

Table V-1  
CERVIX UTERI CANCER (Invasive)

TRENDS IN SEER INCIDENCE<sup>a</sup> AND U.S. MORTALITY<sup>b</sup> USING THE JOINPOINT REGRESSION PROGRAM, 1975-2000  
 WITH UP TO THREE JOINPOINTS BY RACE AND AGE

		<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<sup>a</sup></u>									
All Races	All Ages	1975-1981	-4.5 <sup>c</sup>	1981-1998	-1.2 <sup>c</sup>	1998-2000	-9.3		
All Races	Under 50	1975-1981	-3.6 <sup>c</sup>	1981-1998	-0.5	1998-2000	-10.0		
All Races	50 and Over	1975-1983	-4.9 <sup>c</sup>	1983-1991	-0.9	1991-2000	-3.4 <sup>c</sup>		
White	All Ages	1975-1982	-4.8 <sup>c</sup>	1982-1990	0.4	1990-2000	-2.5 <sup>c</sup>		
White	Under 50	1975-1981	-4.7 <sup>c</sup>	1981-1989	1.5	1989-2000	-1.7 <sup>c</sup>		
White	50 and Over	1975-1985	-4.6 <sup>c</sup>	1985-1991	0.3	1991-2000	-3.9 <sup>c</sup>		
Black	All Ages	1975-2000	-3.8 <sup>c</sup>						
Black	Under 50	1975-2000	-3.2 <sup>c</sup>						
Black	50 and Over	1975-2000	-4.2 <sup>c</sup>						
<u>SEER Delay-Adjusted Incidence<sup>a</sup></u>									
White	All Ages	1975-1982	-4.8 <sup>c</sup>	1982-1990	0.4	1990-2000	-2.3 <sup>c</sup>		
Black	All Ages	1975-2000	-3.7 <sup>c</sup>						
<u>U.S. Cancer Mortality<sup>b</sup></u>									
All Races	All Ages	1975-1982	-4.4 <sup>c</sup>	1982-1996	-1.6 <sup>c</sup>	1996-2000	-3.8 <sup>c</sup>		
All Races	Under 50	1975-1981	-3.8 <sup>c</sup>	1981-1997	-0.7 <sup>c</sup>	1997-2000	-6.1 <sup>c</sup>		
All Races	50 and Over	1975-1982	-4.6 <sup>c</sup>	1982-2000	-2.3 <sup>c</sup>				
White	All Ages	1975-1983	-4.2 <sup>c</sup>	1983-1996	-1.3 <sup>c</sup>	1996-2000	-3.4 <sup>c</sup>		
White	Under 50	1975-1979	-5.0 <sup>c</sup>	1979-1998	-0.4 <sup>c</sup>	1998-2000	-7.7		
White	50 and Over	1975-1983	-4.8 <sup>c</sup>	1983-2000	-2.1 <sup>c</sup>				
Black	All Ages	1975-1981	-4.8 <sup>c</sup>	1981-1993	-2.4 <sup>c</sup>	1993-2000	-4.7 <sup>c</sup>		
Black	Under 50	1975-2000	-3.2 <sup>c</sup>						
Black	50 and Over	1975-2000	-3.2 <sup>c</sup>						

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.

<sup>a</sup> Trends are from the SEER 9 areas.

<sup>b</sup> Trends are from the NCHS public use data file.

<sup>c</sup> The APC is significantly different from zero (p<.05).

Table V-2  
CERVIX UTERI CANCER (Invasive)

SEER INCIDENCE<sup>a</sup> AND U.S. DEATH<sup>b</sup> RATES, AGE-ADJUSTED AND AGE-SPECIFIC RATES, BY RACE

	Incidence <sup>a</sup>			US Death <sup>b</sup>		
	All Races, Females	White Females	Black Females	All Races, Females	White Females	Black Females
<u>AGE-SPECIFIC RATES, 1996-2000</u>						
AGE AT DIAGNOSIS/DEATH:						
<1	-	-	-	-	-	-
1-4	-	-	-	-	-	-
5-9	-	-	-	-	-	-
10-14	-	-	-	-	-	-
15-19	-	-	-	-	-	-
20-24	1.7	1.8	-	0.2	0.2	-
25-29	6.7	7.5	5.0	0.8	0.8	0.9
30-34	11.3	11.5	12.1	1.7	1.6	2.5
35-39	13.4	13.5	12.4	2.8	2.7	4.3
40-44	14.9	13.8	20.4	3.9	3.5	6.6
45-49	16.1	14.7	23.5	4.8	4.4	7.9
50-54	13.8	12.3	15.7	5.5	5.0	9.4
55-59	14.0	12.4	22.4	5.9	5.2	11.5
60-64	15.0	12.8	23.9	6.7	5.8	13.9
65-69	14.0	11.9	27.6	7.2	6.1	16.3
70-74	12.6	11.1	27.2	7.1	6.0	17.9
75-79	13.9	11.1	36.2	7.8	6.8	18.1
80-84	13.4	10.1	35.2	8.6	7.5	21.0
85+	13.9	11.8	38.7	11.3	9.6	30.4
<u>AGE-ADJUSTED RATES, 1996-2000</u>						
AGE AT DIAGNOSIS/DEATH:						
All ages	8.7	8.0	12.7	3.0	2.7	5.9
Under 65	8.0	7.6	9.9	2.3	2.1	3.9
65 and over	13.5	11.3	31.8	8.0	6.8	19.5
All ages (world std.) <sup>c</sup>	6.9	6.4	9.4	2.2	2.0	4.2

<sup>a</sup> 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.

