### 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 Rac	ces		Whit	e		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>
	2002-2006	1997-2006		2002-2006	1997-2006		2002-2006	1997-2006
All Sites	462.9	-1.0*	All Sites	470.6	-0.9*	All Sites	493.6	-1.4*
Prostate <sup>f</sup>	70.6	-1.2	Breast	68.7	-2.1*	Prostate <sup>f</sup>	99.6	-2.7*
Breast	67.1	-1.9*	Prostate <sup>f</sup>	68.5	-1.1	Lung and Bronchus	74.7	-1.8*
Lung and Bronchus	63.1	-1.5*	Lung and Bronchus	64.4	-1.5*	Breast	67.4	-0.7*
Colon and Rectum	49.1	-2.4*	Colon and Rectum	48.6	-2.6*	Colon and Rectum	59.9	-1.5*
Urinary Bladder	21.0	-0.4	Melanoma of the Skin	22.9	2.1*	Pancreas	15.6	-0.2
Melanoma of the Skin	19.6	1.6*	Urinary Bladder	22.8	-0.3	Kidney and Renal Pelvis	15.0	1.5
Non-Hodgkin Lymphoma	19.5	0.1	Non-Hodgkin Lymphoma	20.4	0.2	Non-Hodgkin Lymphoma	14.8	0.3
Kidney and Renal Pelvis	13.6	2.3*	Kidney and Renal Pelvis	14.1	2.4*	Urinary Bladder	12.8	-0.1
Corpus and Uterus, NOS <sup>f</sup>	12.5	-1.0*	Corpus and Uterus, NOS <sup>f</sup>	12.9	-1.3*	Stomach	12.1	-3.3*
Leukemia	12.2	-0.9*	Leukemia	12.8	-1.0*	Myeloma	11.7	-0.2
Pancreas	11.7	0.5	Pancreas	11.5	0.6*	Corpus and Uterus, NOS <sup>f</sup>	11.7	1.2
Oral Cavity and Pharynx	10.4	-1.5*	Oral Cavity and Pharynx	10.5	-1.3*	Oral Cavity and Pharynx	10.5	-2.7*
Thyroid	9.6	5.9*	Thyroid	10.1	6.2*	Leukemia	9.8	-0.7
Stomach	7.9	-1.7*	Ovary <sup>fh</sup>	7.4	-1.9*	Liver & IBD <sup>g</sup>	8.2	3.3*
Ovary <sup>fh</sup>	7.1	-1.8*	Brain and ONS <sup>g</sup>	7.1	-0.6	Ovary <sup>fh</sup>	5.8	-1.2
Asian/Pacific	Islander		American Indian/	Alaska Nat:	Lve <sup>d</sup>	Hispan	ic <sup>e</sup>	
	Rate <sup>b</sup>	APC <sup>c</sup>		Rate <sup>b</sup>	APC <sup>c</sup>		$Rate^{b}$	APC <sup>c</sup>
	2002-2006	1997-2006			1997-2006			1997-2006
All Sites	311.1	-0.9*	All Sites	313.6	-0.3	All Sites	350.6	-1.0*
Breast	48.9	-0.9*	Lung and Bronchus	44.9	0.6	Prostate <sup>f</sup>	58.2	-1.5*
Colon and Rectum	40.0	-1.9*	Colon and Rectum	42.3	-1.7	Breast	47.4	-0.9*
Prostate <sup>f</sup>	39.4	-0.9	Breast	40.2	1.4	Colon and Rectum	38.4	-1.4*
Lung and Bronchus	38.9	-0.9*	Prostate <sup>f</sup>	33.6	-1.3	Lung and Bronchus	32.5	-2.4*
Liver & IBD <sup>g</sup>	14.2	0.1	Kidney and Renal Pelvis	17.5	2.7	Non-Hodgkin Lymphoma	16.7	-0.2
Stomach	13.4	-3.2*	Stomach	11.2	-4.0	Kidney and Renal Pelvis	13.2	2.0*
Non-Hodgkin Lymphoma	12.9	-0.9	Non-Hodgkin Lymphoma	10.8	0.5	Stomach	11.7	-2.3*
Thyroid	9.4	3.6*	Liver & IBD <sup>g</sup>	9.9	4.6	Urinary Bladder	11.4	0.0
Urinary Bladder	9.3	0.1	Pancreas	9.7	-0.9	Pancreas	10.6	-0.1
Corpus and Uterus, NOS <sup>f</sup>	9.1	0.6	Corpus and Uterus, NOS <sup>f</sup>	8.8	1.6	Liver & IBD <sup>g</sup>	10.2	1.9*
Pancreas	9.0	-0.1	Urinary Bladder	7.4	-	Leukemia	9.7	-0.4
Oral Cavity and Pharynx	7.8	-2.0*	Oral Cavity and Pharynx	7.1	-4.3	Corpus and Uterus, NOS <sup>f</sup>	9.5	0.6
Leukemia	7.3	-1.0	Leukemia	7.0	2.1	Thyroid	8.2	5.2*
Kidney and Renal Pelvis	6.9	2.2*	Ovary <sup>fh</sup>	5.9	-2.3	Cervix Uteri <sup>f</sup>	6.5	-4.1*
Ovary <sup>fh</sup>	5.4	-0.5	Thyroid	5.8	0.3	Ovary <sup>fh</sup>	6.1	-1.1

Top 15 cancer sites selected based on 2002-2006 age-adjusted rates for the race/ethnic group.

b 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).

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).
- d Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties. е
- 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. f
- The rates for sex-specific cancer sites are calculated using the population for both sexes combined. q
- IBD = Intrahepatic Bile Duct. ONS = Other Nervous System. h
- 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.

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### Table 1.24

Age-Adjusted SEER Incidence Rates and Trends for the Top 15 Cancer Sites<sup>a</sup> by Race/Ethnicity

#### Males

All Rac	ces		White	2		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>
	2002-2006	1997-2006		2002-2006	1997-2006		2002-2006	1997-2006
All Sites	541.8	-1.2*	All Sites	544.3	-1.1*	All Sites	633.7	-2.4*
Prostate	159.3	-1.6*	Prostate	153.0	-1.6*	Prostate	239.8	-3.0*
Lung and Bronchus	77.7	-2.3*	Lung and Bronchus	77.6	-2.3*	Lung and Bronchus	104.3	-3.3*
Colon and Rectum	57.3	-2.9*	Colon and Rectum	56.9	-3.1*	Colon and Rectum	69.3	-1.8*
Urinary Bladder	37.1	-0.4	Urinary Bladder	40.3	-0.4	Kidney and Renal Pelvis	21.3	1.4
Melanoma of the Skin	25.0	1.7*	Melanoma of the Skin	28.9	2.2*	Urinary Bladder	20.0	-0.6
Non-Hodgkin Lymphoma	23.5	-0.1	Non-Hodgkin Lymphoma	24.4	0.0	Non-Hodgkin Lymphoma	18.3	-0.2
Kidney and Renal Pelvis	18.6	1.8*	Kidney and Renal Pelvis	19.2	1.9*	Stomach	16.8	-3.2*
Leukemia	15.8	-1.4*	Leukemia	16.5	-1.4*	Oral Cavity and Pharynx	16.7	-3.6*
Oral Cavity and Pharynx	15.4	-1.7*	Oral Cavity and Pharynx	15.6	-1.4*	Pancreas	16.6	-0.8
Pancreas	13.1	0.3	Pancreas	13.1	0.4	Myeloma	14.3	0.0
Stomach	11.0	-2.1*	Stomach	9.8	-2.1*	Liver & IBD <sup>f</sup>	13.4	3.4*
Liver & IBD <sup>f</sup>	10.2	2.4*	Liver & IBD <sup>f</sup>	8.6	2.7*	Leukemia	12.7	-1.1
Esophagus	7.7	-0.5	Brain and ONS <sup>f</sup>	8.4	-0.6	Larynx	10.5	-3.2*
Brain and ONS <sup>f</sup>	7.6	-0.7*	Esophagus	7.9	0.1	Esophagus	9.3	-4.1*
Myeloma	7.1	-0.8	Myeloma	6.6	-0.8	Brain and $ONS^{f}$	4.7	-1.0
	cific Islander American Indian/Alaska Native <sup>d</sup>							
Asian/Pacific	Islander		American Indian/A	Alaska Nat:	ive <sup>d</sup>	Hispan	ic <sup>e</sup>	
Asian/Pacific	Islander Rate <sup>b</sup>	APC <sup>c</sup>	American Indian/A	Alaska Nat: Rate <sup>b</sup>	ive <sup>d</sup> APC <sup>c</sup>	Hispan	<u>ic<sup>e</sup></u> Rate <sup>b</sup>	APC <sup>c</sup>
	Rate <sup>b</sup>	APC <sup>c</sup> 1997-2006		Rate <sup>b</sup>		Hispan	Rateb	APC <sup>c</sup> 1997-2006
	Rate <sup>b</sup>			Rate <sup>b</sup>	APC <sup>c</sup>	Hispan Hispan	Rateb	+
	Rate <sup>b</sup> 2002-2006	1997-2006		Rate <sup>b</sup> 2002-2006	APC <sup>c</sup> 1997-2006		Rate <sup>b</sup> 2002-2006	1997-2006
All Sites	Rate <sup>b</sup> 2002-2006 349.1	<u>1997-2006</u> -1.2*	All Sites	Rate <sup>b</sup> 2002-2006 331.0	APC <sup>c</sup> <u>1997-2006</u> -1.7	All Sites	Rate <sup>b</sup> 2002-2006 409.7	<u>1997-2006</u> -1.5*
All Sites Prostate	Rate <sup>b</sup> 2002-2006 349.1 91.1	<u>1997-2006</u> -1.2* -0.8	All Sites Prostate	Rate <sup>b</sup> 2002-2006 331.0 76.1	APC <sup>c</sup> <u>1997-2006</u> -1.7 -1.5	All Sites Prostate	Rate <sup>b</sup> 2002-2006 409.7 133.4	<u>1997-2006</u> -1.5* -2.0*
All Sites Prostate Lung and Bronchus	Rate <sup>b</sup> 2002-2006 349.1 91.1 53.4	<u>1997-2006</u> -1.2* -0.8 -1.4*	All Sites Prostate Lung and Bronchus	Rate <sup>b</sup> 2002-2006 331.0 76.1 51.6	APC <sup>c</sup> <u>1997-2006</u> -1.7 -1.5 -2.1	All Sites Prostate Colon and Rectum	Rate <sup>b</sup> 2002-2006 409.7 133.4 46.3	<u>1997-2006</u> -1.5* -2.0* -2.0*
All Sites Prostate Lung and Bronchus Colon and Rectum	Rate <sup>b</sup> 2002-2006 349.1 91.1 53.4 46.9	<u>1997-2006</u> -1.2* -0.8 -1.4* -2.5*	All Sites Prostate Lung and Bronchus Colon and Rectum Kidney and Renal Pelvis Stomach	Rate <sup>b</sup> <u>2002-2006</u> 331.0 76.1 51.6 43.1	APC <sup>c</sup> <u>1997-2006</u> -1.7 -1.5 -2.1 -2.7	All Sites Prostate Colon and Rectum Lung and Bronchus	Rate <sup>b</sup> 2002-2006 409.7 133.4 46.3 43.2	<u>1997-2006</u> -1.5* -2.0* -2.0* -2.7* -0.4 -0.4
All Sites Prostate Lung and Bronchus Colon and Rectum Liver & IBD <sup>f</sup>	Rate <sup>b</sup> 2002-2006 349.1 91.1 53.4 46.9 21.4	<u>1997-2006</u> -1.2* -0.8 -1.4* -2.5* -0.3	All Sites Prostate Lung and Bronchus Colon and Rectum Kidney and Renal Pelvis	Rate <sup>b</sup> 2002-2006 331.0 76.1 51.6 43.1 21.7	APC° <u>1997-2006</u> -1.7 -1.5 -2.1 -2.7 -0.6	All Sites Prostate Colon and Rectum Lung and Bronchus Urinary Bladder	Rate <sup>b</sup> 2002-2006 409.7 133.4 46.3 43.2 19.8 19.1	<u>1997-2006</u> -1.5* -2.0* -2.0* -2.7* -0.4
All Sites Prostate Lung and Bronchus Colon and Rectum Liver & IBD <sup>f</sup> Stomach	Rate <sup>b</sup> 2002-2006 349.1 91.1 53.4 46.9 21.4 18.0	<u>1997-2006</u> -1.2* -0.8 -1.4* -2.5* -0.3 -3.0*	All Sites Prostate Lung and Bronchus Colon and Rectum Kidney and Renal Pelvis Stomach	Rate <sup>b</sup> 2002-2006 331.0 76.1 51.6 43.1 21.7 15.5	APC° <u>1997-2006</u> -1.7 -1.5 -2.1 -2.7 -0.6 -2.2	All Sites Prostate Colon and Rectum Lung and Bronchus Urinary Bladder Non-Hodgkin Lymphoma	Rate <sup>b</sup> 2002-2006 409.7 133.4 46.3 43.2 19.8 19.1	<u>1997-2006</u> -1.5* -2.0* -2.0* -2.7* -0.4 -0.4
All Sites Prostate Lung and Bronchus Colon and Rectum Liver & IBD <sup>f</sup> Stomach Urinary Bladder	Rate <sup>b</sup> 2002-2006 349.1 91.1 53.4 46.9 21.4 18.0 16.5	<u>1997-2006</u> -1.2* -0.8 -1.4* -2.5* -0.3 -3.0* 0.9	All Sites Prostate Lung and Bronchus Colon and Rectum Kidney and Renal Pelvis Stomach Liver & IBD <sup>f</sup>	Rate <sup>b</sup> 2002-2006 331.0 76.1 51.6 43.1 21.7 15.5 13.6	APC° <u>1997-2006</u> -1.7 -1.5 -2.1 -2.7 -0.6 -2.2	All Sites Prostate Colon and Rectum Lung and Bronchus Urinary Bladder Non-Hodgkin Lymphoma Kidney and Renal Pelvis	Rate <sup>b</sup> 2002-2006 409.7 133.4 46.3 43.2 19.8 19.1 17.6	<u>1997-2006</u> -1.5* -2.0* -2.0* -2.7* -0.4 -0.4 2.0*
All Sites Prostate Lung and Bronchus Colon and Rectum Liver & IBD <sup>f</sup> Stomach Urinary Bladder Non-Hodgkin Lymphoma	Rate <sup>b</sup> 2002-2006 349.1 91.1 53.4 46.9 21.4 18.0 16.5 15.5	<u>1997-2006</u> -1.2* -0.8 -1.4* -2.5* -0.3 -3.0* 0.9 -0.9	All Sites Prostate Lung and Bronchus Colon and Rectum Kidney and Renal Pelvis Stomach Liver & IBD <sup>f</sup> Urinary Bladder	Rate <sup>b</sup> 2002-2006 331.0 76.1 51.6 43.1 21.7 15.5 13.6 12.4	APC° <u>1997-2006</u> -1.7 -1.5 -2.1 -2.7 -0.6 -2.2	All Sites Prostate Colon and Rectum Lung and Bronchus Urinary Bladder Non-Hodgkin Lymphoma Kidney and Renal Pelvis Liver & IBD <sup>f</sup>	Rate <sup>b</sup> 2002-2006 409.7 133.4 46.3 43.2 19.8 19.1 17.6 15.2	<u>1997-2006</u> -1.5* -2.0* -2.0* -2.7* -0.4 -0.4 2.0* 2.3*
All Sites Prostate Lung and Bronchus Colon and Rectum Liver & IBD <sup>f</sup> Stomach Urinary Bladder Non-Hodgkin Lymphoma Oral Cavity and Pharynx	Rate <sup>b</sup> 2002-2006 349.1 91.1 53.4 46.9 21.4 18.0 16.5 15.5 10.8	$\begin{array}{r} 1997-2006\\ -1.2*\\ -0.8\\ -1.4*\\ -2.5*\\ -0.3\\ -3.0*\\ 0.9\\ -0.9\\ -2.3* \end{array}$	All Sites Prostate Lung and Bronchus Colon and Rectum Kidney and Renal Pelvis Stomach Liver & IBD <sup>f</sup> Urinary Bladder Non-Hodgkin Lymphoma	Rate <sup>b</sup> 2002-2006 331.0 76.1 51.6 43.1 21.7 15.5 13.6 12.4 11.8	APC° <u>1997-2006</u> -1.7 -1.5 -2.1 -2.7 -0.6 -2.2	All Sites Prostate Colon and Rectum Lung and Bronchus Urinary Bladder Non-Hodgkin Lymphoma Kidney and Renal Pelvis Liver & IBD <sup>f</sup> Stomach	Rate <sup>b</sup> 2002-2006 409.7 133.4 46.3 43.2 19.8 19.1 17.6 15.2 14.9	<u>1997-2006</u> -1.5* -2.0* -2.7* -0.4 -0.4 2.0* 2.3* -3.6*
All Sites Prostate Lung and Bronchus Colon and Rectum Liver & IBD <sup>f</sup> Stomach Urinary Bladder Non-Hodgkin Lymphoma Oral Cavity and Pharynx Pancreas	Rate <sup>b</sup> 2002-2006 349.1 91.1 53.4 46.9 21.4 18.0 16.5 15.5 10.8 10.1	$\begin{array}{c} 1997-2006\\ -1.2*\\ -0.8\\ -1.4*\\ -2.5*\\ -0.3\\ -3.0*\\ 0.9\\ -0.9\\ -2.3*\\ -0.1\end{array}$	All Sites Prostate Lung and Bronchus Colon and Rectum Kidney and Renal Pelvis Stomach Liver & IBD <sup>f</sup> Urinary Bladder Non-Hodgkin Lymphoma Pancreas	Rate <sup>b</sup> 2002-2006 331.0 76.1 51.6 43.1 21.7 15.5 13.6 12.4 11.8 10.2	APC° <u>1997-2006</u> -1.7 -1.5 -2.1 -2.7 -0.6 -2.2	All Sites Prostate Colon and Rectum Lung and Bronchus Urinary Bladder Non-Hodgkin Lymphoma Kidney and Renal Pelvis Liver & IBD <sup>f</sup> Stomach Leukemia	Rate <sup>b</sup> 2002-2006 409.7 133.4 46.3 43.2 19.8 19.1 17.6 15.2 14.9 11.8 11.1	- <u>1997-2006</u> -1.5* -2.0* -2.7* -0.4 -0.4 2.0* 2.3* -3.6* -0.2
All Sites Prostate Lung and Bronchus Colon and Rectum Liver & IBD <sup>f</sup> Stomach Urinary Bladder Non-Hodgkin Lymphoma Oral Cavity and Pharynx Pancreas Kidney and Renal Pelvis	Rate <sup>b</sup> 2002-2006 349.1 91.1 53.4 46.9 21.4 18.0 16.5 15.5 10.8 10.1 9.6	- <u>1997-2006</u> -1.2* -0.8 -1.4* -2.5* -0.3 -3.0* 0.9 -0.9 -2.3* -0.1 1.5	All Sites Prostate Lung and Bronchus Colon and Rectum Kidney and Renal Pelvis Stomach Liver & IBD <sup>f</sup> Urinary Bladder Non-Hodgkin Lymphoma Pancreas Oral Cavity and Pharynx	Rate <sup>b</sup> 2002-2006 331.0 76.1 51.6 43.1 21.7 15.5 13.6 12.4 11.8 10.2 9.2	APC° <u>1997-2006</u> -1.7 -1.5 -2.1 -2.7 -0.6 -2.2	All Sites Prostate Colon and Rectum Lung and Bronchus Urinary Bladder Non-Hodgkin Lymphoma Kidney and Renal Pelvis Liver & IBD <sup>f</sup> Stomach Leukemia Pancreas	Rate <sup>b</sup> 2002-2006 409.7 133.4 46.3 43.2 19.8 19.1 17.6 15.2 14.9 11.8 11.1	- <u>1997-2006</u> -1.5* -2.0* -2.7* -0.4 -0.4 2.0* 2.3* -3.6* -0.2 0.6
All Sites Prostate Lung and Bronchus Colon and Rectum Liver & IBD <sup>f</sup> Stomach Urinary Bladder Non-Hodgkin Lymphoma Oral Cavity and Pharynx Pancreas Kidney and Renal Pelvis Leukemia	Rate <sup>b</sup> 2002-2006 349.1 91.1 53.4 46.9 21.4 18.0 16.5 15.5 10.8 10.1 9.6 8.9	<u>1997-2006</u> -1.2* -0.8 -1.4* -2.5* -0.3 -3.0* 0.9 -0.9 -2.3* -0.1 1.5 -1.8	All Sites Prostate Lung and Bronchus Colon and Rectum Kidney and Renal Pelvis Stomach Liver & IBD <sup>f</sup> Urinary Bladder Non-Hodgkin Lymphoma Pancreas Oral Cavity and Pharynx Leukemia	Rate <sup>b</sup> 2002-2006 331.0 76.1 51.6 43.1 21.7 15.5 13.6 12.4 11.8 10.2 9.2 7.9	APC° <u>1997-2006</u> -1.7 -1.5 -2.1 -2.7 -0.6 -2.2	All Sites Prostate Colon and Rectum Lung and Bronchus Urinary Bladder Non-Hodgkin Lymphoma Kidney and Renal Pelvis Liver & IBD <sup>f</sup> Stomach Leukemia Pancreas Oral Cavity and Pharynx	Rate <sup>b</sup> 2002-2006 409.7 133.4 46.3 43.2 19.8 19.1 17.6 15.2 14.9 11.8 11.1 9.0	<u>1997-2006</u> -1.5* -2.0* -2.7* -0.4 -0.4 2.0* 2.3* -3.6* -0.2 0.6 -2.8*
All Sites Prostate Lung and Bronchus Colon and Rectum Liver & IBD <sup>f</sup> Stomach Urinary Bladder Non-Hodgkin Lymphoma Oral Cavity and Pharynx Pancreas Kidney and Renal Pelvis Leukemia Thyroid	Rate <sup>b</sup> 2002-2006 349.1 91.1 53.4 46.9 21.4 18.0 16.5 15.5 10.8 10.1 9.6 8.9 4.2	<u>1997-2006</u> -1.2* -0.8 -1.4* -2.5* -0.3 -3.0* 0.9 -0.9 -2.3* -0.1 1.5 -1.8 1.7	All Sites Prostate Lung and Bronchus Colon and Rectum Kidney and Renal Pelvis Stomach Liver & IBD <sup>f</sup> Urinary Bladder Non-Hodgkin Lymphoma Pancreas Oral Cavity and Pharynx Leukemia Esophagus	Rate <sup>b</sup> 2002-2006 331.0 76.1 51.6 43.1 21.7 15.5 13.6 12.4 11.8 10.2 9.2 7.9 6.8	APC° <u>1997-2006</u> -1.7 -1.5 -2.1 -2.7 -0.6 -2.2	All Sites Prostate Colon and Rectum Lung and Bronchus Urinary Bladder Non-Hodgkin Lymphoma Kidney and Renal Pelvis Liver & IBD <sup>f</sup> Stomach Leukemia Pancreas Oral Cavity and Pharynx Myeloma	Rate <sup>b</sup> 2002-2006 409.7 133.4 46.3 43.2 19.8 19.1 17.6 15.2 14.9 11.8 11.1 9.0 6.4	<u>1997-2006</u> -1.5* -2.0* -2.7* -0.4 -0.4 2.0* 2.3* -3.6* -0.2 0.6 -2.8* -0.1
All Sites Prostate Lung and Bronchus Colon and Rectum Liver & IBD <sup>f</sup> Stomach Urinary Bladder Non-Hodgkin Lymphoma Oral Cavity and Pharynx Pancreas Kidney and Renal Pelvis Leukemia Thyroid Esophagus	Rate <sup>b</sup> 2002-2006 349.1 91.1 53.4 46.9 21.4 18.0 16.5 15.5 10.8 10.1 9.6 8.9 4.2 4.0	<u>1997-2006</u> -1.2* -0.8 -1.4* -2.5* -0.3 -3.0* 0.9 -0.9 -2.3* -0.1 1.5 -1.8 1.7 -2.6*	All Sites Prostate Lung and Bronchus Colon and Rectum Kidney and Renal Pelvis Stomach Liver & IBD <sup>f</sup> Urinary Bladder Non-Hodgkin Lymphoma Pancreas Oral Cavity and Pharynx Leukemia Esophagus Testis	Rate <sup>b</sup> 2002-2006 331.0 76.1 51.6 43.1 21.7 15.5 13.6 12.4 11.8 10.2 9.2 7.9 6.8 4.6	APC° <u>1997-2006</u> -1.7 -1.5 -2.1 -2.7 -0.6 -2.2	All Sites Prostate Colon and Rectum Lung and Bronchus Urinary Bladder Non-Hodgkin Lymphoma Kidney and Renal Pelvis Liver & IBD <sup>f</sup> Stomach Leukemia Pancreas Oral Cavity and Pharynx Myeloma Brain and ONS <sup>f</sup>	Rate <sup>b</sup> 2002-2006 409.7 133.4 46.3 43.2 19.8 19.1 17.6 15.2 14.9 11.8 11.1 9.0 6.4 6.1	<u>1997-2006</u> -1.5* -2.0* -2.7* -0.4 -0.4 2.0* 2.3* -3.6* -0.2 0.6 -2.8* -0.1 0.7

