

Table XX-1  
OVARY CANCER (Invasive)

## TRENDS IN SEER INCIDENCE AND U.S. MORTALITY, BY RACE AND AGE

	All Races, Females			White Females			Black Females		
	All	<50	50+	All	<50	50+	All	<50	50+
<u>INCIDENCE TRENDS (expressed in percents):</u>									
<u>1973-95</u>									
All Ages									
Percent Change (PC)	-0.1	11.0	-3.8	0.3	8.7	-2.6	6.7	65.4	-4.7
Est. Annual PC (EAPC)	0.4★	0.7★	0.3★	0.5★	0.8★	0.4★	0.5	0.8	0.4
Under 65									
Percent Change (PC)	-5.4	-	-	-6.2	-	-	20.1	-	-
Est. Annual PC (EAPC)	0.1	-	-	0.1	-	-	0.2	-	-
65 and over									
Percent Change (PC)	10.3	-	-	13.4	-	-	-6.0	-	-
Est. Annual PC (EAPC)	1.1★	-	-	1.2★	-	-	0.9	-	-
<u>1975-79 - ALL AGES</u>									
Percent Change (PC)	-4.8	-6.5	-4.3	-4.8	-4.5	-4.9	-2.9	-6.6	-1.7
Est. Annual PC (EAPC)	-1.6★	-2.2	-1.4★	-1.6★	-1.4	-1.7	-0.3	-2.2	0.4
<u>1991-95 - ALL AGES</u>									
Percent Change (PC)	-5.2	2.3	-7.9	-6.3	-1.0	-8.2	6.5	8.8	5.8
Est. Annual PC (EAPC)	-1.7★	0.9	-2.7	-2.0	0.3	-2.8★	0.6	1.2	0.5
<u>MORTALITY TRENDS (expressed in percents)*:</u>									
<u>1973-95</u>									
All Ages									
Percent Change (PC)	-8.6	-47.5	-0.8	-7.4	-46.5	0.6	-9.9	-51.4	-1.4
Est. Annual PC (EAPC)	-0.4★	-2.9★	-0.1	-0.4★	-2.8★	0.0	-0.2	-3.0★	0.2
Under 65									
Percent Change (PC)	-30.8	-	-	-29.2	-	-	-37.4	-	-
Est. Annual PC (EAPC)	-1.7★	-	-	-1.7★	-	-	-2.0★	-	-
65 and over									
Percent Change (PC)	21.8	-	-	22.7	-	-	29.0	-	-
Est. Annual PC (EAPC)	0.9★	-	-	0.9★	-	-	1.6★	-	-
<u>1975-79 - ALL AGES</u>									
Percent Change (PC)	-5.1	-16.6	-3.0	-5.4	-17.6	-3.1	-2.1	-8.7	-0.9
Est. Annual PC (EAPC)	-1.6★	-5.6★	-0.9	-1.8★	-6.2★	-1.0	0.0	-1.7	0.3
<u>1991-95 - ALL AGES</u>									
Percent Change (PC)	-2.5	-5.2	-2.2	-1.6	-2.4	-1.5	-8.1	-20.4	-6.7
Est. Annual PC (EAPC)	-0.9	-1.8★◆	-0.9	-0.6	-0.7◆	-0.6	-2.9★	-7.5	-2.4

The Est. Annual PC is the Estimated Annual Percent Change (EAPC) over the time interval.  
SEER Program.  
NCHS public use tape.  
The EAPC is significantly different from zero (p<.05).  
The EAPC for 1991-95 is significantly different from the EAPC for 1975-79 (p<.05).  
The EAPC for 1991-95 is significantly different from the EAPC for 1975-79 (p<.10).  
Statistic could not be calculated.

Table XX-2  
OVARY CANCER (Invasive)

SEER INCIDENCES AND U.S. MORTALITY\* RATES, AGE-ADJUSTED AND AGE-SPECIFIC RATES, BY RACE

	Incidences			US Mortality*		
	All Races, Females	White Females	Black Females	All Races, Females	White Females	Black Females
<u>AGE-SPECIFIC RATES, 1991-95</u>						
AGE AT DIAGNOSIS/DEATH:						
0-4	0.0	0.0	0.3	0.0	0.0	0.0
5-9	0.1	0.1	0.0	0.0	0.0	0.0
10-14	0.8	0.7	0.7	0.0	0.0	0.0
15-19	2.5	2.4	2.2	0.1	0.1	0.1
20-24	3.1	3.0	2.7	0.2	0.2	0.2
25-29	4.8	4.8	3.9	0.3	0.3	0.2
30-34	6.7	6.7	4.3	0.7	0.6	0.7
35-39	10.4	11.2	5.5	1.6	1.6	1.6
40-44	13.0	13.7	8.6	3.2	3.4	2.6
45-49	22.5	24.3	12.8	6.8	7.1	4.9
50-54	28.4	28.7	23.8	12.2	12.8	8.8
55-59	37.7	40.2	20.6	18.7	19.6	13.8
60-64	43.7	47.0	29.4	25.5	26.5	20.9
65-69	51.8	54.4	46.2	34.3	35.3	30.1
70-74	56.9	59.8	50.7	43.1	44.2	38.2
75-79	61.8	65.0	45.7	49.7	50.8	43.4
80-84	63.3	66.3	35.3	55.8	56.7	50.3
85+	61.2	63.0	58.7	54.9	55.7	51.0
<u>AGE-ADJUSTED RATES, 1991-95</u>						
AGE AT DIAGNOSIS/DEATH:						
All ages	14.8	15.6	10.8	7.7	8.0	6.5
Under 65	10.2	10.7	6.8	3.8	4.0	3.0
65 and over	57.1	59.9	47.0	43.6	44.7	38.7
All ages (world std.) <sup>⊕</sup>	12.7	13.3	9.2	6.1	6.3	5.1

§ SEER Program. Rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population, except where noted.  
 \* NCHS public use tape. Rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population, except where noted.