<sup>b</sup> 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.

<sup>c</sup> 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 V-3  
CERVIX UTERI CANCER (Invasive)

SEER INCIDENCE<sup>a</sup> AND U.S. DEATH<sup>b</sup> RATES, AGE-ADJUSTED RATES, BY RACE AND AGE

	All Races, Females			White Females			Black Females		
	All	<50	50+	All	<50	50+	All	<50	50+
<u>SEER INCIDENCE RATES</u>									
YEAR OF DIAGNOSIS:									
1975	14.8	9.7	28.2	13.3	8.9	24.8	32.8	17.3	73.4
1976	14.2	9.5	26.7	12.9	8.8	23.7	29.4	16.0	64.4
1977	13.0	8.4	25.0	11.7	7.5	22.5	28.2	15.9	60.4
1978	12.5	8.3	23.6	11.4	7.8	20.9	24.1	12.4	55.0
1979	12.7	8.7	23.4	11.0	7.6	19.8	28.8	16.0	62.4
1980	12.2	8.0	23.0	10.9	7.2	20.6	23.4	13.4	49.6
1981	10.7	7.3	19.7	9.5	6.6	17.2	23.9	13.6	50.8
1982	10.6	7.1	19.8	9.4	6.7	16.5	21.9	10.2	52.5
1983	10.5	7.3	18.8	9.6	6.8	17.0	18.8	11.9	37.0
1984	11.0	8.0	18.9	10.0	7.4	16.7	21.0	12.4	43.3
1985	10.2	7.1	18.5	9.1	6.7	15.4	18.9	9.4	43.8
1986	10.8	7.9	18.6	9.7	7.3	16.0	18.3	10.6	38.5
1987	10.0	7.1	17.6	9.0	6.9	14.6	18.8	8.7	45.1
1988	10.6	7.9	17.7	9.5	7.4	15.1	18.9	10.4	40.9
1989	10.7	7.9	18.0	10.0	7.8	15.7	15.6	8.0	35.5
1990	10.6	8.0	17.6	9.9	7.7	15.8	16.7	9.6	35.2
1991	10.0	7.0	17.9	9.2	6.8	15.6	16.1	8.9	34.9
1992	9.9	7.4	16.5	9.4	7.2	15.2	13.9	9.9	24.5
1993	9.6	7.1	16.3	9.1	7.0	14.7	13.7	8.9	26.5
1994	9.4	6.9	16.1	8.7	6.7	13.7	14.0	6.9	32.6
1995	8.8	6.7	14.3	7.9	6.4	11.7	13.5	7.8	28.5
1996	9.5	7.3	15.4	8.7	7.1	12.9	13.9	8.0	29.3
1997	9.1	7.0	14.7	8.3	6.8	12.2	13.5	8.1	27.8
1998	9.1	7.1	14.4	8.4	6.8	12.6	13.0	8.9	23.6
1999	8.1	6.4	12.6	7.6	6.4	10.8	13.1	7.8	27.0
2000	7.6	5.7	12.5	7.2	5.7	11.2	10.1	6.4	20.0
1996-2000	8.7	6.7	13.9	8.0	6.5	11.9	12.7	7.8	25.4
<u>U.S. DEATH RATES</u>									
YEAR OF DEATH:									
1975	5.6	2.4	13.9	4.7	1.9	12.1	13.3	5.7	33.3
1976	5.4	2.2	13.9	4.7	1.9	12.1	12.9	4.9	33.7
1977	5.0	2.0	12.7	4.2	1.6	11.0	12.2	5.0	31.1
1978	4.8	2.1	12.0	4.2	1.8	10.4	11.6	4.8	29.6
1979	4.6	1.9	11.6	3.9	1.6	10.2	10.6	4.5	26.7
1980	4.5	2.0	11.0	3.8	1.6	9.5	10.8	4.6	26.9
1981	4.3	1.8	10.9	3.7	1.6	9.4	9.9	3.7	26.0
1982	4.1	1.8	10.2	3.5	1.5	8.7	9.8	3.6	25.9
1983	4.0	1.8	9.9	3.4	1.5	8.4	9.8	3.9	25.2
1984	3.9	1.8	9.5	3.4	1.5	8.1	9.3	3.9	23.3
1985	3.8	1.7	9.4	3.3	1.5	7.9	9.0	3.4	23.7
1986	3.8	1.8	9.2	3.2	1.5	7.8	9.2	4.0	22.9
1987	3.6	1.7	8.6	3.1	1.5	7.4	8.2	3.6	20.3
1988	3.6	1.7	8.6	3.1	1.5	7.2	8.2	3.0	21.7
1989	3.6	1.7	8.5	3.0	1.5	7.1	8.6	3.3	22.6
1990	3.7	1.8	8.6	3.2	1.6	7.4	7.8	3.4	19.2
1991	3.5	1.7	8.2	3.0	1.5	7.0	7.6	3.2	19.4
1992	3.5	1.7	8.2	3.0	1.5	6.9	8.1	3.4	20.4
1993	3.4	1.7	8.0	2.9	1.5	6.8	7.7	3.1	19.6
1994	3.4	1.7	7.9	3.0	1.5	6.9	6.7	2.8	16.8
1995	3.2	1.6	7.5	2.8	1.5	6.4	7.0	3.0	17.5
1996	3.2	1.6	7.5	2.9	1.5	6.5	6.2	2.5	15.8
1997	3.1	1.6	7.2	2.8	1.4	6.2	6.5	2.8	16.0
1998	3.0	1.6	6.7	2.6	1.5	5.8	5.9	2.5	14.7
1999	2.8	1.4	6.7	2.6	1.3	5.8	5.4	1.9	14.6
2000	2.8	1.4	6.5	2.5	1.2	5.7	5.5	2.2	14.1
1996-2000	3.0	1.5	6.9	2.7	1.4	6.0	5.9	2.4	15.0

