

Table I-20  
 US AND SEER DEATH RATES BY PRIMARY CANCER SITE AND RACE/ETHNICITY, 2001-2005

Site		Total United States <sup>a</sup>							SEER 17 Areas <sup>ab</sup>						
		Total	White	Black	AI/AN <sup>c</sup>	API <sup>d</sup>	Hispanic <sup>e</sup>	W-NHispanic <sup>e</sup>	Total	White	Black	AI/AN <sup>c</sup>	API <sup>d</sup>	Hispanic <sup>e</sup>	W-NHispanic <sup>e</sup>
All Sites	Both Sexes	189.8	188.0	234.0	161.7	113.8	127.0	192.2	183.7	184.7	236.0	144.0	121.9	126.7	191.2
	Male	234.4	230.7	313.0	190.0	138.8	159.0	235.6	223.2	223.0	308.5	169.2	149.9	155.5	230.3
	Female	159.9	159.2	186.7	142.0	95.9	105.2	163.0	157.4	159.3	191.6	125.4	101.7	107.1	165.3
Oral Cavity & Pharynx	Both Sexes	2.6	2.5	3.7	2.4	2.2	1.6	2.6	2.7	2.6	3.8	2.6	2.4	1.5	2.7
	Male	4.0	3.8	6.7	3.8	3.3	2.6	3.9	4.0	3.8	6.5	3.2	3.5	2.4	4.0
	Female	1.5	1.5	1.6	1.3	1.4	0.8	1.5	1.6	1.5	1.8	2.0	1.5	0.8	1.6
Esophagus	Both Sexes	4.4	4.4	5.7	4.0	1.8	2.3	4.5	4.1	4.2	5.0	4.2	1.9	2.3	4.5
	Male	7.8	7.8	9.8	7.1	3.1	4.2	8.1	7.2	7.4	8.9	7.3	3.3	4.1	7.9
	Female	1.7	1.6	2.8	1.6	0.8	0.9	1.7	1.7	1.7	2.3	1.9	0.9	0.9	1.7
Stomach	Both Sexes	4.1	3.6	7.8	7.1	7.6	6.5	3.3	4.6	4.0	8.1	7.3	7.9	7.1	3.5
	Male	5.7	5.0	11.5	9.9	10.1	8.7	4.7	6.4	5.5	11.8	10.4	10.6	9.4	5.0
	Female	2.9	2.5	5.5	5.2	5.9	4.9	2.3	3.3	2.8	5.6	5.2	5.9	5.5	2.4
Colon & Rectum	Both Sexes	18.8	18.3	26.1	16.9	12.0	13.3	18.6	18.1	17.8	26.4	16.5	13.0	12.5	18.4
	Male	22.7	22.1	31.8	20.5	14.4	16.5	22.5	21.6	21.3	31.1	19.0	16.0	15.8	21.9
	Female	15.9	15.3	22.4	14.2	10.2	10.8	15.6	15.5	15.1	23.2	14.5	10.8	10.0	15.7
Liver & Intrahepatic Bile Duct	Both Sexes	5.0	4.6	6.7	8.5	10.4	7.8	4.3	5.6	4.9	7.0	8.7	10.7	7.7	4.5
	Male	7.3	6.7	10.3	10.6	15.2	11.1	6.3	8.1	7.0	11.1	11.0	15.5	10.8	6.4
	Female	3.1	2.9	3.9	6.6	6.6	5.1	2.7	3.5	3.2	4.0	6.8	6.8	5.2	2.9
Pancreas	Both Sexes	10.6	10.4	13.7	7.8	7.4	8.3	10.5	10.6	10.6	14.1	7.4	7.9	8.6	10.8
	Male	12.2	12.1	15.4	8.6	8.0	9.1	12.3	12.1	12.1	15.2	9.2	8.6	8.7	12.5
	Female	9.3	9.0	12.4	7.2	6.9	7.6	9.1	9.4	9.3	13.0	6.1	7.3	8.3	9.4
Larynx	Both Sexes	1.3	1.2	2.4	1.2	0.4	0.9	1.2	1.2	1.1	2.5	-	0.4	0.8	1.2
	Male	2.3	2.1	4.8	2.1	0.8	1.9	2.2	2.2	2.0	5.0	-	0.9	1.7	2.1
	Female	0.5	0.5	0.8	-	0.1	0.2	0.5	0.4	0.4	0.8	-	0.1	0.1	0.5
Lung & Bronchus	Both Sexes	54.1	54.4	60.9	40.9	26.6	23.2	56.9	49.7	50.7	61.4	31.4	28.5	22.0	54.3
	Male	72.0	71.3	93.1	50.2	37.5	35.1	74.2	64.3	64.3	90.6	39.6	40.7	31.9	68.2
	Female	41.0	42.0	39.9	33.8	18.5	14.6	44.3	39.1	40.8	42.0	25.0	19.4	14.8	44.2
Melanoma of the Skin	Both Sexes	2.7	3.0	0.4	1.1	0.4	0.7	3.3	2.6	3.0	0.4	1.0	0.4	0.7	3.4
	Male	3.9	4.4	0.5	1.5	0.5	0.9	4.7	3.8	4.5	0.5	-	0.5	0.9	5.0
	Female	1.7	2.0	0.4	0.7	0.3	0.6	2.1	1.6	1.9	0.3	-	0.3	0.5	2.1
Breast	Female	25.0	24.4	33.5	17.1	12.6	15.8	25.0	24.9	24.8	34.6	14.5	14.1	15.4	25.9

- <sup>a</sup> US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention. Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).
- <sup>b</sup> The SEER 17 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.
- <sup>c</sup> Rates for American Indian/Alaska Native (AI/AN) are based on the CHSDA (Contract Health Service Delivery Area) counties.
- <sup>d</sup> Asian/Pacific Islander.
- <sup>e</sup> Hispanic (Hispanic) and White Non-Hispanic (W-NHispanic) are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Mortality data for Hispanics and White Non-Hispanics do not include cases from Minnesota, New Hampshire, and North Dakota.
- Statistic could not be calculated due to less than 16 cases in the time interval.

Table I-20 - continued  
 US AND SEER DEATH RATES BY PRIMARY CANCER SITE AND RACE/ETHNICITY, 2001-2005

Site		Total United States <sup>a</sup>							SEER 17 Areas <sup>ab</sup>						
		Total	White	Black	AI/AN <sup>c</sup>	API <sup>d</sup>	Hispe	W-NHispe <sup>e</sup>	Total	White	Black	AI/AN <sup>c</sup>	API <sup>d</sup>	Hispe	W-NHispe <sup>e</sup>
Cervix	Female	2.5	2.3	4.7	3.7	2.2	3.2	2.2	2.4	2.2	4.2	2.4	2.2	3.2	2.0
Corpus & Uterus, NOS	Female	4.1	3.9	7.1	3.1	2.4	3.2	3.9	4.1	4.0	6.9	2.9	2.7	3.1	4.1
Ovary	Female	8.8	9.2	7.5	7.5	4.9	6.0	9.4	8.9	9.5	7.5	8.3	5.2	6.4	9.8
Prostate	Male	26.7	24.6	59.4	21.1	11.0	20.6	24.6	26.2	25.1	56.7	17.1	12.1	20.8	25.4
Testis	Male	0.3	0.3	0.2	-	0.1	0.2	0.3	0.3	0.3	0.2	-	0.1	0.3	0.3
Urinary Bladder	Both Sexes	4.3	4.5	3.7	1.9	1.8	2.4	4.6	4.2	4.5	3.8	1.4	2.0	2.4	4.7
	Male	7.5	7.9	5.4	2.9	2.9	4.0	8.1	7.2	7.8	5.3	-	3.2	3.9	8.2
	Female	2.3	2.2	2.8	1.2	1.0	1.3	2.3	2.2	2.2	3.0	-	1.1	1.4	2.3
Kidney & Renal Pelvis	Both Sexes	4.2	4.3	4.1	6.5	1.7	3.7	4.3	4.0	4.2	4.1	5.2	1.8	3.7	4.2
	Male	6.0	6.2	6.1	9.3	2.4	5.3	6.2	5.8	6.0	6.2	7.8	2.6	5.2	6.1
	Female	2.7	2.8	2.7	4.3	1.2	2.4	2.8	2.6	2.8	2.7	3.1	1.2	2.6	2.8
Brain & Nervous System	Both Sexes	4.4	4.7	2.6	2.1	2.0	2.8	4.9	4.3	4.8	2.7	1.8	2.1	3.0	5.0
	Male	5.4	5.7	3.2	2.8	2.6	3.4	6.0	5.3	5.8	3.3	2.5	2.8	3.5	6.2
	Female	3.6	3.9	2.1	1.4	1.5	2.4	4.0	3.5	3.9	2.2	-	1.6	2.5	4.1
Thyroid	Both Sexes	0.5	0.5	0.5	0.4	0.6	0.6	0.5	0.5	0.5	0.4	-	0.6	0.6	0.5
	Male	0.5	0.5	0.4	-	0.4	0.5	0.5	0.5	0.5	0.3	-	0.4	0.5	0.5
	Female	0.5	0.5	0.5	-	0.7	0.6	0.4	0.5	0.5	0.5	-	0.8	0.7	0.5
Hodgkin Lymphoma	Both Sexes	0.4	0.5	0.4	-	0.2	0.4	0.5	0.5	0.5	0.4	-	0.3	0.4	0.5
	Male	0.5	0.6	0.5	-	0.3	0.6	0.6	0.6	0.6	0.5	-	0.3	0.6	0.6
	Female	0.4	0.4	0.3	-	0.2	0.3	0.4	0.4	0.4	0.4	-	0.2	0.3	0.4
Non-Hodgkin Lymphoma	Both Sexes	7.3	7.6	5.1	5.4	4.6	5.5	7.7	7.2	7.6	5.3	4.4	5.0	5.5	7.8
	Male	9.3	9.7	6.4	5.8	5.6	6.7	9.8	9.2	9.7	6.6	4.4	6.1	6.7	10.0
	Female	5.9	6.2	4.2	4.9	3.8	4.7	6.2	5.7	6.0	4.3	4.2	4.2	4.6	6.1
Myeloma	Both Sexes	3.7	3.4	6.9	3.9	1.6	3.0	3.4	3.6	3.5	7.1	3.0	1.8	3.3	3.5
	Male	4.6	4.3	8.3	4.6	1.9	3.6	4.3	4.6	4.5	8.6	3.2	2.0	4.0	4.5
	Female	3.0	2.8	6.0	3.6	1.4	2.6	2.8	3.0	2.8	6.2	2.9	1.5	2.8	2.8
Leukemia	Both Sexes	7.4	7.6	6.5	4.9	3.9	5.0	7.7	7.2	7.5	6.7	4.5	4.1	4.9	7.7
	Male	9.9	10.2	8.5	5.7	5.1	6.3	10.4	9.6	10.0	9.0	5.6	5.2	6.1	10.3
	Female	5.6	5.7	5.2	4.1	3.0	4.0	5.8	5.5	5.7	5.2	3.4	3.2	4.0	5.8

<sup>a</sup> US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention. Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> The SEER 17 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

<sup>c</sup> Rates for American Indian/Alaska Native (AI/AN) are based on the CHSDA (Contract Health Service Delivery Area) counties.

<sup>d</sup> Asian/Pacific Islander.

<sup>e</sup> Hispanic (Hispe) and White Non-Hispanic (W-NHispe) are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Mortality data for Hispanics and White Non-Hispanics do not include cases from Minnesota, New Hampshire, and North Dakota.

- Statistic could not be calculated due to less than 16 cases in the time interval.

Table I-23  
AGE-ADJUSTED SEER INCIDENCE RATES AND TRENDS FOR THE TOP 15 CANCER SITES<sup>a</sup> BY RACE/ETHNICITY

## Both Sexes

	All Races		White		Black	
	Rate <sup>b</sup> 2001-2005	APC <sup>c</sup> 1996-2005	Rate <sup>b</sup> 2001-2005	APC <sup>c</sup> 1996-2005	Rate <sup>b</sup> 2001-2005	APC <sup>c</sup> 1996-2005
All Sites	467.4	-0.8*	475.3	-0.7*	500.6	-1.1*
Prostate <sup>f</sup>	72.0	-0.6	70.4	-1.6*	102.9	-1.9*
Breast	68.5	-1.5*	69.8	-0.5	76.0	-1.7*
Lung and Bronchus	63.9	-1.4*	65.1	-1.3*	67.4	-0.8*
Colon and Rectum	50.6	-2.0*	50.1	-2.2*	61.2	-0.9
Urinary Bladder	21.2	0.0	23.0	0.1	15.2	-0.7
Non-Hodgkin Lymphoma	19.5	0.2	22.6	2.2*	14.9	0.4
Melanoma of the Skin	19.4	1.6*	20.3	0.3	14.8	1.9*
Kidney and Renal Pelvis	13.2	2.2*	13.7	2.3*	12.8	0.6
Corpus and Uterus, NOS <sup>f</sup>	12.6	-1.0*	13.1	-1.2*	12.4	-3.4*
Leukemia	12.3	-0.8*	12.9	-0.8*	11.7	1.5
Pancreas	11.5	0.3	11.4	0.5*	11.6	-0.5
Oral Cavity and Pharynx	10.4	-1.6*	10.6	-1.3*	10.8	-3.0*
Thyroid	9.1	5.8*	9.5	6.1*	10.1	-0.4
Stomach	8.0	-1.7*	7.6	-1.6*	8.0	3.9*
Ovary <sup>fh</sup>	7.3	-1.4*	7.1	-0.3	6.0	-4.9*
	Asian/Pacific Islander		American Indian/Alaska Native <sup>d</sup>		Hispanic <sup>e</sup>	
	Rate <sup>b</sup> 2001-2005	APC <sup>c</sup> 1996-2005	Rate <sup>b</sup> 2001-2005	APC <sup>c</sup> 1996-2005	Rate <sup>b</sup> 2001-2005	APC <sup>c</sup> 1996-2005
All Sites	313.5	-0.7*	312.7	-0.4	357.6	-0.7*
Breast	49.0	-0.4	46.0	0.8	60.0	-0.7
Colon and Rectum	40.9	-1.6*	43.5	-0.4	48.4	-0.8*
Prostate <sup>f</sup>	40.5	-0.3	40.5	0.0	39.2	-1.2*
Lung and Bronchus	39.1	-0.7*	32.3	-2.6	33.3	-2.0*
Liver & IBD <sup>g</sup>	14.3	0.0	15.8	0.9	16.7	-0.3
Stomach	13.9	-2.9*	11.6	-1.3	13.0	2.8*
Non-Hodgkin Lymphoma	13.2	0.1	11.0	1.5	12.1	-1.8*
Urinary Bladder	9.3	0.4	9.9	4.6	11.7	0.2
Pancreas	9.0	0.0	9.3	-0.4	10.6	-0.1
Corpus and Uterus, NOS <sup>f</sup>	9.0	0.8	8.2	-1.2	10.0	1.2
Thyroid	8.9	3.4*	7.5	-0.3	9.6	-0.8
Oral Cavity and Pharynx	7.8	-2.1*	7.1	-	9.6	0.9
Leukemia	7.3	-1.3	7.1	-2.8	8.0	4.5*
Kidney and Renal Pelvis	6.6	1.8*	6.2	-3.6	6.8	-3.8*
Ovary <sup>fh</sup>	5.3	-0.1	5.9	2.2	6.4	-0.5

- Statistic not shown. Rate based on less than 16 cases for the time interval. Trend based on less than 10 cases for at least one year within the time interval.

<sup>a</sup> Top 15 cancer sites selected based on 2001-2005 age-adjusted rates for the race/ethnic group.

<sup>b</sup> Incidence data used in calculating the rates are from the 17 SEER areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey). Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>c</sup> The APC is the Annual Percent Change over the time interval. Incidence data used in calculating the trends are from the 13 SEER areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>d</sup> Rates for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

<sup>e</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives.

<sup>f</sup> Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry and Kentucky.

<sup>g</sup> The rates for sex-specific cancer sites are calculated using the population for both sexes combined.

<sup>h</sup> IBD = Intrahepatic Bile Duct. ONS = Other Nervous System.

\* Ovary excludes borderline cases or histologies 8442, 8451, 8462, 8472, and 8473.

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

Table I-24  
AGE-ADJUSTED SEER INCIDENCE RATES AND TRENDS FOR THE TOP 15 CANCER SITES<sup>a</sup> BY RACE/ETHNICITY

	Males					
	All Races		White		Black	
	Rate <sup>b</sup> 2001-2005	APC <sup>c</sup> 1996-2005	Rate <sup>b</sup> 2001-2005	APC <sup>c</sup> 1996-2005	Rate <sup>b</sup> 2001-2005	APC <sup>c</sup> 1996-2005
All Sites	549.3	-1.0*	551.4	-0.9*	651.5	-1.9*
Prostate	163.0	-1.1	156.7	-1.1	248.5	-2.2*
Lung and Bronchus	79.4	-2.2*	79.3	-2.1*	107.6	-3.2*
Colon and Rectum	59.2	-2.4*	58.9	-2.6*	71.2	-0.8
Urinary Bladder	37.3	-0.1	40.6	-0.1	21.3	2.8*
Melanoma of the Skin	24.6	1.7*	28.5	2.2*	20.4	0.5
Non-Hodgkin Lymphoma	23.5	-0.1	24.3	0.0	18.4	-0.1
Kidney and Renal Pelvis	18.3	1.9*	18.8	2.0*	17.4	-3.6*
Leukemia	16.0	-1.1*	16.7	-1.0*	17.2	-3.9*
Oral Cavity and Pharynx	15.5	-1.7*	15.7	-1.3*	16.2	-1.3
Pancreas	13.0	0.2	13.0	0.3	14.4	0.2
Stomach	11.3	-2.2*	10.0	-2.3*	13.2	4.3*
Liver & IBD <sup>f</sup>	9.9	2.2*	8.4	-0.6	13.0	-1.2
Esophagus	7.8	-0.1	8.2	2.2*	10.9	-3.4*
Brain and ONS <sup>f</sup>	7.6	-0.8*	8.0	0.9	9.9	-5.3*
Myeloma	7.0	-0.6	6.6	-0.7	4.7	-0.4
	Asian/Pacific Islander		American Indian/Alaska Native <sup>d</sup>		Hispanic <sup>e</sup>	
	Rate <sup>b</sup> 2001-2005	APC <sup>c</sup> 1996-2005	Rate <sup>b</sup> 2001-2005	APC <sup>c</sup> 1996-2005	Rate <sup>b</sup> 2001-2005	APC <sup>c</sup> 1996-2005
All Sites	354.0	-0.9*	336.6	-1.3	419.4	-1.1*
Prostate	93.8	-0.2	73.3	-2.8	138.0	-1.2
Lung and Bronchus	53.9	-1.2*	54.3	-2.2	47.3	-1.8*
Colon and Rectum	48.0	-2.2*	46.0	-0.7	44.2	-2.3*
Liver & IBD <sup>f</sup>	21.7	-0.2	19.5	-0.7	20.2	0.1
Stomach	18.6	-2.7*	16.8	-	19.2	-0.6
Urinary Bladder	16.3	0.9	14.4	-	17.4	3.2*
Non-Hodgkin Lymphoma	16.0	-0.1	13.3	-	15.5	-2.9*
Oral Cavity and Pharynx	10.5	-2.8*	12.4	-	15.0	1.4
Pancreas	10.1	0.2	10.9	-	11.7	-0.9
Leukemia	9.1	-1.8	9.7	-	10.9	-0.2
Kidney and Renal Pelvis	9.1	1.1	7.9	-	9.4	-2.1*
Thyroid	4.1	1.7	7.1	-	6.8	-0.6
Esophagus	4.0	-3.2*	4.6	-	6.2	2.4
Brain and ONS <sup>f</sup>	4.0	-1.2	4.2	-	5.5	-1.0
Myeloma	3.8	-2.4*	4.0	-	5.1	-3.3*

- Statistic not shown. Rate based on less than 16 cases for the time interval. Trend based on less than 10 cases for at least one year within the time interval.

<sup>a</sup> Top 15 cancer sites selected based on 2001-2005 age-adjusted rates for the race/ethnic group.

<sup>b</sup> Incidence data used in calculating the rates are from the 17 SEER areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey). Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>c</sup> The APC is the Annual Percent Change over the time interval. Incidence data used in calculating the trends are from the 13 SEER areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>d</sup> Rates for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

<sup>e</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives.

Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry and Kentucky.

<sup>f</sup> IBD = Intrahepatic Bile Duct. ONS = Other Nervous System.

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

Table I-25  
AGE-ADJUSTED SEER INCIDENCE RATES AND TRENDS FOR THE TOP 15 CANCER SITES<sup>a</sup> BY RACE/ETHNICITY

	Females					
	All Races		White		Black	
	Rate <sup>b</sup> 2001-2005	APC <sup>c</sup> 1996-2005	Rate <sup>b</sup> 2001-2005	APC <sup>c</sup> 1996-2005	Rate <sup>b</sup> 2001-2005	APC <sup>c</sup> 1996-2005
All Sites	411.0	-0.7*	423.6	-0.6*	398.9	-0.4*
Breast	126.1	-1.4*	130.6	-1.4*	117.5	-0.7*
Lung and Bronchus	52.6	-0.5*	54.9	-0.6*	54.6	0.4
Colon and Rectum	43.8	-1.7*	43.2	-1.9*	54.5	-0.9*
Corpus and Uterus, NOS	23.4	-0.7*	24.3	-0.9*	20.3	1.6*
Non-Hodgkin Lymphoma	16.3	0.7	18.5	2.3*	14.3	-0.2
Melanoma of the Skin	15.6	1.6*	17.1	0.8*	12.1	1.0
Thyroid	13.4	6.1*	14.1	6.4*	10.8	-4.8*
Ovary <sup>g</sup>	13.3	-1.2*	14.1	-1.4*	10.1	0.5
Pancreas	10.3	0.4	10.0	0.6	10.1	0.4
Leukemia	9.5	-0.8	10.0	-0.2	9.8	-1.2
Urinary Bladder	9.4	-0.3	9.9	-0.9	8.9	-3.1*
Kidney and Renal Pelvis	9.2	2.3*	9.5	2.5*	8.0	0.1
Cervix Uteri	8.4	-3.6*	8.2	-3.0*	8.0	6.5*
Oral Cavity and Pharynx	6.1	-1.6*	6.1	-1.8*	7.7	0.4
Stomach	5.5	-1.2*	6.0	0.0	5.9	-1.1
	Asian/Pacific Islander		American Indian/Alaska Native <sup>d</sup>		Hispanic <sup>e</sup>	
	Rate <sup>b</sup> 2001-2005	APC <sup>c</sup> 1996-2005	Rate <sup>b</sup> 2001-2005	APC <sup>c</sup> 1996-2005	Rate <sup>b</sup> 2001-2005	APC <sup>c</sup> 1996-2005
All Sites	287.8	-0.3	296.4	0.4	317.8	-0.4
Breast	89.6	-0.5	75.0	0.1	90.1	-0.6
Colon and Rectum	35.4	-0.9	41.2	0.2	32.8	-0.8*
Lung and Bronchus	28.0	0.4	39.7	5.1*	25.4	-1.7*
Corpus and Uterus, NOS	16.5	0.8	15.3	-1.1	17.8	1.2
Thyroid	13.3	3.9*	12.7	-	14.6	0.2
Non-Hodgkin Lymphoma	11.1	0.7	11.3	-3.5	13.2	-3.5*
Stomach	10.5	-2.9*	9.3	-	12.5	5.1*
Ovary <sup>g</sup>	9.8	-0.2	8.8	0.9	11.7	-0.2
Liver & IBD <sup>f</sup>	8.3	0.7	8.2	-	10.3	-0.2
Pancreas	8.2	-0.3	7.7	-	9.6	1.8*
Cervix Uteri	8.0	-5.7*	6.9	-	9.5	-0.7
Leukemia	5.9	-0.6	6.9	-3.6	8.0	-0.8
Oral Cavity and Pharynx	5.4	-0.9	6.3	-	5.8	0.1
Kidney and Renal Pelvis	4.6	3.2*	5.1	-	5.5	0.0
Urinary Bladder	4.1	-0.1	4.9	-	4.9	-0.1

- Statistic not shown. Rate based on less than 16 cases for the time interval. Trend based on less than 10 cases for at least one year within the time interval.

<sup>a</sup> Top 15 cancer sites selected based on 2001-2005 age-adjusted rates for the race/ethnic group.

<sup>b</sup> Incidence data used in calculating the rates are from the 17 SEER areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey). Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>c</sup> The APC is the Annual Percent Change over the time interval. Incidence data used in calculating the trends are from the 13 SEER areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>d</sup> Rates for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

<sup>e</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives.

Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry and Kentucky.

<sup>f</sup> IBD = Intrahepatic Bile Duct. ONS = Other Nervous System.

<sup>g</sup> Ovary excludes borderline cases or histologies 8442, 8451, 8462, 8472, and 8473.

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

Table I-26  
AGE-ADJUSTED U.S. DEATH RATES AND TRENDS FOR THE TOP 15 CANCER SITES<sup>a</sup> BY RACE/ETHNICITY

## Both Sexes

	All Races		White		Black	
	Rate <sup>b</sup> 2001-2005	APC <sup>c</sup> 1996-2005	Rate <sup>b</sup> 2001-2005	APC <sup>c</sup> 1996-2005	Rate <sup>b</sup> 2001-2005	APC <sup>c</sup> 1996-2005
All Sites	189.8	-1.3*	188.0	-1.1*	234.0	-1.9*
Lung and Bronchus	54.1	-1.0*	54.4	-0.9*	60.9	-1.7*
Colon and Rectum	18.8	-2.4*	18.3	-2.5*	26.1	-1.7*
Breast	14.1	-2.2*	13.7	-2.4*	20.9	-3.8*
Pancreas	10.6	0.2*	10.4	0.4*	19.9	-1.5*
Prostate <sup>f</sup>	10.1	-3.5*	9.3	-3.4*	13.7	-0.8*
Leukemia	7.4	-0.9*	7.6	-2.9*	7.8	-3.5*
Non-Hodgkin Lymphoma	7.3	-2.9*	7.6	-0.7*	6.9	-1.8*
Liver & IBD <sup>g</sup>	5.0	1.9*	5.1	-0.3	6.7	1.9*
Ovary <sup>f</sup>	5.0	-0.4	4.7	-1.0*	6.5	-1.5*
Esophagus	4.4	0.3*	4.6	1.9*	5.7	-4.4*
Brain and ONS <sup>g</sup>	4.4	-1.1*	4.5	0.0	5.1	-3.1*
Urinary Bladder	4.3	-0.2	4.4	1.2*	4.5	-0.2
Kidney and Renal Pelvis	4.2	-0.3	4.3	-0.2	4.3	0.1
Stomach	4.1	-3.2*	3.6	-3.3*	4.1	-0.5
Myeloma	3.7	-1.0*	3.4	-0.8*	3.7	-3.4*

	Asian/Pacific Islander		American Indian/Alaska Native <sup>d</sup>		Hispanic <sup>e</sup>	
	Rate <sup>b</sup> 2001-2005	APC <sup>c</sup> 1996-2005	Rate <sup>b</sup> 2001-2005	APC <sup>c</sup> 1996-2005	Rate <sup>b</sup> 2001-2005	APC <sup>c</sup> 1996-2005
All Sites	113.8	-1.7*	161.7	-0.4	127.0	-1.4*
Lung and Bronchus	26.6	-1.3*	40.9	0.0	23.2	-1.6*
Colon and Rectum	12.0	-2.1*	16.9	-1.6	13.3	-1.3*
Liver & IBD <sup>g</sup>	10.4	-0.7	9.7	1.0	8.7	-2.7*
Stomach	7.6	-4.2*	8.5	2.4	8.3	0.6*
Pancreas	7.4	0.1	8.2	-1.7	8.1	-3.0*
Breast	7.0	0.1	7.8	0.8	7.8	1.7*
Non-Hodgkin Lymphoma	4.6	-2.7*	7.1	-1.6	6.5	-2.3*
Prostate <sup>f</sup>	4.5	-4.6*	6.5	-0.1	5.5	-3.5*
Leukemia	3.9	-1.4*	5.4	-0.6	5.0	-1.2*
Ovary <sup>f</sup>	2.7	0.8	4.9	0.8	3.7	0.7*
Oral Cavity and Pharynx	2.2	-2.2*	4.2	0.4	3.4	0.1
Brain and ONS <sup>g</sup>	2.0	1.2	4.0	4.3*	3.0	-1.8*
Esophagus	1.8	-3.2*	3.9	-1.1	2.8	-0.2
Urinary Bladder	1.8	-0.3	2.4	-1.4	2.4	-0.4
Kidney and Renal Pelvis	1.7	-3.0*	2.1	-0.3	2.3	-2.2*

- Statistic not shown. Rate based on less than 16 cases for the time interval. Trend based on less than 10 cases for at least one year within the time interval.

<sup>a</sup> Top 15 cancer sites selected based on 2001-2005 age-adjusted rates for the race/ethnic group.

<sup>b</sup> Mortality data used in calculating the rates are analyzed from US mortality files provided by the National Center for Health Statistics, CDC. Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). The rates shown for sex-specific cancer sites are calculated using the population for both sexes combined.

<sup>c</sup> The APC is the Annual Percent Change over the time interval. Mortality data used in calculating the trends are analyzed from US mortality files provided by the National Center for Health Statistics, CDC. Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>d</sup> Rates for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

<sup>e</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. The 2001-2005 Hispanic death rates do not include deaths from Minnesota, New Hampshire and North Dakota. The 1996-2005 Hispanic mortality trends do not include deaths from Maine, Minnesota, New Hampshire, North Dakota, and Oklahoma.

<sup>f</sup> The rates for sex-specific cancer sites are calculated using the population for both sexes combined.

<sup>g</sup> IBD = Intrahepatic Bile Duct. ONS = Other Nervous System.

\* The APC is significantly different from zero ( $p < .05$ ).

Table I-27  
AGE-ADJUSTED U.S. DEATH RATES AND TRENDS FOR THE TOP 15 CANCER SITES<sup>a</sup> BY RACE/ETHNICITY

			Males					
All Races			White			Black		
	Rate <sup>b</sup>	APC <sup>c</sup>		Rate <sup>b</sup>	APC <sup>c</sup>		Rate <sup>b</sup>	APC <sup>c</sup>
	2001-2005	1996-2005		2001-2005	1996-2005		2001-2005	1996-2005
All Sites	234.4	-1.7*	All Sites	230.7	-1.5*	All Sites	313.0	-2.5*
Lung and Bronchus	72.0	-2.0*	Lung and Bronchus	71.3	-1.8*	Lung and Bronchus	93.1	-2.8*
Prostate	26.7	-4.1*	Prostate	24.6	-4.0*	Prostate	59.4	-4.0*
Colon and Rectum	22.7	-2.6*	Colon and Rectum	22.1	-2.7*	Colon and Rectum	31.8	-1.6*
Pancreas	12.2	0.1	Pancreas	12.1	0.2*	Pancreas	15.4	-0.9*
Leukemia	9.9	-0.8*	Leukemia	10.2	-0.7*	Stomach	11.5	-3.8*
Non-Hodgkin Lymphoma	9.3	-2.7*	Non-Hodgkin Lymphoma	9.7	-2.6*	Liver & IBD <sup>f</sup>	10.3	2.4*
Esophagus	7.8	0.5*	Urinary Bladder	7.9	-0.2	Esophagus	9.8	-4.6*
Urinary Bladder	7.5	-0.3*	Esophagus	7.8	1.3*	Leukemia	8.5	-1.8*
Liver & IBD <sup>f</sup>	7.3	2.1*	Liver & IBD <sup>f</sup>	6.7	2.1*	Myeloma	8.3	-2.0*
Kidney and Renal Pelvis	6.0	-0.4	Kidney and Renal Pelvis	6.2	-0.3	Oral Cavity and Pharynx	6.7	-3.0*
Stomach	5.7	-3.7*	Brain and ONS <sup>f</sup>	5.7	-1.0*	Non-Hodgkin Lymphoma	6.4	-3.7*
Brain and ONS <sup>f</sup>	5.4	-1.0*	Stomach	5.0	-3.8*	Kidney and Renal Pelvis	6.1	-0.5
Myeloma	4.6	-1.1*	Melanoma of the Skin	4.4	-0.1	Urinary Bladder	5.4	-1.0
Oral Cavity and Pharynx	4.0	-1.9*	Myeloma	4.3	-0.9*	Larynx	4.8	-3.3*
Melanoma of the Skin	3.9	-0.2	Oral Cavity and Pharynx	3.8	-1.7*	Brain and ONS <sup>f</sup>	3.2	-0.4
Asian/Pacific Islander			American Indian/Alaska Native <sup>d</sup>			Hispanic <sup>e</sup>		
	Rate <sup>b</sup>	APC <sup>c</sup>		Rate <sup>b</sup>	APC <sup>c</sup>		Rate <sup>b</sup>	APC <sup>c</sup>
	2001-2005	1996-2005		2001-2005	1996-2005		2001-2005	1996-2005
All Sites	138.8	-2.0*	All Sites	190.0	-0.7	All Sites	159.0	-1.9*
Lung and Bronchus	37.5	-1.6*	Lung and Bronchus	50.2	-2.3*	Lung and Bronchus	35.1	-2.5*
Liver & IBD <sup>f</sup>	15.2	-1.3*	Prostate	21.1	-1.9	Prostate	20.6	-3.5*
Colon and Rectum	14.4	-2.1*	Colon and Rectum	20.5	-1.0	Colon and Rectum	16.5	-2.0*
Prostate	11.0	-4.1*	Liver & IBD <sup>f</sup>	10.6	1.4	Liver & IBD <sup>f</sup>	11.1	1.4*
Stomach	10.1	-3.9*	Stomach	9.9	0.1	Pancreas	9.1	0.3
Pancreas	8.0	-0.4	Kidney and Renal Pelvis	9.3	0.2	Stomach	8.7	-2.6*
Non-Hodgkin Lymphoma	5.6	-3.7*	Pancreas	8.6	3.3	Non-Hodgkin Lymphoma	6.7	-4.3*
Leukemia	5.1	-0.7	Esophagus	7.1	5.3*	Leukemia	6.3	-1.1
Oral Cavity and Pharynx	3.3	-3.0*	Non-Hodgkin Lymphoma	5.8	-2.1	Kidney and Renal Pelvis	5.3	0.5
Esophagus	3.1	-3.5	Leukemia	5.7	1.0	Esophagus	4.2	-2.1*
Urinary Bladder	2.9	0.0	Myeloma	4.6	1.8	Urinary Bladder	4.0	-1.0
Brain and ONS <sup>f</sup>	2.6	2.2	Oral Cavity and Pharynx	3.8	-	Myeloma	3.6	-1.8
Kidney and Renal Pelvis	2.4	-4.0*	Urinary Bladder	2.9	-	Brain and ONS <sup>f</sup>	3.4	-0.5
Myeloma	1.9	-2.9*	Brain and ONS <sup>f</sup>	2.8	3.1	Oral Cavity and Pharynx	2.6	-4.0*
Soft Tissue including Heart	0.9	-2.5	Larynx	2.1	-	Larynx	1.9	-4.1*

- Statistic not shown. Rate based on less than 16 cases for the time interval. Trend based on less than 10 cases for at least one year within the time interval.

<sup>a</sup> Top 15 cancer sites selected based on 2001-2005 age-adjusted rates for the race/ethnic group.

<sup>b</sup> Mortality data used in calculating the rates are analyzed from US mortality files provided by the National Center for Health Statistics, CDC. Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>c</sup> The APC is the Annual Percent Change over the time interval. Mortality data used in calculating the trends are analyzed from US mortality files provided by the National Center for Health Statistics, CDC. Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>d</sup> Rates for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

<sup>e</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. The 2001-2005 Hispanic death rates do not include deaths from Minnesota, New Hampshire and North Dakota. The 1996-2005 Hispanic mortality trends do not include deaths from Maine, Minnesota, New Hampshire, North Dakota, and Oklahoma.

<sup>f</sup> IBD = Intrahepatic Bile Duct. ONS = Other Nervous System.

\* The APC is significantly different from zero ( $p < .05$ ).

Table I-28  
AGE-ADJUSTED U.S. DEATH RATES AND TRENDS FOR THE TOP 15 CANCER SITES<sup>a</sup> BY RACE/ETHNICITY

	Females					
	All Races		White		Black	
	Rate <sup>b</sup> 2001-2005	APC <sup>c</sup> 1996-2005	Rate <sup>b</sup> 2001-2005	APC <sup>c</sup> 1996-2005	Rate <sup>b</sup> 2001-2005	APC <sup>c</sup> 1996-2005
All Sites	159.9	-1.0*	159.2	-0.9*	186.7	-1.2*
Lung and Bronchus	41.0	0.1	42.0	0.2	39.9	0.1
Breast	25.0	-2.1*	24.4	-2.2*	33.5	-1.5*
Colon and Rectum	15.9	-2.5*	15.3	-2.6*	22.4	-1.9*
Pancreas	9.3	0.2*	9.2	-0.1	12.4	-0.8*
Ovary	8.8	-0.1	9.0	0.4*	7.5	-0.1
Non-Hodgkin Lymphoma	5.9	-3.2*	6.2	-3.3*	7.1	0.3
Leukemia	5.6	-1.1*	5.7	-1.0*	6.0	-1.7*
Corpus and Uterus, NOS	4.1	0.1	3.9	0.1	5.5	-3.3*
Brain and ONS <sup>f</sup>	3.6	-1.3*	3.9	-1.1*	5.2	-1.3*
Liver & IBD <sup>f</sup>	3.1	1.1*	2.9	1.0*	4.7	-4.3*
Myeloma	3.0	-1.2*	2.8	-0.4	4.2	-2.3*
Stomach	2.9	-2.7*	2.8	-1.1*	3.9	0.6
Kidney and Renal Pelvis	2.7	-0.5*	2.5	-2.8*	2.8	-3.9*
Cervix Uteri	2.5	-3.4*	2.3	-3.2*	2.8	-1.7*
Urinary Bladder	2.3	-0.8*	2.2	-0.6*	2.7	-0.6
	Asian/Pacific Islander		American Indian/Alaska Native <sup>d</sup>		Hispanic <sup>e</sup>	
	Rate <sup>b</sup> 2001-2005	APC <sup>c</sup> 1996-2005	Rate <sup>b</sup> 2001-2005	APC <sup>c</sup> 1996-2005	Rate <sup>b</sup> 2001-2005	APC <sup>c</sup> 1996-2005
All Sites	95.9	-1.1*	142.0	-0.2	105.2	-1.1*
Lung and Bronchus	18.5	-0.7	33.8	2.9*	15.8	-2.5*
Breast	12.6	0.0	17.1	1.0	14.6	-0.5
Colon and Rectum	10.2	-2.1*	14.2	-2.2	10.8	-0.9
Pancreas	6.9	0.5	7.5	0.6	7.6	0.7
Liver & IBD <sup>f</sup>	6.6	0.5	7.2	-1.3	6.0	0.4
Stomach	5.9	-4.4*	6.6	3.2	5.1	1.6*
Ovary	4.9	0.7	5.2	-3.5	4.9	-2.0*
Non-Hodgkin Lymphoma	3.8	-1.4	4.9	0.5	4.7	-2.8*
Leukemia	3.0	-2.1*	4.3	-0.8	4.0	-1.5*
Corpus and Uterus, NOS	2.4	0.4	4.1	-	3.2	-3.1*
Cervix Uteri	2.2	-5.2*	3.7	-2.8	3.2	0.0
Brain and ONS <sup>f</sup>	1.5	-0.1	3.6	-3.7	2.6	-1.7
Myeloma	1.4	-1.9	3.1	-	2.4	0.8
Oral Cavity and Pharynx	1.4	-0.5	2.2	-	2.4	0.0
Kidney and Renal Pelvis	1.2	-1.2	1.6	-	1.3	0.4

- Statistic not shown. Rate based on less than 16 cases for the time interval. Trend based on less than 10 cases for at least one year within the time interval.

<sup>a</sup> Top 15 cancer sites selected based on 2001-2005 age-adjusted rates for the race/ethnic group.

<sup>b</sup> Mortality data used in calculating the rates are analyzed from US mortality files provided by the National Center for Health Statistics, CDC. Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>c</sup> The APC is the Annual Percent Change over the time interval. Mortality data used in calculating the trends are analyzed from US mortality files provided by the National Center for Health Statistics, CDC. Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>d</sup> Rates for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

<sup>e</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. The 2001-2005 Hispanic death rates do not include deaths from Minnesota, New Hampshire and North Dakota. The 1996-2005 Hispanic mortality trends do not include deaths from Maine, Minnesota, New Hampshire, North Dakota, and Oklahoma.

<sup>f</sup> IBD = Intrahepatic Bile Duct. ONS = Other Nervous System.

\* The APC is significantly different from zero ( $p < .05$ ).



Table II-10  
ALL CANCER SITES (Invasive)

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

SEER Incidence	Rate 2001-2005 <sup>b</sup>			Seer 13 Areas <sup>c</sup> Trend 1996-2005 AAPC (%)			SEER 9 Areas <sup>d</sup> Trend 1996-2005 AAPC (%)		
	Rate per 100,000 persons			Total	Males	Females	Total	Males	Females
	Total	Males	Females	Total	Males	Females	Total	Males	Females
RACE/ETHNICITY									
All Races	467.4	549.3	411.0	-0.7*	-1.0*	-0.5*	-0.6	-0.6*	-0.4*
White	475.3	551.4	423.6	-0.7*	-1.0*	-0.5*	-0.5	-0.5*	-0.3
White Hispanic <sup>e</sup>	363.4	424.8	324.0	-0.6*	-1.2*	-0.2	-	-	-
White Non-Hispanic <sup>e</sup>	492.2	568.3	439.7	-0.5*	-0.8*	-0.3*	-	-	-
Black	500.6	651.5	398.9	-1.0*	-1.8*	-0.1	-1.1*	-1.9*	-0.1
Asian/Pacific Islander	313.5	354.0	287.8	-0.7*	-0.8	0.0	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	312.7	336.6	296.4	-0.1	-1.1*	0.8*	-	-	-
Hispanic <sup>e</sup>	357.6	419.4	317.8	-0.5*	-1.0*	-0.1	-	-	-
U.S. Mortality <sup>g</sup>									
	Rate 2001-2005			Trend 1996-2005 <sup>h</sup>					
	Rate per 100,000 persons			AAPC (%)					
	Total	Males	Females	Total	Males	Females			
RACE/ETHNICITY									
All Races	189.8	234.4	159.9	-1.3*	-1.6*	-1.1*			
White	188.0	230.7	159.2	-1.2*	-1.5*	-1.0*			
White Hispanic <sup>e</sup>	131.6	164.2	109.2	-1.4*	-1.8*	-1.1*			
White Non-Hispanic <sup>e</sup>	192.2	235.6	163.0	-1.1*	-1.4*	-0.8*			
Black	234.0	313.0	186.7	-1.8*	-2.5*	-1.2*			
Asian/Pacific Islander	113.8	138.8	95.9	-1.7*	-2.0*	-1.2*			
Amer Ind/Alaska Nat									
Total U.S.	128.2	151.5	111.8	-0.9*	-1.6	-0.5*			
CHSDA Counties	161.7	190.0	142.0	0.0	-0.2	0.2			
Non-CHSDA Counties	85.5	103.0	72.9	-2.1*	-3.2	-1.1*			
Hispanic <sup>e</sup>	127.0	159.0	105.2	-1.3*	-1.8*	-1.1*			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute.

Statistic not shown. Rate based on less than 16 cases for the time interval. Trend based on less than 10 cases for at least one year within the time interval.

Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

Incidence data used in calculating the 2001-2005 rates are from the SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey).

The SEER 13 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1992-2005.

The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1975-2005.

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 are based on NHIA and exclude cases from the Alaska Native Registry and Kentucky. The 2001-2005 Hispanic and Non-Hispanic death rates exclude deaths from Minnesota, New Hampshire and North Dakota. The 1996-2005 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.

Incidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

US Mortality Files, National Center for Health Statistics, CDC.

The 1996-2005 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2005.

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

Table II-11  
ALL CANCER SITES (Invasive)

AGE-ADJUSTED SEER INCIDENCE RATES<sup>a</sup>  
By Registry, Race and Sex

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>SEER INCIDENCE RATES<sup>a</sup>, 2001-2005</u>									
REGISTRY									
Atlanta & Rural Georgia	449.4	547.5	385.1	451.2	531.6	400.1	470.8	631.9	373.0
Atlanta	449.5	545.6	387.0	451.2	529.8	402.0	473.1	633.6	376.2
Rural Georgia	457.5	588.1	362.4	455.2	568.4	369.1	462.8	640.3	350.9
California	440.9	511.2	392.3	452.2	517.5	407.5	477.2	599.5	389.4
Greater Bay Area	434.9	502.7	389.0	458.9	524.8	414.4	476.2	581.4	400.6
San Francisco-Oakland	440.1	507.3	394.2	462.2	525.1	419.3	484.7	587.5	411.6
San Jose-Monterey	425.0	494.6	378.4	453.2	525.0	405.5	423.0	567.8	307.8
Los Angeles	427.9	500.5	379.6	434.1	496.6	393.8	484.9	620.0	392.5
Greater California	449.5	519.4	400.0	457.8	524.0	411.3	468.9	587.3	377.3
Connecticut	504.1	583.9	451.0	508.4	583.9	459.1	475.7	607.9	385.8
Detroit	524.7	639.6	447.5	519.9	617.3	456.9	558.1	739.8	437.0
Hawaii	421.8	479.0	381.5	515.9	594.9	451.5	321.3	421.9	192.1
Iowa	474.0	552.1	422.6	469.9	544.6	421.2	509.4	647.6	396.9
Kentucky	506.1	604.2	441.6	501.7	597.0	439.3	549.6	696.0	453.6
Louisiana	491.3	616.9	404.2	485.4	596.7	407.7	515.9	692.3	401.7
New Jersey	508.8	603.6	446.0	515.1	599.8	460.0	503.4	665.5	398.6
New Mexico	414.8	482.8	362.9	430.1	499.7	376.5	324.6	387.6	272.9
Seattle-Puget Sound	498.4	570.5	447.9	512.6	582.9	463.2	500.2	637.4	385.9
Utah	406.8	486.9	344.0	411.6	492.4	348.3	390.2	499.1	290.0
9 SEER Areas <sup>b</sup>	471.1	551.9	415.2	481.1	557.2	429.1	505.1	656.0	403.6
11 SEER Areas <sup>b</sup>	458.5	537.0	404.8	469.4	542.7	420.0	498.6	644.7	399.6
13 SEER Areas <sup>b</sup>	458.6	537.2	404.8	469.4	542.8	419.8	498.0	644.5	398.7
17 SEER Areas <sup>b</sup>	467.4	549.3	411.0	475.3	551.4	423.6	500.6	651.5	398.9

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

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.