⊕ Rates are per 100,000 and are age-adjusted to the world standard population.

Table XX-3  
OVARY CANCER (Invasive)

SEER INCIDENCES AND U.S. MORTALITY\* 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>									
<u>YEAR OF DIAGNOSIS:</u>									
1973	14.1	4.7	43.1	14.6	4.9	44.6	10.5	2.3	36.0
1974	14.7	4.9	44.9	15.3	5.1	46.8	10.2	2.1	35.1
1975	14.1	4.9	42.3	14.4	4.9	43.9	10.1	3.7	29.8
1976	13.7	4.3	42.4	14.3	4.5	44.6	9.4	2.9	29.8
1977	13.6	4.6	41.2	14.1	4.7	43.0	9.6	3.8	27.5
1978	13.2	4.2	41.1	13.9	4.3	43.3	8.5	2.8	26.0
1979	13.2	4.5	40.0	13.5	4.6	40.9	10.5	3.3	32.5
1980	13.3	4.1	41.8	14.0	4.2	44.0	10.1	2.6	33.4
1981	13.2	4.1	41.3	13.7	4.2	43.1	9.8	2.6	32.0
1982	13.4	3.9	42.4	13.8	4.1	43.9	10.8	3.3	33.9
1983	13.8	4.3	42.9	14.1	4.3	44.3	11.5	2.9	38.1
1984	14.1	4.4	43.7	14.8	4.6	46.1	9.5	2.5	31.1
1985	14.3	4.3	45.2	15.1	4.5	47.5	10.1	3.1	31.7
1986	12.9	3.8	41.0	13.5	4.1	42.4	9.3	1.1	34.7
1987	13.9	3.8	45.0	14.7	4.0	47.6	10.2	2.9	32.6
1988	14.9	5.0	45.7	15.6	5.2	47.8	10.9	4.0	31.9
1989	15.3	5.3	46.1	16.2	5.7	48.8	10.8	3.0	35.0
1990	15.2	5.1	46.4	16.1	5.4	49.1	10.2	2.4	34.4
1991	15.4	5.1	47.1	16.3	5.4	50.0	10.1	3.1	32.0
1992	15.0	5.4	44.8	15.8	5.7	46.9	10.7	3.7	32.1
1993	15.0	5.0	46.1	15.7	5.2	47.9	11.1	3.1	35.8
1994	14.4	5.4	42.3	14.9	5.3	44.3	12.5	4.4	37.5
1995	14.4	5.3	42.4	15.2	5.7	44.7	9.7	3.0	30.3
1991-95	14.8	5.2	44.5	15.6	5.5	46.8	10.8	3.5	33.5
<u>U.S. MORTALITY RATES</u>									
<u>YEAR OF DEATH:</u>									
1973	8.4	1.9	28.4	8.5	1.9	29.0	7.1	1.6	24.0
1974	8.5	1.9	28.8	8.7	2.0	29.5	6.8	1.6	23.1
1975	8.4	1.8	28.9	8.7	1.8	29.7	6.3	1.3	21.4
1976	8.5	1.7	29.6	8.7	1.7	30.4	6.9	1.3	24.1
1977	8.2	1.5	28.9	8.4	1.5	29.8	6.3	1.3	21.9
1978	8.2	1.5	28.8	8.4	1.5	29.6	6.3	1.1	22.6
1979	7.9	1.4	27.9	8.1	1.4	28.6	6.5	1.4	22.4
1980	7.8	1.3	27.9	8.0	1.4	28.6	6.7	1.2	23.7
1981	7.8	1.3	27.9	8.0	1.3	28.7	6.2	1.0	22.3
1982	7.8	1.3	27.9	8.0	1.3	28.7	6.3	0.9	22.8
1983	7.8	1.2	28.1	8.0	1.2	28.9	6.5	1.1	22.8
1984	7.7	1.2	27.4	7.9	1.3	28.2	6.3	1.0	22.8
1985	7.7	1.2	27.6	7.9	1.2	28.4	6.3	0.9	22.8
1986	7.8	1.2	27.9	8.0	1.3	28.7	6.3	0.9	22.9
1987	7.7	1.1	28.1	8.0	1.1	29.0	6.3	1.0	22.7
1988	7.8	1.1	28.5	8.0	1.1	29.3	6.6	1.0	24.0
1989	7.7	1.1	28.2	8.0	1.1	29.2	6.1	0.9	22.4
1990	7.8	1.1	28.3	8.0	1.2	29.2	6.5	0.9	23.9
1991	7.9	1.1	29.1	8.1	1.1	30.0	6.9	1.0	24.8
1992	7.9	1.0	29.0	8.1	1.1	29.7	6.8	0.9	25.0
1993	7.5	1.0	27.6	7.8	1.1	28.4	6.3	0.7	23.6
1994	7.8	1.0	28.8	8.1	1.0	29.7	6.5	0.8	24.0
1995	7.6	1.0	27.9	7.9	1.0	29.1	6.1	0.7	22.5
1991-95	7.7	1.0	28.5	8.0	1.1	29.4	6.5	0.8	24.0

§\*

SEER Program. Rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population.  
NCHS public use tape. Rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population.