<sup>a</sup> 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.

<sup>b</sup> 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 V-4  
CERVIX UTERI CANCER (Invasive)

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

	All Races, Females			White Females			Black Females		
	All	<50	50+	All	<50	50+	All	<50	50+
<u>5-YR RELATIVE SURVIVAL RATES</u>									
YEAR OF DIAGNOSIS:									
1960-1963 <sup>a</sup>	-	-	-	58	-	-	47	-	-
1970-1973 <sup>a</sup>	-	-	-	64	-	-	61	-	-
1974-1976 <sup>b</sup>	69.1	81.4	58.2	69.8	82.3	58.7	63.8	75.2	54.0
1977-1979 <sup>b</sup>	68.5	78.2	59.7	69.6	80.0	60.5	62.2	71.6	52.7
1980-1982 <sup>b</sup>	67.7	79.5	56.1	68.2	80.7	55.7	61.4	72.3	51.1
1983-1985 <sup>b</sup>	68.8	78.3	57.9	70.5	80.4	58.8	60.5	69.9	50.5
1986-1988 <sup>b</sup>	69.0	78.7	56.7	71.8	81.4	58.4	55.6	63.7	47.9
1989-1991 <sup>b</sup>	70.9	78.3	60.8	72.4	80.8	60.1	62.6	66.9	57.5
1992-1999 <sup>b</sup>	71.3 <sup>c</sup>	80.0	58.5	72.9 <sup>c</sup>	82.5	57.8	61.0	64.0 <sup>c</sup>	56.9
1992-1999 <sup>b</sup>									
ALL STAGES	71.3	80.0	58.5	72.9	82.5	57.8	61.0	64.0	56.9
LOCALIZED	92.2	94.3	87.2	92.6	95.5	85.2	87.2	85.9	90.4
REGIONAL	50.9	55.4	47.2	51.8	57.8	46.6	41.4	39.1	43.7
DISTANT	16.5	23.2	12.1	17.5	26.7	11.8	11.6	15.8 <sup>d</sup>	7.6 <sup>d</sup>
UNSTAGED	56.5	71.1	41.8	59.0	74.3	42.7	50.9 <sup>d</sup>	57.1 <sup>d</sup>	44.4 <sup>d</sup>
<u>STAGE DISTRIBUTION (%) 1992-1999<sup>b</sup></u>									
ALL STAGES									
Number of cases	8,628	4,993	3,635	6,440	3,845	2,595	1,251	690	561
Percent	100%	100%	100%	100%	100%	100%	100%	100%	100%
LOCALIZED	54	66	39	56	68	40	47	55	36
REGIONAL	32	24	42	30	23	41	35	30	41
DISTANT	8	5	11	7	5	11	8	6	11
UNSTAGED	7	5	8	6	5	8	10	8	13
<u>5-YR RELATIVE SURVIVAL RATES, 1992-1999<sup>b</sup></u>									
AGE AT DIAGNOSIS:									
<45	82.4	-	-	84.6	-	-	68.1	-	-
45-54	68.1	-	-	70.1	-	-	52.3	-	-
55-64	63.4	-	-	61.8	-	-	61.1	-	-
65-74	58.7	-	-	58.6	-	-	56.4 <sup>d</sup>	-	-
75+	42.3	-	-	39.9	-	-	51.9 <sup>d</sup>	-	-
Under 65	75.5	-	-	77.3	-	-	62.9	-	-
65 and over	52.2	-	-	51.4	-	-	54.3	-	-

- <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. 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.
- <sup>c</sup> The difference in rates between 1974-1976 and 1992-1999 is statistically significant (p<.05).
- <sup>d</sup> The standard error of the survival rate is between 5 and 10 percentage points.
- <sup>e</sup> The standard error of the survival rate is greater than 10 percentage points.
- Statistic could not be calculated.

