	7.2	13.3	21.3	7.3	16.1	26.0	8.3
1984	13.5	20.9	7.9	13.0	20.2	7.6	19.0	30.2	10.1
1985	13.4	20.0	8.2	13.3	19.7	8.3	16.0	25.8	8.5
1986	12.7	19.5	7.2	12.6	19.3	7.3	16.2	28.2	6.9
1987	13.4	21.0	7.5	13.3	20.6	7.7	16.8	30.2	6.8
1988	12.4	18.6	7.3	12.0	18.2	7.1	16.6	25.7	9.2
1989	12.4	18.9	7.2	12.1	18.3	7.3	16.0	27.7	7.0
1990	12.9	20.0	7.3	12.7	19.5	7.4	16.2	28.2	6.9
1991	12.5	19.1	7.2	12.5	18.9	7.3	14.8	24.3	7.4
1992	12.2	18.8	6.9	12.1	18.5	6.9	15.2	25.6	7.1
1993	12.7	19.2	7.3	12.5	18.8	7.2	15.9	25.6	8.1
1994	11.9	18.2	6.8	11.6	17.3	6.9	15.9	27.0	7.1
1995	11.7	17.3	7.2	11.7	17.1	7.2	13.7	22.7	6.8
1996	11.9	17.9	7.0	11.5	17.3	6.8	15.3	25.0	7.7
1997	11.5	17.4	6.7	11.5	17.2	6.8	11.7	18.8	6.2
1998	11.2	16.6	6.7	11.2	16.3	6.8	13.1	22.3	6.3
1999	10.4	15.4	6.3	10.3	15.2	6.2	11.6	19.9	5.6
2000	10.6	15.9	6.2	10.5	15.3	6.3	11.6	20.7	4.8
<u>AGE-ADJUSTED RATES, 1996-2000</u>									
AGE AT DIAGNOSIS:									
All ages	11.1	16.6	6.6	11.0	16.3	6.6	12.6	21.3	6.1
Under 65	6.6	9.7	3.7	6.3	9.2	3.5	9.0	14.7	4.3
65 and over	42.4	64.5	27.0	43.4	65.2	28.3	37.4	66.9	18.5
All ages (world std.) ^b	7.9	11.7	4.6	7.8	11.4	4.6	9.6	16.0	4.6
<u>AGE-SPECIFIC RATES, 1996-2000</u>									
AGE AT DIAGNOSIS:									
<1	-	-	-	-	-	-	-	-	-
1-4	-	-	-	-	-	-	-	-	-
5-9	-	-	-	-	-	-	-	-	-
10-14	0.3	-	-	-	-	-	-	-	-
15-19	0.4	-	-	-	-	-	-	-	-
20-24	0.7	-	0.8	0.6	-	-	-	-	-
25-29	1.1	1.2	1.1	1.1	1.0	1.1	-	-	-
30-34	2.0	2.5	1.4	1.7	2.3	1.1	-	-	-
35-39	3.3	4.5	2.1	2.9	4.1	1.8	3.5	4.8	-
40-44	6.4	9.0	3.9	5.7	8.1	3.3	9.6	13.6	6.1
45-49	12.0	18.4	5.8	11.0	17.1	4.9	18.0	29.5	8.2
50-54	19.4	29.6	9.6	18.4	27.8	9.1	29.3	52.0	10.0
55-59	26.3	39.3	14.0	26.2	38.6	14.1	34.8	54.9	17.9
60-64	33.1	49.2	18.5	32.9	47.8	18.9	44.2	74.6	19.9
65-69	40.6	60.4	23.7	41.3	59.4	25.5	46.0	81.1	19.6
70-74	42.7	63.6	26.5	43.7	64.2	27.4	40.3	65.8	23.1
75-79	43.7	65.4	28.4	44.8	66.1	29.9	44.0	79.9	21.4
80-84	44.3	69.6	29.2	46.4	73.0	30.7	21.8	-	-
85+	40.9	68.0	29.7	41.7	69.7	30.5	-	-	-

^a SEER 9 areas. Rates are per 100,000 and are age-adjusted to the 2000 U.S. standard population by 5-year age groups, unless noted.

^b SEER 9 areas. Rates are per 100,000 and are age-adjusted to the world standard population.

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

Table XIX-3
 ORAL CAVITY AND PHARYNX CANCER (Invasive)

