

Table 1.23  
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> 2003-2007	APC <sup>c</sup> 1998-2007	Rate <sup>b</sup> 2003-2007	APC <sup>c</sup> 1998-2007	Rate <sup>b</sup> 2003-2007	APC <sup>c</sup> 1998-2007
All Sites	461.6	-0.9*	469.2	-0.9*	489.8	-1.4*
Prostate <sup>f</sup>	69.9	-1.2*	67.9	-2.2*	97.8	-2.8*
Breast	66.5	-1.9*	67.6	-1.3*	73.5	-2.2*
Lung and Bronchus	62.5	-1.5*	63.8	-1.5*	67.8	-0.4
Colon and Rectum	47.9	-2.6*	47.4	-2.8*	58.9	-1.8*
Urinary Bladder	21.1	-0.4*	23.5	2.0*	15.5	0.3
Melanoma of the Skin	20.1	1.6*	22.8	-0.4*	15.4	2.1*
Non-Hodgkin Lymphoma	19.6	0.1	20.5	0.2	14.7	0.4
Kidney and Renal Pelvis	14.1	2.4*	14.5	2.4*	12.8	0.0
Corpus and Uterus, NOS <sup>f</sup>	12.6	-0.7*	13.0	-1.0*	11.9	-2.6*
Leukemia	12.3	-0.8*	12.9	-0.7*	11.8	1.7
Pancreas	11.7	0.7*	11.6	0.8*	11.7	-0.3
Oral Cavity and Pharynx	10.4	-1.1*	10.7	6.3*	10.2	-3.1*
Thyroid	10.2	6.1*	10.5	-0.8*	9.8	-1.0
Stomach	7.8	-1.7*	7.3	-2.0*	8.6	3.6*
Ovary <sup>fh</sup>	7.0	-1.8*	7.1	-0.6	6.2	6.7*
	Asian/Pacific Islander		American Indian/Alaska Native <sup>d</sup>		Hispanic <sup>e</sup>	
	Rate <sup>b</sup> 2003-2007	APC <sup>c</sup> 1998-2007	Rate <sup>b</sup> 2003-2007	APC <sup>c</sup> 1998-2007	Rate <sup>b</sup> 2003-2007	APC <sup>c</sup> 1998-2007
All Sites	310.8	-0.7*	317.7	-0.6	342.5	-1.3*
Breast	49.1	-0.4	45.3	0.8	55.2	-2.2*
Colon and Rectum	39.2	-2.1*	42.1	-1.7	46.0	-1.5*
Prostate <sup>f</sup>	39.0	-1.2	41.4	0.3	37.3	-1.7*
Lung and Bronchus	38.7	-1.0*	34.4	-0.7	32.1	-2.3*
Liver & IBD <sup>g</sup>	14.4	0.6	17.4	3.8*	16.5	-0.2
Stomach	13.2	-3.1*	11.4	-0.4	13.3	1.8*
Non-Hodgkin Lymphoma	12.9	-1.0	10.9	-3.7	11.6	-2.0*
Thyroid	10.1	4.4*	10.6	0.8	11.0	-0.5
Corpus and Uterus, NOS <sup>f</sup>	9.4	1.0	10.3	1.1	10.5	0.5
Urinary Bladder	9.1	-0.2	9.0	0.4	10.5	1.7*
Pancreas	9.1	0.6	7.7	-	9.5	-0.6
Oral Cavity and Pharynx	7.6	-1.3	7.3	-5.2	9.4	0.2
Kidney and Renal Pelvis	7.3	3.6*	6.5	-2.3	8.4	5.1*
Leukemia	7.2	-1.5*	5.9	-1.3	6.1	-5.1*
Ovary <sup>fh</sup>	5.3	-0.2	5.8	-1.6	5.9	-1.8

- <sup>a</sup> Top 15 cancer sites selected based on 2003-2007 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).
- <sup>d</sup> Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). 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.
- <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.
- <sup>h</sup> Ovary excludes borderline cases or histologies 8442, 8451, 8462, 8472, and 8473.
- \* The APC is significantly different from zero (p<.05).
- 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.

Table 1.24  
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>	APC <sup>c</sup>		Rate <sup>b</sup>	APC <sup>c</sup>		Rate <sup>b</sup>	APC <sup>c</sup>
	2003-2007	1998-2007		2003-2007	1998-2007		2003-2007	1998-2007
All Sites	538.9	-1.2*	All Sites	541.5	-1.1*	All Sites	624.0	-2.4*
Prostate	156.9	-1.7*	Prostate	150.4	-1.8*	Prostate	234.6	-3.1*
Lung and Bronchus	76.2	-2.4*	Lung and Bronchus	76.3	-2.4*	Lung and Bronchus	101.2	-3.4*
Colon and Rectum	55.8	-3.0*	Colon and Rectum	55.4	-3.2*	Colon and Rectum	68.1	-2.3*
Urinary Bladder	37.2	-0.5*	Urinary Bladder	40.4	-0.5*	Kidney and Renal Pelvis	21.8	1.9
Melanoma of the Skin	25.6	1.7*	Melanoma of the Skin	29.7	2.0*	Urinary Bladder	20.7	-0.4
Non-Hodgkin Lymphoma	23.6	0.1	Non-Hodgkin Lymphoma	24.6	0.2	Non-Hodgkin Lymphoma	17.8	0.3
Kidney and Renal Pelvis	19.2	2.0*	Kidney and Renal Pelvis	19.7	2.0*	Stomach	16.7	-2.1*
Leukemia	15.8	-1.2*	Leukemia	16.6	-1.0*	Pancreas	16.7	-0.7
Oral Cavity and Pharynx	15.4	-1.3*	Oral Cavity and Pharynx	15.7	-0.9*	Oral Cavity and Pharynx	16.1	-4.1*
Pancreas	13.3	0.5	Pancreas	13.2	0.6*	Myeloma	14.3	-0.1
Stomach	10.9	-1.9*	Stomach	9.6	-2.0*	Liver & IBD <sup>f</sup>	14.0	3.6*
Liver & IBD <sup>f</sup>	10.7	2.6*	Liver & IBD <sup>f</sup>	9.1	2.9*	Leukemia	12.7	-1.1
Esophagus	7.8	-0.9	Brain and ONS <sup>f</sup>	8.4	-0.5	Larynx	10.3	-3.2*
Brain and ONS <sup>f</sup>	7.6	-0.7*	Esophagus	8.0	-0.2	Esophagus	8.9	-4.5*
Myeloma	7.1	-0.4	Myeloma	6.7	-0.4	Brain and ONS <sup>f</sup>	4.7	-0.6
<b>Asian/Pacific Islander</b>			<b>American Indian/Alaska Native<sup>d</sup></b>			<b>Hispanic<sup>e</sup></b>		
	Rate <sup>b</sup>	APC <sup>c</sup>		Rate <sup>b</sup>	APC <sup>c</sup>		Rate <sup>b</sup>	APC <sup>c</sup>
	2003-2007	1998-2007		2003-2007	1998-2007		2003-2007	1998-2007
All Sites	346.5	-1.1*	All Sites	335.8	-1.5	All Sites	394.8	-1.8*
Prostate	90.0	-1.1	Prostate	77.7	-0.7	Prostate	125.8	-2.7*
Lung and Bronchus	52.9	-1.6*	Lung and Bronchus	52.7	-1.2	Colon and Rectum	44.5	-2.3*
Colon and Rectum	45.5	-2.5*	Colon and Rectum	43.4	-1.9	Lung and Bronchus	41.4	-2.8*
Liver & IBD <sup>f</sup>	21.7	0.4	Kidney and Renal Pelvis	21.2	1.6	Urinary Bladder	19.2	-1.1
Stomach	17.5	-2.6*	Stomach	15.5	-2.7	Non-Hodgkin Lymphoma	18.7	-0.5
Urinary Bladder	16.0	0.3	Liver & IBD <sup>f</sup>	14.6	-	Kidney and Renal Pelvis	17.5	1.5*
Non-Hodgkin Lymphoma	15.7	-1.0	Urinary Bladder	13.3	-	Liver & IBD <sup>f</sup>	15.6	2.2*
Oral Cavity and Pharynx	10.5	-1.5	Non-Hodgkin Lymphoma	12.5	-	Stomach	14.8	-2.7*
Pancreas	10.2	1.3	Pancreas	10.6	-	Leukemia	11.2	-0.7
Kidney and Renal Pelvis	10.2	3.1*	Oral Cavity and Pharynx	9.6	-	Pancreas	10.9	1.1
Leukemia	8.8	-2.3*	Leukemia	7.2	-	Oral Cavity and Pharynx	8.7	-2.2
Thyroid	4.4	2.9*	Esophagus	5.2	-	Myeloma	6.3	-0.5
Esophagus	4.1	-2.8*	Myeloma	4.8	-	Brain and ONS <sup>f</sup>	5.9	-0.7
Brain and ONS <sup>f</sup>	4.0	-1.9	Testis	4.3	-	Esophagus	5.1	-2.7
Myeloma	4.0	-1.0	Melanoma of the Skin	4.1	-	Larynx	4.6	-3.0*

- <sup>a</sup> Top 15 cancer sites selected based on 2003-2007 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.
- <sup>f</sup> IBD = Intrahepatic Bile Duct. ONS = Other Nervous System.
- \* The APC is significantly different from zero (p<.05).
- 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.

Table 1.25  
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> 2003-2007	APC <sup>c</sup> 1998-2007	Rate <sup>b</sup> 2003-2007	APC <sup>c</sup> 1998-2007	Rate <sup>b</sup> 2003-2007	APC <sup>c</sup> 1998-2007
All Sites	408.0	-0.8*	419.6	-0.9*	399.1	-0.4
Breast	122.9	-1.7*	126.5	-2.0*	118.3	-0.3
Lung and Bronchus	52.4	-0.5*	54.7	-0.5*	54.8	-0.5
Colon and Rectum	41.7	-2.4*	40.9	-2.6*	52.6	-1.5*
Corpus and Uterus, NOS	23.5	-0.5*	24.4	-0.8*	20.6	1.7
Non-Hodgkin Lymphoma	16.5	0.2	19.1	2.0*	14.4	1.2
Melanoma of the Skin	16.2	1.6*	17.2	0.3	12.3	0.6
Thyroid	15.2	6.5*	16.0	6.7*	10.7	2.2*
Ovary <sup>g</sup>	12.9	-1.6*	13.5	-1.8*	10.2	-0.2
Pancreas	10.5	0.9*	10.3	0.9*	10.1	-5.1*
Kidney and Renal Pelvis	9.9	2.8*	10.2	2.8*	10.0	-0.6
Leukemia	9.6	-0.5	10.0	-0.5	8.9	7.2*
Urinary Bladder	9.2	-0.8*	9.8	-0.8*	8.6	-3.2*
Cervix Uteri	8.1	-3.2*	7.9	-3.0*	7.8	-0.7
Oral Cavity and Pharynx	6.1	-1.1*	6.1	-1.2*	7.6	0.5
Stomach	5.5	-1.7*	6.0	-0.7	5.8	-1.2
	Asian/Pacific Islander		American Indian/Alaska Native <sup>d</sup>		Hispanic <sup>e</sup>	
	Rate <sup>b</sup> 2003-2007	APC <sup>c</sup> 1998-2007	Rate <sup>b</sup> 2003-2007	APC <sup>c</sup> 1998-2007	Rate <sup>b</sup> 2003-2007	APC <sup>c</sup> 1998-2007
All Sites	288.9	-0.3	306.3	0.2	309.2	-0.9*
Breast	90.0	-0.4	76.4	0.2	86.0	-1.2*
Colon and Rectum	34.2	-1.8*	40.4	-1.6	31.6	-1.1*
Lung and Bronchus	28.1	0.1	39.7	3.4	25.4	-1.6*
Corpus and Uterus, NOS	17.3	1.1	16.8	0.5	17.6	0.6
Thyroid	15.2	4.9*	14.1	-	14.5	0.3
Non-Hodgkin Lymphoma	10.8	-0.9	10.9	-1.6	13.3	5.8*
Stomach	10.0	-3.4*	10.6	-	12.0	-4.9*
Ovary <sup>g</sup>	9.8	-0.2	10.1	-	11.0	-1.5
Liver & IBD <sup>f</sup>	8.3	0.8	8.5	-2.6	10.1	0.0
Pancreas	8.3	-0.2	7.7	1.0	10.0	2.1*
Cervix Uteri	7.5	-3.8*	7.3	-	9.1	-1.4*
Leukemia	6.0	-0.6	6.9	-	8.0	-0.7
Oral Cavity and Pharynx	5.3	-1.1	5.9	-	6.0	0.1
Kidney and Renal Pelvis	5.1	4.2*	5.2	-	5.1	-0.1
Urinary Bladder	4.0	-1.3	4.7	-	4.7	-1.3

- <sup>a</sup> Top 15 cancer sites selected based on 2003-2007 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.
- <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).
- 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.

Table 1.26  
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> 2003-2007	APC <sup>c</sup> 1998-2007	Rate <sup>b</sup> 2003-2007	APC <sup>c</sup> 1998-2007	Rate <sup>b</sup> 2003-2007	APC <sup>c</sup> 1998-2007
All Sites	183.8	-1.4*	182.4	-1.3*	224.2	-2.0*
Lung and Bronchus	52.5	-1.2*	52.9	-1.0*	58.6	-1.8*
Colon and Rectum	17.6	-2.9*	17.1	-2.9*	24.7	-2.3*
Breast	13.5	-2.2*	13.1	-2.3*	19.3	-3.8*
Pancreas	10.7	0.3*	10.5	0.4*	19.2	-1.5*
Prostate <sup>f</sup>	9.5	-3.2*	8.8	-3.0*	13.8	-0.4
Leukemia	7.2	-1.0*	7.4	-0.9*	7.3	-3.7*
Non-Hodgkin Lymphoma	6.9	-3.2*	7.2	-3.2*	7.0	2.0*
Liver & IBD <sup>g</sup>	5.2	2.1*	5.0	-0.7*	6.7	-2.0*
Ovary <sup>f</sup>	4.8	-0.8*	4.8	2.2*	6.3	-1.4*
Esophagus	4.4	-0.1	4.6	-1.1*	5.1	-4.5*
Urinary Bladder	4.3	0.0	4.5	0.2	4.8	-2.6*
Brain and ONS <sup>g</sup>	4.3	-1.2*	4.4	0.7*	4.3	0.6
Kidney and Renal Pelvis	4.1	-0.6*	4.2	-0.5	4.3	-0.9
Stomach	3.8	-3.2*	3.3	-3.3*	4.0	-0.4
Myeloma	3.6	-1.3*	3.3	-1.2*	3.7	-0.6
	Asian/Pacific Islander		American Indian/Alaska Native <sup>d</sup>		Hispanic <sup>e</sup>	
	Rate <sup>b</sup> 2003-2007	APC <sup>c</sup> 1998-2007	Rate <sup>b</sup> 2003-2007	APC <sup>c</sup> 1998-2007	Rate <sup>b</sup> 2003-2007	APC <sup>c</sup> 1998-2007
All Sites	110.8	-1.6*	156.7	-0.5	122.1	-1.8*
Lung and Bronchus	26.2	-1.3*	39.7	-0.5	22.1	-2.1*
Colon and Rectum	11.3	-2.3*	15.5	-2.0*	12.7	-2.0*
Liver & IBD <sup>g</sup>	10.1	-1.1	9.9	1.1	8.4	-2.2*
Pancreas	7.4	0.0	8.8	2.2	8.3	-0.1
Stomach	7.2	-3.7*	8.6	2.0	8.0	1.0*
Breast	6.8	-0.9	8.0	-1.1	7.5	-3.1*
Non-Hodgkin Lymphoma	4.4	-3.2*	6.3	-3.5*	6.0	-3.3*
Prostate <sup>f</sup>	4.3	-3.4*	6.0	-1.6	5.3	-3.1*
Leukemia	3.8	-1.6*	4.9	-2.1	4.8	-1.6*
Ovary <sup>f</sup>	2.7	0.8	4.8	1.4	3.6	-0.3
Oral Cavity and Pharynx	2.1	-2.2*	3.8	0.2	3.3	-0.5
Brain and ONS <sup>g</sup>	1.9	-0.2	3.8	0.6	2.9	-1.2
Esophagus	1.9	-1.7	3.5	-2.6	2.8	-0.9
Kidney and Renal Pelvis	1.8	0.1	2.4	-0.4	2.3	-0.5
Myeloma	1.7	-1.0	2.1	0.4	2.2	-2.0*

<sup>a</sup> Top 15 cancer sites selected based on 2003-2007 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 2003-2007 Hispanic death rates do not include deaths from the District of Columbia, New Hampshire and North Dakota.

The 1998-2007 Hispanic mortality trends do not include deaths from the District of Columbia, Maine, Minnesota, New Hampshire and North Dakota.

<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 ( $p < .05$ ).

- 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.

Table 1.27  
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>
	2003-2007	1998-2007		2003-2007	1998-2007		2003-2007	1998-2007
All Sites	225.4	-1.8*	All Sites	222.5	-1.7*	All Sites	296.5	-2.6*
Lung and Bronchus	68.8	-2.1*	Lung and Bronchus	68.3	-1.9*	Lung and Bronchus	87.5	-2.9*
Prostate	24.7	-3.9*	Prostate	22.8	-3.8*	Prostate	54.2	-4.2*
Colon and Rectum	21.2	-3.0*	Colon and Rectum	20.6	-3.1*	Colon and Rectum	30.5	-1.9*
Pancreas	12.3	0.2	Pancreas	12.2	0.4*	Pancreas	15.4	-0.7*
Leukemia	9.7	-0.9*	Leukemia	10.0	-0.8*	Liver & IBD <sup>f</sup>	11.1	2.6*
Non-Hodgkin Lymphoma	8.7	-3.0*	Non-Hodgkin Lymphoma	9.1	-3.0*	Stomach	10.7	-3.5*
Esophagus	7.8	0.2	Urinary Bladder	7.9	0.0	Esophagus	8.9	-4.4*
Liver & IBD <sup>f</sup>	7.7	2.2*	Esophagus	7.9	0.9*	Leukemia	8.4	-1.3*
Urinary Bladder	7.5	-0.1	Liver & IBD <sup>f</sup>	7.0	2.2*	Myeloma	8.1	-1.7*
Kidney and Renal Pelvis	5.9	-0.7*	Kidney and Renal Pelvis	6.0	-0.7*	Oral Cavity and Pharynx	6.3	-3.1*
Stomach	5.3	-3.5*	Brain and ONS <sup>f</sup>	5.6	-1.1*	Non-Hodgkin Lymphoma	6.0	-2.7*
Brain and ONS <sup>f</sup>	5.2	-1.3*	Stomach	4.6	-3.7*	Kidney and Renal Pelvis	6.0	-0.6
Myeloma	4.4	-1.0*	Melanoma of the Skin	4.5	0.5	Urinary Bladder	5.4	-0.3
Melanoma of the Skin	4.0	0.3	Myeloma	4.2	-0.9*	Larynx	4.6	-2.8*
Oral Cavity and Pharynx	3.9	-1.5*	Oral Cavity and Pharynx	3.7	-1.1*	Brain and ONS <sup>f</sup>	3.1	-1.5*
<hr/>			<hr/>			<hr/>		
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>
	2003-2007	1998-2007		2003-2007	1998-2007		2003-2007	1998-2007
All Sites	134.2	-2.0*	All Sites	183.7	-1.0	All Sites	150.5	-2.5*
Lung and Bronchus	36.7	-1.7*	Lung and Bronchus	48.1	-2.2*	Lung and Bronchus	32.5	-3.3*
Liver & IBD <sup>f</sup>	14.7	-1.1*	Prostate	20.0	-1.6	Prostate	18.8	-3.8*
Colon and Rectum	13.2	-3.1*	Colon and Rectum	19.2	-1.8	Colon and Rectum	15.6	-2.6*
Prostate	10.6	-3.1*	Liver & IBD <sup>f</sup>	10.9	2.2	Liver & IBD <sup>f</sup>	11.3	1.0*
Stomach	9.4	-3.6*	Pancreas	9.9	3.5	Pancreas	9.1	-0.4
Pancreas	8.2	0.0	Stomach	9.2	-1.7	Stomach	8.0	-3.7*
Non-Hodgkin Lymphoma	5.5	-2.8*	Kidney and Renal Pelvis	8.8	-0.7	Non-Hodgkin Lymphoma	6.3	-3.4*
Leukemia	4.9	-1.0	Esophagus	6.4	0.0	Leukemia	6.0	-1.7*
Esophagus	3.2	-2.0	Leukemia	5.8	0.1	Kidney and Renal Pelvis	5.2	-0.3
Oral Cavity and Pharynx	3.1	-2.8*	Non-Hodgkin Lymphoma	5.3	-3.7	Esophagus	4.0	-2.1*
Kidney and Renal Pelvis	2.6	0.2	Myeloma	4.2	-0.6	Urinary Bladder	3.9	-0.9
Urinary Bladder	2.6	-2.8*	Oral Cavity and Pharynx	3.5	-3.2	Myeloma	3.3	-1.4
Brain and ONS <sup>f</sup>	2.3	-1.2	Urinary Bladder	3.0	-	Brain and ONS <sup>f</sup>	3.2	-1.3
Myeloma	2.0	-0.1	Brain and ONS <sup>f</sup>	2.7	3.1	Oral Cavity and Pharynx	2.5	-3.8*
Soft Tissue including Heart	1.0	-0.6	Larynx	1.9	-	Larynx	1.8	-4.6*

- <sup>a</sup> Top 15 cancer sites selected based on 2003-2007 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 2003-2007 Hispanic death rates do not include deaths from the District of Columbia, New Hampshire and North Dakota. The 1998-2007 Hispanic mortality trends do not include deaths from the District of Columbia, Maine, Minnesota, New Hampshire and North Dakota.
- <sup>f</sup> IBD = Intrahepatic Bile Duct. ONS = Other Nervous System.
- \* The APC is significantly different from zero (p<.05).
- 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.

Table 1.28  
Age-Adjusted U.S. Death Rates and Trends for the Top 15 Cancer Sites<sup>a</sup> by Race/Ethnicity

## Females

All Races	Rate <sup>b</sup>		APC <sup>c</sup>	All Sites	Rate <sup>b</sup>		APC <sup>c</sup>	All Sites	Rate <sup>b</sup>		APC <sup>c</sup>
	2003-2007	1998-2007			2003-2007	1998-2007			2003-2007	1998-2007	
All Sites	155.4	-1.2*		All Sites	155.0	-1.1*		All Sites	180.6	-1.4*	
Lung and Bronchus	40.6	-0.2		Lung and Bronchus	41.6	-0.1		Lung and Bronchus	39.6	-0.3	
Breast	24.0	-2.0*		Breast	23.4	-2.0*		Breast	32.4	-1.4*	
Colon and Rectum	14.9	-2.9*		Colon and Rectum	14.4	-2.9*		Colon and Rectum	21.0	-2.7*	
Pancreas	9.4	0.3*		Pancreas	9.1	0.4*		Pancreas	12.4	-0.2	
Ovary	8.6	-0.6*		Ovary	8.9	-0.5		Corpus and Uterus, NOS	7.2	0.8*	
Non-Hodgkin Lymphoma	5.5	-3.5*		Non-Hodgkin Lymphoma	5.7	-3.5*		Ovary	7.2	-0.9	
Leukemia	5.4	-1.4*		Leukemia	5.6	-1.3*		Myeloma	5.8	-2.3*	
Corpus and Uterus, NOS	4.1	0.2		Corpus and Uterus, NOS	3.9	0.1		Stomach	5.0	-4.0*	
Brain and ONS <sup>f</sup>	3.5	-1.2*		Brain and ONS <sup>f</sup>	3.8	-1.1*		Leukemia	5.0	-1.5*	
Liver & IBD <sup>f</sup>	3.2	1.4*		Liver & IBD <sup>f</sup>	3.0	1.6*		Cervix Uteri	4.4	-3.5*	
Myeloma	2.9	-1.8*		Kidney and Renal Pelvis	2.7	-0.5*		Non-Hodgkin Lymphoma	3.9	-2.6*	
Stomach	2.7	-3.0*		Myeloma	2.7	-1.6*		Liver & IBD <sup>f</sup>	3.9	0.4	
Kidney and Renal Pelvis	2.7	-0.6*		Stomach	2.4	-3.1*		Urinary Bladder	2.7	-1.1	
Cervix Uteri	2.4	-2.4*		Urinary Bladder	2.2	-0.4		Kidney and Renal Pelvis	2.7	-0.2	
Urinary Bladder	2.2	-0.6*		Cervix Uteri	2.2	-2.2*		Esophagus	2.5	-4.6*	
<b>Asian/Pacific Islander</b>				<b>American Indian/Alaska Native<sup>d</sup></b>				<b>Hispanic<sup>e</sup></b>			
	Rate <sup>b</sup>	APC <sup>c</sup>		Rate <sup>b</sup>	APC <sup>c</sup>		Rate <sup>b</sup>	APC <sup>c</sup>			
	2003-2007	1998-2007		2003-2007	1998-2007		2003-2007	1998-2007			
All Sites	94.1	-1.2*		All Sites	138.0	-0.2		All Sites	102.3	-1.3*	
Lung and Bronchus	18.5	-0.6		Lung and Bronchus	33.3	1.2		Breast	15.3	-1.9*	
Breast	12.2	-1.0		Breast	17.6	1.1		Lung and Bronchus	14.4	-0.4	
Colon and Rectum	9.9	-1.5*		Colon and Rectum	12.9	-2.3		Colon and Rectum	10.5	-1.5*	
Pancreas	6.9	0.1		Pancreas	8.0	1.6		Pancreas	7.5	0.2	
Liver & IBD <sup>f</sup>	6.4	-1.2		Ovary	6.8	0.2		Ovary	6.0	-0.1	
Stomach	5.6	-3.5*		Liver & IBD <sup>f</sup>	6.6	1.4		Liver & IBD <sup>f</sup>	5.2	0.5	
Ovary	4.9	0.6		Non-Hodgkin Lymphoma	4.6	-0.7		Stomach	4.6	-3.0*	
Non-Hodgkin Lymphoma	3.5	-3.4*		Stomach	4.2	-5.9*		Non-Hodgkin Lymphoma	4.4	-2.8*	
Leukemia	2.9	-2.1*		Leukemia	3.9	-		Leukemia	3.9	-1.7*	
Corpus and Uterus, NOS	2.5	1.5		Kidney and Renal Pelvis	3.8	-2.5		Cervix Uteri	3.1	-2.3*	
Cervix Uteri	2.1	-4.6*		Cervix Uteri	3.4	-2.4		Corpus and Uterus, NOS	3.0	-0.9	
Brain and ONS <sup>f</sup>	1.6	1.2		Myeloma	3.0	-4.2		Myeloma	2.5	-1.0	
Myeloma	1.4	-1.8		Corpus and Uterus, NOS	2.9	-		Brain and ONS <sup>f</sup>	2.4	-0.7	
Oral Cavity and Pharynx	1.2	-0.9		Gallbladder	2.4	-		Kidney and Renal Pelvis	2.4	-0.5	
Kidney and Renal Pelvis	1.2	-0.1		Esophagus	1.7	-		Urinary Bladder	1.3	-0.7	

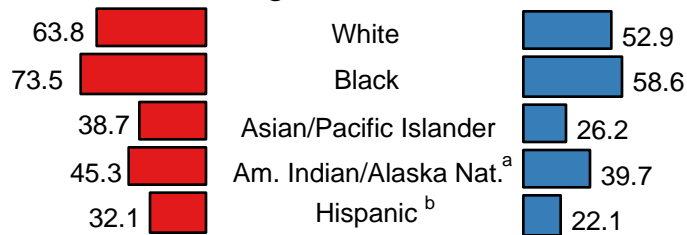
- <sup>a</sup> Top 15 cancer sites selected based on 2003-2007 age-adjusted rates for the race/ethnic group.
- <sup>b</sup> Mortality data used in calculating the rates are analyzed from US mortality files provided by the National Center for Health Statistics, CDC. Rates are age-adjusted to the 2000 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 2003-2007 Hispanic death rates do not include deaths from the District of Columbia, New Hampshire and North Dakota. The 1998-2007 Hispanic mortality trends do not include deaths from the District of Columbia, Maine, Minnesota, New Hampshire and North Dakota.
- <sup>f</sup> IBD = Intrahepatic Bile Duct. ONS = Other Nervous System.
- \* The APC is significantly different from zero (p<.05).
- 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.