а Top 15 cancer sites selected based on 2002-2006 age-adjusted rates for the race/ethnic group.

h 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).

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). d

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

P 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. f

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.

с

### Table 1.25

Age-Adjusted SEER Incidence Rates and Trends for the Top 15 Cancer Sites<sup>a</sup> by Race/Ethnicity

### Females

All Ra	ces		Whit	e		Blac	k		
	Rate <sup>b</sup>	APC <sup>c</sup>		Rate <sup>b</sup>	APC <sup>c</sup>		Rateb	APC <sup>c</sup>	
		1997-2006		2002-2006	1997-2006		2002-2006	1997-2006	
All Sites	408.5	-0.8*	All Sites	420.5	-0.8*	All Sites	398.9	-0.4*	
Breast	123.8	-1.8*	Breast	127.8	-1.9*	Breast	117.7	-0.6*	
Lung and Bronchus	52.5	-0.6*	Lung and Bronchus	54.8	-0.7*	Lung and Bronchus	54.7	0.3	
Colon and Rectum	42.8	-2.1*	Colon and Rectum	42.1	-2.3*	Colon and Rectum	53.5	-1.3*	
Corpus and Uterus, NOS	23.3	-0.8*	Corpus and Uterus, NOS	24.2	-1.0*	Corpus and Uterus, NOS	20.3	1.3	
Non-Hodgkin Lymphoma	16.4	0.4	Melanoma of the Skin	18.7	2.1*	Pancreas	14.6	0.2	
Melanoma of the Skin	15.8	1.6*	Non-Hodgkin Lymphoma	17.2	0.5	Non-Hodgkin Lymphoma	12.2	0.7	
Thyroid	14.2	6.2*	Thyroid	15.0	6.5*	Cervix Uteri	10.4	-5.2*	
Ovary <sup>g</sup>	13.1	-1.6*	Ovary <sup>g</sup>	13.8	-1.7*	Kidney and Renal Pelvis	10.3	1.6	
Pancreas	10.4	0.6*	Pancreas	10.2	0.8*	Ovary <sup>g</sup>	10.1	-1.0	
Kidney and Renal Pelvis	9.5	2.8*	Urinary Bladder	9.9	-0.6	Myeloma	10.0	-0.4	
Leukemia	9.5	-0.5	Leukemia	9.9	-0.6	Stomach	9.0	-3.1*	
Urinary Bladder	9.3	-0.6*	Kidney and Renal Pelvis		2.9*	Thyroid	8.4	6.8*	
Cervix Uteri	8.2	-3.3*	Cervix Uteri	8.1	-2.8*	Urinary Bladder	7.9	0.3	
Oral Cavity and Pharynx		-1.4*	Oral Cavity and Pharynx		-1.5*	Leukemia	7.8	-0.3	
Stomach	5.5	-1.3*	Brain and $ONS^{f}$	5.9	-0.7	Oral Cavity and Pharynx	5.8	-1.1	
Asian/Pacifi	c Islander		American Indian/	Alaska Nat:	ive <sup>d</sup>	Hispanic <sup>e</sup>			
	Rate <sup>b</sup>	APC <sup>c</sup>		Rateb	APC <sup>c</sup>		Rateb	APC <sup>c</sup>	
	2002-2006	1997-2006		2002-2006	1997-2006		2002-2006	1997-2006	
All Sites	287.5	-0.5	All Sites	302.2	1.0	All Sites	312.5	-0.6*	
Breast	89.5	-0.9*	Breast	74.4	1.4	Breast	88.3	-0.6	
Colon and Rectum	34.6	-1.2	Colon and Rectum	41.2	-0.5	Colon and Rectum	32.2	-0.9*	
Lung and Bronchus	28.1	0.3	Lung and Bronchus	39.8	4.2	Lung and Bronchus	24.7	-1.9*	
Corpus and Uterus, NOS	16.8	0.6	Corpus and Uterus, NOS	16.3	1.5	Corpus and Uterus, NOS	17.8	1.0	
Thyroid	14.2	4.1*	Kidney and Renal Pelvis	14.1	_	Non-Hodgkin Lymphoma	14.6	0.2	
Non-Hodgkin Lymphoma	10.9	-0.6	Ovary <sup>g</sup>	10.8	-2.2	Thyroid	12.9	5.6*	
Stomach	10.0	-3.3*	Non-Hodgkin Lymphoma	10.0	_	Cervix Uteri	12.7	-3.8*	
Ovary <sup>g</sup>	9.9	-0.6	Pancreas	9.3	-	Ovary <sup>g</sup>	11.3	-0.9	
Liver & IBD <sup>f</sup>	8.3	0.8	Thyroid	8.5	-0.2	Pancreas	10.2	-0.8	
Pancreas	8.2	-0.2	Stomach	7.9	_	Kidney and Renal Pelvis		1.9*	
Cervix Uteri	7.6	-4.6*	Cervix Uteri	7.2	0.0	Stomach	9.3	-1.0	
Leukemia	6.1	-0.1	Liver & IBD <sup>f</sup>	6.6	_	Leukemia	8.1	-0.8	

<sup>a</sup> Top 15 cancer sites selected based on 2002-2006 age-adjusted rates for the race/ethnic group.

Leukemia

Myeloma

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).

6.1

5.1

5.1

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Liver & IBD<sup>f</sup>

Urinary Bladder

Melanoma of the Skin

0.5

0.4

-1.7

5.9

5.3

4.7

Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). The APC is the Annual Percent Change over the time interval. Incidence data used in calculating the trends are from the

Oral Cavity and Pharynx

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.
- 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.
- IBD = Intrahepatic Bile Duct. ONS = Other Nervous System.

-1.5

-1.4

3.4\*

5.4

4.8

4.0

- <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.

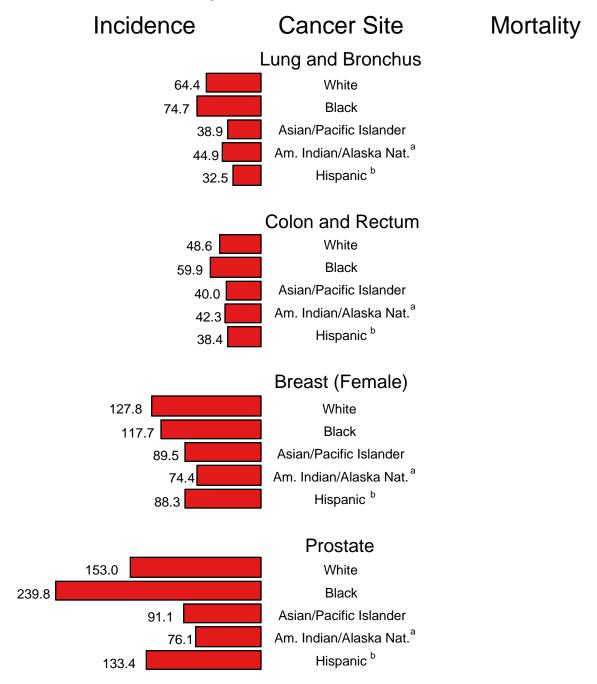
Oral Cavity and Pharynx

Kidney and Renal Pelvis

Urinary Bladder

Figure 1.12

## SEER Cancer Incidence and US Death Rates, 2002-2006 By Cancer Site and Race

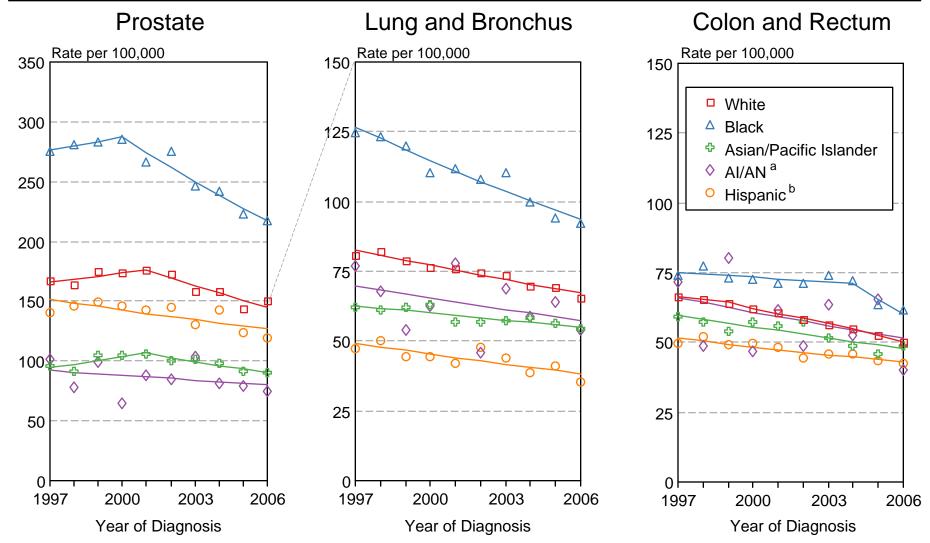


Source: SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, and New Jersey) and US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention. Rates are per 100,000 and age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

<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 Minnesota, New Hampshire, and North Dakota.

# SEER Incidence 1997-2006 Males by Race/Ethnicity

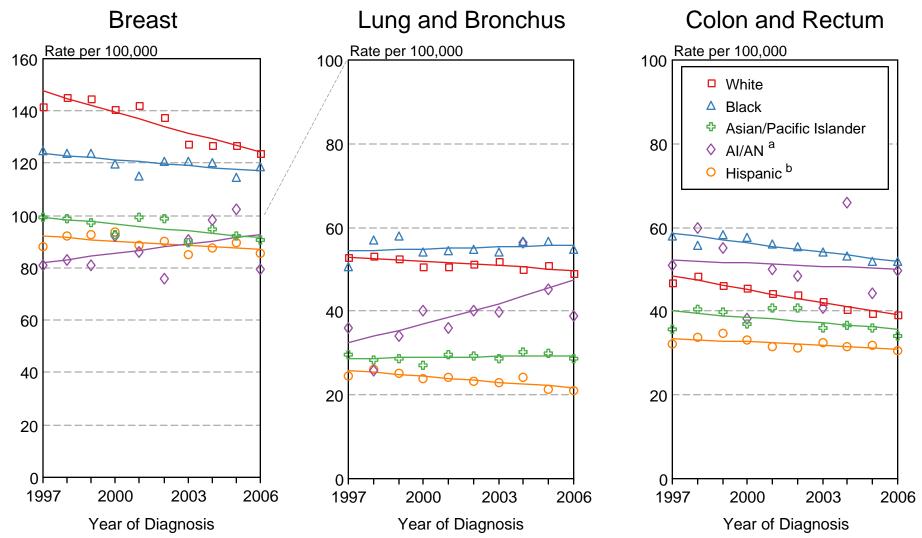


Source: SEER 13 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, 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 1997-2006 Females by Race/Ethnicity



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 3.3.1, April 2008, 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.