The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Table II-12  
ALL CANCER SITES (Invasive)

AGE-ADJUSTED SEER DEATH RATES<sup>a</sup>  
 By Registry, Race and Sex

	<u>All Races</u>			<u>Whites</u>			<u>Blacks</u>		
	<u>Total</u>	<u>Males</u>	<u>Females</u>	<u>Total</u>	<u>Males</u>	<u>Females</u>	<u>Total</u>	<u>Males</u>	<u>Females</u>
<u>SEER DEATH RATES<sup>a</sup>, 2001-2005</u>									
REGISTRY									
Atlanta & Rural Georgia	176.6	218.8	151.4	164.1	199.8	142.5	215.4	288.5	176.1
Atlanta	175.6	216.4	151.6	163.7	198.6	142.8	214.0	284.0	176.8
Rural Georgia	199.9	265.8	154.3	177.7	227.0	141.4	245.3	359.2	176.8
California	173.1	206.4	150.5	177.3	210.0	155.4	231.8	294.1	192.6
Greater Bay Area	165.4	195.2	146.0	171.9	199.9	154.5	240.8	302.9	201.4
San Francisco-Oakland	171.1	202.7	150.6	176.4	205.2	158.3	247.2	308.9	208.4
San Jose-Monterey	153.9	180.6	136.7	163.9	190.5	147.6	196.4	274.9	140.7
Los Angeles	166.8	199.1	145.6	167.2	197.4	147.7	231.9	296.7	192.7
Greater California	178.9	213.8	154.7	183.1	218.1	158.8	226.3	286.3	186.1
Connecticut	184.3	225.1	158.6	184.5	224.9	159.1	199.7	258.2	165.9
Detroit	200.0	245.6	171.2	192.1	233.7	166.1	237.9	306.7	194.8
Hawaii	152.2	189.4	123.0	181.2	219.5	150.8	97.3	133.1	58.2
Iowa	185.9	231.3	156.1	185.5	230.7	156.1	257.9	337.6	201.6
Kentucky	222.7	286.9	180.5	221.1	284.6	179.1	264.8	349.3	214.2
Louisiana	221.0	285.9	178.0	206.2	262.8	168.2	269.3	370.1	207.0
New Jersey	193.4	232.4	169.2	193.7	230.9	170.5	228.0	296.2	188.6
New Mexico	167.3	203.4	140.9	170.3	206.4	143.9	185.8	260.6	136.6
Seattle-Puget Sound	185.3	220.6	161.4	188.2	222.9	164.8	216.7	273.6	174.2
Utah	140.9	172.5	117.9	141.3	173.0	118.1	184.3	220.0	158.4
9 SEER Areas <sup>b</sup>	178.5	216.9	153.1	179.2	216.5	154.7	225.8	291.2	185.9
11 SEER Areas <sup>b</sup>	174.5	210.9	150.5	175.9	211.2	152.9	226.9	292.2	187.1
13 SEER Areas <sup>b</sup>	174.7	211.2	150.5	175.9	211.2	152.8	227.0	293.0	186.7
17 SEER Areas <sup>b</sup>	183.7	223.2	157.4	184.7	223.0	159.3	236.0	308.5	191.6
Total U.S.	189.8	234.4	159.9	188.0	230.7	159.2	234.0	313.0	186.7

<sup>a</sup> US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention. Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.  
 The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.

The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

# SEER Incidence and US Death Rates<sup>a</sup> All Cancer Sites, Both Sexes

Joinpoint Analyses for Whites and Blacks from 1975-2005

and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2005

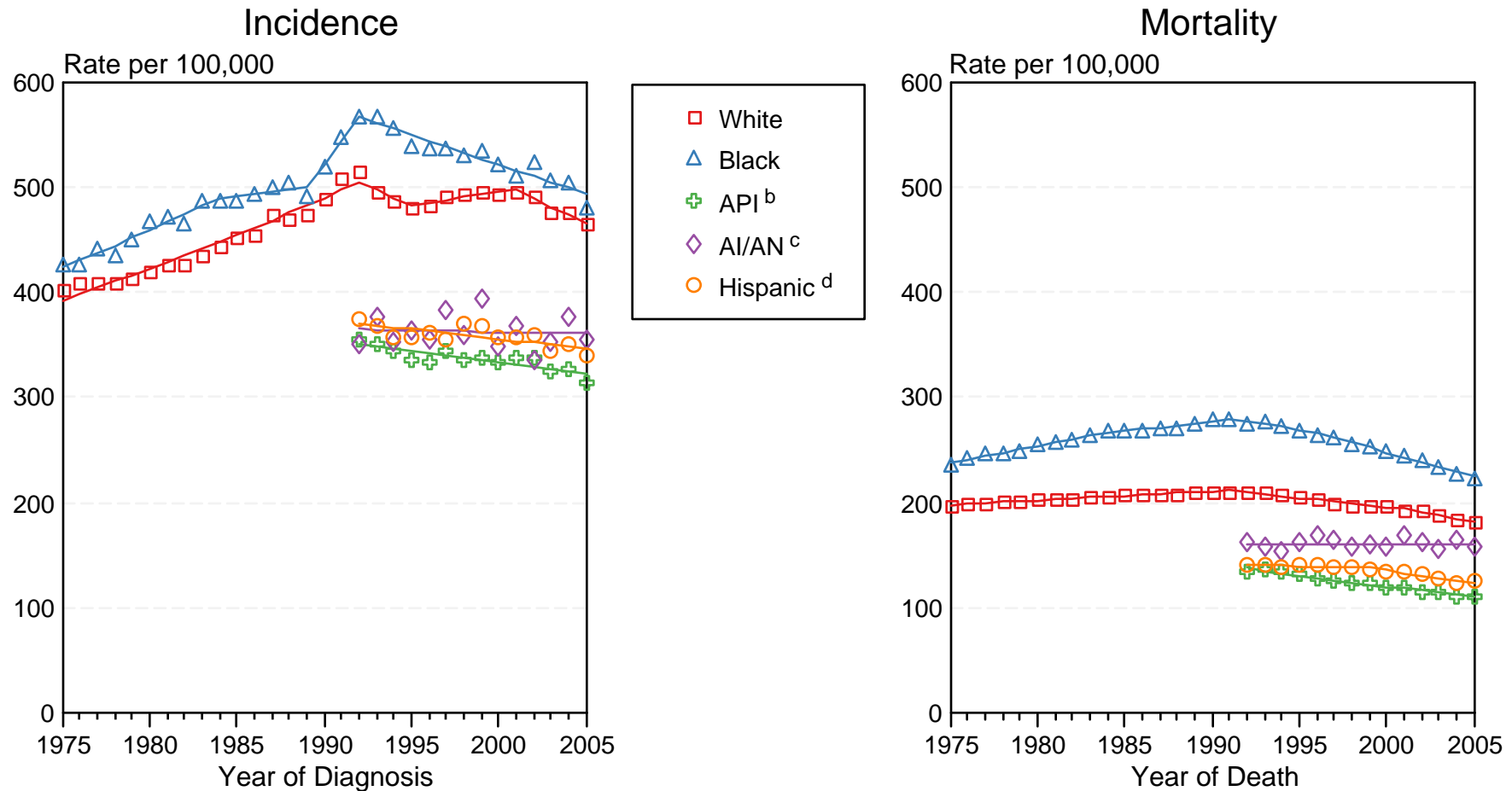


Figure 11-4

Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta). Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Mortality data are from US Mortality Files, National Center for Health Statistics, CDC.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute.

<sup>b</sup> API = Asian/Pacific Islander.

<sup>c</sup> AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

<sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table III-10  
BRAIN AND OTHER NERVOUS SYSTEM CANCER (Invasive)

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

SEER Incidence	Rate 2001-2005 <sup>b</sup>			Seer 13 Areas <sup>c</sup> Trend 1996-2005 AAPC (%)			SEER 9 Areas <sup>d</sup> Trend 1996-2005 AAPC (%)		
	Rate per 100,000 persons			Total	Males	Females	Total	Males	Females
	Total	Males	Females						
RACE/ETHNICITY									
All Races	6.5	7.6	5.5	-0.4*	-0.6*	-0.1	-0.3*	-0.7*	0.5
White	7.1	8.4	6.0	-0.2	-0.5	0.1	-0.1	-0.5*	0.6
White Hispanic <sup>e</sup>	5.5	6.4	4.8	0.3	1.0	-0.4	-	-	-
White Non-Hispanic <sup>e</sup>	7.5	8.9	6.3	-0.1	-0.5	0.8	-	-	-
Black	4.1	4.7	3.6	0.3	0.3	0.3	0.3	0.0	0.6
Asian/Pacific Islander	3.5	4.0	3.1	-0.7	-1.2	0.0	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	3.3	4.0	2.8	-	-	-	-	-	-
Hispanic <sup>e</sup>	5.4	6.2	4.7	0.5	1.2	-0.2	-	-	-
U.S. Mortality <sup>g</sup>									
	Rate 2001-2005			Trend 1996-2005 <sup>h</sup>					
	Rate per 100,000 persons			AAPC (%)					
	Total	Males	Females	Total	Males	Females			
RACE/ETHNICITY									
All Races	4.4	5.4	3.6	-0.9*	-0.9*	-1.1*			
White	4.7	5.7	3.9	-0.8*	-0.8*	-0.9*			
White Hispanic <sup>e</sup>	2.9	3.5	2.5	0.0	-0.2	0.2			
White Non-Hispanic <sup>e</sup>	4.9	6.0	4.0	-0.8*	-0.7*	-0.9*			
Black	2.6	3.2	2.1	-0.8*	-0.6*	-1.1*			
Asian/Pacific Islander	2.0	2.6	1.5	0.3	1.8*	-1.3			
Amer Ind/Alaska Nat									
Total U.S.	1.8	2.4	1.4	-0.7	0.1	-			
CHSDA Counties	2.1	2.8	1.4	-0.2	-	-			
Non-CHSDA Counties	1.5	1.8	1.3	-	-	-			
Hispanic <sup>e</sup>	2.8	3.4	2.4	0.1	-0.1	0.3			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute.

Statistic not shown. Rate based on less than 16 cases for the time interval. Trend based on less than 10 cases for at least one year within the time interval.

Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

Incidence data used in calculating the 2001-2005 rates are from the SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey).

The SEER 13 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1992-2005.

The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1975-2005.

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 are based on NHIA and exclude cases from the Alaska Native Registry and Kentucky. The 2001-2005 Hispanic and Non-Hispanic death rates exclude deaths from Minnesota, New Hampshire and North Dakota. The 1996-2005 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.

Incidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

US Mortality Files, National Center for Health Statistics, CDC.

The 1996-2005 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2005.

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

Table III-11  
 BRAIN AND OTHER NERVOUS SYSTEM CANCER (Invasive)

AGE-ADJUSTED SEER INCIDENCE RATES<sup>a</sup>  
 By Registry, Race and Sex

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>SEER INCIDENCE RATES<sup>a</sup>, 2001-2005</u>									
REGISTRY									
Atlanta & Rural Georgia	5.9	6.9	5.0	7.0	8.2	5.9	4.1	4.7	3.6
Atlanta	5.9	6.8	5.1	7.0	8.0	6.0	4.2	4.9	3.7
Rural Georgia	5.6	7.1	4.4	7.2	9.8	-	-	-	-
California	6.2	7.4	5.3	6.9	8.1	5.8	4.0	4.7	3.5
Greater Bay Area	6.0	7.2	5.0	6.8	8.3	5.5	4.2	4.9	3.7
San Francisco-Oakland	6.0	7.2	5.0	6.9	8.4	5.6	4.3	4.9	3.8
San Jose-Monterey	6.1	7.4	5.0	6.7	8.3	5.4	-	-	-
Los Angeles	5.6	6.5	4.9	6.4	7.4	5.6	3.8	4.4	3.3
Greater California	6.6	7.9	5.6	7.1	8.4	6.0	4.1	4.7	3.5
Connecticut	7.1	8.3	6.1	7.5	8.7	6.5	3.0	3.4	2.4
Detroit	6.5	7.5	5.7	7.2	8.3	6.3	4.5	4.9	4.2
Hawaii	4.3	4.9	3.7	6.9	7.8	6.1	-	-	-
Iowa	7.5	8.5	6.5	7.5	8.6	6.6	6.9	-	-
Kentucky	6.7	7.7	5.8	6.9	7.9	5.9	4.5	4.6	4.6
Louisiana	5.8	7.5	4.5	6.7	8.5	5.2	3.8	4.6	3.1
New Jersey	7.0	8.3	5.9	7.6	9.0	6.4	3.9	4.6	3.4
New Mexico	5.4	6.7	4.3	5.7	7.0	4.4	-	-	-
Seattle-Puget Sound	7.6	9.0	6.4	8.0	9.5	6.7	4.3	6.0	-
Utah	7.0	8.1	6.1	7.3	8.3	6.4	-	-	-
9 SEER Areas <sup>b</sup>	6.6	7.7	5.6	7.3	8.5	6.2	4.3	4.8	3.8
11 SEER Areas <sup>b</sup>	6.3	7.4	5.4	7.0	8.2	6.0	4.2	4.7	3.7
13 SEER Areas <sup>b</sup>	6.3	7.4	5.4	7.0	8.2	6.0	4.1	4.7	3.7
17 SEER Areas <sup>b</sup>	6.5	7.6	5.5	7.1	8.4	6.0	4.1	4.7	3.6

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

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.

The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Table III-12  
 BRAIN AND OTHER NERVOUS SYSTEM CANCER (Invasive)

AGE-ADJUSTED SEER DEATH RATES<sup>a</sup>  
 By Registry, Race and Sex

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>SEER DEATH RATES<sup>a</sup>, 2001-2005</u>									
REGISTRY									
Atlanta & Rural Georgia	3.6	4.2	3.0	4.2	5.0	3.6	2.2	2.2	2.1
Atlanta	3.6	4.2	3.1	4.3	5.0	3.7	2.2	2.2	2.1
Rural Georgia	3.2	-	-	3.9	-	-	-	-	-
California	4.3	5.3	3.5	4.8	5.9	4.0	2.9	3.7	2.3
Greater Bay Area	3.9	4.8	3.1	4.5	5.6	3.6	3.1	3.9	2.6
San Francisco-Oakland	4.0	5.0	3.2	4.7	5.8	3.7	3.5	4.5	2.8
San Jose-Monterey	3.6	4.5	2.9	4.1	5.2	3.3	-	-	-
Los Angeles	4.0	5.0	3.3	4.6	5.6	3.8	2.9	4.1	2.1
Greater California	4.7	5.7	3.8	5.1	6.1	4.2	2.5	3.0	2.1
Connecticut	4.1	4.9	3.5	4.3	5.1	3.7	1.8	-	-
Detroit	4.3	5.3	3.5	4.8	5.9	4.0	2.7	3.2	2.2
Hawaii	2.9	3.8	2.1	4.7	5.4	4.2	-	-	-
Iowa	5.3	6.2	4.4	5.3	6.2	4.5	-	-	-
Kentucky	4.5	5.4	3.8	4.6	5.6	3.8	2.9	-	3.8
Louisiana	4.6	5.9	3.7	5.1	6.4	4.1	3.4	4.5	2.6
New Jersey	3.7	4.6	2.9	4.1	5.0	3.3	1.8	2.4	1.4
New Mexico	3.8	4.9	2.9	4.1	5.2	3.0	-	-	-
Seattle-Puget Sound	5.7	6.8	4.6	6.0	7.2	5.0	2.7	-	-
Utah	4.4	5.6	3.4	4.6	5.7	3.5	-	-	-
9 SEER Areas <sup>b</sup>	4.4	5.4	3.6	4.9	5.9	4.0	2.6	3.1	2.2
11 SEER Areas <sup>b</sup>	4.2	5.2	3.5	4.7	5.8	3.9	2.7	3.3	2.2
13 SEER Areas <sup>b</sup>	4.2	5.2	3.4	4.7	5.8	3.9	2.6	3.2	2.2
17 SEER Areas <sup>b</sup>	4.3	5.3	3.5	4.8	5.8	3.9	2.7	3.3	2.2
Total U.S.	4.4	5.4	3.6	4.7	5.7	3.9	2.6	3.2	2.1

<sup>a</sup> US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention. Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.

The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

# SEER Incidence and US Death Rates<sup>a</sup> Brain and Other Nervous System Cancer, Both Sexes

Joinpoint Analyses for Whites and Blacks from 1975-2005  
and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2005

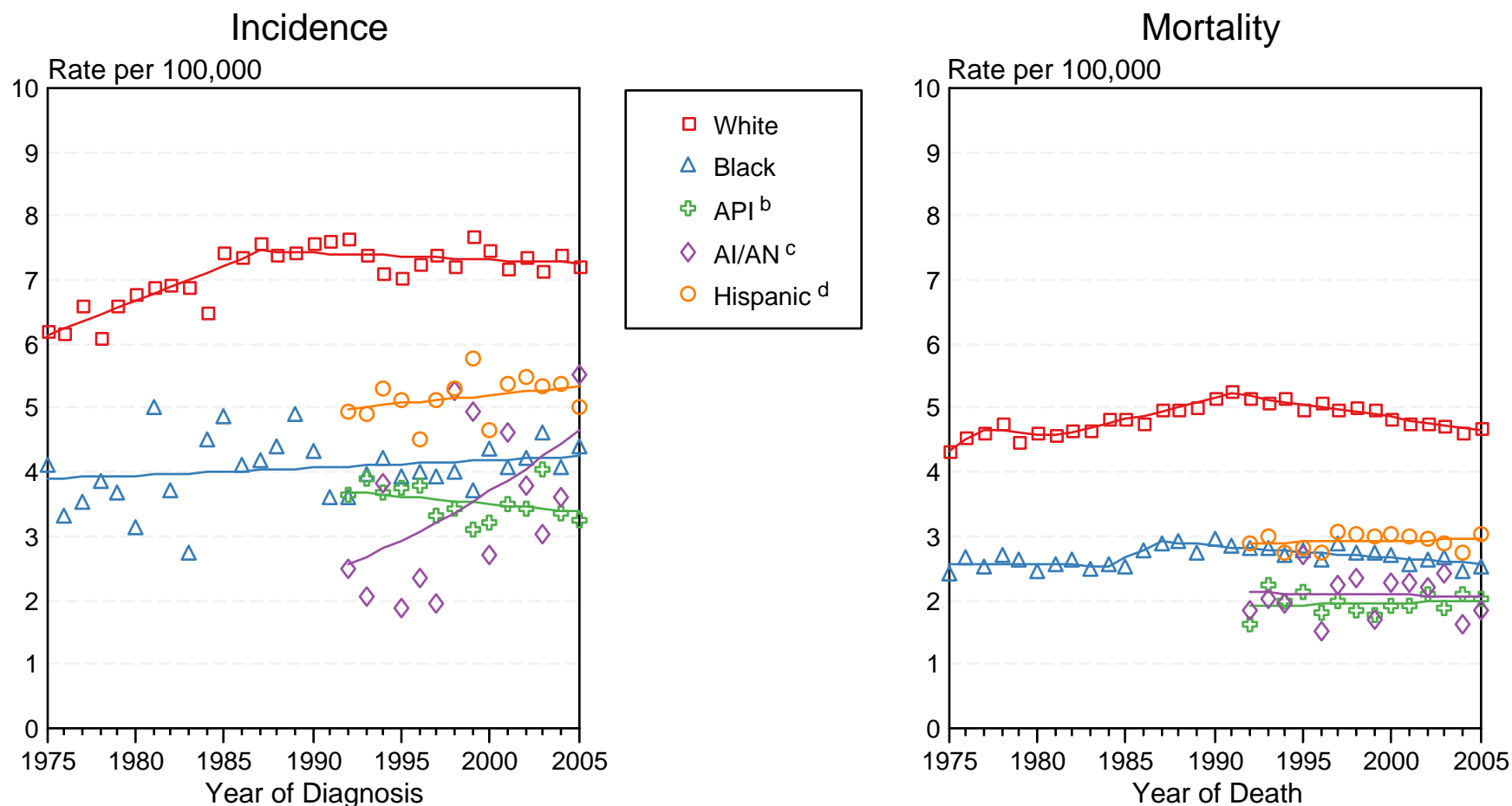


Figure III-2

Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta). Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Mortality data are from US Mortality Files, National Center for Health Statistics, CDC.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute.

<sup>b</sup> API = Asian/Pacific Islander.

<sup>c</sup> AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

<sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.



Table IV-15  
FEMALE BREAST CANCER (Invasive)

SEER INCIDENCE AND U.S. MORTALITY  
AGE-ADJUSTED RATES AND TRENDS<sup>a</sup>  
 By Race/Ethnicity

<u>SEER Incidence</u>	Rate 2001-2005 <sup>b</sup>		Seer 13 Areas <sup>c</sup>		SEER 9 Areas <sup>d</sup>	
	Rate per 100,000 persons		Trend 1996-2005		Trend 1996-2005	
			AAPC (%)		AAPC (%)	
RACE/ETHNICITY	Females		Females		Females	
All Races	126.1		-1.1*		-1.1*	
White	130.6		-1.2*		-1.2*	
White Hispanic <sup>e</sup>	91.9		0.0		-	
White Non-Hispanic <sup>e</sup>	138.2		-1.1*		-	
Black	117.5		-0.3		-0.5	
Asian/Pacific Islander	89.6		0.0		-	
Amer Ind/Alaska Nat <sup>f</sup>	75.0		-0.2		-	
Hispanic <sup>e</sup>	90.1		0.1		-	
<u>U.S. Mortality<sup>g</sup></u>	Rate 2001-2005		Trend 1996-2005 <sup>h</sup>			
	Rate per 100,000 persons		AAPC (%)			
RACE/ETHNICITY	Females		Females			
All Races	25.0		-2.2*			
White	24.4		-2.3*			
White Hispanic <sup>e</sup>	16.3		-2.0*			
White Non-Hispanic <sup>e</sup>	25.0		-2.1*			
Black	33.5		-1.3*			
Asian/Pacific Islander	12.6		-0.6*			
Amer Ind/Alaska Nat						
Total U.S.	14.3		-0.4			
CHSDA Counties	17.1		0.6			
Non-CHSDA Counties	10.7		-2.0			
Hispanic <sup>e</sup>	15.8		-1.9*			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute.

- Statistic not shown. Rate based on less than 16 cases for the time interval. Trend based on less than 10 cases for at least one year within the time interval.

a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

b Incidence data used in calculating the 2001-2005 rates are from the SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey).

c The SEER 13 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1992-2005.

d The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1975-2005.

e 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 are based on NHIA and exclude cases from the Alaska Native Registry and Kentucky. The 2001-2005 Hispanic and Non-Hispanic death rates exclude deaths from Minnesota, New Hampshire and North Dakota. The 1996-2005 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.

f Incidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

g US Mortality Files, National Center for Health Statistics, CDC.

h The 1996-2005 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2005.

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

Table IV-16  
FEMALE BREAST CANCER (In Situ)

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

<u>SEER Incidence</u>	Rate 2001-2005 <sup>b</sup>		Seer 13 Areas <sup>c</sup>		SEER 9 Areas <sup>d</sup>	
	Rate per 100,000 persons		Trend 1996-2005		Trend 1996-2005	
	Females		AAPC (%)		AAPC (%)	
RACE/ETHNICITY	Females		Females		Females	
All Races	29.6		2.1*		2.1*	
White	30.3		2.0*		2.1*	
White Hispanic <sup>e</sup>	19.0		4.1*		-	
White Non-Hispanic <sup>e</sup>	33.1		2.3*		-	
Black	26.1		2.6*		2.4*	
Asian/Pacific Islander	25.7		3.2*		-	
Amer Ind/Alaska Nat <sup>f</sup>	14.7		-		-	
Hispanic <sup>e</sup>	18.7		3.2*		-	

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute.

- Statistic not shown. Rate based on less than 16 cases for the time interval. Trend based on less than 10 cases for at least one year within the time interval.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> Incidence data used in calculating the 2001-2005 rates are from the SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey).

<sup>c</sup> The SEER 13 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1992-2005.

<sup>d</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1975-2005.

<sup>e</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 are based on NHIA and exclude cases from the Alaska Native Registry and Kentucky.

<sup>f</sup> Incidence data for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

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

Table IV-17  
 FEMALE BREAST CANCER (Invasive)

AGE-ADJUSTED SEER INCIDENCE RATES<sup>a</sup>  
 By Registry, Race/Ethnicity and Age

	All Races			Whites			Blacks		
	All Ages	Ages <50	Ages 50+	All Ages	Ages <50	Ages 50+	All Ages	Ages <50	Ages 50+
<u>SEER INCIDENCE RATES<sup>a</sup>, 2001-2005</u>									
REGISTRY									
Atlanta & Rural Georgia	122.8	42.0	334.4	128.8	42.1	355.7	115.4	42.9	305.3
Atlanta	123.6	41.8	337.8	129.6	41.9	359.1	116.6	42.8	309.8
Rural Georgia	111.8	47.5	280.0	115.6	47.9	292.7	105.1	46.7	258.0
California	124.7	39.9	346.7	131.0	40.3	368.5	118.9	41.4	321.7
Greater Bay Area	127.5	42.4	350.2	139.4	42.9	392.0	118.5	43.2	315.6
San Francisco-Oakland	130.2	43.5	357.3	143.4	44.5	402.4	122.5	44.2	327.5
San Jose-Monterey	122.2	40.4	336.4	132.4	40.2	373.9	85.6	37.1	212.6
Los Angeles	118.5	39.0	326.6	123.9	38.6	347.3	120.7	40.7	330.2
Greater California	126.8	39.5	355.3	131.4	40.2	370.3	116.5	41.1	313.7
Connecticut	137.4	49.1	368.8	140.3	50.3	376.1	113.8	42.6	300.1
Detroit	128.9	44.4	350.3	133.0	45.9	360.8	121.6	41.8	330.4
Hawaii	126.0	46.0	335.4	140.7	46.0	388.7	69.6	-	228.6
Iowa	125.4	41.0	346.5	125.8	41.2	347.5	102.3	35.8	276.6
Kentucky	120.5	41.7	326.9	119.6	41.0	325.5	127.4	44.0	345.5
Louisiana	120.9	40.8	330.6	120.5	37.7	337.3	123.0	48.6	317.8
New Jersey	129.7	46.0	348.8	134.6	47.9	361.8	109.8	40.0	292.8
New Mexico	111.7	36.1	309.8	117.8	38.4	325.9	60.5	-	168.4
Seattle-Puget Sound	143.0	44.1	401.7	148.6	44.6	421.0	114.5	43.5	300.2
Utah	112.9	33.9	319.6	114.5	34.2	325.0	82.4	-	248.4
9 SEER Areas <sup>b</sup>	129.1	43.0	354.7	134.2	43.6	371.6	117.7	42.0	315.8
11 SEER Areas <sup>b</sup>	126.3	41.9	347.4	131.9	42.3	366.7	118.1	41.7	318.4
13 SEER Areas <sup>b</sup>	126.3	41.9	347.2	131.8	42.3	366.4	117.9	41.7	317.4
17 SEER Areas <sup>b</sup>	126.1	41.7	347.1	130.6	42.1	362.4	117.5	42.5	314.1

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

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.  
 The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.

The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Table IV-18  
 FEMALE BREAST CANCER (Invasive)

AGE-ADJUSTED SEER DEATH RATES<sup>a</sup>  
 By Registry, Race/Ethnicity and Age

	All Races			Whites			Blacks		
	All Ages	Ages <50	Ages 50+	All Ages	Ages <50	Ages 50+	All Ages	Ages <50	Ages 50+
<u>SEER DEATH RATES<sup>a</sup>, 2001-2005</u>									
REGISTRY									
Atlanta & Rural Georgia	25.9	5.7	78.8	23.5	3.9	74.6	32.3	8.7	94.4
Atlanta	26.1	5.6	79.7	23.8	3.9	75.7	32.6	8.5	95.8
Rural Georgia	23.6	8.1	64.0	18.1	-	56.0	30.8	-	76.6
California	23.7	5.2	72.0	24.4	5.0	75.2	33.8	9.9	96.3
Greater Bay Area	23.0	4.8	70.5	24.8	4.4	78.0	32.4	10.1	90.9
San Francisco-Oakland	24.0	5.2	73.3	25.8	4.5	81.5	33.0	10.6	91.7
San Jose-Monterey	21.0	4.2	64.9	22.9	4.2	71.7	29.2	-	86.9
Los Angeles	23.6	5.3	71.6	23.9	4.8	73.7	34.4	10.1	98.1
Greater California	24.0	5.4	72.7	24.6	5.3	74.9	34.2	9.6	98.6
Connecticut	25.1	4.8	78.1	25.0	4.6	78.4	27.2	6.8	80.5
Detroit	27.7	6.3	83.6	25.3	5.2	78.0	36.3	9.7	105.9
Hawaii	18.0	4.5	53.2	23.4	4.4	73.3	-	-	-
Iowa	23.1	4.5	71.9	23.1	4.5	71.8	32.9	-	101.2
Kentucky	25.6	5.4	78.5	25.0	5.0	77.4	35.3	9.3	103.4
Louisiana	29.7	7.8	87.1	25.3	5.3	77.9	40.9	13.1	113.9
New Jersey	27.8	5.2	86.8	27.6	4.8	87.5	33.1	8.7	97.1
New Mexico	22.1	5.0	67.1	22.9	5.2	69.5	24.1	-	83.3
Seattle-Puget Sound	23.4	4.3	73.4	24.1	4.1	76.3	26.0	8.8	71.1
Utah	23.1	4.5	71.9	23.3	4.5	72.6	-	-	-
9 SEER Areas <sup>b</sup>	24.3	5.1	74.5	24.3	4.6	76.0	32.8	8.8	95.8
11 SEER Areas <sup>b</sup>	23.9	5.1	73.4	24.1	4.6	75.3	33.2	9.1	96.2
13 SEER Areas <sup>b</sup>	23.9	5.1	73.2	24.1	4.6	75.2	33.1	9.1	95.8
17 SEER Areas <sup>b</sup>	24.9	5.3	76.0	24.8	4.8	77.1	34.6	9.7	99.8
Total U.S.	25.0	5.5	76.1	24.4	4.9	75.3	33.5	9.7	96.0

<sup>a</sup> US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention. Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.

The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Table IV-19  
 FEMALE BREAST CANCER (*In Situ*)

AGE-ADJUSTED SEER INCIDENCE RATES<sup>a</sup>  
 By Registry, Race/Ethnicity and Age

	All Races			Whites			Blacks		
	All Ages	Ages <50	Ages 50+	All Ages	Ages <50	Ages 50+	All Ages	Ages <50	Ages 50+
<u>SEER INCIDENCE RATES<sup>a</sup>, 2001-2005</u>									
REGISTRY									
Atlanta & Rural Georgia	32.1	11.0	87.4	35.3	12.4	95.4	27.9	9.3	76.6
Atlanta	32.5	11.1	88.4	35.6	12.3	96.6	28.4	9.6	77.4
Rural Georgia	25.3	8.0	70.7	30.7	14.2	74.0	18.0	-	62.6
California	27.1	9.2	73.9	27.7	9.3	76.0	23.9	7.0	68.3
Greater Bay Area	29.9	11.0	79.3	30.5	10.8	82.2	23.6	6.7	67.8
San Francisco-Oakland	30.8	11.5	81.3	31.8	11.7	84.5	24.3	6.8	70.3
San Jose-Monterey	28.1	10.2	75.2	28.3	9.3	78.1	17.0	-	44.9
Los Angeles	24.9	8.5	67.8	25.6	8.7	70.0	24.0	7.3	68.0
Greater California	27.2	8.9	74.9	27.8	9.2	76.5	24.1	6.7	69.6
Connecticut	43.1	17.6	109.9	44.0	18.4	111.1	34.2	10.6	95.8
Detroit	37.3	13.9	98.6	38.9	15.4	100.7	33.5	9.8	95.5
Hawaii	35.8	12.9	95.7	31.8	10.7	87.2	-	-	-
Iowa	25.9	9.3	69.5	25.9	9.2	69.5	19.7	-	-
Kentucky	23.3	8.6	62.1	23.2	8.6	61.3	24.3	6.6	70.5
Louisiana	22.7	7.6	62.4	23.7	8.1	64.5	20.9	6.7	58.1
New Jersey	35.5	15.4	88.1	37.4	16.5	92.1	25.8	8.8	70.3
New Mexico	20.7	7.1	56.2	22.3	8.0	59.9	-	-	-
Seattle-Puget Sound	35.3	11.8	97.0	36.2	12.0	99.4	32.0	7.7	95.6
Utah	23.0	7.2	64.4	23.4	7.2	65.7	-	-	-
9 SEER Areas <sup>b</sup>	32.8	12.0	87.3	33.5	12.4	88.8	30.0	9.2	84.7
11 SEER Areas <sup>b</sup>	30.7	11.0	82.2	31.5	11.3	84.3	28.3	8.7	79.7
13 SEER Areas <sup>b</sup>	30.7	11.0	82.2	31.5	11.3	84.3	28.2	8.6	79.5
17 SEER Areas <sup>b</sup>	29.6	10.7	78.9	30.3	11.1	80.7	26.1	8.1	73.1

<sup>a</sup> Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130)  
<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.  
 The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.  
 The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.  
 The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

# SEER Incidence and US Death Rates<sup>a</sup> Female Breast Cancer

Joinpoint Analyses for Whites and Blacks from 1975-2005  
and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2005

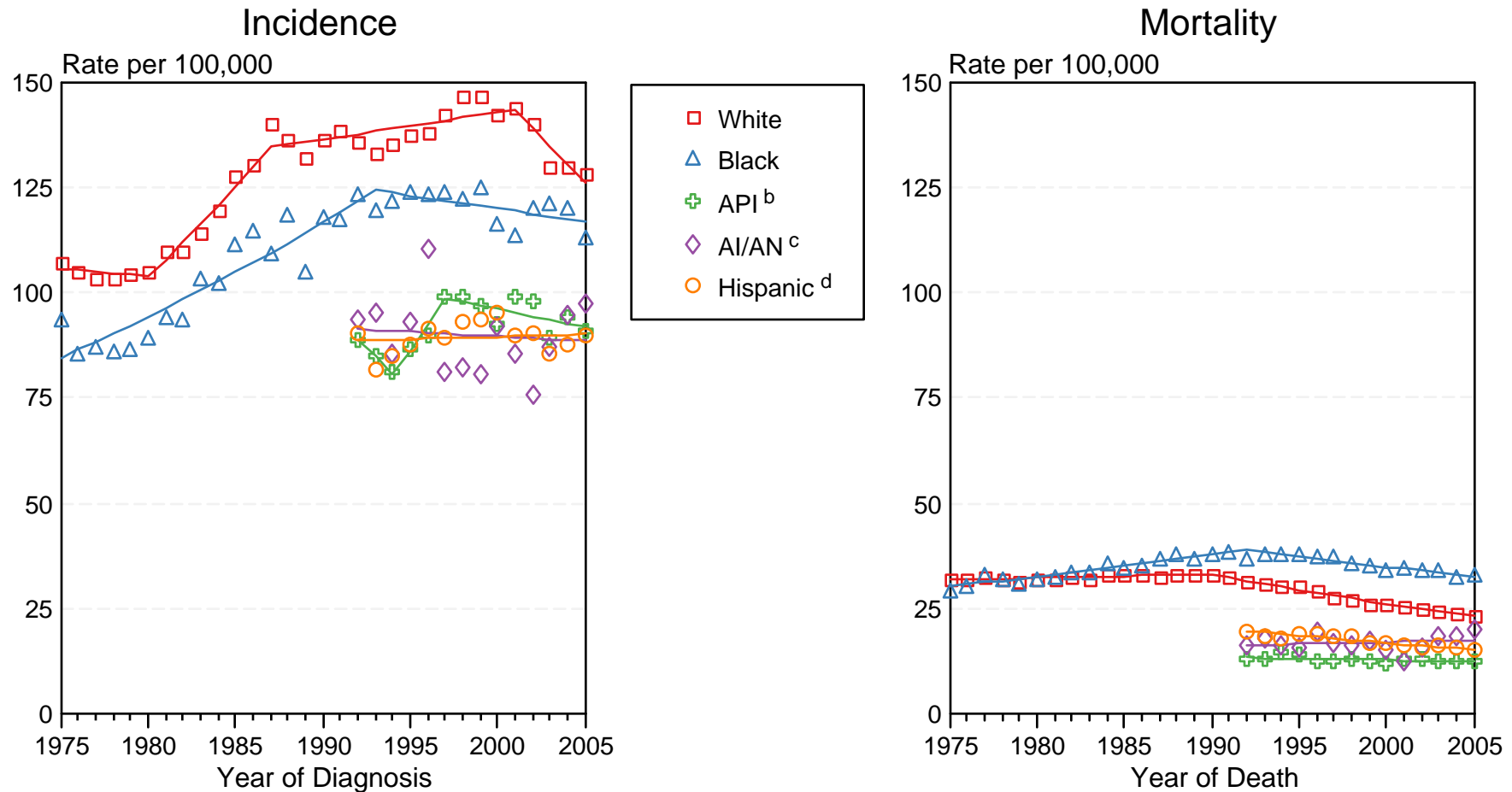


Figure IV-4

Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta). Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Mortality data are from US Mortality Files, National Center for Health Statistics, CDC.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute.

<sup>b</sup> API = Asian/Pacific Islander.

<sup>c</sup> AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

<sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table V-8  
CERVIX UTERI CANCER (Invasive)

SEER INCIDENCE AND U.S. MORTALITY  
AGE-ADJUSTED RATES AND TRENDS<sup>a</sup>  
By Race/Ethnicity

SEER Incidence	Rate 2001-2005 <sup>b</sup>		Seer 13 Areas <sup>c</sup>		SEER 9 Areas <sup>d</sup>	
	Rate per 100,000 persons		Trend 1996-2005		Trend 1996-2005	
			AAPC (%)		AAPC (%)	
RACE/ETHNICITY	Females		Females		Females	
All Races	8.4		-2.8*		-3.8*	
White	8.2		-2.4*		-2.6*	
White Hispanic <sup>e</sup>	13.7		-3.6*		-	
White Non-Hispanic <sup>e</sup>	7.0		-2.6*		-	
Black	10.8		-3.9*		-3.8*	
Asian/Pacific Islander	8.0		-4.8*		-	
Amer Ind/Alaska Nat <sup>f</sup>	6.9		-2.3		-	
Hispanic <sup>e</sup>	13.2		-3.5*		-	
U.S. Mortality <sup>g</sup>	Rate 2001-2005		Trend 1996-2005 <sup>h</sup>			
	Rate per 100,000 persons		AAPC (%)			
RACE/ETHNICITY	Females		Females			
All Races	2.5		-3.1*			
White	2.3		-2.8*			
White Hispanic <sup>e</sup>	3.3		-3.2*			
White Non-Hispanic <sup>e</sup>	2.2		-2.7*			
Black	4.7		-4.6*			
Asian/Pacific Islander	2.2		-4.1*			
Amer Ind/Alaska Nat						
Total U.S.	2.7		-4.1*			
CHSDA Counties	3.7		-3.2*			
Non-CHSDA Counties	1.4		-			
Hispanic <sup>e</sup>	3.2		-3.1*			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute.

Statistic not shown. Rate based on less than 16 cases for the time interval. Trend based on less than 10 cases for at least one year within the time interval.

Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

Incidence data used in calculating the 2001-2005 rates are from the SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey).

The SEER 13 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1992-2005.

The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1975-2005.

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 are based on NHIA and exclude cases from the Alaska Native Registry and Kentucky. The 2001-2005 Hispanic and Non-Hispanic death rates exclude deaths from Minnesota, New Hampshire and North Dakota. The 1996-2005 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.

Incidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

US Mortality Files, National Center for Health Statistics, CDC.

The 1996-2005 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2005.

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

Table V-9  
CERVIX UTERI CANCER (Invasive)

AGE-ADJUSTED SEER INCIDENCE RATES<sup>a</sup>  
By Registry, Race/Ethnicity and Age

	All Races			Whites			Blacks		
	All Ages	Ages <50	Ages 50+	All Ages	Ages <50	Ages 50+	All Ages	Ages <50	Ages 50+
<u>SEER INCIDENCE RATES<sup>a</sup>, 2001-2005</u>									
REGISTRY									
Atlanta & Rural Georgia	8.1	5.5	15.0	7.0	5.8	10.3	10.8	5.1	25.7
Atlanta	8.0	5.5	14.7	7.0	5.7	10.5	10.5	5.1	24.5
Rural Georgia	9.8	-	19.5	-	-	-	15.8	-	44.1
California	8.5	6.5	14.0	8.7	6.9	13.3	8.0	4.9	16.0
Greater Bay Area	6.7	5.1	10.8	6.7	5.5	9.9	8.0	5.1	15.6
San Francisco-Oakland	6.2	4.6	10.4	6.0	4.7	9.3	7.9	5.4	14.2
San Jose-Monterey	7.5	6.0	11.7	8.0	6.8	10.9	-	-	-
Los Angeles	10.9	7.8	19.0	11.5	8.5	19.1	8.7	5.5	16.9
Greater California	8.0	6.3	12.6	8.1	6.6	11.9	7.1	4.2	14.6
Connecticut	6.6	4.7	11.6	6.3	4.8	10.3	11.1	4.8	27.5
Detroit	8.5	6.5	14.0	7.5	6.0	11.4	12.1	8.1	22.4
Hawaii	7.6	6.2	11.1	6.7	5.6	9.6	-	-	-
Iowa	7.3	6.1	10.3	7.2	6.1	10.0	-	-	-
Kentucky	9.9	7.9	15.2	9.6	7.7	14.5	14.0	9.2	26.5
Louisiana	9.7	8.0	14.1	8.2	7.3	10.4	13.6	9.6	23.9
New Jersey	9.2	6.8	15.8	8.9	6.7	14.5	13.2	8.2	26.2
New Mexico	9.0	7.1	13.8	9.0	7.4	13.0	-	-	-
Seattle-Puget Sound	6.9	5.8	9.8	6.7	5.8	9.1	6.0	-	-
Utah	6.1	4.9	9.2	6.0	5.0	8.6	-	-	-
9 SEER Areas <sup>b</sup>	7.2	5.6	11.6	6.9	5.6	10.2	10.1	5.8	21.6
11 SEER Areas <sup>b</sup>	8.1	6.1	13.3	7.9	6.3	12.1	9.8	5.7	20.4
13 SEER Areas <sup>b</sup>	8.1	6.1	13.3	7.9	6.3	12.1	9.8	5.7	20.7
17 SEER Areas <sup>b</sup>	8.4	6.4	13.6	8.2	6.6	12.4	10.8	6.6	21.8

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

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.

The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

- Statistic not shown. Rate based on less than 16 cases for the time interval.



Table V-10  
CERVIX UTERI CANCER (Invasive)

AGE-ADJUSTED SEER DEATH RATES<sup>a</sup>  
By Registry, Race/Ethnicity and Age

	All Races			Whites			Blacks		
	All Ages	Ages <50	Ages 50+	All Ages	Ages <50	Ages 50+	All Ages	Ages <50	Ages 50+
<u>SEER DEATH RATES<sup>a</sup>, 2001-2005</u>									
REGISTRY									
Atlanta & Rural Georgia	2.5	1.0	6.4	2.0	1.0	4.6	3.5	1.1	10.0
Atlanta	2.5	1.0	6.4	2.0	1.0	4.8	3.5	1.1	9.6
Rural Georgia	-	-	-	-	-	-	-	-	-
California	2.4	1.2	5.6	2.4	1.2	5.3	3.5	1.6	8.5
Greater Bay Area	1.7	0.8	4.1	1.6	0.8	3.7	2.9	1.7	6.1
San Francisco-Oakland	1.7	0.7	4.1	1.6	0.7	3.8	3.0	-	6.1
San Jose-Monterey	1.8	0.9	4.2	1.7	0.9	3.6	-	-	-
Los Angeles	3.2	1.4	7.9	3.2	1.5	7.6	4.3	1.9	10.7
Greater California	2.3	1.2	5.0	2.2	1.3	4.8	2.8	1.2	7.0
Connecticut	1.7	0.6	4.7	1.7	0.6	4.6	2.3	-	-
Detroit	2.5	1.2	6.1	2.0	1.0	4.6	4.4	1.8	11.2
Hawaii	2.0	1.1	4.3	2.5	-	-	-	-	-
Iowa	2.2	1.2	5.1	2.2	1.2	5.0	-	-	-
Kentucky	2.9	1.6	6.1	2.7	1.5	5.7	5.6	3.0	12.6
Louisiana	3.0	1.8	6.1	2.0	1.3	3.9	5.5	2.9	12.3
New Jersey	2.7	1.4	6.1	2.5	1.3	5.4	5.0	2.1	12.6
New Mexico	2.6	1.3	6.0	2.6	1.3	5.9	-	-	-
Seattle-Puget Sound	1.7	0.7	4.2	1.5	0.7	3.8	-	-	-
Utah	1.5	0.7	3.6	1.5	0.7	3.6	-	-	-
9 SEER Areas <sup>b</sup>	2.0	0.9	4.9	1.9	0.9	4.4	3.5	1.3	9.2
11 SEER Areas <sup>b</sup>	2.3	1.0	5.5	2.1	1.0	5.0	3.7	1.4	9.5
13 SEER Areas <sup>b</sup>	2.3	1.0	5.5	2.1	1.0	5.0	3.7	1.4	9.6
17 SEER Areas <sup>b</sup>	2.4	1.2	5.5	2.2	1.2	5.0	4.2	1.8	10.4
Total U.S.	2.5	1.3	5.7	2.3	1.2	5.0	4.7	2.0	11.7

<sup>a</sup> US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention. Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.