U.S. DEATH RATES, AGE-ADJUSTED AND AGE-SPECIFIC RATES^a, BY RACE AND SEX

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>AGE-ADJUSTED RATES</u>									
YEAR OF DEATH:									
1975	4.3	6.9	2.3	4.1	6.6	2.3	5.8	9.9	2.5
1976	4.2	6.9	2.2	4.0	6.6	2.2	6.1	10.6	2.6
1977	4.3	7.0	2.3	4.1	6.7	2.2	6.2	10.9	2.6
1978	4.2	6.8	2.3	4.0	6.4	2.2	6.1	10.7	2.7
1979	4.2	6.7	2.4	4.0	6.3	2.3	6.6	11.5	3.0
1980	4.2	6.7	2.3	3.9	6.1	2.2	7.0	12.5	2.8
1981	4.1	6.5	2.2	3.8	6.0	2.2	6.5	11.4	2.8
1982	4.0	6.5	2.2	3.7	6.0	2.1	6.6	11.5	2.9
1983	3.9	6.3	2.2	3.6	5.7	2.1	6.6	11.8	2.8
1984	3.9	6.2	2.2	3.6	5.6	2.1	6.4	11.7	2.4
1985	3.8	5.9	2.1	3.5	5.4	2.0	6.2	11.0	2.6
1986	3.7	5.8	2.2	3.4	5.3	2.1	6.5	11.4	2.9
1987	3.5	5.5	2.1	3.3	5.0	2.0	5.7	10.0	2.5
1988	3.6	5.6	2.0	3.3	5.1	2.0	6.0	10.7	2.5
1989	3.5	5.3	2.1	3.2	4.8	2.0	5.9	10.4	2.6
1990	3.6	5.6	2.0	3.3	5.1	2.0	6.1	11.0	2.5
1991	3.5	5.3	2.0	3.2	4.9	2.0	5.8	10.1	2.7
1992	3.3	5.1	1.9	3.1	4.7	1.9	5.6	10.0	2.3
1993	3.3	5.2	1.9	3.1	4.7	1.8	5.7	10.1	2.4
1994	3.2	4.8	1.8	2.9	4.4	1.8	5.3	9.3	2.4
1995	3.2	4.9	1.8	2.9	4.4	1.8	5.4	9.3	2.5
1996	3.0	4.6	1.8	2.8	4.2	1.7	4.9	8.7	2.1
1997	3.0	4.5	1.8	2.8	4.2	1.7	4.7	8.1	2.2
1998	3.0	4.5	1.7	2.8	4.2	1.7	4.5	7.9	2.1
1999	2.7	4.1	1.6	2.5	3.8	1.5	4.4	7.5	2.1
2000	2.7	4.1	1.6	2.5	3.7	1.6	4.1	7.4	1.8
<u>AGE-ADJUSTED RATES, 1996-2000</u>									
AGE AT DEATH:									
All ages	2.9	4.4	1.7	2.7	4.0	1.6	4.5	7.9	2.0
Under 65	1.4	2.1	0.6	1.2	1.8	0.6	2.8	4.9	1.1
65 and over	13.4	20.1	8.9	13.3	19.5	9.0	16.2	28.6	8.6
All ages (world std.) ^b	1.9	2.9	1.0	1.8	2.6	1.0	3.3	5.7	1.4
<u>AGE-SPECIFIC RATES, 1996-2000</u>									
AGE AT DEATH:									
<1	-	-	-	-	-	-	-	-	-
1-4	-	-	-	-	-	-	-	-	-
5-9	-	-	-	-	-	-	-	-	-
10-14	-	-	-	-	-	-	-	-	-
15-19	0.0	0.1	-	0.0	-	-	-	-	-
20-24	0.1	0.1	0.1	0.1	0.1	-	-	-	-
25-29	0.1	0.1	0.1	0.1	0.1	0.1	-	-	-
30-34	0.2	0.2	0.1	0.1	0.2	0.1	0.2	-	-
35-39	0.4	0.6	0.3	0.3	0.5	0.2	0.7	1.1	0.4
40-44	1.0	1.5	0.5	0.8	1.2	0.4	2.0	3.1	1.0
45-49	2.3	3.6	1.0	1.8	2.8	0.8	5.4	9.4	2.0
50-54	3.8	6.0	1.6	3.2	4.9	1.4	9.0	16.0	3.1
55-59	6.2	9.9	2.8	5.5	8.5	2.5	13.3	23.4	5.2
60-64	8.6	13.5	4.2	8.0	12.3	4.0	15.2	27.0	6.0
65-69	10.6	16.4	5.7	10.1	15.5	5.5	16.2	27.7	7.7
70-74	12.2	18.8	7.1	11.8	17.8	7.1	17.8	32.0	8.4
75-79	13.3	19.8	8.7	13.1	19.2	8.9	15.9	29.3	7.9
80-84	15.6	22.5	11.6	15.8	22.4	11.9	14.2	25.1	8.8
85+	20.1	28.8	16.6	20.5	29.1	17.1	15.8	26.6	11.7

^a NCHS public use data file. Rates are per 100,000 and are age-adjusted to the 2000 U.S. standard population by 5-year age groups, unless noted.

^b NCHS public use data file. Rates are per 100,000 and are age-adjusted to the world standard population.

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

Table XIX-4
 ORAL CAVITY AND PHARYNX 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:									
1960-1963 ^a	-	-	-	45	-	-	-	-	-
1970-1973 ^a	-	-	-	43	-	-	-	-	-
1974-1976 ^b	53.5	52.5	55.6	55.1	54.7	56.0	36.3	31.6	45.4
1977-1979 ^b	52.9	51.7	55.5	54.8	54.2	56.2	36.8	30.9	49.2
1980-1982 ^b	53.0	51.4	56.2	55.7	54.6	57.8	31.1	26.5	42.5
1983-1985 ^b	53.3	51.7	56.5	55.4	54.5	57.2	35.2	29.9	47.7
1986-1988 ^b	53.1	49.5	60.9	55.4	52.2	62.2	34.7	29.4	48.9
1989-1991 ^b	53.2	49.4	61.4	55.5	52.2	62.5	32.8	28.2	44.8
1992-1999 ^b	57.2 ^c	55.7 ^c	60.4 ^c	59.7 ^c	58.9 ^c	61.2 ^c	36.1	30.7	50.6
1992-1999 ^b									
ALL STAGES	57.2	55.7	60.4	59.7	58.9	61.2	36.1	30.7	50.6
LOCALIZED	82.1	81.8	82.8	82.7	82.7	82.6	68.8	62.7	77.7
REGIONAL	47.9	47.9	48.0	49.9	50.3	48.8	30.6	28.0	39.1
DISTANT	26.1	24.2	30.7	26.7	25.7	29.0	21.5	16.1	34.9 ^d
UNSTAGED	42.8	40.3	49.1	45.2	44.1	48.0	26.2	19.5	51.0 ^d
<u>STAGE DISTRIBUTION (%) 1992-1999^b</u>									
ALL STAGES									
Number of cases	17,845	12,203	5,642	14,490	9,833	4,657	1,946	1,428	518
Percent	100%	100%	100%	100%	100%	100%	100%	100%	100%
LOCALIZED	34	32	39	37	35	41	19	15	28
REGIONAL	48	50	45	46	47	43	57	60	51
DISTANT	9	10	8	9	9	8	15	15	13
UNSTAGED	9	9	8	9	9	8	10	10	8
<u>5-YR RELATIVE SURVIVAL RATES, 1992-1999^b</u>									
AGE AT DIAGNOSIS:									
<45	69.3	63.7	81.3	72.1	67.1	83.1	48.0	38.4	70.5
45-54	59.6	57.5	66.2	64.9	63.0	71.1	33.6	30.6	44.7 ^d
55-64	56.1	54.0	61.4	59.5	57.8	64.1	34.5	29.9	48.0 ^d
65-74	54.6	53.7	56.3	56.3	55.8	57.3	31.8	27.2	41.3 ^d
75+	47.9	50.2	45.3	49.2	52.8	45.3	30.8 ^d	19.2 ^d	46.7 ^e
Under 65	60.5	57.4	68.4	64.1	61.6	71.0	37.4	32.0	53.5
65 and over	52.3	52.7	51.6	53.8	54.9	52.0	31.6	25.6	43.2 ^d

^a Rates are based on End Results data from a series of hospital registries and one population-based registry.
^b Rates are from the SEER 9 areas. 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 into 2000.
^c The difference in rates between 1974-1976 and 1992-1999 is statistically significant (p<.05).
^d The standard error of the survival rate is between 5 and 10 percentage points.
^e The standard error of the survival rate is greater than 10 percentage points.
 - Statistic could not be calculated.

