

Table XX-1
OVARY CANCER (Invasive)

TRENDS IN SEER INCIDENCE^a AND U.S. MORTALITY^b USING THE JOINPOINT REGRESSION PROGRAM, 1973-1999
WITH UP TO THREE JOINPOINTS BY RACE AND AGE

	<u>All Races</u>		<u>Whites</u>		<u>Blacks</u>	
	<u>Year</u>	<u>APC</u>	<u>Year</u>	<u>APC</u>	<u>Year</u>	<u>APC</u>
<u>SEER Cancer Incidence^a</u>						
Age - All Ages	1973-86	-0.3	1973-86	-0.2	1973-99	0.4
	1986-89	5.0	1986-89	5.4		
	1989-99	-0.7★	1989-99	-0.7★		
Age - Under 65	1973-86	-1.2★	1973-82	-2.0★	1973-99	0.0
	1986-89	5.6	1982-91	2.0★		
	1989-99	-0.6	1991-99	-0.9		
Age - 65 and Over	1973-77	-1.9	1973-91	1.6★	1973-76	-12.4
	1977-90	2.0★	1991-99	-0.7	1976-99	1.2★
	1990-99	-0.8				
<u>U.S. Cancer Mortality^b</u>						
Age - All Ages	1973-84	-0.8★	1973-84	-0.8★	1973-99	0.0
	1984-92	0.5	1984-91	0.6		
	1992-99	-1.0★	1991-99	-0.8★		
Age - Under 65	1973-82	-2.7★	1973-81	-2.8★	1973-99	-1.9★
	1982-99	-1.4★	1981-99	-1.4★		
Age - 65 and Over	1973-94	1.1★	1973-94	1.1★	1973-93	2.1★
	1994-99	-0.7	1994-99	-0.6	1993-99	-1.1

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.

Trends are from the SEER 9 areas.

Trends are from the NCHS public use data file.

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

^a
^b
 ★

Table XX-2
OVARY CANCER (Invasive)

SEER INCIDENCES AND U.S. DEATH^â RATES, AGE-ADJUSTED AND AGE-SPECIFIC RATES, BY RACE

	Incidence [§]			US Death ^â		
	All Races, Females	White Females	Black Females	All Races, Females	White Females	Black Females
<u>AGE-SPECIFIC RATES, 1995-99</u>						
AGE AT DIAGNOSIS/DEATH:						
0-4	-	-	-	-	-	-
5-9	-	-	-	-	-	-
10-14	0.9	0.9	-	-	-	-
15-19	2.0	2.1	-	0.1	-	-
20-24	3.0	3.1	-	0.2	0.2	-
25-29	4.8	4.9	3.9	0.3	0.3	0.4
30-34	6.6	7.0	-	0.7	0.7	0.7
35-39	8.3	9.0	4.4	1.4	1.4	1.5
40-44	13.7	14.3	8.7	3.0	3.1	2.7
45-49	21.7	22.9	14.3	6.3	6.6	4.8
50-54	30.8	33.0	17.1	11.0	11.5	8.6
55-59	35.7	38.4	22.6	16.8	17.7	12.7
60-64	42.6	45.4	29.6	24.1	25.3	19.0
65-69	50.2	53.4	36.3	31.8	32.9	28.1
70-74	59.0	62.1	53.1	42.1	43.3	38.8
75-79	63.3	65.8	52.2	50.0	51.4	43.0
80-84	59.1	61.8	48.6	56.3	57.5	48.2
85+	54.9	57.4	44.3	54.9	56.3	44.2
<u>AGE-ADJUSTED RATES, 1995-99</u>						
AGE AT DIAGNOSIS/DEATH:						
All ages	17.1	18.1	12.0	9.0	9.3	7.6
Under 65	11.3	12.0	7.0	3.8	4.0	3.1
65 and over	57.0	59.9	46.6	44.6	45.8	38.8
All ages (world std.) [⊕]	12.5	13.2	8.5	5.8	6.0	4.8

§ 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.
^â 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.
[⊕] 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 XX-3
OVARY CANCER (Invasive)