The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

# SEER Incidence and US Death Rates<sup>a</sup> Cervix Uteri Cancer

Joinpoint Analyses for Whites and Blacks from 1975-2005  
and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2005

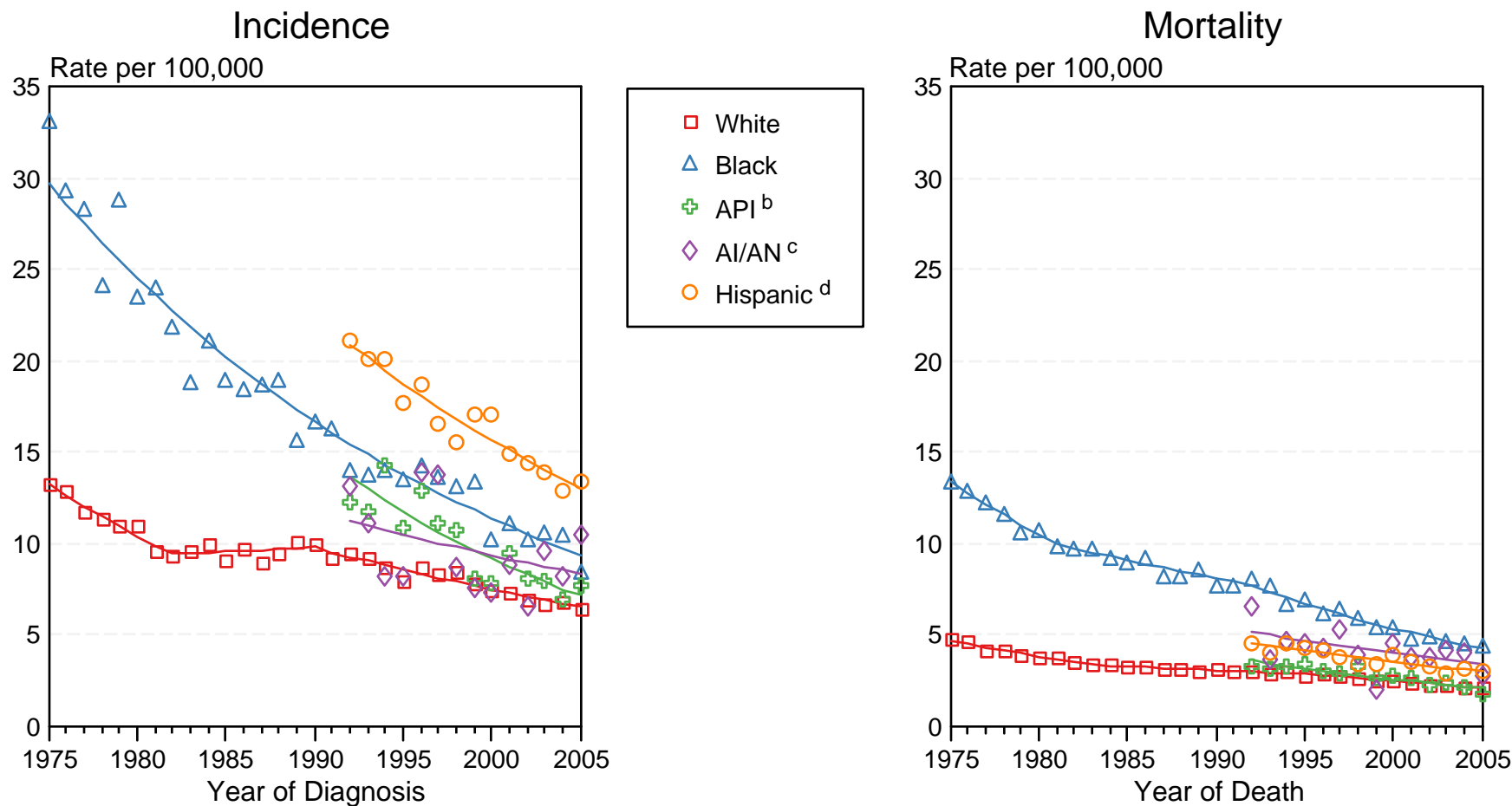


Figure V-3

Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta). Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Mortality data are from US Mortality Files, National Center for Health Statistics, CDC.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute.

<sup>b</sup> API = Asian/Pacific Islander.

<sup>c</sup> AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

<sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table VI-16  
COLON AND RECTUM CANCER (Invasive)

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

SEER Incidence	Rate 2001-2005 <sup>b</sup>			Seer 13 Areas <sup>c</sup> Trend 1996-2005 AAPC (%)			SEER 9 Areas <sup>d</sup> Trend 1996-2005 AAPC (%)		
	Rate per 100,000 persons			Total	Males	Females	Total	Males	Females
	Total	Males	Females	Total	Males	Females	Total	Males	Females
RACE/ETHNICITY									
All Races	50.6	59.2	43.8	-1.8*	-2.1*	-1.6*	-1.7*	-2.0*	-1.4*
White	50.1	58.9	43.2	-1.9*	-2.1*	-1.6*	-1.8*	-2.1*	-1.6*
White Hispanic <sup>e</sup>	39.8	48.2	33.1	-1.0*	-1.4*	-0.6*	-	-	-
White Non-Hispanic <sup>e</sup>	50.8	59.5	43.8	-1.9*	-2.1*	-1.6*	-	-	-
Black	61.2	71.2	54.5	-0.6*	-0.7*	-1.0*	-1.4	-0.8*	-0.4*
Asian/Pacific Islander	40.9	48.0	35.4	-2.0*	-2.6*	-0.7*	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	43.5	46.0	41.2	0.2	-0.3	0.8	-	-	-
Hispanic <sup>e</sup>	39.2	47.3	32.8	-0.7	-1.3*	-0.4	-	-	-
U.S. Mortality <sup>g</sup>									
	Rate 2001-2005			Trend 1996-2005 <sup>h</sup>					
	Rate per 100,000 persons			AAPC (%)					
	Total	Males	Females	Total	Males	Females			
RACE/ETHNICITY									
All Races	18.8	22.7	15.9	-2.7*	-2.8*	-2.6*			
White	18.3	22.1	15.3	-2.7*	-2.9*	-2.8*			
White Hispanic <sup>e</sup>	13.7	17.1	11.2	-1.6*	-1.9*	-1.5*			
White Non-Hispanic <sup>e</sup>	18.6	22.5	15.6	-2.6*	-2.7*	-2.6*			
Black	26.1	31.8	22.4	-1.8*	-1.7*	-2.0*			
Asian/Pacific Islander	12.0	14.4	10.2	-2.2*	-2.2*	-2.0*			
Amer Ind/Alaska Nat									
Total U.S.	12.8	15.6	10.6	-3.0*	-2.6*	-1.8*			
CHSDA Counties	16.9	20.5	14.2	-1.7	2.1	-0.8			
Non-CHSDA Counties	7.5	9.4	5.9	-2.6*	-5.5*	-3.1*			
Hispanic <sup>e</sup>	13.3	16.5	10.8	-1.5*	-1.9*	-1.4*			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute.

Statistic not shown. Rate based on less than 16 cases for the time interval. Trend based on less than 10 cases for at least one year within the time interval.

Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

Incidence data used in calculating the 2001-2005 rates are from the SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey).

The SEER 13 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1992-2005.

The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1975-2005.

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 are based on NHIA and exclude cases from the Alaska Native Registry and Kentucky. The 2001-2005 Hispanic and Non-Hispanic death rates exclude deaths from Minnesota, New Hampshire and North Dakota. The 1996-2005 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.

Incidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

US Mortality Files, National Center for Health Statistics, CDC.

The 1996-2005 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2005.

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

Table VI-17  
COLON CANCER (Invasive) and RECTUM CANCER (Invasive)

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

<u>Colon Incidence</u>	Rate 2001-2005 <sup>b</sup>			Seer 13 Areas <sup>c</sup>			SEER 9 Areas <sup>d</sup>		
	Rate per 100,000 persons			Trend 1996-2005			Trend 1996-2005		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
RACE/ETHNICITY									
All Races	36.6	41.4	32.9	-1.9*	-2.1*	-1.6*	-1.9*	-2.4*	-1.7*
White	36.2	41.1	32.4	-2.0*	-2.2*	-1.8*	-1.8*	-2.2*	-1.7*
White Hispanic <sup>e</sup>	27.6	32.0	24.2	-0.9	-0.5	-0.4	-	-	-
White Non-Hispanic <sup>e</sup>	36.8	41.7	33.0	-1.9*	-2.2*	-1.7*	-	-	-
Black	47.0	53.7	42.7	-0.6*	-0.7	-1.1*	-0.8*	-0.9*	-0.2
Asian/Pacific Islander	27.7	31.1	25.2	-2.0*	-2.8*	-0.7	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	31.3	30.4	31.9	-0.1	-1.0	0.9	-	-	-
Hispanic <sup>e</sup>	27.2	31.4	23.9	-0.8	-1.2	-0.2	-	-	-
<u>Rectum Incidence</u>									
	Rate 2001-2005 <sup>b</sup>			Seer 13 Areas <sup>c</sup>			SEER 9 Areas <sup>d</sup>		
	Rate per 100,000 persons			Trend 1996-2005			Trend 1996-2005		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
RACE/ETHNICITY									
All Races	14.0	17.9	10.9	-1.6*	-2.0*	-1.6	-2.5*	-3.0*	-2.2*
White	13.9	17.8	10.8	-1.8*	-2.2*	-1.9	-2.5*	-2.8*	-2.2*
White Hispanic <sup>e</sup>	12.2	16.2	9.0	-1.0*	-1.2*	-1.0*	-	-	-
White Non-Hispanic <sup>e</sup>	14.0	17.8	10.8	-1.8*	-2.2*	-1.9	-	-	-
Black	14.2	17.5	11.8	-0.4	-0.6	0.0	-6.1*	-7.7*	-1.7*
Asian/Pacific Islander	13.2	16.9	10.2	-1.2*	-2.2*	-0.6	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	12.2	15.7	9.3	0.5	-	-	-	-	-
Hispanic <sup>e</sup>	12.0	15.9	8.9	-0.8*	-1.1*	-0.7	-	-	-

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute.

- Statistic not shown. Rate based on less than 16 cases for the time interval. Trend based on less than 10 cases for at least one year within the time interval.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> Incidence data used in calculating the 2001-2005 rates are from the SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey).

<sup>c</sup> The SEER 13 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1992-2005.

<sup>d</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1975-2005.

<sup>e</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 are based on NHIA and exclude cases from the Alaska Native Registry and Kentucky.

<sup>f</sup> Incidence data for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

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

Table VI-18  
COLON AND RECTUM CANCER (Invasive)

AGE-ADJUSTED SEER INCIDENCE RATES<sup>a</sup>  
By Registry, Race and Sex

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>SEER INCIDENCE RATES<sup>a</sup>, 2001-2005</u>									
REGISTRY									
Atlanta & Rural Georgia	46.7	54.7	41.3	42.7	50.7	36.6	58.7	69.6	52.8
Atlanta	46.4	53.7	41.5	42.5	49.9	37.0	58.4	68.8	53.0
Rural Georgia	53.2	71.8	39.8	45.2	63.4	31.6	67.6	88.8	53.2
California	46.0	53.8	39.8	45.8	53.7	39.4	56.7	64.4	51.0
Greater Bay Area	45.3	52.5	39.7	45.2	52.2	39.5	52.4	61.4	46.1
San Francisco-Oakland	46.5	54.0	40.5	46.0	53.6	39.8	52.7	61.0	46.9
San Jose-Monterey	43.0	49.4	38.0	43.6	49.7	38.9	48.3	65.9	36.5
Los Angeles	47.0	54.7	41.0	45.4	53.1	39.4	60.4	69.2	54.3
Greater California	45.8	53.8	39.3	46.2	54.5	39.5	54.6	59.8	49.9
Connecticut	55.3	65.2	47.9	55.2	65.4	47.4	56.2	61.1	52.5
Detroit	54.8	64.1	48.1	51.8	60.8	45.1	67.8	80.5	59.6
Hawaii	51.7	62.4	42.5	51.4	60.2	43.2	39.8	54.2	-
Iowa	57.9	67.2	50.5	57.7	67.0	50.3	65.6	84.6	52.8
Kentucky	59.3	70.3	51.4	58.7	69.8	50.6	71.6	81.2	65.5
Louisiana	57.6	70.1	48.4	55.3	68.2	45.4	65.5	77.4	57.4
New Jersey	57.8	68.3	49.9	57.6	68.2	49.6	62.0	74.3	54.2
New Mexico	42.4	50.8	35.4	43.4	52.0	36.1	31.8	29.2	33.8
Seattle-Puget Sound	47.4	54.2	41.6	47.7	54.6	41.8	52.6	58.4	47.8
Utah	39.7	46.3	34.1	40.0	46.6	34.5	54.8	81.2	-
9 SEER Areas <sup>b</sup>	50.3	58.5	43.8	49.7	58.0	43.1	60.3	70.2	54.0
11 SEER Areas <sup>b</sup>	49.1	57.1	42.8	48.5	56.5	42.1	60.2	69.9	53.9
13 SEER Areas <sup>b</sup>	49.2	57.3	42.9	48.5	56.5	42.0	60.3	70.1	53.9
17 SEER Areas <sup>b</sup>	50.6	59.2	43.8	50.1	58.9	43.2	61.2	71.2	54.5

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

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.

The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Table VI-19  
COLON AND RECTUM CANCER (Invasive)

AGE-ADJUSTED SEER DEATH RATES<sup>a</sup>

By Registry, Race and Sex

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>SEER DEATH RATES<sup>a</sup>, 2001-2005</u>									
REGISTRY									
Atlanta & Rural Georgia	17.1	20.4	15.1	14.1	17.6	11.8	25.7	29.5	23.7
Atlanta	16.9	20.1	15.0	14.1	17.4	11.9	25.4	29.1	23.5
Rural Georgia	20.5	26.0	16.5	14.8	19.9	10.2	31.6	37.3	27.9
California	16.7	19.8	14.3	16.7	19.8	14.2	25.8	29.6	23.0
Greater Bay Area	15.7	18.4	13.6	15.7	18.2	13.6	24.0	29.5	20.3
San Francisco-Oakland	16.7	19.7	14.3	16.4	19.3	14.1	24.3	29.2	20.9
San Jose-Monterey	13.6	15.6	12.1	14.2	16.1	12.7	22.8	33.4	15.0
Los Angeles	17.2	20.4	14.8	16.5	19.8	14.1	27.4	32.0	24.2
Greater California	16.8	20.0	14.3	17.0	20.3	14.4	24.8	26.7	23.3
Connecticut	17.7	20.7	15.5	17.6	20.8	15.2	21.6	24.5	20.0
Detroit	19.1	22.9	16.6	17.8	21.3	15.4	25.3	31.2	21.6
Hawaii	16.1	21.1	11.8	16.2	20.3	12.3	-	-	-
Iowa	19.5	23.7	16.5	19.5	23.6	16.5	24.8	38.5	-
Kentucky	22.0	26.6	18.9	21.6	26.3	18.3	31.2	33.2	30.3
Louisiana	22.3	28.5	17.9	20.0	26.2	15.6	29.8	36.9	25.1
New Jersey	20.8	24.9	17.9	20.7	24.8	17.7	25.8	30.8	22.7
New Mexico	16.9	20.6	13.8	17.1	20.8	14.0	19.4	26.0	-
Seattle-Puget Sound	16.4	18.8	14.4	16.4	19.0	14.2	23.2	23.9	21.6
Utah	13.6	15.9	11.8	13.6	15.9	11.8	-	-	-
9 SEER Areas <sup>b</sup>	17.4	20.6	14.9	17.0	20.2	14.6	24.4	29.1	21.5
11 SEER Areas <sup>b</sup>	17.1	20.3	14.7	16.8	19.9	14.4	25.2	29.8	22.1
13 SEER Areas <sup>b</sup>	17.1	20.3	14.7	16.7	19.9	14.3	25.3	29.9	22.2
17 SEER Areas <sup>b</sup>	18.1	21.6	15.5	17.8	21.3	15.1	26.4	31.1	23.2
Total U.S.	18.8	22.7	15.9	18.3	22.1	15.3	26.1	31.8	22.4

<sup>a</sup> US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention. Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.

The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

# SEER Incidence and US Death Rates<sup>a</sup> Colon and Rectum Cancer, Both Sexes

Joinpoint Analyses for Whites and Blacks from 1975-2005  
and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2005

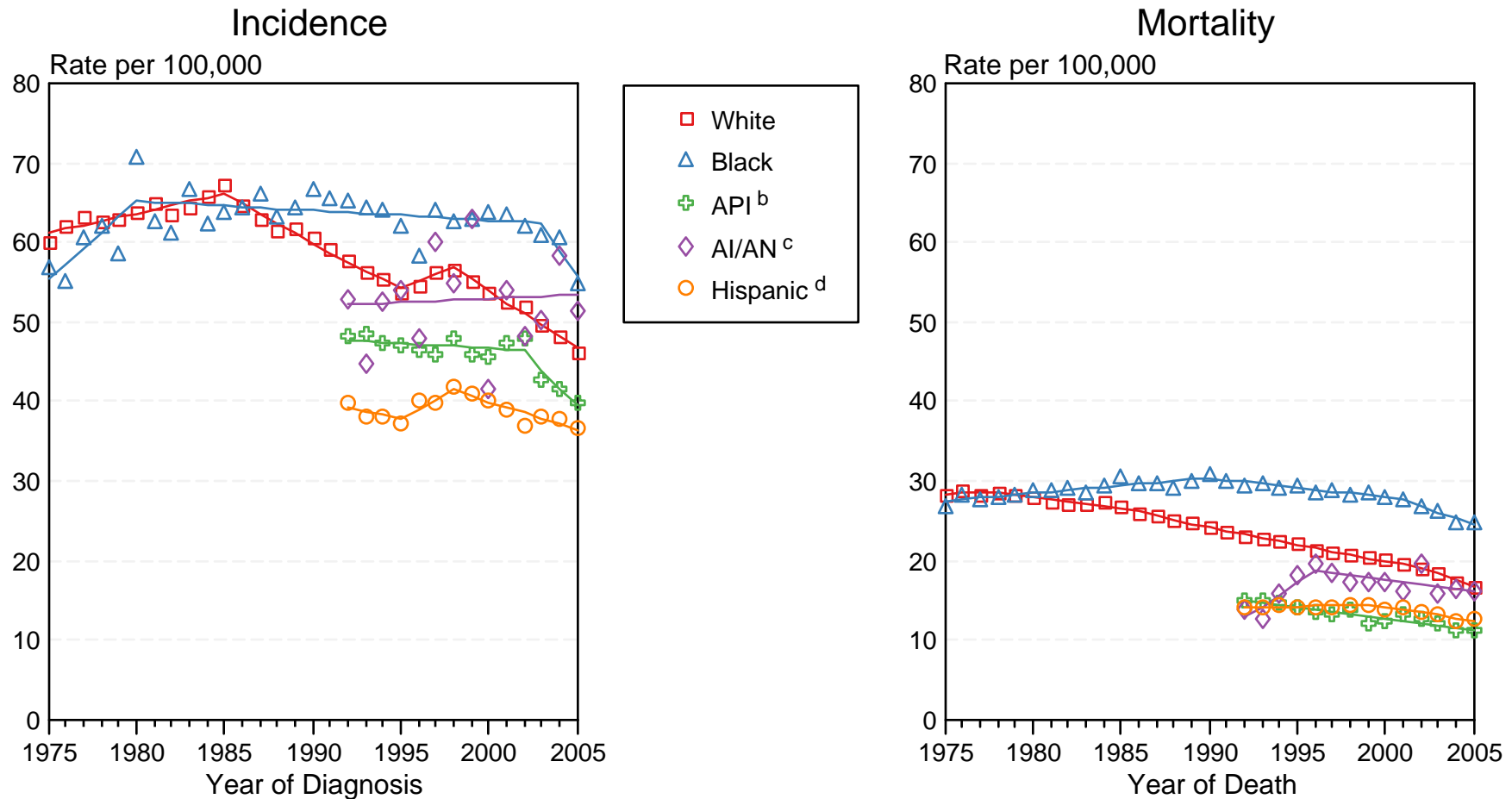


Figure VI-2

Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta). Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Mortality data are from US Mortality Files, National Center for Health Statistics, CDC.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute.

<sup>b</sup> API = Asian/Pacific Islander.

<sup>c</sup> AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

<sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table VII-8  
CORPUS AND UTERUS, NOS CANCER (Invasive)

SEER INCIDENCE AND U.S. MORTALITY  
AGE-ADJUSTED RATES AND TRENDS<sup>a</sup>  
By Race/Ethnicity

SEER Incidence	Rate 2001-2005 <sup>b</sup>		Seer 13 Areas <sup>c</sup>		SEER 9 Areas <sup>d</sup>	
	Rate per 100,000 persons		Trend 1996-2005		Trend 1996-2005	
			AAPC (%)		AAPC (%)	
RACE/ETHNICITY	Females		Females		Females	
All Races	23.4		-0.3*		-0.5*	
White	24.3		-0.8*		-0.7*	
White Hispanic <sup>e</sup>	18.2		0.9*		-	
White Non-Hispanic <sup>e</sup>	25.4		-0.9*		-	
Black	20.3		1.6*		2.0*	
Asian/Pacific Islander	16.5		1.1*		-	
Amer Ind/Alaska Nat <sup>f</sup>	15.3		-		-	
Hispanic <sup>e</sup>	17.8		1.0*		-	
U.S. Mortality <sup>g</sup>	Rate 2001-2005		Trend 1996-2005 <sup>h</sup>			
	Rate per 100,000 persons		AAPC (%)			
RACE/ETHNICITY	Females		Females			
All Races	4.1		0.1			
White	3.9		-0.2			
White Hispanic <sup>e</sup>	3.2		-0.3			
White Non-Hispanic <sup>e</sup>	3.9		-0.2			
Black	7.1		0.2			
Asian/Pacific Islander	2.4		1.4			
Amer Ind/Alaska Nat						
Total U.S.	2.3		-2.0			
CHSDA Counties	3.1		-			
Non-CHSDA Counties	1.2		-			
Hispanic <sup>e</sup>	3.2		-0.2			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute.

- Statistic not shown. Rate based on less than 16 cases for the time interval. Trend based on less than 10 cases for at least one year within the time interval.

a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

b Incidence data used in calculating the 2001-2005 rates are from the SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey).

c The SEER 13 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1992-2005.

d The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1975-2005.

e 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 are based on NHIA and exclude cases from the Alaska Native Registry and Kentucky. The 2001-2005 Hispanic and Non-Hispanic death rates exclude deaths from Minnesota, New Hampshire and North Dakota. The 1996-2005 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.

f Incidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

g US Mortality Files, National Center for Health Statistics, CDC.

h The 1996-2005 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2005.

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



Table VII-9  
CORPUS AND UTERUS, NOS CANCER (Invasive)

AGE-ADJUSTED SEER INCIDENCE RATES<sup>a</sup>  
By Registry, Race/Ethnicity and Age

	All Races			Whites			Blacks		
	All Ages	Ages <50	Ages 50+	All Ages	Ages <50	Ages 50+	All Ages	Ages <50	Ages 50+
<u>SEER INCIDENCE RATES<sup>a</sup>, 2001-2005</u>									
REGISTRY									
Atlanta & Rural Georgia	18.0	4.0	54.8	18.9	4.1	57.7	17.4	3.6	53.4
Atlanta	18.3	4.0	55.6	19.1	4.2	58.1	17.8	3.5	55.2
Rural Georgia	14.3	-	43.4	15.4	-	51.6	12.0	-	-
California	21.7	4.8	66.0	22.7	4.7	69.8	19.6	3.3	62.3
Greater Bay Area	22.4	4.6	69.2	23.9	4.0	76.2	20.7	4.2	63.9
San Francisco-Oakland	23.3	4.7	72.0	24.6	3.7	79.3	21.3	4.4	65.6
San Jose-Monterey	20.6	4.3	63.3	22.7	4.5	70.4	16.3	-	50.7
Los Angeles	22.1	5.3	66.2	23.6	5.4	71.2	20.3	3.4	64.3
Greater California	21.2	4.6	64.6	21.9	4.6	67.3	18.2	2.7	58.6
Connecticut	28.7	5.7	88.9	29.4	6.0	90.7	22.2	3.4	71.2
Detroit	26.7	5.4	82.3	28.0	5.7	86.5	23.6	4.9	72.7
Hawaii	26.8	9.5	72.1	27.1	4.7	85.8	-	-	-
Iowa	27.3	5.6	84.1	27.4	5.6	84.5	-	-	-
Kentucky	22.6	6.5	64.9	22.7	6.5	65.1	19.1	4.8	56.7
Louisiana	17.8	4.5	52.7	18.0	5.5	50.7	18.4	2.5	59.9
New Jersey	28.4	5.2	89.2	29.9	5.5	94.0	22.9	3.6	73.4
New Mexico	19.5	5.3	56.7	19.8	5.0	58.7	-	-	-
Seattle-Puget Sound	25.2	4.8	78.5	26.4	4.9	82.5	18.1	-	60.2
Utah	22.1	4.8	67.3	22.3	4.6	68.7	-	-	-
9 SEER Areas <sup>b</sup>	24.6	5.2	75.5	25.6	5.0	79.5	20.9	3.9	65.3
11 SEER Areas <sup>b</sup>	23.8	5.2	72.7	25.0	5.1	77.2	20.6	3.8	64.7
13 SEER Areas <sup>b</sup>	23.8	5.2	72.5	25.0	5.1	77.2	20.5	3.8	64.2
17 SEER Areas <sup>b</sup>	23.4	5.1	71.2	24.3	5.1	74.7	20.3	3.5	64.2

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

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.

The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Table VII-10  
CORPUS AND UTERUS, NOS CANCER (Invasive)

AGE-ADJUSTED SEER DEATH RATES<sup>a</sup>  
By Registry, Race/Ethnicity and Age

	All Races			Whites			Blacks		
	All Ages	Ages <50	Ages 50+	All Ages	Ages <50	Ages 50+	All Ages	Ages <50	Ages 50+
<u>SEER DEATH RATES<sup>a</sup>, 2001-2005</u>									
REGISTRY									
Atlanta & Rural Georgia	3.7	0.3	12.8	2.9	-	9.9	5.9	-	20.6
Atlanta	3.7	0.3	12.7	2.8	-	9.8	5.9	-	20.5
Rural Georgia	-	-	-	-	-	-	-	-	-
California	3.9	0.4	13.1	3.9	0.4	13.2	7.1	0.5	24.3
Greater Bay Area	4.0	0.3	13.4	4.0	0.2	14.0	7.1	-	24.4
San Francisco-Oakland	4.0	0.4	13.6	4.0	-	13.8	7.4	-	25.3
San Jose-Monterey	3.8	-	13.2	4.1	-	14.6	-	-	-
Los Angeles	4.3	0.4	14.4	4.2	0.4	14.1	7.3	-	25.5
Greater California	3.7	0.4	12.4	3.7	0.4	12.5	6.6	-	22.4
Connecticut	4.3	0.4	14.7	4.2	0.3	14.3	6.6	-	22.2
Detroit	5.1	0.4	17.5	4.6	-	16.0	7.3	1.0	23.7
Hawaii	3.7	-	12.0	3.1	-	10.2	-	-	-
Iowa	4.5	0.5	15.1	4.5	0.5	14.9	-	-	-
Kentucky	3.4	0.4	11.3	3.3	0.4	10.8	5.9	-	20.3
Louisiana	3.6	0.5	11.6	2.5	0.5	7.9	6.9	-	23.4
New Jersey	5.2	0.4	17.8	5.0	0.4	17.2	7.5	-	26.2
New Mexico	3.9	0.5	12.7	3.8	-	12.9	-	-	-
Seattle-Puget Sound	4.1	0.3	13.8	4.1	0.3	13.9	6.5	-	23.6
Utah	3.8	-	13.3	3.8	-	13.4	-	-	-
9 SEER Areas <sup>b</sup>	4.2	0.4	14.3	4.1	0.3	14.0	6.7	0.6	22.7
11 SEER Areas <sup>b</sup>	4.2	0.4	14.3	4.1	0.3	14.0	6.8	0.5	23.3
13 SEER Areas <sup>b</sup>	4.2	0.4	14.2	4.1	0.3	14.0	6.8	0.5	23.3
17 SEER Areas <sup>b</sup>	4.1	0.4	13.9	4.0	0.3	13.5	6.9	0.5	23.6
Total U.S.	4.1	0.4	14.0	3.9	0.3	13.1	7.1	0.5	24.4

<sup>a</sup> US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention. Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.

The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

# SEER Incidence and US Death Rates<sup>a</sup> Corpus and Uterus, NOS Cancer

Joinpoint Analyses for Whites and Blacks from 1975-2005

and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2005

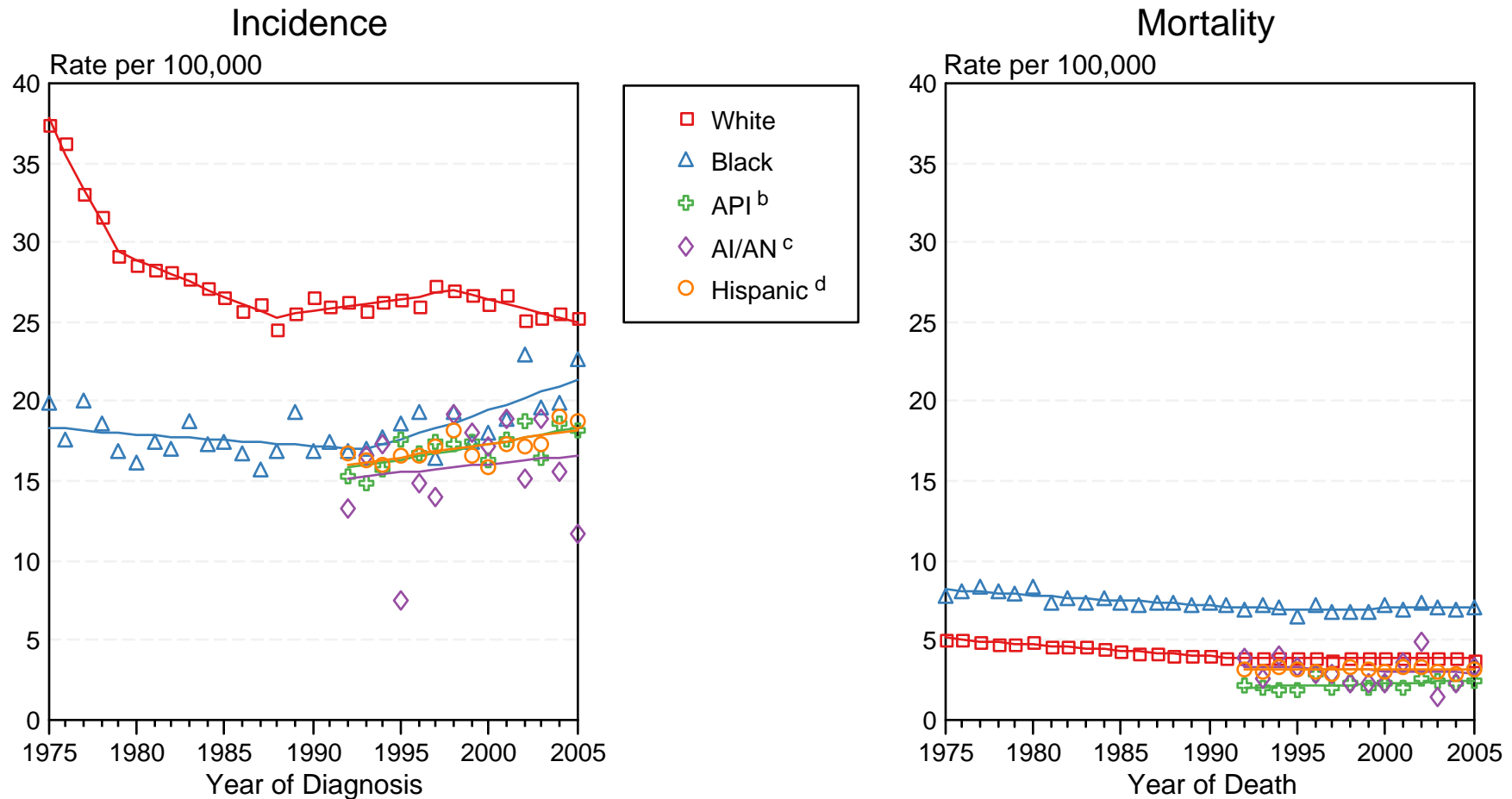


Figure VII-3

Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta). Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Mortality data are from US Mortality Files, National Center for Health Statistics, CDC.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute.

<sup>b</sup> API = Asian/Pacific Islander.

<sup>c</sup> AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

<sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table VIII-10  
ESOPHAGUS CANCER (Invasive)

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

<u>SEER Incidence</u>	Rate 2001-2005 <sup>b</sup>			Seer 13 Areas <sup>c</sup> Trend 1996-2005 AAPC (%)			SEER 9 Areas <sup>d</sup> Trend 1996-2005 AAPC (%)		
	Rate per 100,000 persons			Total	Males	Females	Total	Males	Females
	Total	Males	Females	Total	Males	Females	Total	Males	Females
RACE/ETHNICITY									
All Races	4.6	7.8	2.0	0.1	0.2	-0.7	0.5*	0.7*	-0.3*
White	4.6	8.0	1.9	1.1*	1.4*	-0.1	1.4*	1.7*	0.1
White Hispanic <sup>e</sup>	3.1	5.6	1.2	-1.4	-1.2	-	-	-	-
White Non-Hispanic <sup>e</sup>	4.9	8.3	2.0	1.5*	1.7*	0.2	-	-	-
Black	5.9	9.9	3.0	-4.9*	-5.4*	-3.7*	-4.5*	-5.0*	-2.6*
Asian/Pacific Islander	2.4	4.0	1.2	-1.2	-1.8*	-	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	4.4	7.1	2.0	-	-	-	-	-	-
Hispanic <sup>e</sup>	3.1	5.5	1.2	-1.1	-1.0	-2.0	-	-	-
<u>U.S. Mortality<sup>g</sup></u>									
	Rate 2001-2005			Trend 1996-2005 <sup>h</sup>					
	Rate per 100,000 persons			AAPC (%)					
	Total	Males	Females	Total	Males	Females			
RACE/ETHNICITY									
All Races	4.4	7.8	1.7	0.4*	0.5*	-0.5*			
White	4.4	7.8	1.6	1.2*	1.5*	-0.1			
White Hispanic <sup>e</sup>	2.4	4.3	1.0	-1.8*	-1.6*	-2.4*			
White Non-Hispanic <sup>e</sup>	4.5	8.1	1.7	1.4*	1.7*	0.1			
Black	5.7	9.8	2.8	-4.3*	-4.5*	-3.5*			
Asian/Pacific Islander	1.8	3.1	0.8	-2.8*	-3.1*	-1.2			
Amer Ind/Alaska Nat									
Total U.S.	3.1	5.3	1.4	2.2*	1.5*	-			
CHSDA Counties	4.0	7.1	1.6	3.9*	3.2*	-			
Non-CHSDA Counties	1.9	3.0	1.0	-	-	-			
Hispanic <sup>e</sup>	2.3	4.2	0.9	-1.8*	-1.6*	-2.0*			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute.

Statistic not shown. Rate based on less than 16 cases for the time interval. Trend based on less than 10 cases for at least one year within the time interval.

Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

Incidence data used in calculating the 2001-2005 rates are from the SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey).

The SEER 13 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1992-2005.

The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1975-2005.

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 are based on NHIA and exclude cases from the Alaska Native Registry and Kentucky. The 2001-2005 Hispanic and Non-Hispanic death rates exclude deaths from Minnesota, New Hampshire and North Dakota. The 1996-2005 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.

Incidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

US Mortality Files, National Center for Health Statistics, CDC.

The 1996-2005 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2005.

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

Table VIII-11  
ESOPHAGUS CANCER (Invasive)

AGE-ADJUSTED SEER INCIDENCE RATES<sup>a</sup>  
 By Registry, Race and Sex

	<u>All Races</u>			<u>Whites</u>			<u>Blacks</u>		
	<u>Total</u>	<u>Males</u>	<u>Females</u>	<u>Total</u>	<u>Males</u>	<u>Females</u>	<u>Total</u>	<u>Males</u>	<u>Females</u>
<u>SEER INCIDENCE RATES<sup>a</sup>, 2001-2005</u>									
<u>REGISTRY</u>									
Atlanta & Rural Georgia	4.5	7.5	2.2	4.0	6.7	1.8	5.9	9.7	3.2
Atlanta	4.4	7.3	2.2	3.9	6.6	1.8	5.5	9.1	3.1
Rural Georgia	7.5	12.1	-	4.8	7.8	-	13.0	22.3	-
California	4.1	6.9	1.8	4.3	7.3	1.9	4.8	7.9	2.6
Greater Bay Area	4.0	6.7	1.9	4.4	7.5	2.0	4.9	7.6	2.9
San Francisco-Oakland	4.1	6.9	1.9	4.5	7.6	2.0	4.8	7.9	2.7
San Jose-Monterey	4.0	6.5	2.0	4.3	7.2	1.9	-	-	-
Los Angeles	3.7	6.0	1.8	3.8	6.3	1.9	4.8	7.9	2.6
Greater California	4.3	7.4	1.9	4.5	7.7	1.9	4.7	8.3	2.1
Connecticut	5.7	9.8	2.4	5.6	9.8	2.3	7.1	11.8	3.7
Detroit	5.4	9.2	2.6	5.2	8.9	2.3	6.8	11.2	3.7
Hawaii	3.5	6.2	1.2	3.6	6.2	-	-	-	-
Iowa	5.3	9.7	1.8	5.4	9.8	1.8	-	-	-
Kentucky	5.0	8.8	1.9	4.9	8.6	1.8	7.3	13.5	2.9
Louisiana	5.1	9.1	1.8	4.8	8.6	1.7	5.9	10.9	2.3
New Jersey	5.0	8.5	2.3	4.8	8.3	2.1	6.9	12.0	3.3
New Mexico	4.0	7.0	1.5	4.2	7.3	1.5	-	-	-
Seattle-Puget Sound	5.0	8.5	2.2	5.1	8.7	2.2	4.0	-	-
Utah	3.4	6.1	1.0	3.5	6.3	1.0	-	-	-
9 SEER Areas <sup>b</sup>	4.8	8.2	2.0	4.8	8.4	1.9	5.9	9.6	3.3
11 SEER Areas <sup>b</sup>	4.5	7.6	2.0	4.6	7.9	1.9	5.6	9.0	3.2
13 SEER Areas <sup>b</sup>	4.5	7.7	2.0	4.6	7.9	1.9	5.7	9.2	3.2
17 SEER Areas <sup>b</sup>	4.6	7.8	2.0	4.6	8.0	1.9	5.9	9.9	3.0

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

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.

The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Table VIII-12  
ESOPHAGUS CANCER (Invasive)

AGE-ADJUSTED SEER DEATH RATES<sup>a</sup>  
 By Registry, Race and Sex

	<u>All Races</u>			<u>Whites</u>			<u>Blacks</u>		
	<u>Total</u>	<u>Males</u>	<u>Females</u>	<u>Total</u>	<u>Males</u>	<u>Females</u>	<u>Total</u>	<u>Males</u>	<u>Females</u>
<u>SEER DEATH RATES<sup>a</sup>, 2001-2005</u>									
REGISTRY									
Atlanta & Rural Georgia	3.9	6.6	1.9	3.3	5.5	1.6	5.5	10.1	2.4
Atlanta	3.7	6.4	1.8	3.3	5.5	1.5	5.0	9.3	2.2
Rural Georgia	6.9	10.9	-	3.7	-	-	13.1	22.9	-
California	3.7	6.5	1.6	4.0	6.9	1.7	4.3	7.1	2.3
Greater Bay Area	3.6	6.0	1.6	4.0	6.7	1.8	4.8	7.9	2.6
San Francisco-Oakland	3.7	6.4	1.6	4.1	7.2	1.7	4.9	8.2	2.6
San Jose-Monterey	3.3	5.4	1.7	3.7	6.0	1.9	-	-	-
Los Angeles	3.2	5.5	1.5	3.3	5.8	1.5	4.1	6.5	2.3
Greater California	4.1	7.1	1.7	4.3	7.4	1.8	4.3	7.6	1.9
Connecticut	4.7	8.4	1.9	4.6	8.3	1.8	6.3	11.5	2.7
Detroit	4.9	8.8	1.9	5.0	9.1	1.8	4.8	8.6	2.2
Hawaii	2.6	4.7	0.8	3.1	5.6	-	-	-	-
Iowa	4.7	8.6	1.7	4.7	8.6	1.7	-	-	-
Kentucky	4.6	8.4	1.6	4.5	8.2	1.5	6.7	12.5	-
Louisiana	4.4	8.1	1.6	4.2	7.6	1.5	5.4	9.9	2.1
New Jersey	4.3	7.5	1.8	4.3	7.5	1.8	5.4	9.9	2.4
New Mexico	3.8	6.9	1.3	3.9	7.2	1.3	-	-	-
Seattle-Puget Sound	4.6	8.2	1.8	4.8	8.6	1.8	4.2	-	-
Utah	3.3	6.1	0.8	3.3	6.2	0.8	-	-	-
9 SEER Areas <sup>b</sup>	4.2	7.5	1.6	4.4	7.8	1.6	5.0	8.7	2.4
11 SEER Areas <sup>b</sup>	3.9	6.9	1.6	4.1	7.3	1.6	4.7	8.1	2.4
13 SEER Areas <sup>b</sup>	4.0	7.0	1.6	4.1	7.3	1.6	4.9	8.3	2.4
17 SEER Areas <sup>b</sup>	4.1	7.2	1.7	4.2	7.4	1.7	5.0	8.9	2.3
Total U.S.	4.4	7.8	1.7	4.4	7.8	1.6	5.7	9.8	2.8

<sup>a</sup> US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention. Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.

The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

# SEER Incidence and US Death Rates<sup>a</sup> Esophagus Cancer, Both Sexes

Joinpoint Analyses for Whites and Blacks from 1975-2005

and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2005

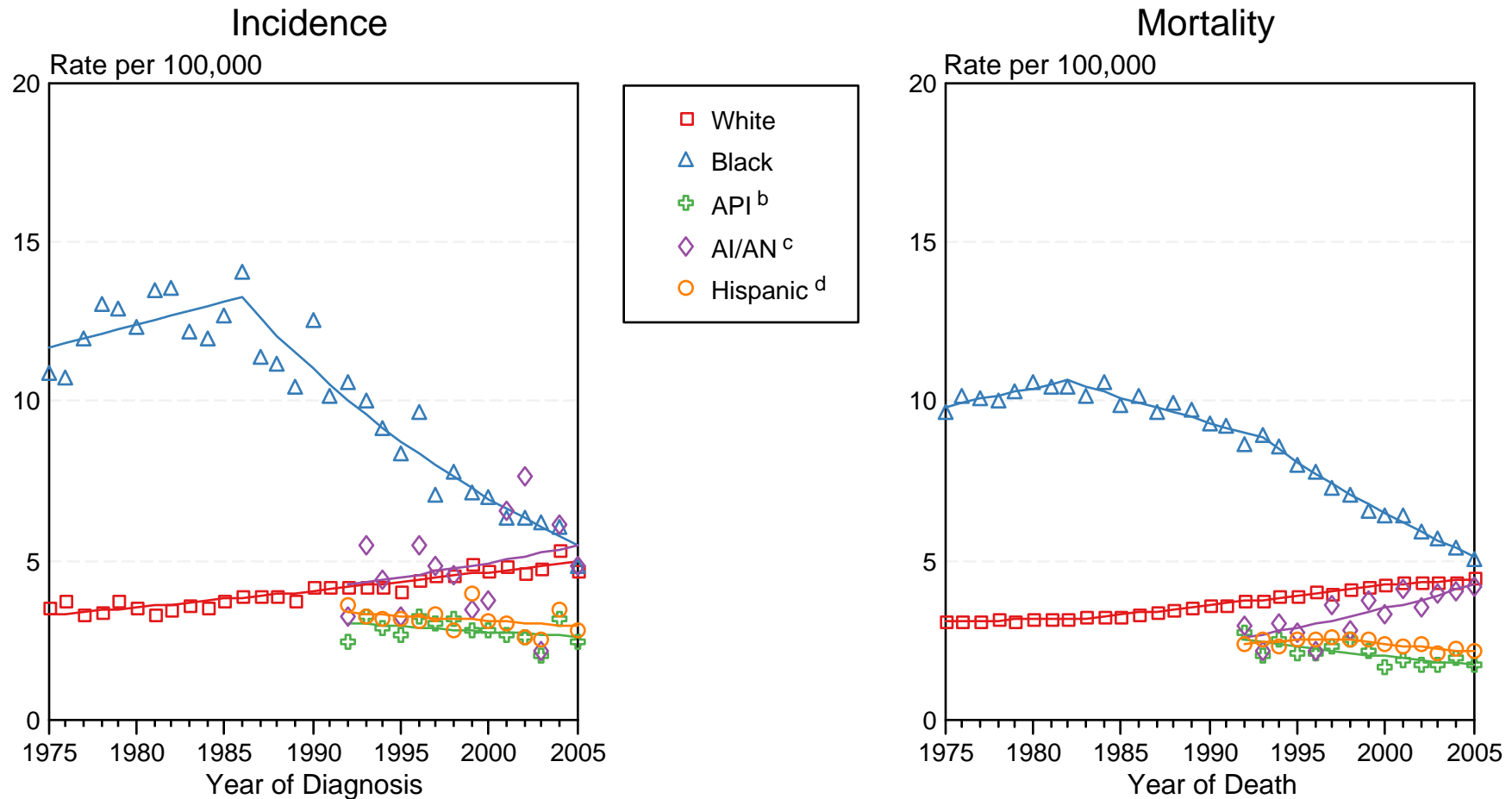


Figure VIII-2

Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta). Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Mortality data are from US Mortality Files, National Center for Health Statistics, CDC.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute.

<sup>b</sup> API = Asian/Pacific Islander.