Table XX-4  
OVARY 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:									
1960-63 <sup>a</sup>	-	-	-	32	-	-	32	-	-
1970-73 <sup>a</sup>	-	-	-	36	-	-	32	-	-
1974-76 <sup>b</sup>	36.8	56.3	29.9	36.5	56.2	30.0	40.8	61.0 <sup>†</sup>	30.3
1977-79 <sup>b</sup>	38.4	62.9	29.8	37.8	62.1	29.8	40.0	67.2 <sup>†</sup>	24.3
1980-82 <sup>b</sup>	38.9	64.6	31.0	38.6	63.9	31.3	38.6	70.2 <sup>†</sup>	25.8
1983-85 <sup>b</sup>	41.0	65.0	33.3	40.4	63.3	33.3	42.0	79.7	26.9
1986-88 <sup>b</sup>	42.3	71.6	32.6	42.2	71.2	32.9	38.7	72.6 <sup>†</sup>	24.2
1989-94 <sup>b</sup>	49.9 <sup>S</sup>	75.6 <sup>S</sup>	39.0 <sup>S</sup>	50.1 <sup>S</sup>	76.2 <sup>S</sup>	39.4 <sup>S</sup>	46.3 <sup>S</sup>	72.5 <sup>S</sup>	33.1
1989-94 <sup>b</sup>									
ALL STAGES	49.9	75.6	39.0	50.1	76.2	39.4	46.3	72.5	33.1
LOCALIZED	95.3	96.1	94.8	95.9	96.4	95.7	91.0	91.5	90.2 <sup>†</sup>
REGIONAL	79.4	87.8	74.2	79.6	88.7	74.5	78.0 <sup>†</sup>	93.7	63.1 <sup>†</sup>
DISTANT	27.7	49.6	22.4	28.1	50.3	22.9	24.3	47.4 <sup>†</sup>	18.0
UNSTAGED	29.4	59.7 <sup>†</sup>	23.8	29.0	61.7 <sup>†</sup>	23.4	33.2 <sup>†</sup>	-	32.0 <sup>†</sup>
<u>STAGE DISTRIBUTION (%) 1989-94<sup>b</sup></u>									
ALL STAGES									
Number of cases	10,859	2,984	7,875	9,638	2,574	7,064	710	220	490
Percent	100%	100%	100%	100%	100%	100%	100%	100%	100%
LOCALIZED	25	46	17	24	46	16	24	43	16
REGIONAL	9	13	8	9	12	8	10	16	7
DISTANT	61	39	69	61	40	69	58	36	68
UNSTAGED	6	3	7	6	2	7	8	-	10
<u>5-YR RELATIVE SURVIVAL RATES, 1989-94<sup>b</sup></u>									
AGE AT DIAGNOSIS:									
<45	80.3	-	-	81.0	-	-	74.9	-	-
45-54	61.0	-	-	61.9	-	-	53.0 <sup>†</sup>	-	-
55-64	46.7	-	-	48.0	-	-	38.8 <sup>†</sup>	-	-
65-74	34.5	-	-	35.0	-	-	27.0	-	-
75+	25.2	-	-	25.2	-	-	22.9 <sup>†</sup>	-	-
Under 65	62.9	-	-	63.5	-	-	58.7	-	-
65 and over	30.7	-	-	31.0	-	-	25.8	-	-

<sup>a</sup> Rates are based on End Results data from a series of hospital registries and one population-based registry.  
<sup>b</sup> Rates are from the SEER Program. They are based on data from population-based registries in Connecticut, New Mexico, Utah, Iowa, Hawaii, Atlanta, Detroit, Seattle-Puget Sound and San Francisco-Oakland. Rates are based on follow-up of patients through 1995.  
<sup>S</sup> The difference in rates between 1974-76 and 1989-94 is statistically significant (p<.05).  
<sup>†</sup> The standard error of the survival rate is between 5 and 10 percentage points.  
<sup>†</sup> The standard error of the survival rate is greater than 10 percentage points.  
<sup>-</sup> Statistic could not be calculated.

Table XX-5  
OVARY CANCER (Invasive)INCIDENCE, MORTALITY, AND SURVIVAL RATES

By Year of Diagnosis/Death

All Races, Females

Year of Diagnosis/Death

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Incidence																					
SEER	14.1	13.7	13.6	13.2	13.2	13.3	13.2	13.4	13.8	14.1	14.3	12.9	13.9	14.9	15.3	15.2	15.4	15.0	15.0	14.4	14.4
Mortality																					
U.S.	8.4	8.5	8.2	8.2	7.9	7.8	7.8	7.8	7.8	7.7	7.7	7.8	7.7	7.8	7.7	7.8	7.9	7.9	7.5	7.8	7.6
SEER	8.7	9.1	8.1	8.2	8.2	7.9	7.7	7.8	7.9	7.2	7.9	8.1	7.7	8.3	8.0	7.5	7.9	7.8	7.7	8.1	7.1
Relative Survival Rates (SEER)																					
1-year	59.6	63.6	66.2	67.9	67.5	69.8	69.0	70.4	70.2	73.3	72.1	69.0	71.0	73.6	75.6	76.1	76.7	78.7	76.3	75.7	
2-year	45.0	47.7	51.0	52.3	51.4	54.0	52.2	52.5	53.9	56.3	55.6	52.3	54.0	62.1	62.4	63.9	64.8	66.8	64.4		
3-year	39.6	42.2	43.1	44.8	44.1	46.6	45.3	44.4	48.0	48.4	48.2	46.1	46.5	55.5	54.8	56.6	56.8	59.0			
4-year	36.5	39.3	40.2	40.8	40.2	41.9	41.6	40.7	43.8	43.3	42.7	42.2	42.5	51.5	50.1	53.1	52.2				
5-year	34.1	37.8	38.8	38.5	37.8	39.0	39.7	37.9	42.6	40.7	39.7	38.5	39.1	48.6	47.8	50.6					
6-year	33.9	36.5	37.7	36.6	36.3	37.0	38.2	36.5	40.1	39.6	37.7	36.9	37.6	47.0	45.5						
7-year	33.4	35.1	36.4	36.0	34.9	36.5	38.2	35.6	39.2	38.9	36.2	35.8	37.1	46.3							
8-year	32.6	34.3	36.0	35.4	34.1	35.3	37.4	35.0	37.4	38.0	35.8	35.3	36.2								
9-year	32.2	34.3	35.7	34.9	33.7	33.9	36.7	34.7	37.2	36.7	34.9	34.9									
10-year	32.2	34.2	35.7	34.9	33.6	33.3	36.1	34.6	36.6	36.2	34.5										
11-year	32.2	33.8	35.7	34.7	33.6	33.3	36.1	34.4	36.2	35.7											
12-year	32.2	33.5	35.2	34.0	33.6	32.9	36.1	34.1	36.2												
13-year	32.2	33.5	35.2	33.6	33.6	32.3	36.0	34.1													
14-year	32.2	33.4	35.0	33.4	33.6	31.7	35.8														
15-year	32.2	32.2	35.0	33.2	33.6	31.3															
16-year	32.2	31.6	35.0	33.2	33.6																
17-year	32.2	31.1	35.0	33.2																	
18-year	32.2	31.1	35.0																		
19-year	32.2	31.1																			
20-year	32.2																				