Figure 1.12

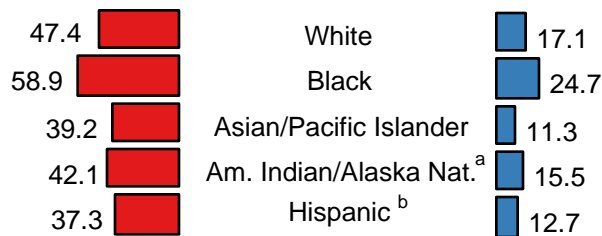
# SEER Cancer Incidence and US Death Rates, 2003-2007 By Cancer Site and Race/Ethnicity

Incidence                      Cancer Site                      Mortality

## Lung and Bronchus



## Colon and Rectum



## Female Breast



## Prostate



Source: 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) and US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.

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

<sup>b</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. Mortality data for Hispanics exclude cases from the District of Columbia, New Hampshire, and North Dakota.

# SEER Incidence 1998-2007 Males by Race/Ethnicity

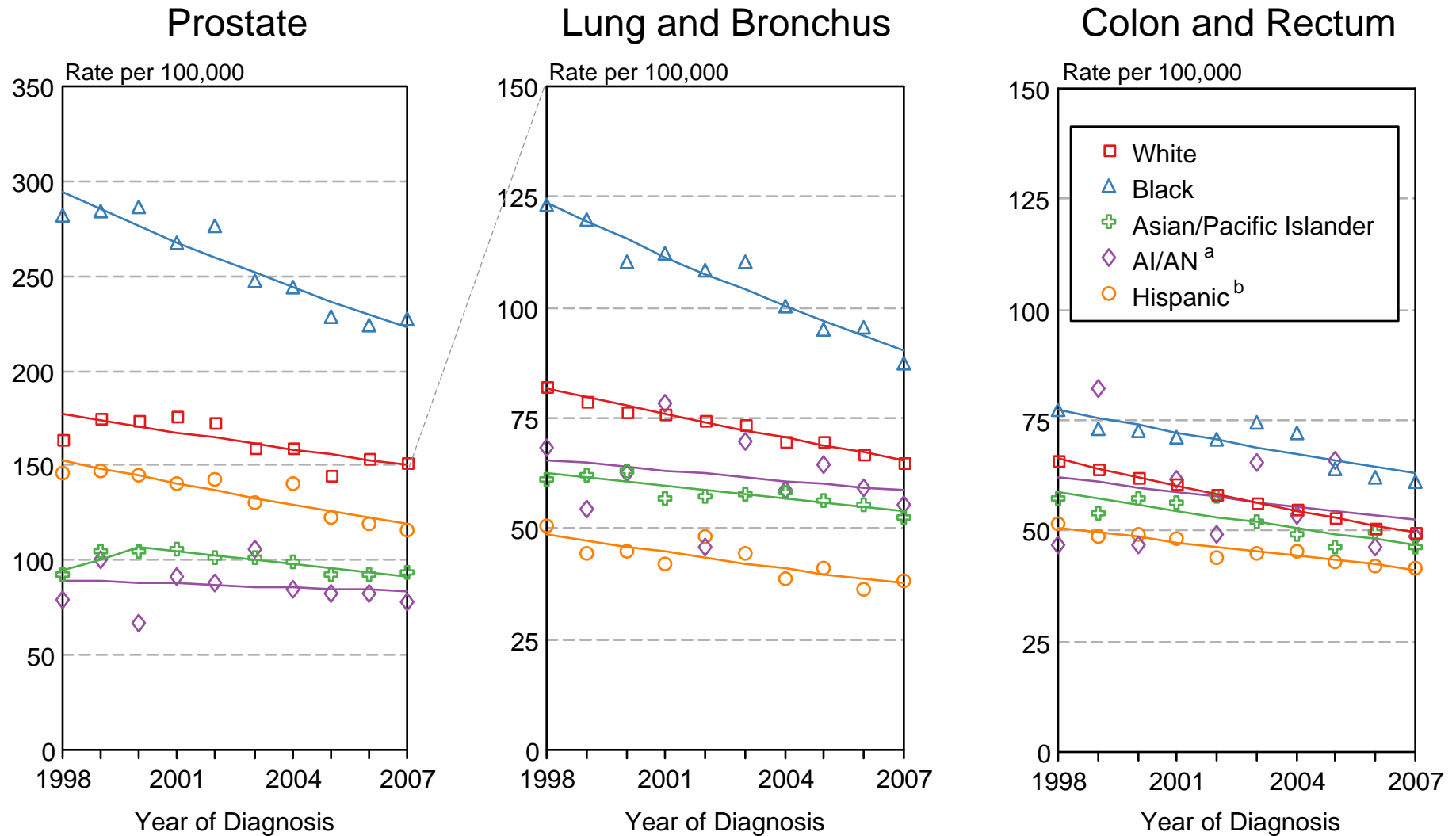


Figure 1.13

Source: SEER 13 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). 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 3.4.3, April 2010, National Cancer Institute.

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

<sup>b</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.



# SEER Incidence 1998-2007 Females by Race/Ethnicity

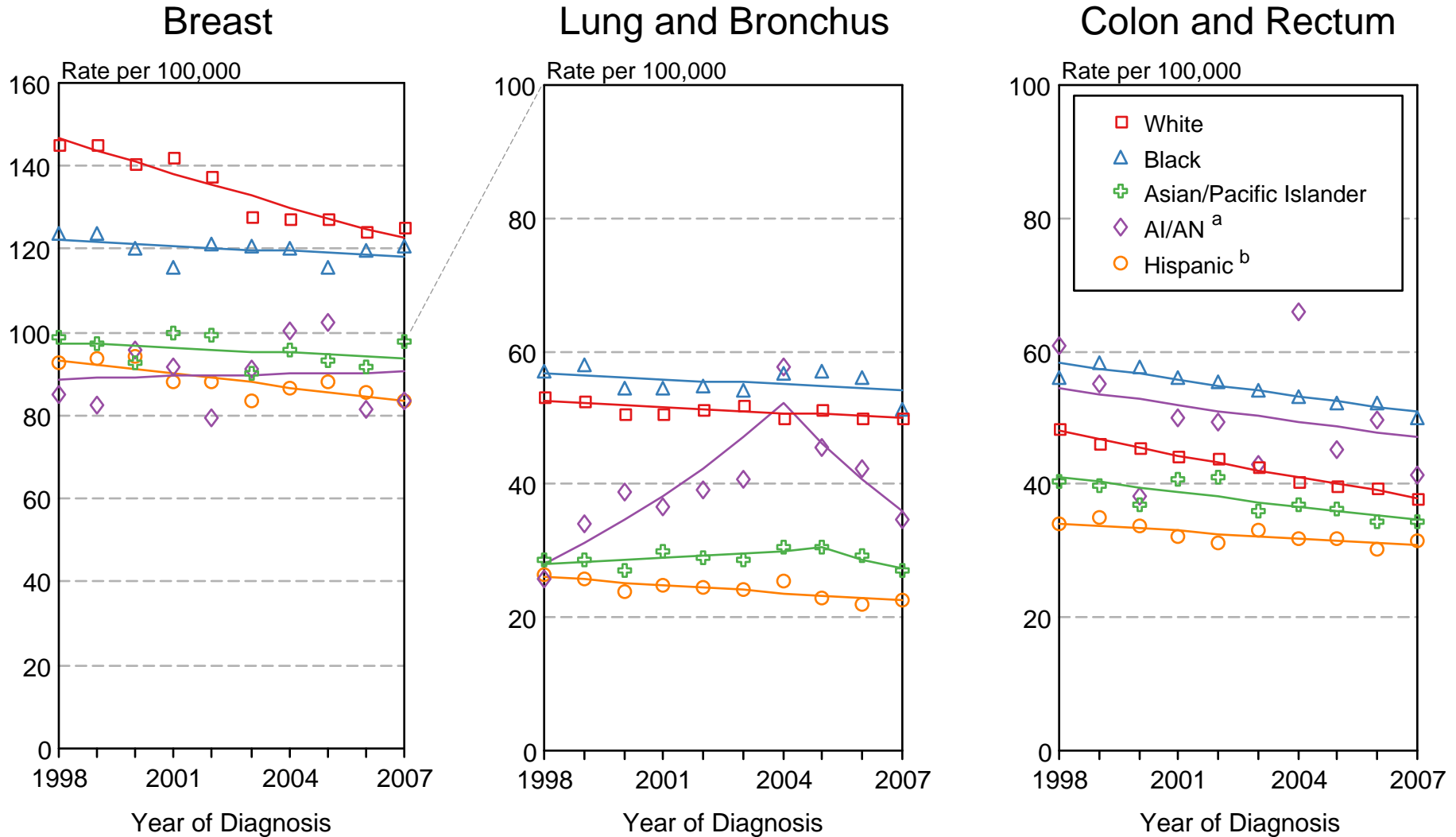


Figure 1.14

Source: SEER 13 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). 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 3.4.3, April 2010, National Cancer Institute.

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

<sup>b</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.

# US Mortality 1998-2007 Males by Race/Ethnicity

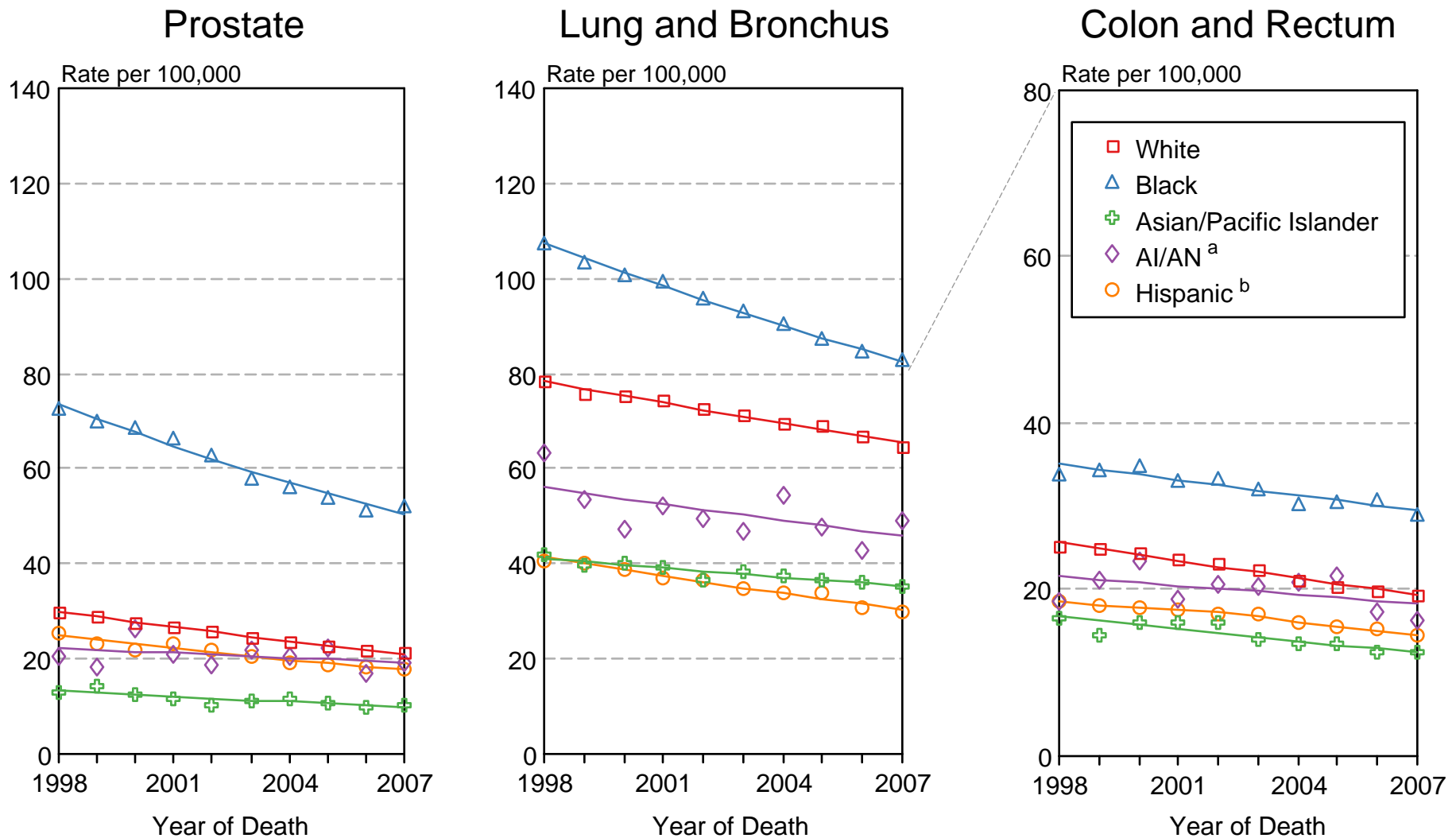


Figure 1.15

Source: US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention. 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 3.4.3, April 2010, National Cancer Institute.

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

<sup>b</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Mortality data for Hispanics excludes cases from the District of Columbia, Maine, Minnesota, New Hampshire, North Dakota, and Oklahoma.

# US Mortality 1998-2007

## Females by Race/Ethnicity

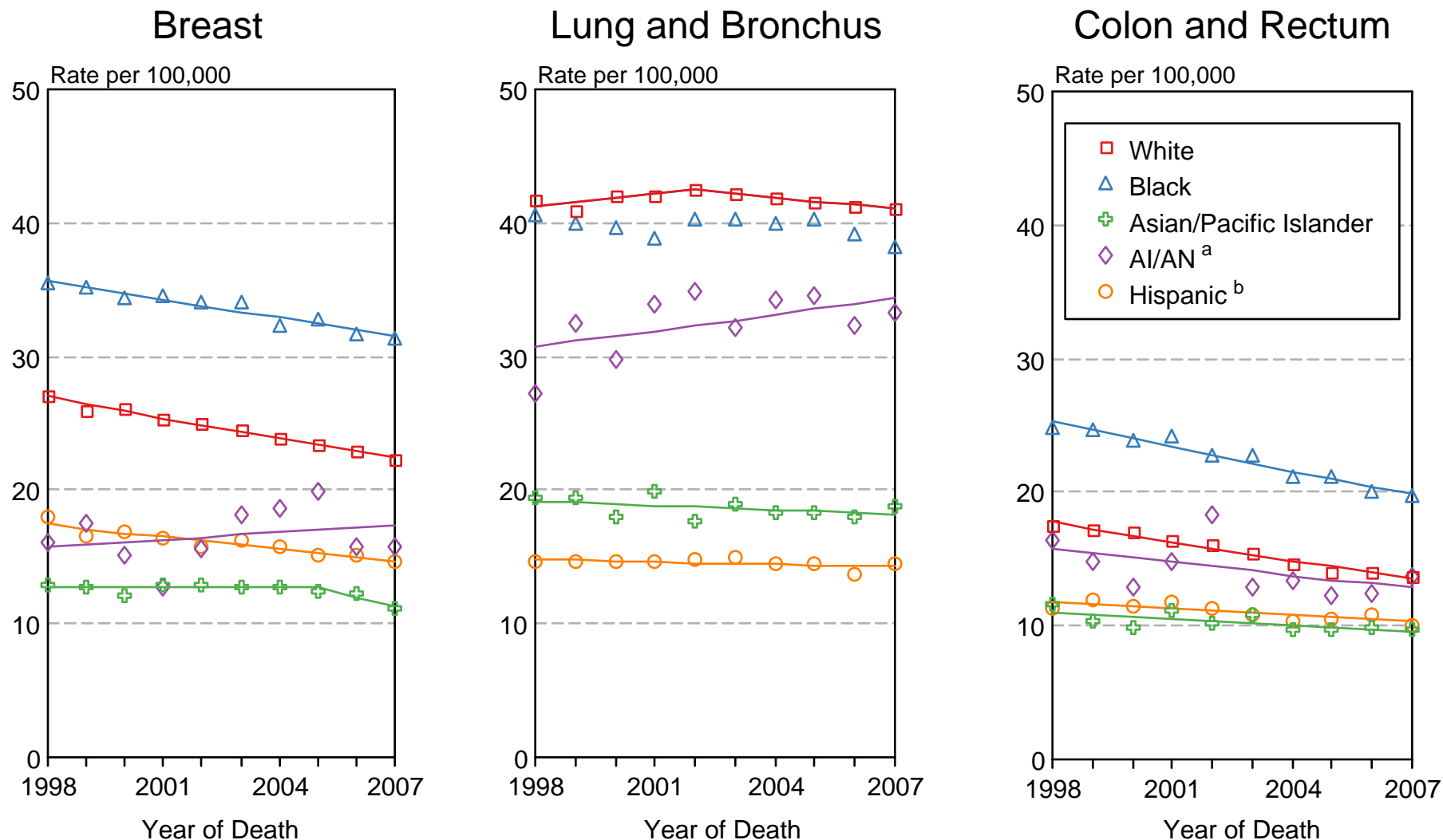


Figure 1.16

Source: US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention. 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 3.4.3, April 2010, National Cancer Institute.

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

<sup>b</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Mortality data for Hispanics excludes cases from the District of Columbia, Maine, Minnesota, New Hampshire, North Dakota, and Oklahoma.

Table 2.15  
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	SEER 17 Areas <sup>b</sup>			SEER 13 Areas <sup>b</sup>			SEER 9 Areas <sup>b</sup>		
	Rate 2003-2007			Trend 1998-2007 <sup>c</sup>			Trend 1998-2007 <sup>d</sup>		
	Rate per 100,000 persons			AAPC (%)			AAPC (%)		
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	461.6	538.9	408.0	-0.8*	-1.1*	-0.8*	-0.7*	-0.9*	-0.7*
White	469.2	541.5	419.6	-0.8*	-1.0*	-0.8*	-0.7*	-0.9*	-0.7*
White Hispanic <sup>e</sup>	347.8	399.6	315.1	-1.2*	-1.9*	-0.4*	-	-	-
White Non-Hispanic <sup>e</sup>	489.8	564.3	438.0	-0.6*	-0.8*	-0.6*	-	-	-
Black	489.8	624.0	399.1	-1.4*	-2.3*	-0.2	-1.0*	-1.8*	-0.1
Asian/Pacific Islander	310.8	346.5	288.9	-0.6*	-1.1*	0.0	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	317.7	335.8	306.3	-0.1	-1.0*	0.7*	-	-	-
Hispanic <sup>e</sup>	342.5	394.8	309.2	-1.1*	-1.7*	-0.7*	-	-	-
<u>U.S. Mortality<sup>g</sup></u>									
	Rate 2003-2007			Trend 1998-2007 <sup>h</sup>					
	Rate per 100,000 persons			AAPC (%)					
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females			
All Races	183.8	225.4	155.4	-1.4*	-1.8*	-1.2*			
White	182.4	222.5	155.0	-1.3*	-1.6*	-1.1*			
White Hispanic <sup>e</sup>	126.3	155.5	106.0	-1.7*	-2.4*	-1.3*			
White Non-Hispanic <sup>e</sup>	186.7	227.5	158.8	-1.2*	-1.4*	-1.0*			
Black	224.2	296.5	180.6	-2.0*	-2.5*	-1.4*			
Asian/Pacific Islander	110.8	134.2	94.1	-1.6*	-2.0*	-1.1*			
Amer Ind/Alaska Nat									
Total U.S.	123.2	145.1	107.7	-1.6*	-2.4*	-0.7*			
CHSDA Counties	156.7	183.7	138.0	-0.2	-0.5*	0.0			
Non-CHSDA Counties	81.8	98.3	69.6	-3.5*	-4.7	-1.3*			
Hispanic <sup>e</sup>	122.1	150.5	102.3	-1.8*	-2.5*	-1.3*			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.4.3, April 2010, 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 The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, 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.

c The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.

d The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.

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. The 2003-2007 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, New Hampshire, and North Dakota. The 1998-2007 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, the District of Columbia, 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 1998-2007 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2007.

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

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

Joinpoint Analyses for Whites and Blacks from 1975-2007

and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2007

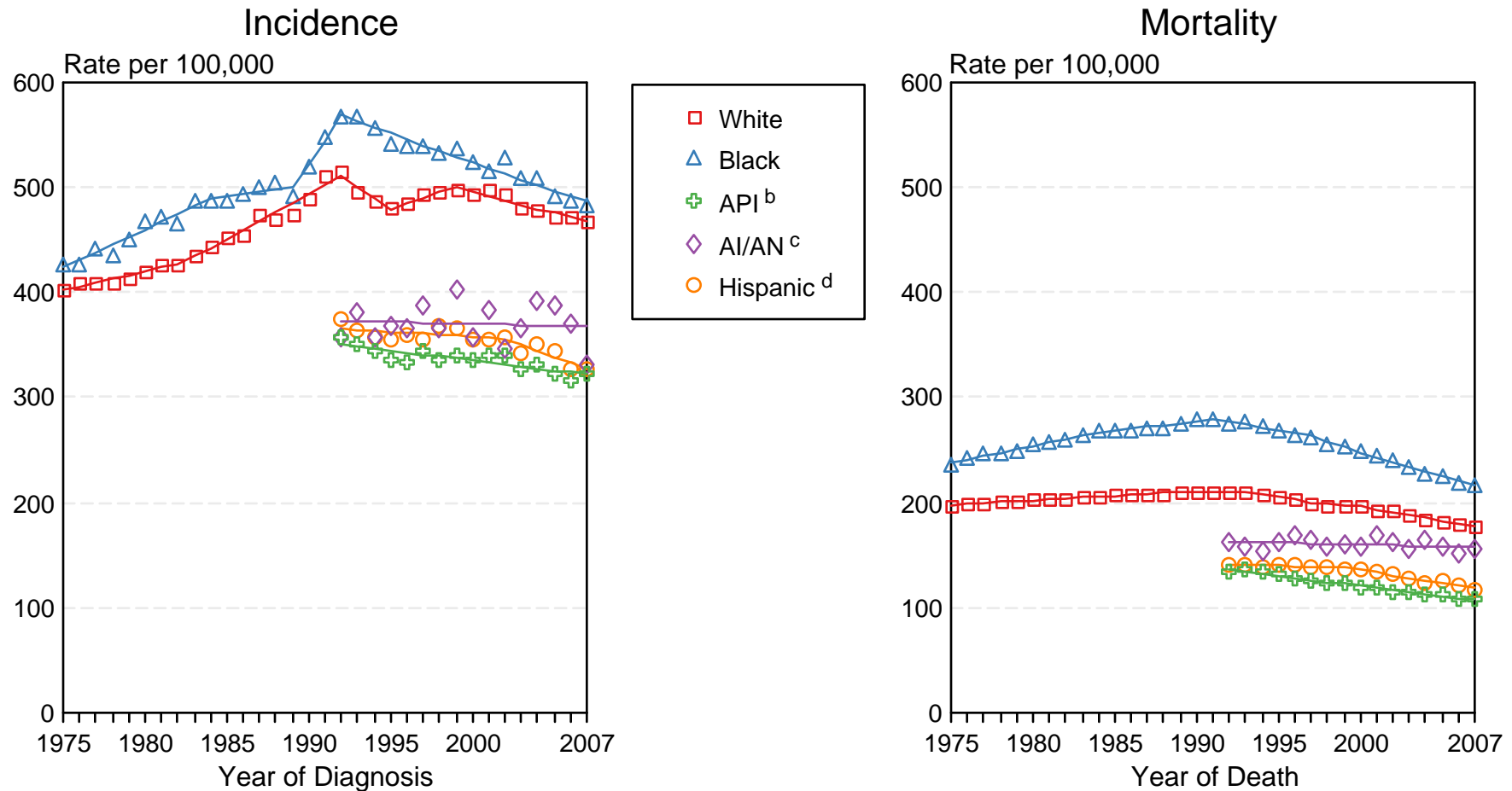


Figure 2.4

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 3.4.3, April 2010, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2007 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2007 allow a maximum of 2 joinpoints.

<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, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table 3.15  
Cancer of the Brain And Other Nervous System (Invasive)

SEER Incidence and U.S. Mortality  
Age-Adjusted Rates and Trends<sup>a</sup>  
By Race/Ethnicity and Sex

SEER Incidence	SEER 17 Areas <sup>b</sup>			SEER 13 Areas <sup>b</sup>			SEER 9 Areas <sup>b</sup>		
	Rate 2003-2007			Trend 1998-2007 <sup>c</sup>			Trend 1998-2007 <sup>d</sup>		
	Rate per 100,000 persons			AAPC (%)			AAPC (%)		
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	6.5	7.6	5.5	-0.4*	-0.6*	-0.2	-0.4*	-0.7*	-0.3
White	7.1	8.4	6.0	-0.2	-0.4*	-0.1	-0.2	-0.5*	-0.7
White Hispanic <sup>e</sup>	5.4	6.1	4.8	-0.1	0.2	-0.5	-	-	-
White Non-Hispanic <sup>e</sup>	7.6	9.0	6.3	-0.1	-0.3	0.1	-	-	-
Black	4.0	4.7	3.5	-0.1	-0.4	0.2	0.2	-0.1	0.7*
Asian/Pacific Islander	3.5	4.0	3.2	-0.7	-1.1*	-0.2	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	3.5	3.7	3.4	-	-	-	-	-	-
Hispanic <sup>e</sup>	5.2	5.9	4.6	0.1	0.4	-0.4	-	-	-
<u>U.S. Mortality<sup>g</sup></u>									
RACE/ETHNICITY	Rate 2003-2007			Trend 1998-2007 <sup>h</sup>					
	Rate per 100,000 persons			AAPC (%)					
	Total	Males	Females	Total	Males	Females			
All Races	4.3	5.2	3.5	-1.0*	-1.0*	-1.1*			
White	4.6	5.6	3.8	-0.9*	-0.9*	-1.0*			
White Hispanic <sup>e</sup>	2.9	3.4	2.5	-0.3	-0.7	0.1			
White Non-Hispanic <sup>e</sup>	4.8	5.8	3.9	-0.8*	-0.8*	-0.9*			
Black	2.5	3.1	2.0	-1.0*	-1.0*	-1.2*			
Asian/Pacific Islander	1.9	2.3	1.6	-0.2	0.6	-1.2			
Amer Ind/Alaska Nat									
Total U.S.	1.7	2.2	1.4	-1.0	-1.0	-			
CHSDA Counties	2.1	2.7	1.6	0.4	-	-			
Non-CHSDA Counties	1.3	1.5	1.1	-	-	-			
Hispanic <sup>e</sup>	2.8	3.2	2.4	-0.2	-0.7	0.2			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.4.3, April 2010, 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 The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, 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.

c The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.

d The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.

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. The 2003-2007 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, New Hampshire, and North Dakota. The 1998-2007 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, the District of Columbia, 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 1998-2007 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2007.

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

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

## Cancer of the Brain and Other Nervous System, Both Sexes

### Joinpoint Analyses for Whites and Blacks from 1975-2007

### and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2007

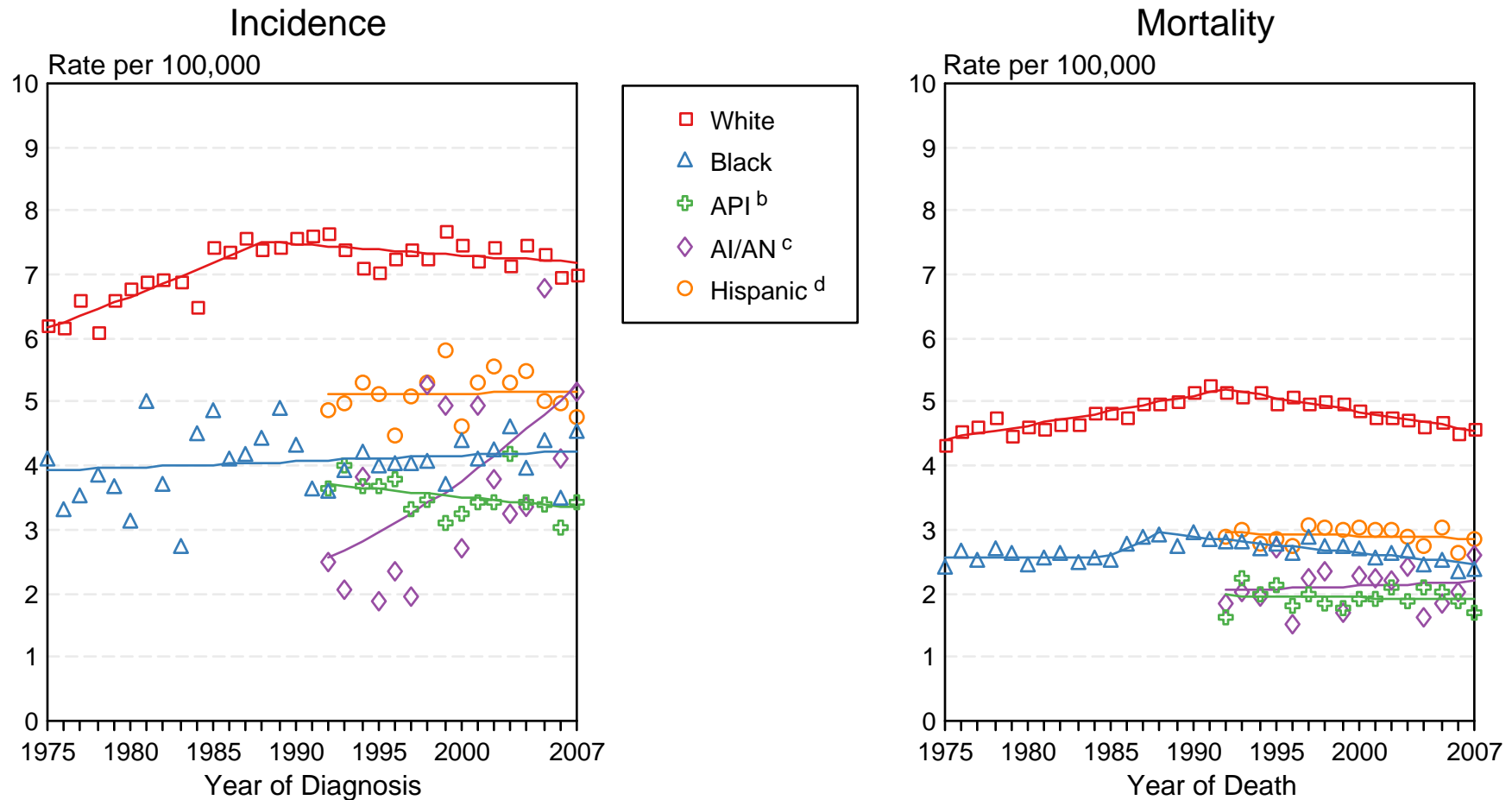


Figure 3.2

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 3.4.3, April 2010, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2007 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2007 allow a maximum of 2 joinpoints.