<sup>c</sup> AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

<sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table IX-10  
HODGKIN LYMPHOMA

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

SEER Incidence	Rate 2001-2005 <sup>b</sup>			Seer 13 Areas <sup>c</sup> Trend 1996-2005 AAPC (%)			SEER 9 Areas <sup>d</sup> Trend 1996-2005 AAPC (%)		
	Rate per 100,000 persons			Total	Males	Females	Total	Males	Females
	Total	Males	Females	Total	Males	Females	Total	Males	Females
RACE/ETHNICITY									
All Races	2.8	3.1	2.5	0.1	0.0	0.2	-0.2*	-0.6*	0.4*
White	3.0	3.3	2.7	0.0	-0.1	0.1	-0.2	-0.6*	0.3*
White Hispanic <sup>e</sup>	2.4	2.9	1.9	0.2	0.0	0.4	-	-	-
White Non-Hispanic <sup>e</sup>	3.3	3.6	3.0	0.3	0.2	0.4	-	-	-
Black	2.5	2.9	2.3	0.7	0.7	0.7	1.0*	0.0	2.5*
Asian/Pacific Islander	1.2	1.4	1.1	3.2*	2.1	4.3*	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	1.0	1.4	-	-	-	-	-	-	-
Hispanic <sup>e</sup>	2.3	2.9	1.9	0.3	0.3	0.4	-	-	-
U.S. Mortality <sup>g</sup>									
	Rate 2001-2005			Trend 1996-2005 <sup>h</sup>					
	Rate per 100,000 persons			AAPC (%)					
	Total	Males	Females	Total	Males	Females			
RACE/ETHNICITY									
All Races	0.4	0.5	0.4	-2.9*	-2.4*	-2.6*			
White	0.5	0.6	0.4	-2.9*	-2.2*	-2.6*			
White Hispanic <sup>e</sup>	0.5	0.6	0.3	-3.4*	-3.4*	-3.5*			
White Non-Hispanic <sup>e</sup>	0.5	0.6	0.4	-2.5*	-1.9*	-2.2*			
Black	0.4	0.5	0.3	-3.4*	-3.9*	-2.8*			
Asian/Pacific Islander	0.2	0.3	0.2	-	-	-			
Amer Ind/Alaska Nat									
Total U.S.	0.2	-	-	-	-	-			
CHSDA Counties	-	-	-	-	-	-			
Non-CHSDA Counties	-	-	-	-	-	-			
Hispanic <sup>e</sup>	0.4	0.6	0.3	-3.4*	-3.3*	-3.5*			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute.

Statistic not shown. Rate based on less than 16 cases for the time interval. Trend based on less than 10 cases for at least one year within the time interval.

Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

Incidence data used in calculating the 2001-2005 rates are from the SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey).

The SEER 13 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1992-2005.

The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1975-2005.

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 are based on NHIA and exclude cases from the Alaska Native Registry and Kentucky. The 2001-2005 Hispanic and Non-Hispanic death rates exclude deaths from Minnesota, New Hampshire and North Dakota. The 1996-2005 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.

Incidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

US Mortality Files, National Center for Health Statistics, CDC.

The 1996-2005 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2005.

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



Table IX-11  
HODGKIN LYMPHOMA

AGE-ADJUSTED SEER INCIDENCE RATES<sup>a</sup>  
By Registry, Race and Sex

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>SEER INCIDENCE RATES<sup>a</sup>, 2001-2005</u>									
REGISTRY									
Atlanta & Rural Georgia	2.5	2.6	2.4	2.8	2.8	2.7	2.5	2.8	2.2
Atlanta	2.5	2.6	2.4	2.8	2.8	2.7	2.4	2.7	2.2
Rural Georgia	3.0	-	-	-	-	-	-	-	-
California	2.5	2.8	2.2	2.7	3.0	2.4	2.3	2.7	2.1
Greater Bay Area	2.6	3.0	2.2	3.0	3.4	2.6	2.2	2.6	1.8
San Francisco-Oakland	2.5	2.9	2.1	2.8	3.2	2.4	2.2	2.8	1.7
San Jose-Monterey	2.8	3.2	2.5	3.2	3.7	2.8	-	-	-
Los Angeles	2.4	2.8	2.1	2.7	3.0	2.4	2.3	2.6	2.0
Greater California	2.5	2.8	2.2	2.6	2.9	2.4	2.6	2.9	2.4
Connecticut	3.5	3.9	3.3	3.6	4.0	3.3	3.8	4.3	3.5
Detroit	3.2	3.4	3.1	3.4	3.6	3.4	2.9	3.2	2.7
Hawaii	1.9	2.4	1.4	2.0	2.7	-	-	-	-
Iowa	2.9	3.2	2.6	2.8	3.2	2.6	-	-	-
Kentucky	3.0	3.5	2.5	2.9	3.4	2.5	2.9	3.5	2.3
Louisiana	2.9	3.4	2.4	3.3	3.9	2.8	2.1	2.5	1.7
New Jersey	3.4	3.7	3.2	3.7	4.0	3.5	2.6	2.9	2.4
New Mexico	2.5	3.0	2.0	2.7	3.2	2.2	-	-	-
Seattle-Puget Sound	3.0	3.4	2.7	3.2	3.7	2.9	2.7	-	3.0
Utah	2.4	2.5	2.3	2.5	2.6	2.4	-	-	-
9 SEER Areas <sup>b</sup>	2.8	3.1	2.5	3.0	3.3	2.7	2.7	3.1	2.5
11 SEER Areas <sup>b</sup>	2.7	3.0	2.4	2.9	3.3	2.6	2.6	2.9	2.4
13 SEER Areas <sup>b</sup>	2.7	3.0	2.4	2.9	3.3	2.6	2.6	2.9	2.4
17 SEER Areas <sup>b</sup>	2.8	3.1	2.5	3.0	3.3	2.7	2.5	2.9	2.3

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

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.

The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Table IX-12  
HODGKIN LYMPHOMA

AGE-ADJUSTED SEER DEATH RATES<sup>a</sup>  
By Registry, Race and Sex

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>SEER DEATH RATES<sup>a</sup>, 2001-2005</u>									
REGISTRY									
Atlanta & Rural Georgia	0.5	0.5	0.4	0.5	0.5	0.4	0.4	-	-
Atlanta	0.4	0.5	0.4	0.4	0.5	0.4	0.4	-	-
Rural Georgia	-	-	-	-	-	-	-	-	-
California	0.5	0.6	0.4	0.5	0.6	0.4	0.4	0.5	0.4
Greater Bay Area	0.4	0.5	0.3	0.4	0.6	0.3	-	-	-
San Francisco-Oakland	0.4	0.5	0.3	0.4	0.5	0.3	-	-	-
San Jose-Monterey	0.4	0.6	0.3	0.5	0.7	-	-	-	-
Los Angeles	0.5	0.6	0.3	0.5	0.7	0.4	0.4	-	-
Greater California	0.5	0.6	0.4	0.5	0.6	0.4	-	-	-
Connecticut	0.4	0.6	0.2	0.4	0.6	0.2	-	-	-
Detroit	0.5	0.6	0.4	0.5	0.6	0.4	0.4	-	-
Hawaii	0.4	-	-	-	-	-	-	-	-
Iowa	0.4	0.5	0.4	0.4	0.5	0.4	-	-	-
Kentucky	0.6	0.8	0.4	0.6	0.8	0.4	-	-	-
Louisiana	0.5	0.6	0.5	0.6	0.7	0.5	0.4	-	-
New Jersey	0.5	0.6	0.5	0.5	0.6	0.5	0.4	-	-
New Mexico	0.4	0.4	0.4	0.4	-	0.4	-	-	-
Seattle-Puget Sound	0.4	0.5	0.4	0.5	0.5	0.4	-	-	-
Utah	0.3	0.5	-	0.3	0.5	-	-	-	-
9 SEER Areas <sup>b</sup>	0.4	0.5	0.3	0.4	0.5	0.3	0.5	0.7	0.3
11 SEER Areas <sup>b</sup>	0.4	0.5	0.3	0.4	0.6	0.3	0.4	0.6	0.3
13 SEER Areas <sup>b</sup>	0.4	0.5	0.3	0.4	0.6	0.3	0.4	0.6	0.3
17 SEER Areas <sup>b</sup>	0.5	0.6	0.4	0.5	0.6	0.4	0.4	0.5	0.4
Total U.S.	0.4	0.5	0.4	0.5	0.6	0.4	0.4	0.5	0.3

<sup>a</sup> US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention. Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.

The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

# SEER Incidence and US Death Rates<sup>a</sup> Hodgkin Lymphoma, Both Sexes

Joinpoint Analyses for Whites and Blacks from 1975-2005

and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2005

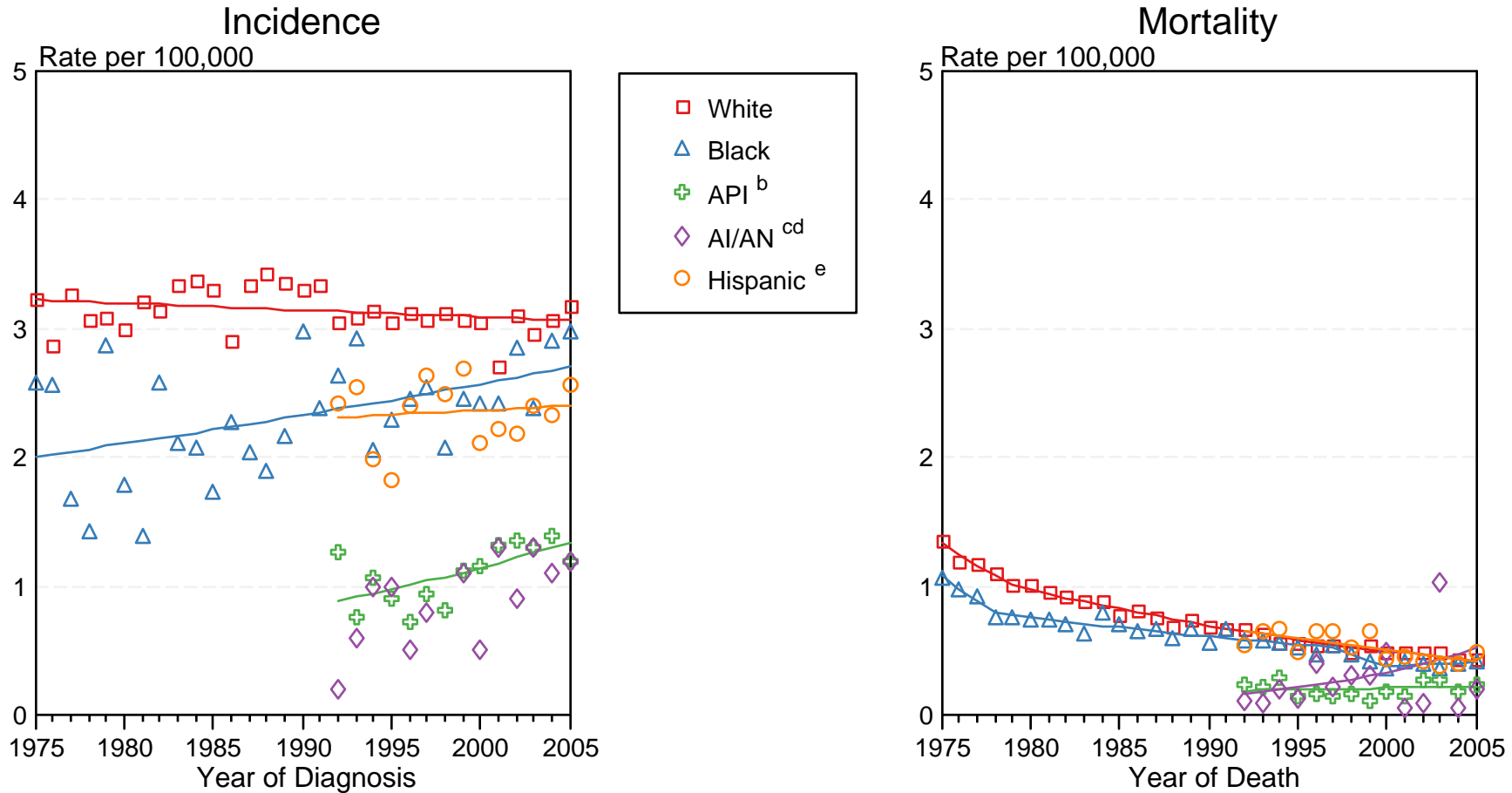


Figure IX-2

Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta).

Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Mortality data are from US Mortality Files, National Center for Health Statistics, CDC.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute.

<sup>b</sup> API = Asian/Pacific Islander.

<sup>c</sup> AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

<sup>d</sup> Joinpoint could not fit a regression line for American Indian/Alaska Native Incidence due to insufficient data.

<sup>e</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table X-11  
KAPOSI SARCOMA

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

RACE/ETHNICITY	Rate 2001-2005 <sup>b</sup>			Seer 13 Areas <sup>c</sup>			SEER 9 Areas <sup>d</sup>		
	Rate per 100,000 persons			Trend 1996-2005			Trend 1996-2005		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	0.7	1.3	0.1	-11.5*	-11.7*	-6.1*	-11.9*	-12.3*	-4.8*
White	0.6	1.1	0.1	-12.2*	-12.4*	-6.7*	-13.2*	-13.6*	-5.3*
White Hispanic <sup>e</sup>	1.0	1.9	0.2	-10.6*	-9.7	-	-	-	-
White Non-Hispanic <sup>e</sup>	0.5	1.0	0.1	-12.8*	-13.1*	-6.6*	-	-	-
Black	1.3	2.6	0.2	-9.4*	-9.5*	-	-8.6*	-8.8*	-
Asian/Pacific Islander	0.2	0.4	-	-	-	-	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	-	-	-	-	-	-	-	-	-
Hispanic <sup>e</sup>	1.0	1.9	0.2	-9.4*	-9.4*	-	-	-	-

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute.

- Statistic not shown. Rate based on less than 16 cases for the time interval. Trend based on less than 10 cases for at least one year within the time interval.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> Incidence data used in calculating the 2001-2005 rates are from the SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey).

<sup>c</sup> The SEER 13 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1992-2005.

<sup>d</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1975-2005.

<sup>e</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 are based on NHIA and exclude cases from the Alaska Native Registry and Kentucky.

<sup>f</sup> Incidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

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

Table X-12  
KAPOSI SARCOMA

AGE-ADJUSTED SEER INCIDENCE RATES<sup>a</sup>  
 By Registry, Race and Sex

	<u>All Races</u>			<u>Whites</u>			<u>Blacks</u>		
	<u>Total</u>	<u>Males</u>	<u>Females</u>	<u>Total</u>	<u>Males</u>	<u>Females</u>	<u>Total</u>	<u>Males</u>	<u>Females</u>
<u>SEER INCIDENCE RATES<sup>a</sup>, 2001-2005</u>									
<u>REGISTRY</u>									
Atlanta & Rural Georgia	1.4	2.8	-	1.0	1.9	-	2.2	4.7	-
Atlanta	1.4	2.8	-	1.0	1.9	-	2.3	4.8	-
Rural Georgia	-	-	-	-	-	-	-	-	-
California	0.8	1.6	0.1	0.8	1.5	0.1	1.5	2.9	-
Greater Bay Area	1.0	2.0	0.1	1.1	2.1	-	2.5	4.6	-
San Francisco-Oakland	1.4	2.7	0.2	1.5	2.9	-	2.7	5.0	-
San Jose-Monterey	0.4	0.7	-	0.4	0.7	-	-	-	-
Los Angeles	1.2	2.4	0.1	1.3	2.5	0.1	1.5	3.2	-
Greater California	0.5	1.0	0.1	0.5	0.9	0.1	1.1	1.9	-
Connecticut	0.4	0.7	0.2	0.4	0.6	0.2	1.1	-	-
Detroit	0.5	0.9	0.1	0.3	0.6	-	0.8	1.8	-
Hawaii	0.5	0.9	-	1.4	2.1	-	-	-	-
Iowa	0.2	0.3	-	0.1	0.3	-	-	-	-
Kentucky	0.2	0.4	-	0.2	0.4	-	-	-	-
Louisiana	0.5	1.0	0.2	0.5	0.8	0.2	0.6	1.3	-
New Jersey	0.6	1.1	0.1	0.5	0.9	0.1	1.3	2.5	-
New Mexico	0.5	0.9	-	0.5	0.9	-	-	-	-
Seattle-Puget Sound	0.5	0.9	-	0.5	0.9	-	-	-	-
Utah	0.2	0.4	-	0.2	-	-	-	-	-
9 SEER Areas <sup>b</sup>	0.7	1.3	0.1	0.6	1.1	0.1	1.7	3.4	0.2
11 SEER Areas <sup>b</sup>	0.8	1.5	0.1	0.7	1.4	0.1	1.7	3.3	0.2
13 SEER Areas <sup>b</sup>	0.8	1.5	0.1	0.7	1.4	0.1	1.6	3.3	0.2
17 SEER Areas <sup>b</sup>	0.7	1.3	0.1	0.6	1.1	0.1	1.3	2.6	0.2

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

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.

The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Table XI-10  
KIDNEY AND RENAL PELVIS CANCER (Invasive)

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

<u>SEER Incidence</u>	Rate 2001-2005 <sup>b</sup>			Seer 13 Areas <sup>c</sup> Trend 1996-2005 AAPC (%)			SEER 9 Areas <sup>d</sup> Trend 1996-2005 AAPC (%)		
	Rate per 100,000 persons			Total Males Females			Total Males Females		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
RACE/ETHNICITY									
All Races	13.2	18.3	9.2	1.9*	1.7*	2.0*	2.0*	1.7*	2.2*
White	13.7	18.8	9.5	2.0*	1.8*	2.1*	1.9*	1.6*	2.2*
White Hispanic <sup>e</sup>	13.4	17.9	9.8	2.4*	2.1*	2.5*	-	-	-
White Non-Hispanic <sup>e</sup>	13.6	18.8	9.3	2.0*	1.8*	2.0*	-	-	-
Black	14.8	21.3	10.1	2.0*	2.1*	1.7*	2.7*	2.8*	2.8*
Asian/Pacific Islander	6.6	9.1	4.6	1.9*	1.2*	3.2*	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	15.8	19.5	12.7	-0.5	-0.7	-	-	-	-
Hispanic <sup>e</sup>	13.0	17.4	9.6	2.6*	2.4*	2.6*	-	-	-
<u>U.S. Mortality<sup>g</sup></u>									
	Rate 2001-2005			Trend 1996-2005 <sup>h</sup>					
	Rate per 100,000 persons			AAPC (%)					
	Total	Males	Females	Total	Males	Females			
RACE/ETHNICITY									
All Races	4.2	6.0	2.7	-0.3*	-0.3*	-0.5*			
White	4.3	6.2	2.8	-0.2	-0.2*	-0.4*			
White Hispanic <sup>e</sup>	3.8	5.6	2.5	0.4*	0.3	0.4			
White Non-Hispanic <sup>e</sup>	4.3	6.2	2.8	-0.1	-0.1	-0.4*			
Black	4.1	6.1	2.7	-0.2	-0.2	-1.3*			
Asian/Pacific Islander	1.7	2.4	1.2	-1.0	-1.1	-0.5			
Amer Ind/Alaska Nat									
Total U.S.	4.8	6.8	3.1	-0.4	-0.1	-2.0			
CHSDA Counties	6.5	9.3	4.3	-0.1	0.0	-1.3			
Non-CHSDA Counties	2.6	3.7	1.7	-	-	-			
Hispanic <sup>e</sup>	3.7	5.3	2.4	0.4*	0.3	0.5			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute.

Statistic not shown. Rate based on less than 16 cases for the time interval. Trend based on less than 10 cases for at least one year within the time interval.

Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

Incidence data used in calculating the 2001-2005 rates are from the SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey).

The SEER 13 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1992-2005.

The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1975-2005.

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 are based on NHIA and exclude cases from the Alaska Native Registry and Kentucky. The 2001-2005 Hispanic and Non-Hispanic death rates exclude deaths from Minnesota, New Hampshire and North Dakota. The 1996-2005 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.

Incidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

US Mortality Files, National Center for Health Statistics, CDC.

The 1996-2005 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2005.

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

Table XI-11  
KIDNEY AND RENAL PELVIS CANCER (Invasive)

AGE-ADJUSTED SEER INCIDENCE RATES<sup>a</sup>  
By Registry, Race and Sex

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>SEER INCIDENCE RATES<sup>a</sup>, 2001-2005</u>									
REGISTRY									
Atlanta & Rural Georgia	11.8	16.9	7.8	11.9	17.0	7.7	12.4	18.4	8.4
Atlanta	11.8	17.0	7.9	11.8	16.9	7.7	12.8	19.3	8.6
Rural Georgia	11.0	16.0	7.0	12.8	19.2	7.3	7.2	-	-
California	11.9	16.6	8.0	12.6	17.6	8.5	14.4	20.6	9.6
Greater Bay Area	10.9	14.8	7.6	11.7	15.9	8.1	15.5	21.4	10.8
San Francisco-Oakland	10.9	14.9	7.7	11.6	16.0	7.9	15.7	21.4	11.2
San Jose-Monterey	10.8	14.7	7.5	11.8	15.7	8.4	13.6	20.3	-
Los Angeles	11.3	15.9	7.7	12.2	17.2	8.2	13.3	19.4	9.0
Greater California	12.5	17.6	8.3	13.0	18.2	8.7	15.0	21.6	9.5
Connecticut	14.2	19.3	10.1	14.2	19.2	10.3	13.8	21.2	8.3
Detroit	15.1	20.5	10.8	14.7	19.7	10.6	17.3	24.9	12.1
Hawaii	10.5	14.9	6.7	12.3	16.9	7.8	-	-	-
Iowa	14.9	20.1	10.6	14.7	19.9	10.5	16.0	25.7	-
Kentucky	15.7	21.5	11.2	15.6	21.4	11.1	18.6	25.4	13.1
Louisiana	16.9	23.0	12.1	17.5	23.4	12.6	15.7	22.4	11.1
New Jersey	14.7	20.3	10.3	15.2	20.9	10.6	13.5	19.1	9.5
New Mexico	12.2	16.5	8.5	12.0	16.4	8.2	9.9	-	-
Seattle-Puget Sound	13.9	19.3	9.4	14.2	19.5	9.6	18.1	26.2	10.1
Utah	10.5	14.0	7.6	10.7	14.1	7.7	-	-	-
9 SEER Areas <sup>b</sup>	13.1	17.9	9.1	13.3	18.1	9.4	15.3	22.2	10.2
11 SEER Areas <sup>b</sup>	12.5	17.2	8.7	13.0	17.8	9.1	14.7	21.5	9.9
13 SEER Areas <sup>b</sup>	12.5	17.3	8.7	13.0	17.8	9.1	14.6	21.3	9.8
17 SEER Areas <sup>b</sup>	13.2	18.3	9.2	13.7	18.8	9.5	14.8	21.3	10.1

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

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.

The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Table XI-12  
 KIDNEY AND RENAL PELVIS CANCER (Invasive)

AGE-ADJUSTED SEER DEATH RATES<sup>a</sup>  
 By Registry, Race and Sex

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>SEER DEATH RATES<sup>a</sup>, 2001-2005</u>									
REGISTRY									
Atlanta & Rural Georgia	3.8	5.7	2.5	3.9	5.7	2.5	3.9	6.5	2.3
Atlanta	3.8	5.7	2.5	3.9	5.6	2.5	4.1	6.9	2.4
Rural Georgia	3.6	-	-	4.1	-	-	-	-	-
California	3.7	5.3	2.5	4.0	5.7	2.6	4.1	6.1	2.6
Greater Bay Area	3.1	4.4	2.2	3.6	5.0	2.5	3.9	5.0	3.0
San Francisco-Oakland	3.2	4.4	2.2	3.6	5.1	2.4	4.0	5.2	3.0
San Jose-Monterey	3.2	4.3	2.3	3.6	4.8	2.6	-	-	-
Los Angeles	3.6	5.3	2.3	3.9	5.7	2.5	4.3	7.0	2.5
Greater California	4.0	5.7	2.6	4.1	5.9	2.7	4.0	5.8	2.6
Connecticut	3.7	5.5	2.4	3.7	5.5	2.4	4.1	5.1	3.4
Detroit	4.3	6.4	2.8	4.4	6.4	2.9	4.0	6.0	2.6
Hawaii	2.4	3.3	1.7	2.8	4.3	-	-	-	-
Iowa	4.9	7.3	3.1	4.9	7.4	3.1	-	-	-
Kentucky	4.8	7.0	3.1	4.8	7.1	3.1	4.1	5.2	3.3
Louisiana	5.4	7.6	3.6	5.5	7.7	3.8	5.0	7.4	3.3
New Jersey	4.0	5.8	2.6	4.2	6.0	2.8	3.5	5.6	2.1
New Mexico	4.5	6.4	2.9	4.3	6.2	2.8	-	-	-
Seattle-Puget Sound	4.1	6.0	2.5	4.2	6.1	2.7	5.2	7.4	-
Utah	3.2	4.5	2.1	3.2	4.6	2.1	-	-	-
9 SEER Areas <sup>b</sup>	3.9	5.7	2.5	4.1	5.9	2.6	4.0	6.0	2.7
11 SEER Areas <sup>b</sup>	3.8	5.5	2.5	4.0	5.8	2.6	4.1	6.2	2.6
13 SEER Areas <sup>b</sup>	3.8	5.5	2.5	4.0	5.8	2.6	4.1	6.2	2.6
17 SEER Areas <sup>b</sup>	4.0	5.8	2.6	4.2	6.0	2.8	4.1	6.2	2.7
Total U.S.	4.2	6.0	2.7	4.3	6.2	2.8	4.1	6.1	2.7

<sup>a</sup> US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention. Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.

The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

- Statistic not shown. Rate based on less than 16 cases for the time interval.



# SEER Incidence and US Death Rates<sup>a</sup> Kidney and Renal Pelvis Cancer, Both Sexes

## Joinpoint Analyses for Whites and Blacks from 1975-2005 and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2005

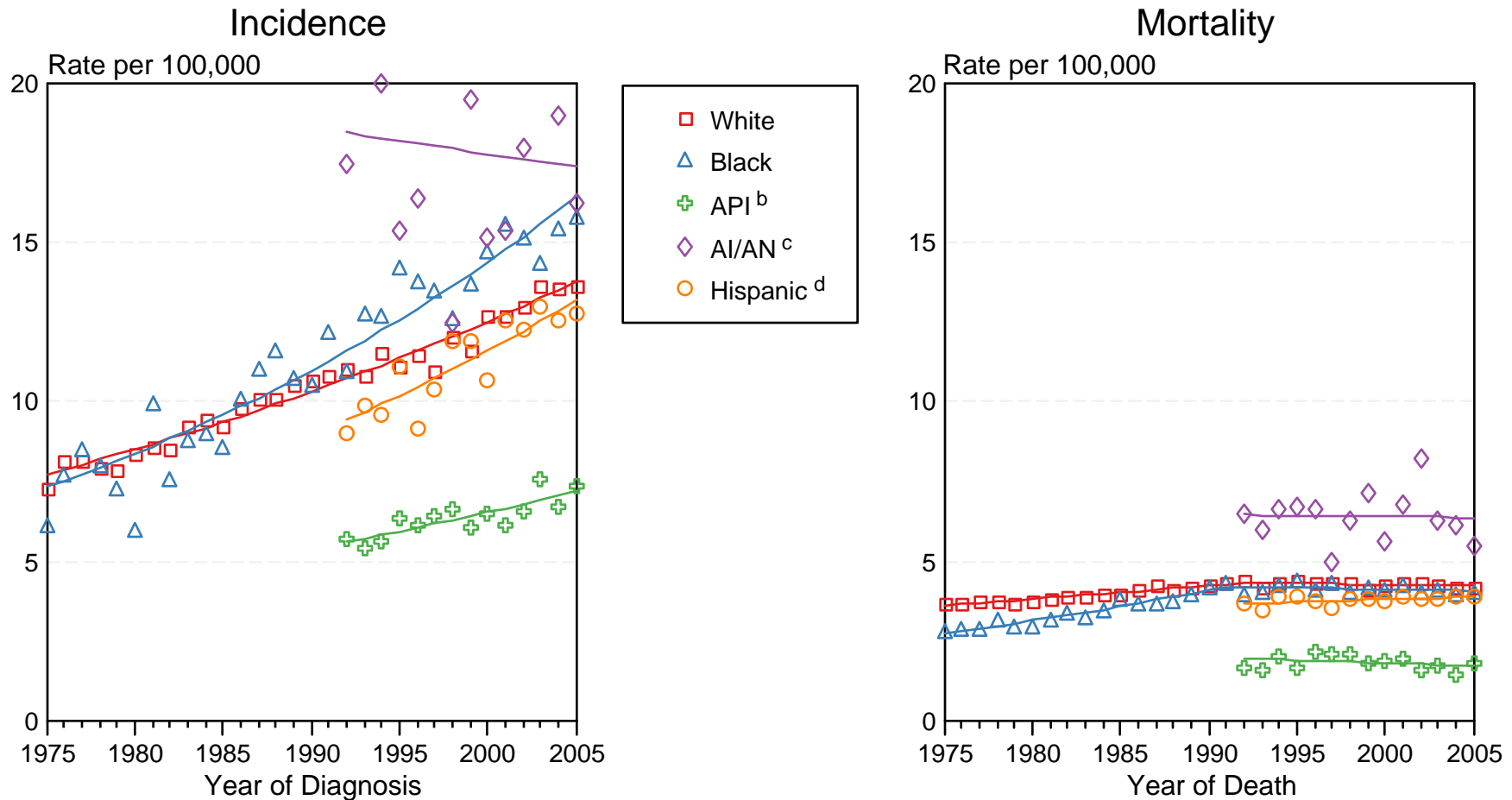


Figure XI-2

Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta). Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Mortality data are from US Mortality Files, National Center for Health Statistics, CDC.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute.

<sup>b</sup> API = Asian/Pacific Islander.

<sup>c</sup> AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

<sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table XII-10  
LARYNX CANCER (Invasive)

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

SEER Incidence	Rate 2001-2005 <sup>b</sup>			Seer 13 Areas <sup>c</sup> Trend 1996-2005 AAPC (%)			SEER 9 Areas <sup>d</sup> Trend 1996-2005 AAPC (%)		
	Rate per 100,000 persons			Total	Males	Females	Total	Males	Females
	Total	Males	Females	Total	Males	Females	Total	Males	Females
RACE/ETHNICITY									
All Races	3.6	6.4	1.3	-3.1*	-3.2*	-2.9*	-2.6*	-2.8*	-2.5*
White	3.6	6.3	1.4	-2.8*	-3.1*	-2.5*	-2.6*	-2.9*	-2.3*
White Hispanic <sup>e</sup>	2.7	5.3	0.7	-2.3*	-2.4*	-	-	-	-
White Non-Hispanic <sup>e</sup>	3.6	6.2	1.4	-2.8*	-3.1*	-2.3*	-	-	-
Black	5.8	10.9	2.0	-3.6*	-3.6*	-3.6*	-2.9*	-2.8*	-2.8*
Asian/Pacific Islander	1.4	2.8	0.3	-3.1*	-2.8*	-	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	1.8	2.8	-	-	-	-	-	-	-
Hispanic <sup>e</sup>	2.6	5.1	0.6	-2.3*	-2.5*	-	-	-	-
U.S. Mortality <sup>g</sup>									
	Rate 2001-2005			Trend 1996-2005 <sup>h</sup>					
	Rate per 100,000 persons			AAPC (%)					
	Total	Males	Females	Total	Males	Females			
RACE/ETHNICITY									
All Races	1.3	2.3	0.5	-2.1*	-2.4*	-2.0*			
White	1.2	2.1	0.5	-1.9*	-2.2*	-1.6*			
White Hispanic <sup>e</sup>	1.0	2.0	0.2	-2.8*	-3.1*	-			
White Non-Hispanic <sup>e</sup>	1.2	2.2	0.5	-1.6*	-2.0*	-1.3*			
Black	2.4	4.8	0.8	-2.9*	-2.8*	-3.0*			
Asian/Pacific Islander	0.4	0.8	0.1	-3.7*	-2.9	-			
Amer Ind/Alaska Nat									
Total U.S.	1.0	1.7	0.4	-	-	-			
CHSDA Counties	1.2	2.1	-	-	-	-			
Non-CHSDA Counties	0.7	1.1	-	-	-	-			
Hispanic <sup>e</sup>	0.9	1.9	0.2	-2.8*	-3.0*	-			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute.

Statistic not shown. Rate based on less than 16 cases for the time interval. Trend based on less than 10 cases for at least one year within the time interval.

Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

Incidence data used in calculating the 2001-2005 rates are from the SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey).

The SEER 13 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1992-2005.

The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1975-2005.

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 are based on NHIA and exclude cases from the Alaska Native Registry and Kentucky. The 2001-2005 Hispanic and Non-Hispanic death rates exclude deaths from Minnesota, New Hampshire and North Dakota. The 1996-2005 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.

Incidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

US Mortality Files, National Center for Health Statistics, CDC.

The 1996-2005 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2005.

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

Table XII-11  
LARYNX CANCER (Invasive)

AGE-ADJUSTED SEER INCIDENCE RATES<sup>a</sup>  
By Registry, Race and Sex

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>SEER INCIDENCE RATES<sup>a</sup>, 2001-2005</u>									
REGISTRY									
Atlanta & Rural Georgia	3.8	6.9	1.5	3.6	6.4	1.5	4.6	8.6	1.8
Atlanta	3.7	6.7	1.6	3.4	6.0	1.5	4.6	8.8	1.8
Rural Georgia	6.0	12.3	-	7.0	14.5	-	-	-	-
California	2.9	5.2	1.0	3.0	5.4	1.1	4.7	8.6	1.8
Greater Bay Area	2.6	4.7	0.9	2.7	4.8	1.0	5.2	9.3	2.3
San Francisco-Oakland	2.7	5.1	0.9	2.7	5.0	0.9	5.6	9.9	2.5
San Jose-Monterey	2.3	4.0	1.0	2.7	4.5	1.2	-	-	-
Los Angeles	2.8	5.3	0.9	2.9	5.4	0.9	4.6	8.9	1.6
Greater California	3.0	5.4	1.1	3.1	5.6	1.1	4.5	7.6	1.8
Connecticut	3.9	7.1	1.4	3.8	6.8	1.3	5.8	11.3	2.0
Detroit	4.7	8.5	1.7	4.2	7.5	1.5	7.0	13.1	2.6
Hawaii	2.7	5.2	0.6	4.9	8.7	-	-	-	-
Iowa	4.2	7.3	1.6	4.1	7.3	1.6	-	-	-
Kentucky	5.8	9.9	2.5	5.7	9.7	2.5	7.8	14.6	2.9
Louisiana	5.8	10.3	2.2	5.2	8.9	2.1	7.7	15.3	2.3
New Jersey	4.0	7.3	1.4	3.9	7.1	1.4	5.4	10.7	1.7
New Mexico	3.0	5.0	1.2	3.1	5.3	1.3	-	-	-
Seattle-Puget Sound	3.1	5.4	1.3	3.3	5.5	1.4	4.6	9.1	-
Utah	1.8	3.1	0.7	1.8	3.2	0.7	-	-	-
9 SEER Areas <sup>b</sup>	3.5	6.2	1.3	3.4	6.0	1.3	5.8	10.8	2.1
11 SEER Areas <sup>b</sup>	3.3	5.9	1.2	3.3	5.8	1.2	5.4	10.2	2.0
13 SEER Areas <sup>b</sup>	3.3	5.9	1.2	3.3	5.8	1.2	5.4	10.2	2.0
17 SEER Areas <sup>b</sup>	3.6	6.4	1.3	3.6	6.3	1.4	5.8	10.9	2.0

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

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.

The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Table XII-12  
LARYNX CANCER (Invasive)

AGE-ADJUSTED SEER DEATH RATES<sup>a</sup>  
By Registry, Race and Sex

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>SEER DEATH RATES<sup>a</sup>, 2001-2005</u>									
REGISTRY									
Atlanta & Rural Georgia	1.3	2.3	0.6	0.9	1.6	0.4	2.4	4.8	0.9
Atlanta	1.2	2.2	0.5	0.9	1.5	0.4	2.3	4.6	-
Rural Georgia	2.5	-	-	-	-	-	-	-	-
California	1.0	1.9	0.4	1.0	1.9	0.4	2.3	4.5	0.8
Greater Bay Area	0.8	1.6	0.3	0.8	1.5	0.3	2.6	4.9	-
San Francisco-Oakland	0.9	1.8	0.3	0.9	1.7	0.3	2.8	5.4	-
San Jose-Monterey	0.6	1.1	-	0.7	1.3	-	-	-	-
Los Angeles	1.2	2.3	0.4	1.2	2.3	0.3	2.3	4.5	0.9
Greater California	1.0	1.8	0.4	1.0	1.8	0.4	2.3	4.2	-
Connecticut	1.2	2.2	0.4	1.2	2.2	0.4	1.7	3.3	-
Detroit	1.5	2.8	0.6	1.3	2.2	0.6	2.6	5.2	0.8
Hawaii	0.8	1.5	-	1.4	2.7	-	-	-	-
Iowa	1.1	2.1	0.4	1.1	2.1	0.4	-	-	-
Kentucky	1.6	3.0	0.6	1.6	2.9	0.5	2.5	4.4	-
Louisiana	1.8	3.4	0.6	1.5	2.6	0.6	3.0	6.2	0.8
New Jersey	1.3	2.5	0.5	1.2	2.2	0.5	2.9	5.9	0.9
New Mexico	1.2	2.0	0.5	1.2	2.0	0.5	-	-	-
Seattle-Puget Sound	1.1	1.8	0.5	1.1	1.8	0.5	-	-	-
Utah	0.5	0.8	-	0.5	0.8	-	-	-	-
9 SEER Areas <sup>b</sup>	1.1	2.0	0.4	1.1	1.9	0.4	2.3	4.6	0.7
11 SEER Areas <sup>b</sup>	1.1	2.0	0.4	1.1	1.9	0.4	2.3	4.6	0.8
13 SEER Areas <sup>b</sup>	1.1	2.0	0.4	1.1	1.9	0.4	2.3	4.6	0.8
17 SEER Areas <sup>b</sup>	1.2	2.2	0.4	1.1	2.0	0.4	2.5	5.0	0.8
Total U.S.	1.3	2.3	0.5	1.2	2.1	0.5	2.4	4.8	0.8

<sup>a</sup> US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention. Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.

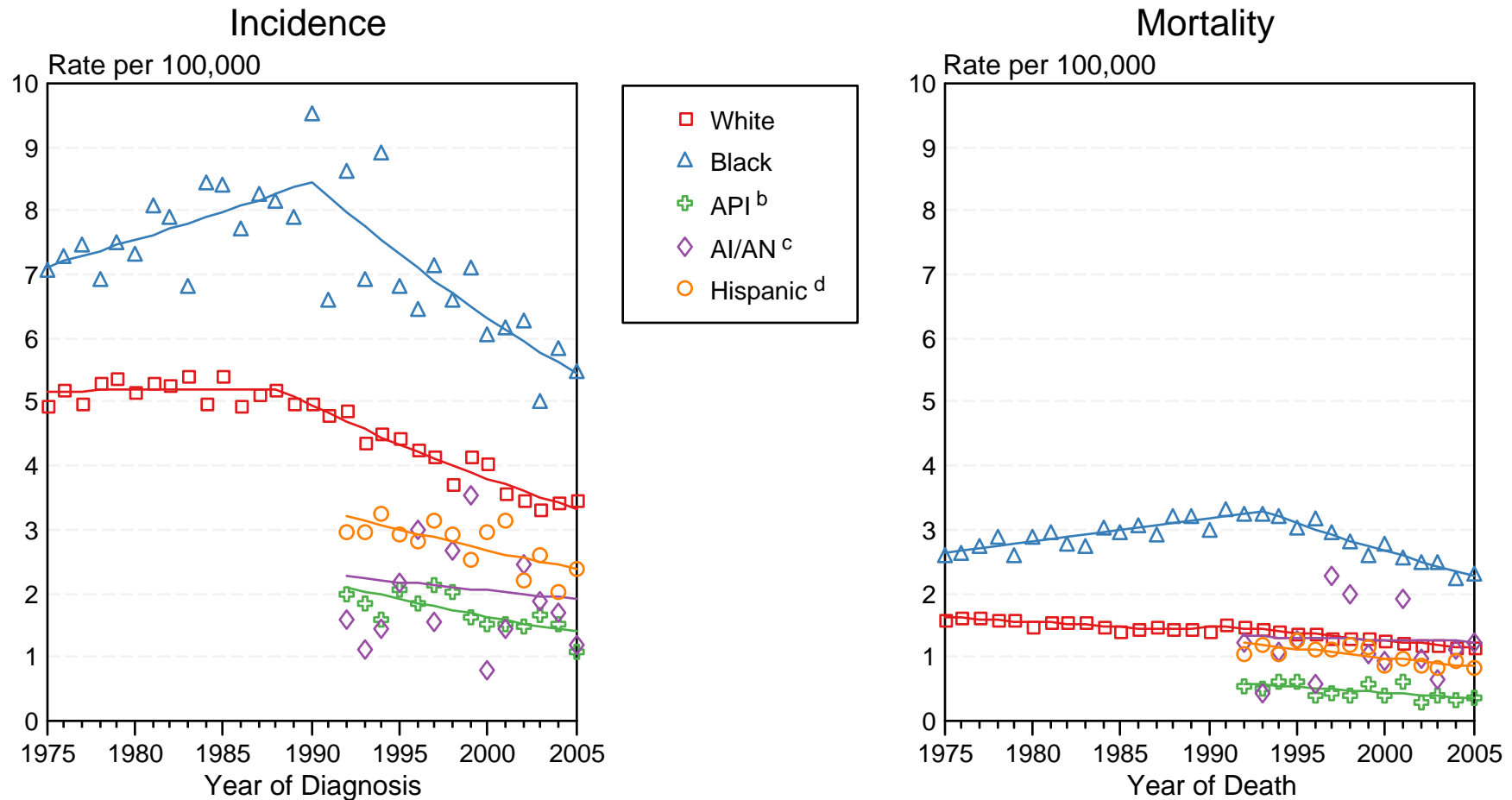
The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

# SEER Incidence and US Death Rates<sup>a</sup> Larynx Cancer, Both Sexes

Joinpoint Analyses for Whites and Blacks from 1975-2005  
and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2005



Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta). Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Mortality data are from US Mortality Files, National Center for Health Statistics, CDC.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute.

<sup>b</sup> API = Asian/Pacific Islander.

<sup>c</sup> AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

<sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table XIII-18

## LEUKEMIA

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

SEER Incidence	Rate 2001-2005 <sup>b</sup>			Seer 13 Areas <sup>c</sup> Trend 1996-2005 AAPC (%)			SEER 9 Areas <sup>d</sup> Trend 1996-2005 AAPC (%)		
	Rate per 100,000 persons			Total	Males	Females	Total	Males	Females
	Total	Males	Females	Total	Males	Females	Total	Males	Females
RACE/ETHNICITY									
All Races	12.3	16.0	9.5	-0.6*	-0.7*	-0.5*	-0.8*	-1.0*	0.0
White	12.9	16.7	9.9	-0.5*	-0.7*	-0.4	-0.8*	-1.0	0.1
White Hispanic <sup>e</sup>	9.9	12.0	8.2	-0.5	-0.3	-0.7	-	-	-
White Non-Hispanic <sup>e</sup>	13.1	17.2	10.0	-0.4	-0.7*	-0.2	-	-	-
Black	10.1	13.0	8.0	-0.4	-0.6	-0.2	-0.5*	-0.6*	-0.3
Asian/Pacific Islander	7.3	9.1	5.9	-1.0*	-0.6	-1.2*	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	7.5	7.9	6.9	2.6	-	-	-	-	-
Hispanic <sup>e</sup>	9.6	11.7	8.0	-0.3	-0.2	-0.4	-	-	-
U.S. Mortality <sup>g</sup>									
	Rate 2001-2005			Trend 1996-2005 <sup>h</sup>					
	Rate per 100,000 persons			AAPC (%)					
	Total	Males	Females	Total	Males	Females			
RACE/ETHNICITY									
All Races	7.4	9.9	5.6	-0.9*	-0.8*	-1.2*			
White	7.6	10.2	5.7	-0.6*	-0.7*	-1.1*			
White Hispanic <sup>e</sup>	5.2	6.6	4.2	-1.2*	-0.4	-1.1*			
White Non-Hispanic <sup>e</sup>	7.7	10.4	5.8	-0.8*	-0.7*	-1.1*			
Black	6.5	8.5	5.2	-1.1*	-1.3*	-1.0*			
Asian/Pacific Islander	3.9	5.1	3.0	-1.6*	-1.2*	-2.0*			
Amer Ind/Alaska Nat									
Total U.S.	3.9	4.5	3.3	-1.3	-2.5	-0.7			
CHSDA Counties	4.9	5.7	4.1	0.0	-1.1	-			
Non-CHSDA Counties	2.6	2.9	2.3	-2.9	-	-			
Hispanic <sup>e</sup>	5.0	6.3	4.0	-1.2*	-0.5	-1.0*			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute.

Statistic not shown. Rate based on less than 16 cases for the time interval. Trend based on less than 10 cases for at least one year within the time interval.

Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

Incidence data used in calculating the 2001-2005 rates are from the SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey).

The SEER 13 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1992-2005.

The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1975-2005.

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 are based on NHIA and exclude cases from the Alaska Native Registry and Kentucky. The 2001-2005 Hispanic and Non-Hispanic death rates exclude deaths from Minnesota, New Hampshire and North Dakota. The 1996-2005 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.

Incidence data for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

US Mortality Files, National Center for Health Statistics, CDC.

The 1996-2005 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2005.