### Table 2.12 All Cancer Sites (Invasive)

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

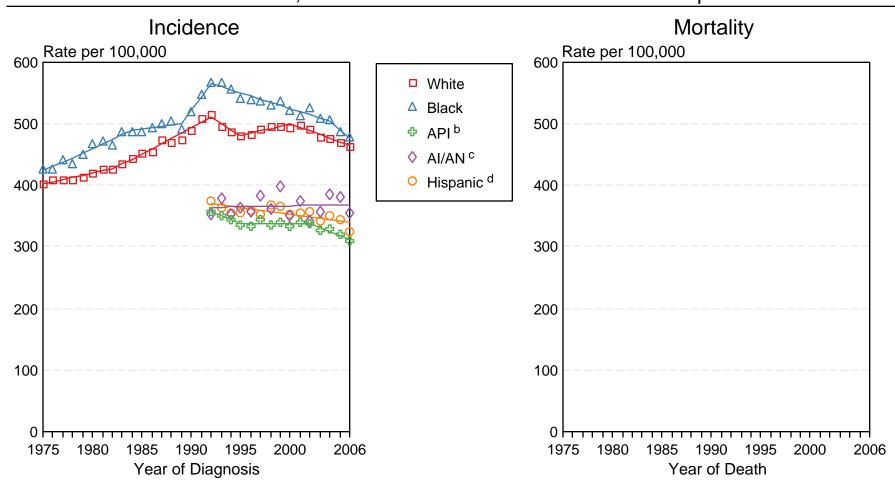
SEER Incidence	Rate	R 17 Are 2002-2 100,00			d 1997-	13 Areas <sup>b</sup> SEER 9 Are           1997-2006 <sup>c</sup> Trend 1997-2           APC (%)         AAPC (%)			2006 <sup>d</sup>
RACE/ETHNICITY	Total	Males	Females		Males	Females	Total	Males	Females
All Races	462.9	541.8	408.5	-0.8*	-1.1*	-0.7*	-0.6*	-0.9*	-0.5*
White White Hispanic <sup>e</sup>	470.6 357.2	544.3 416.0	420.5 319.7	-0.8* -0.7*	-1.1* -1.7*	-0.7* -0.3*	-0.6*	-0.9*	-0.5*
White Non-Hispanic <sup>e</sup>	489.2	564.4	437.4	-0.6*	-1.0*	-0.6*	-	-	-
Black	493.6	633.7	398.9	-1.5*	-2.6*	-0.2	-1.4*	-2.4*	-0.1
Asian/Pacific Islander	311.1	349.1	287.5	-0.9*	-1.1*	-0.4	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	313.6	331.0	302.2	0.1	-1.0*	1.1*	-	-	-
Hispanic <sup>e</sup>	350.6	409.7	312.5	-0.6*	-1.7*	-0.2	-	-	-
U.S. Mortality <sup>g</sup>	Rate	≥ 2002-2	006	Tren	d 1997-	2006 <sup>h</sup>			
			0 persons		AAPC (%)				
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females			
	196 0	220.0	167 0	1 2*	1 0*	1 1*			
All Races	186.9	229.9	157.8	-1.3*	-1.8*	-1.1*			
White White Hispanic <sup>e</sup>	185.4 129.0	226.7 159.8	157.3 107.7	-1.2* -1.5*	-1.6* -2.1*	-1.0* -1.2*			
White Non-Hispanic <sup>e</sup>	189.8	231.8	161.2	-1.1*	-1.4*	-0.9*			
Black	229.0	304.2	183.7	-2.0*	-2.6*	-1.4*			
Asian/Pacific Islander	111.8	135.4	95.1	-1.7*	-2.1*	-1.1*			
Amer Ind/Alaska Nat									
Total U.S. CHSDA Counties	125.1 157.8	146.4 183.3	110.1 140.1	-1.6* -0.2	-2.6* -0.5*	-0.6* 0.1			
Non-CHSDA Counties	84.1	100.7	72.0	-2.4*	-4.0	-1.3			
Hispanic <sup>e</sup>	124.7	154.7	103.9	-1.5*	-2.2*	-1.1*			
the Joinpoint Regre Statistic not shown Trend based on less Rates are age-adjus are based on rates The SEER 9 areas ar	. Rate bas than 10 c ted to the age-adjust	ed on l cases fo 2000 U ced to t	ess than 16 r at least S Std Popul he 2000 US	cases fo one year ation (19 Std Popul	r the t within age gr ation (	ime interva the time in oups - Cens 19 age grou	l. terval. us P25-11 ps - Cens	.30). T sus P25-	1130).
and Atlanta. The SEER 13 areas c Native Registry and The SEER 17 areas c Louisiana and New J The 1997-2006 AAPC diagnosis years 199 The 1997-2006 AAPC diagnosis years 197 Hispanic and Non-Hi Islanders, and Amer are based on NHIA a Non-Hispanic death and North Dakota. Connecticut, the Di Dakota, Oklahoma an Incidence data for Delivery Area) coun US Mortality Files,	Rural Gec omprise th ersey. estimates 2-2006. estimates 5-2006. spanic are ican India nd exclude rates excl The 1997-2 strict of d Vermont. American I ties.	are bas are ba	13 areas pl ed on a Joi ed on a Joi tually excl ka Natives. from the Al ths from th panic and N a, Maine, M laska Nativ	us Califc npoint an npoint an usive fro Inciden aska Nati e Distric on-Hispan aryland, e are bas	e-Monte: alysis of alysis of m white: ce data ve Regii t of Co. ic mort: Minneso ed on tl	rey, Los An cluding SF/ with up to with up to s, blacks, for Hispan stry. The lumbia, Min ality trend ta, New Ham	SJM/LA, F 2 Joinpoi 4 Joinpoi Asian/Pac ics and N 2002-2006 nesota, N s exclude pshire, N	Centucky .nts ove .nts ove .ific Jon-Hisp Hispan Jew Hamp deaths Jew York	, r anics ic and shire from , North

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## SEER Incidence and US Death Rates<sup>a</sup> All Cancer Sites, Both Sexes Joinpoint Analyses for Whites and Blacks from 1975-2006 and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2006



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).

- National Cancer Institute

Figure 2.4

<sup>b</sup> API = Asian/Pacific Islander. c Al/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

1975-2006 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2006 allow a maximum of 2 joinpoints.

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

Regression lines are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the

### Table 3.12 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	Rate	17 Are 2002-2 100,00		Trend 1997-2006 <sup>c</sup> Trend			R 9 Areas <sup>b</sup> d 1997-2006 <sup>d</sup> AAPC (%)		
RACE/ETHNICITY	Total	Males	Females		Males	Females	Total	Males	Females
All Races	6.4	7.6	5.4	-0.4*	-0.6*	-0.2	-0.4*	-0.7*	-0.3
White	7.1	8.4		-0.2	-0.4*	-0.1	-0.2	-0.5*	-0.7
White Hispanic <sup>e</sup>	7.1 5.4	8.4 6.3	5.9 4.7	-0.2	-0.4* 0.8	-0.1	-0.2	-0.5*	-0.7
White Non-Hispanic <sup>e</sup>	7.5	8.9	6.2	-0.1	-0.4	0.2	-	-	-
Black	4.0	4.7	3.4	-0.2	-0.3	-0.1	0.2	-0.1	0.5
Asian/Pacific Islander	3.5	3.9	3.1	-1.8	-1.2	-0.5	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	3.3	3.7	3.0	-	-	-	_	-	-
Hispanic <sup>e</sup>	5.3	6.1	4.6	0.3	1.0	-0.6	_	-	-
U.S. Mortality <sup>g</sup>									
		2002-2	006 0 persons		nd 1997- AAPC (%				
	Total		Females	Total		Females			
RACE/ETHNICITY									
All Races	4.3	5.3	3.5	-1.0*	-0.9*	-1.1*			
White	4.7	5.7	3.8	-0.9*	-0.9*	-1.0*			
White Hispanic <sup>e</sup> White Non-Hispanic <sup>e</sup>	2.9 4.9	3.4 5.9	2.5 4.0	-0.3 -0.8*	-0.6 -0.8*	-0.1 -0.9*			
Black	2.5	3.2	2.1	-1.0*	-0.7*	-1.2*			
Asian/Pacific Islander	2.0	2.5	1.6	0.1	1.2	-1.0			
	2.0	2.5	1.0	0.1	1.2	1.0			
Amer Ind/Alaska Nat Total U.S.	1.7	2.3	1.3	-0.9	-0.2	-			
CHSDA Counties	2.0	2.9	1.3	-0.3	-	-			
Non-CHSDA Counties	1.4	1.5	1.3	-	-	-			
Hispanic <sup>e</sup>	2.8	3.3	2.4	-0.2	-0.5	0.0			
The AAPC is the Aver the Joinpoint Regres Statistic not shown. Trend based on less Rates are age-adjust are based on rates a The SEER 9 areas are and Atlanta. The SEER 13 areas co Native Registry and The SEER 17 areas co Louisiana and New Je The 1997-2006 AAPC e diagnosis years 1992 The 1997-2006 AAPC e diagnosis years 1975 Hispanic and Non-Hiss Islanders, and Ameri are based on NHIA an Non-Hispanic death r and North Dakota. T Connecticut, the Dis Dakota, Oklahoma and Incidence data for A Delivery Area) count US Mortality Files,	sion Prog Rate bas than 10 c ed to the ge-adjust San Fran mprise th Rural Geo mprise th rsey. stimates -2006. stimates -2006. panic are can India d exclude ates excl he 1997-2 trict of Vermont. merican I	ram Ver ed on 1 ases fo 2000 U ed to t cisco, e SEER are bas are bas are bas not mu ns/Alas cases ude dea 006 His Columbi	sion 3.3, A ess than 16 r at least S Std Popul he 2000 US Connecticut 9 areas plu 13 areas plu 13 areas plu ed on a Joi ed on a Joi tually excl ka Natives. from the Al ths from th panic and N a, Maine, M	April 2008 is cases for one year ation (19 Std Popul s, Detroit as San Jos Lus Califor Inpoint ar Inpoint ar Lusive from Lusive from Lusive from Lusive from Lusive from Lusive from Lusive from Lusiv	3, Natio or the t within age gr ation ( c, Hawai se-Monte ornia ex nalysis nalysis m white adve Regi to of Co nic mort Minneso	nal Cancer ime interva the time in oups - Cens 19 age grou i, Iowa, Ne rey, Los An cluding SF/ with up to with up to s, blacks, for Hispan stry. The lumbia, Min ality trend ta, New Ham	Institute 1. terval. us P25-11 ps - Cens w Mexico geles, th 2 Joinpo: 4 Joinpo: Asian/Pac ics and P 2002-2006 nesota, P s exclude pshire, P	2. 130). T sus P25- , Seattl ne Alask (entucky ints ove ints ove cific Von-Hispan Vew Hamp e deaths Vew York	rends 1130). e, Utah a , r r anics ic and shire from , North

The 1997-2006 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2006. The APC is significantly different from zero (p<.05). h

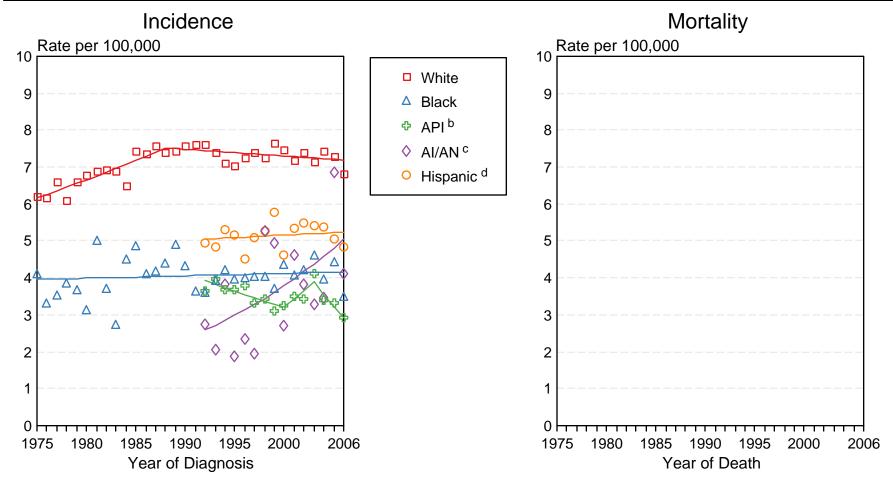
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### SEER Incidence and US Death Rates<sup>a</sup> Cancer of the Brain and Other Nervous System, Both Sexes Joinpoint Analyses for Whites and Blacks from 1975-2006 and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2006





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

- Regression lines are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2006 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2006 allow a maximum of 2 joinpoints. • API = Asian/Pacific Islander. • Al/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- d Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, Maine, Maryland, Minesota, New Hampshire, New York.
  - North Dakota, Oklahoma, and Vermont.

### Table 4.17 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> Rate 2002-2006 Rate per 100,000 persons	SEER 13 Areas <sup>b</sup> Trend 1997-2006° AAPC (%)	SEER 9 Areas <sup>b</sup> Trend 1997-2006 <sup>d</sup> AAPC (%)
	Females	Females	Females
RACE/ETHNICITY			
All Races	123.8	-1.4*	-1.3*
White	127.8	-1.5*	-1.4*
White Hispanic <sup>e</sup> White Non-Hispanic <sup>e</sup>	90.5 134.0	-0.1 -1.5*	-
-			
Black	117.7	-0.2	-0.3
Asian/Pacific Islander	89.5	-0.8*	-
Amer Ind/Alaska Nat <sup>f</sup>	74.4	-0.3	-
Hispanic <sup>e</sup>	88.3	0.0	-
<u>U.S. Mortality<sup>g</sup></u>	Rate 2002-2006 Rate per 100,000 persons	Trend 1997-2006 <sup>h</sup> AAPC (%)	
	Females	Females	
RACE/ETHNICITY			
All Races	24.5	-2.1*	
White	23.9	-2.1*	
White Hispanic <sup>e</sup> White Non-Hispanic <sup>e</sup>	16.0 24.5	-2.0* -1.9*	
witte Non-hispanic			
Black	33.0	-1.6*	
Asian/Pacific Islander	12.5	-0.6*	
Amer Ind/Alaska Nat			
Total U.S. CHSDA Counties	14.3 17.6	-0.7 0.3	
Non-CHSDA Counties	10.2	-2.3*	
Hispanic <sup>e</sup>	15.5 cage Annual Percent Change ov	-1.9*	
the Joinpoint Regres Statistic not shown. Trend based on less Rates are age-adjust are based on rates a The SEER 9 areas are and Atlanta. The SEER 13 areas co Native Registry and The SEER 17 areas co Louisiana and New Je The 1997-2006 AAPC e diagnosis years 1992	ssion Program Version 3.3, Ap . Rate based on less than 16 than 10 cases for at least of ed to the 2000 US Std Popula age-adjusted to the 2000 US S e San Francisco, Connecticut, comprise the SEER 9 areas plus Rural Georgia. comprise the SEER 13 areas plus estimates are based on a Joir 2-2006. estimates are based on a Joir	bril 2008, National Cancer cases for the time interva one year within the time in ation (19 age groups - Cens Std Population (19 age grou Detroit, Hawaii, Iowa, Ne s San Jose-Monterey, Los An as California excluding SF/ apoint analysis with up to	Institute. 1. terval. us P25-1130). Trends ps - Census P25-1130). w Mexico, Seattle, Utah geles, the Alaska SJM/LA, Kentucky, 2 Joinpoints over
Hispanic and Non-His Islanders, and Ameri are based on NHIA ar Non-Hispanic death r and North Dakota. T Connecticut, the Dis Dakota, Oklahoma and	spanic are not mutually exclu ican Indians/Alaska Natives. nd exclude cases from the Ala rates exclude deaths from the the 1997-2006 Hispanic and No strict of Columbia, Maine, Ma	Incidence data for Hispan aska Native Registry. The e District of Columbia, Min on-Hispanic mortality trend aryland, Minnesota, New Ham	ics and Non-Hispanics 2002-2006 Hispanic and nesota, New Hampshire s exclude deaths from pshire, New York, North

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

h

US Mortality Files, National Center for Health Statistics, CDC. The 1997-2006 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2006. The APC is significantly different from zero (p<.05). \*

\_ а b

С d e

### Table 4.18 Cancer of the Female Breast (*In Situ*)

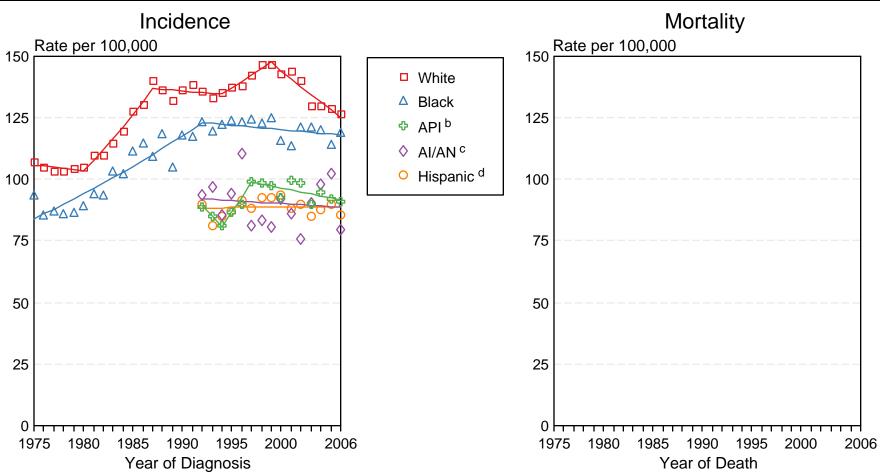
#### SEER Incidence Age-Adjusted Rates and Trends<sup>a</sup> By Race/Ethnicity

SEER Incidence	SEER 17 Areas <sup>b</sup> Rate 2002-2006 Rate per 100,000 persons	SEER 13 Areas <sup>b</sup> Trend 1997-2006 <sup>c</sup> AAPC (%)	SEER 9 Areas <sup>b</sup> Trend 1997-2006 <sup>d</sup> AAPC (%)
	Females	Females	Females
RACE/ETHNICITY			
All Races	29.6	1.3*	-
White	30.3	1.1*	_
White Hispanic <sup>e</sup>	19.4	2.6*	-
White Non-Hispanic <sup>e</sup>	32.3	1.2*	-
Black	26.6	2.1*	-
Asian/Pacific Islander	25.9	2.7*	-
Amer Ind/Alaska Nat <sup>f</sup>	14.7	-	-
Hispanic <sup>e</sup>	18.9	2.5*	-

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute. Statistic not shown. Rate based on less than 16 cases for the time interval. Trend based on less than 10 cases for at least one year within the time interval. Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). а 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. С The 1997-2006 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2006. d The 1997-2006 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2006. 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 Female Breast Joinpoint Analyses for Whites and Blacks from 1975-2006 and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2006



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).

<sup>b</sup> API = Asian/Pacific Islander. c Al/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

1975-2006 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2006 allow a maximum of 2 joinpoints.

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

Regression lines are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the

### Table 5.10 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> Rate 2002-2006 Rate per 100,000 persons	SEER 13 Areas <sup>b</sup> Trend 1997-2006° AAPC (%)	SEER 9 Areas <sup>b</sup> Trend 1997-2006 <sup>d</sup> AAPC (%)
	Females	Females	Females
RACE/ETHNICITY			
All Races	8.2	-2.9*	-3.6*
White	8.1	-2.4*	-2.6*
White Hispanic <sup>e</sup>	13.1	-3.8*	-
White Non-Hispanic <sup>e</sup>	7.1	-2.5*	-
Black	10.4	-5.2*	-3.8*
Asian/Pacific Islander	7.6	-4.8*	-
Amer Ind/Alaska Nat <sup>f</sup>	7.2	-1.6	-
Hispanic <sup>e</sup>	12.7	-3.8*	-
U.S. Mortality <sup>g</sup>		h	
	Rate 2002-2006 Rate per 100,000 persons	Trend 1997-2006 <sup>h</sup> AAPC (%)	
	Females	Females	
RACE/ETHNICITY	rendres	Females	
All Races	2.5	-2.8*	
White	2.2	-2.4*	
White Hispanic <sup>e</sup>	3.3	-3.0*	

White Non-Hispanic <sup>e</sup>	2.1	-2.5*
Black	4.6	-4.5*
Asian/Pacific Islander	2.2	-3.8*
Amer Ind/Alaska Nat Total U.S. CHSDA Counties Non-CHSDA Counties	2.5 3.4 1.3	-4.5* -3.7* -
Hispanic <sup>e</sup>	3.1	-2.9*

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute. Statistic not shown. Rate based on less than 16 cases for the time interval.