<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, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table 4.19  
Cancer of the Female Breast (Invasive)

SEER Incidence and U.S. Mortality  
Age-Adjusted Rates and Trends<sup>a</sup>  
By Race/Ethnicity

SEER Incidence	SEER 17 Areas <sup>b</sup>	SEER 13 Areas <sup>b</sup>	SEER 9 Areas <sup>b</sup>
	Rate 2003-2007	Trend 1998-2007 <sup>c</sup>	Trend 1998-2007 <sup>d</sup>
	Rate per 100,000 persons	AAPC (%)	AAPC (%)
RACE/ETHNICITY	Females	Females	Females
All Races	122.9	-1.5*	-1.7*
White	126.5	-1.7*	-1.6*
White Hispanic <sup>e</sup>	87.7	-1.1*	-
White Non-Hispanic <sup>e</sup>	133.2	-1.6*	-
Black	118.3	-0.2	-0.3
Asian/Pacific Islander	90.0	-0.4	-
Amer Ind/Alaska Nat <sup>f</sup>	76.4	-0.5	-
Hispanic <sup>e</sup>	86.0	-1.0*	-
U.S. Mortality <sup>g</sup>	Rate 2003-2007	Trend 1998-2007 <sup>h</sup>	
	Rate per 100,000 persons	AAPC (%)	
RACE/ETHNICITY	Females	Females	
All Races	24.0	-1.9*	
White	23.4	-2.0*	
White Hispanic <sup>e</sup>	15.8	-1.9*	
White Non-Hispanic <sup>e</sup>	23.9	-1.8*	
Black	32.4	-1.6*	
Asian/Pacific Islander	12.2	-0.8*	
Amer Ind/Alaska Nat			
Total U.S.	14.0	-0.9	
CHSDA Counties	17.6	0.1	
Non-CHSDA Counties	9.7	-2.4*	
Hispanic <sup>e</sup>	15.3	-1.9*	

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.4.3, April 2010, 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).

The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, 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.

The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.

The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.

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. The 2003-2007 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, New Hampshire, and North Dakota. The 1998-2007 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, the District of Columbia, 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 1998-2007 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2007.

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



Table 4.20  
Cancer of the Female Breast (*In Situ*)

SEER Incidence  
Age-Adjusted Rates and Trends<sup>a</sup>  
By Race/Ethnicity

SEER Incidence RACE/ETHNICITY	SEER 17 Areas <sup>b</sup> Rate 2003-2007 Rate per 100,000 persons	SEER 13 Areas <sup>b</sup> Trend 1998-2007 <sup>c</sup> AAPC (%)	SEER 9 Areas <sup>b</sup> Trend 1998-2007 <sup>d</sup> AAPC (%)
	Females	Females	Females
All Races	30.0	0.8	0.4
White	30.5	0.0	0.1
White Hispanic <sup>e</sup>	19.1	1.6*	-
White Non-Hispanic <sup>e</sup>	32.7	0.5	-
Black	27.7	1.5*	1.6*
Asian/Pacific Islander	26.3	3.6	-
Amer Ind/Alaska Nat <sup>f</sup>	13.6	-	-
Hispanic <sup>e</sup>	18.7	1.5*	-

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.4.3, April 2010, 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> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, 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.

<sup>c</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.

<sup>d</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.

<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.

<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 ( $p < .05$ ).

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

Joinpoint Analyses for Whites and Blacks from 1975-2007  
and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2007

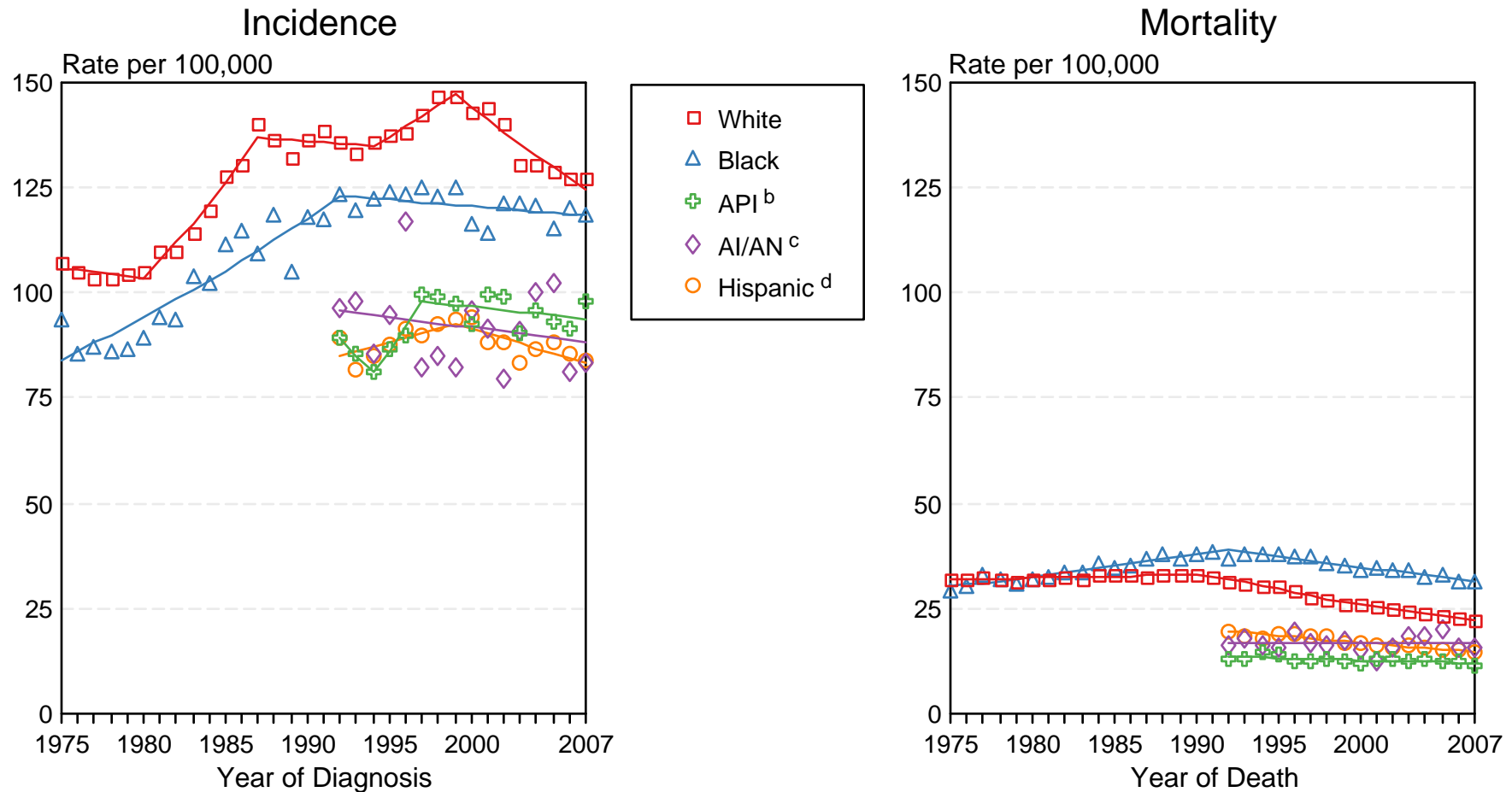


Figure 4.4

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 3.4.3, April 2010, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2007 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2007 allow a maximum of 2 joinpoints.

<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, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table 5.11  
Cancer of the Cervix Uteri (Invasive)

SEER Incidence and U.S. Mortality  
Age-Adjusted Rates and Trends<sup>a</sup>  
By Race/Ethnicity

SEER Incidence	SEER 17 Areas <sup>b</sup>	SEER 13 Areas <sup>b</sup>	SEER 9 Areas <sup>b</sup>
	Rate 2003-2007	Trend 1998-2007 <sup>c</sup>	Trend 1998-2007 <sup>d</sup>
	Rate per 100,000 persons	AAPC (%)	AAPC (%)
	Females	Females	Females
RACE/ETHNICITY			
All Races	8.1	-2.9*	-3.5*
White	7.9	-2.4*	-2.6*
White Hispanic <sup>e</sup>	12.4	-5.8*	-
White Non-Hispanic <sup>e</sup>	7.0	-2.3*	-
Black	10.1	-5.0*	-3.8*
Asian/Pacific Islander	7.5	-4.6*	-
Amer Ind/Alaska Nat <sup>f</sup>	7.7	-1.9	-
Hispanic <sup>e</sup>	12.0	-4.1*	-
U.S. Mortality <sup>g</sup>	Rate 2003-2007	Trend 1998-2007 <sup>h</sup>	
	Rate per 100,000 persons	AAPC (%)	
	Females	Females	
RACE/ETHNICITY			
All Races	2.4	-2.4*	
White	2.2	-2.0*	
White Hispanic <sup>e</sup>	3.2	-2.8*	
White Non-Hispanic <sup>e</sup>	2.1	-2.1*	
Black	4.4	-4.3*	
Asian/Pacific Islander	2.1	-3.7*	
Amer Ind/Alaska Nat			
Total U.S.	2.4	-4.2*	
CHSDA Counties	3.4	-3.5*	
Non-CHSDA Counties	1.1	-	
Hispanic <sup>e</sup>	3.1	-2.7*	

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.4.3, April 2010, 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).

The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, 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.

The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.

The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.

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. The 2003-2007 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, New Hampshire, and North Dakota. The 1998-2007 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, the District of Columbia, 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 1998-2007 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2007.

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

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

Joinpoint Analyses for Whites and Blacks from 1975-2007  
and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2007

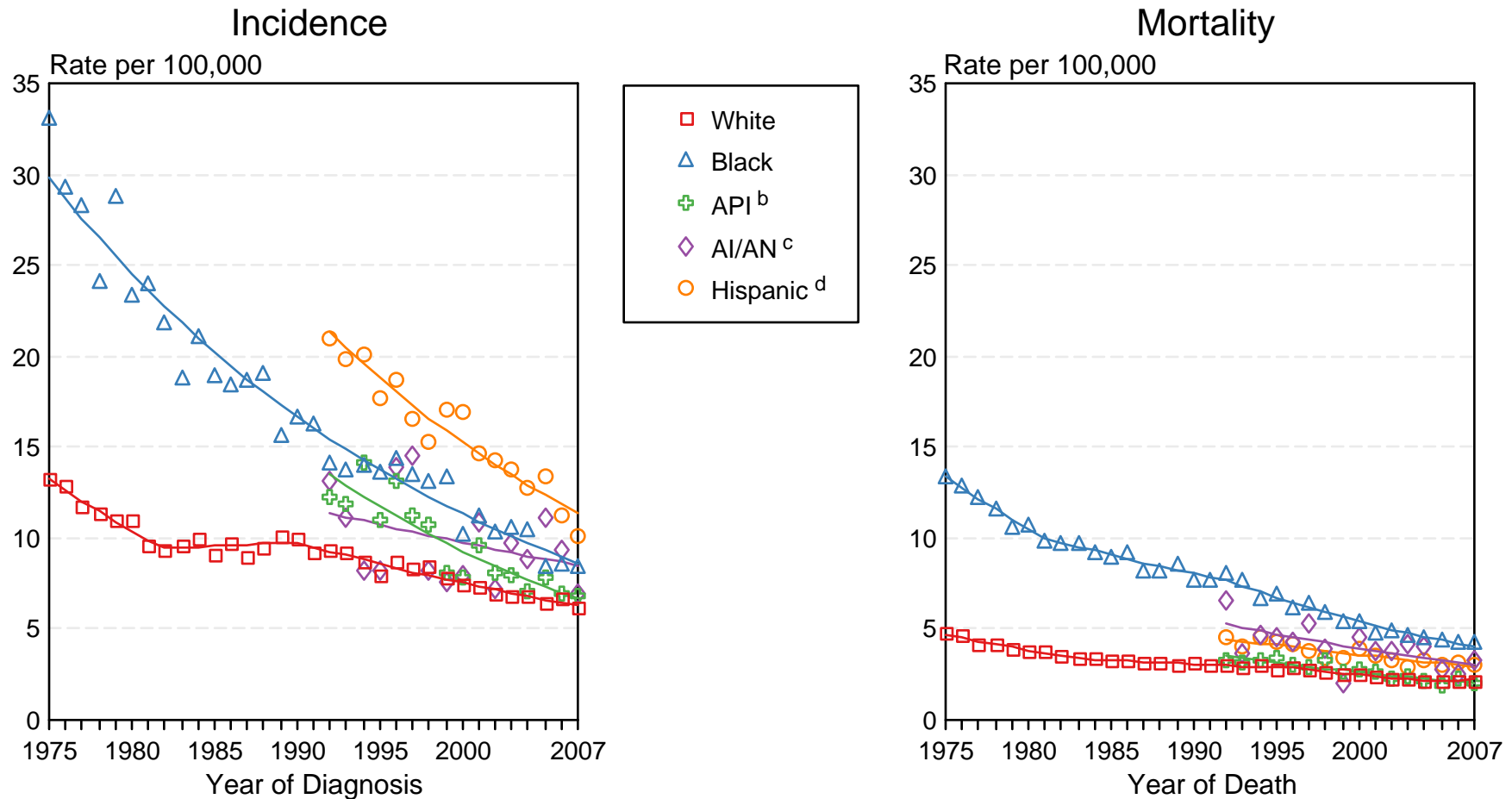


Figure 5.3

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 3.4.3, April 2010, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2007 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2007 allow a maximum of 2 joinpoints.

<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, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table 6.21  
Cancer of the Colon and Rectum (Invasive)

SEER Incidence and U.S. Mortality  
Age-Adjusted Rates and Trends<sup>a</sup>  
By Race/Ethnicity and Sex

SEER Incidence	SEER 17 Areas <sup>b</sup>			SEER 13 Areas <sup>b</sup>			SEER 9 Areas <sup>b</sup>		
	Rate 2003-2007			Trend 1998-2007 <sup>c</sup>			Trend 1998-2007 <sup>d</sup>		
	Rate per 100,000 persons			AAPC (%)			AAPC (%)		
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	47.9	55.8	41.7	-2.6*	-3.0*	-2.3*	-2.7*	-3.2*	-2.3*
White	47.4	55.4	40.9	-2.8*	-3.2*	-2.5*	-2.8*	-3.3*	-2.6*
White Hispanic <sup>e</sup>	37.9	45.5	32.0	-1.4*	-2.1*	-0.5*	-	-	-
White Non-Hispanic <sup>e</sup>	48.7	56.7	42.1	-2.8*	-3.2*	-2.6*	-	-	-
Black	58.9	68.1	52.6	-1.6*	-2.2*	-1.3*	-1.7*	-2.4*	-1.4*
Asian/Pacific Islander	39.2	45.5	34.2	-2.0*	-2.3*	-0.9*	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	42.1	43.4	40.4	-0.3	-0.9	0.2	-	-	-
Hispanic <sup>e</sup>	37.3	44.5	31.6	-1.4*	-2.3*	-0.4*	-	-	-
<u>U.S. Mortality<sup>g</sup></u>									
RACE/ETHNICITY	Rate 2003-2007			Trend 1998-2007 <sup>h</sup>					
	Rate per 100,000 persons			AAPC (%)					
	Total	Males	Females	Total	Males	Females			
All Races	17.6	21.2	14.9	-2.6*	-2.8*	-2.6*			
White	17.1	20.6	14.4	-2.7*	-2.9*	-2.6*			
White Hispanic <sup>e</sup>	13.1	16.1	10.8	-1.8*	-2.5*	-1.6*			
White Non-Hispanic <sup>e</sup>	17.4	20.9	14.6	-2.5*	-2.8*	-2.4*			
Black	24.7	30.5	21.0	-2.2*	-1.9*	-2.5*			
Asian/Pacific Islander	11.3	13.2	9.9	-2.2*	-2.4*	-1.8*			
Amer Ind/Alaska Nat									
Total U.S.	11.9	14.7	9.8	-3.0*	-3.2*	-1.8*			
CHSDA Counties	15.5	19.2	12.9	-2.2*	-2.0	-1.1			
Non-CHSDA Counties	7.4	9.3	5.9	-2.3*	-4.7	-2.6*			
Hispanic <sup>e</sup>	12.7	15.6	10.5	-1.9*	-2.6*	-0.9*			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.4.3, April 2010, 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 The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, 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.

c The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.

d The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.

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. The 2003-2007 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, New Hampshire, and North Dakota. The 1998-2007 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, the District of Columbia, 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 1998-2007 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2007.

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

Table 6.22  
Cancer of the Colon (Invasive) and Cancer of the Rectum (Invasive)

SEER Incidence  
Age-Adjusted Rates and Trends<sup>a</sup>  
By Race/Ethnicity and Sex

Cancer of the Colon <u>SEER Incidence</u>	SEER 17 Areas <sup>b</sup> Rate 2003-2007 Rate per 100,000 persons			SEER 13 Areas <sup>b</sup> Trend 1998-2007 <sup>c</sup> AAPC (%)			SEER 9 Areas <sup>b</sup> Trend 1998-2007 <sup>d</sup> AAPC (%)		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
	RACE/ETHNICITY								
All Races	34.5	38.9	31.2	-2.4*	-2.8*	-2.0*	-2.7*	-3.0*	-2.1*
White	34.1	38.6	30.6	-2.8*	-3.3*	-2.1*	-2.8*	-3.4*	-2.2*
White Hispanic <sup>e</sup>	26.5	30.4	23.4	-1.1*	-1.9*	-0.3	-	-	-
White Non-Hispanic <sup>e</sup>	35.1	39.7	31.5	-2.8*	-3.3*	-2.2*	-	-	-
Black	44.9	50.8	41.0	-1.9*	-2.6*	-1.5*	-2.0*	-2.8*	-1.7*
Asian/Pacific Islander	26.2	28.8	24.3	-2.3*	-3.0*	-1.0*	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	31.0	29.5	31.8	-0.5	-1.8	0.6	-	-	-
Hispanic <sup>e</sup>	26.0	29.7	23.2	-1.1*	-1.9*	-0.2	-	-	-
Cancer of the Rectum <u>SEER Incidence</u>	SEER 17 Areas <sup>b</sup> Rate 2003-2007 Rate per 100,000 persons			SEER 13 Areas <sup>b</sup> Trend 1998-2007 <sup>c</sup> AAPC (%)			SEER 9 Areas <sup>b</sup> Trend 1998-2007 <sup>d</sup> AAPC (%)		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
	RACE/ETHNICITY								
All Races	13.4	16.9	10.6	-2.6*	-2.5*	-2.5*	-2.6*	-2.8*	-2.4*
White	13.3	16.8	10.4	-3.0*	-2.9*	-3.0*	-2.9*	-3.0*	-2.9*
White Hispanic <sup>e</sup>	11.5	15.1	8.5	-1.3*	-1.7*	-1.0*	-	-	-
White Non-Hispanic <sup>e</sup>	13.6	17.1	10.7	-3.0*	-3.2*	-3.0*	-	-	-
Black	14.0	17.2	11.6	-0.4	-0.7	-0.1	-0.2	-0.1	-0.2
Asian/Pacific Islander	12.9	16.7	9.9	-1.0*	-0.9	-1.1	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	11.1	13.9	8.7	-0.1	-	-	-	-	-
Hispanic <sup>e</sup>	11.3	14.8	8.5	-1.2*	-1.6*	-0.9	-	-	-

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.4.3, April 2010, 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 The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, 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.

c The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.

d The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.

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.

f 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).

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

## Joinpoint Analyses for Whites and Blacks from 1975-2007 and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2007

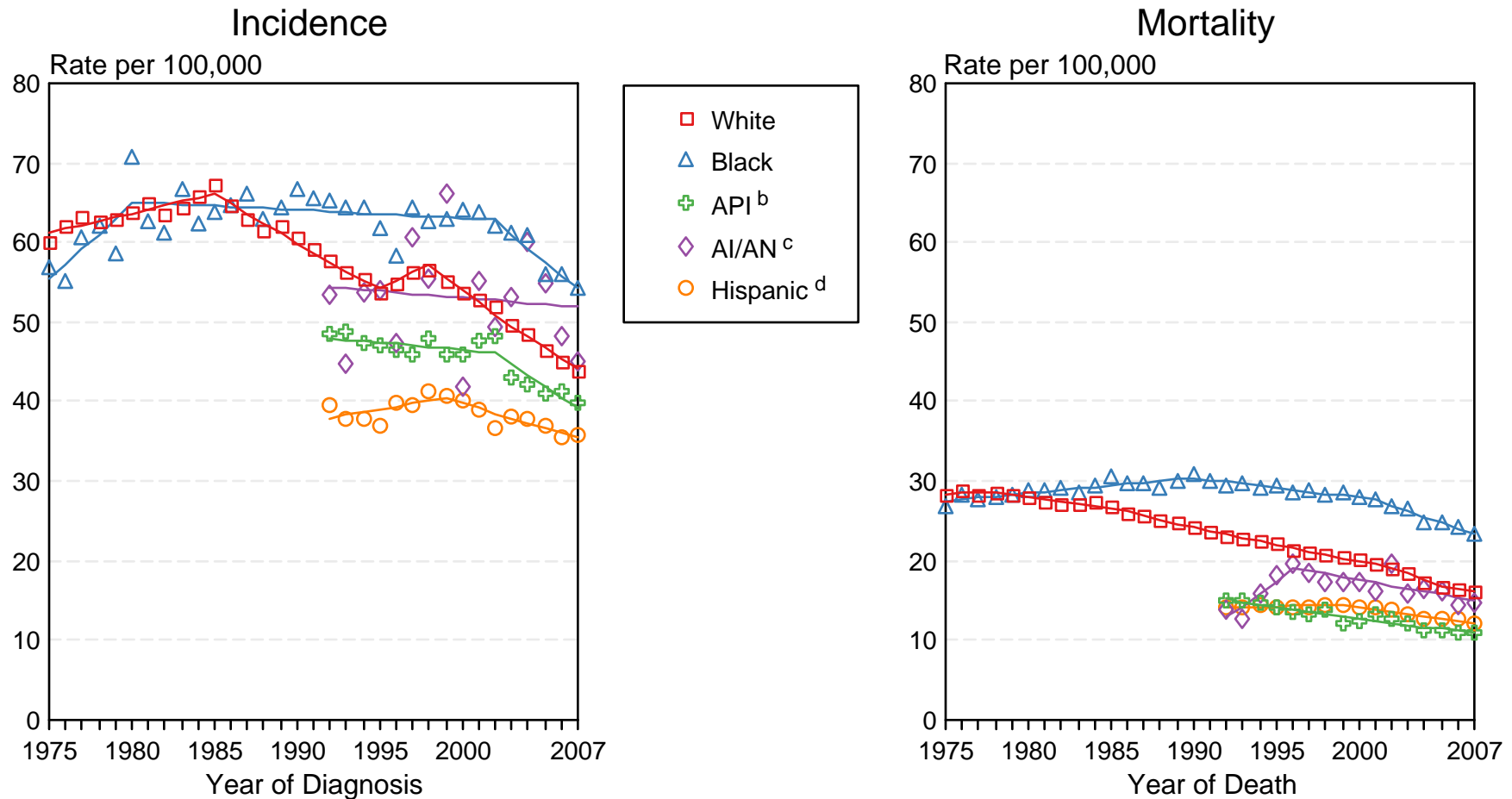


Figure 6.2

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 3.4.3, April 2010, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2007 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2007 allow a maximum of 2 joinpoints.

<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, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table 7.11  
Cancer of the Corpus And Uterus, NOS (Invasive)

SEER Incidence and U.S. Mortality  
Age-Adjusted Rates and Trends<sup>a</sup>  
By Race/Ethnicity

SEER Incidence	SEER 17 Areas <sup>b</sup>	SEER 13 Areas <sup>b</sup>	SEER 9 Areas <sup>b</sup>
	Rate 2003-2007	Trend 1998-2007 <sup>c</sup>	Trend 1998-2007 <sup>d</sup>
	Rate per 100,000 persons	AAPC (%)	AAPC (%)
RACE/ETHNICITY	Females	Females	Females
All Races	23.5	-0.6*	-0.5*
White	24.4	-0.8*	-0.7*
White Hispanic <sup>e</sup>	18.0	0.6*	-
White Non-Hispanic <sup>e</sup>	25.3	-0.8*	-
Black	20.6	1.5*	1.2*
Asian/Pacific Islander	17.3	1.2*	-
Amer Ind/Alaska Nat <sup>f</sup>	16.8	-	-
Hispanic <sup>e</sup>	17.6	0.7*	-
<u>U.S. Mortality<sup>g</sup></u>	Rate 2003-2007	Trend 1998-2007 <sup>h</sup>	
	Rate per 100,000 persons	AAPC (%)	
RACE/ETHNICITY	Females	Females	
All Races	4.1	0.3*	
White	3.9	-0.1	
White Hispanic <sup>e</sup>	3.1	-0.4	
White Non-Hispanic <sup>e</sup>	3.9	-0.1	
Black	7.2	0.4*	
Asian/Pacific Islander	2.5	1.3*	
Amer Ind/Alaska Nat			
Total U.S.	2.2	-0.6	
CHSDA Counties	2.9	-	
Non-CHSDA Counties	1.3	-	
Hispanic <sup>e</sup>	3.0	-0.3	

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.4.3, April 2010, 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).

The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, 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.

The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.

The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.

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. The 2003-2007 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, New Hampshire, and North Dakota. The 1998-2007 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, the District of Columbia, 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 1998-2007 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2007.