Table XIX-5
ORAL CAVITY AND PHARYNX CANCER (Invasive)

INCIDENCE, DEATH, AND SURVIVAL RATES^c

By Year of Diagnosis/Death

All Races, Males and Females

Year of Diagnosis/Death

	1975- 1979	1980- 1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Incidence																		
SEER ^a	13.3	13.4	13.4	12.7	13.4	12.4	12.4	12.9	12.5	12.2	12.7	11.9	11.7	11.9	11.5	11.2	10.4	10.6
Mortality																		
U.S. ^b	4.3	4.0	3.8	3.7	3.5	3.6	3.5	3.6	3.5	3.3	3.3	3.2	3.2	3.0	3.0	3.0	2.7	2.7
SEER ^a	4.3	4.1	3.8	4.0	3.5	3.4	3.7	3.5	3.5	3.3	3.2	3.2	3.0	2.7	3.0	2.7	2.7	2.4
Relative Survival Rates (SEER ^a)																		
1-year	80.3	80.1	81.7	80.2	80.7	81.6	79.2	81.2	80.9	79.6	81.6	83.0	82.9	81.9	83.9	81.2	83.9	
2-year	66.3	66.4	68.3	66.5	67.7	66.4	66.7	68.4	67.6	68.2	68.2	70.7	71.3	70.1	71.3	70.0		
3-year	60.0	59.9	61.0	60.5	61.2	58.7	59.8	61.3	60.4	60.7	62.0	65.2	65.3	63.6	66.4			
4-year	56.0	55.9	57.4	57.0	57.9	53.8	55.2	58.1	55.7	56.1	57.8	61.1	61.7	59.9				
5-year	53.1	52.9	54.4	54.0	54.5	50.7	51.8	55.2	52.6	53.9	55.1	58.5	58.8					
6-year	50.8	50.2	52.5	51.7	52.2	47.7	49.0	53.1	50.0	51.7	53.0	55.7						
7-year	48.7	48.1	50.0	49.7	49.9	44.7	46.4	51.0	47.9	49.1	50.8							
8-year	46.6	46.6	48.7	47.9	47.0	42.6	45.0	49.4	46.7	47.1								
9-year	44.8	44.8	46.8	45.8	45.3	41.0	43.4	46.6	45.0									
10-year	42.9	43.1	45.5	44.0	44.0	39.7	41.4	44.9										
11-year	41.0	41.7	44.6	43.0	42.9	37.9	40.4											
12-year	39.7	40.4	43.0	41.9	41.4	36.4												
13-year	38.5	38.8	41.7	40.7	39.4													
14-year	37.5	37.9	40.3	39.9														
15-year	36.2	36.4	39.1															
16-year	34.9	35.3																
17-year	34.2																	
18-year	33.3																	
19-year	32.8																	
20-year	31.9																	

^a Rates are from the SEER 9 areas.

^b Rates are from the NCHS public use data file.

^c Incidence and death rates are per 100,000 and are age-adjusted to the 2000 U.S. standard population by 5-year age groups. Survival rates are relative rates expressed as percents.

Table XIX-6
 ORAL CAVITY AND PHARYNX CANCER (Invasive)

INCIDENCE, DEATH, AND SURVIVAL RATES^c

By Year of Diagnosis/Death

All Races, Males

Year of Diagnosis/Death

	1975- 1979	1980- 1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	
Incidence																			
SEER ^a	21.0	20.7	20.0	19.5	21.0	18.6	18.9	20.0	19.1	18.8	19.2	18.2	17.3	17.9	17.4	16.6	15.4	15.9	
Mortality																			
U.S. ^b	6.9	6.4	5.9	5.8	5.5	5.6	5.3	5.6	5.3	5.1	5.2	4.8	4.9	4.6	4.5	4.5	4.1	4.1	
SEER ^a	6.8	6.4	5.8	6.1	5.3	5.3	5.4	5.4	5.5	4.8	4.7	4.7	4.5	4.1	4.5	4.0	3.9	3.6	
Relative Survival Rates (SEER ^a)																			
1-year	79.7	79.6	82.0	78.5	80.0	80.4	77.5	80.1	80.1	78.5	80.3	83.0	82.6	81.8	83.2	81.0	84.3		
2-year	65.4	65.6	67.9	63.5	66.3	64.7	64.0	65.8	65.9	66.3	66.1	70.3	70.2	69.7	70.0	70.2			
3-year	59.2	58.6	60.0	56.3	59.5	56.2	56.4	58.7	57.7	58.0	59.1	63.4	64.6	62.8	65.0				
4-year	54.7	54.6	56.7	52.6	55.7	50.7	50.9	55.3	51.8	53.7	55.2	59.0	60.6	58.9					
5-year	51.7	51.2	53.1	49.0	52.0	47.1	47.2	52.3	48.5	51.4	52.4	56.8	57.8						
6-year	49.5	48.6	51.3	47.0	49.6	44.4	45.1	50.1	46.2	49.5	50.0	54.2							
7-year	47.3	46.4	48.9	45.3	47.9	41.8	42.6	47.9	43.7	46.6	47.5								
8-year	45.3	44.9	48.0	43.1	44.7	38.9	41.0	46.7	42.6	44.6									
9-year	43.5	43.2	46.2	41.3	43.2	37.1	39.0	44.0	41.1										
10-year	41.5	41.3	44.8	39.4	41.8	35.2	36.4	43.2											
11-year	39.6	39.9	44.1	39.1	40.1	33.5	35.3												
12-year	38.3	38.7	42.6	38.2	38.6	32.2													
13-year	37.3	37.4	41.3	36.8	36.9														
14-year	36.4	36.6	39.6	36.4															
15-year	35.1	35.2	38.3																
16-year	33.8	34.2																	
17-year	33.1																		
18-year	32.3																		
19-year	32.0																		
20-year	31.2																		

^a Rates are from the SEER 9 areas.

^b Rates are from the NCHS public use data file.

^c Incidence and death rates are per 100,000 and are age-adjusted to the 2000 U.S. standard population by 5-year age groups. Survival rates are relative rates expressed as percents.