- Trend based on less than 10 cases for at least one year within the time interval.
- Rates are age-adjusted to the 2000 US Std Population (19 age groups Census P25-1130). Trends
- are based on rates age-adjusted to the 2000 US Std Population (19 age groups Census P25-1130). 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.

с The 1997-2006 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2006.

d The 1997-2006 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2006.

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 ρ are based on NHIA and exclude cases from the Alaska Native Registry. The 2002-2006 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, Minnesota, New Hampshire and North Dakota. The 1997-2006 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. q

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

The 1997-2006 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2006. 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 1975-2006 and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2006

Mortality Incidence Rate per 100,000 Rate per 100,000 35 35 White Δ Black 30 30 Δ API <sup>b</sup> ት AI/AN <sup>c</sup> 25 25 Λ Hispanic <sup>d</sup> 0 20 20 15 15 10 10 5 5 0 1980 1985 1990 1995 2000 1980 1990 1995 1975 2006 1975 1985 2000 2006 Year of Diagnosis Year of Death

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.

Figure 5.3

- National Cancer Institute
- <sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups Census P25-1103). Regression lines are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the
  - 1975-2006 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2006 allow a maximum of 2 joinpoints.
- <sup>b</sup> API = Asian/Pacific Islander.
- c Al/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- <sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

### Table 6.18 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	Rate	R 17 Are 2002-2 100,00			ER 13 An 1d 1997- AAPC (9	2006 <sup>°</sup>		SEER 9 Areas <sup>b</sup> Trend 1997-2006 <sup>d</sup> AAPC (%) Total Males Females		
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females	Total	Males	Females	
All Races	49.1	57.3	42.8	-2.2*	-2.6*	-1.9*	-2.3*	-2.9*	-1.9*	
White	48.6	56.9	42.1	-2.3*	-2.8*	-2.1*	-2.4*	-2.7*	-2.1*	
White Hispanic <sup>e</sup>	39.1	47.3	32.7	-1.2*	-2.0*		-	-	-	
White Non-Hispanic <sup>e</sup>	49.9	58.1	43.3	-2.3*	-2.8*			-	-	
Black	59.9	69.3	53.5	-1.4*	-2.2*	-1.1*	-1.5*	-2.2*	-0.4*	
Asian/Pacific Islander	40.0	46.9	34.6	-1.9*	-2.3*	-0.8*	-	-	-	
Amer Ind/Alaska Nat <sup>f</sup>	42.3	43.1	41.2	-0.1	-0.9	0.8	-	-	-	
Hispanic <sup>e</sup>	38.4	46.3	32.2	-1.1*	-1.7*	-0.4*	-	-	-	
<u>U.S. Mortality<sup>g</sup></u>	Deta	2002-2	2006		nd 1997-	anach				
			0 persons		AAPC (%					
	Total	Males	Females		Males	Females				
RACE/ETHNICITY										
All Races	18.2	21.9	15.4	-2.7*	-2.9*	-2.7*				
White	17.7	21.4	14.9	-2.8*	-3.0*					
White Hispanic <sup>e</sup> White Non-Hispanic <sup>e</sup>	13.5 18.0	16.6 21.7	11.1 15.1	-1.3* -2.6*	-2.2* -2.8*					
whitee non hispanie	10.0	21.7	10.1	2.0	2.0	2.0				
Black	25.4	31.4	21.6	-1.9*	-1.3*	-2.3*				
Asian/Pacific Islander	11.6	13.8	10.0	-2.2*	-2.4*	-1.9*				
Amer Ind/Alaska Nat			10.0			0.51				
Total U.S. CHSDA Counties	12.4 16.4	15.3 20.0	10.2 13.7	-3.3* -2.1*	-3.1* -1.4	-3.5* -1.1				
Non-CHSDA Counties	7.3	9.4	5.7	-2.7*	-6.9*	-3.1*				
Hispanic <sup>e</sup>	13.0	16.1	10.7	-1.3	-2.2*	-0.8				
-								]]	at ad lass	
The AAPC is the Aver the Joinpoint Regres Statistic not shown. Trend based on less Rates are age-adjust are based on rates a The SEER 9 areas are and Atlanta. The SEER 13 areas co Native Registry and The SEER 17 areas co Louisiana and New Je The 1997-2006 AAPC e diagnosis years 1992 The 1997-2006 AAPC e diagnosis years 1975 Hispanic and Non-His Islanders, and Ameri are based on NHIA an Non-Hispanic death r and North Dakota. T Connecticut, the Dis Dakota, Oklahoma and Incidence data for A Delivery Area) count US Mortality Files, The 1997-2006 mortal The APC is significa	sion Prog Rate bas than 10 c ed to the ge-adjust San Fran mprise th Rural Geo mprise th rsey. stimates -2006. stimates -2006. panic are can India d exclude ates excl he 1997-2 trict of Vermont. merican I ies. National ity AAPCs	ram Ver ed on 1 asses foo 2000 U ed to t tacisco, e SEER are bas are bas are bas are bas cont mu ns/Alas cases ude dea Columbi ndian/A Center are ba	sion 3.3, A ess than 16 r at least S Std Popul he 2000 US Connecticut 9 areas plu 13 areas plu ed on a Joi ed on a Joi tually excl ka Natives. from the Al ths from th panic and N a, Maine, M laska Nativ for Health sed on a Jo	<pre>april 2008 i cases fc one year .ation (19 Std Popul , Detroit as San Jos .us Califo .npoint an .usive fro Inciden .aska Nati be Distric Ion-Hispan faryland, re are bas Statistic Dinpoint a</pre>	3, Natio or the t within age gr ation ( ation ( ati	nal Cancer ime interva the time in oups - Cens 19 age grou i, Iowa, Ne rey, Los An cluding SF/ with up to with up to with up to s, blacks, for Hispan stry. The lumbia, Min ality trend ta, New Ham he CHSDA(Co	Institute 1. terval. us P25-11 ps - Cens w Mexico, geles, th SJM/LA, F 2 Joinpoi 4 Joinpoi 4 Joinpoi Asian/Pac ics and P 2002-2006 nesota, N s exclude pshire, N ntract He	2. Sus P25- Seattl Me Alask Centucky Ints ove Sific Son-Hispa Se deaths New Hamp Se deaths New York Sealth Se	rends 1130). e, Utah a r r r anics ic and shire from , North rvice	

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### Table 6.19 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 2002-2006 Rate per 100,000 persons			SEER 13 Areas <sup>b</sup> Trend 1997-2006° AAPC (%)			SEER 9 Areas <sup>b</sup> Trend 1997-2006 <sup>d</sup> AAPC (%)		
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females	Total	Males	Females
KACE/ETIMICITI									
All Races	35.5	40.0	32.0	-2.1*	-2.6*	-1.8*	-2.3*	-2.8*	-1.9*
White White Hispanic <sup>e</sup> White Non-Hispanic <sup>e</sup>	35.1 27.2 36.1	39.7 31.6 40.8	31.5 23.8 32.4	-2.3* -0.8* -2.3*	-2.8* -0.5 -2.8*		-2.4* _ _	-2.8* _ _	-2.0*
Black	46.0	52.3	41.8	-1.5*	-2.1*	-1.2*	-1.0*	-1.1*	-0.2*
Asian/Pacific Islander	27.0	30.1	24.6	-2.1*	-2.7*	-0.9*	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	31.1	29.7	32.0	-0.1	-1.6	1.3	-	-	-
Hispanic <sup>e</sup>	26.6	30.8	23.4	-0.8	-1.4*	-0.2	-	-	-

SEER Incidence	SEER 17 Areas <sup>b</sup> Rate 2002-2006 Rate per 100,000 persons				ER 13 Ar d 1997-2 AAPC (%	2006°	SEER 9 Areas <sup>b</sup> Trend 1997-2006 <sup>d</sup> AAPC (%)		
RACE/ETHNICITY		Males	Females		Males	Females		Males	Females
All Races	13.6	17.2	10.7	-2.2*	-2.4*	-2.1*	-2.2*	-2.5*	-2.0*
White White Hispanic <sup>e</sup> White Non-Hispanic <sup>e</sup>	13.5 11.9 13.8	17.1 15.8 17.4	10.6 8.9 10.8	-2.5* -1.2* -2.5*	-2.6* -1.5* -2.6*	-2.5* -1.2* -2.5*	-2.5* - -	-2.6* - -	-2.4* - -
Black	13.9	17.0	11.7	-0.6	-1.0*	-0.1	-0.2	-2.3	-0.3
Asian/Pacific Islander	13.0	16.8	10.0	-1.1*	-1.1	-0.9	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	11.2	13.4	9.2	-0.4	-	-	-	-	-
Hispanic <sup>e</sup>	11.7	15.4	8.8	-1.1*	-1.4*	-1.0*	-	-	-

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute. Statistic not shown. Rate based on less than 16 cases for the time interval.

Trend based on less than 10 cases for at least one year within the time interval. Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). а 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.

The 1997-2006 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over C diagnosis years 1992-2006.

d The 1997-2006 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2006.

e Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific

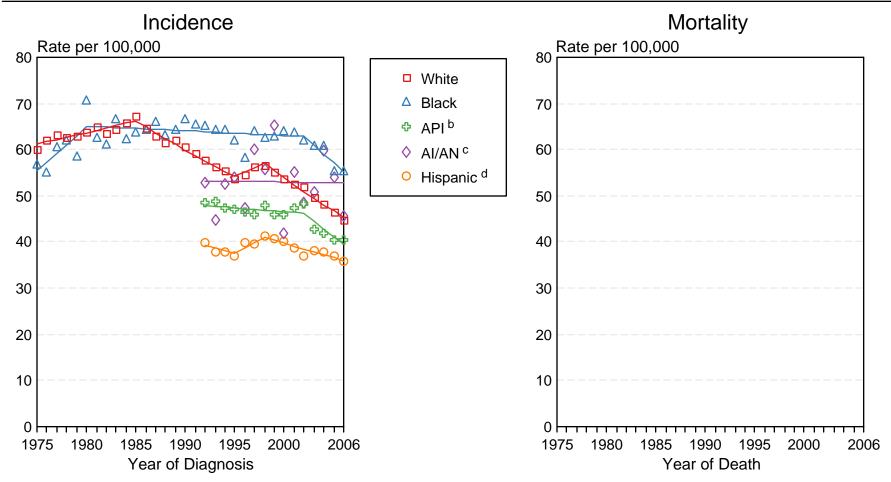
Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry

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

Cancer of the Rectum

# SEER Incidence and US Death Rates<sup>a</sup> Cancer of the Colon and Rectum, Both Sexes Joinpoint Analyses for Whites and Blacks from 1975-2006

and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2006



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

National Cancer Institute

- Regression lines are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2006 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2006 allow a maximum of 2 joinpoints. <sup>b</sup> API = Asian/Pacific Islander.
- c Al/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- <sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Figure 6.2

### Table 7.10 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> Rate 2002-2006 Rate per 100,000 persons	SEER 13 Areas <sup>b</sup> Trend 1997-2006 <sup>c</sup> AAPC (%)	SEER 9 Areas <sup>b</sup> Trend 1997-2006 <sup>d</sup> AAPC (%)
	Females	Females	Females
RACE/ETHNICITY			
All Races	23.3	-0.7*	-0.6*
White	24.2	-0.9*	-0.8*
White Hispanic <sup>e</sup>	18.3	0.8*	-
White Non-Hispanic <sup>e</sup>	25.0	-1.0*	-
Black	20.3	1.3*	1.2*
Asian/Pacific Islander	16.8	1.1*	-
Amer Ind/Alaska Nat <sup>f</sup>	16.3	-	-
Hispanic <sup>e</sup>	17.8	0.9*	-
<u>U.S. Mortality<sup>g</sup></u>			

<u>U.S. Mortality</u>	Rate 2002-2006 Rate per 100,000 persons	Trend 1997-2006 <sup>h</sup> AAPC (%)
	Females	Females
RACE/ETHNICITY		
All Races	4.1	0.3*
White	3.9	-0.1
White Hispanic <sup>e</sup> White Non-Hispanic <sup>e</sup>	3.2 3.9	-0.3 -0.1
white Non-hispanic	5.9	-0.1
Black	7.2	0.3
Asian/Pacific Islander	2.5	1.3*
Amer Ind/Alaska Nat		
Total U.S.	2.2	-1.2
CHSDA Counties	3.0	-
Non-CHSDA Counties	1.3	-
Hispanic <sup>e</sup>	3.1	-0.2

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute. Statistic not shown. Rate based on less than 16 cases for the time interval.

- Trend based on less than 10 cases for at least one year within the time interval.
- 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.

с The 1997-2006 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2006.

d The 1997-2006 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2006.

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 ρ are based on NHIA and exclude cases from the Alaska Native Registry. The 2002-2006 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, Minnesota, New Hampshire and North Dakota. The 1997-2006 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

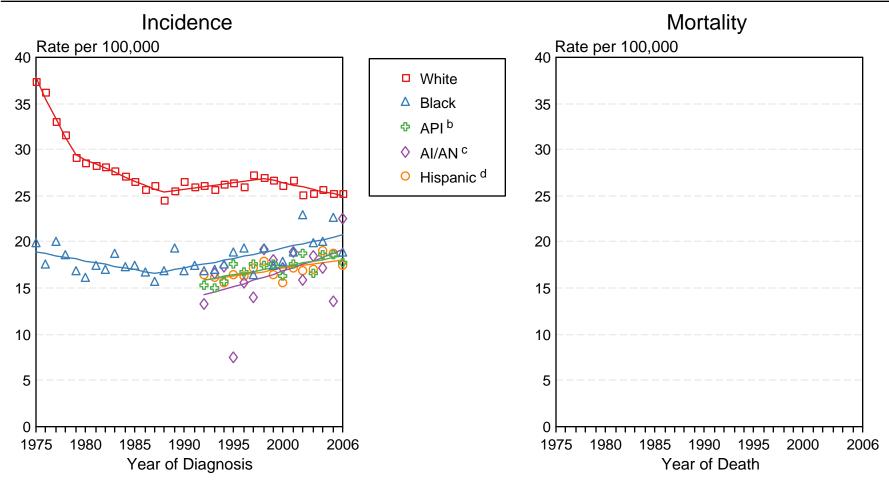
Incidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

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

The 1997-2006 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2006. 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 1975-2006

and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2006



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

- Rates are age-adjusted to the 2000 OS Std Population (19 age groups Census P25-1105).
   Regression lines are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2006 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2006 allow a maximum of 2 joinpoints.
   API = Asian/Pacific Islander.
  - c AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
  - <sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Cancer Statistics Review 1975-2006

### Table 8.12 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	Rate	2 17 Are 2002-2 100,00			ER 13 A1 d 1997- AAPC ( <sup>9</sup>	2006°		ER 9 Are d 1997-2 AAPC (%	2006 <sup>d</sup>
	Total	Males	Females	Total	Males	Females	Total	Males	Females
RACE/ETHNICITY									
All Races	4.5	7.7	2.0	-0.1	0.0	-0.8*	0.5*	0.7*	-0.3*
White	4.6	7.9	1.9	0.9*	-0.3	-0.1	0.4	1.6*	0.1
White Hispanic <sup>e</sup> White Non-Hispanic <sup>e</sup>	2.9 4.9	5.2 8.3	1.2 2.0	-2.0* 0.2	-2.0* 0.2	- 0.1	-	-	-
white Non-Hispanic	4.9	0.3	2.0	0.2	0.2	0.1	-	-	-
Black	5.6	9.3	3.0	-4.9*	-5.3*	-3.9*	-4.5*	-4.9*	-2.7*
Asian/Pacific Islander	2.4	4.0	1.2	-1.1	-1.6*	-	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	4.4	6.8	2.4	-	-	-	-	-	-
Hispanic <sup>e</sup>	2.9	5.1	1.2	-1.8*	-1.8*	-2.4	-	-	-
U.S. Mortality <sup>g</sup>									
		2002-2			d 1997- AAPC (%				
	_		0 persons						
RACE/ETHNICITY	<u>    Total   </u>	Males	Females	<u>    Total    </u>	Males	Females			
			1 5	0.0	0 5 4	0.54			
All Races	4.4	7.8	1.7	0.2	0.5*	-0.5*			
White	4.4	7.9	1.6	1.1*	1.4*	-0.2			
White Hispanic <sup>e</sup>	2.4	4.3	0.9	-1.5*	-1.4*				
White Non-Hispanic <sup>e</sup>	4.6	8.1	1.7	1.3*	1.6*	0.0			
Black	5.4	9.2	2.7	-4.3*	-4.5*	-3.7*			
Asian/Pacific Islander	1.8	3.1	0.9	-2.2*	-2.4*	-1.0			
Amer Ind/Alaska Nat									
Total U.S.	3.0	5.1	1.4	2.0*	0.8 2.3*	-			
CHSDA Counties Non-CHSDA Counties	3.9 1.9	6.7 3.0	1.7 1.0	3.4*	2.3° -	_			
						0.0.*			
Hispanic <sup>e</sup>	2.3	4.1	0.9	-1.5	-1.4*	-2.0*			
The AAPC is the Ave the Joinpoint Regre Statistic not shown Trend based on less Rates are age-adjus are based on rates The SEER 9 areas are and Atlanta.	ssion Prog . Rate bas than 10 c ted to the age-adjust e San Fran	ram Ver ed on 1 ases fo 2000 U ed to t cisco,	sion 3.3, A ess than 16 or at least S Std Popul he 2000 US Connecticut	pril 2008 cases fo one year ation (19 Std Popul , Detroit	, Natio r the t within age gr ation ( , Hawai	nal Cancer ime interva the time ir oups - Cens 19 age grou i, Iowa, Ne	Institute al. nterval. sus P25-13 ups - Cens ew Mexico,	e. 130). T sus P25- , Seattl	rends 1130). e, Utah
The SEER 13 areas c Native Registry and			9 areas plu	ıs San Jos	e-Monte	rey, Los Ar	ngeles, th	ne Alask	a
The SEER 17 areas c Louisiana and New J	omprise th		13 areas pl	us Califo	rnia ex	cluding SF/	SJM/LA, H	Kentucky	· ,
The 1997-2006 AAPC diagnosis years 199	estimates	are bas	ed on a Joi	npoint an	alysis	with up to	2 Joinpoi	ints ove	r
The 1997-2006 AAPC diagnosis years 197	estimates	are bas	ed on a Joi	npoint an	alysis	with up to	4 Joinpoi	ints ove	r
Hispanic and Non-Hi. Islanders, and Amer are based on NHIA at Non-Hispanic death and North Dakota. Connecticut, the Di Dakota, Oklahoma an Incidence data for	ican India nd exclude rates excl The 1997-2 strict of d Vermont.	ns/Alas cases ude dea 006 His Columbi	ka Natives. from the Al ths from th panic and N a, Maine, M	Inciden aska Nati de Distric Non-Hispan Maryland,	ce data ve Regi t of Co ic mort Minneso	for Hispar stry. The lumbia, Mir ality trend ta, New Han	nics and 1 2002-2000 inesota, 1 ds exclude mpshire, 1	Non-Hisp 5 Hispan New Hamp e deaths New York	ic and shire from , North
Delivery Area) coun US Mortality Files,	ties. National	Center	for Health	Statistic	s, CDC.				
The 1997-2006 morta The APC is signific					nalysis	using year	rs of deat	ch 1992-	2006.