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



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

Joinpoint Analyses for Whites and Blacks from 1975-2007  
and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2007

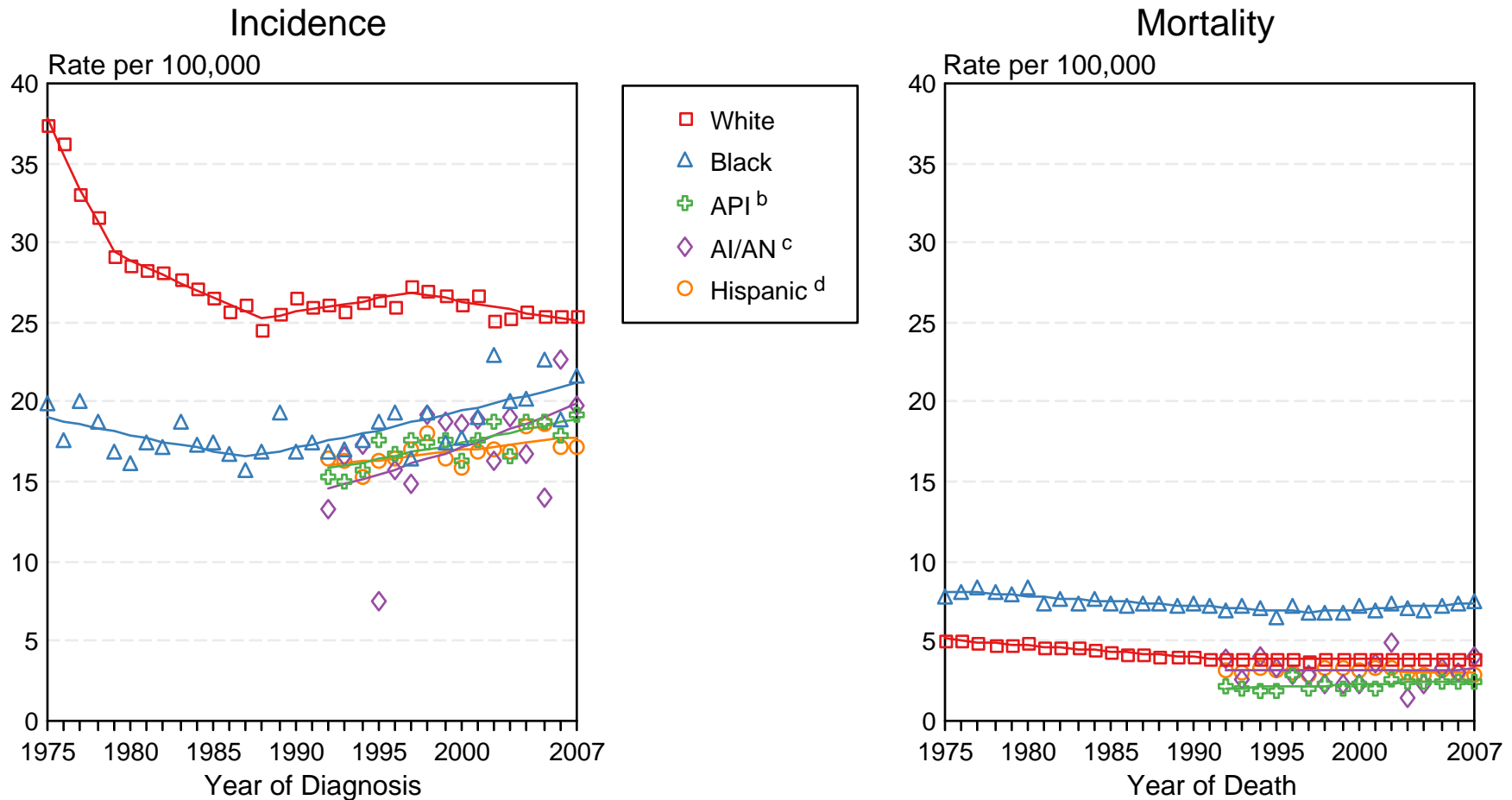


Figure 7.3

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 3.4.3, April 2010, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2007 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2007 allow a maximum of 2 joinpoints.

<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, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table 8.15  
Cancer of the Esophagus (Invasive)

SEER Incidence and U.S. Mortality  
Age-Adjusted Rates and Trends<sup>a</sup>  
By Race/Ethnicity and Sex

SEER Incidence	SEER 17 Areas <sup>b</sup>			SEER 13 Areas <sup>b</sup>			SEER 9 Areas <sup>b</sup>		
	Rate 2003-2007			Trend 1998-2007 <sup>c</sup>			Trend 1998-2007 <sup>d</sup>		
	Rate per 100,000 persons			AAPC (%)			AAPC (%)		
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	4.5	7.8	1.9	-0.2	-0.1	-0.9*	0.4*	0.6*	-0.4*
White	4.6	8.0	1.9	0.8*	0.9*	-0.3	0.3	1.6*	0.1
White Hispanic <sup>e</sup>	2.9	5.2	1.1	-1.8*	-1.9*	-	-	-	-
White Non-Hispanic <sup>e</sup>	4.9	8.4	2.0	0.2	0.3	0.0	-	-	-
Black	5.4	8.9	2.9	-4.9*	-5.2*	-4.1*	-4.5*	-4.9*	-2.8*
Asian/Pacific Islander	2.4	4.1	1.0	-1.5*	-1.9*	-	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	4.0	5.2	2.9	-	-	-	-	-	-
Hispanic <sup>e</sup>	2.9	5.1	1.1	-1.6*	-1.7*	-2.2	-	-	-
<u>U.S. Mortality<sup>g</sup></u>									
	Rate 2003-2007			Trend 1998-2007 <sup>h</sup>					
	Rate per 100,000 persons			AAPC (%)					
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females			
All Races	4.4	7.8	1.7	0.0	0.4*	-1.2*			
White	4.4	7.9	1.6	0.8*	0.8*	-0.6*			
White Hispanic <sup>e</sup>	2.3	4.2	0.9	-2.0*	-1.6*	-2.7*			
White Non-Hispanic <sup>e</sup>	4.6	8.2	1.7	1.0*	1.2*	-0.4			
Black	5.1	8.9	2.5	-4.3*	-4.5*	-3.8*			
Asian/Pacific Islander	1.9	3.2	0.8	-2.1*	-2.2*	-1.2			
Amer Ind/Alaska Nat									
Total U.S.	2.9	4.8	1.3	1.1	0.2	-			
CHSDA Counties	3.8	6.4	1.7	-0.9	-2.3	-			
Non-CHSDA Counties	1.8	2.9	0.8	-	-	-			
Hispanic <sup>e</sup>	2.2	4.0	0.8	-1.2*	-1.6*	-3.0*			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.4.3, April 2010, 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> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, 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.

<sup>c</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.

<sup>d</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.

<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. The 2003-2007 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, New Hampshire, and North Dakota. The 1998-2007 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.

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

<sup>g</sup> US Mortality Files, National Center for Health Statistics, CDC.

<sup>h</sup> The 1998-2007 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2007.

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

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

Joinpoint Analyses for Whites and Blacks from 1975-2007  
and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2007

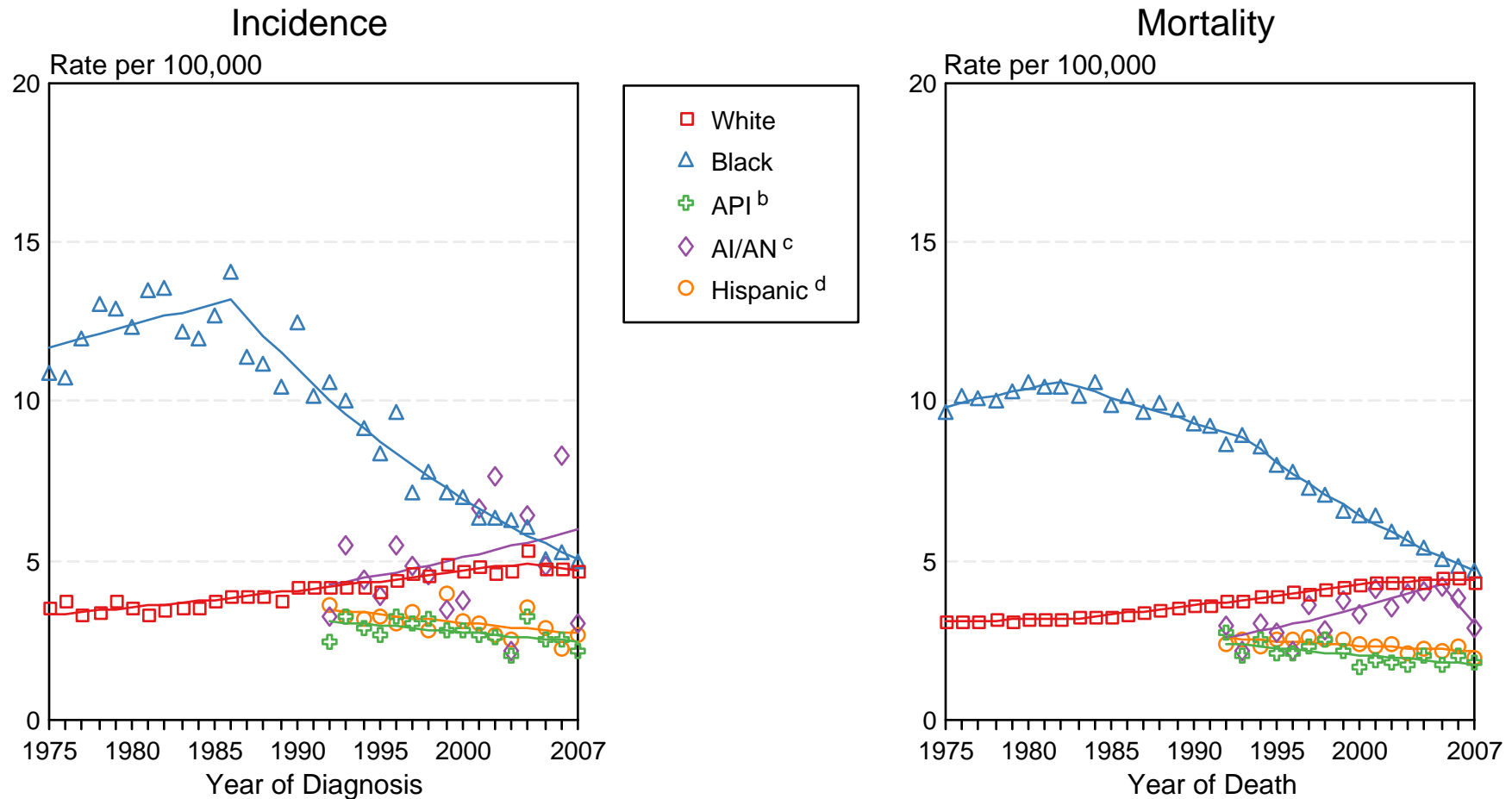


Figure 8.2

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 3.4.3, April 2010, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2007 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2007 allow a maximum of 2 joinpoints.

<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, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table 9.15  
Hodgkin Lymphoma

SEER Incidence and U.S. Mortality  
Age-Adjusted Rates and Trends<sup>a</sup>  
By Race/Ethnicity and Sex

SEER Incidence	SEER 17 Areas <sup>b</sup>			SEER 13 Areas <sup>b</sup>			SEER 9 Areas <sup>b</sup>		
	Rate 2003-2007			Trend 1998-2007 <sup>c</sup>			Trend 1998-2007 <sup>d</sup>		
	Rate per 100,000 persons			AAPC (%)			AAPC (%)		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
RACE/ETHNICITY									
All Races	2.8	3.2	2.5	0.8*	0.3	0.3	1.1*	1.1	0.4*
White	3.0	3.4	2.7	0.4	0.2	0.2	0.9	0.9	0.3*
White Hispanic <sup>e</sup>	2.4	2.9	2.1	0.0	-0.3	0.3	-	-	-
White Non-Hispanic <sup>e</sup>	3.3	3.7	3.0	1.0	0.5	0.5	-	-	-
Black	2.6	3.0	2.3	1.0	1.3*	0.7	1.2*	0.3	2.4*
Asian/Pacific Islander	1.3	1.5	1.1	3.5*	2.8*	4.4*	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	1.0	-	-	-	-	-	-	-	-
Hispanic <sup>e</sup>	2.4	2.8	2.0	0.1	-0.1	0.3	-	-	-
U.S. Mortality <sup>g</sup>									
	Rate 2003-2007			Trend 1998-2007 <sup>h</sup>					
	Rate per 100,000 persons			AAPC (%)					
	Total	Males	Females	Total	Males	Females			
RACE/ETHNICITY									
All Races	0.4	0.5	0.3	-2.3*	-2.1*	-2.6*			
White	0.4	0.5	0.4	-2.2*	-2.0*	-2.6*			
White Hispanic <sup>e</sup>	0.4	0.6	0.4	-3.3*	-3.8*	-2.7*			
White Non-Hispanic <sup>e</sup>	0.5	0.6	0.4	-2.3*	-1.6*	-2.3*			
Black	0.4	0.5	0.3	-3.0*	-3.4*	-2.6*			
Asian/Pacific Islander	0.2	0.2	0.2	-	-	-			
Amer Ind/Alaska Nat									
Total U.S.	0.2	0.3	-	-	-	-			
CHSDA Counties	0.3	-	-	-	-	-			
Non-CHSDA Counties	-	-	-	-	-	-			
Hispanic <sup>e</sup>	0.4	0.5	0.3	-3.3*	-3.8*	-2.7*			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.4.3, April 2010, 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 The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, 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.

c The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.

d The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.

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. The 2003-2007 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, New Hampshire, and North Dakota. The 1998-2007 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, the District of Columbia, 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 1998-2007 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2007.

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

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

Joinpoint Analyses for Whites and Blacks from 1975-2007  
and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2007

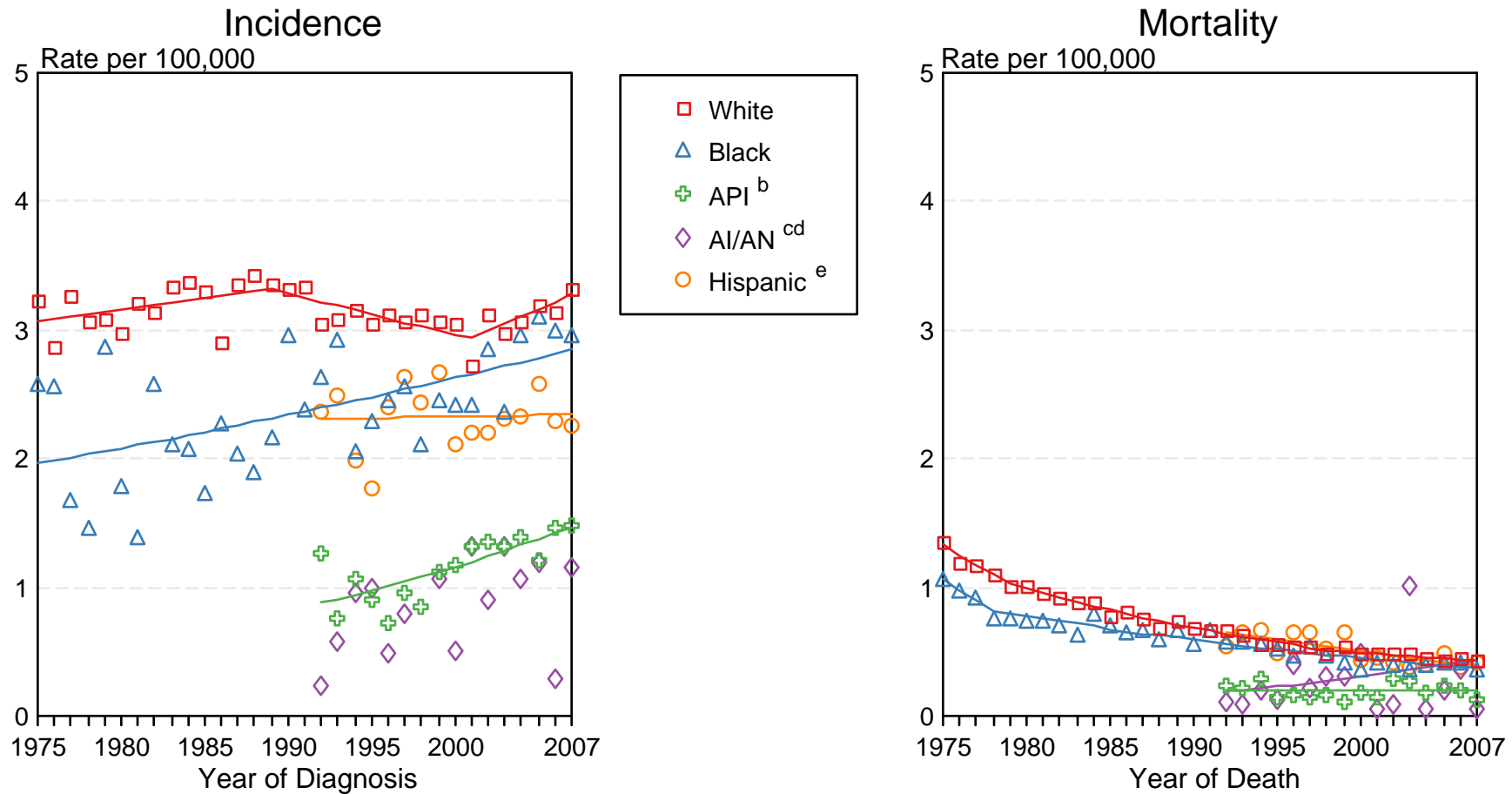


Figure 9.2

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 3.4.3, April 2010, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2007 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2007 allow a maximum of 2 joinpoints.

<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, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table 10.13  
Kaposi Sarcoma

SEER Incidence  
Age-Adjusted Rates and Trends<sup>a</sup>  
By Race/Ethnicity and Sex

SEER Incidence	SEER 17 Areas <sup>b</sup>			SEER 13 Areas <sup>b</sup>			SEER 9 Areas <sup>b</sup>		
	Rate 2003-2007			Trend 1998-2007 <sup>c</sup>			Trend 1998-2007 <sup>d</sup>		
	Rate per 100,000 persons			AAPC (%)			AAPC (%)		
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	0.6	1.2	0.1	-3.3*	-3.2*	-6.4*	-2.3	-2.5	-6.1*
White	0.6	1.0	0.1	-3.0*	-2.9*	-	-2.1	-2.3	-5.3*
White Hispanic <sup>e</sup>	0.9	1.6	0.2	-3.3	-2.3	-	-	-	-
White Non-Hispanic <sup>e</sup>	0.5	0.9	0.1	-3.2	-3.3	-	-	-	-
Black	1.2	2.4	0.2	-4.7*	-4.5*	-	-4.0*	-3.7	-
Asian/Pacific Islander	0.2	0.4	-	-	-	-	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	-	-	-	-	-	-	-	-	-
Hispanic <sup>e</sup>	0.9	1.6	0.2	-3.7	-2.5	-	-	-	-

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.4.3, April 2010, 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> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, 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.

<sup>c</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.

<sup>d</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.

<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.

<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 11.15  
Cancer of the Kidney and Renal Pelvis (Invasive)

SEER Incidence and U.S. Mortality  
Age-Adjusted Rates and Trends<sup>a</sup>  
By Race/Ethnicity and Sex

SEER Incidence	SEER 17 Areas <sup>b</sup>			SEER 13 Areas <sup>b</sup>			SEER 9 Areas <sup>b</sup>		
	Rate 2003-2007			Trend 1998-2007 <sup>c</sup>			Trend 1998-2007 <sup>d</sup>		
	Rate per 100,000 persons			AAPC (%)			AAPC (%)		
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	14.1	19.2	9.9	2.5*	1.9*	2.3*	2.6*	1.8*	2.3*
White	14.5	19.7	10.2	2.2*	1.9*	2.4*	2.7*	1.7*	3.3*
White Hispanic <sup>e</sup>	13.8	18.1	10.3	2.4*	2.0*	2.7*	-	-	-
White Non-Hispanic <sup>e</sup>	14.7	20.1	10.2	2.2*	1.9*	2.8*	-	-	-
Black	15.4	21.8	10.7	2.0*	1.8*	2.1*	2.7*	2.6*	2.8*
Asian/Pacific Islander	7.3	10.2	5.1	2.6*	2.1*	3.5*	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	17.4	21.2	14.1	0.8	0.2	-	-	-	-
Hispanic <sup>e</sup>	13.3	17.5	10.0	2.5*	2.2*	2.7*	-	-	-
<u>U.S. Mortality<sup>g</sup></u>									
RACE/ETHNICITY	Rate 2003-2007			Trend 1998-2007 <sup>h</sup>					
	Rate per 100,000 persons			AAPC (%)					
	Total	Males	Females	Total	Males	Females			
All Races	4.1	5.9	2.7	-0.4*	-0.8*	-0.6*			
White	4.2	6.0	2.7	-0.3*	-0.8*	-0.5*			
White Hispanic <sup>e</sup>	3.8	5.4	2.5	0.1	0.1	-0.2			
White Non-Hispanic <sup>e</sup>	4.2	6.0	2.8	-0.3*	-0.8*	-0.5*			
Black	4.0	6.0	2.7	-0.3	-0.3	-0.5			
Asian/Pacific Islander	1.8	2.6	1.2	0.2	-0.3	0.4			
Amer Ind/Alaska Nat									
Total U.S.	4.4	6.5	2.7	-0.8	-0.1	-2.6*			
CHSDA Counties	6.0	8.8	3.8	-0.4	0.0	-1.7			
Non-CHSDA Counties	2.4	3.7	1.4	-	-	-			
Hispanic <sup>e</sup>	3.6	5.2	2.4	0.1	0.1	-0.1			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.4.3, April 2010, 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 The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, 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.

c The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.

d The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.

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. The 2003-2007 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, New Hampshire, and North Dakota. The 1998-2007 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, the District of Columbia, 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 1998-2007 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2007.

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

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

Joinpoint Analyses for Whites and Blacks from 1975-2007  
and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2007

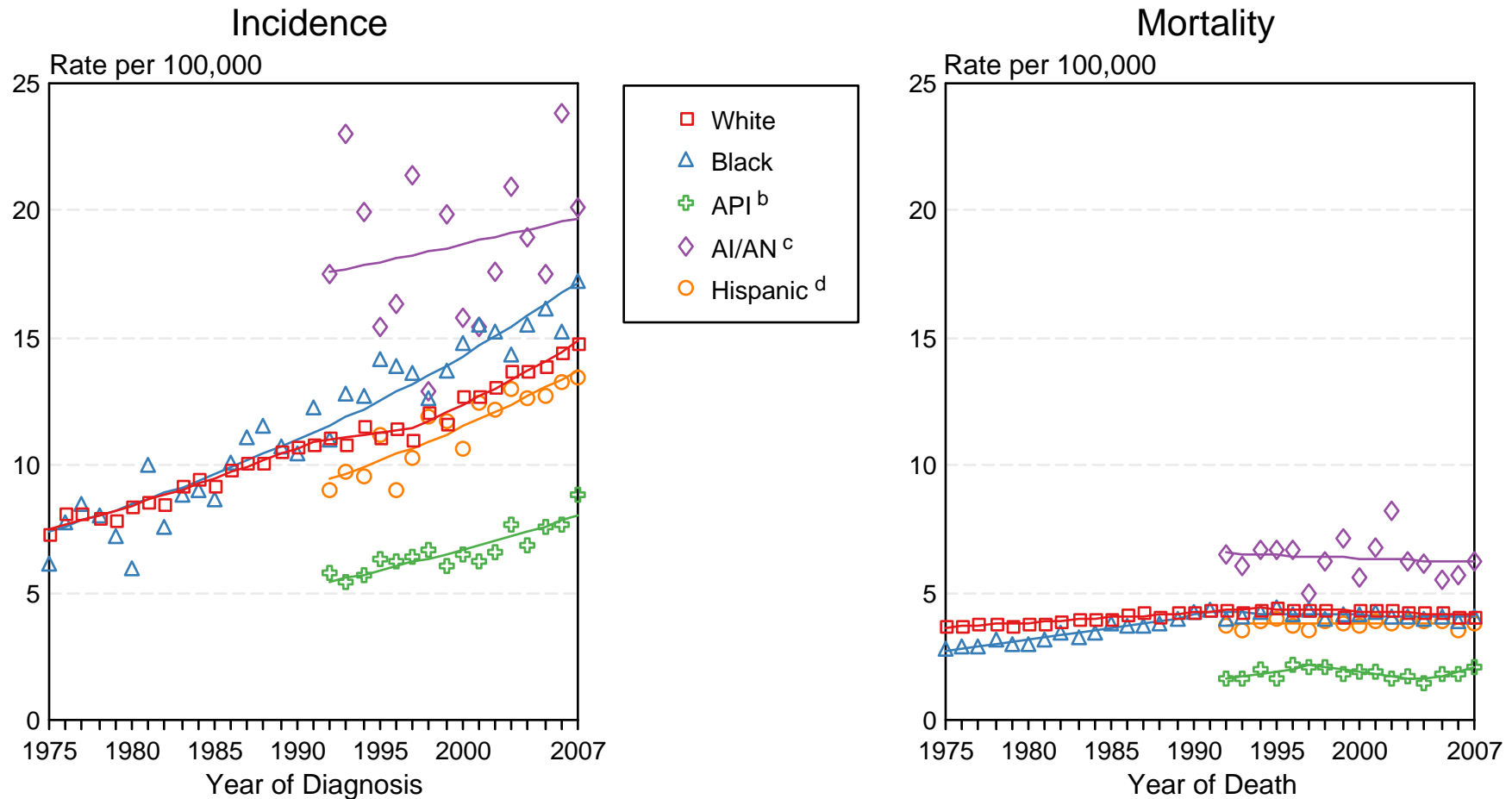


Figure 11.2

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 3.4.3, April 2010, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2007 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2007 allow a maximum of 2 joinpoints.

<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, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.



Table 12.15  
Cancer of the Larynx (Invasive)

SEER Incidence and U.S. Mortality  
Age-Adjusted Rates and Trends<sup>a</sup>  
By Race/Ethnicity and Sex

SEER Incidence	SEER 17 Areas <sup>b</sup>			SEER 13 Areas <sup>b</sup>			SEER 9 Areas <sup>b</sup>		
	Rate 2003-2007			Trend 1998-2007 <sup>c</sup>			Trend 1998-2007 <sup>d</sup>		
	Rate per 100,000 persons			AAPC (%)			AAPC (%)		
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	3.4	6.1	1.3	-3.0*	-3.1*	-3.1*	-2.6*	-2.8*	-2.6*
White	3.4	6.1	1.3	-2.8*	-2.9*	-2.7*	-2.6*	-2.9*	-2.3*
White Hispanic <sup>e</sup>	2.4	4.7	0.6	-2.5*	-2.5*	-	-	-	-
White Non-Hispanic <sup>e</sup>	3.6	6.3	1.4	-2.7*	-2.9*	-2.5*	-	-	-
Black	5.4	10.3	1.9	-3.3*	-3.3*	-3.3*	-2.8*	-2.7*	-2.8*
Asian/Pacific Islander	1.2	2.4	0.3	-3.8*	-3.5*	-	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	1.5	2.4	-	-	-	-	-	-	-
Hispanic <sup>e</sup>	2.4	4.6	0.6	-2.4*	-2.4*	-	-	-	-
<u>U.S. Mortality<sup>g</sup></u>									
	Rate 2003-2007			Trend 1998-2007 <sup>h</sup>					
	Rate per 100,000 persons			AAPC (%)					
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females			
All Races	1.2	2.2	0.5	-2.1*	-2.4*	-1.9*			
White	1.1	2.0	0.4	-1.9*	-2.3*	-1.5*			
White Hispanic <sup>e</sup>	0.9	1.9	0.2	-3.0*	-3.2*	-			
White Non-Hispanic <sup>e</sup>	1.2	2.1	0.5	-1.6*	-2.0*	-1.1*			
Black	2.3	4.6	0.7	-3.0*	-2.9*	-3.2*			
Asian/Pacific Islander	0.4	0.8	0.1	-2.5*	-1.7	-			
Amer Ind/Alaska Nat									
Total U.S.	0.9	1.6	0.3	-	-	-			
CHSDA Counties	0.9	1.9	-	-	-	-			
Non-CHSDA Counties	0.8	1.2	-	-	-	-			
Hispanic <sup>e</sup>	0.9	1.8	0.1	-3.0*	-3.2*	-			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.4.3, April 2010, 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 The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, 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.

c The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.

d The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.

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. The 2003-2007 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, New Hampshire, and North Dakota. The 1998-2007 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, the District of Columbia, 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 1998-2007 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2007.