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

Table XIII-19

LEUKEMIAAGE-ADJUSTED SEER INCIDENCE RATES<sup>a</sup>

By Registry, Race and Sex

	<u>All Races</u>			<u>Whites</u>			<u>Blacks</u>		
	<u>Total</u>	<u>Males</u>	<u>Females</u>	<u>Total</u>	<u>Males</u>	<u>Females</u>	<u>Total</u>	<u>Males</u>	<u>Females</u>
<u>SEER INCIDENCE RATES<sup>a</sup>, 2001-2005</u>									
<u>REGISTRY</u>									
Atlanta & Rural Georgia	11.6	16.1	8.6	12.8	17.6	9.4	9.7	13.7	7.3
Atlanta	11.7	16.3	8.6	12.9	17.7	9.4	9.8	14.0	7.2
Rural Georgia	10.3	13.3	8.7	11.4	16.1	8.2	8.9	-	-
California	11.5	14.8	8.9	12.0	15.4	9.3	10.0	12.9	7.7
Greater Bay Area	10.7	14.0	8.2	11.6	15.1	8.9	9.0	10.9	7.7
San Francisco-Oakland	10.6	13.5	8.3	11.6	14.7	9.1	9.3	11.5	8.0
San Jose-Monterey	11.1	14.8	8.1	11.7	15.8	8.6	6.1	-	-
Los Angeles	11.4	14.6	8.9	12.2	15.6	9.5	10.2	13.3	7.8
Greater California	11.8	15.2	9.2	12.0	15.5	9.4	10.4	13.8	7.6
Connecticut	11.6	15.0	9.1	12.0	15.4	9.4	8.2	10.0	7.1
Detroit	14.2	18.1	11.4	14.9	19.1	11.9	11.4	13.9	9.5
Hawaii	10.2	12.7	8.1	12.9	17.4	8.7	-	-	-
Iowa	14.8	19.7	11.2	14.7	19.6	11.0	12.5	-	-
Kentucky	12.9	16.7	10.1	12.8	16.7	10.0	10.7	13.3	8.8
Louisiana	12.2	16.2	9.3	13.0	17.4	9.8	10.2	13.4	7.9
New Jersey	13.0	17.2	9.9	13.4	17.7	10.0	9.8	13.4	7.5
New Mexico	13.4	17.4	10.0	14.0	18.4	10.2	10.5	-	-
Seattle-Puget Sound	14.2	18.5	10.8	14.7	19.1	11.2	10.2	13.2	7.9
Utah	12.6	16.2	9.7	12.7	16.4	9.8	-	-	-
9 SEER Areas <sup>b</sup>	12.7	16.5	9.8	13.5	17.6	10.3	10.1	12.6	8.4
11 SEER Areas <sup>b</sup>	12.3	16.0	9.5	13.1	17.1	10.1	10.0	12.7	8.2
13 SEER Areas <sup>b</sup>	12.3	16.0	9.5	13.1	17.1	10.1	10.0	12.6	8.2
17 SEER Areas <sup>b</sup>	12.3	16.0	9.5	12.9	16.7	9.9	10.1	13.0	8.0

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

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.

The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Table XIII-20

LEUKEMIAAGE-ADJUSTED SEER DEATH RATES<sup>a</sup>

By Registry, Race and Sex

	<u>All Races</u>			<u>Whites</u>			<u>Blacks</u>		
	<u>Total</u>	<u>Males</u>	<u>Females</u>	<u>Total</u>	<u>Males</u>	<u>Females</u>	<u>Total</u>	<u>Males</u>	<u>Females</u>
<u>SEER DEATH RATES<sup>a</sup>, 2001-2005</u>									
REGISTRY									
Atlanta & Rural Georgia	6.8	9.2	5.3	7.2	9.6	5.5	6.4	8.8	5.1
Atlanta	6.9	9.2	5.4	7.2	9.6	5.5	6.7	9.1	5.3
Rural Georgia	6.5	9.2	4.7	7.7	10.8	-	-	-	-
California	6.9	9.1	5.3	7.3	9.6	5.6	6.9	9.2	5.3
Greater Bay Area	6.3	8.4	4.8	7.0	9.3	5.2	6.4	8.2	5.3
San Francisco-Oakland	6.2	8.3	4.7	6.9	9.1	5.3	6.2	8.1	5.1
San Jose-Monterey	6.5	8.7	4.9	7.1	9.6	5.2	7.8	-	-
Los Angeles	6.5	8.5	5.1	7.0	9.1	5.4	7.1	9.2	5.6
Greater California	7.2	9.6	5.5	7.5	9.9	5.7	7.1	9.8	4.9
Connecticut	7.1	9.4	5.6	7.2	9.6	5.7	5.8	7.2	5.3
Detroit	7.9	10.6	6.1	8.2	11.2	6.2	6.8	8.4	5.7
Hawaii	5.5	7.1	4.1	7.5	9.3	6.0	-	-	-
Iowa	8.4	11.6	6.1	8.4	11.6	6.1	10.8	-	-
Kentucky	7.8	10.5	5.9	7.8	10.6	5.9	6.7	9.8	5.0
Louisiana	7.5	10.1	5.7	7.5	10.0	5.7	7.5	10.5	5.5
New Jersey	7.3	9.6	5.7	7.6	10.0	5.9	6.0	8.2	4.5
New Mexico	6.5	8.6	4.9	6.7	8.9	5.0	-	-	-
Seattle-Puget Sound	7.7	10.4	5.7	8.0	10.7	6.0	6.5	9.4	-
Utah	7.3	9.9	5.3	7.3	9.9	5.3	-	-	-
9 SEER Areas <sup>b</sup>	7.2	9.7	5.5	7.6	10.2	5.7	6.5	8.3	5.3
11 SEER Areas <sup>b</sup>	7.0	9.4	5.3	7.5	10.0	5.7	6.7	8.5	5.4
13 SEER Areas <sup>b</sup>	7.0	9.3	5.3	7.4	10.0	5.6	6.6	8.5	5.4
17 SEER Areas <sup>b</sup>	7.2	9.6	5.5	7.5	10.0	5.7	6.7	9.0	5.2
Total U.S.	7.4	9.9	5.6	7.6	10.2	5.7	6.5	8.5	5.2

<sup>a</sup> US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention. Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.

The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

- Statistic not shown. Rate based on less than 16 cases for the time interval.



# SEER Incidence and US Death Rates<sup>a</sup> Leukemia, Both Sexes

Joinpoint Analyses for Whites and Blacks from 1975-2005  
and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2005

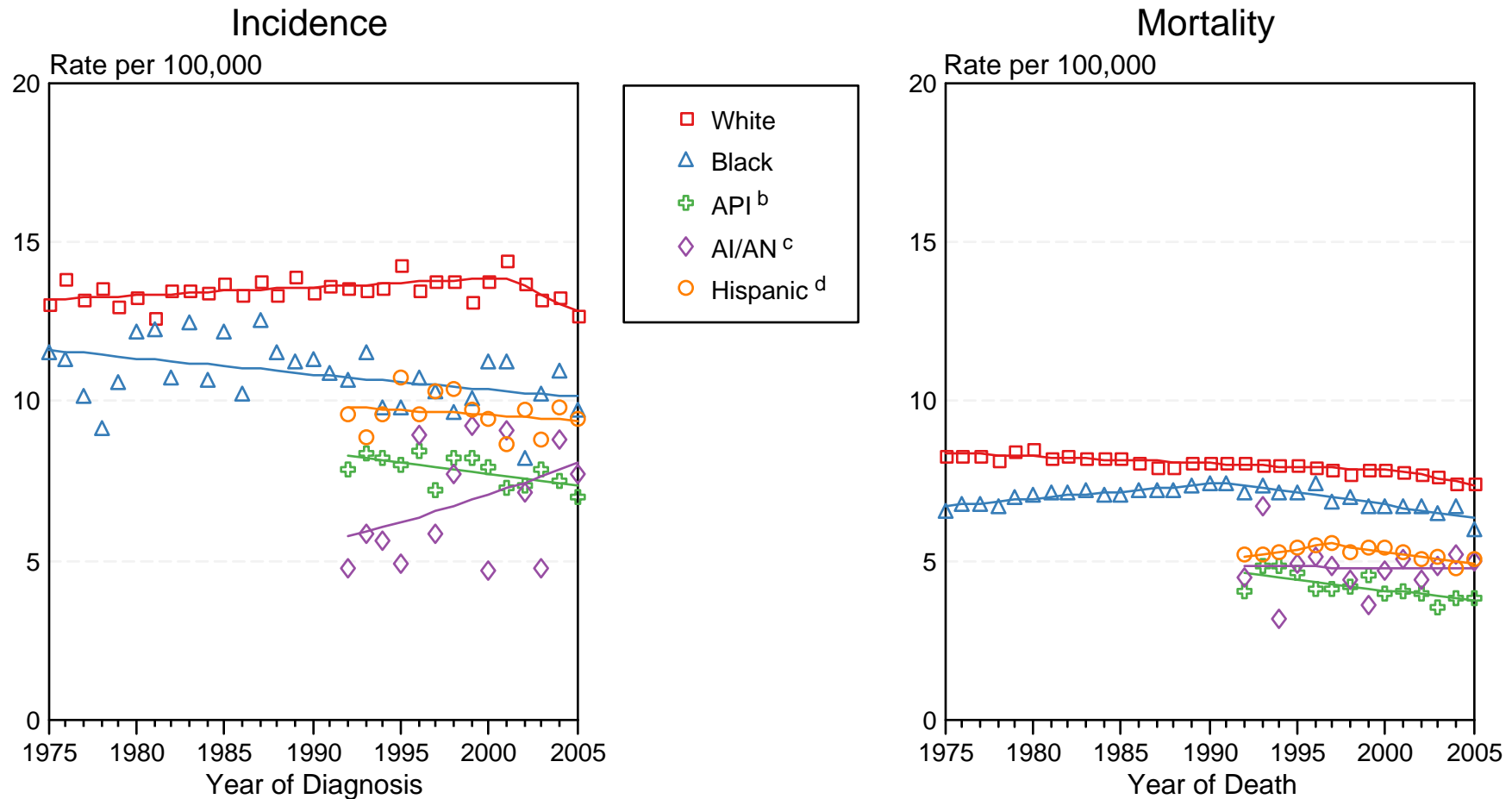


Figure XIII-3

Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta). Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Mortality data are from US Mortality Files, National Center for Health Statistics, CDC.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute.

<sup>b</sup> API = Asian/Pacific Islander.

<sup>c</sup> AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

<sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table XIV-10  
LIVER AND INTRAHEPATIC BILE DUCT CANCER (Invasive)

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

SEER Incidence	Rate 2001-2005 <sup>b</sup>			Seer 13 Areas <sup>c</sup> Trend 1996-2005 AAPC (%)			SEER 9 Areas <sup>d</sup> Trend 1996-2005 AAPC (%)		
	Rate per 100,000 persons			Total Males Females			Total Males Females		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
RACE/ETHNICITY									
All Races	6.4	9.9	3.5	2.5*	3.1*	1.7*	2.4*	2.4*	1.5*
White	5.4	8.2	2.9	2.4*	3.1*	1.2*	2.2*	2.2*	0.8
White Hispanic <sup>e</sup>	10.3	15.5	5.9	2.5*	2.3*	2.3*	-	-	-
White Non-Hispanic <sup>e</sup>	4.7	7.3	2.6	2.0*	2.7*	0.6	-	-	-
Black	8.0	13.2	4.0	4.0*	4.4*	2.8*	3.0*	3.2*	2.5*
Asian/Pacific Islander	14.3	21.7	8.3	0.7*	0.7	0.7	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	9.9	14.4	6.3	1.3	-	-	-	-	-
Hispanic <sup>e</sup>	10.0	15.0	5.8	2.7*	2.5*	2.5*	-	-	-
U.S. Mortality <sup>g</sup>									
	Rate 2001-2005			Trend 1996-2005 <sup>h</sup>					
	Rate per 100,000 persons			AAPC (%)					
	Total	Males	Females	Total	Males	Females			
RACE/ETHNICITY									
All Races	5.0	7.3	3.1	1.8*	2.2*	1.1*			
White	4.6	6.7	2.9	1.8*	2.2*	0.9			
White Hispanic <sup>e</sup>	8.1	11.5	5.3	1.9*	1.6*	1.8*			
White Non-Hispanic <sup>e</sup>	4.3	6.3	2.7	1.6*	2.1*	0.5			
Black	6.7	10.3	3.9	1.7*	2.0*	0.8*			
Asian/Pacific Islander	10.4	15.2	6.6	-0.6*	-0.8*	0.0			
Amer Ind/Alaska Nat									
Total U.S.	6.3	8.0	4.7	2.0*	0.9	2.9			
CHSDA Counties	8.5	10.6	6.6	2.2*	0.8	3.3*			
Non-CHSDA Counties	3.4	4.8	2.1	-	-	-			
Hispanic <sup>e</sup>	7.8	11.1	5.1	1.8*	1.6*	1.8*			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute.

- Statistic not shown. Rate based on less than 16 cases for the time interval. Trend based on less than 10 cases for at least one year within the time interval.

a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

b Incidence data used in calculating the 2001-2005 rates are from the SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey).

c The SEER 13 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1992-2005.

d The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1975-2005.

e 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 are based on NHIA and exclude cases from the Alaska Native Registry and Kentucky. The 2001-2005 Hispanic and Non-Hispanic death rates exclude deaths from Minnesota, New Hampshire and North Dakota. The 1996-2005 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.

f Incidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

g US Mortality Files, National Center for Health Statistics, CDC.

h The 1996-2005 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2005.

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

Table XIV-11  
LIVER AND INTRAHEPATIC BILE DUCT CANCER (Invasive)

AGE-ADJUSTED SEER INCIDENCE RATES<sup>a</sup>  
By Registry, Race and Sex

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>SEER INCIDENCE RATES<sup>a</sup>, 2001-2005</u>									
REGISTRY									
Atlanta & Rural Georgia	4.7	7.4	2.5	3.6	5.7	1.9	5.9	9.5	3.3
Atlanta	4.8	7.5	2.6	3.6	5.7	2.0	6.1	9.8	3.5
Rural Georgia	3.1	5.4	-	-	-	-	-	-	-
California	7.5	11.3	4.2	6.1	9.2	3.4	9.4	14.6	5.2
Greater Bay Area	8.4	13.0	4.5	6.0	9.2	3.1	11.1	16.9	6.2
San Francisco-Oakland	8.6	13.1	4.5	5.9	9.1	3.1	11.2	17.4	6.0
San Jose-Monterey	8.2	12.6	4.3	6.1	9.5	3.1	10.4	14.5	-
Los Angeles	8.3	12.3	5.1	6.7	9.8	4.2	8.9	14.5	4.8
Greater California	6.7	10.2	3.7	5.8	8.9	3.1	8.8	13.4	4.9
Connecticut	5.2	8.6	2.5	4.9	8.1	2.3	7.3	12.4	3.5
Detroit	6.1	9.5	3.4	5.2	7.9	3.0	8.8	15.0	4.2
Hawaii	9.6	14.1	5.6	6.0	10.0	2.2	-	-	-
Iowa	3.7	5.6	2.2	3.5	5.2	2.1	8.4	-	-
Kentucky	4.3	6.6	2.5	4.2	6.4	2.5	5.7	9.4	2.5
Louisiana	6.3	10.4	3.1	5.6	9.0	2.8	7.8	13.5	3.7
New Jersey	6.0	9.6	3.1	5.5	8.7	2.9	7.2	12.1	3.6
New Mexico	7.1	10.6	4.1	6.8	10.4	3.7	-	-	-
Seattle-Puget Sound	6.1	9.2	3.5	5.0	7.5	2.8	9.7	16.7	-
Utah	3.0	4.3	1.7	2.6	3.8	1.6	-	-	-
9 SEER Areas <sup>b</sup>	6.0	9.2	3.3	4.8	7.4	2.6	8.2	13.5	4.1
11 SEER Areas <sup>b</sup>	6.7	10.1	3.7	5.3	8.0	3.0	8.5	13.9	4.3
13 SEER Areas <sup>b</sup>	6.7	10.1	3.7	5.3	8.0	2.9	8.4	13.8	4.3
17 SEER Areas <sup>b</sup>	6.4	9.9	3.5	5.4	8.2	2.9	8.0	13.2	4.0

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

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.

The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Table XIV-12  
LIVER AND INTRAHEPATIC BILE DUCT CANCER (Invasive)

AGE-ADJUSTED SEER DEATH RATES<sup>a</sup>  
By Registry, Race and Sex

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>SEER DEATH RATES<sup>a</sup>, 2001-2005</u>									
REGISTRY									
Atlanta & Rural Georgia	4.3	6.4	2.7	3.6	5.5	2.3	4.6	6.8	3.0
Atlanta	4.4	6.5	2.7	3.6	5.5	2.3	4.7	7.0	3.0
Rural Georgia	3.0	-	-	-	-	-	-	-	-
California	6.2	8.9	4.0	5.3	7.5	3.4	8.0	11.8	4.9
Greater Bay Area	6.6	9.6	4.1	5.1	7.1	3.2	9.2	13.5	5.5
San Francisco-Oakland	6.8	9.9	4.1	5.0	7.2	3.1	9.4	14.1	5.5
San Jose-Monterey	6.3	9.1	4.0	5.1	7.1	3.3	7.5	-	-
Los Angeles	7.1	10.0	4.8	6.0	8.3	4.2	8.1	12.2	5.1
Greater California	5.6	8.0	3.5	5.1	7.3	3.2	7.1	10.2	4.3
Connecticut	4.5	6.9	2.7	4.4	6.7	2.7	5.1	8.8	-
Detroit	5.4	7.8	3.5	4.7	6.7	3.3	7.2	11.8	3.9
Hawaii	7.4	10.6	4.6	5.1	7.0	3.1	-	-	-
Iowa	3.5	5.1	2.3	3.4	4.8	2.3	-	-	-
Kentucky	4.8	6.9	3.3	4.7	6.6	3.2	6.2	10.0	3.4
Louisiana	6.7	10.0	4.1	6.1	8.8	3.9	8.2	13.5	4.4
New Jersey	4.9	7.4	3.0	4.6	6.8	2.9	6.3	10.5	3.4
New Mexico	6.2	8.6	4.0	6.0	8.5	3.8	-	-	-
Seattle-Puget Sound	5.4	7.7	3.4	4.6	6.6	2.9	6.8	11.1	-
Utah	3.3	4.4	2.3	3.0	4.0	2.1	-	-	-
9 SEER Areas <sup>b</sup>	5.2	7.5	3.3	4.4	6.3	2.8	6.6	10.4	3.7
11 SEER Areas <sup>b</sup>	5.7	8.2	3.6	4.8	6.8	3.1	7.0	10.9	4.1
13 SEER Areas <sup>b</sup>	5.7	8.1	3.7	4.8	6.7	3.1	6.9	10.8	4.0
17 SEER Areas <sup>b</sup>	5.6	8.1	3.5	4.9	7.0	3.2	7.0	11.1	4.0
Total U.S.	5.0	7.3	3.1	4.6	6.7	2.9	6.7	10.3	3.9

<sup>a</sup> US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention. Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.

The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

# SEER Incidence and US Death Rates<sup>a</sup> Liver and Intrahepatic Bile Duct Cancer, Both Sexes

Joinpoint Analyses for Whites and Blacks from 1975-2005

and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2005

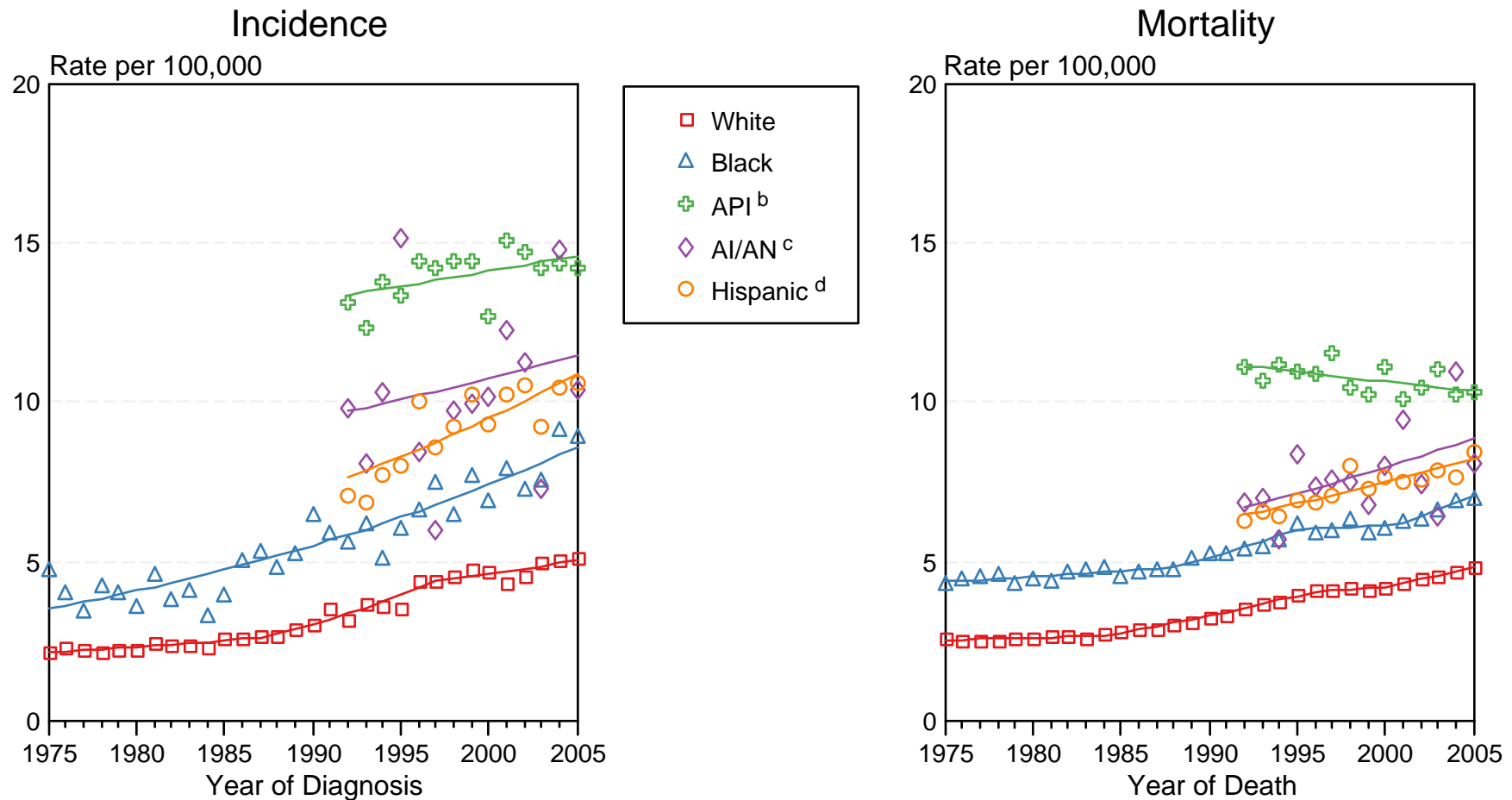


Figure XIV-2

Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta). Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Mortality data are from US Mortality Files, National Center for Health Statistics, CDC.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute.

<sup>b</sup> API = Asian/Pacific Islander.

<sup>c</sup> AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

<sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table XV-16  
LUNG AND BRONCHUS (Invasive)

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

SEER Incidence	Rate 2001-2005 <sup>b</sup>			Seer 13 Areas <sup>c</sup> Trend 1996-2005 AAPC (%)			SEER 9 Areas <sup>d</sup> Trend 1996-2005 AAPC (%)		
	Rate per 100,000 persons			Total	Males	Females	Total	Males	Females
	Total	Males	Females	Total	Males	Females	Total	Males	Females
RACE/ETHNICITY									
All Races	63.9	79.4	52.6	-1.2*	-2.1*	-0.4*	-0.8*	-1.9*	0.1
White	65.1	79.3	54.9	-1.1*	-2.0*	-0.5*	-0.7*	-1.8*	0.0
White Hispanic <sup>e</sup>	33.9	44.8	26.0	-1.8*	-2.3*	-1.2*	-	-	-
White Non-Hispanic <sup>e</sup>	66.6	79.5	57.3	-0.9*	-1.9*	-0.2	-	-	-
Black	76.0	107.6	54.6	-1.4*	-2.6*	0.6*	-1.0*	-3.5*	0.4
Asian/Pacific Islander	39.1	53.9	28.0	-0.7*	-1.2*	0.4	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	46.0	54.3	39.7	-0.3	-2.4*	2.6*	-	-	-
Hispanic <sup>e</sup>	33.3	44.2	25.4	-1.6*	-2.1*	-1.1*	-	-	-
U.S. Mortality <sup>g</sup>									
	Rate 2001-2005			Trend 1996-2005 <sup>h</sup>					
	Rate per 100,000 persons			AAPC (%)					
	Total	Males	Females	Total	Males	Females			
RACE/ETHNICITY									
All Races	54.1	72.0	41.0	-0.9*	-1.9*	0.1			
White	54.4	71.3	42.0	-0.7*	-1.8*	0.2			
White Hispanic <sup>e</sup>	24.0	36.1	15.1	-1.7*	-2.6*	-0.1			
White Non-Hispanic <sup>e</sup>	56.9	74.2	44.3	-0.6*	-1.6*	0.4			
Black	60.9	93.1	39.9	-1.7*	-2.8*	0.4*			
Asian/Pacific Islander	26.6	37.5	18.5	-1.3*	-1.7*	-0.5			
Amer Ind/Alaska Nat									
Total U.S.	34.8	42.5	28.8	-0.7	-2.3*	1.4*			
CHSDA Counties	40.9	50.2	33.8	0.1	-1.3*	1.8*			
Non-CHSDA Counties	27.0	33.0	22.3	-1.4	-3.6*	1.0			
Hispanic <sup>e</sup>	23.2	35.1	14.6	-1.7*	-2.6*	-0.1			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute.

Statistic not shown. Rate based on less than 16 cases for the time interval. Trend based on less than 10 cases for at least one year within the time interval.

Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

Incidence data used in calculating the 2001-2005 rates are from the SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey).

The SEER 13 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1992-2005.

The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1975-2005.

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 are based on NHIA and exclude cases from the Alaska Native Registry and Kentucky. The 2001-2005 Hispanic and Non-Hispanic death rates exclude deaths from Minnesota, New Hampshire and North Dakota. The 1996-2005 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.

Incidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

US Mortality Files, National Center for Health Statistics, CDC.

The 1996-2005 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2005.

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

Table XV-17  
LUNG AND BRONCHUS CANCER (Invasive)

AGE-ADJUSTED SEER INCIDENCE RATES<sup>a</sup>  
By Registry, Race and Sex

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>SEER INCIDENCE RATES<sup>a</sup>, 2001-2005</u>									
REGISTRY									
Atlanta & Rural Georgia	61.7	82.4	47.9	62.1	79.0	50.6	64.2	98.5	44.0
Atlanta	61.2	81.3	47.9	61.4	78.0	50.4	64.3	97.9	44.7
Rural Georgia	73.1	103.7	49.5	75.7	99.0	55.8	67.2	113.2	37.9
California	55.7	67.0	47.5	57.2	67.0	50.1	71.7	95.5	54.7
Greater Bay Area	52.6	62.2	45.8	53.7	60.4	49.3	76.7	96.5	62.6
San Francisco-Oakland	54.7	64.9	47.6	55.2	61.9	50.8	79.8	100.4	65.3
San Jose-Monterey	48.4	56.8	42.4	51.1	57.7	46.7	56.9	77.0	41.4
Los Angeles	48.9	61.3	39.9	48.2	58.2	40.9	71.2	98.5	52.6
Greater California	60.2	71.3	51.9	62.0	72.5	54.2	69.1	91.5	52.2
Connecticut	68.5	82.5	58.8	69.5	83.0	60.1	61.8	85.6	46.7
Detroit	81.1	101.9	66.7	79.8	97.7	67.7	90.3	125.6	66.6
Hawaii	51.9	67.8	38.9	62.2	73.8	51.7	29.5	-	-
Iowa	67.8	89.3	52.4	67.6	88.9	52.4	101.9	143.5	67.7
Kentucky	101.2	136.2	76.2	101.5	136.4	76.3	105.2	144.4	79.5
Louisiana	80.6	111.4	58.2	80.3	106.1	61.4	82.5	130.5	50.2
New Jersey	66.1	80.8	55.9	67.2	80.6	58.0	70.0	97.1	52.6
New Mexico	47.5	59.1	38.5	49.8	61.3	40.8	51.6	71.7	36.9
Seattle-Puget Sound	69.1	80.9	60.5	70.4	81.0	62.8	80.7	111.2	55.6
Utah	30.2	39.6	22.4	30.1	39.6	22.3	47.7	-	-
9 SEER Areas <sup>b</sup>	62.7	77.7	51.9	63.5	77.0	53.9	77.0	107.3	56.8
11 SEER Areas <sup>b</sup>	58.8	72.9	48.6	59.6	72.1	50.7	75.2	104.4	55.5
13 SEER Areas <sup>b</sup>	58.9	73.0	48.7	59.7	72.2	50.7	75.0	104.4	55.2
17 SEER Areas <sup>b</sup>	63.9	79.4	52.6	65.1	79.3	54.9	76.0	107.6	54.6

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

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.  
The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.

The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Table XV-18  
LUNG AND BRONCHUS CANCER (Invasive)

AGE-ADJUSTED SEER DEATH RATES<sup>a</sup>  
By Registry, Race and Sex

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>SEER DEATH RATES<sup>a</sup>, 2001-2005</u>									
REGISTRY									
Atlanta & Rural Georgia	48.6	68.5	35.6	48.6	65.6	37.2	51.0	82.3	32.7
Atlanta	48.1	67.1	35.7	48.0	64.5	37.2	50.6	80.2	33.3
Rural Georgia	59.8	93.7	34.7	60.7	87.6	39.1	58.5	109.3	27.4
California	44.1	54.8	36.3	45.6	55.2	38.5	58.7	81.6	42.7
Greater Bay Area	41.3	50.2	35.0	42.8	49.6	38.3	65.9	89.3	49.4
San Francisco-Oakland	43.3	52.9	36.4	44.5	51.4	39.8	68.1	91.3	52.0
San Jose-Monterey	37.4	44.9	32.1	39.9	46.6	35.5	52.4	84.9	27.5
Los Angeles	38.8	50.2	30.4	38.2	47.9	31.2	57.1	80.9	41.1
Greater California	47.7	58.6	39.7	49.3	59.8	41.6	56.0	78.1	39.9
Connecticut	49.0	62.0	40.2	49.7	62.3	41.1	45.8	67.0	33.3
Detroit	58.0	75.8	45.9	56.8	72.6	46.2	65.5	93.0	47.2
Hawaii	36.8	49.8	26.2	46.8	55.8	38.3	-	-	-
Iowa	52.7	72.6	38.4	52.5	72.4	38.4	81.9	111.0	58.4
Kentucky	79.0	111.5	55.9	79.2	111.7	56.1	82.3	118.7	58.5
Louisiana	67.0	95.9	46.3	65.3	89.4	47.8	73.1	119.4	42.4
New Jersey	50.3	64.8	40.4	50.9	64.7	41.6	57.0	82.2	41.1
New Mexico	38.0	48.8	29.7	39.8	50.6	31.5	43.4	67.9	26.4
Seattle-Puget Sound	52.7	63.4	45.0	54.3	64.3	47.1	59.8	84.6	39.2
Utah	24.4	33.7	16.9	24.4	33.7	16.8	38.0	-	-
9 SEER Areas <sup>b</sup>	47.3	61.0	37.6	48.2	60.9	39.2	59.0	84.9	41.9
11 SEER Areas <sup>b</sup>	44.9	57.7	35.6	45.7	57.5	37.3	58.4	83.8	41.5
13 SEER Areas <sup>b</sup>	45.0	57.9	35.7	45.8	57.6	37.3	58.4	84.1	41.3
17 SEER Areas <sup>b</sup>	49.7	64.3	39.1	50.7	64.3	40.8	61.4	90.6	42.0
Total U.S.	54.1	72.0	41.0	54.4	71.3	42.0	60.9	93.1	39.9

<sup>a</sup> US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention. Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.

The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

- Statistic not shown. Rate based on less than 16 cases for the time interval.



# SEER Incidence and US Death Rates<sup>a</sup> Lung and Bronchus Cancer, Both Sexes

Joinpoint Analyses for Whites and Blacks from 1975-2005  
and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2005

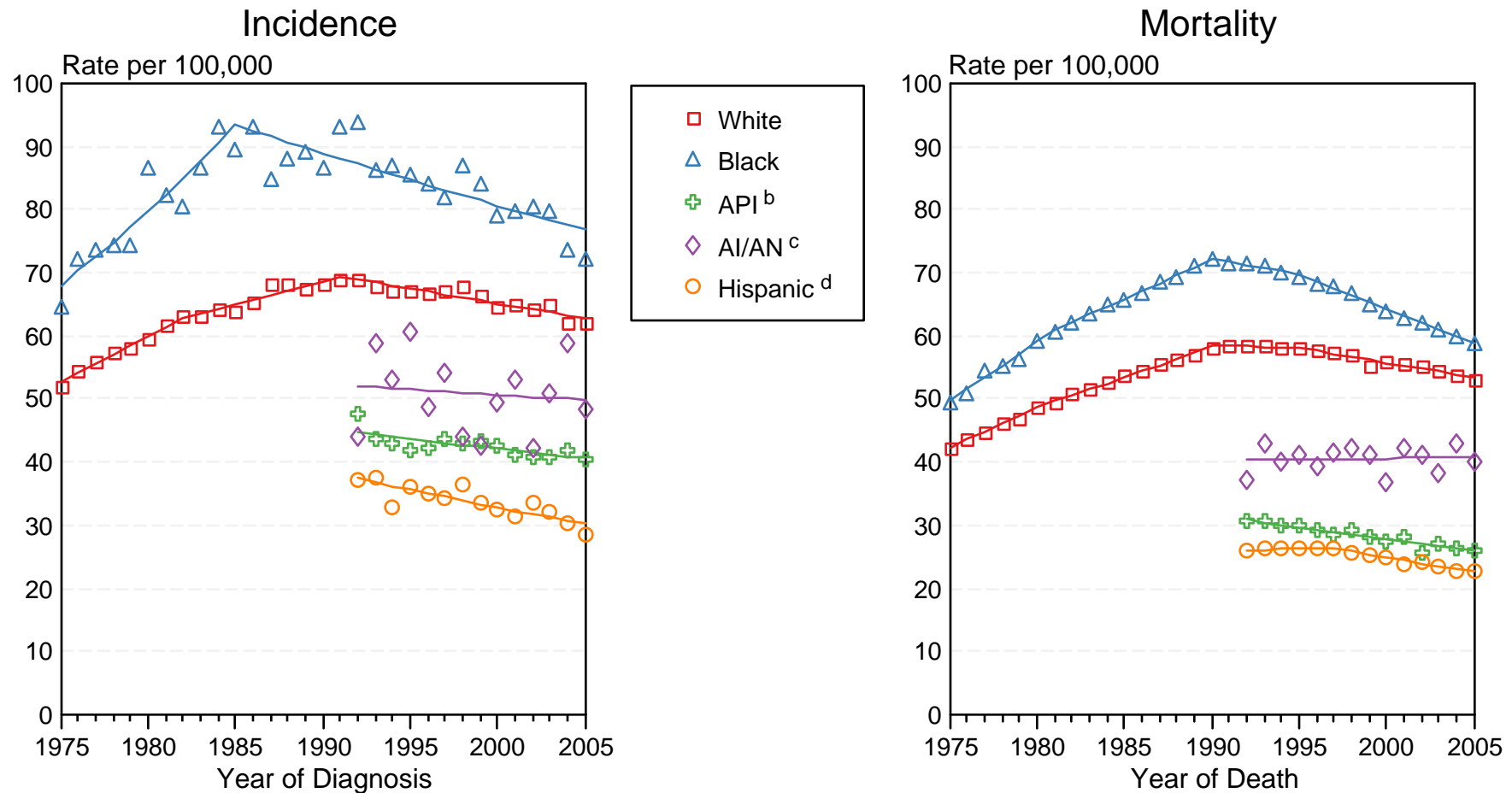


Figure XV-4

Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta). Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Mortality data are from US Mortality Files, National Center for Health Statistics, CDC.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute.

<sup>b</sup> API = Asian/Pacific Islander.

<sup>c</sup> AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

<sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table XVI-10  
MELANOMA OF THE SKIN (Invasive)

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

<u>SEER Incidence</u>	Rate 2001-2005 <sup>b</sup>			Seer 13 Areas <sup>c</sup> Trend 1996-2005 AAPC (%)			SEER 9 Areas <sup>d</sup> Trend 1996-2005 AAPC (%)		
	Rate per 100,000 persons			Total	Males	Females	Total	Males	Females
	Total	Males	Females	Total	Males	Females	Total	Males	Females
RACE/ETHNICITY									
All Races	19.4	24.6	15.6	2.3*	2.4*	2.2*	2.8*	2.8*	2.3*
White	22.6	28.5	18.5	2.8*	2.8*	2.9*	3.1*	3.1*	3.2*
White Hispanic <sup>e</sup>	4.8	4.9	4.9	1.5*	1.6	1.7*	-	-	-
White Non-Hispanic <sup>e</sup>	26.6	33.1	21.8	3.3*	3.2*	3.4*	-	-	-
Black	1.0	1.1	0.9	-5.8*	-	-	-0.5	0.3	-1.2*
Asian/Pacific Islander	1.4	1.6	1.3	2.2*	1.4	3.1*	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	3.1	3.9	2.6	-	-	-	-	-	-
Hispanic <sup>e</sup>	4.7	4.8	4.9	1.3*	1.3	1.6*	-	-	-
<u>U.S. Mortality<sup>g</sup></u>									
	Rate 2001-2005			Trend 1996-2005 <sup>h</sup>					
	Rate per 100,000 persons			AAPC (%)					
	Total	Males	Females	Total	Males	Females			
RACE/ETHNICITY									
All Races	2.7	3.9	1.7	-0.1	0.1	-0.5*			
White	3.0	4.4	2.0	0.0	0.2	-0.3*			
White Hispanic <sup>e</sup>	0.8	1.0	0.6	-1.4*	-0.8	-5.2			
White Non-Hispanic <sup>e</sup>	3.3	4.7	2.1	0.2	0.4*	-0.1			
Black	0.4	0.5	0.4	-1.2	-0.3	-1.9			
Asian/Pacific Islander	0.4	0.5	0.3	-0.8	-	-			
Amer Ind/Alaska Nat									
Total U.S.	0.8	1.0	0.6	-	-	-			
CHSDA Counties	1.1	1.5	0.7	-	-	-			
Non-CHSDA Counties	-	-	-	-	-	-			
Hispanic <sup>e</sup>	0.7	0.9	0.6	-1.5*	-0.9	-4.7			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute.

Statistic not shown. Rate based on less than 16 cases for the time interval. Trend based on less than 10 cases for at least one year within the time interval.

Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

Incidence data used in calculating the 2001-2005 rates are from the SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey).

The SEER 13 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1992-2005.

The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1975-2005.

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 are based on NHIA and exclude cases from the Alaska Native Registry and Kentucky. The 2001-2005 Hispanic and Non-Hispanic death rates exclude deaths from Minnesota, New Hampshire and North Dakota. The 1996-2005 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.

Incidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

US Mortality Files, National Center for Health Statistics, CDC.

The 1996-2005 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2005.

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

Table XVI-11  
MELANOMA OF THE SKIN (Invasive)

AGE-ADJUSTED SEER INCIDENCE RATES<sup>a</sup>  
 By Registry, Race and Sex

	<u>All Races</u>			<u>Whites</u>			<u>Blacks</u>		
	<u>Total</u>	<u>Males</u>	<u>Females</u>	<u>Total</u>	<u>Males</u>	<u>Females</u>	<u>Total</u>	<u>Males</u>	<u>Females</u>
<u>SEER INCIDENCE RATES<sup>a</sup>, 2001-2005</u>									
<u>REGISTRY</u>									
Atlanta & Rural Georgia	22.7	31.8	16.7	33.3	44.1	26.3	1.1	1.5	0.9
Atlanta	23.0	32.2	17.0	33.7	44.5	26.7	1.2	1.6	0.9
Rural Georgia	17.0	25.3	10.5	26.5	36.4	17.9	-	-	-
California	19.1	24.9	14.9	22.0	28.5	17.2	0.9	1.0	0.9
Greater Bay Area	16.0	20.7	12.7	20.8	26.7	16.6	-	-	-
San Francisco-Oakland	15.4	20.0	12.2	20.7	26.8	16.4	-	-	-
San Jose-Monterey	17.1	21.9	13.7	21.0	26.6	17.1	-	-	-
Los Angeles	14.2	19.2	10.7	18.1	24.2	13.7	0.8	-	0.8
Greater California	22.7	29.2	17.9	24.1	30.9	18.9	1.4	1.4	1.4
Connecticut	22.9	28.4	19.2	24.8	30.4	21.1	1.3	-	-
Detroit	16.9	21.2	14.2	22.2	26.9	19.3	0.7	-	0.8
Hawaii	17.8	22.5	13.9	60.5	74.8	47.8	-	-	-
Iowa	17.8	20.2	16.4	17.2	19.4	15.9	-	-	-
Kentucky	20.6	25.0	17.7	21.0	25.7	17.9	-	-	-
Louisiana	11.7	15.9	8.7	15.5	20.5	11.8	1.1	1.3	1.0
New Jersey	19.9	25.5	16.1	23.3	29.4	19.3	1.0	1.1	1.0
New Mexico	17.9	22.6	14.3	19.8	24.6	16.1	-	-	-
Seattle-Puget Sound	24.3	28.4	21.7	27.7	31.8	25.1	-	-	-
Utah	23.9	29.5	19.5	24.8	30.6	20.3	-	-	-
9 SEER Areas <sup>b</sup>	19.9	24.6	16.6	24.2	29.4	20.5	0.9	1.0	0.8
11 SEER Areas <sup>b</sup>	18.4	23.2	15.0	22.6	28.1	18.7	0.8	0.9	0.8
13 SEER Areas <sup>b</sup>	18.3	23.2	15.0	22.6	28.1	18.7	0.8	0.9	0.8
17 SEER Areas <sup>b</sup>	19.4	24.6	15.6	22.6	28.5	18.5	1.0	1.1	0.9

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

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.  
 The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.

The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Table XVI-12  
 MELANOMA OF THE SKIN CANCER (Invasive)

AGE-ADJUSTED SEER DEATH RATES<sup>a</sup>  
 By Registry, Race and Sex

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>SEER DEATH RATES<sup>a</sup>, 2001-2005</u>									
REGISTRY									
Atlanta & Rural Georgia	2.3	3.5	1.4	3.2	4.7	2.1	-	-	-
Atlanta	2.3	3.6	1.5	3.3	4.8	2.1	-	-	-
Rural Georgia	-	-	-	-	-	-	-	-	-
California	2.6	3.9	1.6	3.1	4.6	1.9	0.3	-	0.3
Greater Bay Area	2.3	3.5	1.5	3.1	4.6	2.0	-	-	-
San Francisco-Oakland	2.3	3.6	1.4	3.2	4.8	2.0	-	-	-
San Jose-Monterey	2.4	3.4	1.7	3.0	4.3	2.1	-	-	-
Los Angeles	1.8	2.8	1.1	2.3	3.6	1.4	-	-	-
Greater California	3.0	4.5	1.8	3.4	5.1	2.0	-	-	-
Connecticut	2.9	4.4	1.8	3.1	4.7	2.0	-	-	-
Detroit	1.9	3.0	1.1	2.4	3.7	1.4	-	-	-
Hawaii	1.7	2.4	1.1	4.6	6.3	3.0	-	-	-
Iowa	2.4	3.4	1.6	2.4	3.4	1.6	-	-	-
Kentucky	3.4	5.0	2.1	3.5	5.3	2.2	-	-	-
Louisiana	2.2	3.3	1.4	2.8	4.1	1.8	0.6	0.9	-
New Jersey	2.7	4.0	1.8	3.1	4.6	2.0	-	-	-
New Mexico	2.3	3.2	1.7	2.5	3.4	1.8	-	-	-
Seattle-Puget Sound	2.9	4.2	1.9	3.2	4.6	2.1	-	-	-
Utah	3.4	4.7	2.2	3.5	4.8	2.3	-	-	-
9 SEER Areas <sup>b</sup>	2.5	3.6	1.6	2.9	4.3	1.9	0.3	0.5	0.3
11 SEER Areas <sup>b</sup>	2.3	3.4	1.5	2.8	4.1	1.8	0.3	0.4	0.3
13 SEER Areas <sup>b</sup>	2.3	3.4	1.5	2.8	4.1	1.8	0.3	0.4	0.3
17 SEER Areas <sup>b</sup>	2.6	3.8	1.6	3.0	4.5	1.9	0.4	0.5	0.3
Total U.S.	2.7	3.9	1.7	3.0	4.4	2.0	0.4	0.5	0.4

<sup>a</sup> US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention. Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.

The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

# SEER Incidence and US Death Rates<sup>a</sup> Melanoma of the Skin, Both Sexes

Joinpoint Analyses for Whites and Blacks from 1975-2005

and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2005

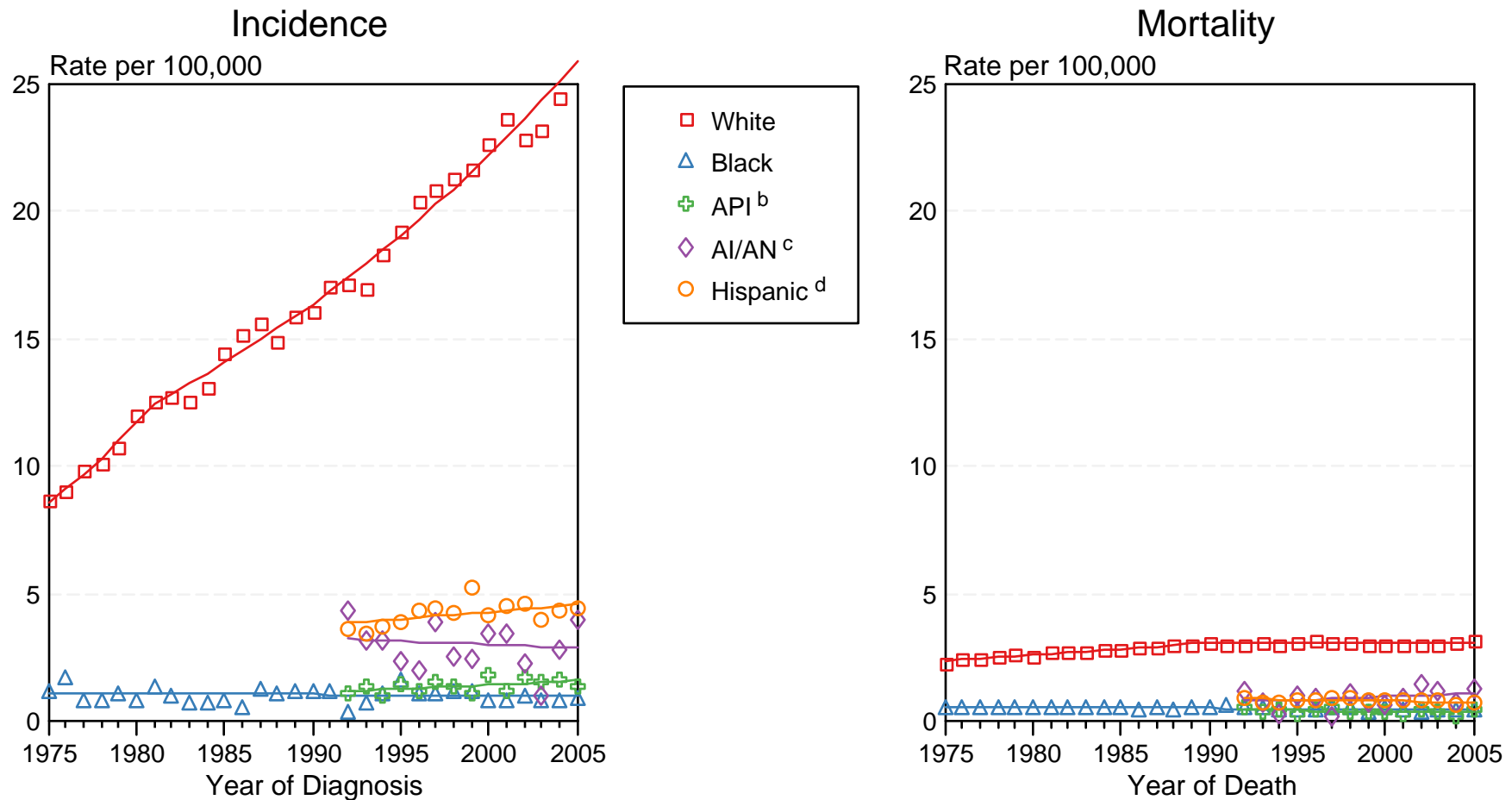


Figure XVI-2

Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta). Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Mortality data are from US Mortality Files, National Center for Health Statistics, CDC.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute.