Table V-5  
CERVIX UTERI CANCER (Invasive)

INCIDENCE, DEATH, AND SURVIVAL RATES<sup>c</sup>

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 <sup>a</sup>	13.4	11.0	10.2	10.8	10.0	10.6	10.7	10.6	10.0	9.9	9.6	9.4	8.8	9.5	9.1	9.1	8.1	7.6
Mortality																		
U.S. <sup>b</sup>	5.1	4.2	3.8	3.8	3.6	3.6	3.6	3.7	3.5	3.5	3.4	3.4	3.2	3.2	3.1	3.0	2.8	2.8
SEER <sup>a</sup>	4.4	3.5	3.3	3.1	2.9	3.1	3.3	2.8	2.9	2.8	2.6	3.0	2.4	2.5	2.2	2.4	2.0	2.3
Relative Survival Rates (SEER <sup>a</sup> )																		
1-year	87.1	87.6	87.0	86.1	87.5	87.5	89.2	88.3	89.0	87.6	89.3	87.8	89.7	88.7	89.1	88.6	90.0	
2-year	78.2	77.6	76.0	76.9	77.8	79.2	80.8	79.8	79.9	78.6	79.7	80.4	81.9	81.4	80.4	81.0		
3-year	73.5	73.1	71.3	71.9	72.6	75.5	76.1	75.6	74.5	74.5	75.4	76.5	78.8	77.1	75.4			
4-year	70.8	70.2	68.7	69.1	69.6	73.6	73.1	73.4	71.2	70.8	72.7	73.8	76.0	73.9				
5-year	69.0	68.5	66.9	66.6	67.5	72.7	71.3	72.3	69.1	68.4	70.7	72.3	74.5					
6-year	67.9	66.8	66.0	66.0	66.7	70.8	70.1	70.9	67.5	67.2	70.4	70.7						
7-year	67.1	65.2	64.8	64.9	66.0	70.1	69.0	70.1	66.8	66.3	69.6							
8-year	66.4	64.1	63.8	64.0	65.8	69.3	67.8	69.2	65.8	65.6								
9-year	65.8	63.7	63.0	64.0	65.5	68.9	66.8	67.1	65.0									
10-year	64.9	63.2	62.3	63.7	65.4	68.1	66.1	65.6										
11-year	64.4	62.9	62.0	63.3	65.0	67.9	65.1											
12-year	63.9	62.2	61.2	62.9	64.5	66.9												
13-year	63.5	61.8	60.7	62.9	63.4													
14-year	63.2	61.1	60.7	62.6														
15-year	62.7	60.4	60.2															
16-year	62.4	59.9																
17-year	62.0																	
18-year	61.6																	
19-year	61.0																	
20-year	60.5																	

<sup>a</sup> Rates are from the SEER 9 areas.

<sup>b</sup> Rates are from the NCHS public use data file.

<sup>c</sup> 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 V-6  
CERVIX UTERI CANCER (Invasive)

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

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	+10 yrs	+20 yrs	+30 yrs	Eventually
0	0.00	0.00	0.04	0.79
10	0.00	0.04	0.16	0.80
20	0.04	0.16	0.32	0.80
30	0.12	0.28	0.43	0.76
40	0.16	0.31	0.46	0.65
50	0.15	0.30	0.41	0.50
60	0.16	0.27	0.34	0.36

Lifetime Risk of Being Diagnosed = 0.79%  
 Lifetime Risk of Dying = 0.27%

Whites

Current Age	+10 yrs	+20 yrs	+30 yrs	Eventually
0	0.00	0.00	0.04	0.75
10	0.00	0.05	0.17	0.76
20	0.04	0.17	0.33	0.76
30	0.13	0.28	0.43	0.72
40	0.16	0.30	0.44	0.60
50	0.15	0.29	0.38	0.45
60	0.15	0.24	0.30	0.32

Lifetime Risk of Being Diagnosed = 0.75%  
 Lifetime Risk of Dying = 0.24%

Blacks

Current Age	+10 yrs	+20 yrs	+30 yrs	Eventually
0	0.00	0.00	0.03	0.97
10	0.00	0.03	0.15	1.00
20	0.03	0.15	0.34	1.00
30	0.12	0.31	0.46	0.98
40	0.20	0.35	0.55	0.88
50	0.16	0.36	0.55	0.71
60	0.22	0.42	0.54	0.60

Lifetime Risk of Being Diagnosed = 0.97%  
 Lifetime Risk of Dying = 0.50%

Table V-7  
CERVIX UTERI CANCER (Invasive)