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

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

Joinpoint Analyses for Whites and Blacks from 1975-2007

and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2007

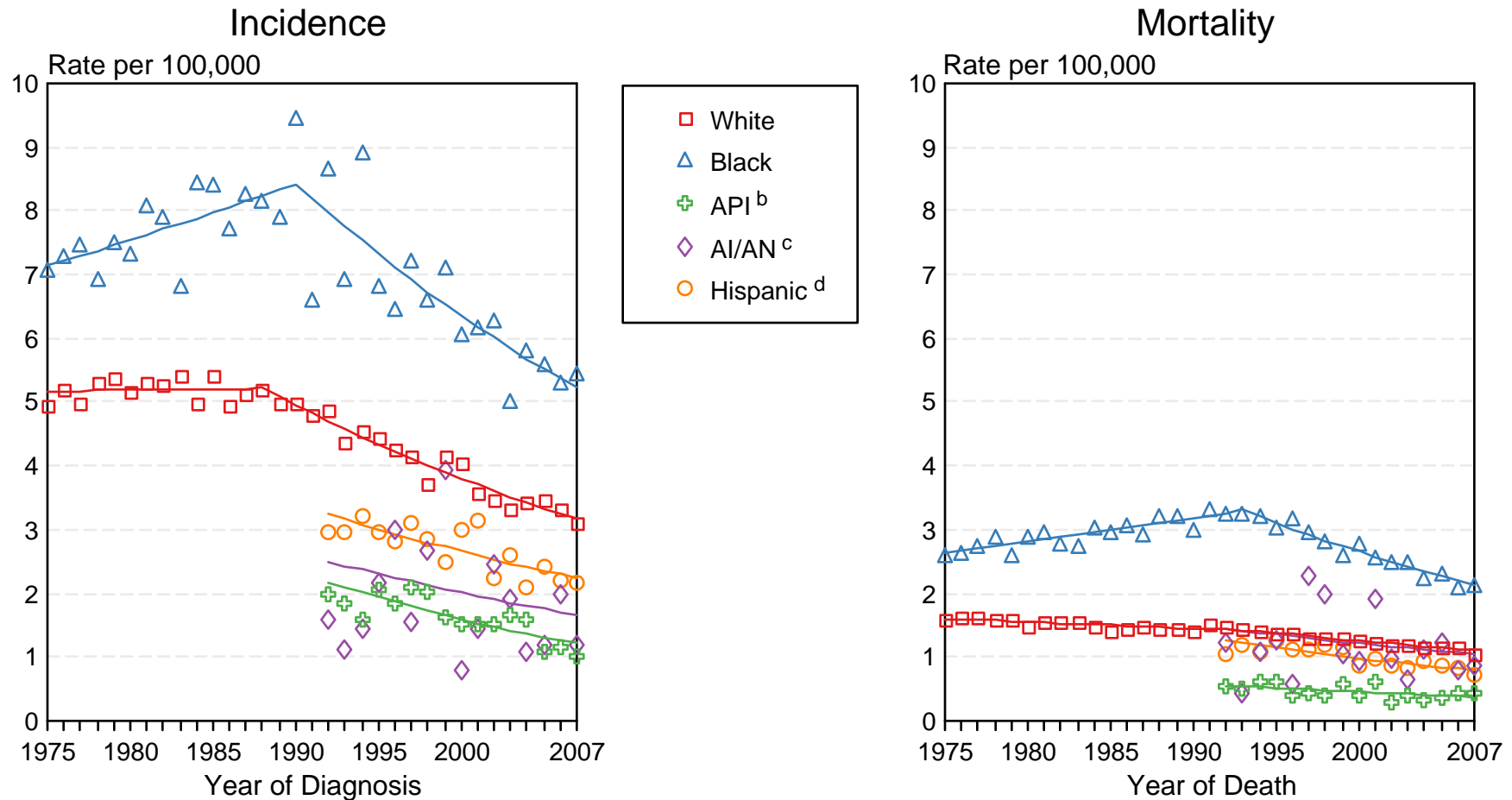


Figure 12.2

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 3.4.3, April 2010, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2007 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2007 allow a maximum of 2 joinpoints.

<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, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table 13.23  
Leukemia

SEER Incidence and U.S. Mortality  
Age-Adjusted Rates and Trends<sup>a</sup>  
By Race/Ethnicity and Sex

SEER Incidence	SEER 17 Areas <sup>b</sup>			SEER 13 Areas <sup>b</sup>			SEER 9 Areas <sup>b</sup>		
	Rate 2003-2007			Trend 1998-2007 <sup>c</sup>			Trend 1998-2007 <sup>d</sup>		
	Rate per 100,000 persons			AAPC (%)			AAPC (%)		
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	12.3	15.8	9.6	-0.9*	-0.6*	-0.3	-1.1*	-1.3*	0.0
White	12.9	16.6	10.0	-0.3*	-0.6*	-0.1	-0.8*	-1.2*	0.2*
White Hispanic <sup>e</sup>	9.7	11.5	8.2	-0.4	-0.5	-0.4	-	-	-
White Non-Hispanic <sup>e</sup>	13.2	17.1	10.2	-0.2	-0.5*	0.0	-	-	-
Black	9.8	12.7	7.8	-0.6	-0.6	-0.4	-0.4*	-0.4*	-0.4
Asian/Pacific Islander	7.2	8.8	6.0	-0.9*	-0.8	-0.8*	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	6.5	7.2	5.9	1.5	-	-	-	-	-
Hispanic <sup>e</sup>	9.5	11.2	8.0	-0.3	-0.4	-0.2	-	-	-
<u>U.S. Mortality<sup>g</sup></u>									
RACE/ETHNICITY	Rate 2003-2007			Trend 1998-2007 <sup>h</sup>					
	Rate per 100,000 persons			AAPC (%)					
	Total	Males	Females	Total	Males	Females			
All Races	7.2	9.7	5.4	-1.0*	-0.8*	-1.3*			
White	7.4	10.0	5.6	-0.9*	-0.7*	-1.2*			
White Hispanic <sup>e</sup>	5.0	6.3	4.1	-1.7*	-0.9*	-1.1*			
White Non-Hispanic <sup>e</sup>	7.5	10.2	5.6	-0.8*	-0.7*	-1.2*			
Black	6.3	8.4	5.0	-1.2*	-1.2*	-1.1*			
Asian/Pacific Islander	3.8	4.9	2.9	-1.5*	-1.1*	-1.8*			
Amer Ind/Alaska Nat									
Total U.S.	3.6	4.2	3.1	-1.7*	-2.8*	-1.4			
CHSDA Counties	4.8	5.8	3.9	-0.2	-0.6	-			
Non-CHSDA Counties	2.1	2.2	2.0	-4.1*	-	-			
Hispanic <sup>e</sup>	4.8	6.0	3.9	-1.7*	-2.0*	-1.1*			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.4.3, April 2010, 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

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

The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry and Rural Georgia.

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

d The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.

e The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.

f 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. The 2003-2007 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, New Hampshire, and North Dakota. The 1998-2007 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.

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

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

i The 1998-2007 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2007.

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

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

Joinpoint Analyses for Whites and Blacks from 1975-2007  
and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2007

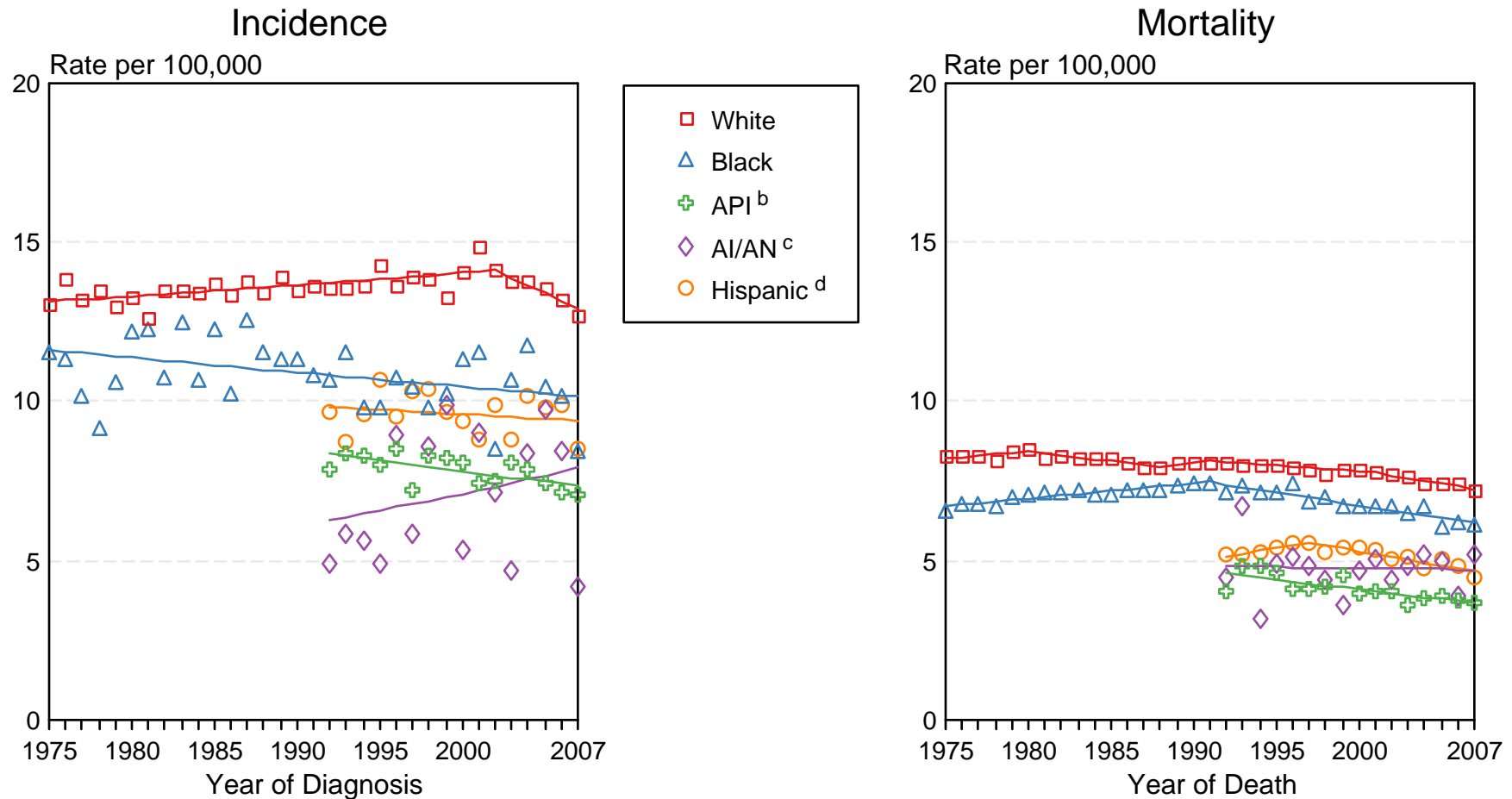


Figure 13.3

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 3.4.3, April 2010, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2007 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2007 allow a maximum of 2 joinpoints.

<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, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table 14.15  
Cancer of the Liver and Intrahepatic Bile Duct (Invasive)

SEER Incidence and U.S. Mortality  
Age-Adjusted Rates and Trends<sup>a</sup>  
By Race/Ethnicity and Sex

SEER Incidence	SEER 17 Areas <sup>b</sup>			SEER 13 Areas <sup>b</sup>			SEER 9 Areas <sup>b</sup>		
	Rate 2003-2007			Trend 1998-2007 <sup>c</sup>			Trend 1998-2007 <sup>d</sup>		
	Rate per 100,000 persons			AAPC (%)			AAPC (%)		
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	6.9	10.7	3.7	2.6*	3.2*	1.5*	2.7*	3.5*	1.7*
White	5.9	9.1	3.1	2.7	3.3*	1.0*	2.5*	3.2*	0.7
White Hispanic <sup>e</sup>	10.7	16.0	6.1	2.5*	2.3*	2.3*	-	-	-
White Non-Hispanic <sup>e</sup>	5.1	8.0	2.7	2.3	3.0*	0.6	-	-	-
Black	8.6	14.0	4.4	3.7*	4.0*	2.6*	3.1*	3.3*	2.6*
Asian/Pacific Islander	14.4	21.7	8.3	0.8*	0.9*	0.7	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	10.6	14.6	6.9	0.9	-	-	-	-	-
Hispanic <sup>e</sup>	10.5	15.6	6.0	2.7*	2.4*	2.4*	-	-	-
<u>U.S. Mortality<sup>g</sup></u>									
	Rate 2003-2007			Trend 1998-2007 <sup>h</sup>					
	Rate per 100,000 persons			AAPC (%)					
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females			
All Races	5.2	7.7	3.2	2.0*	2.1*	1.3*			
White	4.8	7.0	3.0	2.1*	2.2*	1.4*			
White Hispanic <sup>e</sup>	8.3	11.8	5.4	1.6*	1.4*	1.5*			
White Non-Hispanic <sup>e</sup>	4.5	6.6	2.8	2.0*	2.1*	1.1*			
Black	7.0	11.1	3.9	1.7*	2.2*	0.6			
Asian/Pacific Islander	10.1	14.7	6.4	-0.9*	-1.0*	-0.6			
Amer Ind/Alaska Nat									
Total U.S.	6.4	8.2	4.7	1.8*	1.2	1.9			
CHSDA Counties	8.6	10.9	6.6	1.9*	1.4	2.1			
Non-CHSDA Counties	3.6	5.0	2.3	-	-	-			
Hispanic <sup>e</sup>	8.0	11.3	5.2	1.6*	1.3*	1.4*			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.4.3, April 2010, 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 The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, 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.

c The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.

d The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.

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. The 2003-2007 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, New Hampshire, and North Dakota. The 1998-2007 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, the District of Columbia, 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 1998-2007 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2007.

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

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

## Cancer of the Liver and Intrahepatic Bile Duct, Both Sexes

### Joinpoint Analyses for Whites and Blacks from 1975-2007

### and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2007

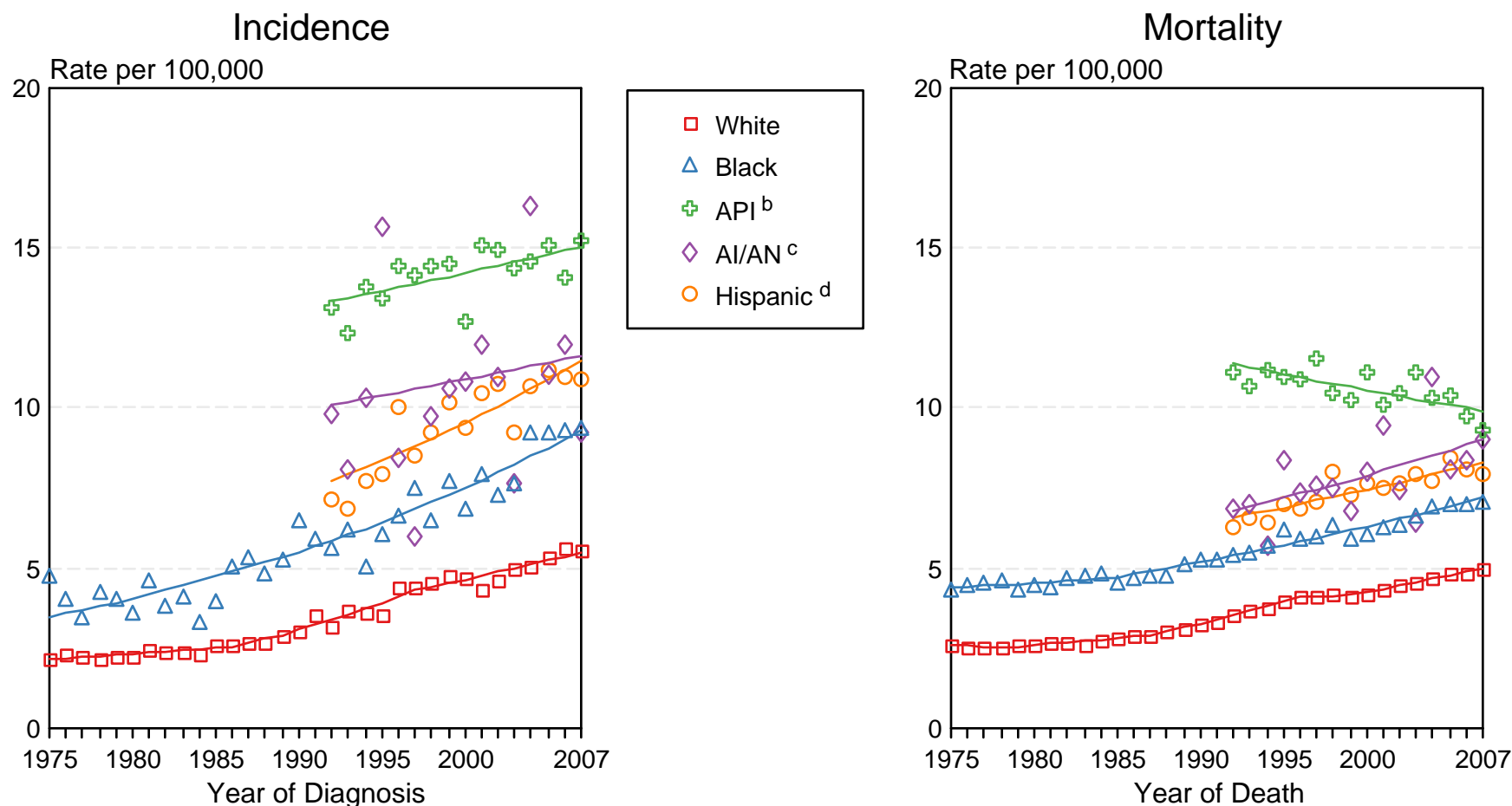


Figure 14.2

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 3.4.3, April 2010, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2007 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2007 allow a maximum of 2 joinpoints.

<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, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table 15.21  
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	SEER 17 Areas <sup>b</sup>			SEER 13 Areas <sup>b</sup>			SEER 9 Areas <sup>b</sup>		
	Rate 2003-2007			Trend 1998-2007 <sup>c</sup>			Trend 1998-2007 <sup>d</sup>		
	Rate per 100,000 persons			AAPC (%)			AAPC (%)		
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	62.5	76.2	52.4	-1.2*	-2.1*	-0.6*	-0.8*	-2.0*	-0.1
White	63.8	76.3	54.7	-1.4*	-2.1*	-0.5*	-1.1*	-2.2*	0.0
White Hispanic <sup>e</sup>	32.7	42.1	25.8	-1.8*	-2.5*	-1.1*	-	-	-
White Non-Hispanic <sup>e</sup>	68.3	81.1	59.0	-1.2*	-1.9*	-0.3	-	-	-
Black	73.5	101.2	54.8	-1.5*	-2.8*	0.3	-2.0*	-3.4*	0.3
Asian/Pacific Islander	38.7	52.9	28.1	-1.2	-1.2*	0.2	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	45.3	52.7	39.7	-0.5	-2.1*	1.7	-	-	-
Hispanic <sup>e</sup>	32.1	41.4	25.4	-1.7*	-2.3*	-1.0*	-	-	-
<u>U.S. Mortality<sup>g</sup></u>									
	Rate 2003-2007			Trend 1998-2007 <sup>h</sup>					
	Rate per 100,000 persons			AAPC (%)					
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females			
All Races	52.5	68.8	40.6	-1.2*	-2.0*	-0.2			
White	52.9	68.3	41.6	-1.1*	-2.0*	-0.1			
White Hispanic <sup>e</sup>	22.8	33.4	14.9	-2.2*	-3.5*	-0.3			
White Non-Hispanic <sup>e</sup>	55.4	71.1	43.8	-0.9*	-1.7*	0.1			
Black	58.6	87.5	39.6	-1.9*	-2.8*	-0.3			
Asian/Pacific Islander	26.2	36.7	18.5	-1.3*	-1.6*	-0.4			
Amer Ind/Alaska Nat									
Total U.S.	33.7	41.1	28.1	-0.9*	-3.8	0.8*			
CHSDA Counties	39.7	48.1	33.3	-0.2	-1.5*	1.5*			
Non-CHSDA Counties	26.4	32.5	21.6	-1.8*	-3.4*	0.0			
Hispanic <sup>e</sup>	22.1	32.5	14.4	-2.2*	-3.4*	-0.3			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.4.3, April 2010, 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 The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, 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.

c The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.

d The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.

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. The 2003-2007 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, New Hampshire, and North Dakota. The 1998-2007 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, the District of Columbia, 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 1998-2007 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2007.

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

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

and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2007

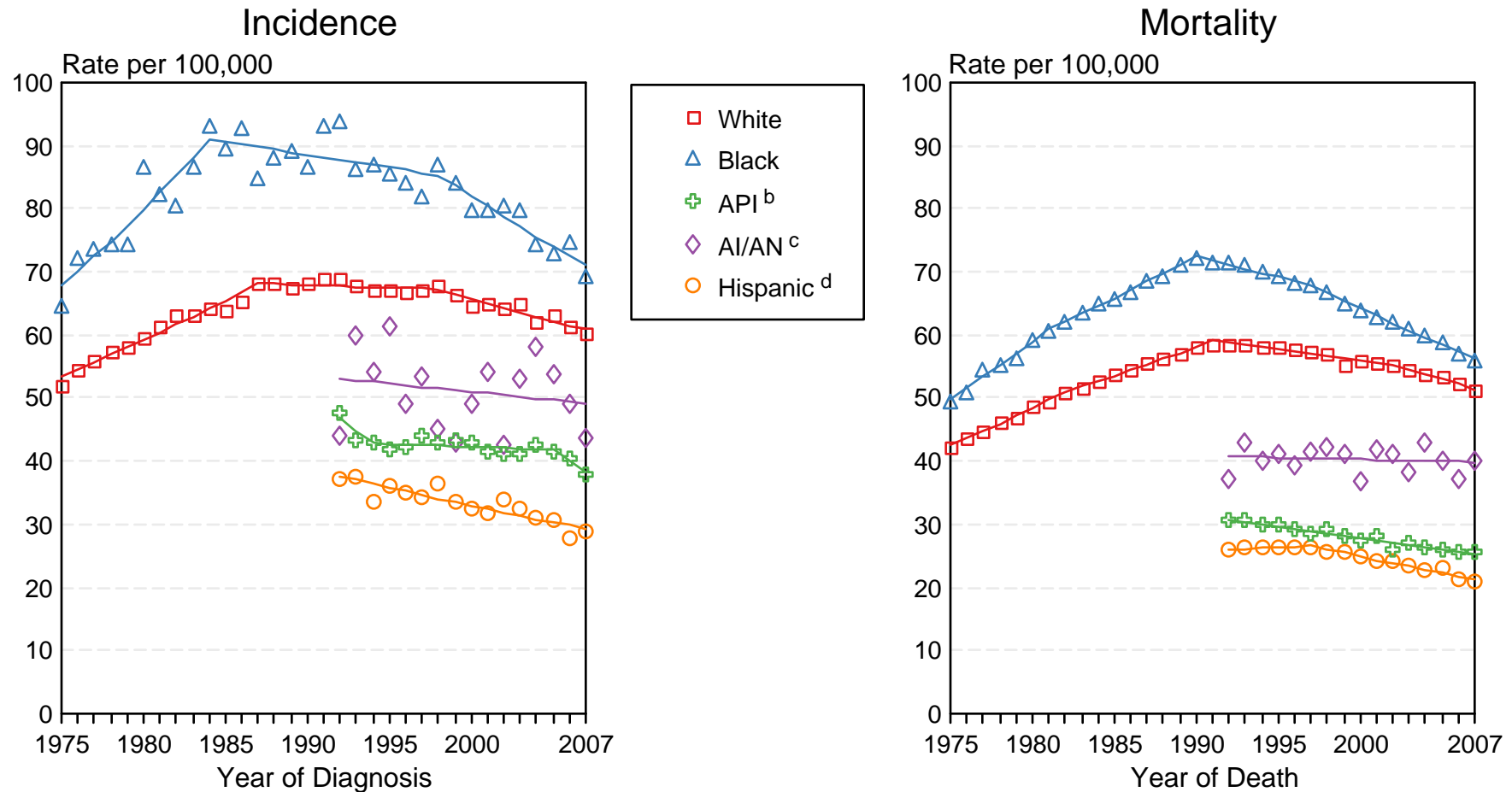


Figure 15.4

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 3.4.3, April 2010, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2007 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2007 allow a maximum of 2 joinpoints.

<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, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.



Table 16.15  
Melanoma of the Skin (Invasive)

SEER Incidence and U.S. Mortality  
Age-Adjusted Rates and Trends<sup>a</sup>  
By Race/Ethnicity and Sex

SEER Incidence	SEER 17 Areas <sup>b</sup>			SEER 13 Areas <sup>b</sup>			SEER 9 Areas <sup>b</sup>		
	Rate 2003-2007			Trend 1998-2007 <sup>c</sup>			Trend 1998-2007 <sup>d</sup>		
	Rate per 100,000 persons			AAPC (%)			AAPC (%)		
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	20.1	25.6	16.2	1.6*	1.7*	1.5*	2.6*	2.0*	2.3*
White	23.5	29.7	19.1	2.6*	2.6*	2.0*	2.1*	2.2*	2.3*
White Hispanic <sup>e</sup>	4.5	4.4	4.8	-0.8	1.3	0.7	-	-	-
White Non-Hispanic <sup>e</sup>	27.4	34.3	22.6	3.1*	3.1*	3.2*	-	-	-
Black	1.0	1.1	1.0	-3.5*	-	-	-0.3	0.2	-0.7
Asian/Pacific Islander	1.4	1.6	1.3	1.4	1.6	1.4	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	3.8	4.1	3.7	-	-	-	-	-	-
Hispanic <sup>e</sup>	4.5	4.4	4.7	-1.0	1.1	0.6	-	-	-
<u>U.S. Mortality<sup>g</sup></u>									
RACE/ETHNICITY	Rate 2003-2007			Trend 1998-2007 <sup>h</sup>					
	Rate per 100,000 persons			AAPC (%)					
	Total	Males	Females	Total	Males	Females			
All Races	2.7	4.0	1.7	-0.1	0.2	-0.6*			
White	3.1	4.5	2.0	0.1	0.3*	-0.4*			
White Hispanic <sup>e</sup>	0.8	1.0	0.6	-0.6	-0.3	-0.9			
White Non-Hispanic <sup>e</sup>	3.3	4.8	2.1	0.3*	0.5*	-0.2			
Black	0.4	0.5	0.4	-0.9	0.4	-1.7			
Asian/Pacific Islander	0.4	0.4	0.3	-0.6	-	-			
Amer Ind/Alaska Nat									
Total U.S.	0.8	1.1	0.6	-	-	-			
CHSDA Counties	1.1	1.6	0.8	-	-	-			
Non-CHSDA Counties	0.5	-	-	-	-	-			
Hispanic <sup>e</sup>	0.7	1.0	0.6	-0.5	-0.4	-0.7			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.4.3, April 2010, 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 The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, 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.

c The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.

d The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.

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. The 2003-2007 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, New Hampshire, and North Dakota. The 1998-2007 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, the District of Columbia, 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 1998-2007 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2007.

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

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

Joinpoint Analyses for Whites and Blacks from 1975-2007

and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2007

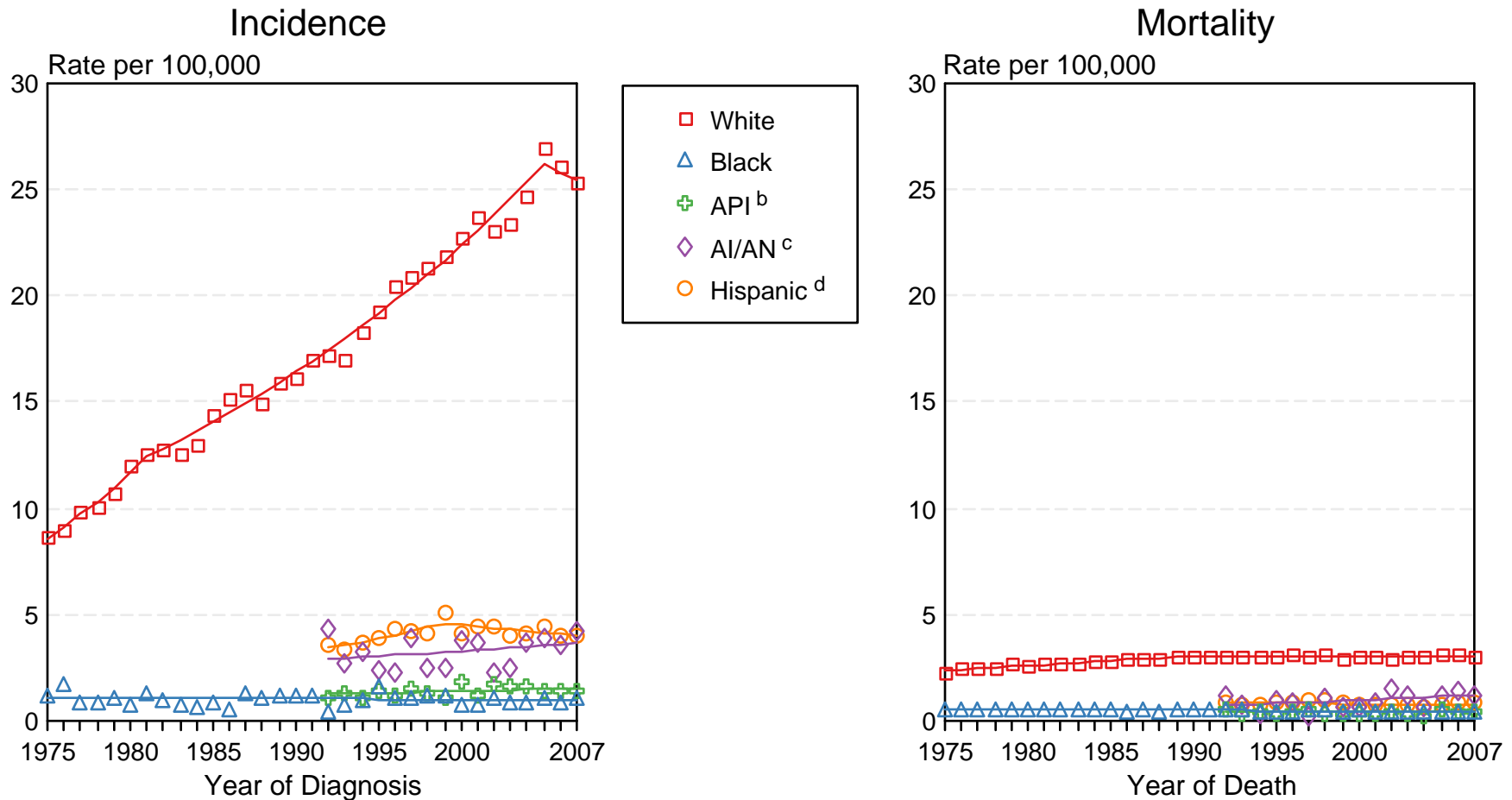


Figure 16.2

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 3.4.3, April 2010, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2007 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2007 allow a maximum of 2 joinpoints.