SEER INCIDENCES AND U.S. DEATH RATES, AGE-ADJUSTED RATES, BY RACE AND AGE

	All Races, Females			White Females			Black Females		
	All	<65	65+	All	<65	65+	All	<65	65+
SEER INCIDENCE RATES									
YEAR OF DIAGNOSIS:									
1973	16.5	11.5	50.4	17.1	12.2	50.8	12.7	6.7	54.5
1974	17.0	12.4	48.4	17.6	13.1	49.3	12.3	5.9	56.3
1975	16.3	11.6	48.8	16.8	12.0	49.7	11.7	7.4	41.6
1976	15.9	11.2	47.8	16.6	11.9	49.5	11.4	7.4	39.3
1977	15.6	11.2	46.2	16.2	11.6	48.0	11.2	8.6	-
1978	15.4	10.8	47.2	16.1	11.3	49.3	10.0	6.1	36.8
1979	15.4	10.7	47.9	15.8	10.8	50.0	11.9	9.1	31.8
1980	15.4	10.6	48.5	16.2	11.2	50.8	11.7	7.4	41.6
1981	15.4	10.5	49.5	16.0	10.9	51.5	11.5	7.4	40.1
1982	15.6	10.1	53.4	16.1	10.5	55.2	12.3	7.4	46.2
1983	16.0	10.4	54.3	16.4	10.7	55.9	13.1	9.2	39.9
1984	16.3	10.9	53.0	17.1	11.7	54.8	10.9	5.7	47.1
1985	16.5	10.8	56.3	17.4	11.4	59.1	11.4	7.4	39.3
1986	15.0	9.9	50.4	15.7	10.5	51.8	10.7	6.3	41.5
1987	16.1	10.1	57.5	17.0	10.8	59.7	11.7	6.2	50.3
1988	17.3	11.4	57.8	18.1	12.0	60.2	12.9	7.8	48.4
1989	17.9	11.8	60.0	19.0	12.7	63.0	12.5	7.0	50.9
1990	17.8	11.6	60.5	18.8	12.4	63.0	12.1	6.8	48.5
1991	18.1	11.9	60.9	19.2	12.8	63.5	11.9	6.4	50.3
1992	17.6	11.8	58.0	18.6	12.4	61.5	12.3	8.6	37.7
1993	17.7	11.5	60.5	18.7	12.1	63.8	13.2	8.0	48.8
1994	17.1	11.4	56.2	17.7	11.8	58.4	14.9	8.8	57.5
1995	17.4	11.5	58.3	18.4	12.3	60.7	12.0	6.9	47.1
1996	17.0	11.1	57.7	18.4	12.2	61.2	10.8	5.9	44.6
1997	17.3	11.9	55.2	18.2	12.6	57.0	12.4	7.2	48.3
1998	16.7	11.0	56.1	17.5	11.5	59.0	12.9	7.7	49.0
1999	17.0	11.1	57.8	17.9	11.6	61.7	12.0	7.3	44.3
1995-99	17.1	11.3	57.0	18.1	12.0	59.9	12.0	7.0	46.6
U.S. DEATH RATES									
YEAR OF DEATH:									
1973	9.8	5.9	36.2	10.0	6.1	36.9	8.2	5.0	29.9
1974	9.9	6.1	36.0	10.1	6.3	36.9	7.9	5.0	27.9
1975	9.8	5.8	37.5	10.2	6.0	38.8	7.2	4.6	24.6
1976	10.0	5.7	39.7	10.3	5.9	40.6	8.0	4.6	31.5
1977	9.6	5.5	38.0	9.9	5.6	39.1	7.4	4.3	29.2
1978	9.6	5.4	38.0	9.8	5.6	38.9	7.4	4.2	29.3
1979	9.3	5.1	38.6	9.6	5.2	39.7	7.5	4.4	28.9
1980	9.3	5.0	39.1	9.5	5.1	40.0	7.9	4.2	33.2
1981	9.2	4.9	38.9	9.5	5.1	39.8	7.4	3.7	32.4
1982	9.2	4.8	39.8	9.5	5.0	40.7	7.4	3.6	33.5
1983	9.2	4.7	40.3	9.4	4.8	41.4	7.7	4.1	32.3
1984	9.1	4.6	40.1	9.4	4.8	40.9	7.6	3.8	33.8
1985	9.1	4.6	40.2	9.3	4.7	41.3	7.3	3.7	31.9
1986	9.2	4.6	41.6	9.5	4.7	42.6	7.4	3.7	33.4
1987	9.2	4.5	41.9	9.5	4.6	42.8	7.6	3.5	35.5
1988	9.3	4.4	43.2	9.6	4.6	44.1	7.9	3.7	36.9
1989	9.2	4.3	43.2	9.5	4.5	44.3	7.4	3.3	36.2
1990	9.3	4.3	44.4	9.6	4.5	45.3	7.9	3.3	39.2
1991	9.5	4.3	45.5	9.8	4.5	46.2	8.4	3.4	42.5
1992	9.5	4.3	45.7	9.7	4.4	46.7	8.2	3.6	40.1
1993	9.1	4.0	44.3	9.4	4.2	45.2	7.8	3.0	40.7
1994	9.4	4.2	45.9	9.7	4.3	47.0	7.9	3.2	40.1
1995	9.2	4.0	45.1	9.5	4.2	46.5	7.4	2.9	38.5
1996	8.9	3.9	44.1	9.2	4.0	45.3	7.4	2.9	38.5
1997	9.0	3.8	45.2	9.3	4.0	46.1	8.0	3.1	41.9
1998	8.8	3.7	44.2	9.1	3.9	45.6	7.5	3.2	36.8
1999	8.9	3.8	44.2	9.2	3.9	45.5	7.5	3.1	38.2
1995-99	9.0	3.8	44.6	9.3	4.0	45.8	7.6	3.1	38.8