Note: Incidence and mortality rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population.  
Survival rates are relative rates expressed as percents.

Table 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 With Cancer and  
 Lifetime Risk (Percent) of Dying From Cancer

SEER Areas, 1993-95

All Races

Current Age	+10 yrs	+20 yrs	+30 yrs	Eventually
0	0.00	0.02	0.06	1.75
10	0.02	0.06	0.14	1.77
20	0.04	0.12	0.29	1.75
30	0.08	0.26	0.56	1.73
40	0.18	0.48	0.90	1.66
50	0.31	0.74	1.17	1.52
60	0.45	0.90	1.21	1.27

Lifetime Risk of Being Diagnosed = 1.75%  
 Lifetime Risk of Dying = 1.10%

Whites

Current Age	+10 yrs	+20 yrs	+30 yrs	Eventually
0	0.00	0.02	0.05	1.85
10	0.02	0.05	0.14	1.87
20	0.04	0.12	0.31	1.85
30	0.09	0.27	0.59	1.83
40	0.19	0.50	0.95	1.76
50	0.32	0.78	1.23	1.60
60	0.48	0.95	1.27	1.34

Lifetime Risk of Being Diagnosed = 1.85%  
 Lifetime Risk of Dying = 1.18%

Blacks

Current Age	+10 yrs	+20 yrs	+30 yrs	Eventually
0	0.00	0.02	0.05	1.14
10	0.01	0.04	0.10	1.16
20	0.03	0.08	0.19	1.16
30	0.05	0.16	0.34	1.14
40	0.10	0.30	0.60	1.11
50	0.20	0.52	0.87	1.05
60	0.35	0.74	0.91	0.94

Lifetime Risk of Being Diagnosed = 1.14%  
 Lifetime Risk of Dying = 0.65%

Table XX-7  
OVARY CANCER (Invasive)

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

By Race/Ethnicity and Sex

Incidence<sup>i</sup>

RACE/ETHNICITY	Rate 1990-1995	Trend 1990-1995
	Rate per 100,000 persons	EAPC (%)
	<u>Females</u>	<u>Females</u>
All Races	14.9	-1.4★
White	15.7	-1.5★
White Hispanic	12.5	-1.5
White Non-Hispanic	16.1	-1.4★
Black	10.6	0.8
Asian/Pacific Islander <sup>‡</sup>	10.7	0.0
American Indian	-	-
Hispanic <sup>⊙</sup>	11.8	-2.1

Mortality<sup>❖</sup>

RACE/ETHNICITY	Rate 1990-1995	Trend 1990-1995
	Rate per 100,000 persons	EAPC (%)
	<u>Females</u>	<u>Females</u>
All Races	7.7	-0.6
White	8.0	-0.4
White Hispanic	5.2	-1.6
White Non-Hispanic	8.2	-0.4
Black	6.5	-1.6
Asian/Pacific Islander <sup>‡</sup>	4.1	1.4
American Indian	4.2	-6.7
Hispanic <sup>⊙</sup>	4.9	-1.8

- The EAPC is the Estimated Annual Percent Change over the time interval.
- Statistic not shown. Rate based on less than 10 cases per year within the time interval.
- <sup>i</sup> Incidence data are from the 11 SEER areas (San Francisco, Connecticut, Detroit, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, and Los Angeles). Unless specified, other tables use data from 9 SEER areas (San Francisco, Connecticut, Detroit, Iowa, New Mexico, Seattle, Utah, and Atlanta).
- <sup>⊙</sup> Hispanic is not mutually exclusive from whites, blacks, Asian Pacific Islanders, and American Indians. For incidence, all 11 SEER areas are included. For mortality, information is included for all states except Connecticut, Oklahoma, Louisiana, and New Hampshire.
- <sup>❖</sup> Mortality data are analyzed from a public-use file provided by the National Center for Health Statistics (NCHS).
- <sup>‡</sup> Population estimates for the Asian Pacific Islanders rates are adjusted Census Bureau estimates. The population estimates used in Wingo PA, Ries LAG, Rosenberg HM, Miller DS, Edwards BK. Cancer Incidence and mortality, 1973-1995. Cancer 82:1197-207, 1998 were unadjusted.
- <sup>★</sup> The EAPC is significantly different from zero (p<.05).