<sup>b</sup> API = Asian/Pacific Islander.

<sup>c</sup> AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

<sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table XVII-9  
MESOTHELIOMA

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

RACE/ETHNICITY	Rate 2001-2005 <sup>b</sup> Rate per 100,000 persons			Seer 13 Areas <sup>c</sup> Trend 1996-2005 AAPC (%)			SEER 9 Areas <sup>d</sup> Trend 1996-2005 AAPC (%)		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	1.1	2.0	0.4	-1.0*	-1.3*	-0.4	-1.1*	-1.6*	-0.3
White	1.2	2.2	0.5	-0.6*	-1.0*	0.2	-0.6	-1.3	0.9*
White Hispanic <sup>e</sup>	1.1	1.9	0.5	-2.5*	-3.4*	-	-	-	-
White Non-Hispanic <sup>e</sup>	1.2	2.3	0.5	-0.5	-0.8*	0.1	-	-	-
Black	0.6	1.2	0.2	-3.8*	-	-	-6.8*	-7.6*	-
Asian/Pacific Islander	0.3	0.6	0.1	-	-	-	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	-	-	-	-	-	-	-	-	-
Hispanic <sup>e</sup>	1.1	1.8	0.5	-2.2*	-3.2*	-	-	-	-

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute.

- Statistic not shown. Rate based on less than 16 cases for the time interval. Trend based on less than 10 cases for at least one year within the time interval.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> Incidence data used in calculating the 2001-2005 rates are from the SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey).

<sup>c</sup> The SEER 13 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1992-2005.

<sup>d</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1975-2005.

<sup>e</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 are based on NHIA and exclude cases from the Alaska Native Registry and Kentucky.

<sup>f</sup> Incidence data for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

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

Table XVII-10

MESOTHELIOMAAGE-ADJUSTED SEER INCIDENCE RATES<sup>a</sup>

By Registry, Race and Sex

	<u>All Races</u>			<u>Whites</u>			<u>Blacks</u>		
	<u>Total</u>	<u>Males</u>	<u>Females</u>	<u>Total</u>	<u>Males</u>	<u>Females</u>	<u>Total</u>	<u>Males</u>	<u>Females</u>
<u>SEER INCIDENCE RATES<sup>a</sup>, 2001-2005</u>									
<u>REGISTRY</u>									
Atlanta & Rural Georgia	0.6	1.1	0.3	0.8	1.4	0.4	-	-	-
Atlanta	0.6	1.1	0.3	0.8	1.4	0.4	-	-	-
Rural Georgia	-	-	-	-	-	-	-	-	-
California	1.0	1.9	0.4	1.1	2.1	0.4	0.7	1.4	-
Greater Bay Area	1.0	1.8	0.3	1.2	2.2	0.4	-	-	-
San Francisco-Oakland	1.0	2.0	0.3	1.3	2.5	0.4	-	-	-
San Jose-Monterey	0.9	1.5	0.4	1.0	1.8	0.4	-	-	-
Los Angeles	0.9	1.7	0.4	1.1	2.0	0.4	0.6	1.3	-
Greater California	1.1	2.0	0.4	1.2	2.1	0.4	0.8	1.5	-
Connecticut	1.3	2.4	0.6	1.4	2.5	0.6	-	-	-
Detroit	1.0	1.9	0.5	1.2	2.1	0.5	0.4	-	-
Hawaii	0.8	1.5	-	1.3	2.4	-	-	-	-
Iowa	0.8	1.3	0.4	0.8	1.3	0.4	-	-	-
Kentucky	0.8	1.4	0.4	0.8	1.4	0.4	-	-	-
Louisiana	1.3	2.4	0.5	1.4	2.6	0.5	0.8	1.6	-
New Jersey	1.6	3.1	0.6	1.8	3.4	0.6	0.8	1.7	-
New Mexico	0.8	1.5	0.3	0.8	1.5	-	-	-	-
Seattle-Puget Sound	1.5	2.8	0.5	1.6	3.0	0.5	-	-	-
Utah	0.8	1.4	0.4	0.9	1.5	0.4	-	-	-
9 SEER Areas <sup>b</sup>	1.0	1.9	0.4	1.1	2.1	0.4	0.4	0.8	-
11 SEER Areas <sup>b</sup>	1.0	1.8	0.4	1.1	2.1	0.4	0.5	0.9	0.2
13 SEER Areas <sup>b</sup>	1.0	1.8	0.4	1.1	2.1	0.4	0.5	0.9	0.2
17 SEER Areas <sup>b</sup>	1.1	2.0	0.4	1.2	2.2	0.5	0.6	1.2	0.2

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

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta. The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.

The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Table XVIII-10  
MYELOMA

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

<u>SEER Incidence</u>	Rate 2001-2005 <sup>b</sup>			Seer 13 Areas <sup>c</sup> Trend 1996-2005 AAPC (%)			SEER 9 Areas <sup>d</sup> Trend 1996-2005 AAPC (%)		
	Rate per 100,000 persons			Total	Males	Females	Total	Males	Females
	Total	Males	Females						
RACE/ETHNICITY									
All Races	5.6	7.0	4.6	-0.2	-0.2	-0.4	-0.7	0.0	-1.2*
White	5.2	6.6	4.1	-0.2	-0.1	-0.4	-0.6	-0.6	-1.2
White Hispanic <sup>e</sup>	5.8	6.9	4.9	-0.2	-0.3	-0.1	-	-	-
White Non-Hispanic <sup>e</sup>	5.1	6.5	4.0	-0.2	-0.1	-0.6	-	-	-
Black	11.6	14.4	9.8	-0.4	0.0	-0.8	-1.1	0.3	-2.1
Asian/Pacific Islander	3.3	3.8	2.9	-0.4	-1.3*	0.8	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	4.9	4.6	5.1	-	-	-	-	-	-
Hispanic <sup>e</sup>	5.7	6.8	4.9	-0.1	-0.2	0.0	-	-	-
<u>U.S. Mortality<sup>g</sup></u>									
	Rate 2001-2005			Trend 1996-2005 <sup>h</sup>					
	Rate per 100,000 persons			AAPC (%)					
	Total	Males	Females	Total	Males	Females			
RACE/ETHNICITY									
All Races	3.7	4.6	3.0	-1.2*	-1.1*	-1.3*			
White	3.4	4.3	2.8	-0.9*	-0.6*	-1.2*			
White Hispanic <sup>e</sup>	3.1	3.7	2.6	-0.3	-0.8	0.0			
White Non-Hispanic <sup>e</sup>	3.4	4.3	2.8	-0.9*	-0.9*	-1.2*			
Black	6.9	8.3	6.0	-1.7*	-2.0*	-1.0*			
Asian/Pacific Islander	1.6	1.9	1.4	-1.4*	-2.2*	-0.5			
Amer Ind/Alaska Nat									
Total U.S.	3.0	3.4	2.7	-0.2	-	-			
CHSDA Counties	3.9	4.6	3.6	0.3	-	-			
Non-CHSDA Counties	1.7	1.9	1.6	-	-	-			
Hispanic <sup>e</sup>	3.0	3.6	2.6	-0.2	-0.7	0.1			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute.

Statistic not shown. Rate based on less than 16 cases for the time interval. Trend based on less than 10 cases for at least one year within the time interval.

Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

Incidence data used in calculating the 2001-2005 rates are from the SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey).

The SEER 13 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1992-2005.

The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1975-2005.

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 are based on NHIA and exclude cases from the Alaska Native Registry and Kentucky. The 2001-2005 Hispanic and Non-Hispanic death rates exclude deaths from Minnesota, New Hampshire and North Dakota. The 1996-2005 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.

Incidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

US Mortality Files, National Center for Health Statistics, CDC.

The 1996-2005 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2005.

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



Table XVIII-11

MYELOMAAGE-ADJUSTED SEER INCIDENCE RATES<sup>a</sup>

By Registry, Race and Sex

	<u>All Races</u>			<u>Whites</u>			<u>Blacks</u>		
	<u>Total</u>	<u>Males</u>	<u>Females</u>	<u>Total</u>	<u>Males</u>	<u>Females</u>	<u>Total</u>	<u>Males</u>	<u>Females</u>
<u>SEER INCIDENCE RATES<sup>a</sup>, 2001-2005</u>									
REGISTRY									
Atlanta & Rural Georgia	6.5	8.2	5.2	5.0	6.4	3.9	10.8	14.3	8.5
Atlanta	6.4	8.0	5.2	5.0	6.4	4.0	10.5	13.6	8.4
Rural Georgia	8.2	11.5	5.4	4.1	-	-	15.9	24.3	-
California	5.2	6.4	4.3	5.0	6.2	4.1	11.2	13.5	9.7
Greater Bay Area	5.5	6.7	4.5	5.4	6.7	4.3	11.4	12.9	10.3
San Francisco-Oakland	5.4	6.5	4.5	5.0	6.3	4.0	11.2	12.6	10.2
San Jose-Monterey	5.7	7.2	4.5	6.0	7.4	4.9	13.4	17.7	-
Los Angeles	5.5	6.5	4.7	5.0	6.1	4.3	11.6	13.7	10.3
Greater California	5.0	6.3	4.0	4.9	6.2	3.9	10.5	13.6	8.2
Connecticut	5.5	7.0	4.5	5.2	6.6	4.2	10.4	13.5	8.3
Detroit	6.9	8.8	5.7	5.6	7.4	4.4	12.3	15.2	10.5
Hawaii	4.1	5.3	3.0	5.0	8.2	2.3	-	-	-
Iowa	5.5	7.1	4.3	5.4	7.0	4.2	15.0	-	-
Kentucky	5.9	7.4	4.8	5.4	7.0	4.3	12.6	15.6	10.7
Louisiana	6.6	8.4	5.3	4.8	6.0	3.8	12.4	16.4	9.7
New Jersey	6.1	7.4	5.1	5.5	6.9	4.4	11.8	13.8	10.6
New Mexico	5.1	6.5	4.1	5.1	6.5	4.0	-	-	-
Seattle-Puget Sound	5.8	7.6	4.5	5.8	7.5	4.4	10.3	13.6	7.0
Utah	4.8	6.0	3.7	4.9	6.2	3.8	-	-	-
9 SEER Areas <sup>b</sup>	5.7	7.2	4.6	5.3	6.8	4.1	11.3	14.0	9.5
11 SEER Areas <sup>b</sup>	5.6	7.0	4.6	5.3	6.7	4.2	11.4	14.0	9.7
13 SEER Areas <sup>b</sup>	5.6	7.0	4.6	5.3	6.7	4.2	11.4	14.1	9.7
17 SEER Areas <sup>b</sup>	5.6	7.0	4.6	5.2	6.6	4.1	11.6	14.4	9.8

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

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.

The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Table XVIII-12

MYELOMAAGE-ADJUSTED SEER DEATH RATES<sup>a</sup>

By Registry, Race and Sex

	<u>All Races</u>			<u>Whites</u>			<u>Blacks</u>		
	<u>Total</u>	<u>Males</u>	<u>Females</u>	<u>Total</u>	<u>Males</u>	<u>Females</u>	<u>Total</u>	<u>Males</u>	<u>Females</u>
<u>SEER DEATH RATES<sup>a</sup>, 2001-2005</u>									
REGISTRY									
Atlanta & Rural Georgia	4.2	4.8	3.7	3.4	4.1	2.9	6.6	7.4	5.9
Atlanta	4.2	4.8	3.8	3.5	4.1	3.0	6.6	7.2	6.0
Rural Georgia	4.0	-	-	-	-	-	-	-	-
California	3.4	4.2	2.8	3.4	4.3	2.7	7.3	8.3	6.7
Greater Bay Area	3.4	4.2	2.8	3.5	4.4	2.9	7.4	8.6	6.5
San Francisco-Oakland	3.5	4.4	2.9	3.5	4.5	2.8	7.3	8.1	6.8
San Jose-Monterey	3.1	3.7	2.6	3.5	4.1	3.0	-	-	-
Los Angeles	3.4	4.2	2.9	3.3	4.2	2.7	7.5	9.1	6.6
Greater California	3.4	4.2	2.7	3.4	4.3	2.7	6.8	6.8	6.8
Connecticut	3.6	4.2	3.2	3.4	4.0	3.0	6.3	6.1	6.4
Detroit	4.2	5.5	3.4	3.6	4.8	2.7	7.2	9.0	6.0
Hawaii	2.3	2.8	2.0	3.5	4.3	2.7	-	-	-
Iowa	3.7	4.7	3.0	3.7	4.7	3.0	9.7	-	-
Kentucky	4.0	5.3	3.1	3.8	5.0	3.0	7.6	10.7	5.3
Louisiana	4.2	5.5	3.3	3.3	4.3	2.6	7.2	9.9	5.5
New Jersey	3.7	4.5	3.2	3.4	4.2	2.8	7.1	7.8	6.7
New Mexico	3.5	4.5	2.8	3.5	4.4	2.7	-	-	-
Seattle-Puget Sound	4.0	5.3	3.0	4.0	5.3	3.0	7.0	9.0	-
Utah	3.7	5.0	2.8	3.8	5.0	2.8	-	-	-
9 SEER Areas <sup>b</sup>	3.7	4.7	3.1	3.6	4.6	2.9	7.0	8.3	6.2
11 SEER Areas <sup>b</sup>	3.6	4.5	3.0	3.5	4.5	2.9	7.2	8.6	6.3
13 SEER Areas <sup>b</sup>	3.6	4.5	3.0	3.5	4.5	2.9	7.1	8.6	6.2
17 SEER Areas <sup>b</sup>	3.6	4.6	3.0	3.5	4.5	2.8	7.1	8.6	6.2
Total U.S.	3.7	4.6	3.0	3.4	4.3	2.8	6.9	8.3	6.0

<sup>a</sup> US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention. Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.

The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

# SEER Incidence and US Death Rates<sup>a</sup> Myeloma, Both Sexes

Joinpoint Analyses for Whites and Blacks from 1975-2005  
and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2005

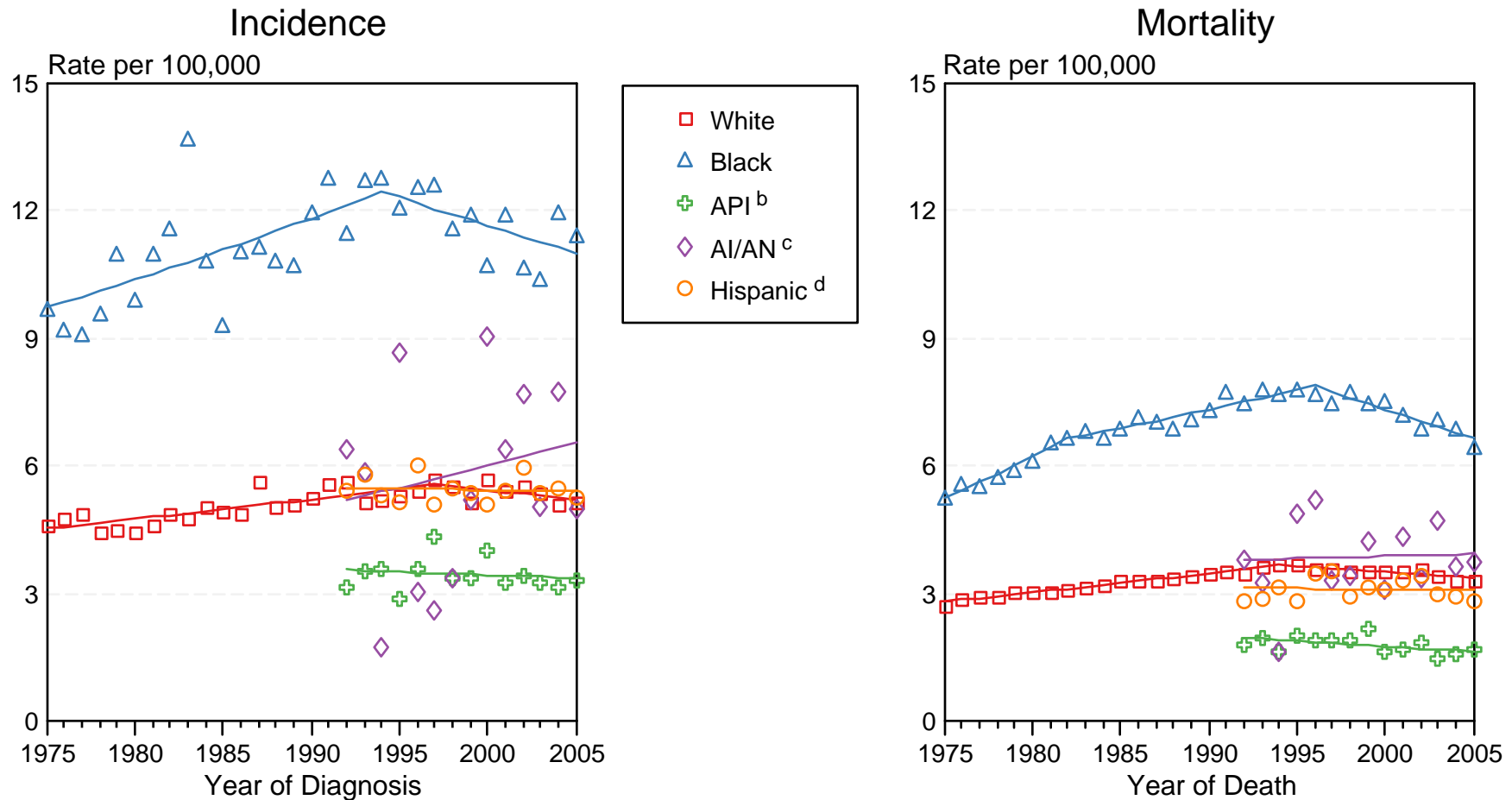


Figure XVIII-2

Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta). Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Mortality data are from US Mortality Files, National Center for Health Statistics, CDC.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute.

<sup>b</sup> API = Asian/Pacific Islander.

<sup>c</sup> AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

<sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table XIX-14  
NON-HODGKIN LYMPHOMA

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

SEER Incidence	Rate 2001-2005 <sup>b</sup>			Seer 13 Areas <sup>c</sup> Trend 1996-2005 AAPC (%)			SEER 9 Areas <sup>d</sup> Trend 1996-2005 AAPC (%)		
	Rate per 100,000 persons			Total	Males	Females	Total	Males	Females
	Total	Males	Females	Total	Males	Females	Total	Males	Females
RACE/ETHNICITY									
All Races	19.5	23.5	16.3	0.3*	-0.1	1.0*	0.5*	0.2	1.0*
White	20.3	24.3	17.1	0.4*	-0.1	1.0*	0.6*	0.4*	1.1*
White Hispanic <sup>e</sup>	17.1	19.7	14.9	-0.2	-0.6	0.5	-	-	-
White Non-Hispanic <sup>e</sup>	20.9	25.3	17.4	0.5*	0.1	1.1*	-	-	-
Black	14.9	18.4	12.1	0.9*	-0.3	2.5*	0.8	-0.9	2.7*
Asian/Pacific Islander	13.2	16.0	11.1	0.1	-0.1	0.5	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	11.0	13.3	9.3	3.3	-	-	-	-	-
Hispanic <sup>e</sup>	16.7	19.2	14.6	0.0	-0.5	0.7*	-	-	-
U.S. Mortality <sup>g</sup>									
	Rate 2001-2005			Trend 1996-2005 <sup>h</sup>					
	Rate per 100,000 persons			AAPC (%)					
	Total	Males	Females	Total	Males	Females			
RACE/ETHNICITY									
All Races	7.3	9.3	5.9	-2.7*	-2.5*	-3.0*			
White	7.6	9.7	6.2	-2.7*	-2.4*	-3.1*			
White Hispanic <sup>e</sup>	5.8	6.9	4.8	-2.9*	-3.8*	-2.3*			
White Non-Hispanic <sup>e</sup>	7.7	9.8	6.2	-2.5*	-2.1*	-2.9*			
Black	5.1	6.4	4.2	-2.6*	-3.2*	-2.0*			
Asian/Pacific Islander	4.6	5.6	3.8	-2.0*	-2.6*	-1.2*			
Amer Ind/Alaska Nat									
Total U.S.	4.0	4.4	3.6	-0.3	-1.2	0.1			
CHSDA Counties	5.4	5.8	4.9	1.4	0.0	2.1			
Non-CHSDA Counties	2.3	2.7	1.9	-4.2	-	-			
Hispanic <sup>e</sup>	5.5	6.7	4.7	-2.9*	-3.9*	-2.3*			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute.

Statistic not shown. Rate based on less than 16 cases for the time interval. Trend based on less than 10 cases for at least one year within the time interval.

Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

Incidence data used in calculating the 2001-2005 rates are from the SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey).

The SEER 13 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1992-2005.

The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1975-2005.

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 are based on NHIA and exclude cases from the Alaska Native Registry and Kentucky. The 2001-2005 Hispanic and Non-Hispanic death rates exclude deaths from Minnesota, New Hampshire and North Dakota. The 1996-2005 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.

Incidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

US Mortality Files, National Center for Health Statistics, CDC.

The 1996-2005 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2005.

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

Table XIX-15  
NON-HODGKIN LYMPHOMA

AGE-ADJUSTED SEER INCIDENCE RATES<sup>a</sup>  
By Registry, Race and Sex

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>SEER INCIDENCE RATES<sup>a</sup>, 2001-2005</u>									
REGISTRY									
Atlanta & Rural Georgia	17.5	21.7	14.4	18.8	22.9	15.7	14.2	18.8	10.9
Atlanta	17.7	22.1	14.4	18.9	23.1	15.7	14.4	19.2	11.0
Rural Georgia	15.9	18.0	13.5	19.1	20.7	17.0	10.9	-	-
California	18.7	22.6	15.5	19.4	23.4	16.1	14.4	18.0	11.3
Greater Bay Area	20.3	25.1	16.4	21.9	26.9	17.6	17.1	21.4	13.1
San Francisco-Oakland	20.4	25.9	16.0	22.1	27.8	17.4	17.8	22.4	13.9
San Jose-Monterey	20.2	23.7	17.3	21.4	25.6	18.0	12.4	15.2	-
Los Angeles	18.1	22.0	15.0	19.2	23.3	15.9	14.1	18.4	10.9
Greater California	18.4	22.0	15.3	18.8	22.5	15.7	13.1	15.6	10.5
Connecticut	21.1	25.5	17.8	21.6	26.1	18.1	15.7	18.0	14.1
Detroit	21.4	25.0	18.8	22.7	26.4	19.9	16.4	19.5	14.1
Hawaii	15.6	18.9	12.7	18.7	23.2	14.3	-	-	-
Iowa	19.9	23.5	17.0	19.8	23.4	17.0	14.4	18.3	-
Kentucky	19.3	22.4	16.9	19.5	22.5	17.2	13.6	18.8	10.2
Louisiana	19.1	22.9	16.2	20.8	24.7	17.8	13.9	16.7	11.6
New Jersey	21.2	25.9	17.7	21.9	26.5	18.4	16.3	20.6	13.1
New Mexico	16.0	18.4	14.0	16.5	19.0	14.5	13.2	-	-
Seattle-Puget Sound	22.9	28.1	18.8	23.7	29.2	19.4	15.3	16.0	14.8
Utah	19.2	22.9	15.8	19.4	23.3	15.9	-	-	-
9 SEER Areas <sup>b</sup>	20.1	24.4	16.8	21.1	25.5	17.7	15.8	19.1	13.2
11 SEER Areas <sup>b</sup>	19.7	23.8	16.4	20.7	25.0	17.3	15.3	18.9	12.6
13 SEER Areas <sup>b</sup>	19.7	23.8	16.4	20.7	25.0	17.3	15.3	18.9	12.5
17 SEER Areas <sup>b</sup>	19.5	23.5	16.3	20.3	24.3	17.1	14.9	18.4	12.1

<sup>a</sup> Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130)  
<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.  
The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.  
The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.  
The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Table XIX-16  
NON-HODGKIN LYMPHOMA

AGE-ADJUSTED SEER DEATH RATES<sup>a</sup>  
By Registry, Race and Sex

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>SEER DEATH RATES<sup>a</sup>, 2001-2005</u>									
REGISTRY									
Atlanta & Rural Georgia	6.2	7.7	5.2	6.7	8.2	5.7	4.6	5.8	3.8
Atlanta	6.2	7.8	5.2	6.7	8.3	5.7	4.6	5.8	3.7
Rural Georgia	6.4	7.4	5.3	6.7	-	-	-	-	-
California	6.9	8.8	5.4	7.3	9.3	5.7	5.3	6.2	4.5
Greater Bay Area	7.2	9.4	5.6	7.8	10.3	6.0	5.6	7.4	4.3
San Francisco-Oakland	7.3	9.8	5.4	8.0	10.9	5.8	5.8	7.6	4.5
San Jose-Monterey	7.1	8.4	6.0	7.5	9.2	6.3	-	-	-
Los Angeles	6.4	8.1	5.1	6.9	8.9	5.4	4.8	5.4	4.2
Greater California	7.0	8.9	5.5	7.2	9.2	5.7	5.8	6.4	5.1
Connecticut	7.3	9.4	5.9	7.5	9.7	6.0	4.0	4.0	3.9
Detroit	7.7	9.8	6.2	8.2	10.4	6.7	5.6	7.3	4.4
Hawaii	5.8	7.4	4.4	6.6	8.2	5.0	-	-	-
Iowa	8.0	10.1	6.6	8.1	10.2	6.6	-	-	-
Kentucky	7.7	9.9	6.2	7.9	10.0	6.3	5.4	8.0	3.8
Louisiana	7.8	9.8	6.4	8.5	10.8	6.9	5.7	6.8	4.9
New Jersey	7.6	9.7	6.0	7.9	10.1	6.3	5.3	7.2	3.9
New Mexico	6.3	7.8	5.1	6.3	8.0	5.1	-	-	-
Seattle-Puget Sound	7.9	10.6	5.9	8.1	11.0	6.0	5.8	7.2	-
Utah	7.0	9.2	5.2	7.1	9.3	5.2	-	-	-
9 SEER Areas <sup>b</sup>	7.3	9.4	5.7	7.7	10.0	6.0	5.1	6.4	4.1
11 SEER Areas <sup>b</sup>	7.1	9.1	5.6	7.5	9.7	5.9	5.0	6.2	4.2
13 SEER Areas <sup>b</sup>	7.1	9.1	5.6	7.5	9.7	5.9	5.0	6.2	4.2
17 SEER Areas <sup>b</sup>	7.2	9.2	5.7	7.6	9.7	6.0	5.3	6.6	4.3
Total U.S.	7.3	9.3	5.9	7.6	9.7	6.2	5.1	6.4	4.2

<sup>a</sup> US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention. Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.

The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

# SEER Incidence and US Death Rates<sup>a</sup> Non-Hodgkin Lymphoma, Both Sexes

Joinpoint Analyses for Whites and Blacks from 1975-2005  
and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2005

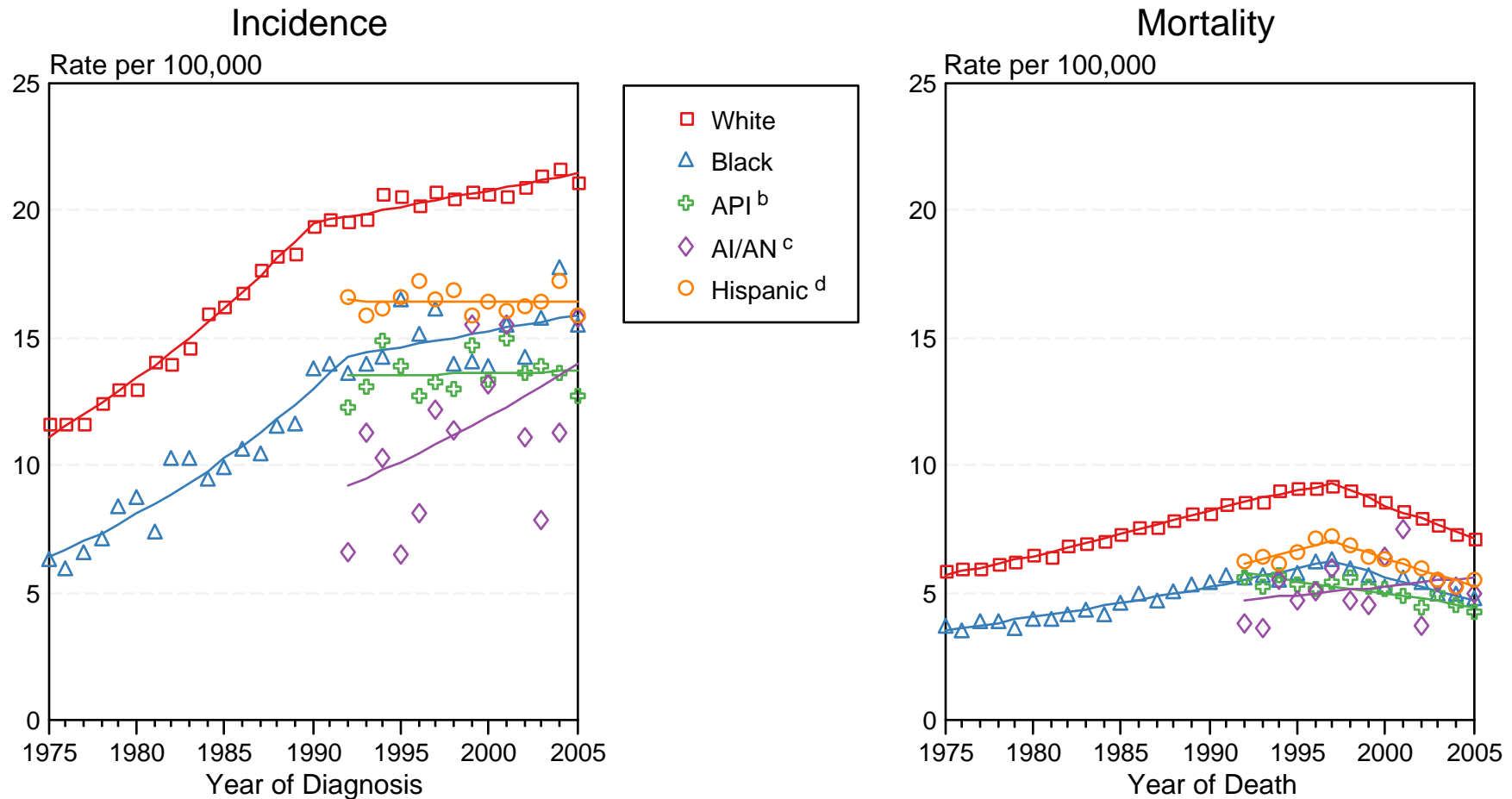


Figure XIX-2

Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta). Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Mortality data are from US Mortality Files, National Center for Health Statistics, CDC.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute.

<sup>b</sup> API = Asian/Pacific Islander.

<sup>c</sup> AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

<sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table XX-10a  
CANCER OF THE ORAL CAVITY AND PHARYNX (Invasive)

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

<u>SEER Incidence</u>	Rate 2001-2005 <sup>b</sup>			Seer 13 Areas <sup>c</sup>			SEER 9 Areas <sup>d</sup>		
	Rate per 100,000 persons			Trend 1996-2005			Trend 1996-2005		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
RACE/ETHNICITY									
All Races	10.4	15.5	6.1	-1.4*	-1.6*	-1.3*	-1.2*	-1.4*	-1.0*
White	10.6	15.7	6.1	-1.2*	-1.3*	-1.5*	-0.9*	-1.2*	-1.0*
White Hispanic <sup>e</sup>	6.3	9.6	3.6	-2.1*	-2.3*	-2.3*	-	-	-
White Non-Hispanic <sup>e</sup>	11.2	16.6	6.6	-0.9*	-1.0*	-1.2*	-	-	-
Black	10.8	17.2	5.9	-2.7*	-3.4*	-1.0	-2.5*	-3.3*	-1.3*
Asian/Pacific Islander	7.8	10.5	5.4	-1.3*	-1.7*	-0.5	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	7.1	9.7	4.9	-3.7*	-	-	-	-	-
Hispanic <sup>e</sup>	6.2	9.4	3.6	-2.0*	-2.1*	-2.3*	-	-	-
<u>U.S. Mortality<sup>g</sup></u>									
	Rate 2001-2005			Trend 1996-2005 <sup>h</sup>					
	Rate per 100,000 persons			AAPC (%)					
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females			
All Races	2.6	4.0	1.5	-2.2*	-2.3*	-2.4*			
White	2.5	3.8	1.5	-1.9*	-2.0*	-2.2*			
White Hispanic <sup>e</sup>	1.7	2.7	0.8	-3.2*	-3.9*	-1.8			
White Non-Hispanic <sup>e</sup>	2.6	3.9	1.5	-1.7*	-1.8*	-2.0*			
Black	3.7	6.7	1.6	-3.7*	-2.7*	-4.0*			
Asian/Pacific Islander	2.2	3.3	1.4	-2.5*	-2.9*	-1.4			
Amer Ind/Alaska Nat									
Total U.S.	2.0	3.2	1.1	-2.2*	-2.0	-			
CHSDA Counties	2.4	3.8	1.3	-2.7*	-	-			
Non-CHSDA Counties	1.5	2.4	0.7	-	-	-			
Hispanic <sup>e</sup>	1.6	2.6	0.8	-3.2*	-3.9*	-1.9			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute.

Statistic not shown. Rate based on less than 16 cases for the time interval. Trend based on less than 10 cases for at least one year within the time interval.

Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

Incidence data used in calculating the 2001-2005 rates are from the SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey).

The SEER 13 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1992-2005.

The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1975-2005.

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 are based on NHIA and exclude cases from the Alaska Native Registry and Kentucky. The 2001-2005 Hispanic and Non-Hispanic death rates exclude deaths from Minnesota, New Hampshire and North Dakota. The 1996-2005 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.

Incidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

US Mortality Files, National Center for Health Statistics, CDC.

The 1996-2005 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2005.

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



Table XX-11  
 CANCER OF THE ORAL CAVITY AND PHARYNX (Invasive)

AGE-ADJUSTED SEER INCIDENCE RATES<sup>a</sup>  
 By Registry, Race and Sex

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>SEER INCIDENCE RATES<sup>a</sup>, 2001-2005</u>									
REGISTRY									
Atlanta & Rural Georgia	10.5	15.3	6.6	10.5	15.5	6.2	10.8	15.8	7.3
Atlanta	10.4	15.1	6.6	10.4	15.4	6.2	10.7	15.6	7.3
Rural Georgia	12.5	19.0	7.2	11.6	17.6	6.7	13.7	22.0	-
California	10.1	14.9	6.0	10.4	15.4	6.1	9.9	15.4	5.6
Greater Bay Area	10.1	14.5	6.4	10.3	14.8	6.3	9.8	15.0	5.7
San Francisco-Oakland	10.6	15.1	6.8	10.8	15.3	6.8	10.2	15.4	6.1
San Jose-Monterey	9.1	13.3	5.5	9.3	14.0	5.4	8.4	14.0	-
Los Angeles	9.1	13.4	5.5	9.2	13.6	5.5	10.4	16.8	5.7
Greater California	10.7	15.8	6.2	11.0	16.3	6.2	9.4	14.0	5.4
Connecticut	10.1	14.9	6.1	9.9	14.7	5.9	11.9	17.9	7.7
Detroit	11.9	17.7	7.1	11.8	17.3	7.2	12.4	19.8	6.9
Hawaii	11.0	15.6	6.7	16.7	22.7	10.3	-	-	-
Iowa	11.1	17.0	6.3	10.9	16.7	6.2	11.5	16.3	-
Kentucky	11.6	18.3	6.1	11.6	18.1	6.1	10.8	18.1	5.0
Louisiana	12.2	19.6	6.2	12.3	19.2	6.4	12.1	21.1	5.3
New Jersey	9.7	14.4	5.9	9.6	14.1	5.8	10.6	17.5	5.6
New Mexico	9.4	14.0	5.3	9.8	14.6	5.6	-	-	-
Seattle-Puget Sound	10.9	15.7	6.6	11.3	16.3	6.8	7.9	11.5	-
Utah	8.5	12.0	5.3	8.5	12.1	5.2	-	-	-
9 SEER Areas <sup>b</sup>	10.6	15.5	6.4	10.7	15.7	6.4	10.9	16.7	6.6
11 SEER Areas <sup>b</sup>	10.2	14.9	6.2	10.3	15.2	6.1	10.8	16.6	6.3
13 SEER Areas <sup>b</sup>	10.2	14.9	6.2	10.3	15.2	6.1	10.8	16.7	6.3
17 SEER Areas <sup>b</sup>	10.4	15.5	6.1	10.6	15.7	6.1	10.8	17.2	5.9

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

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.

The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Table XX-12  
 CANCER OF THE ORAL CAVITY AND PHARYNX (Invasive)

AGE-ADJUSTED SEER DEATH RATES<sup>a</sup>  
 By Registry, Race and Sex

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>SEER DEATH RATES<sup>a</sup>, 2001-2005</u>									
REGISTRY									
Atlanta & Rural Georgia	2.3	3.1	1.7	2.0	2.5	1.5	3.2	4.8	2.0
Atlanta	2.2	2.9	1.6	1.9	2.4	1.5	3.1	4.6	2.0
Rural Georgia	3.7	5.4	-	-	-	-	-	-	-
California	2.7	4.0	1.7	2.7	3.9	1.7	3.7	5.9	2.0
Greater Bay Area	2.6	3.7	1.6	2.4	3.3	1.6	3.5	5.4	2.0
San Francisco-Oakland	2.8	4.1	1.8	2.6	3.6	1.7	3.7	5.6	2.1
San Jose-Monterey	2.0	3.0	1.2	2.0	2.9	1.4	-	-	-
Los Angeles	2.6	3.9	1.5	2.4	3.7	1.4	4.2	7.0	2.2
Greater California	2.8	4.1	1.8	2.9	4.2	1.8	3.3	5.1	1.8
Connecticut	2.2	3.5	1.1	2.1	3.4	1.1	3.3	5.7	-
Detroit	2.8	4.4	1.5	2.5	3.9	1.5	3.7	6.7	1.5
Hawaii	3.0	4.4	1.7	4.4	6.0	2.7	-	-	-
Iowa	2.5	3.6	1.5	2.4	3.5	1.5	-	-	-
Kentucky	2.9	4.6	1.5	2.8	4.4	1.5	4.4	8.2	-
Louisiana	3.5	5.8	1.7	3.1	5.0	1.6	4.6	8.7	1.7
New Jersey	2.5	3.8	1.4	2.3	3.5	1.4	3.9	6.6	2.0
New Mexico	1.9	2.8	1.1	1.9	2.8	1.1	-	-	-
Seattle-Puget Sound	2.9	4.3	1.8	2.9	4.3	1.8	-	-	-
Utah	1.8	2.5	1.1	1.8	2.5	1.1	-	-	-
9 SEER Areas <sup>b</sup>	2.5	3.7	1.5	2.4	3.5	1.5	3.3	5.5	1.7
11 SEER Areas <sup>b</sup>	2.5	3.7	1.5	2.4	3.5	1.4	3.5	5.9	1.8
13 SEER Areas <sup>b</sup>	2.5	3.7	1.5	2.4	3.5	1.4	3.5	5.9	1.8
17 SEER Areas <sup>b</sup>	2.7	4.0	1.6	2.6	3.8	1.5	3.8	6.5	1.8
Total U.S.	2.6	4.0	1.5	2.5	3.8	1.5	3.7	6.7	1.6

<sup>a</sup> US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention. Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.

The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

# SEER Incidence and US Death Rates<sup>a</sup> Cancer of the Oral Cavity and Pharynx, Both Sexes

Joinpoint Analyses for Whites and Blacks from 1975-2005  
and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2005

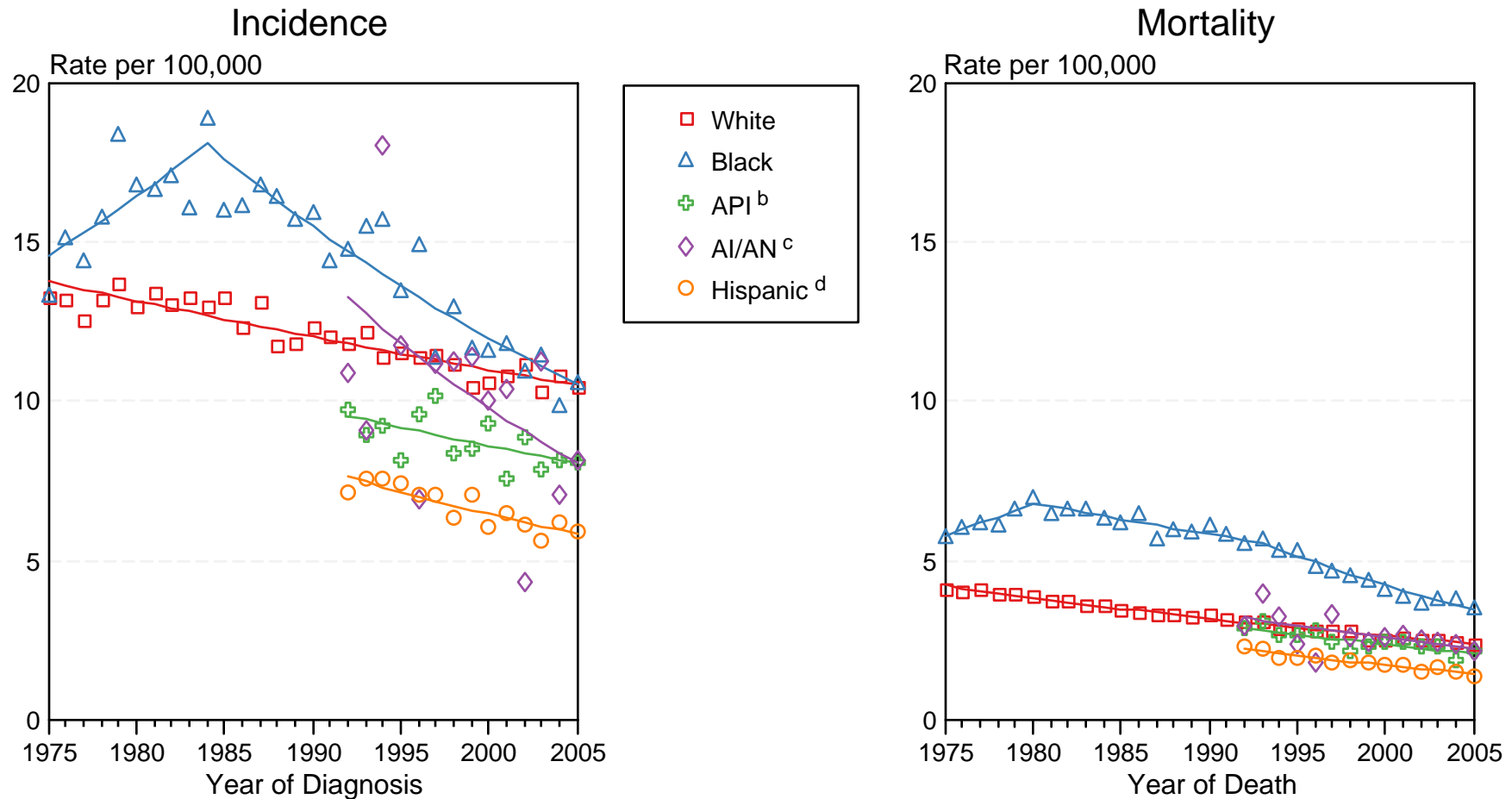


Figure XX-2

Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta). Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Mortality data are from US Mortality Files, National Center for Health Statistics, CDC.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute.

<sup>b</sup> API = Asian/Pacific Islander.

<sup>c</sup> AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

<sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table XXI-8  
OVARY CANCER (Invasive)

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

<u>SEER Incidence</u>	Rate 2001-2005 <sup>b</sup>		Seer 13 Areas <sup>c</sup>		SEER 9 Areas <sup>d</sup>	
	Rate per 100,000 persons		Trend 1996-2005		Trend 1996-2005	
			AAPC (%)		AAPC (%)	
RACE/ETHNICITY	Females		Females		Females	
All Races	13.3		-1.5*		-1.7*	
White	14.1		-1.6*		-1.9*	
White Hispanic <sup>e</sup>	12.1		-0.5		-	
White Non-Hispanic <sup>e</sup>	14.5		-1.7*		-	
Black	10.1		-0.6		-0.5*	
Asian/Pacific Islander	9.8		-0.1		-	
Amer Ind/Alaska Nat <sup>f</sup>	11.3		-		-	
Hispanic <sup>e</sup>	11.7		-0.3		-	
<u>U.S. Mortality<sup>g</sup></u>	Rate 2001-2005		Trend 1996-2005 <sup>h</sup>			
	Rate per 100,000 persons		AAPC (%)			
RACE/ETHNICITY	Females		Females			
All Races	8.8		-0.5*			
White	9.2		-0.4*			
White Hispanic <sup>e</sup>	6.3		-0.4			
White Non-Hispanic <sup>e</sup>	9.4		-0.2			
Black	7.5		-0.5*			
Asian/Pacific Islander	4.9		0.2			
Amer Ind/Alaska Nat						
Total U.S.	5.7		-0.1			
CHSDA Counties	7.5		1.0			
Non-CHSDA Counties	3.4		-			
Hispanic <sup>e</sup>	6.0		-0.4			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute.