SEER 9 areas. Rates are per 100,000 and are age-adjusted to the 2000 U.S. standard population.
 NCHS public use data file. Rates are per 100,000 and are age-adjusted to the 2000 U.S. standard population.
 Statistic not shown. Rate based on less than 25 cases for the time interval.

Table XX-4
OVARY CANCER (Invasive)

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

	All Races, Females			White Females			Black Females		
	All	<65	65+	All	<65	65+	All	<65	65+
<u>5-YR RELATIVE SURVIVAL RATES</u>									
YEAR OF DIAGNOSIS:									
1960-63 ^a	-	-	-	32	-	-	32	-	-
1970-73 ^a	-	-	-	36	-	-	32	-	-
1974-76 ^b	36.9	43.1	23.8	36.6	42.8	23.5	41.2	44.9	33.2 [†]
1977-79 ^b	38.5	46.6	22.3	37.9	46.0	22.7	39.8	49.1	10.1
1980-82 ^b	39.1	48.3	23.4	38.7	48.2	23.4	39.1	46.7	22.8 [†]
1983-85 ^b	40.9	50.6	26.0	40.2	49.9	25.8	41.6	52.4	20.8
1986-88 ^b	42.1	53.8	25.3	41.9	53.8	25.5	38.6	49.3	21.4
1989-91 ^b	49.5	62.9	29.5	49.6	63.5	29.8	41.6	54.9	22.8
1992-98 ^b	53.1 [‡]	65.8	33.2	52.5 [‡]	65.8	32.8	52.5 [‡]	64.8	29.6 [‡]
1992-98 ^b									
ALL STAGES	53.1	65.8	33.2	52.5	65.8	32.8	52.5	64.8	29.6
LOCALIZED	94.9	95.5	93.1	95.2	95.5	94.3	91.0	94.1	78.6 ^{††}
REGIONAL	81.3	87.0	66.9	80.5	86.5	67.3	80.6 [†]	86.5	-
DISTANT	30.9	40.7	20.1	31.0	41.5	19.8	28.0	34.7	19.6
UNSTAGED	27.9	49.0	16.0	26.2	47.3	14.7	35.5 [†]	-	20.5 [†]
<u>STAGE DISTRIBUTION (%) 1992-98^b</u>									
ALL STAGES									
Number of cases	13,170	7,402	5,768	11,418	6,253	5,165	876	527	349
Percent	100%	100%	100%	100%	100%	100%	100%	100%	100%
LOCALIZED	25	35	13	25	35	13	26	34	14
REGIONAL	10	12	7	9	11	7	11	15	6
DISTANT	59	50	70	60	50	71	55	47	67
UNSTAGED	6	3	10	6	3	10	8	4	14
<u>5-YR RELATIVE SURVIVAL RATES, 1992-98^b</u>									
AGE AT DIAGNOSIS:									
<45	82.2	-	-	82.9	-	-	78.3	-	-
45-54	63.4	-	-	63.6	-	-	61.2	-	-
55-64	49.8	-	-	49.8	-	-	48.5 [†]	-	-
65-74	38.6	-	-	38.1	-	-	31.5	-	-
75+	26.1	-	-	25.8	-	-	26.0 [†]	-	-
Under 65	65.8	-	-	65.8	-	-	64.8	-	-
65 and over	33.2	-	-	32.8	-	-	29.6	-	-

^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 1999.
[†] The difference in rates between 1974-76 and 1992-98 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 XX-5
OVARY CANCER (Invasive)