Table XX-8  
OVARY CANCER (Invasive)AGE-ADJUSTED SEER INCIDENCE RATES§ AND SEER MORTALITY RATES\*  
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§, 1991-95</u>									
REGISTRY									
11 registries	14.8	5.2	44.3	15.6	5.4	47.1	10.5	3.5	32.1
9 registries	14.8	5.2	44.5	15.6	5.5	46.8	10.8	3.5	33.5
San Francisco-Oakland	15.4	5.5	45.8	16.7	5.6	50.6	12.8	4.7	38.1
Connecticut	14.5	5.3	43.1	14.9	5.4	44.2	9.5	3.6	27.6
Metropolitan Detroit	14.5	4.9	44.2	15.6	5.4	47.1	10.1	3.2	31.3
Hawaii	12.6	5.7	34.0	16.0	6.3	46.0	-	-	-
Iowa	15.2	5.7	44.5	15.3	5.7	44.8	-	-	-
New Mexico	13.3	4.7	40.0	13.4	4.7	40.1	-	-	-
Seattle-Puget Sound	17.0	6.0	51.0	17.6	6.2	52.7	12.1	5.4	32.9
Utah	14.7	4.7	45.3	14.8	4.9	45.3	-	-	-
Metropolitan Atlanta	13.9	4.2	43.9	14.8	4.7	45.7	11.0	3.0	35.6
San Jose-Monterey	14.5	5.4	42.7	15.3	5.4	46.1	10.2	4.2	28.5
Los Angeles	14.6	5.2	43.8	15.9	5.4	48.3	9.8	3.6	29.0
<u>SEER MORTALITY RATES*, 1991-95</u>									
REGISTRY									
11 registries	7.7	1.0	28.5	8.2	1.0	30.3	6.2	0.7	23.2
9 registries	7.7	1.0	28.5	8.1	1.0	30.1	6.2	0.7	23.4
San Francisco-Oakland	7.8	0.9	29.0	8.9	1.0	33.0	6.1	0.4	23.7
Connecticut	7.5	1.0	27.6	7.7	1.0	28.2	5.2	0.4	19.9
Metropolitan Detroit	7.8	1.1	28.4	8.1	1.2	29.4	6.7	0.9	24.5
Hawaii	6.2	1.2	21.5	10.1	1.5	36.4	-	-	-
Iowa	7.6	1.0	28.1	7.7	1.0	28.2	-	-	-
New Mexico	6.9	0.9	25.5	7.0	0.9	25.8	-	-	-
Seattle-Puget Sound	9.0	1.0	33.8	9.3	1.0	35.1	6.3	1.2	22.1
Utah	8.1	1.1	29.6	8.1	1.1	29.7	-	-	-
Metropolitan Atlanta	7.1	0.8	26.3	7.6	0.9	28.1	5.8	0.6	21.5
San Jose-Monterey	7.1	1.1	25.6	7.6	1.2	27.3	9.9	1.1	36.9
Los Angeles	7.8	1.0	29.1	8.6	1.0	31.9	6.1	0.9	22.1

Note: San Jose-Monterey and Los Angeles are new SEER areas as of 1992 and their data are only used in tables where indicated.  
 § SEER Program. Incidence rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population.  
 \* NCHS public use tape. Mortality rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population.  
 - Statistic could not be calculated or populations are inadequate.



Table XX-9  
OVARY CANCER (Invasive)