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

By Race/Ethnicity and Sex

Incidence<sup>a</sup>

RACE/ETHNICITY	Rate 1996-2000	Trend 1992-2000
	Rate per 100,000 persons	APC (%)
	<u>Females</u>	<u>Females</u>
All Races	9.6	-2.5 <sup>d</sup>
White	9.2	-2.1 <sup>d</sup>
White Hispanic <sup>b</sup>	17.5	-3.1 <sup>d</sup>
White Non-Hispanic <sup>b</sup>	7.6	-2.4 <sup>d</sup>
Black	12.4	-2.7 <sup>d</sup>
Asian/Pacific Islander	10.2	-5.4 <sup>d</sup>
Amer Ind/Alaska Nat	6.9	-6.4
Hispanic <sup>b</sup>	16.8	-3.0 <sup>d</sup>

Mortality<sup>c</sup>

RACE/ETHNICITY	Rate 1996-2000	Trend 1992-2000
	Rate per 100,000 persons	APC (%)
	<u>Females</u>	<u>Females</u>
All Races	3.0	-2.9 <sup>d</sup>
White	2.7	-2.4 <sup>d</sup>
White Hispanic <sup>b</sup>	3.8	-3.0 <sup>d</sup>
White Non-Hispanic <sup>b</sup>	2.6	-2.4 <sup>d</sup>
Black	5.9	-4.8 <sup>d</sup>
Asian/Pacific Islander	2.9	-2.3 <sup>d</sup>
Amer Ind/Alaska Nat	2.9	-6.6 <sup>d</sup>
Hispanic <sup>b</sup>	3.7	-2.8 <sup>d</sup>

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> 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).

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

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

<sup>d</sup> The APC is significantly different from zero (p<.05).

Table V-8  
CERVIX UTERI CANCER (Invasive)AGE-ADJUSTED SEER INCIDENCE RATES<sup>a</sup> AND SEER DEATH RATES<sup>b</sup>  
By Registry, Race and Age

	All Races, Females			White Females			Black Females		
	All	<50	50+	All	<50	50+	All	<50	50+
<u>SEER INCIDENCE RATES<sup>a</sup>, 1996-2000</u>									
REGISTRY									
12 registries	9.6	7.2	15.9	9.2	7.3	14.2	12.4	7.7	24.7
11 registries	9.6	7.2	15.9	9.2	7.3	14.2	12.4	7.7	24.7
9 registries	8.7	6.7	13.9	8.0	6.5	11.9	12.7	7.8	25.4
San Francisco-Oakland	8.3	6.3	13.2	7.7	6.4	11.1	10.2	7.9	16.2
Connecticut	8.3	6.1	14.0	7.9	5.9	13.3	12.1	7.5	24.0
Metropolitan Detroit	10.1	7.3	17.6	8.5	6.4	14.0	15.1	9.4	30.2
Hawaii	10.1	7.6	16.8	10.5	9.2	13.8	-	-	-
Iowa	9.1	7.9	12.1	8.9	7.8	11.8	-	-	-
New Mexico	9.2	6.9	15.0	8.9	7.0	14.1	-	-	-
Seattle-Puget Sound	7.2	6.2	9.8	6.8	6.2	8.4	8.5	-	-
Utah	7.0	6.2	9.1	7.0	6.3	9.0	-	-	-
Metropolitan Atlanta	10.0	6.6	18.8	8.8	6.6	14.4	12.2	6.4	27.5
San Jose-Monterey	9.2	6.5	16.2	8.8	6.7	14.5	-	-	-
Los Angeles	12.7	8.9	22.5	13.2	9.9	22.1	11.9	7.4	23.8
<u>SEER DEATH RATES<sup>b</sup>, 1996-2000</u>									
REGISTRY									
12 registries	2.6	1.2	6.2	2.4	1.2	5.6	4.6	2.0	11.3
11 registries	2.6	1.2	6.2	2.4	1.2	5.6	4.6	2.0	11.4
9 registries	2.3	1.1	5.4	2.1	1.0	4.9	4.2	1.7	10.5
San Francisco-Oakland	2.0	1.0	4.6	1.7	0.9	3.7	4.4	-	9.9
Connecticut	2.1	1.0	4.9	1.9	0.9	4.5	4.8	-	-
Metropolitan Detroit	2.7	1.3	6.4	2.3	1.1	5.4	4.3	1.9	10.5
Hawaii	2.0	-	4.6	-	-	-	-	-	-
Iowa	2.4	1.3	5.3	2.4	1.3	5.2	-	-	-
New Mexico	2.6	1.1	6.4	2.4	1.0	6.2	-	-	-
Seattle-Puget Sound	2.3	1.0	5.5	2.2	1.1	5.0	-	-	-
Utah	1.9	1.0	4.3	1.9	1.1	4.2	-	-	-
Metropolitan Atlanta	2.5	0.8	7.2	1.9	-	5.3	4.1	1.2	11.7
San Jose-Monterey	2.5	1.0	6.2	2.4	1.1	5.9	-	-	-
Los Angeles	3.7	1.8	8.8	3.5	1.8	8.2	5.8	2.9	13.4

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

<sup>a</sup> 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.