<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, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table 17.11  
Mesothelioma

SEER Incidence  
Age-Adjusted Rates and Trends<sup>a</sup>  
By Race/Ethnicity and Sex

SEER Incidence	SEER 17 Areas <sup>b</sup>			SEER 13 Areas <sup>b</sup>			SEER 9 Areas <sup>b</sup>		
	Rate 2003-2007			Trend 1998-2007 <sup>c</sup>			Trend 1998-2007 <sup>d</sup>		
	Rate per 100,000 persons			AAPC (%)			AAPC (%)		
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	1.1	1.9	0.4	-1.1*	-1.6*	1.0	-1.2*	-1.8*	0.0
White	1.2	2.1	0.5	-0.7*	-1.3*	0.8*	-0.7	-1.5*	0.9*
White Hispanic <sup>e</sup>	1.0	1.6	0.5	-2.5*	-3.2*	-	-	-	-
White Non-Hispanic <sup>e</sup>	1.2	2.2	0.5	-0.6*	-1.1*	0.6	-	-	-
Black	0.6	1.2	0.3	-	-	-	-7.0*	-7.9*	-
Asian/Pacific Islander	0.4	0.6	0.2	-	-	-	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	0.8	-	-	-	-	-	-	-	-
Hispanic <sup>e</sup>	0.9	1.5	0.5	-2.3*	-3.0*	-	-	-	-

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.4.3, April 2010, 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> The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, 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.

<sup>c</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.

<sup>d</sup> The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.

<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.

<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 18.15  
Myeloma

SEER Incidence and U.S. Mortality  
Age-Adjusted Rates and Trends<sup>a</sup>  
By Race/Ethnicity and Sex

SEER Incidence	SEER 17 Areas <sup>b</sup>			SEER 13 Areas <sup>b</sup>			SEER 9 Areas <sup>b</sup>		
	Rate 2003-2007			Trend 1998-2007 <sup>c</sup>			Trend 1998-2007 <sup>d</sup>		
	Rate per 100,000 persons			AAPC (%)			AAPC (%)		
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	5.6	7.1	4.5	-1.1	-0.2	-1.8	-0.7*	-0.1	-1.1*
White	5.2	6.7	4.1	-0.2	-0.1	-1.8	-0.6	-0.5	-1.2*
White Hispanic <sup>e</sup>	5.4	6.4	4.6	-2.4	-0.9	-0.5	-	-	-
White Non-Hispanic <sup>e</sup>	5.2	6.7	4.0	-0.2	0.0	-0.7*	-	-	-
Black	11.7	14.3	10.0	-0.4	-0.1	-0.8	-0.9	0.2	-1.4
Asian/Pacific Islander	3.3	4.0	2.8	-0.7	-1.3*	0.1	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	4.5	4.8	4.4	-	-	-	-	-	-
Hispanic <sup>e</sup>	5.3	6.3	4.6	-2.1	-0.6	-0.4	-	-	-
<u>U.S. Mortality<sup>g</sup></u>									
RACE/ETHNICITY	Rate 2003-2007			Trend 1998-2007 <sup>h</sup>					
	Rate per 100,000 persons			AAPC (%)					
	Total	Males	Females	Total	Males	Females			
All Races	3.6	4.4	2.9	-1.3*	-1.1*	-1.7*			
White	3.3	4.2	2.7	-1.3*	-1.0*	-1.6*			
White Hispanic <sup>e</sup>	2.9	3.4	2.6	-0.6	-1.1	-1.5*			
White Non-Hispanic <sup>e</sup>	3.3	4.2	2.6	-1.2*	-0.9*	-1.7*			
Black	6.7	8.1	5.8	-1.9*	-1.8*	-2.1*			
Asian/Pacific Islander	1.7	2.0	1.4	-0.8	0.2	-0.4			
Amer Ind/Alaska Nat									
Total U.S.	2.7	3.3	2.3	-1.3	-	-			
CHSDA Counties	3.5	4.2	3.0	-1.1	-	-			
Non-CHSDA Counties	1.8	2.2	1.5	-	-	-			
Hispanic <sup>e</sup>	2.9	3.3	2.5	-0.5	-1.0	-1.4*			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.4.3, April 2010, 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 The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, 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.

c The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.

d The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.

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. The 2003-2007 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, New Hampshire, and North Dakota. The 1998-2007 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, the District of Columbia, 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 1998-2007 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2007.

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

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

Joinpoint Analyses for Whites and Blacks from 1975-2007  
and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2007

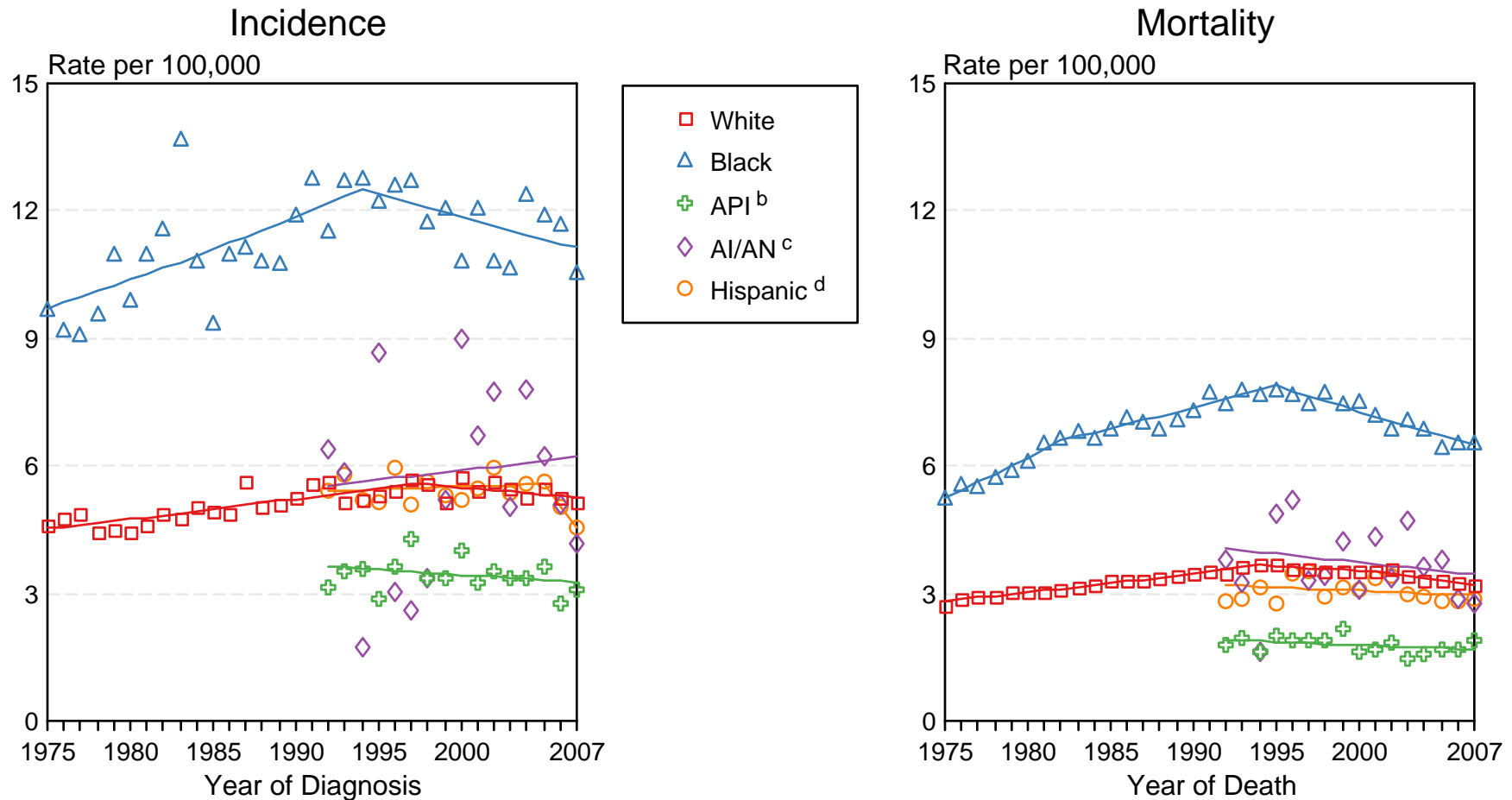


Figure 18.2

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 3.4.3, April 2010, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2007 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2007 allow a maximum of 2 joinpoints.

<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, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table 19.19  
Non-Hodgkin Lymphoma

SEER Incidence and U.S. Mortality  
Age-Adjusted Rates and Trends<sup>a</sup>  
By Race/Ethnicity and Sex

SEER Incidence	SEER 17 Areas <sup>b</sup>			SEER 13 Areas <sup>b</sup>			SEER 9 Areas <sup>b</sup>		
	Rate 2003-2007			Trend 1998-2007 <sup>c</sup>			Trend 1998-2007 <sup>d</sup>		
	Rate per 100,000 persons			AAPC (%)			AAPC (%)		
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	19.6	23.6	16.5	0.3*	-0.1	0.2	0.5*	0.2	0.3
White	20.5	24.6	17.2	0.3*	0.0	0.3	0.5*	0.3*	1.0*
White Hispanic <sup>e</sup>	16.8	19.2	14.8	-0.3	-0.8*	0.5	-	-	-
White Non-Hispanic <sup>e</sup>	21.1	25.5	17.6	0.5*	0.2	0.4	-	-	-
Black	14.7	17.8	12.3	0.5	-0.5	2.0*	-0.2	-0.8	2.5*
Asian/Pacific Islander	12.9	15.7	10.8	-0.2	-0.4	0.2	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	11.4	12.5	10.6	2.6	-	-	-	-	-
Hispanic <sup>e</sup>	16.5	18.7	14.5	-0.1	-0.6	0.6*	-	-	-
<u>U.S. Mortality<sup>g</sup></u>									
RACE/ETHNICITY	Rate 2003-2007			Trend 1998-2007 <sup>h</sup>					
	Rate per 100,000 persons			AAPC (%)					
	Total	Males	Females	Total	Males	Females			
All Races	6.9	8.7	5.5	-3.2*	-3.0*	-3.5*			
White	7.2	9.1	5.7	-3.2*	-2.9*	-3.5*			
White Hispanic <sup>e</sup>	5.5	6.6	4.6	-3.1*	-3.3*	-2.8*			
White Non-Hispanic <sup>e</sup>	7.3	9.2	5.8	-3.0*	-2.7*	-3.5*			
Black	4.8	6.0	3.9	-2.9*	-3.3*	-2.5*			
Asian/Pacific Islander	4.4	5.5	3.5	-2.2*	-2.3*	-1.8*			
Amer Ind/Alaska Nat									
Total U.S.	3.8	4.3	3.4	-0.9	-1.3	-0.6			
CHSDA Counties	4.9	5.3	4.6	0.3	-1.0	1.2			
Non-CHSDA Counties	2.4	3.2	1.8	-3.0	-	-			
Hispanic <sup>e</sup>	5.3	6.3	4.4	-3.2*	-3.4*	-2.8*			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.4.3, April 2010, 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 The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, 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.

c The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.

d The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.

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. The 2003-2007 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, New Hampshire, and North Dakota. The 1998-2007 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, the District of Columbia, 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 1998-2007 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2007.

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

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

Joinpoint Analyses for Whites and Blacks from 1975-2007  
and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2007

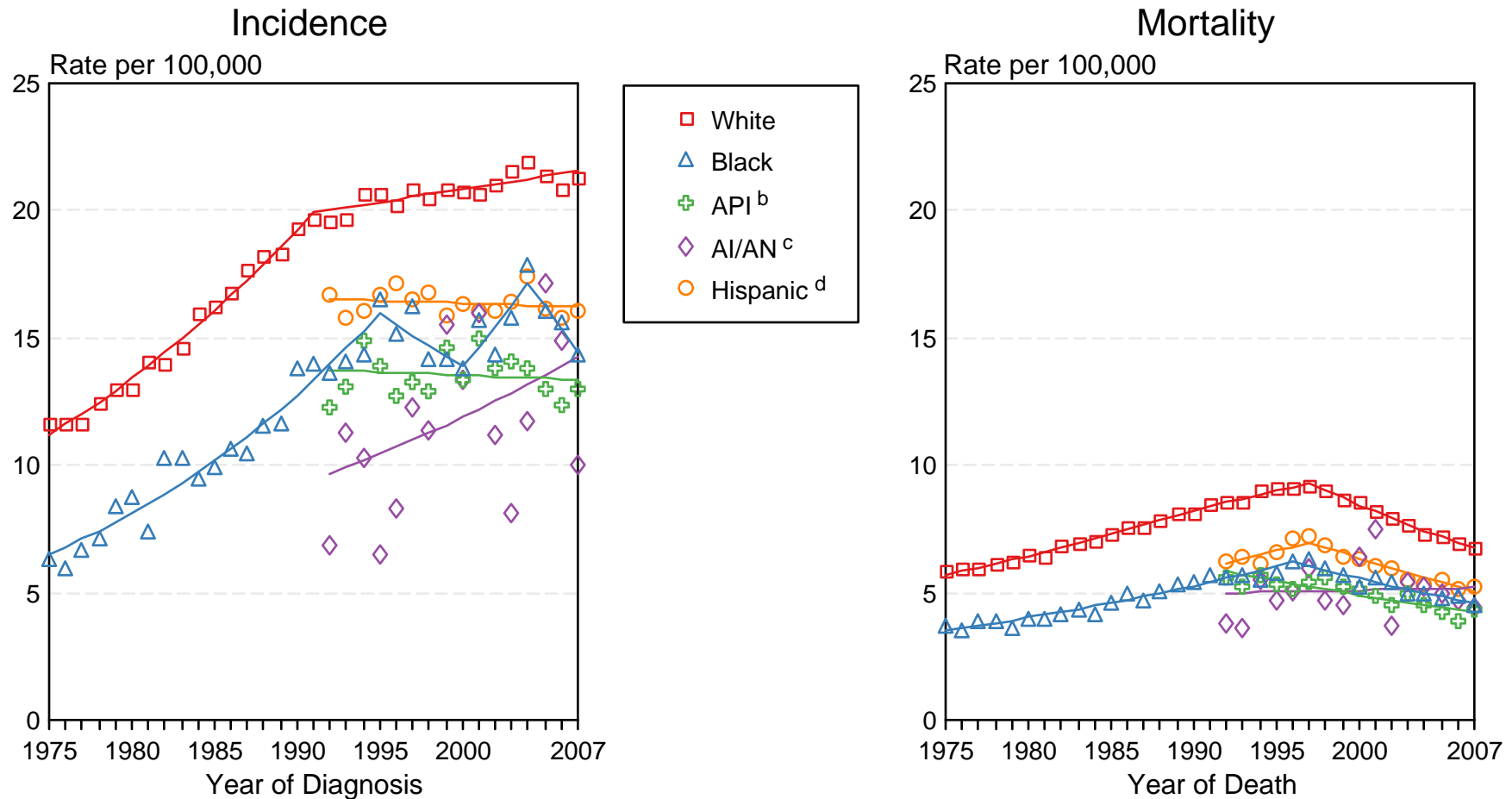


Figure 19.2

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 3.4.3, April 2010, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2007 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2007 allow a maximum of 2 joinpoints.

<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, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table 20.19  
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

SEER Incidence	SEER 17 Areas <sup>b</sup>			SEER 13 Areas <sup>b</sup>			SEER 9 Areas <sup>b</sup>		
	Rate 2003-2007			Trend 1998-2007 <sup>c</sup>			Trend 1998-2007 <sup>d</sup>		
	Rate per 100,000 persons			AAPC (%)			AAPC (%)		
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	10.4	15.4	6.1	-1.3*	-1.5*	-1.2*	-1.1*	-1.2*	-1.0*
White	10.5	15.7	6.1	-1.1*	-1.2*	-1.3*	-0.9*	-1.1*	-0.9*
White Hispanic <sup>e</sup>	6.0	8.8	3.7	-2.2*	-2.7*	-1.7*	-	-	-
White Non-Hispanic <sup>e</sup>	11.3	16.9	6.5	-0.8*	-0.9*	-1.1*	-	-	-
Black	10.2	16.1	5.8	-2.8*	-3.4*	-1.4*	-2.6*	-3.3*	-1.5*
Asian/Pacific Islander	7.6	10.5	5.3	-1.3*	-1.6*	-0.8	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	7.3	9.6	5.2	-3.9*	-	-	-	-	-
Hispanic <sup>e</sup>	5.9	8.7	3.6	-2.1*	-2.5*	-1.7*	-	-	-
<u>U.S. Mortality<sup>g</sup></u>									
	Rate 2003-2007			Trend 1998-2007 <sup>h</sup>					
	Rate per 100,000 persons			AAPC (%)					
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females			
All Races	2.5	3.9	1.4	-1.6*	-1.6*	-2.3*			
White	2.4	3.7	1.4	-1.7*	-1.2*	-2.1*			
White Hispanic <sup>e</sup>	1.6	2.5	0.8	-3.0*	-3.8*	-1.6*			
White Non-Hispanic <sup>e</sup>	2.5	3.8	1.5	-1.1*	-0.9*	-1.9*			
Black	3.6	6.3	1.5	-3.7*	-3.7*	-3.7*			
Asian/Pacific Islander	2.1	3.1	1.2	-2.6*	-2.8*	-1.8*			
Amer Ind/Alaska Nat									
Total U.S.	1.9	2.9	1.2	-1.7*	-2.4*	-			
CHSDA Counties	2.4	3.5	1.6	-1.9*	-	-			
Non-CHSDA Counties	1.3	2.1	0.7	-	-	-			
Hispanic <sup>e</sup>	1.5	2.5	0.8	-3.0*	-3.9*	-1.4*			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.4.3, April 2010, 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 The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, 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.

c The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.

d The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.

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. The 2003-2007 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, New Hampshire, and North Dakota. The 1998-2007 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, the District of Columbia, 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 1998-2007 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2007.

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



# 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 1975-2007  
and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2007

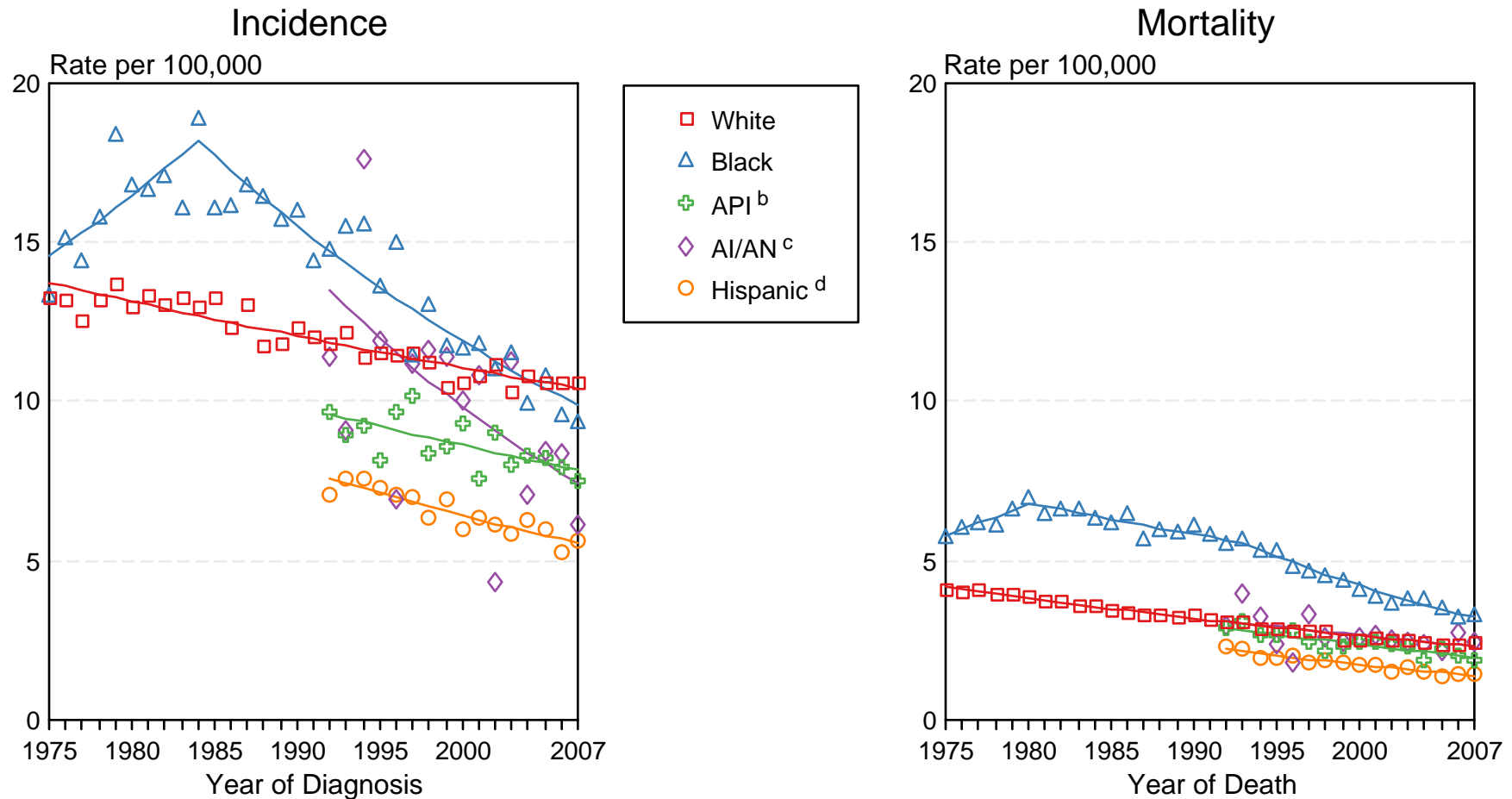


Figure 20.2

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 3.4.3, April 2010, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2007 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2007 allow a maximum of 2 joinpoints.

<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, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

# SEER Incidence Rates<sup>a</sup>

## Cancer of the Oral Cavity and Pharyngeal for Selected Subsites, Both Sexes

### Joinpoint Analyses for Whites and Blacks from 1975-2007

### and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2007

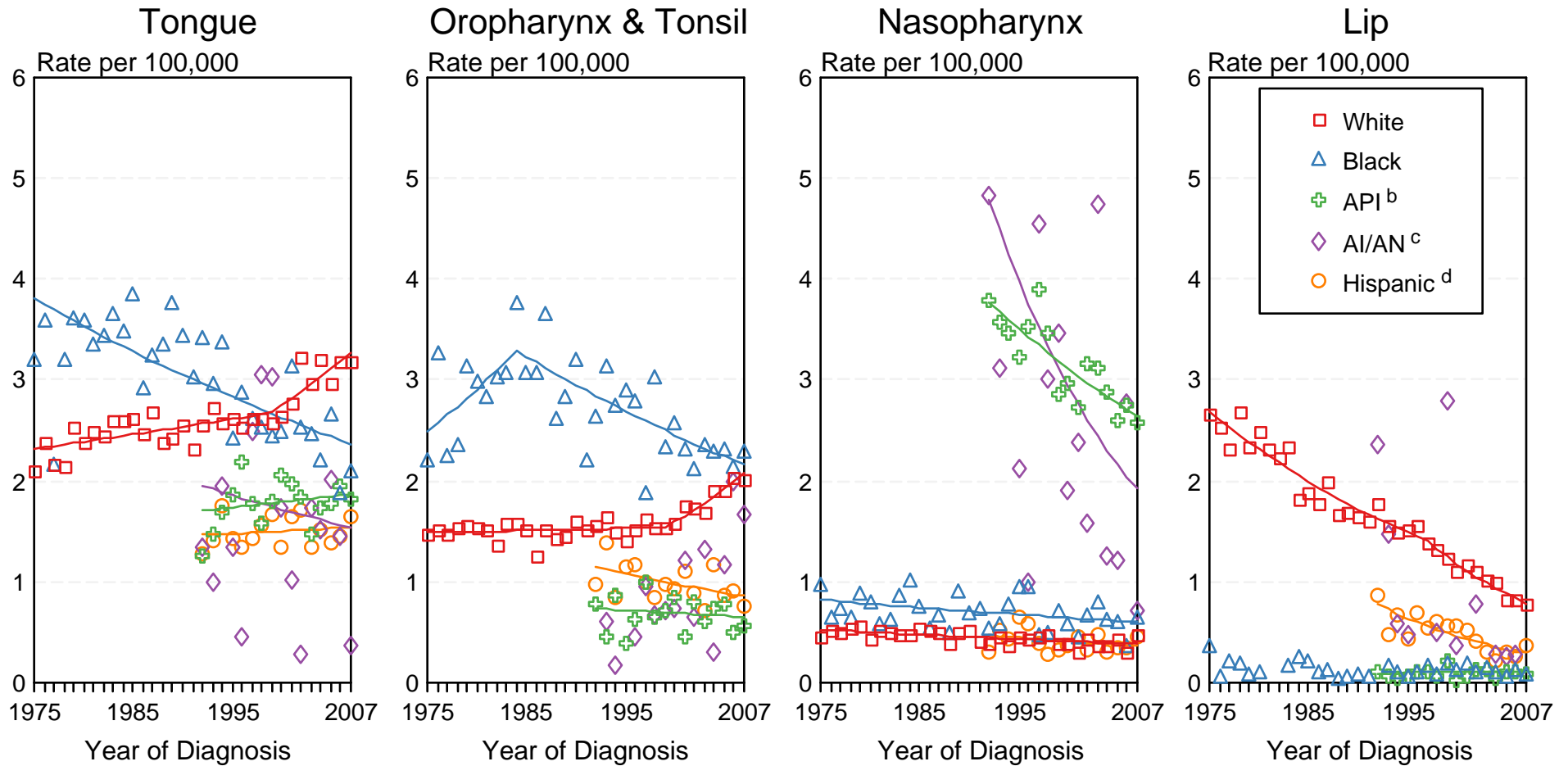


Figure XX-3

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).

<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 3.4.3, April 2010, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2007 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2007 allow a maximum of 2 joinpoints. Regression lines could not be calculated for data series that had at least one diagnosis year with a 0 case count.

<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.

Table 21.11  
Cancer of the Ovary (Invasive)

SEER Incidence and U.S. Mortality  
Age-Adjusted Rates and Trends<sup>a</sup>  
By Race/Ethnicity and Sex

SEER Incidence	SEER 17 Areas <sup>b</sup>	SEER 13 Areas <sup>b</sup>	SEER 9 Areas <sup>b</sup>
	Rate 2003-2007	Trend 1998-2007 <sup>c</sup>	Trend 1998-2007 <sup>d</sup>
	Rate per 100,000 persons	AAPC (%)	AAPC (%)
RACE/ETHNICITY	Females	Females	Females
All Races	12.9	-1.5*	-1.7*
White	13.5	-1.7*	-1.9*
White Hispanic <sup>e</sup>	11.3	-0.9	-
White Non-Hispanic <sup>e</sup>	13.9	-1.6*	-
Black	10.2	-0.5	-0.5*
Asian/Pacific Islander	9.8	0.0	-
Amer Ind/Alaska Nat <sup>f</sup>	10.9	-	-
Hispanic <sup>e</sup>	11.0	-0.7	-
<u>U.S. Mortality<sup>g</sup></u>	Rate 2003-2007	Trend 1998-2007 <sup>h</sup>	
	Rate per 100,000 persons	AAPC (%)	
RACE/ETHNICITY	Females	Females	
All Races	8.6	-0.6	
White	8.9	-0.5	
White Hispanic <sup>e</sup>	6.2	-0.4	
White Non-Hispanic <sup>e</sup>	9.2	-0.4	
Black	7.2	-1.6	
Asian/Pacific Islander	4.9	0.1	
Amer Ind/Alaska Nat			
Total U.S.	5.3	-0.2	
CHSDA Counties	6.8	0.7	
Non-CHSDA Counties	3.5	-	
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 3.4.3, April 2010, 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).