Table XIX-7
 ORAL CAVITY AND PHARYNX CANCER (Invasive)

INCIDENCE, DEATH, AND SURVIVAL RATES^c

By Year of Diagnosis/Death

All Races, Females

Year of Diagnosis/Death

	1975- 1979	1980- 1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Incidence																		
SEER ^a	7.4	7.8	8.2	7.2	7.5	7.3	7.2	7.3	7.2	6.9	7.3	6.8	7.2	7.0	6.7	6.7	6.3	6.2
Mortality																		
U.S. ^b	2.3	2.2	2.1	2.2	2.1	2.0	2.1	2.0	2.0	1.9	1.9	1.8	1.8	1.8	1.8	1.7	1.6	1.6
SEER ^a	2.4	2.4	2.3	2.4	2.1	1.9	2.4	2.0	1.9	2.0	2.0	2.0	1.9	1.7	1.8	1.7	1.8	1.4
Relative Survival Rates (SEER ^a)																		
1-year	81.7	81.0	81.1	84.0	82.3	84.2	82.7	83.8	82.7	82.2	84.4	83.1	83.4	82.2	85.5	81.7	83.0	
2-year	68.3	68.0	68.9	73.3	71.0	70.0	72.4	74.3	71.3	72.2	72.8	71.7	73.5	71.0	74.3	69.6		
3-year	61.9	62.7	63.0	69.8	65.2	63.9	66.9	67.3	66.4	66.4	68.6	69.0	66.7	65.2	69.4			
4-year	59.0	58.8	58.6	66.9	62.7	60.3	64.1	64.5	64.2	61.3	63.5	65.7	64.0	62.0				
5-year	56.1	56.3	56.9	64.9	60.0	58.0	61.1	61.8	61.3	59.2	61.1	62.4	60.8					
6-year	53.6	53.6	54.9	61.8	58.1	54.4	56.9	60.0	58.3	56.5	59.8	58.9						
7-year	51.7	51.4	52.1	59.3	54.4	50.8	54.2	58.2	56.7	54.7	58.3							
8-year	49.3	50.1	49.9	58.4	52.1	50.3	53.1	55.4	55.2	52.5								
9-year	47.7	48.0	47.8	55.7	50.1	48.9	52.3	52.3	53.1									
10-year	45.8	46.7	46.8	54.0	49.0	48.7	51.4	48.6										
11-year	44.0	45.4	45.4	51.4	49.0	46.8	50.6											
12-year	42.4	43.8	43.9	49.8	47.6	44.8												
13-year	40.9	41.6	42.5	49.0	44.9													
14-year	39.8	40.5	41.6	47.1														
15-year	38.2	38.7	40.6															
16-year	37.1	37.5																
17-year	36.4																	
18-year	35.2																	
19-year	34.3																	
20-year	33.1																	

^a Rates are from the SEER 9 areas.

^b Rates are from the NCHS public use data file.

^c Incidence and death rates are per 100,000 and are age-adjusted to the 2000 U.S. standard population by 5-year age groups. Survival rates are relative rates expressed as percents.

Table XIX-8
ORAL CAVITY AND PHARYNX 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 (12 SEER Areas) With Cancer and
 Lifetime Risk (Percent) of Dying (Total U.S.) From Cancer

1998-2000

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	1.40	0.00	0.00	0.01	0.67
10	0.00	0.01	0.04	1.42	0.00	0.01	0.03	0.68
20	0.01	0.04	0.16	1.43	0.01	0.02	0.07	0.68
30	0.03	0.15	0.43	1.43	0.02	0.06	0.16	0.68
40	0.12	0.41	0.81	1.43	0.05	0.14	0.30	0.66
50	0.30	0.71	1.09	1.35	0.10	0.26	0.45	0.63
60	0.45	0.86	1.08	1.14	0.17	0.37	0.52	0.56

Lifetime Risk of Being Diagnosed = 1.40%
 Lifetime Risk of Dying = 0.39%

Lifetime Risk of Being Diagnosed = 0.67%
 Lifetime Risk of Dying = 0.20%

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	1.40	0.00	0.00	0.01	0.69
10	0.00	0.01	0.04	1.42	0.00	0.01	0.02	0.70
20	0.01	0.04	0.15	1.43	0.01	0.02	0.06	0.69
30	0.03	0.14	0.42	1.44	0.01	0.05	0.14	0.69
40	0.11	0.39	0.80	1.43	0.04	0.13	0.30	0.68
50	0.29	0.71	1.10	1.36	0.09	0.26	0.47	0.65
60	0.45	0.87	1.09	1.15	0.18	0.39	0.54	0.58

Lifetime Risk of Being Diagnosed = 1.40%
 Lifetime Risk of Dying = 0.37%

Lifetime Risk of Being Diagnosed = 0.69%
 Lifetime Risk of Dying = 0.20%

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	1.38	0.00	0.01	0.01	0.50
10	0.00	0.01	0.04	1.43	0.00	0.01	0.03	0.51
20	0.01	0.04	0.22	1.44	0.00	0.03	0.09	0.50
30	0.04	0.22	0.61	1.47	0.02	0.09	0.19	0.50
40	0.19	0.60	1.03	1.48	0.07	0.17	0.31	0.49
50	0.43	0.91	1.25	1.39	0.11	0.25	0.39	0.44
60	0.55	0.95	1.07	1.11	0.15	0.30	0.35	0.36

Lifetime Risk of Being Diagnosed = 1.38%
 Lifetime Risk of Dying = 0.54%

Lifetime Risk of Being Diagnosed = 0.50%
 Lifetime Risk of Dying = 0.19%

Table XIX-9
ORAL CAVITY AND PHARYNX CANCER (Invasive)

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

By Race/Ethnicity and Sex

Incidence^a

RACE/ETHNICITY	Rate 1996-2000			Trend 1992-2000		
	Rate per 100,000 persons			APC (%)		
	Total	Males	Females	Total	Males	Females
All Races	10.9	16.3	6.5	-2.0 ^d	-2.3 ^d	-1.5 ^d
White	10.8	16.0	6.5	-1.9 ^d	-2.2 ^d	-1.7 ^d
White Hispanic ^b	6.7	10.2	3.9	-2.8 ^d	-3.5 ^d	-1.9
White Non-Hispanic ^b	11.3	16.6	6.8	-1.9 ^d	-2.2 ^d	-1.8 ^d
Black	12.5	20.5	6.4	-3.2 ^d	-3.2 ^d	-2.6
Asian/Pacific Islander	9.2	13.2	5.8	-0.7	-0.9	0.0
Amer Ind/Alaska Nat	6.5	11.0	2.9	-7.2 ^d	-	-
Hispanic ^b	6.5	9.9	3.8	-2.6 ^d	-3.4 ^d	-1.7

Mortality^c

RACE/ETHNICITY	Rate 1996-2000			Trend 1992-2000		
	Rate per 100,000 persons			APC (%)		
	Total	Males	Females	Total	Males	Females
All Races	2.9	4.4	1.7	-2.7 ^d	-3.0 ^d	-2.5 ^d
White	2.7	4.0	1.6	-2.4 ^d	-2.7 ^d	-2.3 ^d
White Hispanic ^b	1.9	3.2	0.9	-3.1 ^d	-4.0 ^d	-1.3
White Non-Hispanic ^b	2.8	4.1	1.7	-2.2 ^d	-2.5 ^d	-2.1 ^d
Black	4.5	7.9	2.0	-4.0 ^d	-4.2 ^d	-3.1 ^d
Asian/Pacific Islander	2.4	3.7	1.4	-3.1 ^d	-2.9 ^d	-3.3
Amer Ind/Alaska Nat	2.2	3.5	1.3	-1.0	-1.8	-
Hispanic ^b	1.8	3.1	0.8	-3.0 ^d	-3.7 ^d	-1.2

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.