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

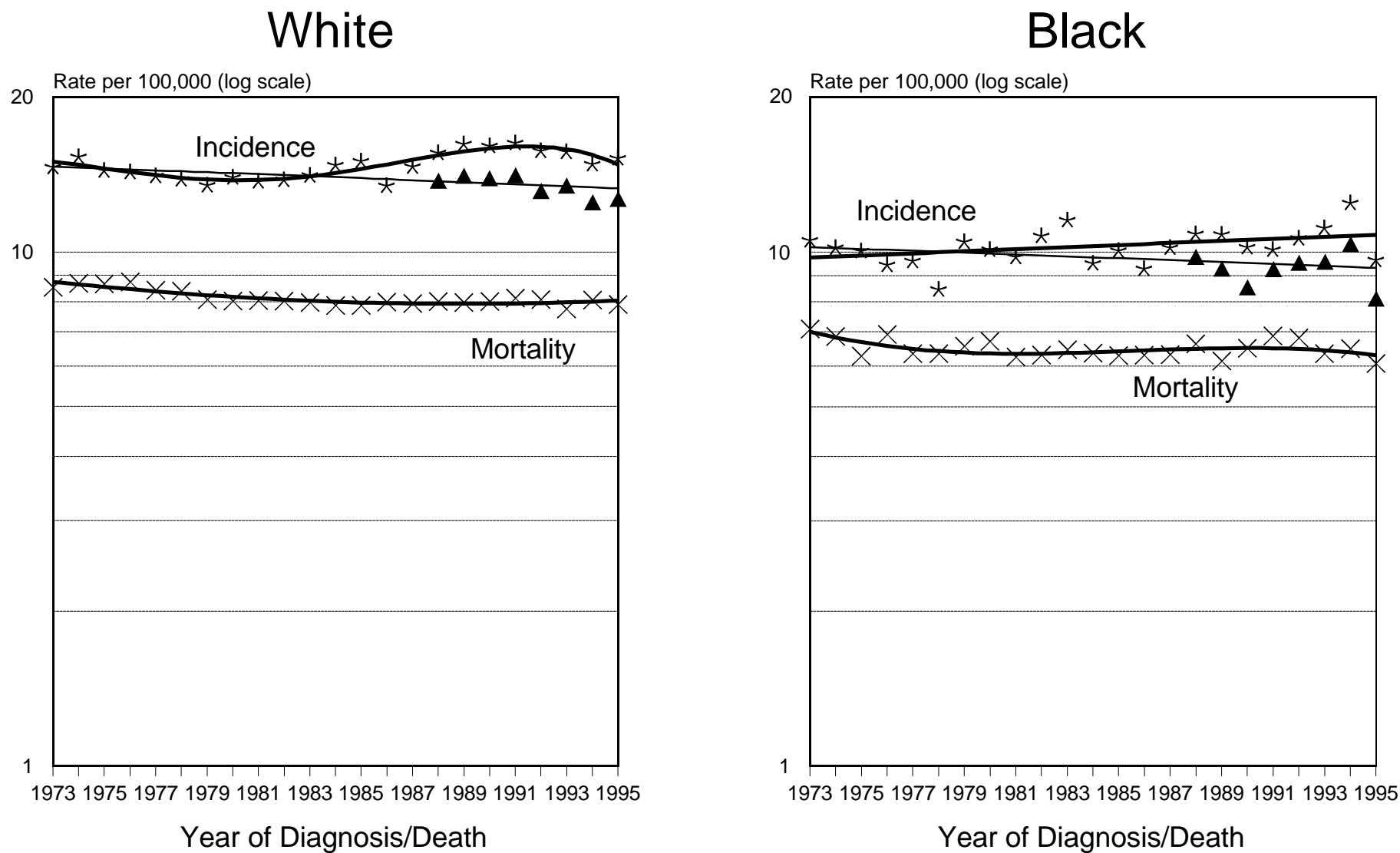
All Races, Females

State	Rate	SE	Rank	PD
TOTAL U.S.	7.7	0.03		
High Five States				
New Hampshire	9.4*	0.55	(01)	22.1
Vermont	9.4*	0.75	(02)	22.1
North Dakota	9.0*	0.68	(03)	16.9
Washington	9.0*	0.25	(04)	16.9
New Jersey	9.0⊕*	0.19	(05)	16.9
Low Five States				
District of Columbia	6.9	0.60	(47)	-10.4
Colorado	6.7	0.27	(48)	-13.0
Mississippi	6.2⊕*	0.28	(49)	-19.5
Louisiana	6.2⊕*	0.22	(50)	-19.5
Hawaii	6.2*	0.44	(51)	-19.5

State	Rate	SE	Rank	PD	State	Rate	SE	Rank	PD
Alabama	7.2	0.23	(39)	-6.5	Montana	8.1	0.57	(15)	5.2
Alaska	7.2	0.93	(38)	-6.5	Nebraska	7.3	0.38	(36)	-5.2
Arizona	7.6	0.25	(26)	-1.3	Nevada	6.9	0.42	(45)	-10.4
Arkansas	7.6	0.30	(25)	-1.3	New Hampshire	9.4*	0.55	(01)	22.1
California	7.8	0.10	(23)	1.3	New Jersey	9.0⊕*	0.19	(05)	16.9
Colorado	6.7	0.27	(48)	-13.0	New Mexico	6.9	0.39	(43)	-10.4
Connecticut	7.5	0.26	(30)	-2.6	New York	8.3	0.12	(11)	7.8
Delaware	8.3	0.62	(10)	7.8	North Carolina	7.1	0.18	(41)	-7.8
District of Columbia	6.9	0.60	(47)	-10.4	North Dakota	9.0*	0.68	(03)	16.9
Florida	7.6	0.12	(27)	-1.3	Ohio	7.9	0.15	(20)	2.6
Georgia	7.2	0.20	(37)	-6.5	Oklahoma	6.9	0.26	(44)	-10.4
Hawaii	6.2*	0.44	(51)	-19.5	Oregon	8.3	0.29	(13)	7.8
Idaho	8.8	0.53	(07)	14.3	Pennsylvania	8.4	0.14	(08)	9.1
Illinois	7.8	0.15	(21)	1.3	Rhode Island	7.4	0.48	(34)	-3.9
Indiana	8.2	0.21	(14)	6.5	South Carolina	7.9	0.27	(19)	2.6
Iowa	7.6	0.28	(24)	-1.3	South Dakota	6.9	0.56	(46)	-10.4
Kansas	8.3	0.33	(12)	7.8	Tennessee	7.2	0.21	(40)	-6.5
Kentucky	7.5	0.25	(29)	-2.6	Texas	7.0⊕	0.12	(42)	-9.1
Louisiana	6.2⊕*	0.22	(50)	-19.5	Utah	8.1	0.45	(16)	5.2
Maine	8.8	0.48	(06)	14.3	Vermont	9.4*	0.75	(02)	22.1
Maryland	7.5	0.23	(28)	-2.6	Virginia	7.4	0.20	(33)	-3.9
Massachusetts	8.0	0.21	(17)	3.9	Washington	9.0*	0.25	(04)	16.9
Michigan	7.8	0.17	(22)	1.3	West Virginia	7.3	0.34	(35)	-5.2
Minnesota	7.9	0.25	(18)	2.6	Wisconsin	8.3	0.23	(09)	7.8
Mississippi	6.2⊕*	0.28	(49)	-19.5	Wyoming	7.4	0.76	(32)	-3.9
Missouri	7.5	0.21	(31)	-2.6					

\* NCHS public use tape. Rates are per 100,000 and are age-adjusted to the 1970 U.S. standard population.  
SE Standard error of the rate.  
PD Percent difference between state rate and total U.S. rate.  
\* Absolute difference between state rate and total U.S. rate is 15% or more.  
⊕ Difference between state rate and total U.S. rate is statistically significant (p<=.0002).