The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, 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.

The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.

The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.

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. The 2003-2007 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, New Hampshire, and North Dakota. The 1998-2007 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, the District of Columbia, 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 1998-2007 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2007.

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

# SEER Incidence and US Death Rates<sup>a</sup> Cancer of the Ovary

Joinpoint Analyses for Whites and Blacks from 1975-2007  
and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2007

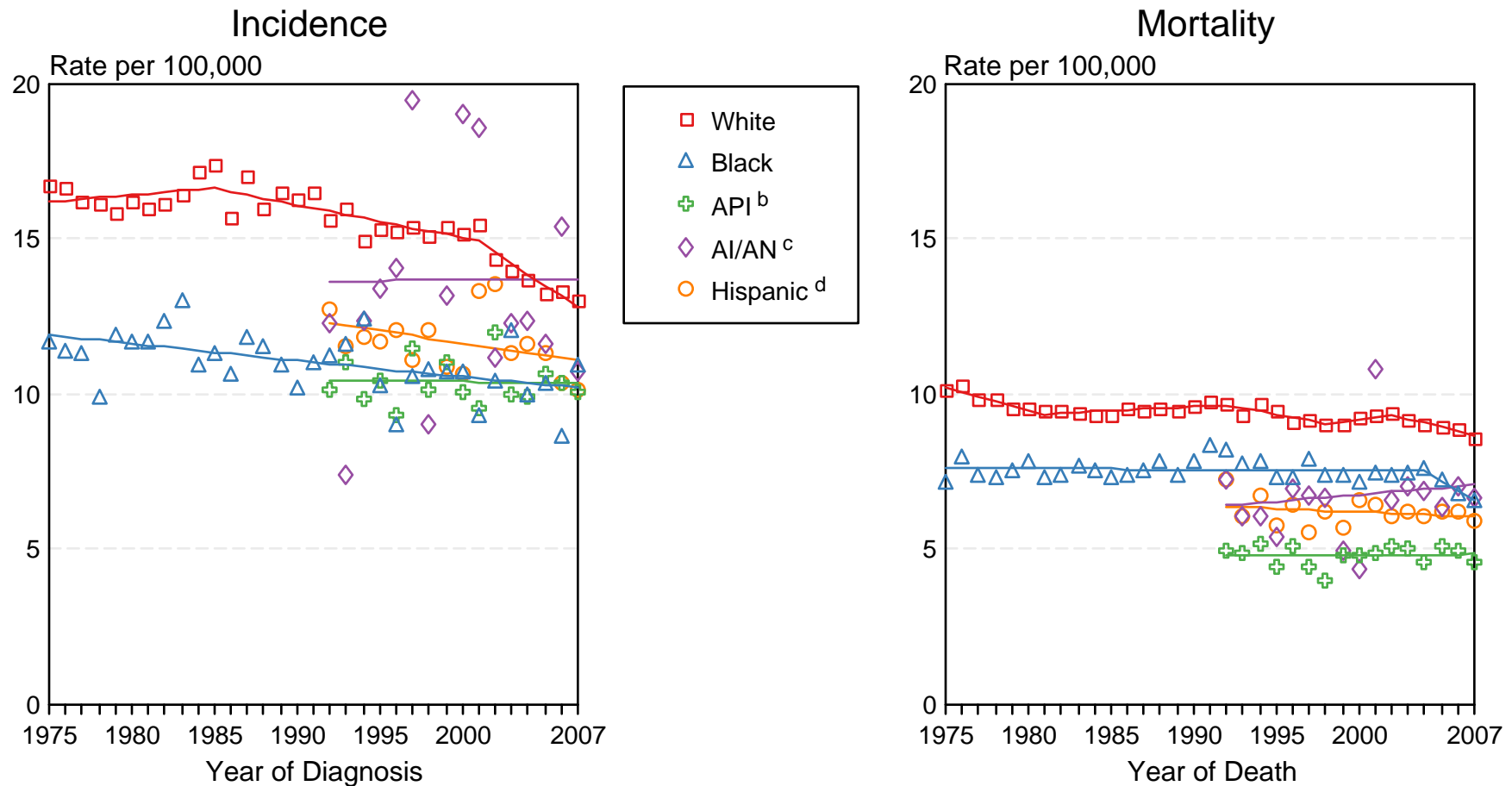


Figure 11.3

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). 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 3.4.3, April 2010, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2007 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2007 allow a maximum of 2 joinpoints.

<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, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table 22.15  
Cancer of the Pancreas (Invasive)

SEER Incidence and U.S. Mortality  
Age-Adjusted Rates and Trends<sup>a</sup>  
By Race/Ethnicity and Sex

SEER Incidence	SEER 17 Areas <sup>b</sup>			SEER 13 Areas <sup>b</sup>			SEER 9 Areas <sup>b</sup>		
	Rate 2003-2007			Trend 1998-2007 <sup>c</sup>			Trend 1998-2007 <sup>d</sup>		
	Rate per 100,000 persons			AAPC (%)			AAPC (%)		
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	11.7	13.3	10.5	0.4*	0.2*	0.4*	0.7*	0.6*	0.9*
White	11.6	13.2	10.3	0.5*	0.5*	0.5*	0.8*	0.8*	1.1*
White Hispanic <sup>e</sup>	10.7	11.3	10.2	0.0	-0.1	0.1	-	-	-
White Non-Hispanic <sup>e</sup>	11.8	13.5	10.3	0.6*	0.6*	0.5*	-	-	-
Black	15.5	16.7	14.4	-0.8*	-1.2*	-0.6	-0.3*	-0.7*	0.0
Asian/Pacific Islander	9.1	10.2	8.3	0.2	-0.5	0.9*	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	10.3	10.6	10.1	-	-	-	-	-	-
Hispanic <sup>e</sup>	10.5	10.9	10.1	0.1	0.0	0.2	-	-	-
<u>U.S. Mortality<sup>g</sup></u>									
RACE/ETHNICITY	Rate 2003-2007			Trend 1998-2007 <sup>h</sup>					
	Rate per 100,000 persons			AAPC (%)					
	Total	Males	Females	Total	Males	Females			
All Races	10.7	12.3	9.4	0.3*	0.3*	0.3*			
White	10.5	12.2	9.1	0.4*	0.4*	0.2*			
White Hispanic <sup>e</sup>	8.5	9.4	7.8	-0.4	-0.5*	0.2			
White Non-Hispanic <sup>e</sup>	10.7	12.4	9.2	0.6*	0.6*	0.3*			
Black	13.8	15.4	12.4	-0.7*	-1.0*	-0.1			
Asian/Pacific Islander	7.4	8.2	6.9	-0.2	-0.9*	0.4			
Amer Ind/Alaska Nat									
Total U.S.	6.8	7.4	6.4	1.0	2.0*	0.6			
CHSDA Counties	8.8	9.9	8.0	2.3*	3.4*	1.9*			
Non-CHSDA Counties	4.4	4.3	4.4	-1.3	-	-			
Hispanic <sup>e</sup>	8.3	9.1	7.5	-0.5	-0.5*	0.2			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.4.3, April 2010, 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 The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, 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.

c The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.

d The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.

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. The 2003-2007 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, New Hampshire, and North Dakota. The 1998-2007 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, the District of Columbia, 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 1998-2007 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2007.

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

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

Joinpoint Analyses for Whites and Blacks from 1975-2007

and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2007

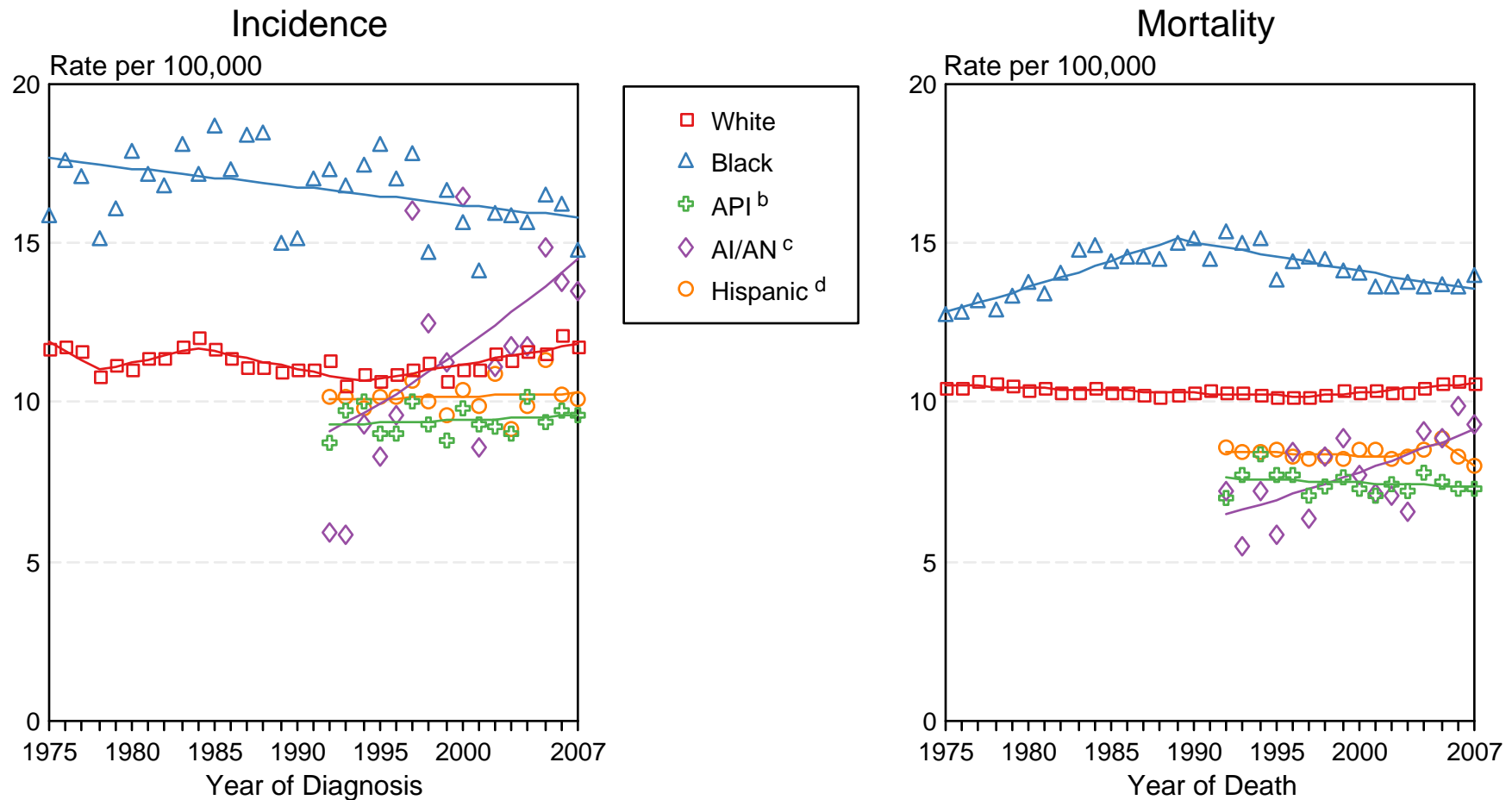


Figure 22.2

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 3.4.3, April 2010, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2007 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2007 allow a maximum of 2 joinpoints.

<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, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table 23.11  
Cancer of the Prostate (Invasive)  
SEER Incidence and U.S. Mortality  
Age-Adjusted Rates and Trends<sup>a</sup>  
By Race/Ethnicity

SEER Incidence	SEER 17 Areas <sup>b</sup>	SEER 13 Areas <sup>b</sup>	SEER 9 Areas <sup>b</sup>
	Rate 2003-2007	Trend 1998-2007 <sup>c</sup>	Trend 1998-2007 <sup>d</sup>
	Rate per 100,000 persons	AAPC (%)	AAPC (%)
RACE/ETHNICITY	Males	Males	Males
All Races	156.9	-1.4*	-1.1*
White	150.4	-1.5*	-1.3*
White Hispanic <sup>e</sup>	124.5	-2.8*	-
White Non-Hispanic <sup>e</sup>	154.4	-1.4*	-
Black	234.6	-2.6*	-2.1*
Asian/Pacific Islander	90.0	-0.6	-
Amer Ind/Alaska Nat <sup>f</sup>	77.7	-2.3*	-
Hispanic <sup>e</sup>	125.8	-2.3*	-
<u>U.S. Mortality<sup>g</sup></u>			
	Rate 2003-2007	Trend 1998-2007 <sup>h</sup>	
	Rate per 100,000 persons	AAPC (%)	
RACE/ETHNICITY	Males	Males	
All Races	24.7	-4.0*	
White	22.8	-3.7*	
White Hispanic <sup>e</sup>	19.2	-3.2*	
White Non-Hispanic <sup>e</sup>	22.9	-3.7*	
Black	54.2	-4.0*	
Asian/Pacific Islander	10.6	-4.1*	
Amer Ind/Alaska Nat			
Total U.S.	16.3	-3.9*	
CHSDA Counties	20.0	-2.9*	
Non-CHSDA Counties	11.6	-5.0*	
Hispanic <sup>e</sup>	18.8	-3.6*	

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.4.3, April 2010, 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 The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, 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.

c The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.

d The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.

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. The 2003-2007 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, New Hampshire, and North Dakota. The 1998-2007 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, the District of Columbia, 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 1998-2007 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2007.

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

# SEER Incidence and US Death Rates<sup>a</sup> Cancer of the Prostate

Joinpoint Analyses for Whites and Blacks from 1975-2007  
and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2007

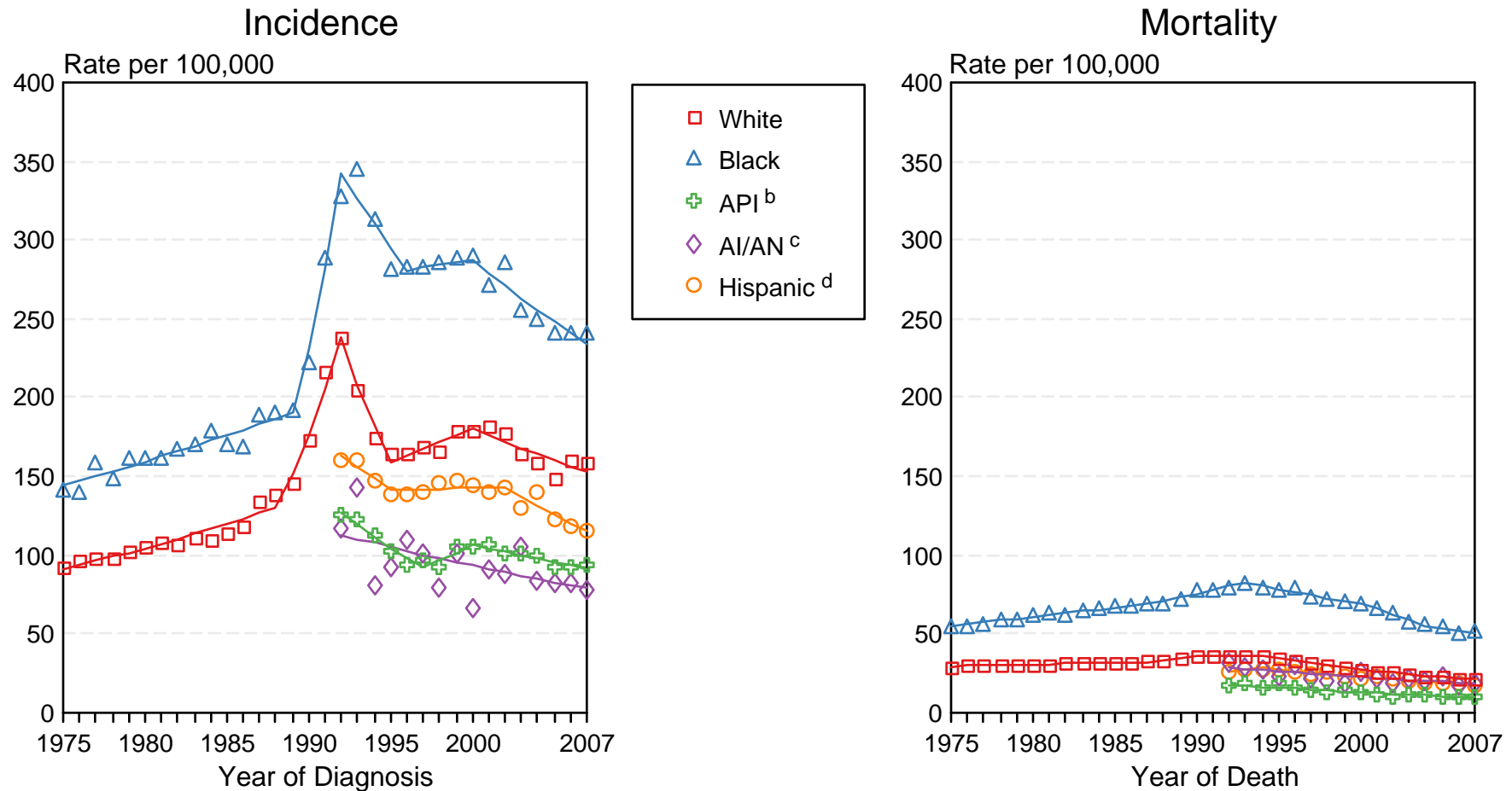


Figure 23.3

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 3.4.3, April 2010, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2007 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2007 allow a maximum of 2 joinpoints.

<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, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.



Table 24.15  
Cancer of the Stomach (Invasive)

SEER Incidence and U.S. Mortality  
Age-Adjusted Rates and Trends<sup>a</sup>  
By Race/Ethnicity and Sex

SEER Incidence	SEER 17 Areas <sup>b</sup>			SEER 13 Areas <sup>b</sup>			SEER 9 Areas <sup>b</sup>		
	Rate 2003-2007			Trend 1998-2007 <sup>c</sup>			Trend 1998-2007 <sup>d</sup>		
	Rate per 100,000 persons			AAPC (%)			AAPC (%)		
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	7.8	10.9	5.5	-1.4*	-1.9*	-0.9*	-1.6*	-2.0*	-1.6*
White	6.8	9.6	4.7	-1.4*	-2.0*	-0.9*	-1.9*	-1.9*	-2.0*
White Hispanic <sup>e</sup>	11.8	15.2	9.3	-1.7*	-2.5*	-0.9*	-	-	-
White Non-Hispanic <sup>e</sup>	6.1	8.8	3.9	-1.9*	-2.2*	-1.7*	-	-	-
Black	11.9	16.7	8.6	-1.9*	-2.4*	-1.4*	-1.8*	-2.1*	-1.0*
Asian/Pacific Islander	13.2	17.5	10.0	-3.1*	-3.0*	-2.9*	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	10.9	15.5	7.3	0.4	0.2	-	-	-	-
Hispanic <sup>e</sup>	11.6	14.8	9.1	-1.6*	-2.4*	-0.7*	-	-	-
<u>U.S. Mortality<sup>g</sup></u>									
RACE/ETHNICITY	Rate 2003-2007			Trend 1998-2007 <sup>h</sup>					
	Rate per 100,000 persons			AAPC (%)					
	Total	Males	Females	Total	Males	Females			
All Races	3.8	5.3	2.7	-3.2*	-3.6*	-2.8*			
White	3.3	4.6	2.4	-3.2*	-3.7*	-2.9*			
White Hispanic <sup>e</sup>	6.2	8.2	4.8	-3.4*	-3.8*	-2.1*			
White Non-Hispanic <sup>e</sup>	3.1	4.3	2.1	-3.6*	-4.1*	-3.2*			
Black	7.3	10.7	5.0	-3.7*	-3.2*	-3.9*			
Asian/Pacific Islander	7.2	9.4	5.6	-3.9*	-3.8*	-3.7*			
Amer Ind/Alaska Nat									
Total U.S.	4.3	6.2	2.9	-2.6*	-2.2*	-3.2*			
CHSDA Counties	6.3	9.2	4.2	-1.3*	-1.2	-1.4			
Non-CHSDA Counties	1.8	2.6	1.2	-	-	-			
Hispanic <sup>e</sup>	6.0	8.0	4.6	-3.4*	-3.8*	-2.1*			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.4.3, April 2010, 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 The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, 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.

c The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.

d The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.

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. The 2003-2007 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, New Hampshire, and North Dakota. The 1998-2007 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, the District of Columbia, 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 1998-2007 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2007.

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

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

Joinpoint Analyses for Whites and Blacks from 1975-2007  
and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2007

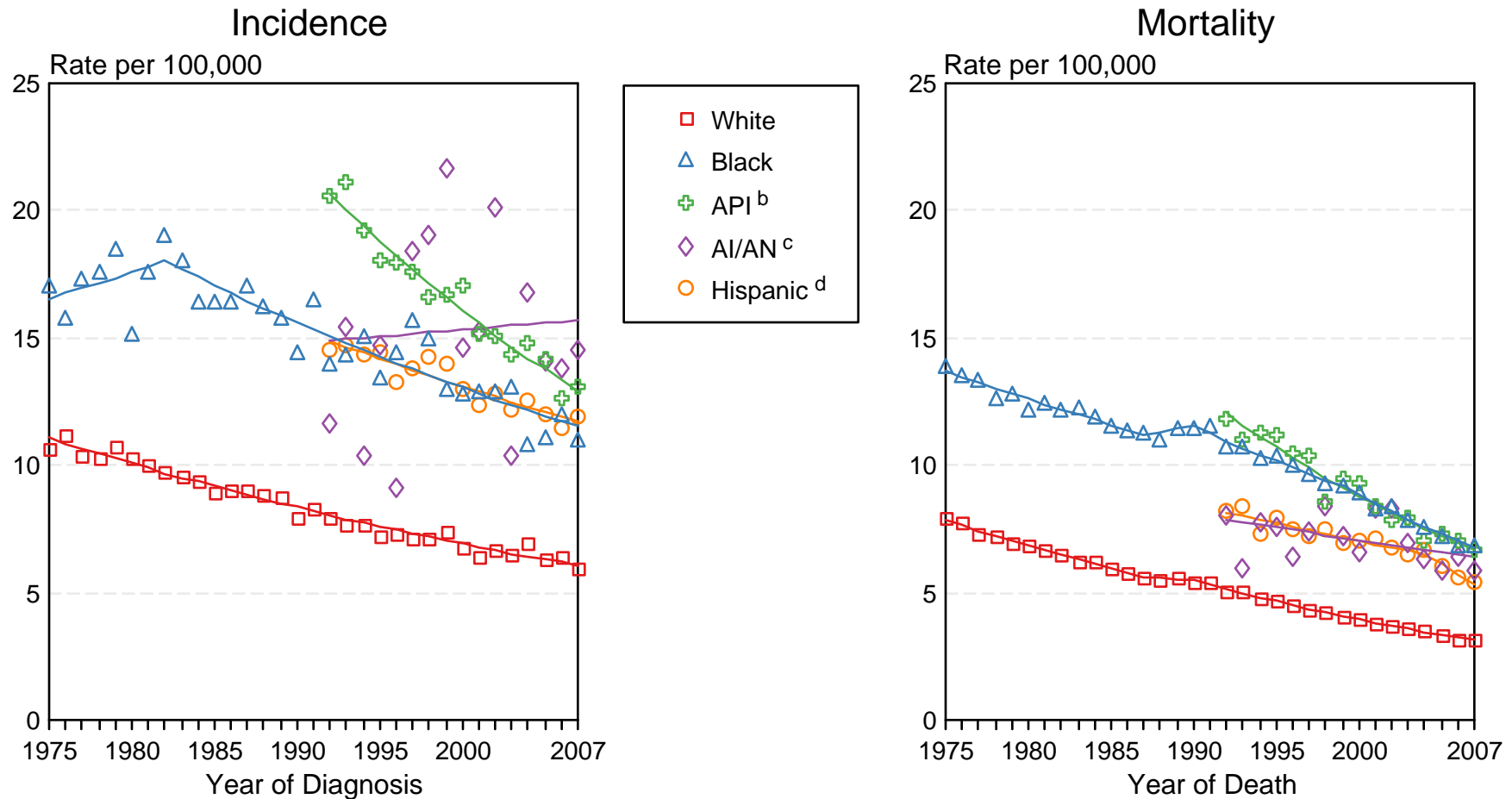


Figure 24.2

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 3.4.3, April 2010, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2007 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2007 allow a maximum of 2 joinpoints.

<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, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table 25.11  
Cancer of the Testis (Invasive)

SEER Incidence and U.S. Mortality  
Age-Adjusted Rates and Trends<sup>a</sup>  
By Race/Ethnicity

SEER Incidence	SEER 17 Areas <sup>b</sup>	SEER 13 Areas <sup>b</sup>	SEER 9 Areas <sup>b</sup>
	Rate 2003-2007	Trend 1998-2007 <sup>c</sup>	Trend 1998-2007 <sup>d</sup>
	Rate per 100,000 persons	AAPC (%)	AAPC (%)
RACE/ETHNICITY	Males	Males	Males
All Races	5.4	1.1*	0.8*
White	6.4	1.3*	1.0*
White Hispanic <sup>e</sup>	4.2	2.0*	-
White Non-Hispanic <sup>e</sup>	7.2	1.6*	-
Black	1.2	-0.5	2.1*
Asian/Pacific Islander	1.8	1.0	-
Amer Ind/Alaska Nat <sup>f</sup>	4.3	-	-
Hispanic <sup>e</sup>	4.0	3.2*	-
<u>U.S. Mortality<sup>g</sup></u>	Rate 2003-2007	Trend 1998-2007 <sup>h</sup>	
	Rate per 100,000 persons	AAPC (%)	
RACE/ETHNICITY	Males	Males	
All Races	0.2	-1.0*	
White	0.3	-1.0*	
White Hispanic <sup>e</sup>	0.3	-0.1	
White Non-Hispanic <sup>e</sup>	0.3	-1.1*	
Black	0.2	0.9	
Asian/Pacific Islander	0.1	-	
Amer Ind/Alaska Nat			
Total U.S.	-	-	
CHSDA Counties	-	-	
Non-CHSDA Counties	-	-	
Hispanic <sup>e</sup>	0.3	0.0	

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.4.3, April 2010, 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).

The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, 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.

The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.

The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.

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. The 2003-2007 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, New Hampshire, and North Dakota. The 1998-2007 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, the District of Columbia, 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 1998-2007 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2007.

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

# SEER Incidence and US Death Rates<sup>a</sup> Cancer of the Testis

Joinpoint Analyses for Whites and Blacks from 1975-2007  
and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2007

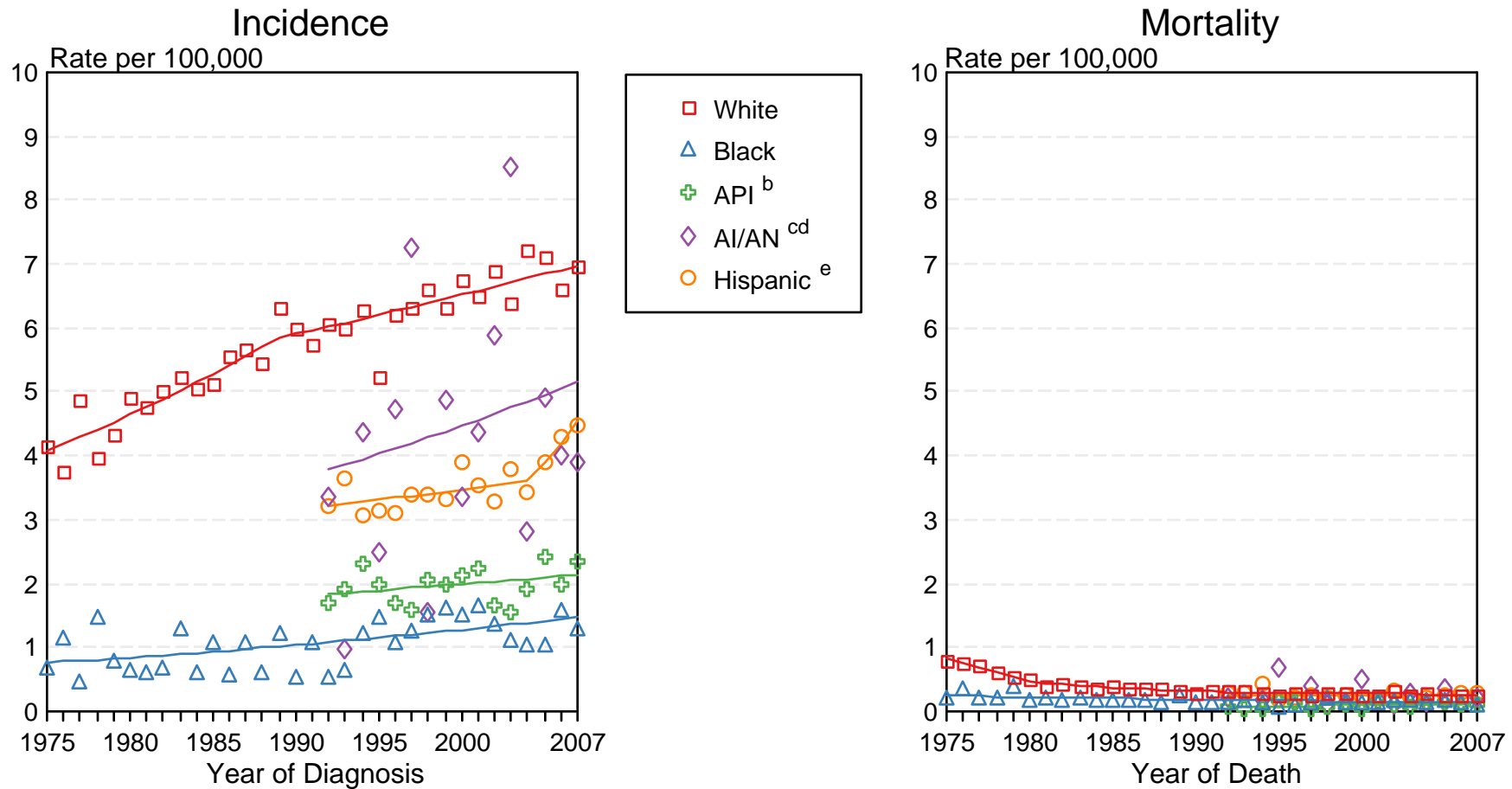


Figure 25.3

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 3.4.3, April 2010, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2007 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2007 allow a maximum of 2 joinpoints.