INCIDENCE, DEATH, AND SURVIVAL RATES*

By Year of Diagnosis/Death

All Races, Females

Year of Diagnosis/Death

	1975	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Incidence																					
SEER ^a	16.3	15.4	15.4	15.6	16.0	16.3	16.5	15.0	16.1	17.3	17.9	17.8	18.1	17.6	17.7	17.1	17.4	17.0	17.3	16.7	17.0
Mortality																					
U.S. ^b	9.8	9.3	9.2	9.2	9.2	9.1	9.1	9.2	9.2	9.3	9.2	9.3	9.5	9.5	9.1	9.4	9.2	8.9	9.0	8.8	8.9
SEER ^a	10.2	9.3	9.1	9.2	9.4	8.5	9.3	9.6	9.2	9.8	9.5	9.0	9.5	9.4	9.4	9.7	8.6	8.6	8.9	8.5	8.8
Relative Survival Rates (SEER ^a)																					
1-year	59.9	69.8	69.3	70.4	70.3	73.1	72.2	69.1	71.0	73.3	75.6	76.1	76.5	78.9	76.5	76.4	78.0	78.9	80.8	79.2	
2-year	45.3	54.1	52.5	52.7	54.0	56.3	55.5	52.4	54.0	61.7	62.2	64.0	64.7	67.0	65.0	67.3	67.3	68.9	71.5		
3-year	39.9	46.7	45.7	44.5	48.1	48.3	48.1	46.2	46.5	55.0	54.7	56.9	56.8	59.5	57.0	61.3	60.0	61.4			
4-year	36.8	42.0	42.1	40.7	43.9	43.2	42.8	42.2	42.5	50.8	49.9	53.5	52.3	55.6	52.2	56.4	55.9				
5-year	34.4	39.2	40.2	37.9	42.6	40.5	39.8	38.6	39.0	47.9	47.6	51.1	49.8	52.4	48.9	54.2					
6-year	34.2	37.1	38.6	36.5	40.1	39.3	37.8	36.9	37.5	46.2	45.4	49.7	47.8	50.5	47.2						
7-year	33.7	36.5	38.6	35.7	39.2	38.5	36.3	35.8	36.9	45.6	44.6	48.7	46.3	49.2							
8-year	33.0	35.2	37.7	35.0	37.4	37.4	35.9	35.3	36.0	45.2	43.6	47.8	45.5								
9-year	32.6	33.9	37.0	34.7	37.1	36.1	35.0	35.0	35.7	44.6	43.6	47.3									
10-year	32.6	33.3	36.4	34.5	36.4	35.7	34.8	34.6	35.7	44.4	43.4										
11-year	32.6	33.3	36.4	34.3	36.0	35.3	34.8	34.6	35.5	44.1											
12-year	32.6	32.8	36.4	34.1	36.0	34.7	34.7	34.1	34.9												
13-year	32.6	32.2	36.2	34.1	36.0	34.4	34.7	34.1													
14-year	32.6	31.7	35.9	33.7	36.0	34.4	34.7														
15-year	32.6	31.4	35.9	33.7	36.0	34.4															
16-year	32.6	31.4	35.9	33.7	36.0																
17-year	32.3	31.4	35.9	33.7																	
18-year	32.3	31.3	35.9																		
19-year	32.2	31.3																			
20-year	32.2																				
21-year	32.2																				
22-year	32.2																				
23-year	32.2																				
24-year	32.2																				

^a Rates are from the SEER 9 areas.

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

* 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 XX-6
OVARY 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

1997-1999

All Races

Current Age	+10 yrs	+20 yrs	+30 yrs	Eventually
0	0.00	0.01	0.05	1.73
10	0.01	0.05	0.12	1.74
20	0.04	0.11	0.28	1.74
30	0.07	0.24	0.56	1.71
40	0.17	0.49	0.90	1.65
50	0.33	0.75	1.18	1.51
60	0.44	0.90	1.18	1.24

Lifetime Risk of Being Diagnosed = 1.73%
 Lifetime Risk of Dying = 1.04%

Whites

Current Age	+10 yrs	+20 yrs	+30 yrs	Eventually
0	0.00	0.01	0.05	1.84
10	0.01	0.05	0.13	1.86
20	0.04	0.12	0.29	1.85
30	0.08	0.26	0.60	1.82
40	0.18	0.53	0.97	1.75
50	0.35	0.80	1.27	1.60
60	0.47	0.96	1.25	1.31