^a Incidence data are from the 12 SEER areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, and Alaska Native Registry).

^b 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 and Alaska Native Registry. For mortality, information is included for all states except Connecticut, Oklahoma, New York, and New Hampshire.

^c Mortality data are analyzed from a public use file provided by the National Center for Health Statistics (NCHS).

^d The APC is significantly different from zero (p<.05).

Table XIX-10
ORAL CAVITY AND PHARYNX CANCER (Invasive)

AGE-ADJUSTED SEER INCIDENCE RATES^a AND SEER DEATH RATES^b
 By Registry, Race and Sex

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>SEER INCIDENCE RATES^a, 1996-2000</u>									
REGISTRY									
12 registries	10.9	16.3	6.5	10.8	16.0	6.5	12.5	20.5	6.4
11 registries	10.9	16.2	6.5	10.8	16.0	6.5	12.5	20.5	6.4
9 registries	11.1	16.6	6.6	11.0	16.3	6.6	12.6	21.3	6.1
San Francisco-Oakland	12.3	17.6	8.0	12.6	18.0	8.2	10.6	17.5	5.4
Connecticut	10.7	15.9	6.4	10.2	15.0	6.2	14.9	26.1	6.6
Metropolitan Detroit	12.5	19.5	6.9	11.7	17.8	6.8	15.3	26.4	7.0
Hawaii	11.4	16.7	6.7	14.8	19.8	9.7	-	-	-
Iowa	10.9	17.2	5.9	10.8	17.1	5.8	-	-	-
New Mexico	9.4	14.5	5.0	9.9	15.3	5.3	-	-	-
Seattle-Puget Sound	11.1	15.8	7.0	11.4	16.2	7.2	8.5	12.1	-
Utah	8.4	12.3	5.0	8.5	12.5	5.1	-	-	-
Metropolitan Atlanta	10.6	15.9	6.4	10.5	14.9	6.7	10.7	18.6	5.2
San Jose-Monterey	10.7	15.6	6.5	10.7	15.7	6.3	-	-	-
Los Angeles	10.3	15.1	6.3	10.4	15.3	6.3	12.3	19.2	7.2
<u>SEER DEATH RATES^b, 1996-2000</u>									
REGISTRY									
12 registries	2.8	4.1	1.7	2.6	3.8	1.7	3.8	6.4	1.9
11 registries	2.8	4.1	1.7	2.6	3.8	1.7	3.8	6.5	1.9
9 registries	2.7	4.0	1.7	2.6	3.7	1.7	3.7	6.3	1.8
San Francisco-Oakland	3.2	4.5	2.2	3.1	4.1	2.2	3.7	6.3	-
Connecticut	2.5	3.6	1.6	2.3	3.4	1.5	4.0	8.0	-
Metropolitan Detroit	3.0	4.6	1.8	2.6	4.0	1.6	4.1	6.7	2.1
Hawaii	3.4	5.2	1.8	4.0	5.4	-	-	-	-
Iowa	2.3	3.6	1.3	2.3	3.6	1.3	-	-	-
New Mexico	2.5	3.5	1.7	2.6	3.6	1.8	-	-	-
Seattle-Puget Sound	2.9	4.2	1.8	3.0	4.4	1.8	-	-	-
Utah	1.7	2.6	1.0	1.7	2.6	1.0	-	-	-
Metropolitan Atlanta	2.6	3.9	1.6	2.3	3.2	1.6	3.5	6.8	-
San Jose-Monterey	2.9	3.9	2.0	2.8	3.7	2.0	-	-	-
Los Angeles	2.9	4.3	1.8	2.8	4.0	1.8	4.2	6.8	2.3

Note: San Jose-Monterey and Los Angeles are new SEER areas as of 1992 and their data are only used in tables where indicated.

^a SEER 9 areas. Incidence rates are per 100,000 and are age-adjusted to the 2000 U.S. standard population by 5-year age groups.

^b NCHS public use data file. Death rates are per 100,000 and are age-adjusted to the 2000 U.S. standard population by 5-year age groups.

- Statistic could not be calculated or populations are inadequate.

Table XIX-11
 ORAL CAVITY AND PHARYNX CANCER (Invasive)

AVERAGE ANNUAL AGE-ADJUSTED CANCER DEATH^a RATES BY STATE, 1996-2000

All Races, Males and Females

State	Rate	SE	Rank	PD	State	Rate	SE	Rank	PD
TOTAL U.S.	2.9	0.01							
High Five States									
District of Columbia	5.5 ^{bc}	0.45	(01)	89.7					
South Carolina	4.0 ^{bc}	0.15	(02)	37.9					
Louisiana	3.9 ^{bc}	0.14	(03)	34.5					
Mississippi	3.7 ^{bc}	0.17	(04)	27.6					
Alaska	3.7 ^b	0.50	(05)	27.6					
Low Five States									
Wyoming	2.4 ^b	0.33	(47)	-17.2					
Iowa	2.3 ^{bc}	0.12	(48)	-20.7					
Colorado	2.1 ^{bc}	0.11	(49)	-27.6					
Nebraska	2.0 ^{bc}	0.15	(50)	-31.0					
Utah	1.7 ^{bc}	0.15	(51)	-41.4					
Alabama	3.2	0.12	(12)	10.3	Montana	2.8	0.24	(25)	-3.4
Alaska	3.7 ^b	0.50	(05)	27.6	Nebraska	2.0 ^{bc}	0.15	(50)	-31.0
Arizona	2.5 ^c	0.10	(37)	-13.8	Nevada	2.6	0.18	(34)	-10.3
Arkansas	2.7	0.14	(29)	-6.9	New Hampshire	3.5 ^b	0.25	(06)	20.7
California	2.9	0.05	(16)	0.0	New Jersey	2.8	0.08	(24)	-3.4
Colorado	2.1 ^{bc}	0.11	(49)	-27.6	New Mexico	2.5	0.18	(38)	-13.8
Connecticut	2.5	0.12	(43)	-13.8	New York	2.7	0.05	(31)	-6.9
Delaware	2.8	0.27	(19)	-3.4	North Carolina	3.0	0.09	(15)	3.4
District of Columbia	5.5 ^{bc}	0.45	(01)	89.7	North Dakota	2.5	0.27	(39)	-13.8
Florida	3.5 ^{bc}	0.06	(07)	20.7	Ohio	2.7	0.07	(30)	-6.9
Georgia	3.2	0.10	(11)	10.3	Oklahoma	2.5	0.12	(42)	-13.8
Hawaii	3.4 ^b	0.24	(08)	17.2	Oregon	2.9	0.13	(17)	0.0
Idaho	2.6	0.21	(35)	-10.3	Pennsylvania	2.4 ^{bc}	0.06	(45)	-17.2
Illinois	2.9	0.07	(18)	0.0	Rhode Island	2.5	0.21	(40)	-13.8
Indiana	2.5 ^c	0.09	(36)	-13.8	South Carolina	4.0 ^{bc}	0.15	(02)	37.9
Iowa	2.3 ^{bc}	0.12	(48)	-20.7	South Dakota	2.6	0.26	(32)	-10.3
Kansas	2.5	0.14	(41)	-13.8	Tennessee	3.3 ^c	0.11	(09)	13.8
Kentucky	3.2	0.13	(13)	10.3	Texas	3.2 ^c	0.06	(14)	10.3
Louisiana	3.9 ^{bc}	0.14	(03)	34.5	Utah	1.7 ^{bc}	0.15	(51)	-41.4
Maine	2.7	0.20	(26)	-6.9	Vermont	2.6	0.29	(33)	-10.3
Maryland	3.3	0.12	(10)	13.8	Virginia	2.8	0.09	(22)	-3.4
Massachusetts	2.8	0.09	(20)	-3.4	Washington	2.7	0.10	(27)	-6.9
Michigan	2.7	0.08	(28)	-6.9	West Virginia	2.5	0.15	(44)	-13.8
Minnesota	2.4 ^{bc}	0.10	(46)	-17.2	Wisconsin	2.8	0.10	(21)	-3.4
Mississippi	3.7 ^{bc}	0.17	(04)	27.6	Wyoming	2.4 ^b	0.33	(47)	-17.2
Missouri	2.8	0.10	(23)	-3.4					