<sup>b</sup> 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 V-9  
CERVIX UTERI CANCER (Invasive)

AVERAGE ANNUAL AGE-ADJUSTED CANCER DEATH<sup>a</sup> RATES BY STATE, 1996-2000

All Races, Females

State	Rate	SE	Rank	PD	State	Rate	SE	Rank	PD
TOTAL U.S.	3.0	0.02							
High Five States									
District of Columbia	4.8 <sup>b</sup>	0.56	(01)	60.0					
Delaware	4.5 <sup>b</sup>	0.47	(02)	50.0					
West Virginia	4.0 <sup>bc</sup>	0.28	(03)	33.3					
Mississippi	4.0 <sup>bc</sup>	0.23	(04)	33.3					
Kentucky	3.8 <sup>bc</sup>	0.19	(05)	26.7					
Low Five States									
South Dakota	2.0 <sup>b</sup>	0.33	(47)	-33.3					
Colorado	2.0 <sup>bc</sup>	0.14	(48)	-33.3					
Alaska	1.9 <sup>b</sup>	0.42	(49)	-36.7					
Utah	1.9 <sup>bc</sup>	0.21	(50)	-36.7					
Minnesota	1.8 <sup>bc</sup>	0.12	(51)	-40.0					
Alabama	3.3	0.17	(14)	10.0	Montana	2.6	0.33	(30)	-13.3
Alaska	1.9 <sup>b</sup>	0.42	(49)	-36.7	Nebraska	2.4 <sup>b</sup>	0.23	(36)	-20.0
Arizona	2.5 <sup>b</sup>	0.14	(34)	-16.7	Nevada	3.1	0.26	(21)	3.3
Arkansas	3.6 <sup>b</sup>	0.23	(09)	20.0	New Hampshire	2.3 <sup>b</sup>	0.26	(42)	-23.3
California	3.0	0.06	(24)	0.0	New Jersey	3.1	0.12	(20)	3.3
Colorado	2.0 <sup>bc</sup>	0.14	(48)	-33.3	New Mexico	2.6	0.24	(33)	-13.3
Connecticut	2.1 <sup>bc</sup>	0.15	(45)	-30.0	New York	3.2	0.08	(16)	6.7
Delaware	4.5 <sup>b</sup>	0.47	(02)	50.0	North Carolina	3.2	0.12	(15)	6.7
District of Columbia	4.8 <sup>b</sup>	0.56	(01)	60.0	North Dakota	2.8	0.41	(29)	-6.7
Florida	3.3 <sup>c</sup>	0.09	(13)	10.0	Ohio	3.0	0.10	(23)	0.0
Georgia	3.2	0.13	(18)	6.7	Oklahoma	3.4	0.20	(11)	13.3
Hawaii	2.0 <sup>bc</sup>	0.26	(46)	-33.3	Oregon	2.3 <sup>bc</sup>	0.16	(40)	-23.3
Idaho	2.3 <sup>b</sup>	0.28	(41)	-23.3	Pennsylvania	3.0	0.09	(25)	0.0
Illinois	3.4 <sup>c</sup>	0.10	(12)	13.3	Rhode Island	2.8	0.32	(26)	-6.7
Indiana	3.2	0.14	(17)	6.7	South Carolina	3.7 <sup>bc</sup>	0.19	(08)	23.3
Iowa	2.4 <sup>b</sup>	0.18	(35)	-20.0	South Dakota	2.0 <sup>b</sup>	0.33	(47)	-33.3
Kansas	2.4 <sup>b</sup>	0.19	(38)	-20.0	Tennessee	3.7 <sup>bc</sup>	0.16	(07)	23.3
Kentucky	3.8 <sup>bc</sup>	0.19	(05)	26.7	Texas	3.5 <sup>bc</sup>	0.09	(10)	16.7
Louisiana	3.8 <sup>bc</sup>	0.18	(06)	26.7	Utah	1.9 <sup>bc</sup>	0.21	(50)	-36.7
Maine	2.6	0.27	(31)	-13.3	Vermont	3.1	0.43	(19)	3.3
Maryland	2.8	0.14	(28)	-6.7	Virginia	2.8	0.12	(27)	-6.7
Massachusetts	2.2 <sup>bc</sup>	0.11	(43)	-26.7	Washington	2.1 <sup>bc</sup>	0.12	(44)	-30.0
Michigan	2.6 <sup>c</sup>	0.10	(32)	-13.3	West Virginia	4.0 <sup>bc</sup>	0.28	(03)	33.3
Minnesota	1.8 <sup>bc</sup>	0.12	(51)	-40.0	Wisconsin	2.3 <sup>bc</sup>	0.13	(39)	-23.3
Mississippi	4.0 <sup>bc</sup>	0.23	(04)	33.3	Wyoming	2.4 <sup>b</sup>	0.44	(37)	-20.0
Missouri	3.1	0.14	(22)	3.3					

<sup>a</sup> 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.

<sup>b</sup> Absolute percent difference between state rate and total U.S. rate is 15% or more.