Lifetime Risk of Being Diagnosed = 1.84%
 Lifetime Risk of Dying = 1.08%

Blacks

Current Age	+10 yrs	+20 yrs	+30 yrs	Eventually
0	0.00	0.01	0.04	1.10
10	0.01	0.04	0.08	1.12
20	0.03	0.07	0.18	1.11
30	0.04	0.15	0.34	1.09
40	0.12	0.30	0.58	1.07
50	0.19	0.48	0.78	0.99
60	0.32	0.65	0.84	0.88

Lifetime Risk of Being Diagnosed = 1.10%
 Lifetime Risk of Dying = 0.75%

Table XX-7
OVARY CANCER (Invasive)

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

By Race/Ethnicity and Sex

Incidenceⁱ

RACE/ETHNICITY	Rate 1992-1999	Trend 1992-1999
	Rate per 100,000 persons	EAPC (%)
	Females	Females
All Races	17.1	-0.9★
White	18.1	-0.9★
White Hispanic	14.3	-2.0★
White Non-Hispanic	18.6	-0.7★
Black	12.2	-1.0
Asian/Pacific Islander	12.6	0.7
Amer Ind/Alaska Nat	10.2	-
Hispanic [⊗]	13.5	-1.9

Mortality[❖]

RACE/ETHNICITY	Rate 1992-1999	Trend 1992-1999
	Rate per 100,000 persons	EAPC (%)
	Females	Females
All Races	9.1	-0.9★
White	9.4	-0.8★
White Hispanic	6.1	-2.9★
White Non-Hispanic	9.5	-0.6
Black	7.7	-0.9
Asian/Pacific Islander	4.8	-1.1
Amer Ind/Alaska Nat	4.9	-3.9
Hispanic [⊗]	5.8	-3.0★

- The EAPC is the Estimated 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.
- ⁱ 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).
- [⊗] Hispanic is not mutually exclusive from whites, blacks, Asian Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics does 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.
- [❖] Mortality data are analyzed from a public use file provided by the National Center for Health Statistics (NCHS).
- [★] The EAPC is significantly different from zero (p<.05).

Table XX-8
OVARY CANCER (Invasive)AGE-ADJUSTED SEER INCIDENCE RATES§ AND SEER DEATH RATESä
By Registry, Race and Age

	All Races, Females			White Females			Black Females		
	All	<65	65+	All	<65	65+	All	<65	65+
<u>SEER INCIDENCE RATES§, 1995-99</u>									
REGISTRY									
11 registries	16.8	11.3	55.0	17.9	12.0	58.3	11.9	7.2	44.4
9 registries	17.1	11.3	57.0	18.1	12.0	59.9	12.0	7.0	46.6
San Francisco-Oakland	16.7	11.3	54.4	18.5	12.4	61.0	11.0	6.8	39.7
Connecticut	16.4	11.0	53.1	17.0	11.6	54.6	6.7	4.2	-
Metropolitan Detroit	17.0	11.2	57.3	18.2	12.4	58.1	13.6	7.8	53.3
Hawaii	15.1	11.6	39.6	19.5	14.3	55.4	-	-	-
Iowa	18.1	12.1	59.4	18.1	12.1	59.6	-	-	-
New Mexico	15.2	9.9	51.8	15.5	10.1	53.2	-	-	-
Seattle-Puget Sound	20.2	13.0	69.3	21.0	13.7	71.4	15.8	-	-
Utah	16.6	10.9	55.9	16.9	11.1	56.9	-	-	-
Metropolitan Atlanta	15.9	9.7	59.0	16.8	10.3	61.8	12.6	7.3	49.0
San Jose-Monterey	16.7	11.4	53.3	17.3	11.6	57.3	-	-	-
Los Angeles	16.1	11.4	48.8	17.4	12.2	53.1	11.5	7.7	38.1
<u>SEER DEATH RATESä, 1995-99</u>									
REGISTRY									
11 registries	8.6	3.8	42.1	9.3	4.0	45.3	6.7	2.9	33.0
9 registries	8.7	3.7	43.0	9.3	4.0	46.1	6.5	2.6	33.2
San Francisco-Oakland	8.5	3.9	40.3	9.9	4.6	46.3	6.7	2.8	33.6
Connecticut	8.7	3.9	42.4	9.1	4.1	43.7	-	-	-
Metropolitan Detroit	8.1	3.5	40.0	8.7	3.9	42.0	6.0	2.3	31.6
Hawaii	5.9	3.5	22.0	8.8	5.0	35.2	-	-	-
Iowa	8.8	3.7	44.1	8.9	3.8	44.5	-	-	-
New Mexico	7.9	3.3	39.4	8.2	3.5	40.8	-	-	-
Seattle-Puget Sound	10.5	4.0	55.2	10.9	4.2	57.4	-	-	-
Utah	9.1	3.8	45.9	9.2	3.8	46.4	-	-	-
Metropolitan Atlanta	8.8	3.4	45.7	8.9	3.4	47.0	8.2	3.4	41.2
San Jose-Monterey	8.0	3.7	38.1	8.6	3.9	41.1	-	-	-
Los Angeles	8.6	4.0	40.0	9.3	4.3	43.8	7.3	3.6	32.6