^a NCHS public use data file. Rates are per 100,000 and are age-adjusted to the 2000 U.S. standard population by 5-year age groups.

^b Absolute percent difference between state rate and total U.S. rate is 15% or more.

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

SE Standard error of the rate.

PD Percent difference between state rate and total U.S. rate.

Table XIX-12
 ORAL CAVITY AND PHARYNX CANCER (Invasive)

AVERAGE ANNUAL AGE-ADJUSTED CANCER DEATH^a RATES BY STATE, 1996-2000

All Races, Males

State	Rate	SE	Rank	PD	State	Rate	SE	Rank	PD
TOTAL U.S.	4.4	0.03							
High Five States									
District of Columbia	9.4 ^{bc}	0.90	(01)	113.6					
Mississippi	6.5 ^{bc}	0.34	(02)	47.7					
South Carolina	6.2 ^{bc}	0.28	(03)	40.9					
Louisiana	6.1 ^{bc}	0.27	(04)	38.6					
Maryland	5.4 ^{bc}	0.24	(05)	22.7					
Low Five States									
Nevada	3.4 ^b	0.29	(47)	-22.7					
Colorado	3.1 ^{bc}	0.21	(48)	-29.5					
Nebraska	3.1 ^{bc}	0.29	(49)	-29.5					
Utah	2.6 ^{bc}	0.29	(50)	-40.9					
Wyoming	2.4 ^{bc}	0.50	(51)	-45.5					
Alabama	5.1 ^b	0.24	(11)	15.9	Montana	4.0	0.45	(29)	-9.1
Alaska	5.2 ^b	0.87	(08)	18.2	Nebraska	3.1 ^{bc}	0.29	(49)	-29.5
Arizona	3.7 ^{bc}	0.19	(38)	-15.9	Nevada	3.4 ^b	0.29	(47)	-22.7
Arkansas	4.2	0.26	(25)	-4.5	New Hampshire	5.3 ^b	0.47	(07)	20.5
California	4.2	0.08	(23)	-4.5	New Jersey	4.2	0.15	(21)	-4.5
Colorado	3.1 ^{bc}	0.21	(48)	-29.5	New Mexico	3.5 ^b	0.32	(43)	-20.5
Connecticut	3.6 ^b	0.22	(40)	-18.2	New York	4.2	0.10	(24)	-4.5
Delaware	4.7	0.55	(15)	6.8	North Carolina	4.4	0.17	(18)	0.0
District of Columbia	9.4 ^{bc}	0.90	(01)	113.6	North Dakota	4.1	0.51	(28)	-6.8
Florida	5.3 ^{bc}	0.11	(06)	20.5	Ohio	4.2	0.13	(20)	-4.5
Georgia	5.0	0.20	(12)	13.6	Oklahoma	3.8	0.23	(36)	-13.6
Hawaii	5.2 ^b	0.43	(09)	18.2	Oregon	3.9	0.23	(34)	-11.4
Idaho	3.5 ^b	0.36	(45)	-20.5	Pennsylvania	3.8 ^c	0.11	(35)	-13.6
Illinois	4.6	0.14	(16)	4.5	Rhode Island	3.5 ^b	0.39	(46)	-20.5
Indiana	3.8	0.18	(37)	-13.6	South Carolina	6.2 ^{bc}	0.28	(03)	40.9
Iowa	3.6 ^b	0.23	(42)	-18.2	South Dakota	3.6 ^b	0.46	(41)	-18.2
Kansas	3.6 ^b	0.25	(39)	-18.2	Tennessee	5.2 ^{bc}	0.22	(10)	18.2
Kentucky	5.0	0.25	(13)	13.6	Texas	5.0 ^c	0.12	(14)	13.6
Louisiana	6.1 ^{bc}	0.27	(04)	38.6	Utah	2.6 ^{bc}	0.29	(50)	-40.9
Maine	4.2	0.38	(22)	-4.5	Vermont	4.0	0.57	(30)	-9.1
Maryland	5.4 ^{bc}	0.24	(05)	22.7	Virginia	4.5	0.19	(17)	2.3
Massachusetts	4.3	0.18	(19)	-2.3	Washington	4.0	0.19	(31)	-9.1
Michigan	3.9	0.14	(32)	-11.4	West Virginia	3.9	0.30	(33)	-11.4
Minnesota	3.5 ^{bc}	0.19	(44)	-20.5	Wisconsin	4.1	0.19	(26)	-6.8
Mississippi	6.5 ^{bc}	0.34	(02)	47.7	Wyoming	2.4 ^{bc}	0.50	(51)	-45.5
Missouri	4.1	0.19	(27)	-6.8					

^a NCHS public use data file. Rates are per 100,000 and are age-adjusted to the 2000 U.S. standard population by 5-year age groups.

^b Absolute percent difference between state rate and total U.S. rate is 15% or more.

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

SE Standard error of the rate.

PD Percent difference between state rate and total U.S. rate.