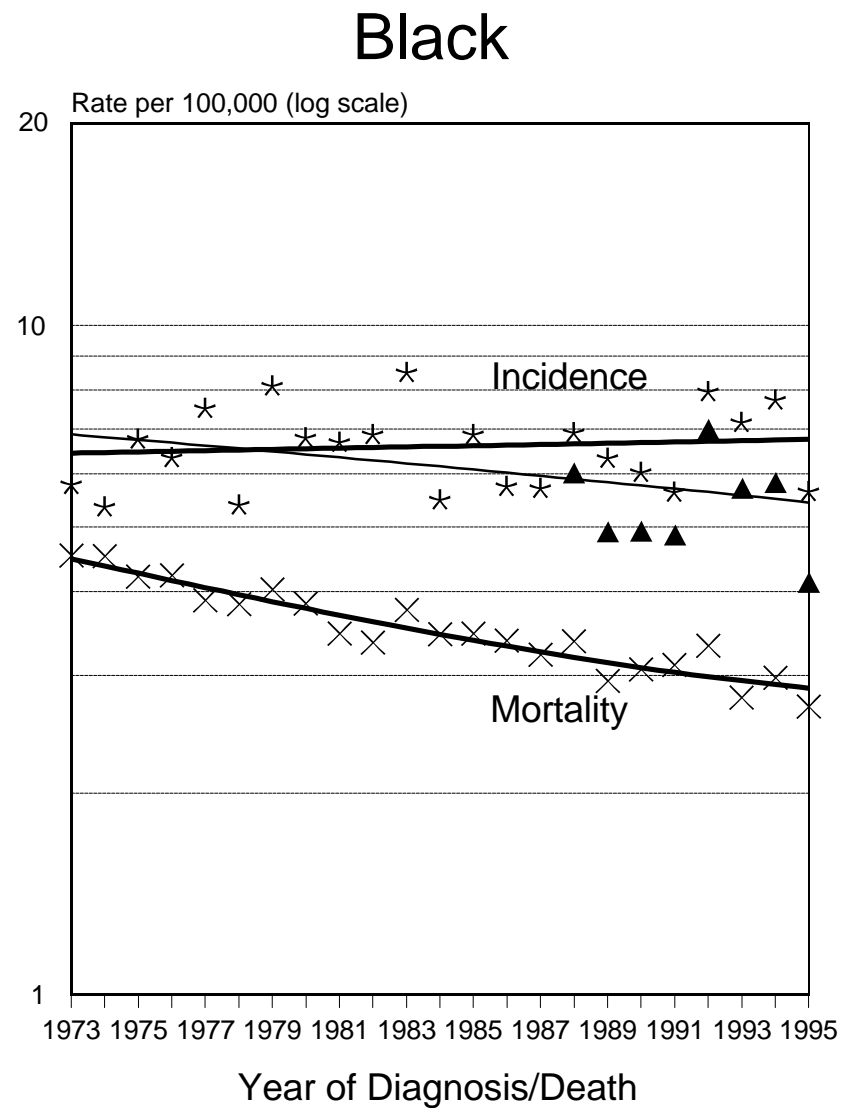
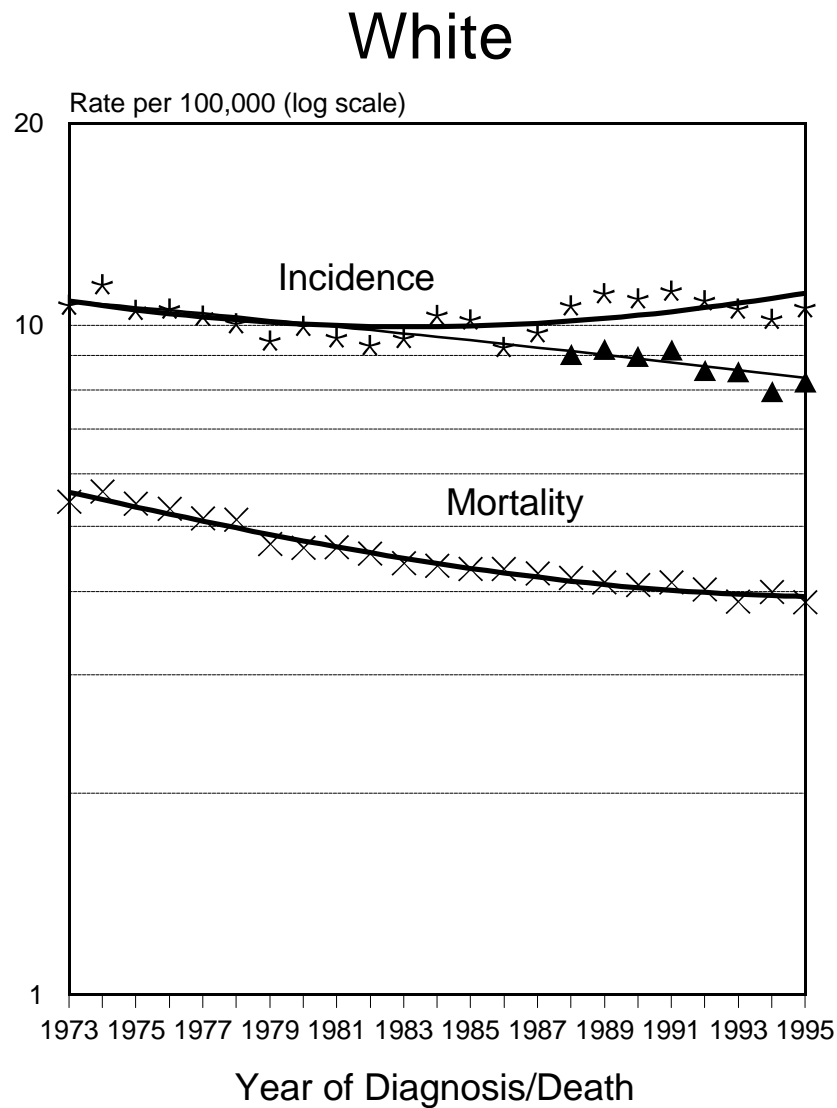
# SEER Incidence and U.S. Mortality Ovary, All Ages By Race