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 9 areas. Incidence rates are per 100,000 and are age-adjusted to the 2000 U.S. standard population by 5-year age groups.
 ä 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 XX-9
OVARY CANCER (Invasive)AVERAGE ANNUAL AGE-ADJUSTED CANCER DEATH^ä RATES BY STATE, 1995-99

All Races, Females

State	Rate	SE	Rank	PD
TOTAL U.S.	9.0	0.03		
High Five States				
Idaho	10.4 [✳]	0.59	(01)	15.6
Washington	10.4 ^{⊕✳}	0.27	(02)	15.6
Maine	10.1	0.53	(03)	12.2
Vermont	10.0	0.79	(04)	11.1
Delaware	10.0	0.70	(05)	11.1
Low Five States				
Louisiana	8.2	0.27	(47)	-8.9
Oklahoma	8.1	0.29	(48)	-10.0
New Mexico	7.9	0.43	(49)	-12.2
Mississippi	7.7 [⊕]	0.32	(50)	-14.4
Hawaii	5.9 ^{⊕✳}	0.44	(51)	-34.4

State	Rate	SE	Rank	PD	State	Rate	SE	Rank	PD
Alabama	9.1	0.27	(23)	1.1	Montana	9.7	0.63	(07)	7.8
Alaska	8.7	1.09	(36)	-3.3	Nebraska	8.3	0.42	(46)	-7.8
Arizona	8.4	0.26	(43)	-6.7	Nevada	9.3	0.49	(14)	3.3
Arkansas	8.8	0.34	(33)	-2.2	New Hampshire	9.6	0.56	(11)	6.7
California	8.9	0.11	(29)	-1.1	New Jersey	9.7 [⊕]	0.20	(08)	7.8
Colorado	8.5	0.30	(42)	-5.6	New Mexico	7.9	0.43	(49)	-12.2
Connecticut	8.7	0.30	(35)	-3.3	New York	9.3	0.13	(15)	3.3
Delaware	10.0	0.70	(05)	11.1	North Carolina	8.6	0.20	(40)	-4.4
District of Columbia	8.6	0.73	(39)	-4.4	North Dakota	9.3	0.70	(18)	3.3
Florida	8.6	0.13	(38)	-4.4	Ohio	9.0	0.17	(27)	0.0
Georgia	8.9	0.22	(31)	-1.1	Oklahoma	8.1	0.29	(48)	-10.0
Hawaii	5.9 ^{⊕✳}	0.44	(51)	-34.4	Oregon	9.6	0.32	(10)	6.7
Idaho	10.4 [✳]	0.59	(01)	15.6	Pennsylvania	9.6 [⊕]	0.16	(12)	6.7
Illinois	9.3	0.17	(17)	3.3	Rhode Island	9.0	0.55	(26)	0.0
Indiana	9.5	0.24	(13)	5.6	South Carolina	8.9	0.29	(30)	-1.1
Iowa	8.8	0.32	(32)	-2.2	South Dakota	9.8	0.69	(06)	8.9
Kansas	8.8	0.34	(34)	-2.2	Tennessee	9.3	0.25	(16)	3.3
Kentucky	8.6	0.28	(41)	-4.4	Texas	8.3 [⊕]	0.14	(44)	-7.8
Louisiana	8.2	0.27	(47)	-8.9	Utah	9.1	0.48	(21)	1.1
Maine	10.1	0.53	(03)	12.2	Vermont	10.0	0.79	(04)	11.1
Maryland	9.1	0.26	(24)	1.1	Virginia	9.0	0.23	(25)	0.0
Massachusetts	8.7	0.22	(37)	-3.3	Washington	10.4 ^{⊕✳}	0.27	(02)	15.6
Michigan	9.1	0.19	(22)	1.1	West Virginia	9.2	0.39	(20)	2.2
Minnesota	9.2	0.27	(19)	2.2	Wisconsin	9.7	0.26	(09)	7.8
Mississippi	7.7 [⊕]	0.32	(50)	-14.4	Wyoming	8.3	0.84	(45)	-7.8
Missouri	8.9	0.24	(28)	-1.1					

^ä 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.