<sup>c</sup> 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 V-10  
CERVIX UTERI CANCER (Invasive)

Estimated United States Cancer Prevalence Counts<sup>a</sup> 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 <sup>f</sup>	Complete <sup>g</sup>
<u>Race</u>									
All Races <sup>b</sup>	46,867	38,414	32,786	26,196	25,729	85,281	169,992	61,072	231,064
White <sup>b</sup>	36,314	31,576	27,065	21,433	20,969	67,890	137,357	51,303	188,660
Black <sup>b</sup>	7,211	4,611	3,990	3,688	3,818	11,822	23,318	+	+
Asian/Pacific Islander <sup>c</sup>	2,045	1,485	+	+	+	3,530	+	+	+
Hispanic <sup>d</sup>	7,383	6,009	+	+	+	13,392	+	+	+

Estimated prevalence percent<sup>a</sup> 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	All Ages	Age Specific (Crude)									Age-Adjusted <sup>e</sup>	
		0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80+	All Ages	
<u>Race</u>												
All Races <sup>c</sup>	0.0645%	-	-	0.0131%	0.0814%	0.1305%	0.1283%	0.1193%	0.0999%	0.0641%	0.0653%	
White <sup>c</sup>	0.0643%	-	-	0.0141%	0.0904%	0.1328%	0.1207%	0.1074%	0.0851%	0.0516%	0.0641%	
Black <sup>c</sup>	0.0609%	-	-	0.0132%	0.0635%	0.1291%	0.1334%	0.1400%	0.1623%	0.1437%	0.0709%	
Asian/Pacific Islander <sup>c</sup>	0.0648%	-	-	-	0.0375%	0.1056%	0.1628%	0.1756%	0.1663%	0.1372%	0.0678%	
Hispanic <sup>d</sup>	0.0793%	-	-	0.0109%	0.1057%	0.2116%	0.2445%	0.2440%	0.2570%	0.1712%	0.1165%	

<sup>a</sup> 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.

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

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

<sup>f g</sup> (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, Delay Adjusted Incidence and US Death Rates+ Cervix Uteri Cancer, by Race