<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, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table 26.15  
Cancer of the Thyroid (Invasive)

SEER Incidence and U.S. Mortality  
Age-Adjusted Rates and Trends<sup>a</sup>  
By Race/Ethnicity and Sex

SEER Incidence	SEER 17 Areas <sup>b</sup>			SEER 13 Areas <sup>b</sup>			SEER 9 Areas <sup>b</sup>		
	Rate 2003-2007			Trend 1998-2007 <sup>c</sup>			Trend 1998-2007 <sup>d</sup>		
	Rate per 100,000 persons			AAPC (%)			AAPC (%)		
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	10.2	5.2	15.2	6.1*	4.9*	6.4*	6.3*	5.6*	6.4*
White	10.7	5.5	16.0	6.3*	5.1*	6.7*	6.7*	5.7*	6.9*
White Hispanic <sup>e</sup>	8.6	3.7	13.6	4.5*	2.6*	5.7*	-	-	-
White Non-Hispanic <sup>e</sup>	11.5	6.0	16.9	6.6*	5.8*	6.6*	-	-	-
Black	6.2	3.0	8.9	6.5*	5.4*	7.2*	4.6*	2.4*	5.1*
Asian/Pacific Islander	10.1	4.4	15.2	4.6*	1.7*	4.8*	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	5.8	3.1	8.5	2.1	-	-	-	-	-
Hispanic <sup>e</sup>	8.4	3.6	13.3	4.6*	2.8*	5.7*	-	-	-
<u>U.S. Mortality<sup>g</sup></u>									
RACE/ETHNICITY	Rate 2003-2007			Trend 1998-2007 <sup>h</sup>					
	Rate per 100,000 persons			AAPC (%)					
	Total	Males	Females	Total	Males	Females			
All Races	0.5	0.5	0.5	0.6*	1.6*	0.6*			
White	0.5	0.5	0.5	0.6*	1.6*	0.4*			
White Hispanic <sup>e</sup>	0.6	0.6	0.6	-0.4	3.1*	-2.2*			
White Non-Hispanic <sup>e</sup>	0.5	0.5	0.4	0.7*	1.6*	0.3			
Black	0.5	0.3	0.5	1.0*	1.3	1.0			
Asian/Pacific Islander	0.6	0.5	0.7	2.0	-	-1.5			
Amer Ind/Alaska Nat									
Total U.S.	0.3	-	0.3	-	-	-			
CHSDA Counties	0.5	-	-	-	-	-			
Non-CHSDA Counties	-	-	-	-	-	-			
Hispanic <sup>e</sup>	0.6	0.6	0.6	-0.5	3.0*	-2.3*			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.4.3, April 2010, 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 The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, 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.

c The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.

d The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.

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. The 2003-2007 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, New Hampshire, and North Dakota. The 1998-2007 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, the District of Columbia, 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 1998-2007 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2007.

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

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

Joinpoint Analyses for Whites and Blacks from 1975-2007  
and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2007

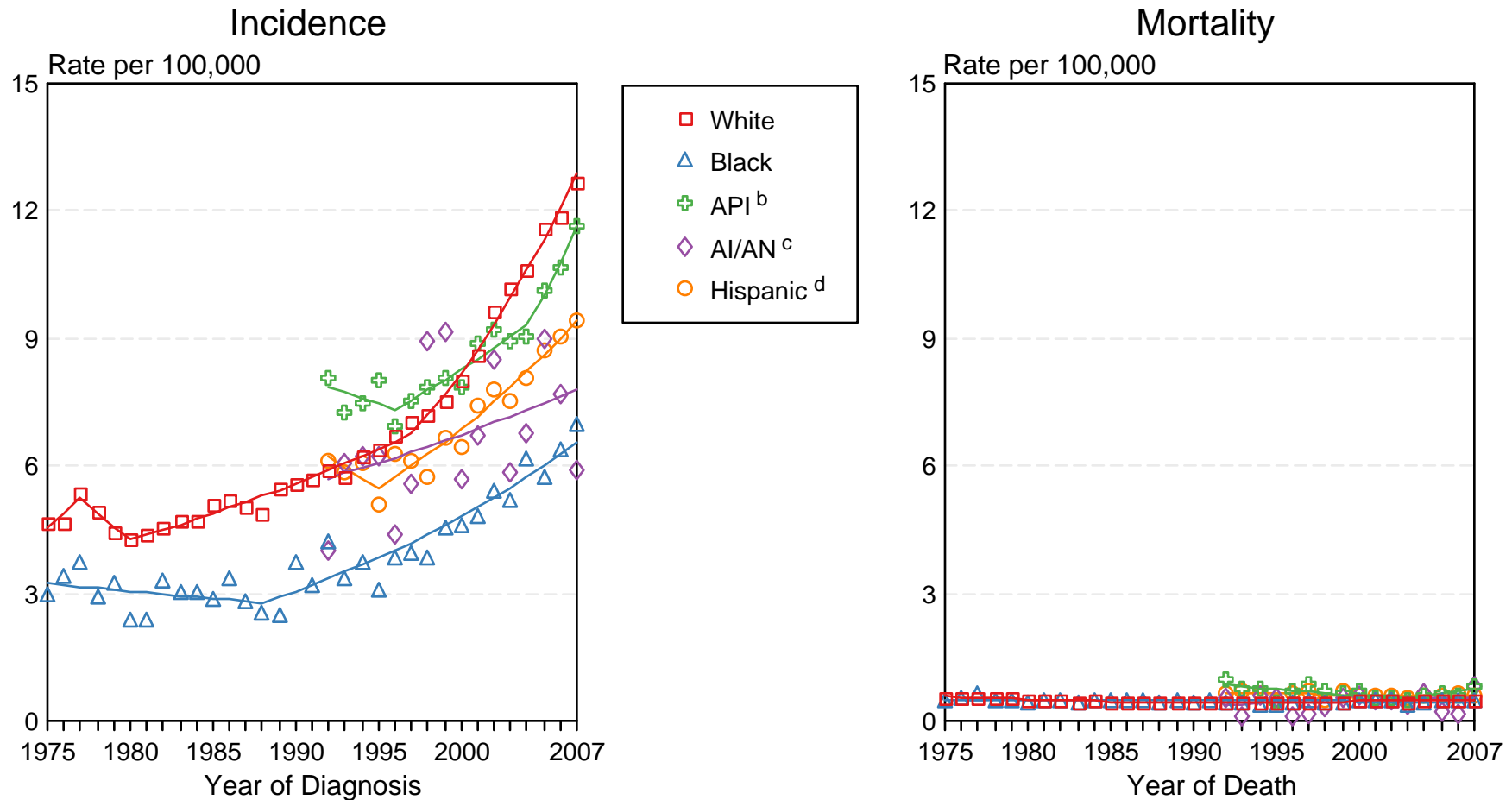


Figure 26.2

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 3.4.3, April 2010, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2007 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2007 allow a maximum of 2 joinpoints.

<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, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Table 27.15  
Cancer of the Urinary Bladder

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	SEER 17 Areas <sup>b</sup>			SEER 13 Areas <sup>b</sup>			SEER 9 Areas <sup>b</sup>		
	Rate 2003-2007			Trend 1998-2007 <sup>c</sup>			Trend 1998-2007 <sup>d</sup>		
	Rate per 100,000 persons			AAPC (%)			AAPC (%)		
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	21.1	37.2	9.2	-0.4	-0.2	-1.0*	-0.3	-0.3	-1.0*
White	22.8	40.4	9.8	-0.4	-0.1	-1.1*	-0.2	-0.3	-1.0*
White Hispanic <sup>e</sup>	11.2	19.5	5.1	-0.7*	-0.8*	-0.8	-	-	-
White Non-Hispanic <sup>e</sup>	24.5	43.2	10.5	-0.2	0.1	-0.9*	-	-	-
Black	12.8	20.7	7.6	0.3	0.1	0.6	0.2	0.1	0.4
Asian/Pacific Islander	9.1	16.0	4.0	0.1	0.6*	-0.6	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	7.7	13.3	3.2	-	-	-	-	-	-
Hispanic <sup>e</sup>	11.0	19.2	5.1	-0.5*	-0.6*	-0.7	-	-	-
<u>U.S. Mortality<sup>g</sup></u>									
	Rate 2003-2007			Trend 1998-2007 <sup>h</sup>					
	Rate per 100,000 persons			AAPC (%)					
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females			
All Races	4.3	7.5	2.2	-0.2*	-0.1	-0.6*			
White	4.5	7.9	2.2	0.0	0.0	-0.4*			
White Hispanic <sup>e</sup>	2.4	4.0	1.3	-0.4	-0.7	-0.4			
White Non-Hispanic <sup>e</sup>	4.6	8.2	2.3	0.4*	0.3	-0.2			
Black	3.7	5.4	2.7	-1.1*	-1.2*	-1.0*			
Asian/Pacific Islander	1.6	2.6	0.9	-1.5*	-1.1	-2.0*			
Amer Ind/Alaska Nat									
Total U.S.	1.7	2.7	1.0	1.0	-	-			
CHSDA Counties	1.8	3.0	0.9	-	-	-			
Non-CHSDA Counties	1.6	2.3	1.1	-	-	-			
Hispanic <sup>e</sup>	2.3	3.9	1.3	-0.4	-0.8	-0.4			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.4.3, April 2010, 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

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

The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, 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.

c The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2007.

d The 1998-2007 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2007.

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. The 2003-2007 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, New Hampshire, and North Dakota. The 1998-2007 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, the District of Columbia, 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 1998-2007 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2007.

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

# SEER Incidence and US Death Rates<sup>a</sup> Cancer of the Urinary Bladder, Both Sexes

Joinpoint Analyses for Whites and Blacks from 1975-2007  
and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2007

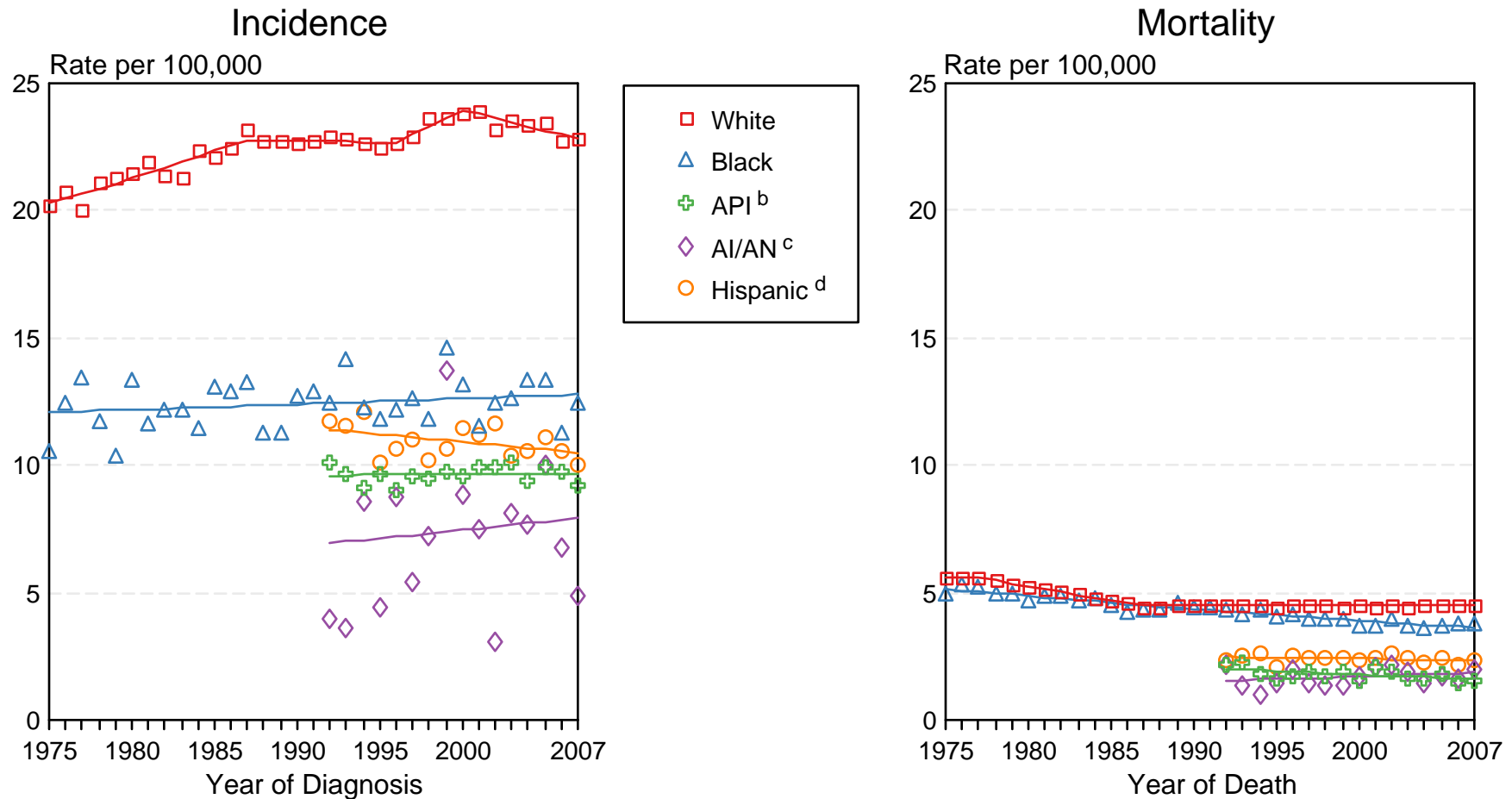


Figure 27.2

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 3.4.3, April 2010, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2007 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2007 allow a maximum of 2 joinpoints.

<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, the District of Columbia, 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 1975-2007 and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2007

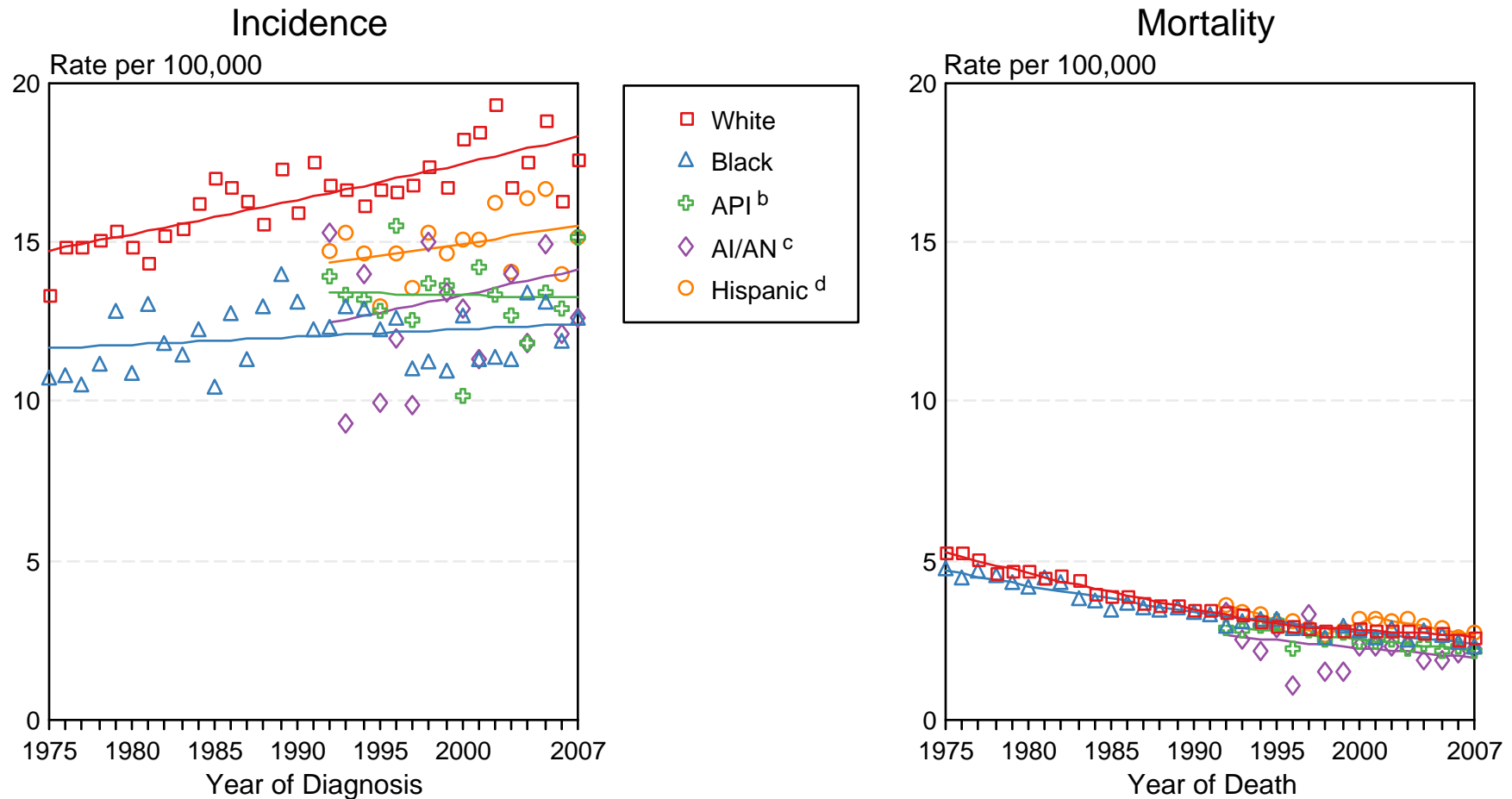


Figure 28.3

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 3.4.3, April 2010, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2007 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2007 allow a maximum of 2 joinpoints.

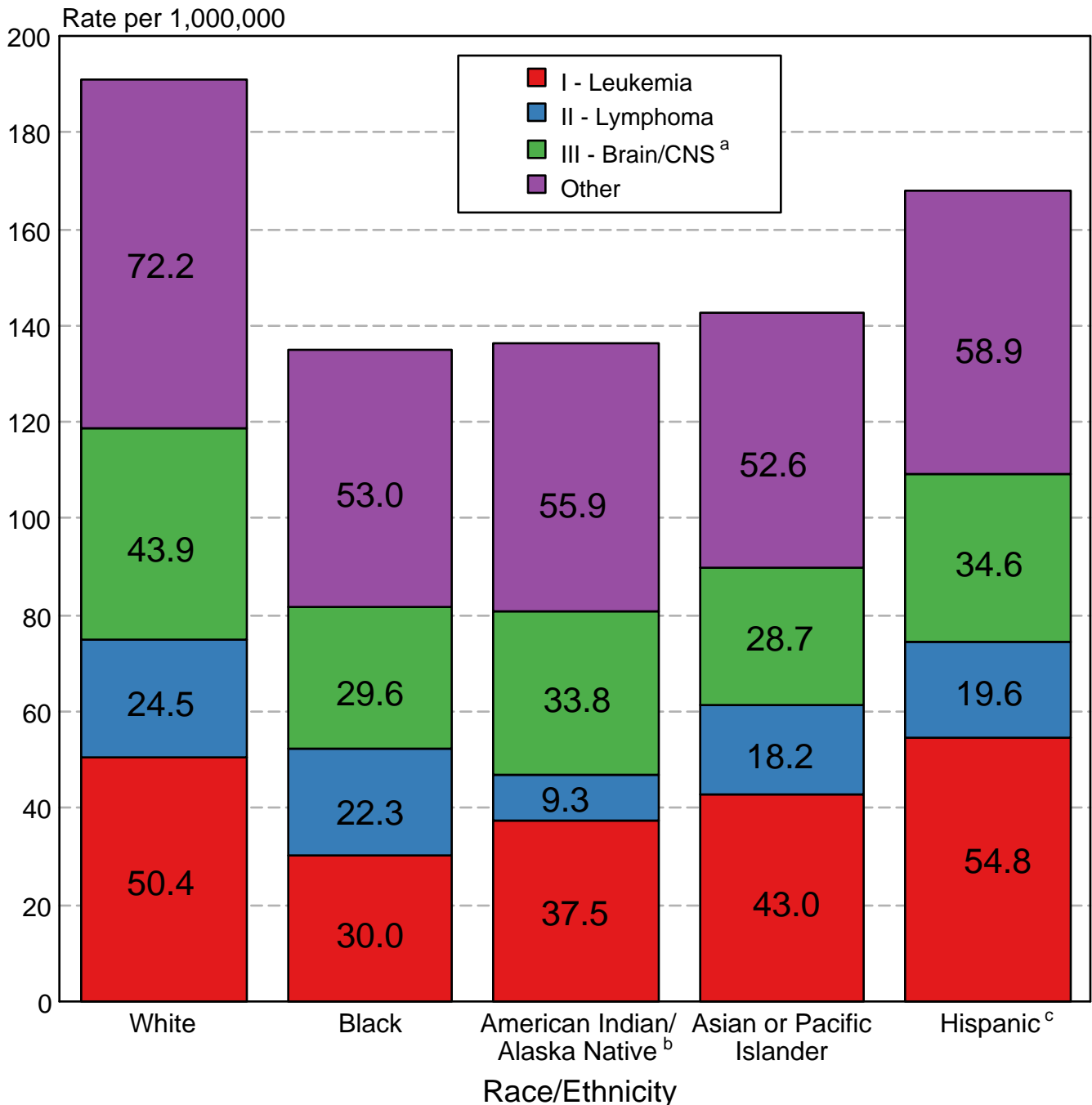
<sup>b</sup> API = Asian/Pacific Islander.

<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, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Figure 29.2

## Childhood Cancer: SEER Incidence Rates 2003- 2007 by ICCG Group (includes Group III benign brain (2004-2007) and myelodysplastic syndromes) and Race/Ethnicity Both Sexes, Under 20 Years of Age



Source: 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). Incidence rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130) and are not shown for fewer than 10 cases for the time period.

International Classification of Childhood Cancer is based on ICD-O-3. Steliarova-Foucher E, Stiller C, Lacour B, Kaatsch P. International Classification of Childhood Cancer, Third Edition. Cancer. April 1, 2005; Vol 103, No. 7, pg 1457-1467.

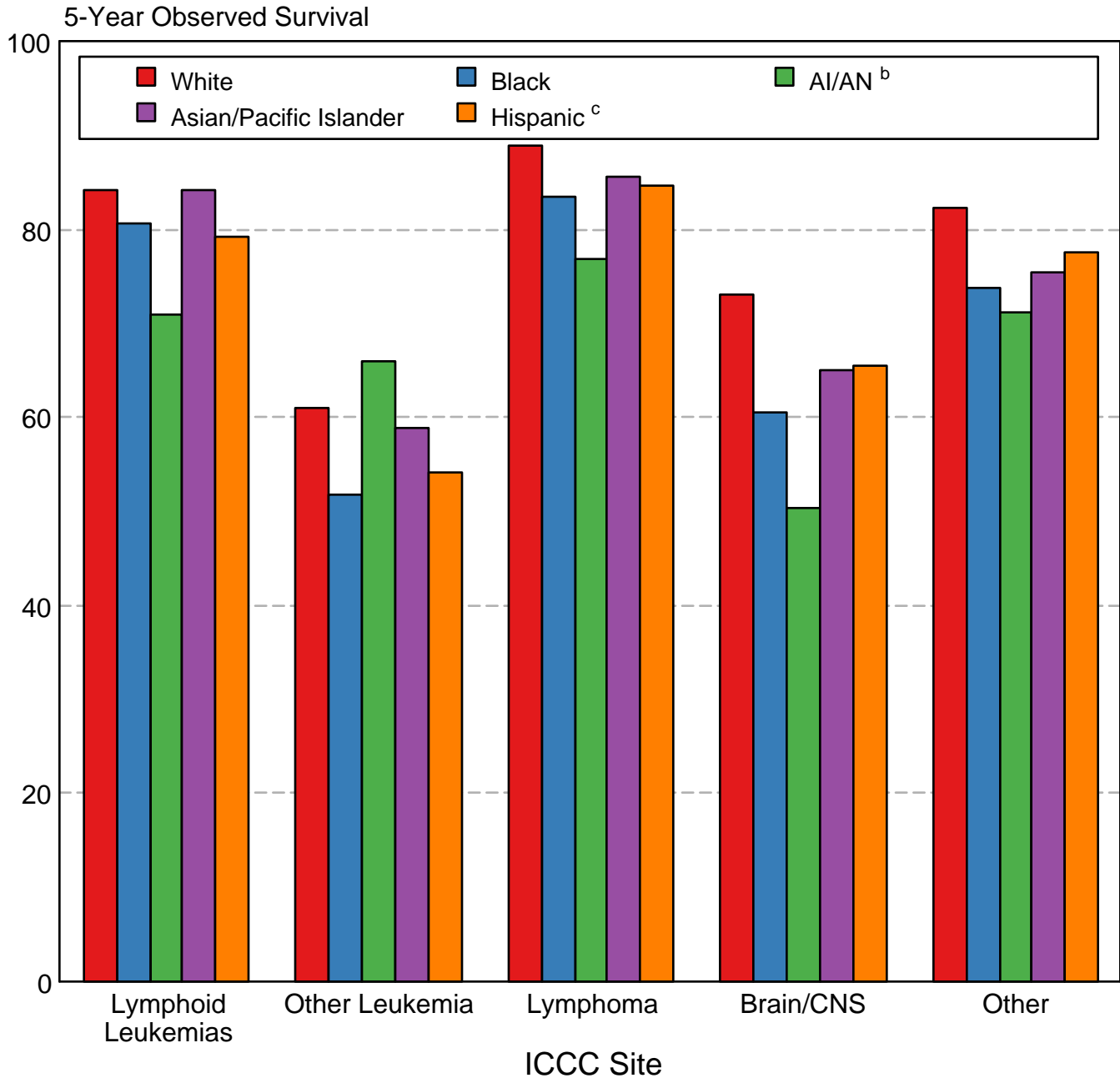
<sup>a</sup> Rate for Group III (Brain/CNS) includes benign brain tumors and is based only on cases diagnosed in 2004-2007

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

<sup>c</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.

Figure 29.3

## Childhood Cancer 5-Year Observed Survival (%) by ICCC Group<sup>a</sup> and Race/Ethnicity Both Sexes, Under 20 Years of Age, 1999-2006



Source: 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). California excluding SF/SJM/LA, Kentucky, Louisiana, and New Jersey contribute cases for diagnosis years 2000-2006. The remaining 13 SEER Areas contribute cases for the entire period 1999-2006.

International Classification of Childhood Cancer is based on ICD-O-3. Steliarova-Foucher E, Stiller C, Lacour B, Kaatsch P. International Classification of Childhood Cancer, Third Edition. Cancer. April 1, 2006; Vol 103, No. 7, pg 1457-1467.

<sup>a</sup> Excludes myelodysplastic syndromes (MDS) and benign brain tumors.

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

<sup>c</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Survival data for Hispanics are based on NHIA and excludes cases from the Alaska Native Registry and Kentucky.