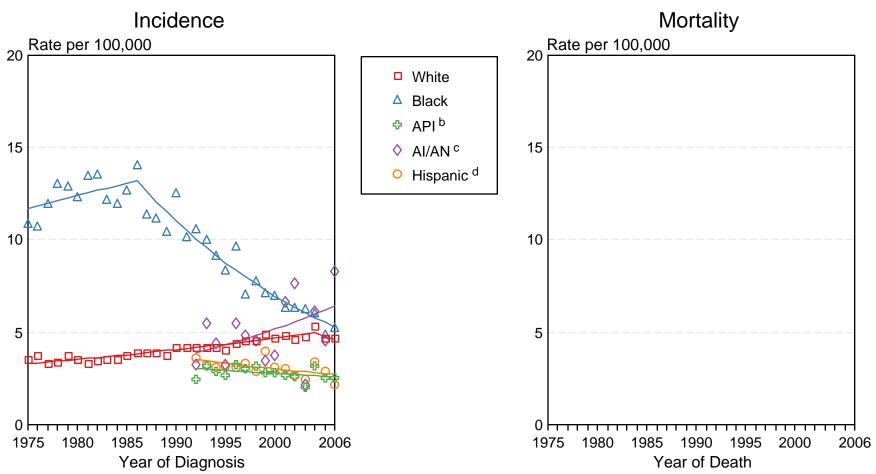
The APC is significantly different from zero (p<.05).

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## SEER Incidence and US Death Rates<sup>a</sup> Cancer of the Esophagus, Both Sexes Joinpoint Analyses for Whites and Blacks from 1975-2006 and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2006



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

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

Regression lines are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the

- 1975-2006 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2006 allow a maximum of 2 joinpoints.
- <sup>b</sup> API = Asian/Pacific Islander.
- c Al/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- d Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

### Table 9.12 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> Rate 2002-2006 Rate per 100,000 persons				ER 13 A: d 1997- AAPC (*	2006°	SEER 9 Areas <sup>b</sup> Trend 1997-2006 <sup>d</sup> AAPC (%)		
RACE/ETHNICITY	Total	Males	Females		Males	Females	Total	Males	Females
All Races	2.8	3.1	2.5	0.2	0.1	0.2	-0.2	-0.6*	0.4*
White	3.0	3.3	2.7	0.0	-0.1	0.2	-0.2	-0.6*	0.3*
White Hispanic <sup>e</sup>	2.4	2.9	2.0	0.1	-0.1	0.3	-	-	-
White Non-Hispanic <sup>e</sup>	3.3	3.6	3.0	0.3*	0.2	0.4	-	-	-
Black	2.6	2.9	2.3	0.9	1.2	0.6	1.1*	0.2	2.4*
Asian/Pacific Islander	1.3	1.5	1.1	3.3*	2.0	4.8*	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	0.9	1.1	-	-	-	-	-	-	-
Hispanic <sup>e</sup>	2.3	2.9	1.9	0.2	0.2	0.3	-	-	-
U.S. Mortality <sup>g</sup>	Data				1 1007	aaach			
		2002-2 100,00	006 0 persons		d 1997- AAPC (%				
	Total	Males	Females	Total	Males	Females			
RACE/ETHNICITY									
All Races	0.4	0.5	0.4	-2.3*	-2.1*	-2.6*			
White	0.5	0.6	0.4	-2.2*	-2.0*	-2.6*			
White Hispanic <sup>e</sup>	0.4	0.6	0.4	-3.5*	-3.9*				
White Non-Hispanic <sup>e</sup>	0.5	0.6	0.4	-2.3*	-1.6*	-2.2*			
Black	0.4	0.5	0.3	-1.3	-3.4*	-2.6*			
Asian/Pacific Islander	0.2	0.3	0.2	-	-	-			
Amer Ind/Alaska Nat									
Total U.S.	0.2	-	-	-	-	-			
CHSDA Counties Non-CHSDA Counties	0.3	-	-	-	_	-			
Hispanic <sup>e</sup>	0.4	0.5	0.3	-3.5*	-3.8*	-3.3*			
The AAPC is the Ave the Joinpoint Regre Statistic not shown Trend based on less Rates are age-adjus are based on rates The SEER 9 areas ar and Atlanta. The SEER 13 areas c Native Registry and The SEER 17 areas c Louisiana and New J The 1997-2006 AAPC diagnosis years 197 Hispanic and Non-Hi Islanders, and Amer are based on NHIA a Non-Hispanic death and North Dakota.	ssion Prog . Rate bas than 10 c ted to the age-adjust e San Fran omprise th Rural Gec omprise th ersey. estimates 5-2006. spanic are ican India nd exclude The 1997-2	ram Ver ed on 1 asses foc 2000 U ed to t acisco, e SEER are bas are bas are bas are bas are bas are bas uns/Alas cases ude dea	sion 3.3, A ess than 16 r at least S Std Popul he 2000 US Connecticut 9 areas plu 13 areas pl ed on a Joi tually excl ka Natives. from the Al ths from th panic and N	pril 2008 cases fc one year ation (19 Std Popul , Detroit s San Jos us Califo npoint an npoint an usive fro Inciden aska Nati e Distric	, Natic r the t within age gr ation ( , Hawai e-Monte ornia ex alysis alysis m white ce data ve Regi tt of Co ic mort	nal Cancer ime interva the time in oups - Cens 19 age grou i, Iowa, Ne rey, Los An cluding SF/ with up to with up to s, blacks, for Hispan stry. The lumbia, Min ality trend	Institute 1. terval. us P25-11 ps - Cens w Mexico, geles, th SJM/LA, K 2 Joinpoi 4 Joinpoi Asian/Pac ics and N 2002-2006 nesota, N s exclude	2. 30). T sus P25- Seattl ne Alask Centucky .nts ove .nts ove .ific Ion-Hispan Sew Hamp 2e deaths	rends 1130). e, Utah a r r r anics ic and shire from
Connecticut, the Di Dakota, Oklahoma an Incidence data for Delivery Area) coun	d Vermont. American I			-					
US Mortality Files, The 1997-2006 morta	National						s of deat	:h 1992-	2006.

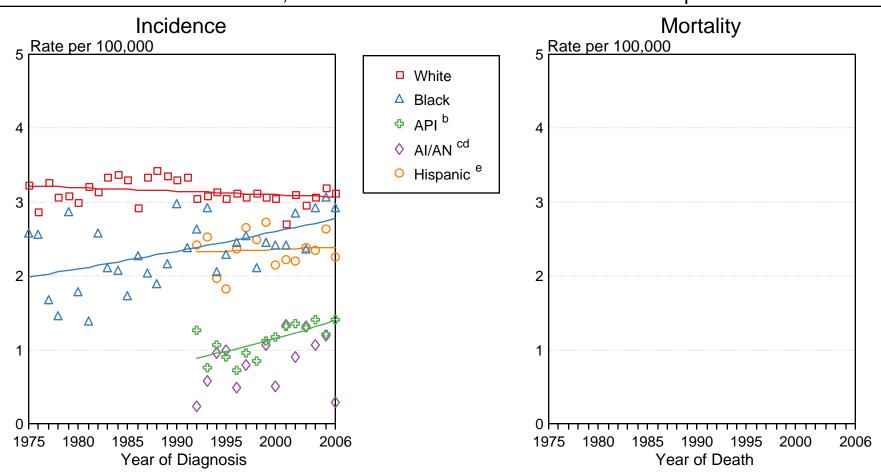
h The 1997-2006 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2006. The APC is significantly different from zero (p<.05).

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## SEER Incidence and US Death Rates<sup>a</sup> Hodgkin Lymphoma, Both Sexes Joinpoint Analyses for Whites and Blacks from 1975-2006 and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2006



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.

- Rates are age-adjusted to the 2000 US Std Population (19 age groups Census P25-1103). Regression lines are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2006 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2006 allow a maximum of 2 joinpoints.
- <sup>b</sup> API = Asian/Pacific Islander.
- c AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- Joinpoint could not fit a regression line for American Indian/Alaska Native Incidence due to insufficient data.
- <sup>e</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

### Table 10.11 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> Rate 2002-2006 Rate per 100,000 persons				ER 13 Ar nd 1997- AAPC (%	2006°	SEER 9 Areas <sup>b</sup> Trend 1997-2006 <sup>d</sup> AAPC (%)		
RACE/ETHNICITY		Males	Females		Males	Females		Males	Females
RACE/EIHNICIIY									
All Races	0.6	1.2	0.1	-7.9*	-7.8*	-6.7*	-7.7*	-7.8*	-6.1*
White	0.6	1.1	0.1	-8.1*	-8.1*	-	-8.4*	-8.6*	-5.5*
White Hispanic <sup>e</sup>	0.9	1.7	0.2	-7.9*	-6.9*	-	-	-	-
White Non-Hispanic <sup>e</sup>	0.5	0.9	0.1	-8.3*	-8.5*	-	-	-	-
Black	1.3	2.5	0.2	-7.4*	-7.3*	-	-6.6*	-6.4*	-
Asian/Pacific Islander	0.2	0.4	-	-	-	-	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	-	-	-	-	-	-	-	-	-
Hispanic <sup>e</sup>	0.9	1.8	0.2	-7.8*	-6.7*	-	-	-	-

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute. Statistic not shown. Rate based on less than 16 cases for the time interval. Trend based on less than 10 cases for at least one year within the time interval. Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). а 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. С The 1997-2006 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2006. d The 1997-2006 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2006. 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).

### Table 11.12 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	Rate	17 Are 2002-2 100,00			ER 13 An 1d 1997- AAPC (%	2006°	SEER 9 Areas <sup>b</sup> Trend 1997-2006 <sup>d</sup> AAPC (%)			
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females	Total	Males	Females	
All Races	13.6	18.6	9.5	2.0*	1.7*	2.2*	2.0*	1.7*	2.3*	
White White Hispanic <sup>e</sup>	14.1 13.6	19.2 18.2	9.9 9.9	2.1* 2.4*	1.8* 2.1*	2.3* 2.6*	2.0*	1.6*	2.3*	
White Non-Hispanic <sup>e</sup>	14.2	19.4	9.9	2.0*	1.7*	3.1*	-	-	-	
Black	15.0	21.3	10.3	1.7*	1.7*	1.8*	2.6*	2.6*	2.7*	
Asian/Pacific Islander	6.9	9.6	4.8	2.1*	1.4*	3.3*	-	-	-	
Amer Ind/Alaska Nat <sup>f</sup>	17.5	21.7	14.1	0.7	-0.3	-	-	-	-	
Hispanic <sup>e</sup>	13.2	17.6	9.6	2.5*	2.3*	1.7*	-	-	-	
<u>U.S. Mortality<sup>g</sup></u>										
		2002-2	006 0 persons		nd 1997- AAPC (%					
	Total		Females	Total		, Females				
RACE/ETHNICITY										
All Races	4.1	6.0	2.7	-0.4*	-0.7*	-0.5*				
White	4.2	6.1	2.8	-0.3*	-0.3*	-0.5*				
White Hispanic <sup>e</sup> White Non-Hispanic <sup>e</sup>	3.8 4.2	5.4 6.1	2.5 2.8	0.1 -0.2	0.0 -0.2	0.1 -0.4*				
-										
Black	4.0	6.0	2.7	-0.8*	-0.3	-0.6				
Asian/Pacific Islander	1.7	2.4	1.2	-0.7	-1.1	0.0				
Amer Ind/Alaska Nat										
Total U.S. CHSDA Counties	4.6 6.3	6.6 9.0	2.9 4.2	-0.9 -0.4	-0.4 -0.4	-2.5 -1.4				
Non-CHSDA Counties	2.4	3.7	1.3	-	-	-				
Hispanic <sup>e</sup>	3.6	5.2	2.4	0.1	-0.1	0.1				
The AAPC is the Aver the Joinpoint Regres Statistic not shown. Trend based on less Rates are age-adjust are based on rates a The SEER 9 areas are and Atlanta. The SEER 13 areas co Native Registry and The SEER 17 areas co Louisiana and New Je the 1997-2006 AAPC e diagnosis years 1992 The 1997-2006 AAPC e diagnosis years 1975 Hispanic and Non-His Islanders, and Ameri are based on NHIA ar Non-Hispanic death r and North Dakota. T Connecticut, the Dis Dakota, Oklahoma and Incidence data for A Delivery Area) count US Mortality Files,	sion Prog Rate bas than 10 c ed to the ge-adjust San Fran mprise th Rural Geo omprise th rsey. stimates -2006. stimates -2006. spanic are can India d exclude ates excl the 1997-2 strict of Vermont.	ram Ver ed on 1 ases foo 2000 U ed to t cisco, e SEER are bas are bas are bas not mu ns/Alas cases ude dea 006 His Columbi	sion 3.3, A ess than 16 r at least S Std Popul he 2000 US Connecticut 9 areas plu 13 areas pl ed on a Joi ed on a Joi tually excl ka Natives. from the Al ths from th panic and N a, Maine, M	pril 2008 cases fc one year ation (19 Std Popul , Detroit s San Jos us Califo npoint an usive fro Inciden aska Nati e Distric fon-Hispan	, Natio r the t within age gr ation ( , Hawai e-Monte ornia ex alysis m white ice data ve Regi t of Co ic mort Minneso	nal Cancer ime interva the time in oups - Cens 19 age grou i, Iowa, Ne rey, Los An cluding SF/ with up to with up to s, blacks, for Hispan stry. The lumbia, Min ality trend ta, New Ham	Institute 1. terval. us P25-11 ps - Cens w Mexico, geles, th 2 Joinpoi 4 Joinpoi Asian/Pac ics and M 2002-2006 nesota, M s exclude pshire, M	2. 30). T sus P25- Seattl ne Alask Centucky .nts ove .nts ove .ific Ion-Hispan Jon Hispan Jew Hamp 2 deaths Jew York	rends 1130). e, Utah a , r r anics ic and shire from , North	

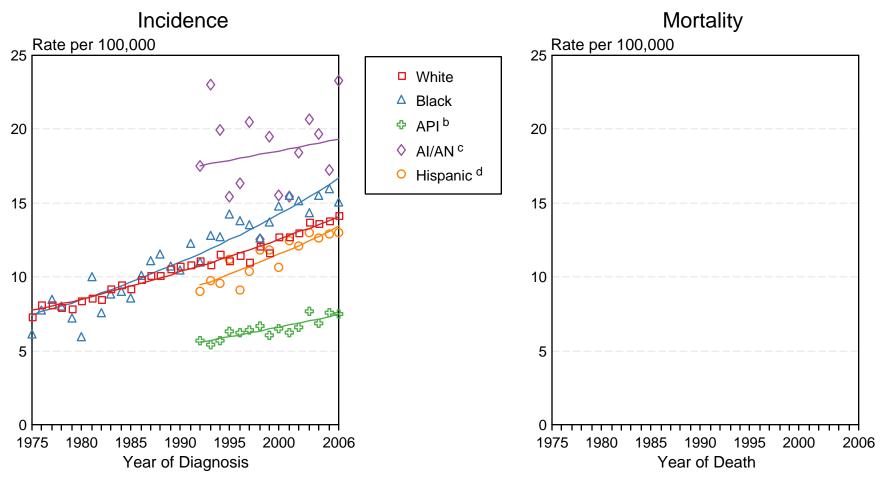
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# SEER Incidence and US Death Rates<sup>a</sup> Cancer of the Kidney and Renal Pelvis, Both Sexes Joinpoint Analyses for Whites and Blacks from 1975-2006

and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2006



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

- National Cancer Institute
- b API = Asian/Pacific Islander.
   c AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

1975-2006 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2006 allow a maximum of 2 joinpoints.