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

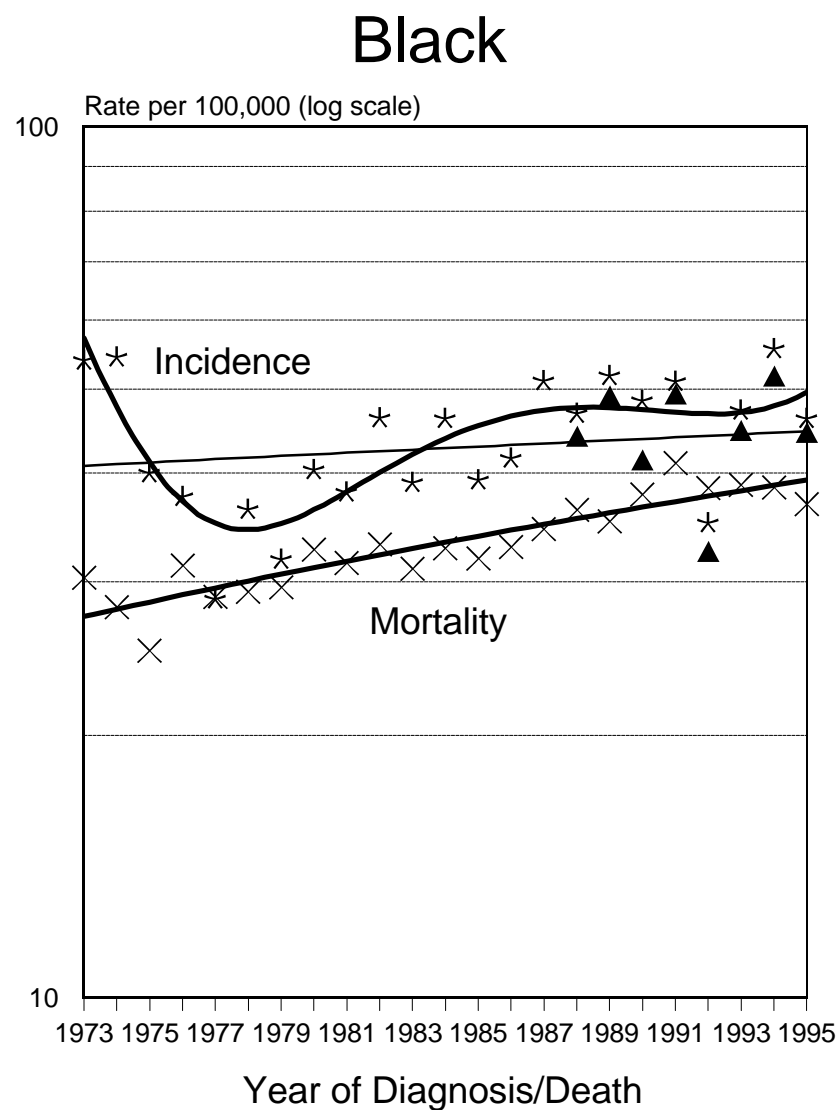
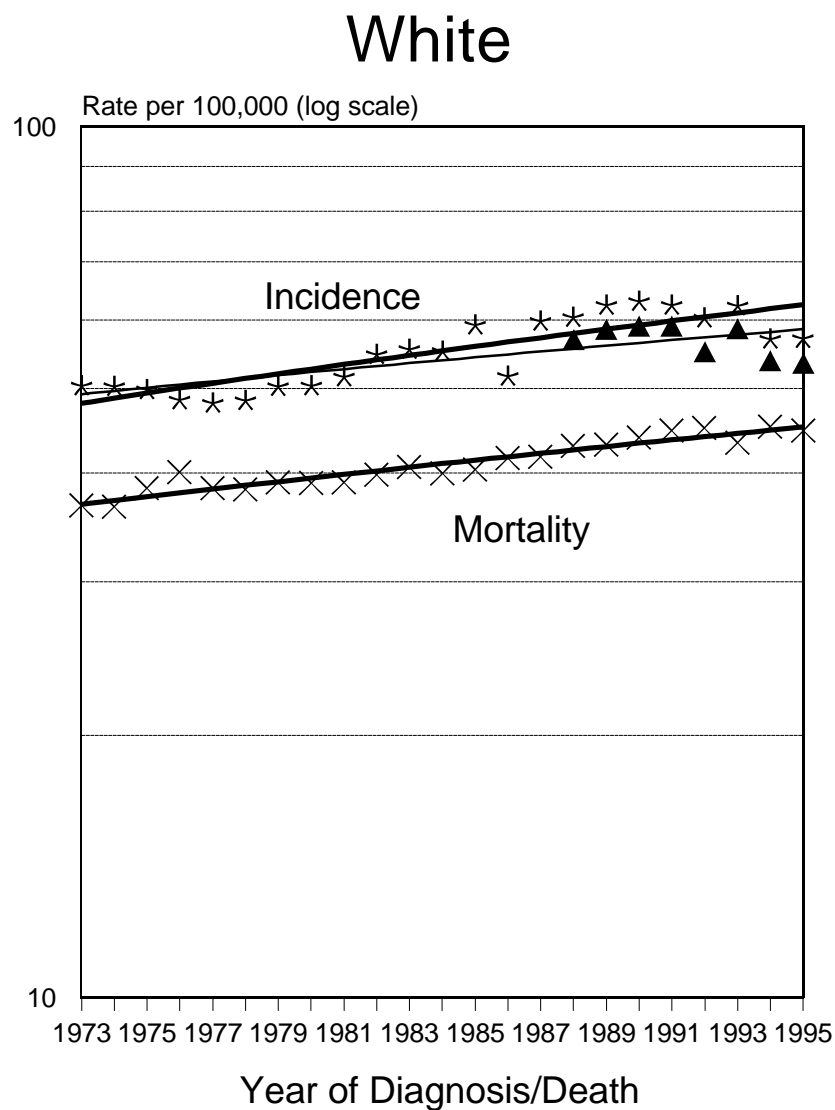
Figure XX-1

# SEER Incidence and U.S. Mortality Ovary, Under 65 Years of Age By Race



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. Mortality Ovary, Ages 65 and Over By Race



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