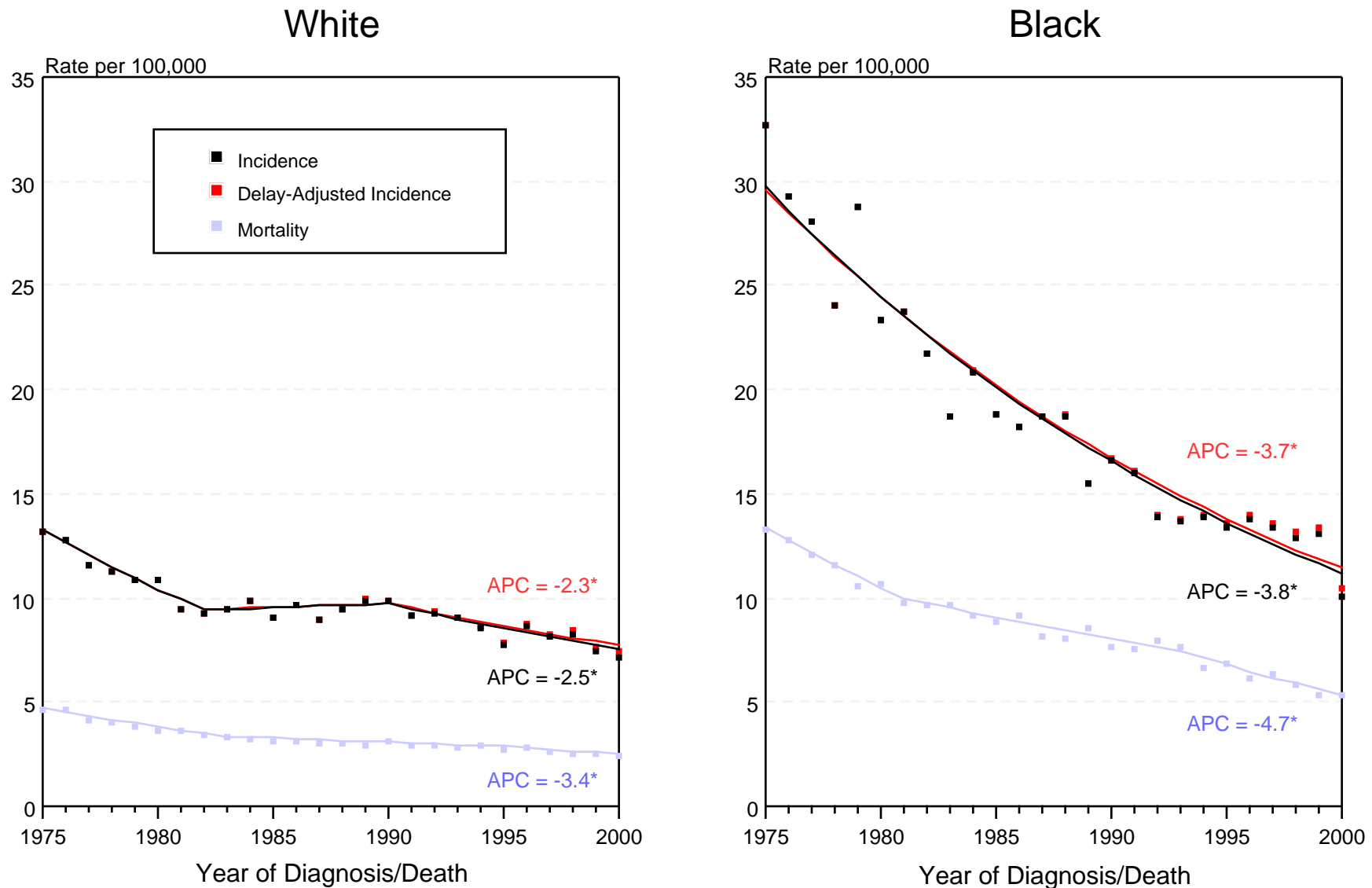


Figure V-1

+ 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 and APCs are calculated using the Joinpoint Regression Program. The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.

\* The APC is significantly different from zero ( $p < 0.05$ ).

# SEER Incidence and US Death Rates+ Cervix Uteri Cancer, by Age and Race

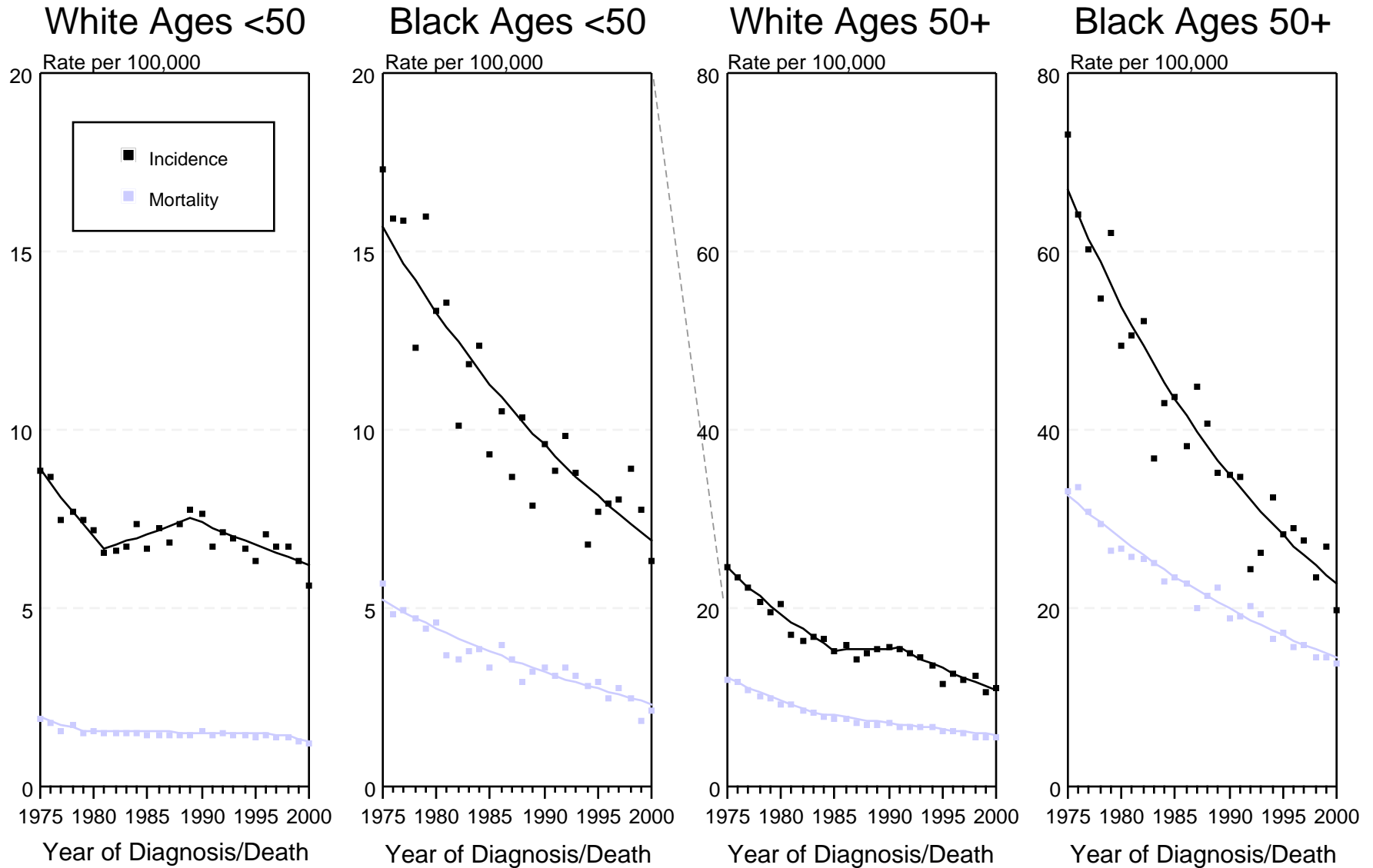


Figure V-2

+ 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.