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

Regression lines are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the

### Table 12.12 Cancer of the Larynx (Invasive)

### SEER Incidence and U.S. Mortality Age-Adjusted Rates and $\ensuremath{\mathsf{Trends}}^a$ By Race/Ethnicity and Sex

SEER Incidence	SEER 17 Areas <sup>b</sup> Rate 2002-2006 Rate per 100,000 persons				ER 13 Ar nd 1997-2 AAPC (%	2006°	SEER 9 Areas <sup>b</sup> Trend 1997-2006 <sup>d</sup> AAPC (%)			
	Total	Males	Females	Total	Males	Females	Total	Males	Females	
RACE/ETHNICITY										
All Races	3.5	6.2	1.3	-3.0*	-3.1*	-3.1*	-2.6*	-2.8*	-2.6*	
White	3.5	6.2	1.3	-2.8*	-3.0*	-2.6*	-2.6*	-2.9*	-2.3*	
White Hispanic <sup>e</sup>	2.5	5.0	0.6	-2.4*	-2.4*	-	-	-	-	
White Non-Hispanic <sup>e</sup>	3.7	6.4	1.4	-2.8*	-3.0*	-2.4*	-	-	-	
Black	5.6	10.5	2.0	-3.4*	-3.2*	-4.1*	-2.9*	-2.7*	-3.2*	
Asian/Pacific Islander	1.3	2.7	0.3	-3.4*	-3.1*	-	-	-	-	
Amer Ind/Alaska Nat <sup>f</sup>	1.5	2.4	-	-	-	-	-	-	-	
Hispanic <sup>e</sup>	2.5	4.9	0.6	-2.4*	-2.4*	-	-	-	-	
<u>U.S. Mortality<sup>g</sup></u>	Rate Rate per	2002-20 100,000			nd 1997-2 AAPC (%)					
	Total	Males	Females	Total	Males	Females				
RACE/ETHNICITY										
All Races	1.3	2.3	0.5	-2.1*	-2.4*	-1.8*				
White	1.2	2.1	0.5	-1.5*	-2.2*	-1.4*				
White Hispanic <sup>e</sup>	0.9	1.9	0.2	-2.7*	-3.0*	-				
White Non-Hispanic <sup>e</sup>	1.2	2.1	0.5	-1.5*	-1.9*	-1.0*				
Black	2.3	4.7	0.7	-3.0*	-2.9*	-3.1*				
Asian/Pacific Islander	0.4	0.7	0.1	-3.1*	-2.1	-				
Amer Ind/Alaska Nat										
Total U.S.	0.8	1.5	0.4	-	-	-				
CHSDA Counties	1.0	1.9	-	-	-	-				
Non-CHSDA Counties	0.7	0.9	-	-	-	-				
Hispanic <sup>e</sup>	0.9	1.9	0.2	-2.7*	-2.9*	-				
The AAPC is the Aver the Joinpoint Regres Statistic not shown. Trend based on less Rates are age-adjust are based on rates a The SEER 9 areas are and Atlanta. The SEER 13 areas co Native Registry and The SEER 17 areas co Louisiana and New Je The 1997-2006 AAPC e diagnosis years 1992 The 1997-2006 AAPC e diagnosis years 1975 Hispanic and Non-His Islanders, and Ameri are based on NHIA an Non-Hispanic death r and North Dakota. T	sion Prog Rate bas than 10 c ed to the ge-adjust San Fran mprise th Rural Geo mprise th rsey. stimates -2006. stimates -2006. panic are can India d exclude ates excl	ram Vers ed on le ases for 2000 US ed to th cisco, C e SEER 9 rgia. e SEER 1 are base are base are base not mut ns/Alask cases fude deat	<pre>ion 3.3, A ss than 16 at least Std Popul e 2000 US onnecticut areas plu 3 areas pl d on a Joi d on a Joi ually excl a Natives. rom the Al</pre>	pril 2008 cases fc one year ation (19 Std Popul , Detroit s San Jos us Califo npoint ar npoint ar usive froc Incider aska Nati	<pre>3, Nation or the t: within t age grc ation (1 c, Hawai: ge-Monter prnia exc nalysis v </pre>	hal Cancer ime interva the time in hups - Cens l9 age grou l, Iowa, Ne cey, Los An cluding SF/ with up to with up to s, blacks, for Hispan stry. The	Institute 1. terval. us P25-11 ps - Cens w Mexico, geles, th SJM/LA, K 2 Joinpoi 4 Joinpoi Asian/Pac ics and N 2002-2006	30). Tr bus P25-1 Seattle Le Alaska Centucky, nts over nts over tific Ion-Hispan	rends 130). a, Utah a mics Lc and	

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. g

h

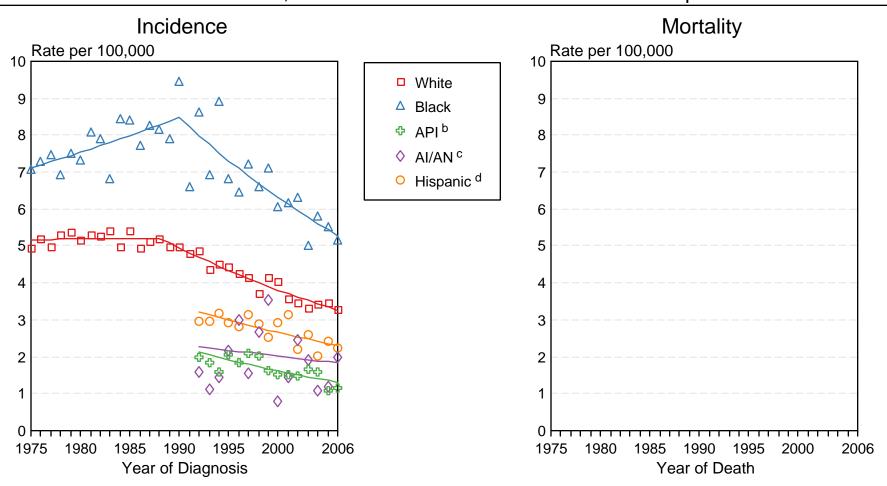
US Mortality Files, National Center for Health Statistics, CDC. The 1997-2006 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2006. \* The APC is significantly different from zero (p<.05).

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С d e

f

## SEER Incidence and US Death Rates<sup>a</sup> Cancer of the Larynx, Both Sexes Joinpoint Analyses for Whites and Blacks from 1975-2006 and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2006



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).

- National Cancer Institute

Cancer Statistics Review 1975-2006

- Regression lines are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2006 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2006 allow a maximum of 2 joinpoints.
  - <sup>b</sup> API = Asian/Pacific Islander.
  - c Al/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
  - d Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

### Table 13.20 Leukemia

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

$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Rat	SEER Incidence	SEER 17 Area Rate 2002-20 per 100,000	006		ER 13 A1 1d 1997- AAPC (%	2006°		SEER 9 Areas <sup>b</sup> Trend 1997-2006 <sup>d</sup> AAPC (%)		
All Races       12.2       15.8       9.5 $-1.2$ $-1.7^*$ $-0.3$ $-1.6^*$ White       12.8       16.5       9.9 $-1.6^*$ $-0.2$ $-0.4$ $-0.9^*$ $-1.4^*$ White Non-Hispanic*       13.0       16.9       9.9 $-1.0^*$ $-0.6^*$ $-0.1$ $-$ Black       9.8       12.7       7.8 $-0.5^*$ $-0.6$ $-0.4^*$ $-0.5^*$ Asian/Pacific Islander       7.3       8.9 $6.1$ $-0.9^*$ $-0.8^*$ $-0.9^*$ $-$ Amer Ind/Alaska Nat*       7.0       7.9 $6.1$ $3.1^*$ $  -$ U.S. Mortality?       Rate 2002-2006       Trend 1997-2006 <sup>h</sup> APC (%) $ -$ Note       7.5       10.1       5.7 $-0.6^*$ $-0.7^*$ $-1.0^*$ White       7.5       10.1       5.7 $-0.6^*$ $-0.7^*$ $-1.0^*$ White Non-Hispanic*       7.6       10.3       5.7 $-0.6^*$ $-0.7^*$ $-1.0^*$ White Non-Hispanic*       7.6       10.3       5.7 $-1.6^*$	Total		al Males	Females	Total	Males	Females	Total	Males	Females	
White Hispanic*       9.9       12.1       8.2       -0.2       -0.4       -       -         White Non-Hispanic*       13.0       16.9       9.9       -1.0*       -1.6*       -0.1       -       -         Black       9.8       12.7       7.8       -0.5       -0.6       -0.4       -0.4*       -0.5*         Amer Ind/Alaska Nat*       7.0       7.9       6.1       3.1*       -       -       -         Amer Ind/Alaska Nat*       7.0       7.9       6.1       3.1*       -       -       -         Hispanic*       9.7       11.8       8.1       -0.1       -0.1       -0.2       -       -         U.S. Mortality?       Rate 2002-2006       Trend 1997-2006*       AAPC (%)       -       -       -         Nate       Total Males Females       Total Males Females       Total Males Females       -       -       -       -         All Races       7.3       9.8       5.5       -0.9*       -0.8*       -1.2*       -       -       -         White       Mite Non-Hispanic*       7.5       10.1       5.7       -0.6*       -0.7*       -       -       -         RACE/ETHNICITY	12.2		.2 15.8	9.5	-1.2	-1.7*	-0.3	-1.0*	-1.6*	0.0	
White Hispanic*       9.9       12.1       8.2       -0.2       -0.4       -       -         White Non-Hispanic*       13.0       16.9       9.9       -1.0*       -1.6*       -0.1       -       -         Black       9.8       12.7       7.8       -0.5       -0.6       -0.4       -0.4*       -0.5*         Amer Ind/Alaska Nat*       7.0       7.9       6.1       3.1*       -       -       -         Amer Ind/Alaska Nat*       7.0       7.9       6.1       3.1*       -       -       -         Hispanic*       9.7       11.8       8.1       -0.1       -0.1       -0.2       -       -         U.S. Mortality"       Rate 2002-2006       Trend 1997-2006*       AMEC (%)       -       -       -         RACE/ETHNICITY       Total Males Females       Total Males Females       -       <	12 8	White	8 16 5	99	-1 0*	-1 5*	-0.2	-0 9*	-1 4*	0.1*	
Black       9.8       12.7       7.8       -0.5       -0.6       -0.4       -0.4*       -0.5*         Asian/Pacific Islander       7.3       8.9       6.1       -0.9*       -0.8       -0.9*       -       -         Amer Ind/Alaska Nat <sup>f</sup> 7.0       7.9       6.1       3.1*       -       -       -       -         Hispanic <sup>a</sup> 9.7       11.8       8.1       -0.1       -0.1       -0.2       -       -         U.S. Mortality <sup>a</sup> Rate 2002-2006       Trend 1997-2006 <sup>b</sup> ARAFC (8)         RACE/FTHNICITY       Total Males Females       Total Males Females       -       -       -         All Races       7.3       9.8       5.5       -0.9*       -0.8*       -1.2*         White       7.5       10.1       5.7       -0.6*       -0.7*       -1.0*         White Non-Hispanic <sup>a</sup> 7.6       10.3       5.7       -0.6*       -0.7*       -1.0*         Main/Pacific Islander       3.8       5.0       2.9       -1.5*       -1.1*       -1.8*         Amer Ind/Alaska Nt       3.7       4.5       3.1       -1.6       -2.6       -1.5         CMSDA Counties       4.7       <	9.9	White Hispanic <sup>e</sup>	.9 12.1	8.2	-0.2	-0.2	-0.4	-	-	-	
Asian/Pacific Islander       7.3       8.9       6.1 $-0.9^*$ $-0.8$ $-0.9^*$ $ -$ Amer Ind/Alaska Nat <sup>4</sup> 7.0       7.9       6.1 $3.1^*$ $  -$ Hispanic*       9.7       11.8       8.1 $-0.1$ $-0.2$ $ -$ U.S. Mortality <sup>3</sup> Rate 2002-2006 Rate per 100,000 persons       Trend 1997-2006 <sup>h</sup> AAPC (%)         Total       Males Females       Total       Males Females       Remains         RACE/FTHNICITY       Total       Males Females       Total       Males Females         Mhite       7.5       10.1       5.7 $-0.6^*$ $-1.2^*$ White Non-Hispanic <sup>6</sup> 5.1 $6.4$ $4.1$ $-1.5^*$ $-6.6^*$ $-1.0^*$ White Non-Hispanic <sup>6</sup> 5.1 $6.1$ $5.7$ $-0.6^*$ $-0.7^*$ $-1.0^*$ Black $6.4$ $8.5$ $5.1$ $-1.2^*$ $-2.0^*$ Asian/Pacific Islander $3.8$ $5.0$ $2.9$ $-1.5^*$ $-1.1^*$ $-1.8^*$ Maner Ind/Alaska Nat       Total U.S. $3.7$ $4.5$ $3$	13.0	White Non-Hispanic <sup>e</sup>	.0 16.9	9.9	-1.0*	-1.6*	-0.1	-	-	-	
Amer Ind/Alaska Nat <sup>f</sup> 7.0       7.9       6.1       3.1*       -       -       -       -         Hispanic <sup>a</sup> 9.7       11.8       8.1       -0.1       -0.1       -0.2       -       -         U.S. Mortality <sup>a</sup> Rate 2002-2006 Rate per 100,000 persons       Trend 1997-2006 <sup>b</sup> AAPC (%)         Total Males Females       Total Males Females         RACE/ETHNICITY         All Races       7.3       9.8       5.5       -0.9*       -0.8*       -1.2*         White       7.5       10.1       5.7       -0.6*       -0.7*       -1.0*         White Non-Hispanic <sup>a</sup> 7.6       10.3       5.1       -1.2*       -0.6       -1.0*         Maie Neating       7.6       10.3       1.7       -0.6*       -0.7*       -1.0*         Mhite Non-Hispanic <sup>a</sup> 7.6       10.3       1.1       -1.2*       -1.2*       -2.0*         Asian/Pacific Islander       3.8       5.0       2.9       -1.5*       -1.1*       -1.8*         Amer Ind/Alaska Nat       Total U.S.       3.7       4.5       3.1       -1.6       -2.6       -1.5         CMSDA Counties       2.6       2.7       2.	9.8	Black	.8 12.7	7.8	-0.5	-0.6	-0.4	-0.4*	-0.5*	-0.4	
Hispanic*       9.7       11.8       8.1       -0.1       -0.1       -0.2       -       -         U.S. Mortality <sup>3</sup> Rate 2002-2006 Rate per 100,000 persons       Trend 1997-2006 <sup>b</sup> AAPC (%)         Tend 1997-2006 <sup>b</sup> AAPC (%)         Tend 1997-2006 <sup>b</sup> AAPC (%)         All Races       7.3       9.8       5.5       -0.9*       -0.8*       -1.2*         White Hispanic <sup>6</sup> 5.1       6.4       4.1       -1.5*       -0.6       -1.0*         White Mon-Hispanic <sup>6</sup> 7.6       10.3       5.7       -0.6*       -0.7*       -1.0*         Mhite Hispanic <sup>6</sup> 7.6       10.3       5.7       -0.6*       -0.7*       -1.0*         Mhite Mon-Hispanic <sup>6</sup> 7.6       10.3       5.7       -0.6*       -0.7*       -1.0*         Males       For all Asian/Pacific Islander       3.8       5.0       2.9       -1.5*       -1.1*       -1.8*         Amer Ind/Alaska Nat         Total U.S.       3.7       4.5       3.1       -1.6       -2.6       -1.5*         Non-CHSDA Counties       2.6       2.7       2.4       -3.0       -       -	7.3	Asian/Pacific Islander	.3 8.9	6.1	-0.9*	-0.8	-0.9*	-	-	-	
U.S. Mortality <sup>3</sup> Rate 2002-2006 Rate per 100,000 persons Trend 1997-2006 <sup>h</sup> AAPC (8) Total Males Females Total Males Females RACE/ETHNICITY All Races 7.3 9.8 5.5 $-0.9^* -0.8^* -1.2^*$ White 7.5 10.1 5.7 $-0.6^* -0.7^* -1.0^*$ White Hispanic <sup>6</sup> 5.1 6.4 4.1 $-1.5^* -0.6^* -0.7^* -0.7^*$ Black 6.4 8.5 5.1 $-1.2^* -1.2^*$ Alamer Ind/Alaska Nat Total U.S. 3.7 $4.5$ 3.1 $-1.6$ $-2.6$ $-1.5$ CHSDA Counties 4.7 5.9 3.6 $-0.7^* -1.0^*$ Mine Hispanic <sup>6</sup> 7.6 10.3 5.7 $-0.6^* -0.7^* -0.7^*$ Black 6.4 8.5 5.1 $-1.2^* -1.2^* -2.0^*$ Asian/Pacific Islander 3.8 5.0 2.9 $-1.5^* -1.1^* -1.8^*$ Amer Ind/Alaska Nat Total U.S. 3.7 $4.5$ 3.1 $-1.6 -2.6 -1.5$ CHSDA Counties 4.7 5.9 3.6 $-0.6 -0.7^*$ Hispanic <sup>6</sup> 4.9 6.1 4.0 $-1.5^* -0.6 -1.0^*$ The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculat the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute. Statistic not shown. Rate based on less than 16 cases for the time interval. Trend based on less than 10 cases for at least one year within the time interval. The based on less than 10 cases for at least one year within the time interval. The SEER 9 areas are San Francisco. Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle 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, Louisian and New Jeresy. The 1997-2006 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2006. The 1997-2006 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2006. Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Native. Locidence data for Hispanics and Non-Hispanics are Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Island	7.0	Amer Ind/Alaska Nat <sup>f</sup>	.0 7.9	6.1	3.1*	-	-	-	_	-	
Rate 2002-2006 Rate per 100,000 personsTrend 1997-2006h AAPC (\$)AAPC (\$)Total Males FemalesTotal Males FemalesTotal Males FemalesTotal Males FemalesRACE/FTHNICITYAll Races7.39.85.5 $-0.9^*$ $-0.8^*$ $-1.2^*$ White7.5 $10.1$ $5.7$ $-0.6^*$ $-1.2^*$ White $7.5$ $10.1$ $5.7$ $-0.6^*$ $-1.2^*$ Black $6.4$ $4.1$ $-1.2^*$ $-1.2^*$ $-2.0^*$ Asian/Pacific Islander $3.8$ $5.0$ $-1.2^*$ $-1.2^*$ $-1.2^*$ Asian/Pacific Islander $3.7$ $4.5$ $-1.1^*$ $-1.2^*$ Asian/Pacific Islander $3.7$ $4.5$ $-1.2^*$ $-1.2^*$ Asian/Pacific Islander $3.7$ $4.5$ $3.1$ $-1.2^*$ $-1.2^*$ $-1.2^*$ $-1.2^*$ Asian/Pacific Islander $3.7$ $-1.6^*$ $-1.5^*$ $-1.5^*$ <	9.7	Hispanic <sup>e</sup>	.7 11.8	8.1	-0.1	-0.1	-0.2	_	-	_	
Rate 2002-2006 Rate per 100,000 personsTrend 1997-2006h AAPC (\$)AAPC (\$)Total Males FemalesTotal Males FemalesTotal Males FemalesTotal Males FemalesRACE/FTHNICITYAll Races7.39.85.5 $-0.9^*$ $-0.8^*$ $-1.2^*$ White7.5 $10.1$ $5.7$ $-0.6^*$ $-1.2^*$ White $7.5$ $10.1$ $5.7$ $-0.6^*$ $-1.2^*$ Black $6.4$ $4.1$ $-1.2^*$ $-1.2^*$ $-2.0^*$ Asian/Pacific Islander $3.8$ $5.0$ $-1.2^*$ $-1.2^*$ $-1.2^*$ Asian/Pacific Islander $3.7$ $4.5$ $-1.1^*$ $-1.2^*$ Asian/Pacific Islander $3.7$ $4.5$ $-1.2^*$ $-1.2^*$ Asian/Pacific Islander $3.7$ $4.5$ $3.1$ $-1.2^*$ $-1.2^*$ $-1.2^*$ $-1.2^*$ Asian/Pacific Islander $3.7$ $-1.6^*$ $-1.5^*$ $-1.5^*$ <		-									
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		<u>U.S. Mortality<sup>g</sup></u>									
RACE/ETHNICITY         All Races       7.3       9.8       5.5 $-0.9^{+}$ $-0.8^{+}$ $-1.2^{+}$ White       7.5       10.1       5.7 $-0.6^{+}$ $-0.7^{+}$ $-1.0^{+}$ White Hispanic <sup>®</sup> 5.1       6.4       4.1 $-1.5^{+}$ $-0.6^{+}$ $-1.0^{+}$ White Non-Hispanic <sup>®</sup> 7.6       10.3       5.7 $-0.6^{+}$ $-0.7^{+}$ Black       6.4       8.5       5.1 $-1.2^{+}$ $-2.0^{+}$ Asian/Pacific Islander       3.8       5.0 $2.9$ $-1.5^{+}$ $-1.1^{+}$ $-1.8^{+}$ Amer Ind/Alaska Nat       Total U.S. $3.7$ $4.5$ $3.1$ $-1.6$ $-2.6$ $-1.5$ CHSDA Counties $4.7$ $5.9$ $3.6$ $-0.6$ $-1.0^{+}$ Hispanic <sup>e</sup> $4.9$ $6.1$ $4.0$ $-1.5^{+}$ $-0.6$ $-1.0^{+}$ Hispanic <sup>e</sup> $4.9$ $6.1$ $4.0$ $-1.5^{+}$ $-0.6$ $-1.0^{+}$ The AAPC is the Average Annual Percent Change over the time interval.       The abased on less than 10 cases for at least one year within the time interval. <td>_</td> <td></td> <td>-</td> <td>_</td> <td></td> <td></td> <td>,</td> <td></td> <td></td> <td></td>	_		-	_			,				
White 7.5 10.1 5.7 $-0.6* -0.7* -1.0*$ White Hispanic <sup>6</sup> 5.1 6.4 4.1 $-1.5* -0.6 -1.0*$ White Non-Hispanic <sup>6</sup> 7.6 10.3 5.7 $-0.6* -0.7* -0.7*$ Black 6.4 8.5 5.1 $-1.2* -1.2* -2.0*$ Asian/Pacific Islander 3.8 5.0 2.9 $-1.5* -1.1* -1.8*$ Amer Ind/Alaska Nat Total U.S. 3.7 4.5 3.1 $-1.6 -2.6 -1.5$ CHSDA Counties 4.7 5.9 3.6 $-0.6 -0.7$ Hispanic <sup>6</sup> 4.9 6.1 4.0 $-1.5* -0.6 -1.0*$ The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculat the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute. Statistic not shown. Rate based on less than 16 cases for the time interval. The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculat the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute. Statistic not shown. Rate based on less than 16 cases for the time interval. Trend based on less than 10 cases for at least one year within the time interval. Trend based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Tre are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Tre the SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle and Atlanta. The SEER 13 areas comprise the SEER 13 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 1997-2006 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1925-206. The jopoint analysis with up to 4 Joinpoints over diagnosis years 1975-206. Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Hispanic death nates exclude deaths from the District of Columbia, Minnesota, New Hampsi		RACE/ETHNICITY									
White Hispanic*5.16.44.1-1.5*-0.6-1.0*White Non-Hispanic*7.610.35.7-0.6*-0.7*-0.7*Black6.48.55.1-1.2*-2.0*Asian/Pacific Islander3.85.02.9-1.5*-1.1*-1.8*Amer Ind/Alaska NatTotal U.S.3.74.53.1-1.6-2.6-1.5CHSDA Counties4.75.93.6-0.6-0.7-Non-CHSDA Counties2.62.72.4-3.0Hispanic*4.96.14.0-1.5*-0.6-1.0*The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculat the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute. Statistic not shown. Rate based on less than 16 cases for the time interval. Trend based on less than 10 cases for at least one year within the time interval. The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle 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 1997-2006 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1975-2006. The 1997-2006. The 1997-2006. The 1997-2006. The 1997-2006. The 1997-2006. The 1997-2006. The 1997-2006. Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data	7.3	All Races	.3 9.8	5.5	-0.9*	-0.8*	-1.2*				
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h The 1997-2006 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2006. The APC is significantly different from zero (p<.05).