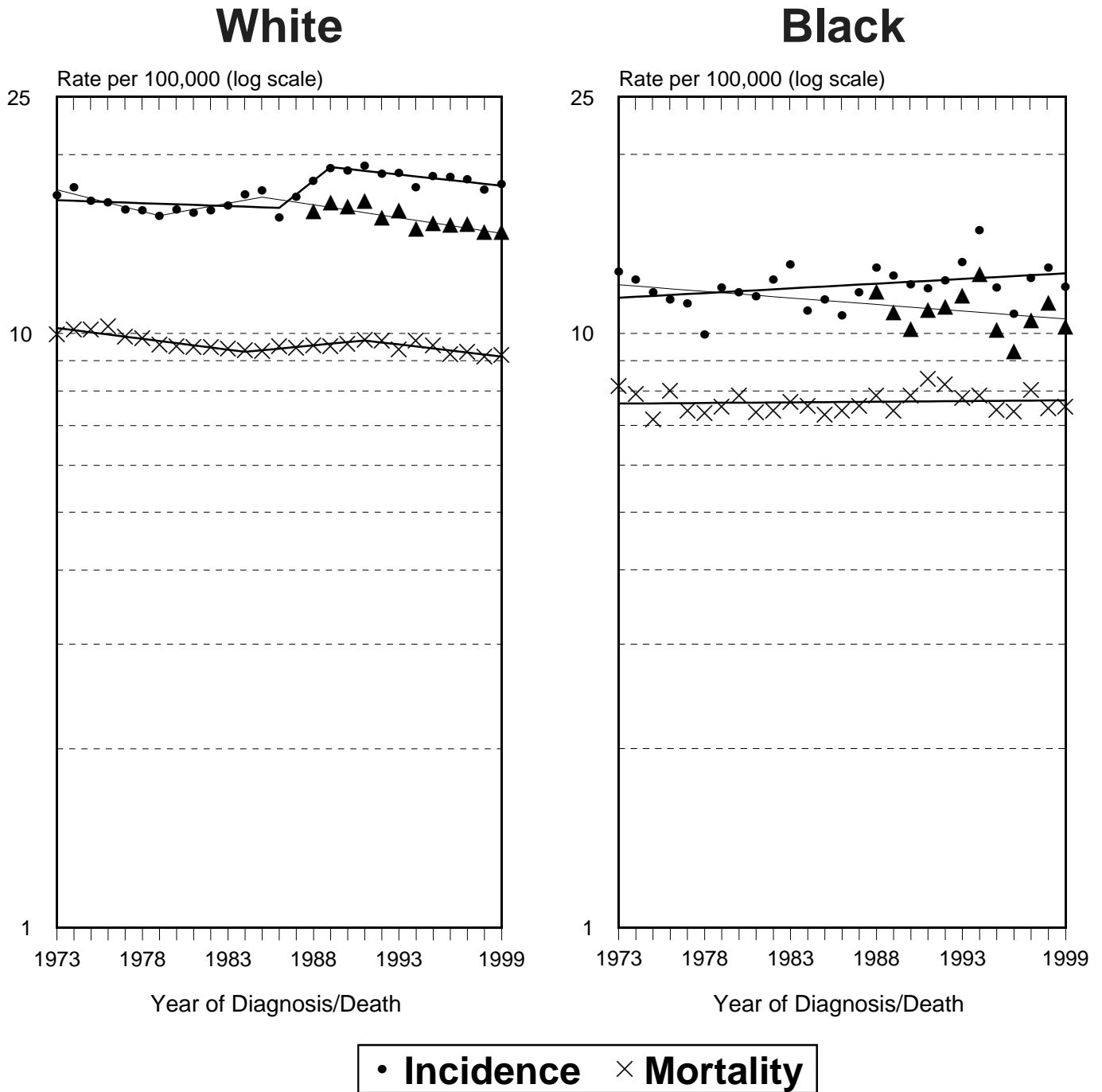
SE Standard error of the rate.