Table XIX-13
 ORAL CAVITY AND PHARYNX CANCER (Invasive)

AVERAGE ANNUAL AGE-ADJUSTED CANCER DEATH^a RATES BY STATE, 1996-2000

All Races, Females

State	Rate	SE	Rank	PD
TOTAL U.S.	1.7	0.01		
High Five States				
District of Columbia	2.4 ^b	0.39	(01)	41.2
New Hampshire	2.3 ^b	0.27	(02)	35.3
Wyoming	2.2 ^b	0.42	(03)	29.4
Alaska	2.2 ^b	0.55	(04)	29.4
Louisiana	2.2 ^{bc}	0.14	(05)	29.4
Low Five States				
Iowa	1.3 ^b	0.12	(47)	-23.5
Colorado	1.3 ^b	0.12	(48)	-23.5
North Dakota	1.2 ^b	0.25	(49)	-29.4
Nebraska	1.2 ^b	0.16	(50)	-29.4
Utah	1.0 ^{bc}	0.15	(51)	-41.2

State	Rate	SE	Rank	PD	State	Rate	SE	Rank	PD
Alabama	1.8	0.12	(19)	5.9	Montana	1.8	0.27	(15)	5.9
Alaska	2.2 ^b	0.55	(04)	29.4	Nebraska	1.2 ^b	0.16	(50)	-29.4
Arizona	1.5	0.11	(42)	-11.8	Nevada	1.8	0.21	(14)	5.9
Arkansas	1.5	0.13	(41)	-11.8	New Hampshire	2.3 ^b	0.27	(02)	35.3
California	1.9 ^c	0.05	(09)	11.8	New Jersey	1.6	0.08	(32)	-5.9
Colorado	1.3 ^b	0.12	(48)	-23.5	New Mexico	1.7	0.20	(21)	0.0
Connecticut	1.6	0.12	(36)	-5.9	New York	1.6	0.05	(35)	-5.9
Delaware	1.4 ^b	0.26	(45)	-17.6	North Carolina	1.9	0.09	(11)	11.8
District of Columbia	2.4 ^b	0.39	(01)	41.2	North Dakota	1.2 ^b	0.25	(49)	-29.4
Florida	1.9	0.06	(10)	11.8	Ohio	1.5	0.07	(37)	-11.8
Georgia	1.9	0.10	(12)	11.8	Oklahoma	1.4 ^b	0.12	(43)	-17.6
Hawaii	1.8	0.24	(16)	5.9	Oregon	2.1 ^b	0.15	(07)	23.5
Idaho	1.7	0.23	(25)	0.0	Pennsylvania	1.4 ^{bc}	0.06	(44)	-17.6
Illinois	1.5	0.07	(40)	-11.8	Rhode Island	1.8	0.23	(17)	5.9
Indiana	1.6	0.10	(33)	-5.9	South Carolina	2.1 ^b	0.14	(06)	23.5
Iowa	1.3 ^b	0.12	(47)	-23.5	South Dakota	1.8	0.29	(13)	5.9
Kansas	1.6	0.14	(34)	-5.9	Tennessee	1.9	0.11	(08)	11.8
Kentucky	1.7	0.12	(20)	0.0	Texas	1.7	0.06	(24)	0.0
Louisiana	2.2 ^{bc}	0.14	(05)	29.4	Utah	1.0 ^{bc}	0.15	(51)	-41.2
Maine	1.6	0.20	(29)	-5.9	Vermont	1.6	0.31	(30)	-5.9
Maryland	1.7	0.11	(26)	0.0	Virginia	1.5	0.09	(38)	-11.8
Massachusetts	1.7	0.09	(27)	0.0	Washington	1.7	0.11	(28)	0.0
Michigan	1.7	0.08	(23)	0.0	West Virginia	1.4 ^b	0.15	(46)	-17.6
Minnesota	1.5	0.11	(39)	-11.8	Wisconsin	1.8	0.11	(18)	5.9
Mississippi	1.6	0.14	(31)	-5.9	Wyoming	2.2 ^b	0.42	(03)	29.4
Missouri	1.7	0.10	(22)	0.0					

^a NCHS public use data file. Rates are per 100,000 and are age-adjusted to the 2000 U.S. standard population by 5-year age groups.

^b Absolute percent difference between state rate and total U.S. rate is 15% or more.

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

SE Standard error of the rate.

PD Percent difference between state rate and total U.S. rate.

Table XIX-14
ORAL CAVITY AND PHARYNX CANCER (Invasive)

Estimated United States Cancer Prevalence Counts^a on January 1, 2000
 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 <10	0 to <25	>=25 ^f	Complete ^g
<u>Race/Sex</u>									
All Races ^b	82,193	50,625	33,074	21,741	14,560	132,818	202,193	19,215	221,408
Males	54,722	32,620	20,158	13,452	8,912	87,342	129,864	13,071	142,935
Females	27,471	18,005	12,916	8,289	5,648	45,476	72,329	6,144	78,473
White ^b	70,799	44,761	29,625	19,704	13,016	115,560	177,905	15,772	193,677
Males	47,443	29,030	18,245	12,421	8,158	76,473	115,297	10,628	125,925
Females	23,356	15,731	11,380	7,283	4,858	39,087	62,608	5,144	67,752
Black ^b	7,237	3,704	2,238	1,246	914	10,941	15,339	+	+
Males	4,752	2,214	1,231	604	361	6,966	9,162	380	9,542
Females	2,485	1,490	1,007	642	553	3,975	6,177	+	+
Asian/Pacific Islander ^c	2,573	1,345	+	+	+	3,918	+	+	+
Males	1,658	863	+	+	+	2,521	+	+	+
Females	915	482	+	+	+	1,397	+	+	+
Hispanic ^d	3,096	1,737	+	+	+	4,833	+	+	+
Males	2,060	996	+	+	+	3,056	+	+	+
Females	1,036	741	+	+	+	1,777	+	+	+