Statistic not shown. Rate based on less than 16 cases for the time interval. Trend based on less than 10 cases for at least one year within the time interval.

Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

Incidence data used in calculating the 2001-2005 rates are from the SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey).

The SEER 13 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1992-2005.

The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1975-2005.

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 are based on NHIA and exclude cases from the Alaska Native Registry and Kentucky. The 2001-2005 Hispanic and Non-Hispanic death rates exclude deaths from Minnesota, New Hampshire and North Dakota. The 1996-2005 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.

Incidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

US Mortality Files, National Center for Health Statistics, CDC.

The 1996-2005 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2005.

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

Table XXI-9  
OVARY CANCER (Invasive)

AGE-ADJUSTED SEER INCIDENCE RATES<sup>a</sup>  
By Registry, Race/Ethnicity and Age

	All Races			Whites			Blacks		
	All Ages	Ages <65	Ages 65+	All Ages	Ages <65	Ages 65+	All Ages	Ages <65	Ages 65+
<u>SEER INCIDENCE RATES<sup>a</sup>, 2001-2005</u>									
REGISTRY									
Atlanta & Rural Georgia	12.9	7.5	49.8	13.6	7.7	54.1	11.6	7.5	40.1
Atlanta	12.8	7.5	49.0	13.5	7.7	53.4	11.5	7.5	38.8
Rural Georgia	14.0	7.2	61.0	13.7	-	65.8	13.8	-	-
California	13.2	8.2	47.9	14.0	8.6	51.7	9.4	5.7	35.1
Greater Bay Area	13.0	8.4	44.5	13.8	8.5	50.6	9.3	6.4	29.2
San Francisco-Oakland	13.3	8.6	45.2	14.1	8.6	51.8	9.5	6.6	29.8
San Jose-Monterey	12.5	8.0	43.1	13.4	8.3	48.5	-	-	-
Los Angeles	13.2	8.4	46.3	14.3	9.0	51.3	9.6	5.5	37.7
Greater California	13.3	8.0	49.9	13.9	8.4	52.1	9.2	5.5	35.1
Connecticut	13.8	8.7	48.6	14.3	9.2	49.6	7.4	4.4	28.4
Detroit	13.4	8.2	49.8	14.5	9.2	51.3	10.7	5.6	46.3
Hawaii	10.7	7.3	33.8	13.0	8.4	45.0	-	-	-
Iowa	13.6	8.4	49.4	13.6	8.4	49.6	-	-	-
Kentucky	12.3	7.7	44.1	12.5	7.8	44.9	9.2	5.8	32.8
Louisiana	11.9	6.6	48.5	12.7	7.2	50.2	10.2	5.3	44.1
New Jersey	14.9	9.6	51.4	15.7	10.3	53.4	10.6	6.0	42.0
New Mexico	12.7	7.7	47.0	12.9	7.9	47.4	-	-	-
Seattle-Puget Sound	14.9	8.2	60.5	15.4	8.5	63.2	9.3	5.2	-
Utah	13.2	7.6	51.6	13.3	7.7	52.3	-	-	-
9 SEER Areas <sup>b</sup>	13.4	8.2	49.4	14.1	8.5	52.5	10.3	6.1	39.1
11 SEER Areas <sup>b</sup>	13.3	8.2	48.4	14.1	8.6	52.0	10.1	6.0	38.5
13 SEER Areas <sup>b</sup>	13.3	8.2	48.4	14.1	8.6	52.1	10.1	6.0	38.8
17 SEER Areas <sup>b</sup>	13.3	8.2	48.9	14.1	8.6	51.7	10.1	5.8	39.6

Ovary excludes borderline cases or histologies 8442, 8451, 8462, 8472, and 8473.

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

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.

The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Table XXI-10  
OVARY CANCER (Invasive)

AGE-ADJUSTED SEER DEATH RATES<sup>a</sup>  
By Registry, Race/Ethnicity and Age

	All Races			Whites			Blacks		
	All Ages	Ages <50	Ages 50+	All Ages	Ages <50	Ages 50+	All Ages	Ages <50	Ages 50+
<u>SEER DEATH RATES<sup>a</sup>, 2001-2005</u>									
REGISTRY									
Atlanta & Rural Georgia	8.9	3.0	49.1	9.5	3.1	53.3	7.7	3.1	39.6
Atlanta	8.8	3.0	49.3	9.5	3.0	54.0	7.6	3.1	38.5
Rural Georgia	9.7	-	45.5	10.2	-	-	-	-	-
California	8.9	3.7	45.1	9.6	4.0	48.9	7.4	2.9	38.9
Greater Bay Area	8.4	3.5	41.9	9.5	3.8	48.3	7.0	2.9	34.9
San Francisco-Oakland	8.6	3.7	42.7	9.8	4.0	49.8	7.1	3.1	34.7
San Jose-Monterey	7.8	3.2	40.1	8.8	3.6	45.4	-	-	-
Los Angeles	9.0	3.8	44.6	9.9	4.1	49.6	8.3	3.2	43.5
Greater California	9.1	3.7	46.5	9.6	3.9	48.8	6.5	2.5	34.2
Connecticut	8.4	3.3	43.7	8.8	3.6	44.9	4.9	-	26.1
Detroit	8.9	3.8	43.9	9.2	3.9	45.5	8.1	3.5	40.0
Hawaii	7.0	3.3	32.5	9.9	4.3	48.7	-	-	-
Iowa	9.4	3.6	49.6	9.5	3.6	50.0	-	-	-
Kentucky	8.7	3.9	42.1	8.9	4.0	42.9	6.0	-	31.5
Louisiana	8.3	3.2	43.6	8.5	3.3	44.6	8.0	3.2	41.6
New Jersey	9.4	4.1	46.1	9.8	4.3	48.4	7.7	3.7	34.8
New Mexico	8.2	3.2	42.9	8.2	3.1	43.6	-	-	-
Seattle-Puget Sound	10.5	3.5	58.7	11.0	3.7	61.8	9.3	-	-
Utah	8.7	3.6	44.2	8.8	3.7	44.6	-	-	-
9 SEER Areas <sup>b</sup>	8.9	3.5	46.3	9.4	3.6	49.6	7.4	3.1	37.5
11 SEER Areas <sup>b</sup>	8.9	3.5	45.6	9.5	3.7	49.4	7.6	3.1	39.1
13 SEER Areas <sup>b</sup>	8.8	3.5	45.5	9.5	3.7	49.2	7.6	3.1	39.2
17 SEER Areas <sup>b</sup>	8.9	3.6	45.5	9.5	3.8	48.3	7.5	3.1	38.2
Total U.S.	8.8	3.7	44.7	9.2	3.8	46.2	7.5	3.1	37.7

<sup>a</sup> US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention. Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.

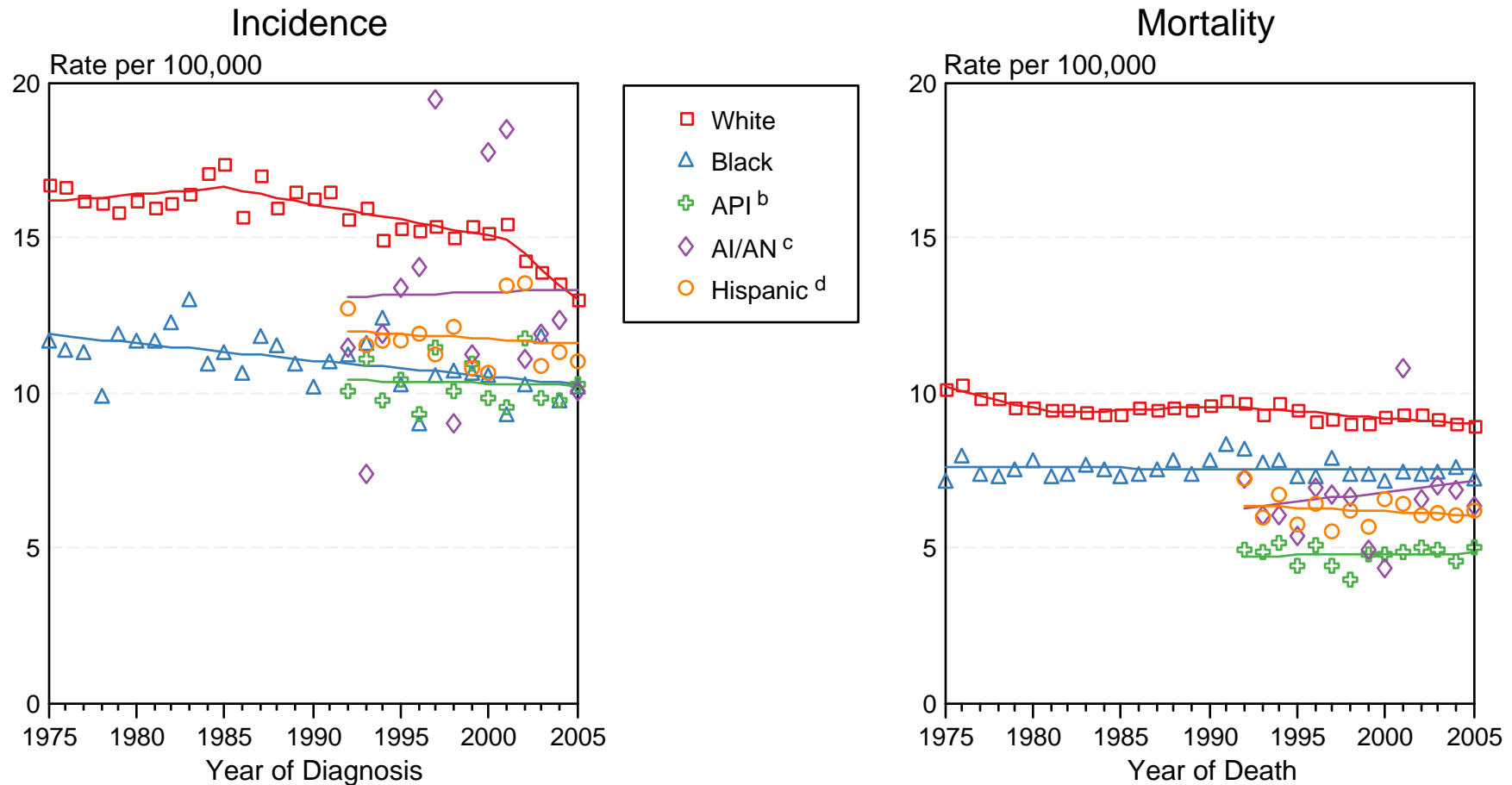
The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

# SEER Incidence and US Death Rates<sup>a</sup> Ovary Cancer

Joinpoint Analyses for Whites and Blacks from 1975-2005  
and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2005



Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta). Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Ovary excludes borderline cases or histologies 8442, 8451, 8462, 8472, and 8473. Mortality data are from US Mortality Files, National Center for Health Statistics, CDC.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute.

<sup>b</sup> API = Asian/Pacific Islander.

<sup>c</sup> AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

<sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table XXII-10  
PANCREAS CANCER (Invasive)

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

<u>SEER Incidence</u>	Rate 2001-2005 <sup>b</sup>			Seer 13 Areas <sup>c</sup> Trend 1996-2005 AAPC (%)			SEER 9 Areas <sup>d</sup> Trend 1996-2005 AAPC (%)		
	Rate per 100,000 persons			Total	Males	Females	Total	Males	Females
	Total	Males	Females	Total	Males	Females	Total	Males	Females
RACE/ETHNICITY									
All Races	11.5	13.0	10.3	0.2	0.0	0.2	0.4*	0.3	-0.1
White	11.4	13.0	10.0	0.4*	0.3*	0.3*	0.5*	0.6*	0.2
White Hispanic <sup>e</sup>	10.8	11.2	10.5	-0.2	-0.3	-0.2	-	-	-
White Non-Hispanic <sup>e</sup>	11.5	13.3	10.1	0.5*	0.4*	0.4*	-	-	-
Black	15.2	16.2	14.3	-0.3	-1.3*	-0.7	-0.3*	-0.7*	0.0
Asian/Pacific Islander	9.0	10.1	8.2	-0.1	-0.9	-0.2	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	9.3	10.9	8.2	-	-	-	-	-	-
Hispanic <sup>e</sup>	10.6	10.9	10.3	-0.1	-0.2	-0.1	-	-	-
<u>U.S. Mortality<sup>g</sup></u>									
	Rate 2001-2005			Trend 1996-2005 <sup>h</sup>					
	Rate per 100,000 persons			AAPC (%)					
	Total	Males	Females	Total	Males	Females			
RACE/ETHNICITY									
All Races	10.6	12.2	9.3	0.4	0.1	0.0			
White	10.4	12.1	9.0	0.5*	0.2*	0.2*			
White Hispanic <sup>e</sup>	8.6	9.4	7.9	0.5	-0.4	0.4			
White Non-Hispanic <sup>e</sup>	10.5	12.3	9.1	0.5*	0.5*	0.2*			
Black	13.7	15.4	12.4	-0.9*	-1.2*	-0.7*			
Asian/Pacific Islander	7.4	8.0	6.9	-0.3	-1.1*	0.6			
Amer Ind/Alaska Nat									
Total U.S.	6.6	7.0	6.2	0.9	2.6*	0.0			
CHSDA Counties	7.8	8.6	7.2	1.8	3.7*	0.7			
Non-CHSDA Counties	5.0	5.1	4.9	-0.2	-	-			
Hispanic <sup>e</sup>	8.3	9.1	7.6	0.5	-0.4	0.4			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute.

- Statistic not shown. Rate based on less than 16 cases for the time interval. Trend based on less than 10 cases for at least one year within the time interval.

a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

b Incidence data used in calculating the 2001-2005 rates are from the SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey).

c The SEER 13 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1992-2005.

d The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1975-2005.

e 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 are based on NHIA and exclude cases from the Alaska Native Registry and Kentucky. The 2001-2005 Hispanic and Non-Hispanic death rates exclude deaths from Minnesota, New Hampshire and North Dakota. The 1996-2005 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.

f Incidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

g US Mortality Files, National Center for Health Statistics, CDC.

h The 1996-2005 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2005.

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



Table XXII-11  
PANCREAS CANCER (Invasive)

AGE-ADJUSTED SEER INCIDENCE RATES<sup>a</sup>  
 By Registry, Race and Sex

	<u>All Races</u>			<u>Whites</u>			<u>Blacks</u>		
	<u>Total</u>	<u>Males</u>	<u>Females</u>	<u>Total</u>	<u>Males</u>	<u>Females</u>	<u>Total</u>	<u>Males</u>	<u>Females</u>
<u>SEER INCIDENCE RATES<sup>a</sup>, 2001-2005</u>									
<u>REGISTRY</u>									
Atlanta & Rural Georgia	10.5	12.3	9.2	9.7	11.7	8.3	12.9	13.8	11.9
Atlanta	10.4	12.4	8.9	9.6	11.6	8.1	12.7	14.4	11.4
Rural Georgia	13.5	11.8	14.0	12.7	12.5	11.8	15.5	-	18.4
California	11.0	12.3	10.0	11.1	12.5	10.0	15.3	15.1	14.9
Greater Bay Area	10.9	11.9	9.9	11.2	12.5	10.1	15.1	13.5	15.8
San Francisco-Oakland	10.9	11.9	10.0	11.1	12.5	9.9	15.2	13.2	16.3
San Jose-Monterey	10.9	11.9	9.9	11.3	12.4	10.3	15.6	16.3	-
Los Angeles	10.8	11.8	10.0	10.9	11.9	10.0	14.8	14.9	14.3
Greater California	11.2	12.6	9.9	11.2	12.8	9.9	16.1	16.6	15.2
Connecticut	12.8	15.0	11.1	12.5	14.7	10.8	17.8	21.7	15.2
Detroit	13.6	15.6	11.8	12.9	15.1	10.9	16.6	18.5	15.3
Hawaii	11.8	12.9	10.8	10.7	11.7	10.2	-	-	-
Iowa	11.1	12.7	9.8	11.0	12.6	9.6	26.4	21.5	29.6
Kentucky	10.9	12.6	9.6	10.7	12.4	9.4	14.2	17.0	12.2
Louisiana	13.0	14.7	11.6	11.9	13.6	10.5	16.4	18.4	14.9
New Jersey	12.2	13.9	10.8	12.2	14.1	10.7	13.5	13.8	13.1
New Mexico	10.3	11.3	9.5	10.5	11.5	9.6	-	-	-
Seattle-Puget Sound	11.6	13.1	10.4	11.5	13.0	10.2	18.9	20.4	18.4
Utah	9.5	11.2	8.1	9.6	11.3	8.1	-	-	-
9 SEER Areas <sup>b</sup>	11.6	13.1	10.3	11.3	13.0	9.9	15.6	16.7	14.6
11 SEER Areas <sup>b</sup>	11.4	12.8	10.2	11.2	12.7	10.0	15.4	16.2	14.5
13 SEER Areas <sup>b</sup>	11.4	12.8	10.2	11.2	12.8	10.0	15.4	16.1	14.6
17 SEER Areas <sup>b</sup>	11.5	13.0	10.3	11.4	13.0	10.0	15.2	16.2	14.3

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

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.

The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Table XXII-12  
PANCREAS CANCER (Invasive)

AGE-ADJUSTED SEER DEATH RATES<sup>a</sup>  
 By Registry, Race and Sex

	<u>All Races</u>			<u>Whites</u>			<u>Blacks</u>		
	<u>Total</u>	<u>Males</u>	<u>Females</u>	<u>Total</u>	<u>Males</u>	<u>Females</u>	<u>Total</u>	<u>Males</u>	<u>Females</u>
<u>SEER DEATH RATES<sup>a</sup>, 2001-2005</u>									
REGISTRY									
Atlanta & Rural Georgia	10.0	11.9	8.5	8.9	11.0	7.4	12.9	14.4	11.5
Atlanta	9.9	12.1	8.3	8.8	11.1	7.2	13.0	14.8	11.4
Rural Georgia	11.2	9.8	11.5	10.7	9.3	10.7	12.9	-	13.3
California	10.3	11.6	9.2	10.5	11.9	9.3	14.4	14.4	14.0
Greater Bay Area	10.0	10.9	9.3	10.5	11.6	9.4	14.9	13.3	15.6
San Francisco-Oakland	9.9	10.6	9.3	10.3	11.3	9.3	15.1	12.8	16.3
San Jose-Monterey	10.2	11.4	9.2	10.8	12.2	9.6	14.2	16.5	-
Los Angeles	10.3	11.2	9.5	10.4	11.4	9.5	13.6	14.3	12.8
Greater California	10.4	12.0	9.1	10.5	12.3	9.1	15.0	15.3	14.6
Connecticut	11.4	13.3	9.9	11.2	13.1	9.7	15.7	18.8	13.7
Detroit	11.6	13.5	9.9	11.1	13.0	9.5	13.8	16.3	12.0
Hawaii	10.7	11.9	9.6	10.5	12.5	8.8	-	-	-
Iowa	10.4	11.5	9.4	10.2	11.4	9.3	24.0	23.1	24.0
Kentucky	10.4	12.0	9.1	10.2	11.8	8.9	14.2	16.5	12.6
Louisiana	12.1	13.8	10.7	11.3	13.1	9.7	15.1	16.6	13.8
New Jersey	11.1	12.5	10.0	11.2	12.7	9.9	12.7	13.5	12.1
New Mexico	10.0	11.2	8.9	10.2	11.4	9.2	-	-	-
Seattle-Puget Sound	10.7	12.1	9.5	10.7	12.2	9.5	15.9	17.3	15.0
Utah	8.9	10.9	7.3	9.0	11.0	7.3	-	-	-
9 SEER Areas <sup>b</sup>	10.5	12.0	9.3	10.4	11.9	9.1	14.2	15.6	13.0
11 SEER Areas <sup>b</sup>	10.4	11.8	9.3	10.4	11.8	9.2	14.0	15.3	12.9
13 SEER Areas <sup>b</sup>	10.4	11.8	9.3	10.4	11.8	9.2	14.0	15.2	12.9
17 SEER Areas <sup>b</sup>	10.6	12.1	9.4	10.6	12.1	9.3	14.1	15.2	13.0
Total U.S.	10.6	12.2	9.3	10.4	12.1	9.0	13.7	15.4	12.4

<sup>a</sup> US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention. Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.

The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

# SEER Incidence and US Death Rates<sup>a</sup> Pancreas Cancer, Both Sexes

Joinpoint Analyses for Whites and Blacks from 1975-2005

and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2005

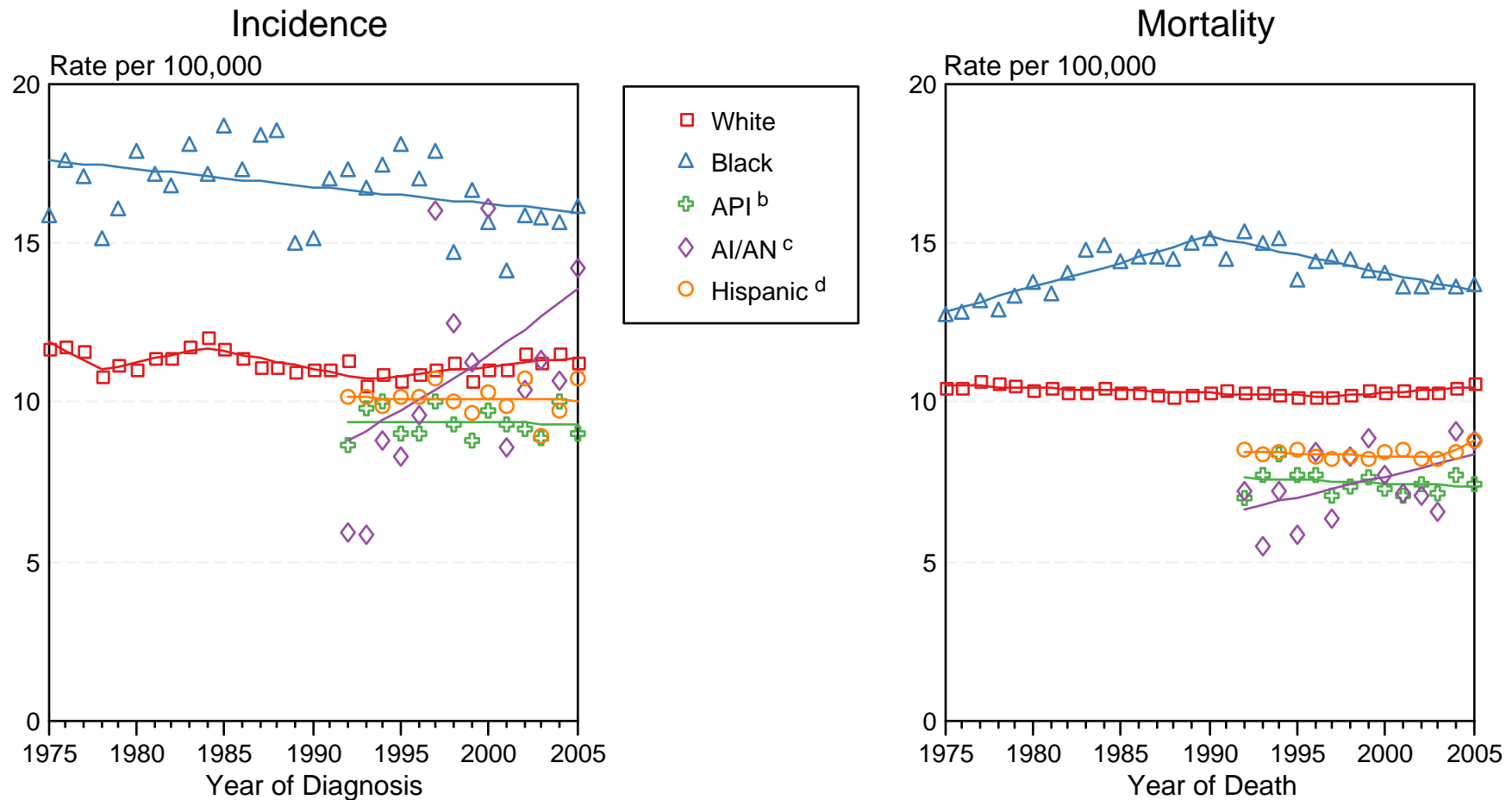


Figure XXII-2

Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta). Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Mortality data are from US Mortality Files, National Center for Health Statistics, CDC.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute.

<sup>b</sup> API = Asian/Pacific Islander.

<sup>c</sup> AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

<sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table XXIII-8  
PROSTATE CANCER (Invasive)

SEER INCIDENCE AND U.S. MORTALITY  
AGE-ADJUSTED RATES AND TRENDS<sup>a</sup>  
 By Race/Ethnicity

<u>SEER Incidence</u>	Rate 2001-2005 <sup>b</sup>		Seer 13 Areas <sup>c</sup>		SEER 9 Areas <sup>d</sup>	
	Rate per 100,000 persons		Trend 1996-2005		Trend 1996-2005	
			AAPC (%)		AAPC (%)	
RACE/ETHNICITY	Males		Males		Males	
All Races	163.0		-1.1*		-0.4	
White	156.7		-1.1		-0.4	
White Hispanic <sup>e</sup>	137.4		-1.3*		-	
White Non-Hispanic <sup>e</sup>	161.5		-1.1		-	
Black	248.5		-2.0		-2.3*	
Asian/Pacific Islander	93.8		-0.2		-	
Amer Ind/Alaska Nat <sup>f</sup>	73.3		-3.1*		-	
Hispanic <sup>e</sup>	138.0		-1.2*		-	
<u>U.S. Mortality<sup>g</sup></u>						
RACE/ETHNICITY	Rate 2001-2005		Trend 1996-2005 <sup>h</sup>			
	Rate per 100,000 persons		AAPC (%)			
	Males		Males			
All Races	26.7		-4.1*			
White	24.6		-4.1*			
White Hispanic <sup>e</sup>	21.0		-3.1*			
White Non-Hispanic <sup>e</sup>	24.6		-4.1*			
Black	59.4		-4.0*			
Asian/Pacific Islander	11.0		-4.4*			
Amer Ind/Alaska Nat						
Total U.S.	17.8		-3.5*			
CHSDA Counties	21.1		-2.7*			
Non-CHSDA Counties	13.4		-4.5*			
Hispanic <sup>e</sup>	20.6		-3.1*			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute.

- Statistic not shown. Rate based on less than 16 cases for the time interval. Trend based on less than 10 cases for at least one year within the time interval.

a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

b Incidence data used in calculating the 2001-2005 rates are from the SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey).

c The SEER 13 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1992-2005.

d The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1975-2005.

e 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 are based on NHIA and exclude cases from the Alaska Native Registry and Kentucky. The 2001-2005 Hispanic and Non-Hispanic death rates exclude deaths from Minnesota, New Hampshire and North Dakota. The 1996-2005 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.

f Incidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

g US Mortality Files, National Center for Health Statistics, CDC.

h The 1996-2005 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2005.

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

Table XXIII-9  
PROSTATE CANCER (Invasive)

AGE-ADJUSTED SEER INCIDENCE RATES<sup>a</sup>  
 By Registry, Race/Ethnicity and Age

	<u>All Races</u>			<u>Whites</u>			<u>Blacks</u>		
	<u>All Ages</u>	<u>Ages &lt;65</u>	<u>Ages 65+</u>	<u>All Ages</u>	<u>Ages &lt;65</u>	<u>Ages 65+</u>	<u>All Ages</u>	<u>Ages &lt;65</u>	<u>Ages 65+</u>
<u>SEER INCIDENCE RATES<sup>a</sup>, 2001-2005</u>									
<u>REGISTRY</u>									
Atlanta & Rural Georgia	175.7	68.6	915.9	151.7	56.7	808.4	260.9	104.6	1341.2
Atlanta	175.4	68.7	912.9	151.7	56.9	806.7	262.3	105.0	1349.6
Rural Georgia	178.2	65.0	960.6	151.9	51.8	843.5	238.9	94.0	1240.5
California	152.5	53.1	839.8	148.6	52.6	812.5	223.1	100.0	1073.9
Greater Bay Area	156.8	56.3	851.6	163.5	58.9	886.0	203.9	96.6	945.8
San Francisco-Oakland	155.8	57.2	837.4	159.3	58.5	856.3	204.3	98.3	937.0
San Jose-Monterey	159.1	54.5	882.2	171.3	59.7	942.2	210.3	85.8	1070.8
Los Angeles	155.2	52.7	863.7	144.4	50.0	796.8	231.0	103.4	1113.3
Greater California	149.7	52.0	825.0	145.9	51.6	797.7	226.3	98.7	1108.2
Connecticut	166.6	64.0	875.7	162.1	60.9	862.0	234.3	108.7	1102.2
Detroit	206.1	77.3	1096.6	182.7	65.1	995.5	291.7	121.7	1467.2
Hawaii	129.3	37.7	762.6	147.4	51.0	813.6	181.6	100.8	740.1
Iowa	147.3	49.9	820.5	143.4	48.2	801.1	199.0	95.1	917.0
Kentucky	144.4	49.4	800.8	137.2	45.0	774.6	238.1	97.0	1213.0
Louisiana	180.3	61.1	1004.3	161.0	53.1	907.0	243.5	85.5	1335.2
New Jersey	183.6	66.9	990.2	171.5	62.2	926.6	269.5	108.5	1382.3
New Mexico	149.3	52.8	816.2	154.5	54.9	843.2	144.7	76.8	613.5
Seattle-Puget Sound	171.3	59.3	945.3	174.8	60.9	962.4	250.3	99.6	1291.4
Utah	185.0	63.8	1022.6	187.4	64.9	1033.8	183.7	103.5	738.4
9 SEER Areas <sup>b</sup>	168.2	61.0	908.8	164.5	58.8	895.6	255.9	109.0	1270.8
11 SEER Areas <sup>b</sup>	164.8	58.8	897.3	160.8	57.0	878.0	248.2	107.2	1222.7
13 SEER Areas <sup>b</sup>	164.7	58.8	896.6	160.7	57.0	877.9	248.1	107.0	1223.0
17 SEER Areas <sup>b</sup>	163.0	57.7	890.8	156.7	55.3	857.7	248.5	102.7	1256.4

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

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.

The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Table XXIII-10  
PROSTATE CANCER (Invasive)

AGE-ADJUSTED SEER DEATH RATES<sup>a</sup>  
By Registry, Race/Ethnicity and Age

	All Races			Whites			Blacks		
	All Ages	Ages <65	Ages 65+	All Ages	Ages <65	Ages 65+	All Ages	Ages <65	Ages 65+
<u>SEER DEATH RATES<sup>a</sup>, 2001-2005</u>									
REGISTRY									
Atlanta & Rural Georgia	29.2	1.9	218.1	21.3	1.0	161.6	58.9	4.5	435.0
Atlanta	28.5	1.9	212.9	21.3	1.0	161.6	56.9	4.3	420.2
Rural Georgia	38.5	-	286.3	21.3	-	165.5	77.3	-	562.3
California	25.0	1.8	185.1	25.0	1.7	186.3	57.7	5.9	416.3
Greater Bay Area	23.7	1.5	176.9	24.6	1.5	183.9	57.2	4.9	419.0
San Francisco-Oakland	24.4	1.6	181.7	24.6	1.6	184.1	58.4	5.1	426.8
San Jose-Monterey	22.2	1.2	167.3	24.5	1.4	184.0	47.7	-	352.1
Los Angeles	24.4	2.0	179.4	23.4	1.7	173.0	57.4	6.3	410.9
Greater California	25.6	1.8	190.5	25.8	1.7	192.0	58.8	6.0	423.9
Connecticut	27.0	1.8	201.5	26.1	1.5	196.4	48.8	5.4	349.0
Detroit	27.8	2.1	205.3	23.0	1.6	171.1	50.5	4.5	368.6
Hawaii	18.8	1.0	141.9	29.2	-	221.8	-	-	-
Iowa	27.5	1.8	205.2	27.3	1.7	204.0	57.9	-	422.8
Kentucky	26.9	1.9	199.5	25.2	1.7	187.4	61.4	5.6	447.1
Louisiana	32.2	2.4	238.4	24.5	1.5	183.9	60.0	5.3	438.0
New Jersey	26.2	1.8	195.2	24.0	1.5	179.4	57.7	4.8	423.2
New Mexico	26.9	1.7	201.4	26.8	1.7	200.2	61.5	-	477.5
Seattle-Puget Sound	26.6	1.6	199.0	26.9	1.5	202.0	49.1	5.2	352.4
Utah	26.5	1.6	198.3	26.6	1.6	199.6	-	-	-
9 SEER Areas <sup>b</sup>	26.3	1.7	196.0	25.7	1.5	192.3	53.1	4.6	388.0
11 SEER Areas <sup>b</sup>	25.7	1.8	190.9	25.1	1.6	188.0	54.1	5.0	393.6
13 SEER Areas <sup>b</sup>	25.7	1.8	191.1	25.1	1.6	188.0	54.4	5.0	395.7
17 SEER Areas <sup>b</sup>	26.2	1.8	194.6	25.1	1.6	187.6	56.7	5.2	413.2
Total U.S.	26.7	1.9	198.6	24.6	1.6	183.6	59.4	5.2	433.6

<sup>a</sup> US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention. Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.

The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

# SEER Incidence and US Death Rates<sup>a</sup> Prostate Cancer

Joinpoint Analyses for Whites and Blacks from 1975-2005  
and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2005

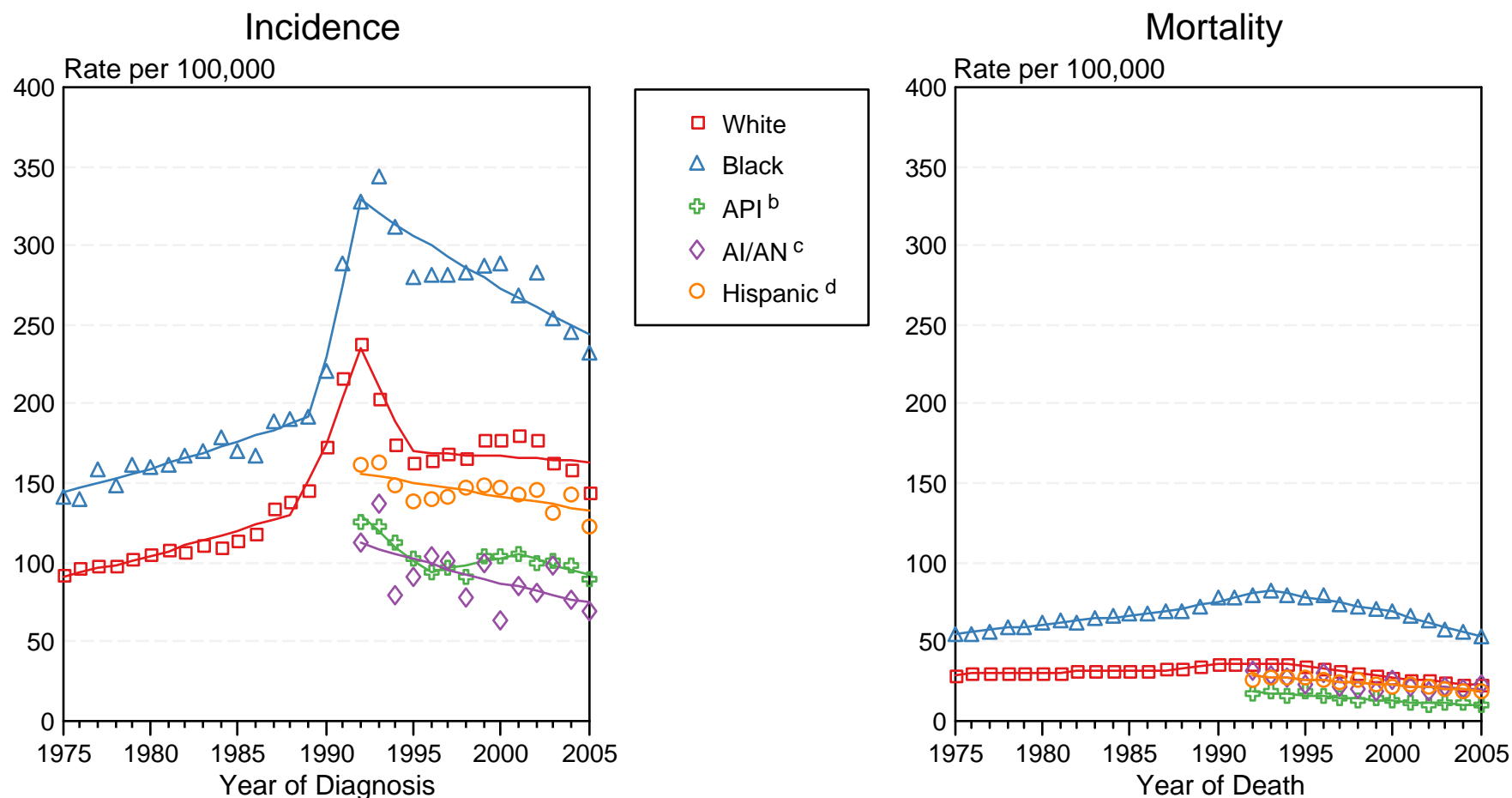


Figure XXIII-3

Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta). Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Mortality data are from US Mortality Files, National Center for Health Statistics, CDC.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute.

<sup>b</sup> API = Asian/Pacific Islander.

<sup>c</sup> AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

<sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table XXIV-10  
STOMACH CANCER (Invasive)

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

SEER Incidence	Rate 2001-2005 <sup>b</sup>			Seer 13 Areas <sup>c</sup> Trend 1996-2005 AAPC (%)			SEER 9 Areas <sup>d</sup> Trend 1996-2005 AAPC (%)		
	Rate per 100,000 persons			Total Males Females			Total Males Females		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
RACE/ETHNICITY									
All Races	8.0	11.3	5.5	-1.5*	-2.0*	-0.9*	-1.6*	-2.1*	-1.6*
White	7.0	10.0	4.7	-1.5*	-2.1*	-0.9*	-1.9*	-1.9*	-2.0*
White Hispanic <sup>e</sup>	12.4	15.9	9.7	-1.9*	-2.8*	-0.9*	-	-	-
White Non-Hispanic <sup>e</sup>	6.3	9.3	4.0	-1.9*	-2.3*	-1.7*	-	-	-
Black	12.4	17.4	8.9	-2.0*	-2.5*	-2.8*	-1.8*	-2.2*	-1.0*
Asian/Pacific Islander	13.9	18.6	10.5	-3.1*	-3.0*	-2.9*	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	11.6	16.8	7.7	1.1	-	-	-	-	-
Hispanic <sup>e</sup>	12.1	15.5	9.5	-1.7*	-2.6*	-0.7	-	-	-
U.S. Mortality <sup>g</sup>									
	Rate 2001-2005			Trend 1996-2005 <sup>h</sup>					
	Rate per 100,000 persons			AAPC (%)					
	Total	Males	Females	Total	Males	Females			
RACE/ETHNICITY									
All Races	4.1	5.7	2.9	-3.1*	-3.7*	-2.7*			
White	3.6	5.0	2.5	-3.2*	-3.7*	-2.8*			
White Hispanic <sup>e</sup>	6.8	9.0	5.2	-2.1*	-2.4*	-1.8*			
White Non-Hispanic <sup>e</sup>	3.3	4.7	2.3	-3.5*	-4.2*	-3.2*			
Black	7.8	11.5	5.5	-3.4*	-3.2*	-2.8*			
Asian/Pacific Islander	7.6	10.1	5.9	-4.0*	-3.7*	-4.1*			
Amer Ind/Alaska Nat									
Total U.S.	4.8	6.7	3.5	-2.3*	-2.1*	-2.6			
CHSDA Counties	7.1	9.9	5.2	-0.9	-1.2	-0.2			
Non-CHSDA Counties	1.9	2.6	1.4	-	-	-			
Hispanic <sup>e</sup>	6.5	8.7	4.9	-2.1*	-2.3*	-1.7*			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute.

Statistic not shown. Rate based on less than 16 cases for the time interval. Trend based on less than 10 cases for at least one year within the time interval.

Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

Incidence data used in calculating the 2001-2005 rates are from the SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey).

The SEER 13 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1992-2005.

The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1975-2005.

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 are based on NHIA and exclude cases from the Alaska Native Registry and Kentucky. The 2001-2005 Hispanic and Non-Hispanic death rates exclude deaths from Minnesota, New Hampshire and North Dakota. The 1996-2005 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.

Incidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

US Mortality Files, National Center for Health Statistics, CDC.

The 1996-2005 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2005.

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



Table XXIV-11  
STOMACH CANCER (Invasive)

AGE-ADJUSTED SEER INCIDENCE RATES<sup>a</sup>  
 By Registry, Race and Sex

	<u>All Races</u>			<u>Whites</u>			<u>Blacks</u>		
	<u>Total</u>	<u>Males</u>	<u>Females</u>	<u>Total</u>	<u>Males</u>	<u>Females</u>	<u>Total</u>	<u>Males</u>	<u>Females</u>
<u>SEER INCIDENCE RATES<sup>a</sup>, 2001-2005</u>									
<u>REGISTRY</u>									
Atlanta & Rural Georgia	6.3	8.6	4.7	4.5	5.9	3.4	10.2	15.0	7.2
Atlanta	6.4	8.5	4.8	4.5	5.8	3.5	10.5	15.1	7.6
Rural Georgia	5.7	10.2	-	5.0	8.6	-	7.4	-	-
California	8.2	11.4	5.8	7.2	10.1	5.0	11.4	15.9	8.2
Greater Bay Area	8.4	11.8	5.9	7.0	9.9	4.7	11.9	17.1	8.0
San Francisco-Oakland	8.5	12.0	5.8	6.9	9.8	4.5	12.0	17.0	8.3
San Jose-Monterey	8.4	11.4	6.2	7.2	10.0	5.1	10.3	19.9	-
Los Angeles	10.3	13.7	7.8	8.8	11.8	6.6	11.7	15.9	8.8
Greater California	7.2	10.1	4.9	6.7	9.5	4.4	10.7	15.2	7.3
Connecticut	8.7	12.8	5.6	8.2	12.2	5.3	14.7	21.7	9.9
Detroit	8.8	12.6	6.0	7.8	11.3	5.0	12.8	17.4	9.8
Hawaii	12.8	17.1	9.4	7.5	11.4	4.3	-	-	-
Iowa	5.5	8.3	3.4	5.4	8.0	3.4	10.6	19.4	-
Kentucky	5.9	8.5	3.8	5.6	8.2	3.5	10.6	13.4	8.4
Louisiana	8.4	11.7	5.9	6.2	9.0	4.1	14.7	20.7	10.8
New Jersey	9.1	13.2	6.1	8.4	12.3	5.5	12.9	18.6	9.2
New Mexico	7.3	10.0	5.1	6.9	9.5	4.7	-	-	-
Seattle-Puget Sound	6.6	9.3	4.5	6.0	8.6	3.8	10.1	15.1	6.5
Utah	5.1	7.2	3.2	4.8	7.0	3.0	-	-	-
9 SEER Areas <sup>b</sup>	7.7	10.9	5.2	6.5	9.5	4.3	12.1	17.0	8.7
11 SEER Areas <sup>b</sup>	8.3	11.6	5.8	7.1	10.0	4.8	11.9	16.7	8.7
13 SEER Areas <sup>b</sup>	8.3	11.6	5.8	7.0	10.0	4.8	11.9	16.7	8.6
17 SEER Areas <sup>b</sup>	8.0	11.3	5.5	7.0	10.0	4.7	12.4	17.4	8.9

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

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.

The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Table XXIV-12  
STOMACH CANCER (Invasive)

AGE-ADJUSTED SEER DEATH RATES<sup>a</sup>  
By Registry, Race and Sex

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>SEER DEATH RATES<sup>a</sup>, 2001-2005</u>									
REGISTRY									
Atlanta & Rural Georgia	3.8	5.3	2.8	2.4	3.0	1.9	7.0	10.8	4.8
Atlanta	3.8	5.2	2.8	2.4	3.0	1.9	7.2	10.9	5.0
Rural Georgia	3.7	5.9	-	-	-	-	-	-	-
California	4.9	6.7	3.6	4.4	5.9	3.2	7.7	11.1	5.3
Greater Bay Area	4.9	6.6	3.7	4.0	5.5	2.9	8.2	11.9	5.5
San Francisco-Oakland	5.0	6.7	3.8	3.9	5.3	2.8	8.7	12.4	6.0
San Jose-Monterey	4.7	6.5	3.5	4.2	5.9	3.0	-	-	-
Los Angeles	6.3	8.5	4.7	5.5	7.4	4.3	7.8	10.7	5.7
Greater California	4.3	5.9	3.1	4.0	5.5	2.9	7.2	11.3	4.3
Connecticut	4.7	6.6	3.3	4.5	6.4	3.0	8.3	11.5	6.3
Detroit	4.6	6.2	3.4	3.8	5.2	2.8	7.5	10.2	5.7
Hawaii	7.3	10.0	5.1	4.1	6.4	2.2	-	-	-
Iowa	2.9	4.2	1.9	2.8	4.1	1.9	-	-	-
Kentucky	3.5	5.0	2.4	3.3	4.8	2.2	6.1	8.0	4.6
Louisiana	5.0	7.4	3.4	3.4	4.9	2.2	10.2	15.5	6.9
New Jersey	4.9	7.1	3.5	4.5	6.5	3.1	8.1	11.7	5.9
New Mexico	4.7	6.7	3.2	4.5	6.3	3.1	-	-	-
Seattle-Puget Sound	3.6	4.8	2.6	3.1	4.2	2.2	6.9	11.4	-
Utah	2.8	3.5	2.2	2.7	3.4	2.2	-	-	-
9 SEER Areas <sup>b</sup>	4.3	5.9	3.1	3.5	4.9	2.5	7.7	11.0	5.4
11 SEER Areas <sup>b</sup>	4.8	6.5	3.5	4.0	5.4	2.9	7.7	10.9	5.5
13 SEER Areas <sup>b</sup>	4.8	6.5	3.5	4.0	5.4	2.9	7.6	10.9	5.4
17 SEER Areas <sup>b</sup>	4.6	6.4	3.3	4.0	5.5	2.8	8.1	11.8	5.6
Total U.S.	4.1	5.7	2.9	3.6	5.0	2.5	7.8	11.5	5.5

<sup>a</sup> US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention. Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.