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

[✳] Absolute percent 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 ($p \leq .0002$).

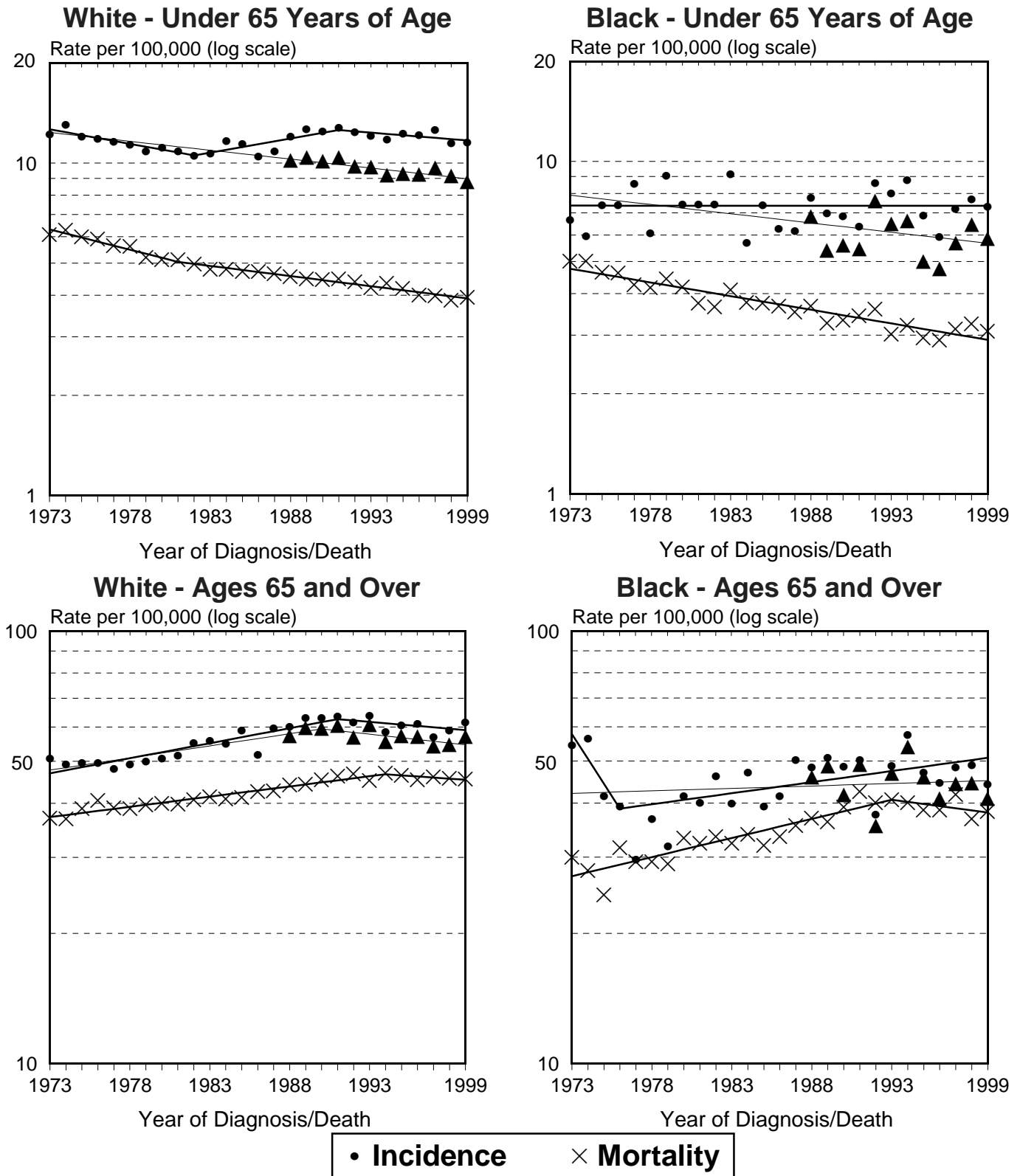
SEER Incidence and U.S. Death Rates⁺ Ovary By Race



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

▲ The Incidence trends represented by the thin line excludes histologies 8442, 8451, 8462, 8472, and 8473 which only became reportable as malignancies after 1987.

SEER Incidence and U.S. Death Rates⁺ Ovary, By Age and Race



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

▲ The Incidence trends represented by the thin line excludes histologies 8442, 8451, 8462, 8472, and 8473 which only became reportable as malignancies after 1987.