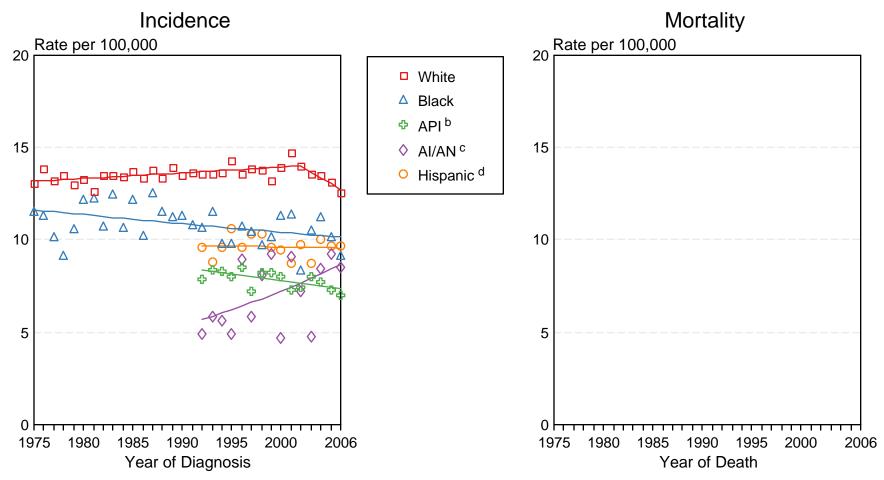
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## SEER Incidence and US Death Rates<sup>a</sup> Leukemia, Both Sexes Joinpoint Analyses for Whites and Blacks from 1975-2006

and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2006



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

- Regression lines are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2006 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2006 allow a maximum of 2 joinpoints.
- <sup>b</sup> API = Asian/Pacific Islander.
- c Al/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- <sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

### Table 14.12 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> Rate 2002-2006 Rate per 100,000 persons Total Males Females				ER 13 Ai nd 1997- AAPC (9	2006°	SEER 9 Areas <sup>b</sup> Trend 1997-2006 <sup>d</sup> AAPC (%)		
RACE/ETHNICITY	Total	Males	Females		Males	Females	Total	Males	Females
All Races	6.6	10.2	3.6	2.3*	2.4*	1.4*	2.5*	2.6*	1.6*
White White Hispanic <sup>e</sup> White Non-Hispanic <sup>e</sup>	5.6 10.5 4.9	8.6 15.7 7.5	3.0 6.0 2.6	2.7 2.5* 2.3	3.2* 2.2* 2.8*	0.9 2.4* 0.3	2.3* - -	2.6* - -	0.9 - -
Black	8.2	13.4	4.2	3.7*	4.0*	2.8*	3.1*	3.3*	2.6*
Asian/Pacific Islander	14.2	21.4	8.3	0.6	0.6	0.7	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	9.9	13.6	6.6	1.7	-	-	-	-	-
Hispanic <sup>e</sup>	10.2	15.2	5.9	2.7*	2.4*	2.6*	-	-	-
<u>U.S. Mortality<sup>g</sup></u>		2002-2 100,00	006 0 persons		nd 1997- AAPC (%				
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females			
All Races	5.1	7.5	3.2	1.9*	2.1*	1.3*			
White White Hispanic <sup>e</sup> White Non-Hispanic <sup>e</sup>	4.7 8.3 4.4	6.8 11.7 6.4	2.9 5.4 2.8	2.0* 1.8* 1.8*	2.2* 1.5* 2.1*	1.2* 1.6* 0.9			
Black	6.8	10.8	3.9	1.7*	2.1*	0.7*			
Asian/Pacific Islander	10.3	15.0	6.6	-0.7*	-1.0*	-0.2			
Amer Ind/Alaska Nat Total U.S. CHSDA Counties Non-CHSDA Counties	6.2 8.3 3.6	7.9 10.3 5.1	4.6 6.5 2.2	1.9* 1.9* -	1.0 1.0 -	2.3 2.5 -			
Hispanic <sup>e</sup>	7.9	11.3	5.1	1.7*	1.5*	1.6*			
The AAPC is the Aven the Joinpoint Regres Statistic not shown. Trend based on less Rates are age-adjust are based on rates a The SEER 9 areas are and Atlanta. The SEER 13 areas co Native Registry and The SEER 17 areas co Louisiana and New Je The 1997-2006 AAPC e diagnosis years 1992 The 1997-2006 AAPC e diagnosis years 1975 Hispanic and Non-His Islanders, and Ameri are based on NHIA ar Non-Hispanic death 1 and North Dakota. Connecticut, the Dis Dakota, Oklahoma and Incidence data for 2 Delivery Area) count US Mortality Files, The 1997-2006 mortal The APC is significe	ssion Prog Rate bas than 10 c ted to the age-adjust San Fran omprise th Rural Geo omprise th ersey. estimates 2-2006. estimates 5-2006. spanic are tcan India ad exclude rates excl the 1997-2 strict of d Vermont. American I ties. National Lity AAPCs	ram Ver ed on 1 ases fo 2000 U ed to t cisco, e SEER are bas are bas are bas are bas cases ude dea 006 His Columbi ndian/A Center are ba	sion 3.3, A ess than 16 r at least S Std Popul he 2000 US Connecticut 9 areas plu 13 areas pl ed on a Joi ed on a Joi tually excl ka Natives. from the Al ths from th panic and N a, Maine, M laska Nativ for Health sed on a Jo	pril 2008 cases fc one year ation (19 Std Popul , Detroit s San Jos us Califo npoint ar npoint ar usive fro Incider aska Nati e Distric on-Hispar aryland, e are bas Statistic inpoint a	3, Natio or the t within ) age gr lation ( c, Hawai se-Monte ornia ex halysis halysis om white here data to f Co hic mort Minneso sed on t cs, CDC.	nal Cancer ime interva the time in oups - Cens 19 age grou i, Iowa, Ne rey, Los An cluding SF/ with up to with up to s, blacks, for Hispan stry. The lumbia, Min ality trend ta, New Ham he CHSDA(Co	Institute 1. terval. us P25-11 ps - Cens w Mexico, geles, th SJM/LA, F 2 Joinpoi 4 Joinpoi 4 Joinpoi Asian/Pac ics and P 2002-2006 nesota, N s exclude pshire, N ntract He	2. Sus P25- Seattl ne Alask Centucky ints ove Sints ove cific Non-Hispan Se Hamp e deaths New Hamp e deaths New York ealth Se	rends 1130). e, Utah a r r r anics ic and shire from , North rvice

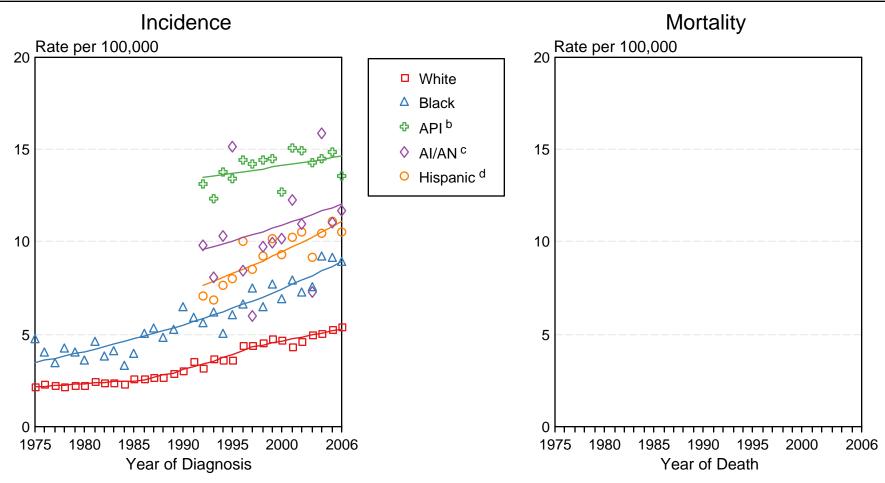
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С d e

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## 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 1975-2006

and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2006



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).

National Cancer Institute

Figure 14.2

- Regression lines are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the
- 1975-2006 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2006 allow a maximum of 2 joinpoints.
- <sup>b</sup> API = Asian/Pacific Islander.
- c Al/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- d Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

### Table 15.18 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>5</sup> Rate 2002-2006 Rate per 100,000 persons				ER 13 An 1d 1997- AAPC (8	2006°	SEER 9 Areas <sup>b</sup> Trend 1997-2006 <sup>d</sup> AAPC (%)			
	Total	Males	Females	Total	Males	Females	Total	Males	Females	
RACE/ETHNICITY										
All Races	63.1	77.7	52.5	-1.2*	-2.4*	-0.5*	-0.8*	-1.9*	0.0	
White	64.4	77.6	54.8	-1.4*	-2.1*	-0.6*	-1.0*	-2.2*	-0.1	
White Hispanic <sup>e</sup> White Non-Hispanic <sup>e</sup>	33.1 68.8	43.9 82.2	25.3 59.0	-2.0* -1.1*	-2.5* -1.9*		-	-	-	
white Non-Alspanic	00.0	02.2	59.0	-1.1	-1.9	-0.4	_	_	-	
Black	74.7	104.3	54.7	-1.4*	-2.7*	0.5*	-1.1*	-3.3*	0.4	
Asian/Pacific Islander	38.9	53.4	28.1	-0.7*	-1.2*	0.4	-	-	-	
Amer Ind/Alaska Nat <sup>f</sup>	44.9	51.6	39.8	-0.3	-2.2*	2.2*	-	-	-	
Hispanic <sup>e</sup>	32.5	43.2	24.7	-1.8*	-2.3*	-1.3*	-	-	-	
<u>U.S. Mortality<sup>g</sup></u>										
		2002-2			d 1997-					
	_		0 persons		AAPC (%	,				
RACE/ETHNICITY	<u>    Total   </u>	Males	Females	<u>    Total   </u>	Males	Females				
All Races	53.4	70.5	40.9	-0.9*	-1.9*	0.0				
White	53.8	69.9	41.9	-0.8*	-1.8*	0.0				
White Hispanic <sup>e</sup>	23.4	34.9	14.9	-2.1*	-2.9*	-0.3				
White Non-Hispanic <sup>e</sup>	56.4	72.9	44.2	-0.6*	-1.6*	0.3				
Black	59.9	90.1	40.0	-1.8*	-2.8*	0.3*				
Asian/Pacific Islander	26.2	36.9	18.2	-1.3*	-1.6*	-0.5				
Amer Ind/Alaska Nat										
Total U.S.	33.9	41.2	28.3	-0.9*	-2.6*	1.0*				
CHSDA Counties	39.7	48.0	33.5	-0.2	-1.7*	1.6*				
Non-CHSDA Counties	26.5	32.9	21.6	-1.7*	-3.5*	0.4				
Hispanic <sup>e</sup>	22.7	33.9	14.4	-2.1*	-3.1*	-0.3				
The AAPC is the Aven the Joinpoint Regres Statistic not shown. Trend based on less Rates are age-adjust are based on rates a The SEER 9 areas are and Atlanta. The SEER 13 areas co	ssion Prog Rate bas than 10 c d to the age-adjust San Fran omprise th	gram Ver sed on 1 cases fo 2000 U ced to t acisco, ne SEER	sion 3.3, A ess than 16 r at least S Std Popul he 2000 US Connecticut	pril 2008 cases fo one year ation (19 Std Popul , Detroit	, Natio or the t within age gr ation ( , Hawai	nal Cancer ime interva the time in oups - Cens 19 age grou i, Iowa, Ne	Institute 1. terval. us P25-11 ps - Cens w Mexico,	230). T sus P25- Seattl	rends 1130). e, Utah	
Native Registry and The SEER 17 areas co			13 areas pl	us Califo	rnia ex	cluding SF/	SJM/LA, K	lentuckv	,	
Louisiana and New Je	ersey.		-			-		-		
The 1997-2006 AAPC e diagnosis years 1992	2-2006.			-	-	-	-			
The 1997-2006 AAPC e diagnosis years 1975		are pas	eu on a JO1	npoint an	alysis	ωττη πό το	4 JOINPOI	uus ove	T	
Hispanic and Non-His Islanders, and Ameri are based on NHIA ar Non-Hispanic death and North Dakota. T Connecticut, the Dis	ican India nd exclude rates excl The 1997-2 strict of	ns/Alas cases ude dea 006 His Columbi	ka Natives. from the Al ths from th panic and N	Inciden aska Nati e Distric on-Hispan	ce data ve Regi t of Co ic mort	for Hispan stry. The lumbia, Min ality trend	ics and M 2002-2006 nesota, M s exclude	Ion-Hisp 5 Hispan New Hamp 2 deaths	ic and shire from	
Dakota, Oklahoma and Incidence data for A Delivery Area) count	American I		laska Nativ	e are bas	ed on t	he CHSDA(Co	ntract He	ealth Se	rvice	
US Mortality Files, The 1997-2006 mortal The APC is significa	National lity AAPCs	are ba	sed on a Jo	inpoint a			s of deat	:h 1992-	2006.	

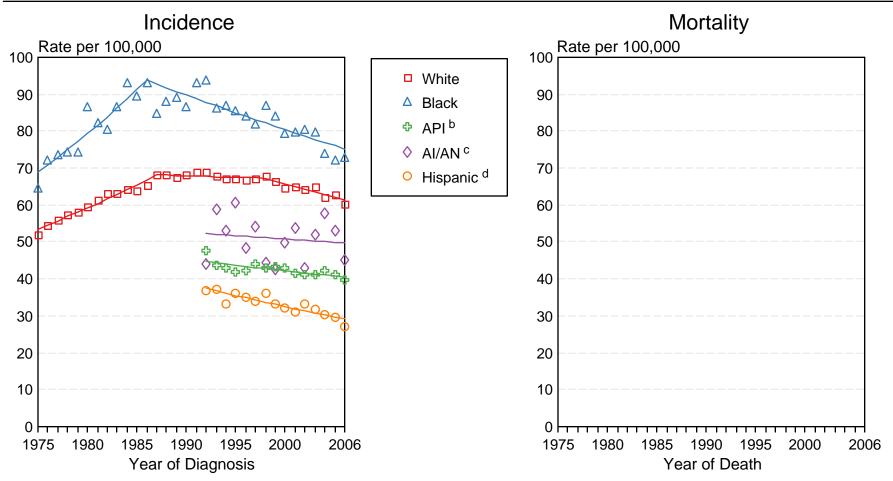
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# SEER Incidence and US Death Rates<sup>a</sup> Cancer of the Lung and Bronchus, Both Sexes Joinpoint Analyses for Whites and Blacks from 1975-2006

and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2006



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).