The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

# SEER Incidence and US Death Rates<sup>a</sup> Stomach Cancer, Both Sexes

Joinpoint Analyses for Whites and Blacks from 1975-2005

and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2005

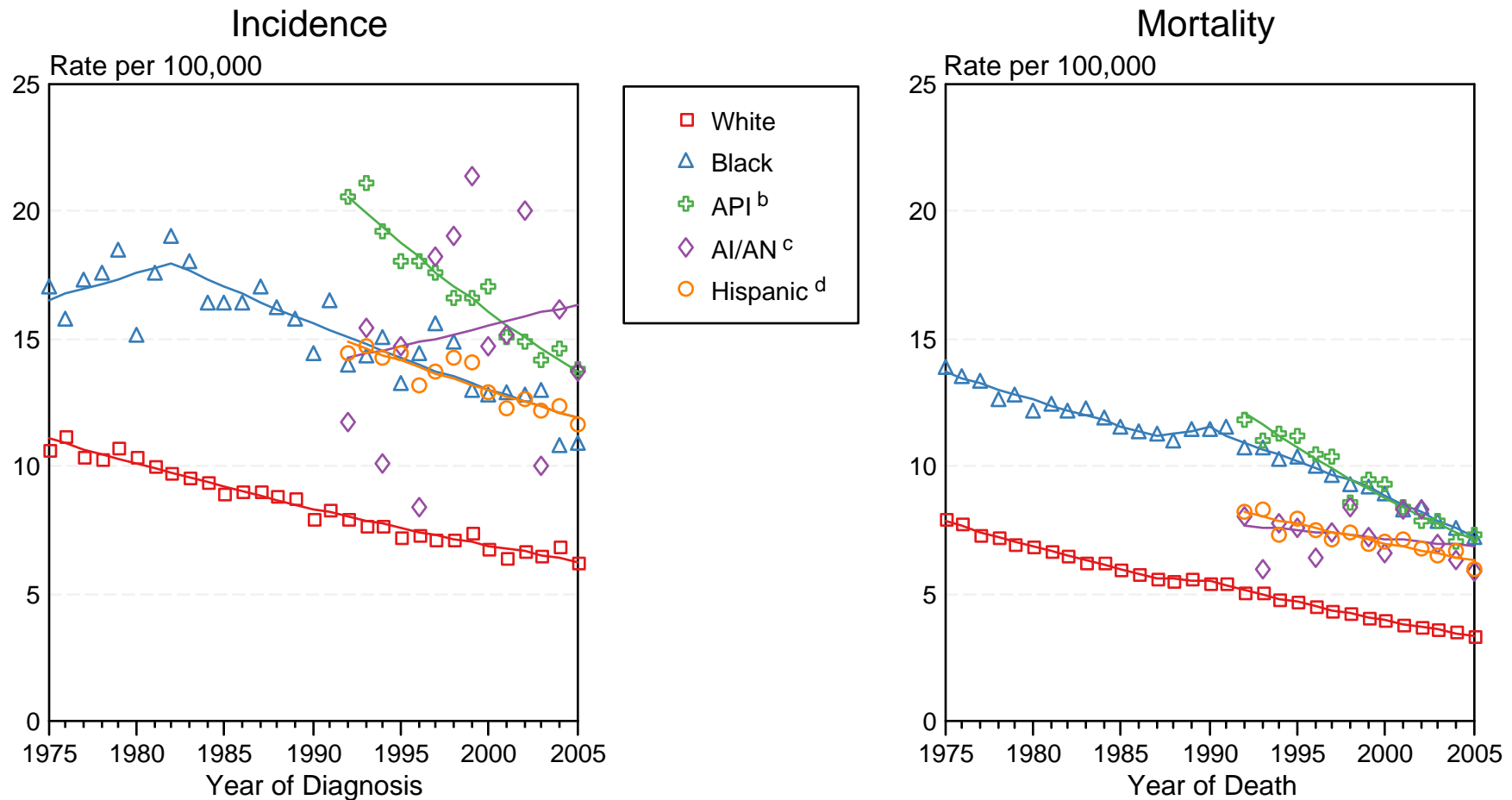


Figure XXIV-2

Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta). Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Mortality data are from US Mortality Files, National Center for Health Statistics, CDC.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute.

<sup>b</sup> API = Asian/Pacific Islander.

<sup>c</sup> AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

<sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table XXV-8  
TESTIS CANCER (Invasive)

SEER INCIDENCE AND U.S. MORTALITY  
AGE-ADJUSTED RATES AND TRENDS<sup>a</sup>  
 By Race/Ethnicity

<u>SEER Incidence</u>	Rate 2001-2005 <sup>b</sup>		Seer 13 Areas <sup>c</sup>		SEER 9 Areas <sup>d</sup>	
	Rate per 100,000 persons		Trend 1996-2005		Trend 1996-2005	
			AAPC (%)		AAPC (%)	
RACE/ETHNICITY	Males		Males		Males	
All Races	5.4		1.1*		0.8*	
White	6.3		1.4*		1.6*	
White Hispanic <sup>e</sup>	4.0		1.4*		-	
White Non-Hispanic <sup>e</sup>	7.3		1.8*		-	
Black	1.4		-2.3		2.0*	
Asian/Pacific Islander	1.7		0.6		-	
Amer Ind/Alaska Nat <sup>f</sup>	4.2		-		-	
Hispanic <sup>e</sup>	3.9		1.4*		-	
<u>U.S. Mortality<sup>g</sup></u>	Rate 2001-2005		Trend 1996-2005 <sup>h</sup>			
	Rate per 100,000 persons		AAPC (%)			
RACE/ETHNICITY	Males		Males			
All Races	0.3		-0.8			
White	0.3		-0.9			
White Hispanic <sup>e</sup>	0.3		-1.4			
White Non-Hispanic <sup>e</sup>	0.3		-0.9*			
Black	0.2		2.4*			
Asian/Pacific Islander	0.1		-			
Amer Ind/Alaska Nat	-		-			
Total U.S.	-		-			
CHSDA Counties	-		-			
Non-CHSDA Counties	-		-			
Hispanic <sup>e</sup>	0.2		-1.3			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute.

- Statistic not shown. Rate based on less than 16 cases for the time interval. Trend based on less than 10 cases for at least one year within the time interval.

a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

b Incidence data used in calculating the 2001-2005 rates are from the SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey).

c The SEER 13 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1992-2005.

d The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1975-2005.

e 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 are based on NHIA and exclude cases from the Alaska Native Registry and Kentucky. The 2001-2005 Hispanic and Non-Hispanic death rates exclude deaths from Minnesota, New Hampshire and North Dakota. The 1996-2005 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.

f Incidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

g US Mortality Files, National Center for Health Statistics, CDC.

h The 1996-2005 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2005.

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

Table XXV-9  
TESTIS CANCER (Invasive)

AGE-ADJUSTED SEER INCIDENCE RATES<sup>a</sup>  
 By Registry, Race/Ethnicity and Age

	<u>All Races</u>			<u>Whites</u>			<u>Blacks</u>		
	<u>All Ages</u>	<u>Ages &lt;50</u>	<u>Ages 50+</u>	<u>All Ages</u>	<u>Ages &lt;50</u>	<u>Ages 50+</u>	<u>All Ages</u>	<u>Ages &lt;50</u>	<u>Ages 50+</u>
<u>SEER INCIDENCE RATES<sup>a</sup>, 2001-2005</u>									
<u>REGISTRY</u>									
Atlanta & Rural Georgia	3.7	4.7	1.2	5.4	6.9	1.5	1.2	1.5	-
Atlanta	3.7	4.7	1.3	5.4	6.9	1.5	1.2	1.5	-
Rural Georgia	-	-	-	-	-	-	-	-	-
California	5.2	6.3	2.2	6.1	7.4	2.5	1.3	1.5	-
Greater Bay Area	5.2	6.4	2.2	6.7	8.3	2.6	1.5	-	-
San Francisco-Oakland	5.0	6.1	2.2	6.5	8.0	2.6	-	-	-
San Jose-Monterey	5.6	6.9	2.2	7.1	8.8	2.5	-	-	-
Los Angeles	4.6	5.7	1.7	5.5	6.8	2.0	1.1	1.4	-
Greater California	5.4	6.5	2.5	6.1	7.4	2.7	1.4	1.6	-
Connecticut	5.8	7.3	1.9	6.5	8.3	1.9	-	-	-
Detroit	5.5	6.8	2.3	7.2	8.9	2.8	1.3	1.5	-
Hawaii	4.7	5.8	1.8	7.7	9.2	-	-	-	-
Iowa	6.8	8.6	2.1	6.9	8.8	2.1	-	-	-
Kentucky	4.9	6.1	1.7	5.2	6.5	1.8	-	-	-
Louisiana	4.7	5.6	2.2	6.3	7.6	2.7	1.6	1.7	-
New Jersey	5.8	7.1	2.3	7.0	8.6	2.6	1.7	2.1	-
New Mexico	5.9	7.6	1.4	6.2	8.1	1.3	-	-	-
Seattle-Puget Sound	6.5	8.1	2.2	7.5	9.4	2.4	-	-	-
Utah	7.0	8.7	2.6	7.3	9.1	2.6	-	-	-
9 SEER Areas <sup>b</sup>	5.6	7.0	2.0	6.8	8.5	2.3	1.2	1.4	-
11 SEER Areas <sup>b</sup>	5.4	6.7	2.0	6.5	8.1	2.2	1.2	1.5	-
13 SEER Areas <sup>b</sup>	5.4	6.7	1.9	6.5	8.1	2.2	1.2	1.5	-
17 SEER Areas <sup>b</sup>	5.4	6.6	2.1	6.3	7.8	2.4	1.4	1.6	0.7

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

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.

The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Table XXV-10  
TESTIS CANCER (Invasive)

AGE-ADJUSTED SEER DEATH RATES<sup>a</sup>  
 By Registry, Race/Ethnicity and Age

	<u>All Races</u>			<u>Whites</u>			<u>Blacks</u>		
	<u>All Ages</u>	<u>Ages &lt;50</u>	<u>Ages 50+</u>	<u>All Ages</u>	<u>Ages &lt;50</u>	<u>Ages 50+</u>	<u>All Ages</u>	<u>Ages &lt;50</u>	<u>Ages 50+</u>
<u>SEER DEATH RATES<sup>a</sup>, 2001-2005</u>									
REGISTRY									
Atlanta & Rural Georgia	-	-	-	-	-	-	-	-	-
Atlanta	-	-	-	-	-	-	-	-	-
Rural Georgia	-	-	-	-	-	-	-	-	-
California	0.3	0.3	0.4	0.4	0.3	0.4	-	-	-
Greater Bay Area	0.3	0.3	-	0.3	0.4	-	-	-	-
San Francisco-Oakland	0.3	0.2	-	0.3	-	-	-	-	-
San Jose-Monterey	0.3	0.4	-	0.4	0.5	-	-	-	-
Los Angeles	0.3	0.3	0.3	0.4	0.4	-	-	-	-
Greater California	0.3	0.3	0.4	0.4	0.3	0.4	-	-	-
Connecticut	0.3	0.3	-	0.3	-	-	-	-	-
Detroit	0.2	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-	-
Iowa	0.3	-	-	0.3	-	-	-	-	-
Kentucky	-	-	-	-	-	-	-	-	-
Louisiana	0.3	0.3	-	0.3	0.3	-	-	-	-
New Jersey	0.2	0.2	-	0.3	0.3	-	-	-	-
New Mexico	-	-	-	-	-	-	-	-	-
Seattle-Puget Sound	0.2	-	-	0.2	-	-	-	-	-
Utah	-	-	-	-	-	-	-	-	-
9 SEER Areas <sup>b</sup>	0.2	0.2	0.3	0.2	0.2	0.3	-	-	-
11 SEER Areas <sup>b</sup>	0.2	0.2	0.3	0.3	0.3	0.3	0.2	-	-
13 SEER Areas <sup>b</sup>	0.2	0.2	0.3	0.3	0.3	0.3	0.2	-	-
17 SEER Areas <sup>b</sup>	0.3	0.2	0.3	0.3	0.3	0.3	0.2	0.1	-
Total U.S.	0.3	0.2	0.3	0.3	0.3	0.3	0.2	0.1	0.3

<sup>a</sup> US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention. Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.

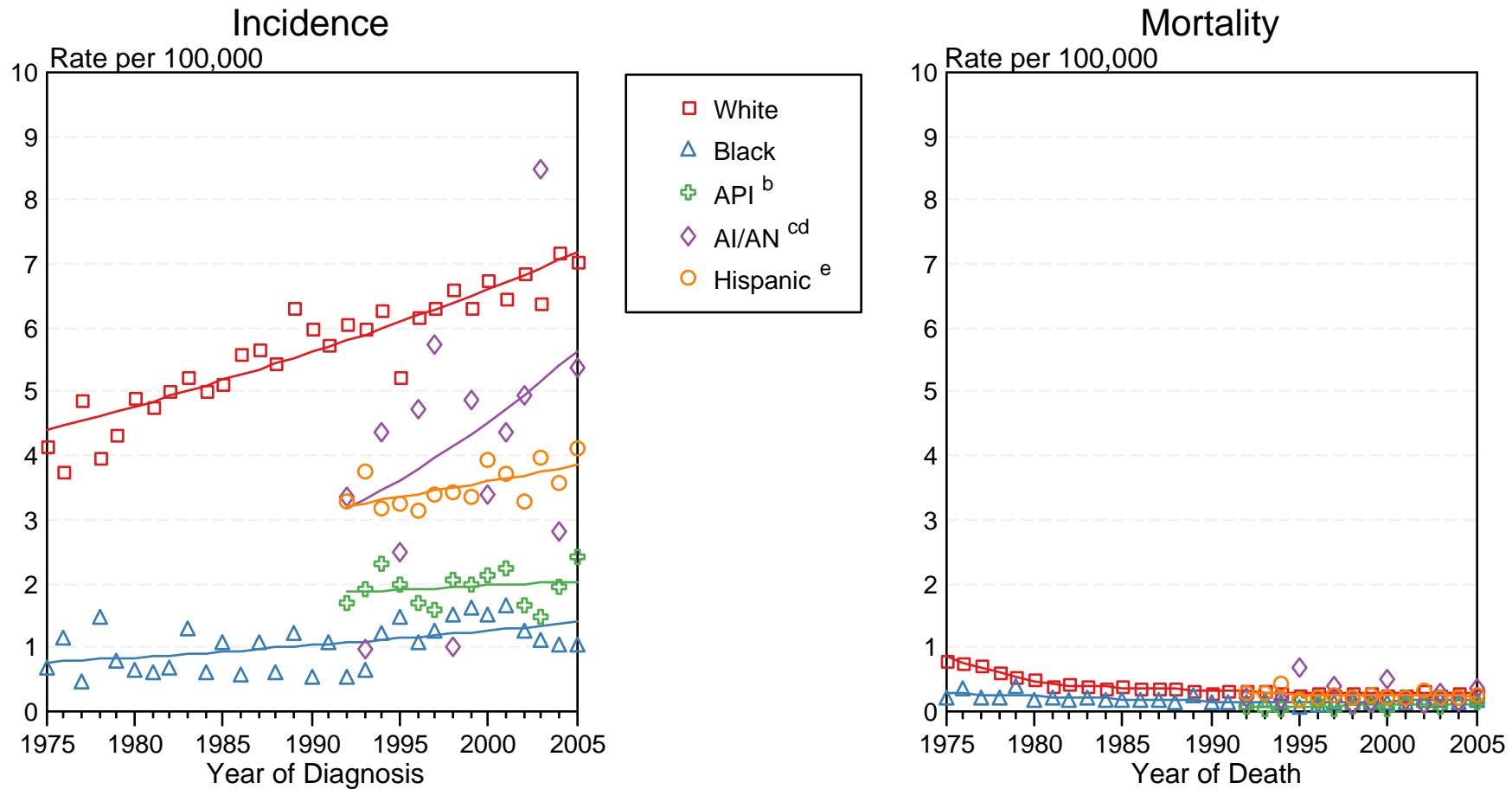
The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

# SEER Incidence and US Death Rates<sup>a</sup> Testis Cancer

Joinpoint Analyses for Whites and Blacks from 1975-2005  
and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2005



Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta). Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Mortality data are from US Mortality Files, National Center for Health Statistics, CDC.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute.

<sup>b</sup> API = Asian/Pacific Islander.

<sup>c</sup> AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

<sup>d</sup> Joinpoint could not fit a regression line for American Indian/Alaska Native Mortality due to insufficient data.

<sup>e</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table XXVI-10  
THYROID CANCER (Invasive)

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

<u>SEER Incidence</u>	Rate 2001-2005 <sup>b</sup>			Seer 13 Areas <sup>c</sup> Trend 1996-2005 AAPC (%)			SEER 9 Areas <sup>d</sup> Trend 1996-2005 AAPC (%)		
	Rate per 100,000 persons			Total Males Females			Total Males Females		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
RACE/ETHNICITY									
All Races	9.1	4.6	13.4	5.5*	5.3*	5.8*	5.9*	5.1*	6.4*
White	9.5	4.9	14.1	5.9*	5.2*	6.3*	6.4*	5.4*	6.8*
White Hispanic <sup>e</sup>	8.2	3.6	12.8	3.3*	2.9*	3.7*	-	-	-
White Non-Hispanic <sup>e</sup>	10.1	5.4	14.8	6.3*	5.7*	6.6*	-	-	-
Black	5.5	2.7	8.0	6.5*	6.7*	5.6*	4.4*	2.3*	4.7*
Asian/Pacific Islander	8.9	4.1	13.3	2.1*	0.8	2.4*	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	5.9	2.9	8.8	2.8	-	-	-	-	-
Hispanic <sup>e</sup>	8.0	3.5	12.5	3.5*	3.1*	3.9*	-	-	-
<u>U.S. Mortality<sup>g</sup></u>									
	Rate 2001-2005			Trend 1996-2005 <sup>h</sup>					
	Rate per 100,000 persons			AAPC (%)					
	Total	Males	Females	Total	Males	Females			
RACE/ETHNICITY									
All Races	0.5	0.5	0.5	0.5*	1.5*	0.5*			
White	0.5	0.5	0.5	0.5*	1.7*	0.4*			
White Hispanic <sup>e</sup>	0.6	0.6	0.6	-0.9	3.0*	-2.7*			
White Non-Hispanic <sup>e</sup>	0.5	0.5	0.4	0.7*	1.8*	0.2			
Black	0.5	0.4	0.5	1.0	1.7	0.9			
Asian/Pacific Islander	0.6	0.4	0.7	-2.7*	-	-2.8*			
Amer Ind/Alaska Nat									
Total U.S.	0.3	-	0.3	-	-	-			
CHSDA Counties	0.4	-	-	-	-	-			
Non-CHSDA Counties	-	-	-	-	-	-			
Hispanic <sup>e</sup>	0.6	0.5	0.6	-1.1	2.8*	-2.9*			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute.

Statistic not shown. Rate based on less than 16 cases for the time interval. Trend based on less than 10 cases for at least one year within the time interval.

Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

Incidence data used in calculating the 2001-2005 rates are from the SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey).

The SEER 13 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1992-2005.

The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1975-2005.

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 are based on NHIA and exclude cases from the Alaska Native Registry and Kentucky. The 2001-2005 Hispanic and Non-Hispanic death rates exclude deaths from Minnesota, New Hampshire and North Dakota. The 1996-2005 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.

Incidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

US Mortality Files, National Center for Health Statistics, CDC.

The 1996-2005 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2005.

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



Table XXVI-11  
 THYROID CANCER (Invasive)

AGE-ADJUSTED SEER INCIDENCE RATES<sup>a</sup>  
 By Registry, Race and Sex

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>SEER INCIDENCE RATES<sup>a</sup>, 2001-2005</u>									
REGISTRY									
Atlanta & Rural Georgia	8.1	4.1	11.9	10.0	5.3	14.9	4.9	2.0	7.3
Atlanta	8.2	4.2	12.0	10.1	5.4	15.0	4.8	1.9	7.2
Rural Georgia	6.6	-	10.2	7.1	-	11.1	-	-	-
California	8.0	4.1	11.8	8.1	4.3	12.1	4.9	2.4	7.1
Greater Bay Area	7.1	3.4	10.9	7.1	3.4	10.9	4.0	2.3	5.5
San Francisco-Oakland	6.7	3.2	10.1	6.6	3.3	10.1	3.7	-	5.5
San Jose-Monterey	7.9	3.6	12.3	7.8	3.6	12.4	5.4	-	-
Los Angeles	8.6	4.5	12.6	9.0	4.8	13.2	5.2	2.5	7.4
Greater California	8.0	4.2	11.8	8.1	4.3	12.0	5.1	2.5	7.7
Connecticut	11.7	5.9	17.2	12.4	6.2	18.3	5.4	2.6	7.7
Detroit	8.9	5.1	12.6	9.9	5.4	14.5	6.3	4.1	8.2
Hawaii	10.6	5.0	16.2	7.5	4.3	11.3	-	-	-
Iowa	9.4	5.3	13.6	9.4	5.3	13.5	6.6	-	-
Kentucky	8.4	4.1	12.7	8.5	4.2	12.7	7.2	-	11.7
Louisiana	7.5	4.0	10.8	8.8	4.8	12.8	4.8	2.0	7.1
New Jersey	11.8	5.8	17.4	12.6	6.2	18.7	6.7	3.2	9.5
New Mexico	12.1	6.0	18.0	12.8	6.5	18.9	-	-	-
Seattle-Puget Sound	9.4	4.8	14.1	9.7	5.1	14.4	6.7	-	10.3
Utah	11.9	6.3	17.5	12.0	6.4	17.7	-	-	-
9 SEER Areas <sup>b</sup>	9.5	4.9	14.0	10.1	5.3	15.0	5.5	2.8	7.7
11 SEER Areas <sup>b</sup>	9.2	4.7	13.5	9.7	5.1	14.4	5.4	2.8	7.6
13 SEER Areas <sup>b</sup>	9.2	4.7	13.5	9.7	5.0	14.4	5.4	2.8	7.6
17 SEER Areas <sup>b</sup>	9.1	4.6	13.4	9.5	4.9	14.1	5.5	2.7	8.0

<sup>a</sup> Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130)  
<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.  
 The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.  
 The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.  
 The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Table XXVI-12  
 THYROID CANCER (Invasive)

AGE-ADJUSTED SEER DEATH RATES<sup>a</sup>  
 By Registry, Race and Sex

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>SEER DEATH RATES<sup>a</sup>, 2001-2005</u>									
REGISTRY									
Atlanta & Rural Georgia	0.4	-	0.4	0.4	-	0.5	-	-	-
Atlanta	0.4	-	0.4	0.4	-	0.5	-	-	-
Rural Georgia	-	-	-	-	-	-	-	-	-
California	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.5
Greater Bay Area	0.5	0.4	0.5	0.4	0.4	0.4	-	-	-
San Francisco-Oakland	0.4	0.4	0.5	0.4	0.4	0.4	-	-	-
San Jose-Monterey	0.5	0.4	0.5	0.3	-	0.4	-	-	-
Los Angeles	0.6	0.5	0.7	0.6	0.6	0.6	0.5	-	-
Greater California	0.5	0.5	0.5	0.5	0.5	0.5	-	-	-
Connecticut	0.5	0.5	0.5	0.5	0.5	0.5	-	-	-
Detroit	0.5	0.5	0.4	0.5	0.5	0.5	-	-	-
Hawaii	0.5	-	0.5	-	-	-	-	-	-
Iowa	0.4	0.5	0.4	0.5	0.5	0.4	-	-	-
Kentucky	0.5	0.5	0.5	0.5	0.5	0.5	-	-	-
Louisiana	0.6	0.4	0.6	0.5	0.5	0.6	0.7	-	0.9
New Jersey	0.5	0.5	0.5	0.5	0.5	0.5	0.4	-	-
New Mexico	0.6	0.6	0.7	0.7	0.7	0.7	-	-	-
Seattle-Puget Sound	0.5	0.4	0.5	0.4	0.4	0.5	-	-	-
Utah	0.4	0.5	0.3	0.4	0.5	0.3	-	-	-
9 SEER Areas <sup>b</sup>	0.5	0.5	0.5	0.5	0.5	0.5	0.3	-	0.4
11 SEER Areas <sup>b</sup>	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.3	0.4
13 SEER Areas <sup>b</sup>	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4
17 SEER Areas <sup>b</sup>	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.3	0.5
Total U.S.	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.5

<sup>a</sup> US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention. Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.

The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

# SEER Incidence and US Death Rates<sup>a</sup> Thyroid Cancer, Both Sexes

Joinpoint Analyses for Whites and Blacks from 1975-2005

and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2005

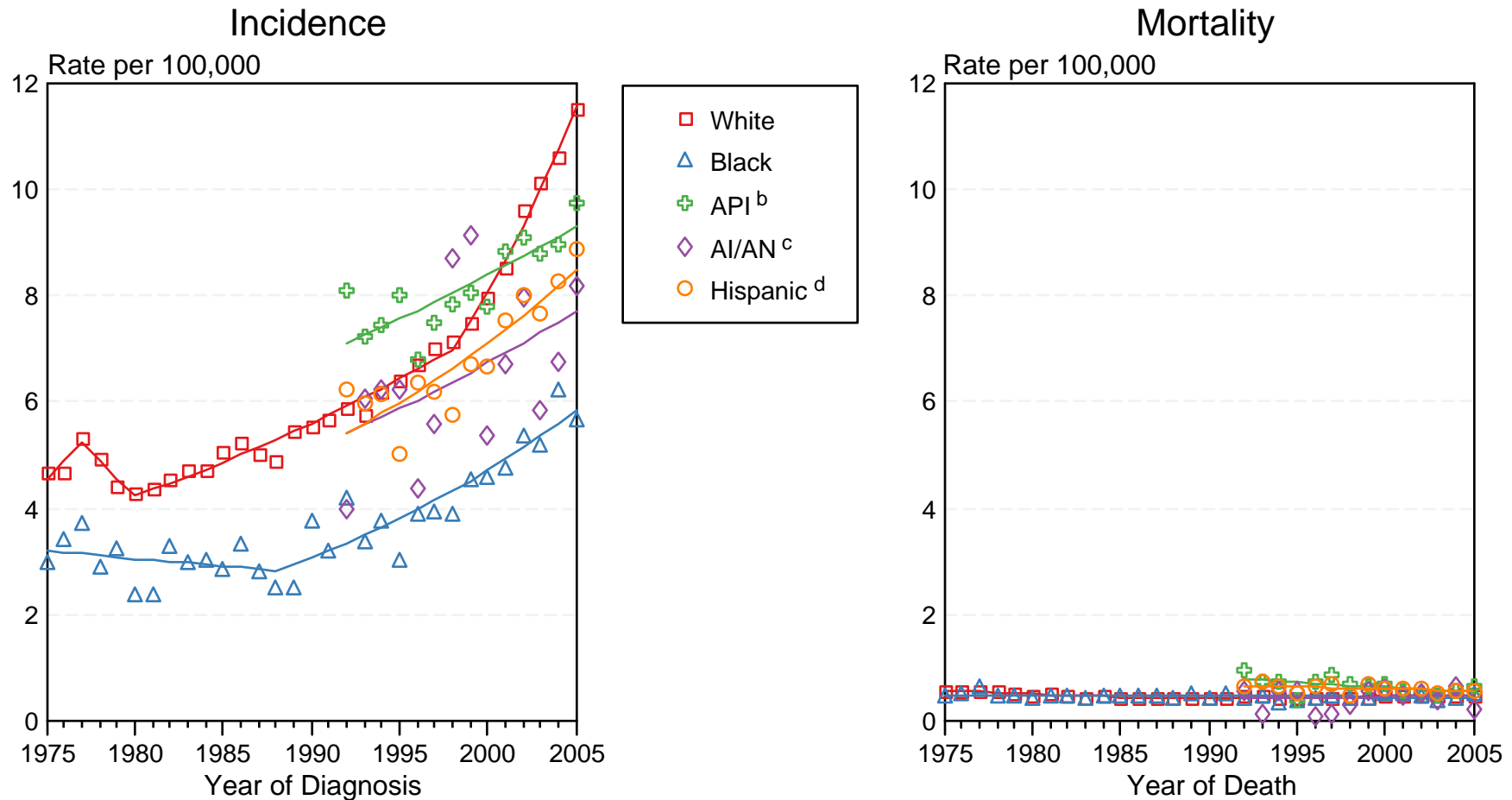


Figure XXVI-2

Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta). Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Mortality data are from US Mortality Files, National Center for Health Statistics, CDC.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute.

<sup>b</sup> API = Asian/Pacific Islander.

<sup>c</sup> AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

<sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table XXVII-10  
URINARY BLADDER CANCER

SEER INCIDENCE (Invasive and *In Situ*) AND U.S. MORTALITY  
AGE-ADJUSTED RATES AND TRENDS<sup>a</sup>  
By Race/Ethnicity and Sex

SEER Incidence	Rate 2001-2005 <sup>b</sup>			Seer 13 Areas <sup>c</sup> Trend 1996-2005 AAPC (%)			SEER 9 Areas <sup>d</sup> Trend 1996-2005 AAPC (%)		
	Rate per 100,000 persons			Total	Males	Females	Total	Males	Females
	Total	Males	Females	Total	Males	Females	Total	Males	Females
RACE/ETHNICITY									
All Races	21.2	37.3	9.4	0.0	-0.1	-0.3*	0.1	0.1	0.1*
White	23.0	40.6	10.0	0.1	0.0	-0.2*	0.3	0.1	0.3*
White Hispanic <sup>e</sup>	11.9	20.5	5.6	-0.5	-0.4	-0.5	-	-	-
White Non-Hispanic <sup>e</sup>	24.6	43.4	10.7	0.3*	0.2	0.0	-	-	-
Black	12.8	20.4	7.7	0.5	0.4	0.6	0.2	0.2	0.4
Asian/Pacific Islander	9.3	16.3	4.1	0.1	0.4	0.0	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	7.1	12.4	3.1	-	-	-	-	-	-
Hispanic <sup>e</sup>	11.7	20.2	5.5	-0.3	-0.4	-0.3	-	-	-
U.S. Mortality <sup>g</sup>									
	Rate 2001-2005			Trend 1996-2005 <sup>h</sup>					
	Rate per 100,000 persons			AAPC (%)					
	Total	Males	Females	Total	Males	Females			
RACE/ETHNICITY									
All Races	4.3	7.5	2.3	-0.2*	-0.5*	-0.6*			
White	4.5	7.9	2.2	0.0	-0.3*	-0.4*			
White Hispanic <sup>e</sup>	2.5	4.1	1.4	-0.2	-0.8	0.5			
White Non-Hispanic <sup>e</sup>	4.6	8.1	2.3	0.2*	0.2	-0.1			
Black	3.7	5.4	2.8	-1.3*	-1.5*	-1.2*			
Asian/Pacific Islander	1.8	2.9	1.0	-1.0	-0.3	-1.7			
Amer Ind/Alaska Nat									
Total U.S.	1.7	2.5	1.2	0.6	-	-			
CHSDA Counties	1.9	2.9	1.2	-	-	-			
Non-CHSDA Counties	1.5	1.9	1.2	-	-	-			
Hispanic <sup>e</sup>	2.4	4.0	1.3	-0.2	-0.7	0.5			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute.

Statistic not shown. Rate based on less than 16 cases for the time interval. Trend based on less than 10 cases for at least one year within the time interval.

Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

Incidence data used in calculating the 2001-2005 rates are from the SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey).

The SEER 13 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1992-2005.

The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta. The 1996-2005 AAPC trends are based on a Joinpoint analysis using diagnosis years 1975-2005.

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 are based on NHIA and exclude cases from the Alaska Native Registry and Kentucky. The 2001-2005 Hispanic and Non-Hispanic death rates exclude deaths from Minnesota, New Hampshire and North Dakota. The 1996-2005 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.

Incidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

US Mortality Files, National Center for Health Statistics, CDC.

The 1996-2005 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2005.

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

Table XXVII-11  
URINARY BLADDER CANCER

AGE-ADJUSTED SEER INCIDENCE RATES<sup>a</sup>  
By Registry, Race and Sex

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>SEER INCIDENCE RATES<sup>a</sup>, 2001-2005</u>									
REGISTRY									
Atlanta & Rural Georgia	16.8	29.7	8.1	19.4	34.8	8.7	10.7	16.2	7.2
Atlanta	16.9	29.6	8.3	19.4	34.6	8.9	11.0	16.3	7.6
Rural Georgia	16.0	32.0	4.9	19.9	39.0	-	7.7	-	-
California	19.4	34.4	8.3	21.2	37.6	9.0	13.5	22.0	7.6
Greater Bay Area	18.7	32.6	8.5	22.0	38.1	10.0	12.4	20.6	6.8
San Francisco-Oakland	18.4	31.8	8.5	22.0	37.9	10.1	11.7	19.2	6.7
San Jose-Monterey	19.3	34.1	8.4	21.9	38.5	9.6	18.8	33.6	-
Los Angeles	18.0	32.5	7.6	19.9	36.0	8.1	14.2	23.7	8.0
Greater California	20.4	35.9	8.7	21.6	38.0	9.1	13.3	20.2	7.8
Connecticut	25.8	44.6	12.5	26.8	46.3	12.9	12.7	19.7	7.9
Detroit	24.3	43.5	11.0	27.1	48.9	11.8	13.3	21.2	8.3
Hawaii	14.6	25.1	6.2	25.2	41.2	11.2	-	-	-
Iowa	22.8	40.6	9.8	22.6	40.3	9.7	9.2	-	-
Kentucky	21.5	38.1	9.8	21.9	39.0	9.9	14.3	22.6	8.8
Louisiana	19.7	35.6	8.7	22.4	40.6	9.4	11.6	19.3	6.7
New Jersey	26.1	45.9	12.2	28.1	49.3	13.0	13.0	19.7	8.8
New Mexico	16.3	28.0	7.0	17.4	29.8	7.5	-	-	-
Seattle-Puget Sound	24.6	43.1	10.6	26.0	45.4	11.1	15.7	23.2	9.1
Utah	16.4	29.1	6.4	16.7	29.5	6.5	-	-	-
9 SEER Areas <sup>b</sup>	21.2	37.2	9.5	23.4	40.9	10.4	12.4	19.6	7.7
11 SEER Areas <sup>b</sup>	20.4	36.0	9.0	22.5	39.8	9.8	13.0	20.9	7.8
13 SEER Areas <sup>b</sup>	20.4	36.0	9.0	22.5	39.8	9.8	12.9	20.8	7.7
17 SEER Areas <sup>b</sup>	21.2	37.3	9.4	23.0	40.6	10.0	12.8	20.4	7.7

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

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.

The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

Table XXVII-12  
URINARY BLADDER CANCER

AGE-ADJUSTED SEER DEATH RATES<sup>a</sup>  
By Registry, Race and Sex

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>SEER DEATH RATES<sup>a</sup>, 2001-2005</u>									
REGISTRY									
Atlanta & Rural Georgia	3.6	5.9	2.2	3.5	6.4	1.8	3.8	4.6	3.5
Atlanta	3.7	6.1	2.3	3.6	6.6	1.8	4.0	4.8	3.6
Rural Georgia	-	-	-	-	-	-	-	-	-
California	4.1	7.1	2.1	4.5	7.8	2.2	4.3	5.9	3.3
Greater Bay Area	3.8	6.7	1.9	4.3	7.7	2.1	4.6	6.2	3.6
San Francisco-Oakland	4.1	6.9	2.2	4.6	7.9	2.4	4.9	6.6	3.8
San Jose-Monterey	3.4	6.3	1.4	3.9	7.1	1.7	-	-	-
Los Angeles	3.8	6.5	1.9	4.2	7.4	2.0	4.1	6.1	2.9
Greater California	4.4	7.5	2.3	4.7	7.9	2.3	4.3	5.4	3.7
Connecticut	4.7	8.4	2.3	4.8	8.7	2.4	2.5	4.7	-
Detroit	4.1	7.3	2.0	4.2	7.8	1.9	3.6	5.3	2.6
Hawaii	2.6	4.2	1.5	3.2	5.2	1.8	-	-	-
Iowa	4.0	7.1	2.1	4.1	7.2	2.2	-	-	-
Kentucky	4.5	7.6	2.5	4.4	7.7	2.4	5.1	7.5	3.8
Louisiana	3.9	6.7	2.2	4.1	7.2	2.1	3.5	5.1	2.6
New Jersey	4.8	8.2	2.7	5.1	8.8	2.7	3.6	4.4	3.1
New Mexico	3.9	6.1	2.2	4.1	6.4	2.4	-	-	-
Seattle-Puget Sound	4.6	8.0	2.3	4.8	8.2	2.3	4.5	-	-
Utah	3.4	6.4	1.1	3.4	6.5	1.2	-	-	-
9 SEER Areas <sup>b</sup>	4.1	7.1	2.1	4.3	7.6	2.1	3.8	5.2	3.0
11 SEER Areas <sup>b</sup>	4.0	6.9	2.0	4.3	7.5	2.1	3.9	5.4	2.9
13 SEER Areas <sup>b</sup>	4.0	6.9	2.0	4.3	7.6	2.1	3.8	5.4	2.9
17 SEER Areas <sup>b</sup>	4.2	7.2	2.2	4.5	7.8	2.2	3.8	5.3	3.0
Total U.S.	4.3	7.5	2.3	4.5	7.9	2.2	3.7	5.4	2.8

<sup>a</sup> US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention. Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.

The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey.

- Statistic not shown. Rate based on less than 16 cases for the time interval.

# SEER Incidence and US Death Rates<sup>a</sup> Urinary Bladder Cancer, Both Sexes

Joinpoint Analyses for Whites and Blacks from 1975-2005

and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2005

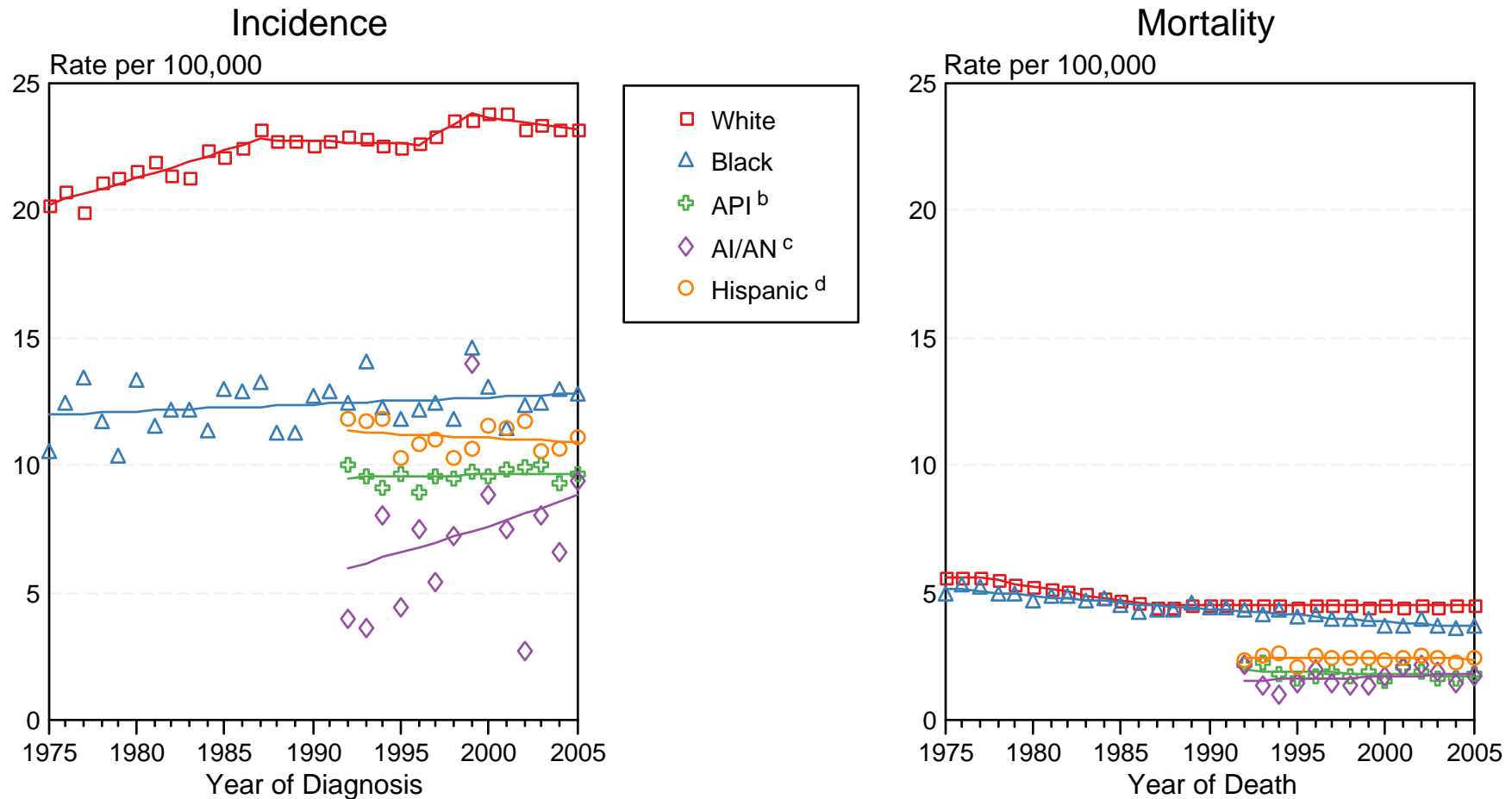


Figure XXVII-2

Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta). Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Mortality data are from US Mortality Files, National Center for Health Statistics, CDC.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute.

<sup>b</sup> API = Asian/Pacific Islander.

<sup>c</sup> AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

<sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

# SEER Incidence and US Death Rates<sup>a</sup> All Cancer Sites, Ages <20, Both Sexes

Joinpoint Analyses for Whites and Blacks from 1975-2005  
and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2005

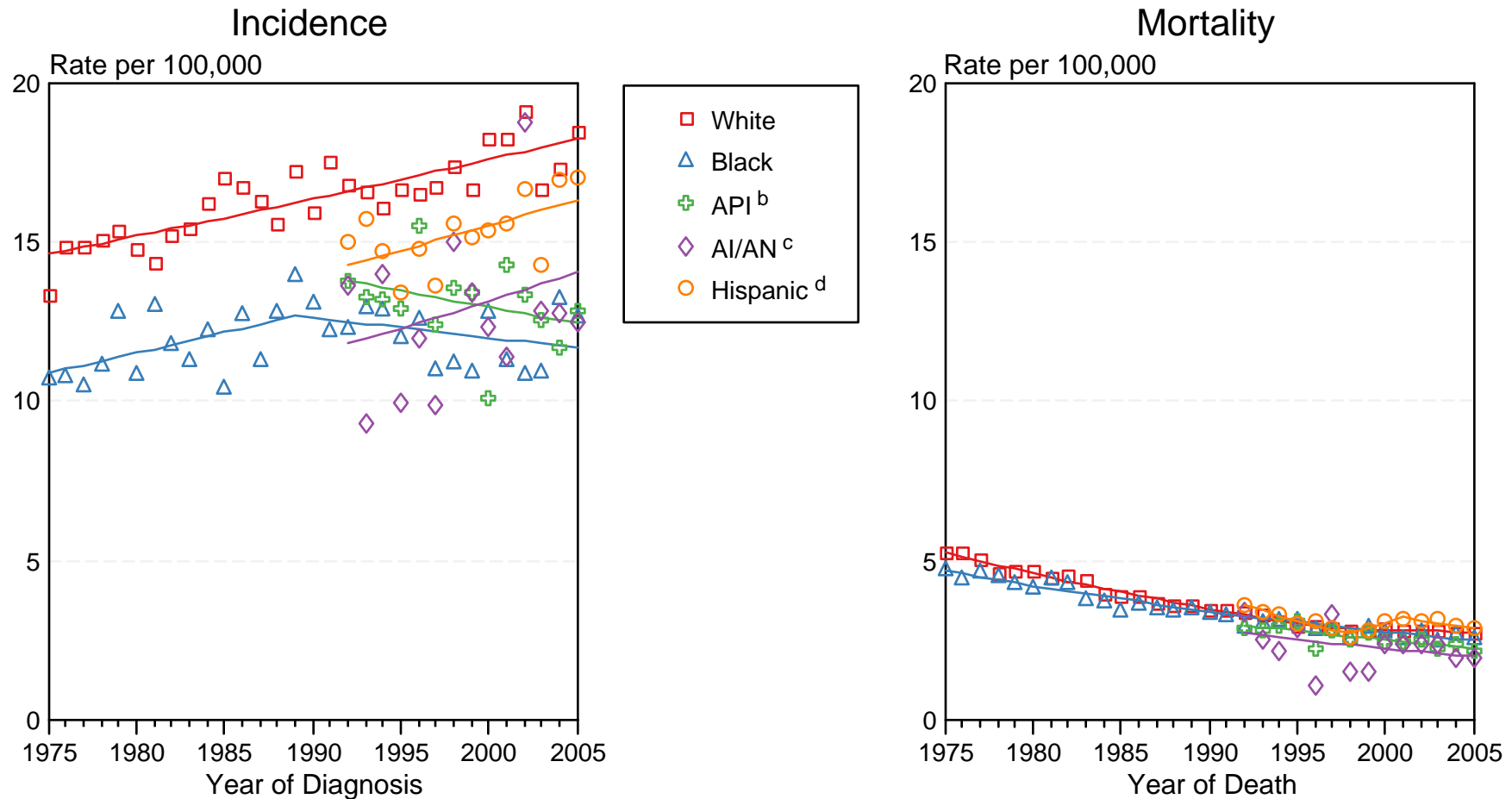


Figure XXVIII-3

Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta). Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Mortality data are from US Mortality Files, National Center for Health Statistics, CDC.

<sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute.

<sup>b</sup> API = Asian/Pacific Islander.

<sup>c</sup> AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

<sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.