Estimated prevalence percent^a on January 1, 2000, 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 ^e
	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 ^c	0.0427%	-	0.0016%	0.0048%	0.0124%	0.0369%	0.0905%	0.1570%	0.1857%	0.1713%	0.0467%
Males	0.0567%	-	0.0016%	0.0046%	0.0143%	0.0515%	0.1330%	0.2293%	0.2770%	0.2672%	0.0679%
Females	0.0291%	-	0.0015%	0.0049%	0.0105%	0.0225%	0.0501%	0.0932%	0.1177%	0.1214%	0.0293%
White ^c	0.0451%	-	0.0016%	0.0044%	0.0112%	0.0339%	0.0903%	0.1648%	0.1938%	0.1783%	0.0473%
Males	0.0598%	-	0.0016%	0.0043%	0.0130%	0.0474%	0.1331%	0.2391%	0.2876%	0.2841%	0.0689%
Females	0.0306%	-	0.0017%	0.0045%	0.0093%	0.0202%	0.0486%	0.0977%	0.1233%	0.1242%	0.0294%
Black ^c	0.0296%	-	-	0.0052%	0.0101%	0.0401%	0.0898%	0.1380%	0.1309%	0.0845%	0.0394%
Males	0.0397%	-	-	-	0.0118%	0.0541%	0.1336%	0.2129%	0.2114%	0.1164%	0.0582%
Females	0.0204%	-	-	-	0.0086%	0.0278%	0.0530%	0.0787%	0.0779%	0.0701%	0.0253%
Asian/Pacific Islander ^c	0.0378%	-	-	0.0062%	0.0196%	0.0517%	0.0849%	0.1100%	0.1444%	0.1345%	0.0424%
Males	0.0502%	-	-	-	0.0221%	0.0754%	0.1244%	0.1584%	0.2141%	0.1714%	0.0598%
Females	0.0263%	-	-	-	0.0173%	0.0305%	0.0500%	0.0707%	0.0916%	0.1086%	0.0279%
Hispanic ^d	0.0135%	-	-	0.0029%	0.0058%	0.0178%	0.0483%	0.0840%	0.1185%	0.1245%	0.0271%
Males	0.0165%	-	-	-	0.0060%	0.0223%	0.0710%	0.1249%	0.1797%	0.1808%	0.0389%
Females	0.0104%	-	-	-	0.0057%	0.0134%	0.0278%	0.0507%	0.0750%	0.0944%	0.0181%

^a US 2000 cancer prevalence counts are based on 2000 cancer prevalence proportions from the SEER registries and 1/1/2000 US population estimates based on the average of 1999 and 2000 population estimates from the US Bureau of the Census. Prevalence was calculated using the First Malignant Primary Only for a person.

^{b c d} Statistics based on b) SEER 9 Areas c) SEER 11 Areas d) SEER 11 Areas excluding Hawaii and Detroit.

^e Percentages are age-adjusted to the 2000 US standard population by 5-year age groups.

^{f g} (f) Cases diagnosed 25 years or more ago were estimated using the completeness index method (Capocaccia et. al. 1997, Merrill et. al. 2000). (g) Complete prevalence is obtained by summing 0 to <25 with >=25.

- Statistics not shown. Rate based on less than 25 cases estimated alive for the time interval.

+ Not available.

SEER Incidence and US Death Rates+ Oral Cavity and Pharynx Cancer, by Race and Sex

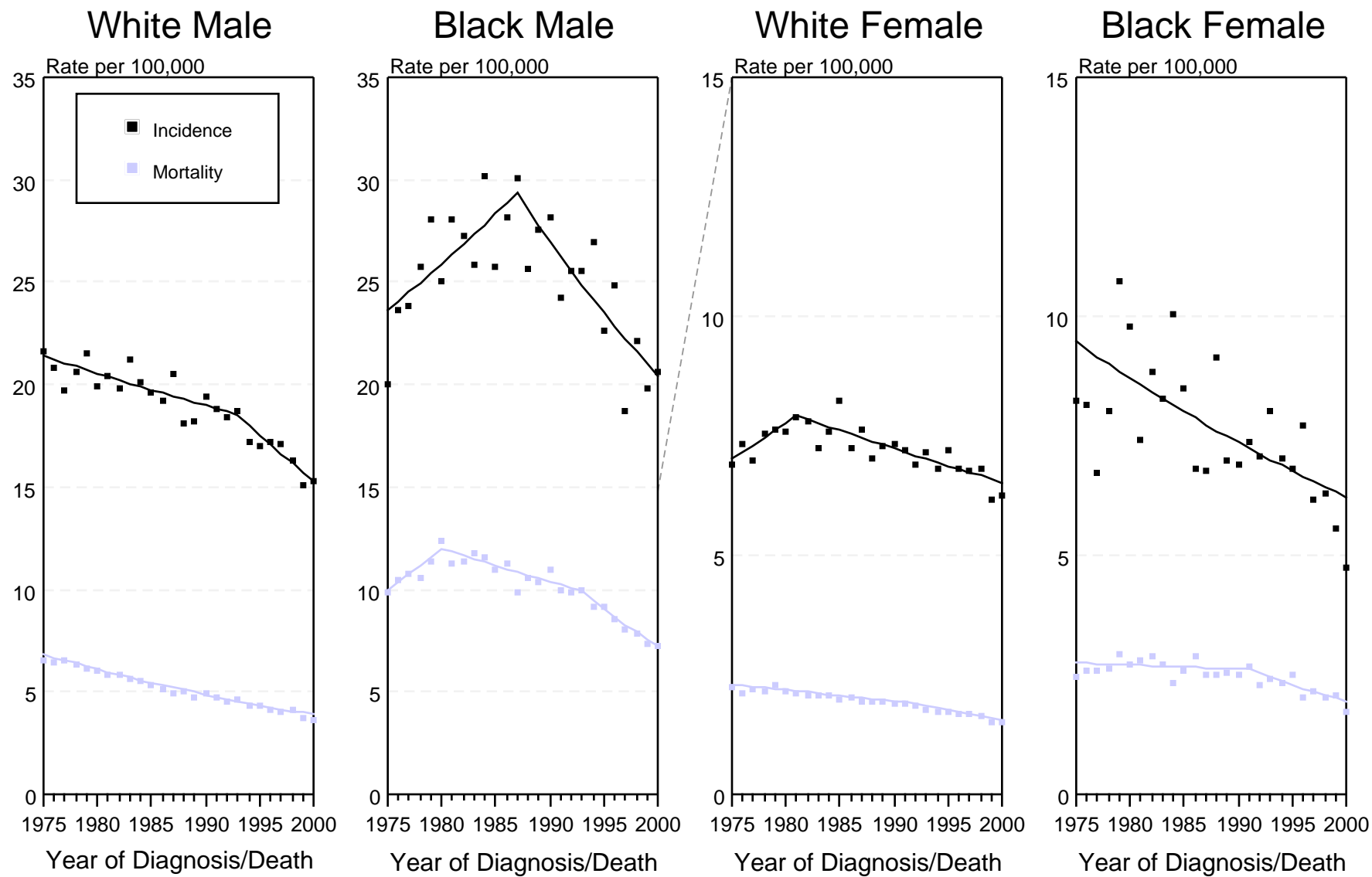


Figure XIX-1

+ Source: SEER 9 areas and NCHS public use data file. Rates are age-adjusted to the 2000 US standard million population by 5-year age groups. Regression lines are calculated using the Joinpoint Regression Program.