National Cancer Institute

- Regression lines are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2006 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2006 allow a maximum of 2 joinpoints.
- <sup>b</sup> API = Asian/Pacific Islander.
- c Al/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- <sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

### Table 16.12 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> Rate 2002-2006 Rate per 100,000 persons				SEER 13 Areas <sup>b</sup> Trend 1997-2006° AAPC (%)			SEER 9 Areas <sup>b</sup> Trend 1997-2006 <sup>d</sup> AAPC (%)			
	Total	Males	Females	Total	Males	Females	Total	Males	Females		
RACE/ETHNICITY											
All Races	19.6	25.0	15.8	1.7*	1.7*	2.2*	2.6*	2.9*	2.4*		
White	22.9	28.9	18.7	2.2*	2.7*	2.8*	3.1*	3.1*	2.5*		
White Hispanic <sup>e</sup>	4.6	4.7	4.7	1.1	1.9*	0.7	-	-	-		
White Non-Hispanic <sup>e</sup>	26.7	33.2	22.0	3.2*	3.1*	3.4*	-	-	-		
Black	1.0	1.1	1.0	-5.1*	-	-	-0.5	0.2	-1.0*		
Asian/Pacific Islander	1.4	1.6	1.3	1.7	1.7	1.9	-	-	-		
Amer Ind/Alaska $\operatorname{Nat}^{\mathrm{f}}$	3.3	3.9	2.8	-	-	-	-	-	-		
Hispanic <sup>e</sup>	4.5	4.6	4.7	-0.5	1.6*	0.6	-	-	-		
U.S. Mortality <sup>g</sup>	Rate	e 2002-2	006	Trer	nd 1997-	2006 <sup>h</sup>					

		100,00	0 persons	AAPC (%)					
	Total	Males	Females	Total	Males	Females			
RACE/ETHNICITY									
All Races	2.7	3.9	1.7	-0.1	0.3	-0.5*			
White White Hispanic <sup>e</sup> White Non-Hispanic <sup>e</sup>	3.0 0.8 3.3	4.4 1.0 4.8	2.0 0.6 2.1	0.1 -0.8 0.3*	-0.5	-1.1			
Black	0.4	0.5	0.4	-1.1	0.4	-2.1*			
Asian/Pacific Islander	0.4	0.5	0.3	-0.7	-	-			
Amer Ind/Alaska Nat Total U.S. CHSDA Counties Non-CHSDA Counties	0.9 1.2 0.4	1.1 1.6 -	0.7 0.9 -	- - -	- - -	- - -			
Hispanic <sup>e</sup>	0.7	0.9	0.6	-0.7	-0.7	-0.9			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute. Statistic not shown. Rate based on less than 16 cases for the time interval.

- Trend based on less than 10 cases for at least one year within the time interval.
- Rates are age-adjusted to the 2000 US Std Population (19 age groups Census P25-1130). Trends
- are based on rates age-adjusted to the 2000 US Std Population (19 age groups Census P25-1130). 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.

с The 1997-2006 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2006.

d The 1997-2006 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2006.

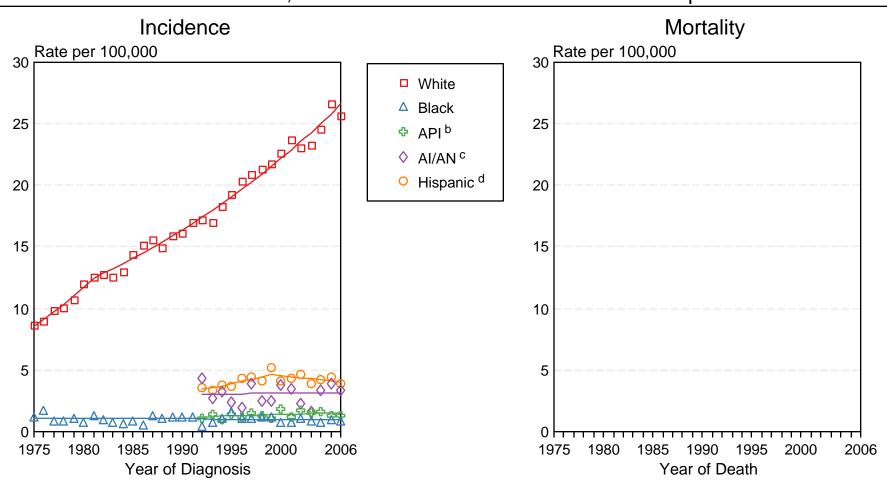
Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics ρ are based on NHIA and exclude cases from the Alaska Native Registry. The 2002-2006 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, Minnesota, New Hampshire and North Dakota. The 1997-2006 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.

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

The 1997-2006 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2006. 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 1975-2006 and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2006



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).

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National Cancer Institute

- Regression lines are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the
- 1975-2006 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2006 allow a maximum of 2 joinpoints.
- <sup>b</sup> API = Asian/Pacific Islander.
- c Al/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- <sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

#### Table 17.9 Mesothelioma

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

SEER Incidence	SEER 17 Areas <sup>b</sup> Rate 2002-2006 Rate per 100,000 persons			SEER 13 Areas <sup>b</sup> Trend 1997-2006 <sup>c</sup> AAPC (%)			SEER 9 Areas <sup>b</sup> Trend 1997-2006 <sup>d</sup> AAPC (%)		
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females	Total	Males	Females
IACE/ ETIMICITI									
All Races	1.1	2.0	0.4	-1.2*	-1.7*	0.0	-1.2*	-1.8*	-0.1
White	1.2	2.2	0.5	-0.8*	-1.4*	0.4	-0.7	-1.6*	0.9*
White Hispanic <sup>e</sup>	1.1	1.8	0.5	-2.6*	-3.3*	-	-	-	-
White Non-Hispanic <sup>e</sup>	1.2	2.2	0.5	-0.7*	-1.2*	0.3	-	-	-
Black	0.6	1.2	0.3	-3.5*	-	-	-6.5*	-7.8*	-
Asian/Pacific Islander	0.3	0.6	0.1	-	-	-	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	-	-	-	-	-	-	-	-	-
Hispanic <sup>e</sup>	1.0	1.8	0.5	-2.4*	-3.1*	-	-	-	-

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute. Statistic not shown. Rate based on less than 16 cases for the time interval. Trend based on less than 10 cases for at least one year within the time interval. Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). а 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. С The 1997-2006 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2006. d The 1997-2006 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2006. 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).

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#### Table 18.12 Myeloma

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

SEER Incidence	Rate	R 17 Are 2002-2 100,00			ER 13 A nd 1997- AAPC (*	2006°	SEER 9 Areas <sup>b</sup> Trend 1997-2006 <sup>d</sup> AAPC (%)			
		Males	Females		Males	Females		Males	Females	
RACE/ETHNICITY										
All Races	5.6	7.1	4.6	-0.3	-0.3	-0.3	-0.8*	-0.9	-1.1*	
White	5.2	6.6	4.1	-0.2	-0.3	-0.4	-0.7	-0.9	-1.1	
White Hispanic <sup>e</sup> White Non-Hispanic <sup>e</sup>	5.5 5.1	6.6 6.6	4.7 4.0	-0.5 -0.2	-0.8 -0.2	-0.1 -0.5	-	-	-	
-									-	
Black	11.7	14.3	10.0	-0.3	0.0	-0.7	-0.8	0.3	-1.4	
Asian/Pacific Islander	3.3	3.9	2.8	-0.7	-1.4*	0.3	-	-	-	
Amer Ind/Alaska Nat <sup>f</sup>	4.8	4.6	5.1	-	-	-	-	-	-	
Hispanic <sup>e</sup>	5.4	6.4	4.7	-0.4	-0.7	-0.1	-	-	-	
U.S. Mortality <sup>g</sup>										
<u>U.S. Mortality<sup>g</sup></u>		e 2002-2			nd 1997-					
	_		0 persons		AAPC (%					
RACE/ETHNICITY	Total	Males	Females		Males	Females				
	2.6	4 5	2 0	1 2+		1 5+				
All Races	3.6	4.5	3.0	-1.3*	-1.1*	-1.5*				
White	3.4	4.3	2.7	-1.2*	-1.0*					
White Hispanic <sup>e</sup>	3.0	3.5	2.6	-0.5	-1.1	-1.6*				
White Non-Hispanic <sup>e</sup>	3.4	4.3	2.7	-1.1*	-1.0*	-1.3*				
Black	6.8	8.2	5.8	-1.9*	-1.3*	-2.1*				
Asian/Pacific Islander	1.6	1.9	1.5	-1.3*	-2.1*	-0.4				
Amer Ind/Alaska Nat										
Total U.S.	2.8	3.3	2.5	-0.7	-	-				
CHSDA Counties	3.6	4.3	3.3	-0.5	-	-				
Non-CHSDA Counties	1.7	2.0	1.5	-	-	-				
Hispanic <sup>e</sup>	2.9	3.4	2.6	-0.4	-1.0	-1.5*				
The AAPC is the Ave the Joinpoint Regre Statistic not shown Trend based on less Rates are age-adjus are based on rates The SEER 9 areas ar and Atlanta.	ssion Prog . Rate bas than 10 c ted to the age-adjust e San Frar	gram Ver sed on 1 cases fo 2000 U ced to to ncisco,	sion 3.3, A ess than 16 or at least US Std Popul the 2000 US Connecticut	pril 2008 cases fo one year ation (19 Std Popul c, Detroit	3, Natio or the t within age gr lation ( t, Hawai	nal Cancer ime interva the time ir oups - Cens 19 age grou i, Iowa, Ne	Institute al. nterval. sus P25-12 ups - Cens ew Mexico,	2. 130). 1 Sus P25- , Seatt]	Trends -1130). le, Utah	
The SEER 13 areas c Native Registry and			9 areas plu	ıs San Jos	se-Monte	rey, Los Ar	ngeles, th	ne Alasł	Ka	
The SEER 17 areas c	omprise th		13 areas pl	us Califo	ornia ex	cluding SF/	/SJM/LA, H	Centucky	7.	
Louisiana and New J The 1997-2006 AAPC		are bas	ed on a Joi	.npoint ar	nalysis	with up to	2 Joinpoi	ints ove	er	
diagnosis years 199 The 1997-2006 AAPC		are bas	ed on a Joi	.npoint ar	nalysis	with up to	4 Joinpoi	ints ove	er	
diagnosis years 197	5-2006.			-	-	-	-			
Hispanic and Non-Hi Islanders, and Amer are based on NHIA a Non-Hispanic death and North Dakota. Connecticut, the Di	ican India nd exclude rates excl The 1997-2 strict of	ans/Alas e cases Lude dea 2006 His Columbi	ska Natives. from the Al ths from th panic and N	Incider aska Nati De Distric Non-Hispar	nce data Lve Regi ct of Co nic mort	for Hispar stry. The lumbia, Mir ality trend	nics and M 2002-2000 nnesota, M ds exclude	Non-Hisp 5 Hispar New Hamp e deaths	nic and oshire s from	
Dakota, Oklahoma an Incidence data for Delivery Area) coun	American 1		laska Nativ	ve are bas	sed on t	he CHSDA(Co	ontract He	ealth Se	ervice	
Delivery Area) coun US Mortality Files,	National									
The 1997-2006 morta							rs of deat	ch 1992-	-2006.	

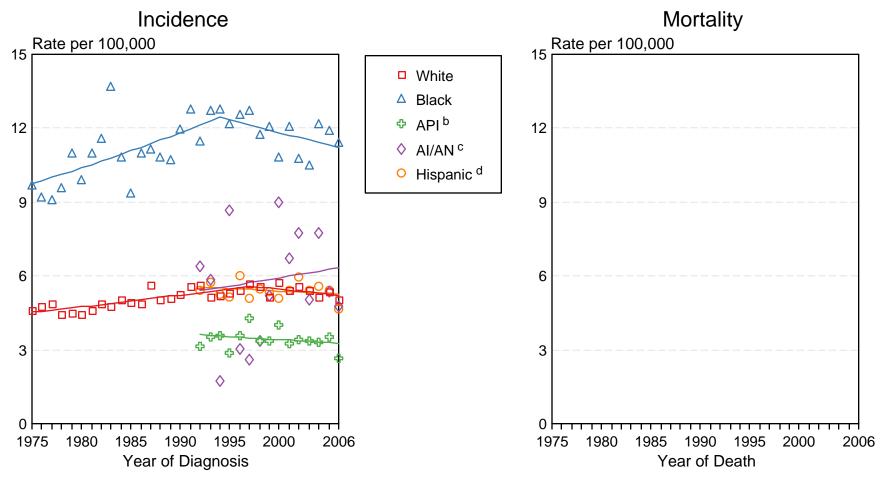
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## SEER Incidence and US Death Rates<sup>a</sup> Myeloma, Both Sexes Joinpoint Analyses for Whites and Blacks from 1975-2006

and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2006



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).

- National Cancer Institute

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

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

1975-2006 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2006 allow a maximum of 2 joinpoints.

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

Regression lines are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the

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#### Table 19.16 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> Rate 2002-2006 Rate per 100,000 persons				ER 13 An 1d 1997- AAPC (%	2006°	SEER 9 Areas <sup>b</sup> Trend 1997-2006 <sup>d</sup> AAPC (%)		
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	19.5	23.5	16.4	0.3*	-0.2	0.4	0.0	0.1	0.3
White White Hispanic <sup>e</sup>	20.4 17.1	24.4 19.6	17.2 14.9	0.3*	-0.1 -0.8*	0.9* 0.7*	0.5* -	0.1	1.0*
White Non-Hispanic <sup>e</sup>	20.9	25.2	17.5	0.5*	0.1	1.0*	-	-	
Black	14.8	18.3	12.2	0.8*	-0.2	2.1*	0.6	-0.6	2.6*
Asian/Pacific Islander	12.9	15.5	10.9	-0.2	-0.5	0.3	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	10.8	11.8	10.0	3.2*	-	-	-	-	-
Hispanic <sup>e</sup>	16.7	19.1	14.6	-0.1	-0.7	0.7*	-	-	-
U.S. Mortality <sup>g</sup>						h			
		2002-2 100,00	2006 0 persons	Trend 1997-2006 <sup>h</sup> AAPC (%)					
		Males	Females	Total	Males	Females			
RACE/ETHNICITY									
All Races	7.1	9.0	5.7	-3.2*	-3.0*	-3.5*			
White	7.4	9.3	5.9	-3.2*	-2.9*	-3.5*			
White Hispanic <sup>e</sup>	5.6	6.7	4.8	-3.5*	-3.6*				
White Non-Hispanic <sup>e</sup>	7.5	9.5	6.0	-3.0*	-2.7*	-3.2*			
Black	5.0	6.3	4.1	-2.9*	-3.4*	-2.4*			
Asian/Pacific Islander	4.4	5.4	3.7	-3.2*	-2.7*	-1.7*			
Amer Ind/Alaska Nat									
Total U.S. CHSDA Counties	3.6 4.8	4.0 5.2	3.3 4.4	-0.8 0.7	-1.5 -0.5	-0.3 1.7			
Non-CHSDA Counties	2.2	2.6	1.8	-9.5*	-0.5	-			
Hispanic <sup>e</sup>	5.4	6.4	4.6	-3.5*	-3.7*	-3.1*			
The AAPC is the Ave the Joinpoint Regre Statistic not shown Trend based on less Rates are age-adjus are based on rates The SEER 9 areas ar and Atlanta. The SEER 13 areas c Native Registry and The SEER 17 areas c Louisiana and New J The 1997-2006 AAPC diagnosis years 197 Hispanic and Non-Hi Islanders, and Amer are based on NHIA a Non-Hispanic death and North Dakota. Connecticut, the Di Dakota, Oklahoma an Incidence data for	ssion Prog . Rate bas than 10 c ted to the age-adjust e San Fran omprise th Rural Geo omprise th ersey. estimates 2-2006. estimates 5-2006. spanic are ican India nd exclude rates excl The 1997-2 strict of Vermont. American I	ram Ver ed on 1 asses foc 2000 U ed to t torisco, e SEER are bas are bas are bas are bas are bas columbi	sion 3.3, A ess than 16 or at least S Std Popul he 2000 US Connecticut 9 areas plu 13 areas plu ed on a Joi ed on a Joi tually excl ka Natives. from the Al ths from th panic and N a, Maine, M	pril 2008 cases fo one year ation (19 Std Popul , Detroit us Califo npoint ar npoint ar usive fro Incider aska Nati e Distric fon-Hispar laryland,	, Natio or the t within age gr ation ( , Hawai e-Monte ornia ex alysis alysis m white tee data ve Regi t of Co hic mort Minneso	nal Cancer ime interva the time ir oups - Cens 19 age grou i, Iowa, Ne rey, Los Ar cluding SF/ with up to with up to s, blacks, for Hispar stry. The lumbia, Mir ality trend ta, New Ham	Institute l. tterval. us P25-11 ups - Cens w Mexico geles, th 2 Joinpo: 4 Joinpo: Asian/Pac ics and M 2002-2006 mesota, M ls exclude upshire, M	E. Sus P25- , Seattl ne Alash (entucky ints ove ints ove cific Non-Hisp 5 Hispan New Hamp 2 deaths New Yorh	Frends -1130). Le, Utah ca 7, er er panics nic and pshire s from c, North
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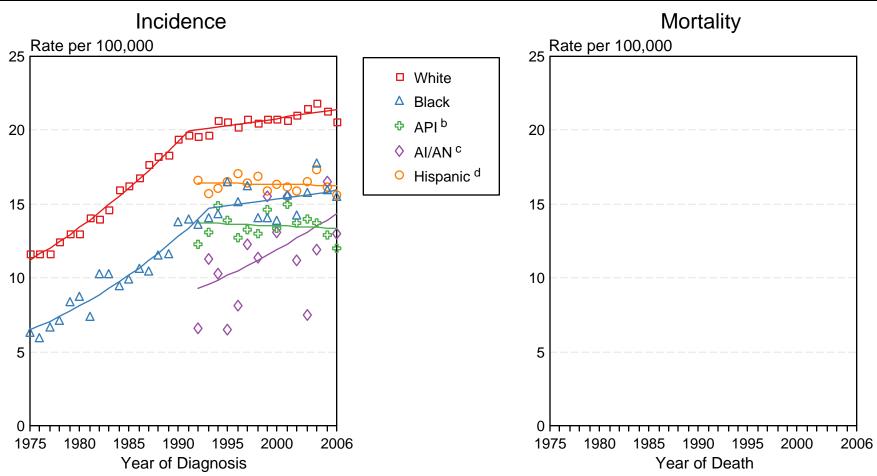
The 1997-2006 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2006. The APC is significantly different from zero (p<.05).

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### SEER Incidence and US Death Rates<sup>a</sup> Non-Hodgkin Lymphoma, Both Sexes Joinpoint Analyses for Whites and Blacks from 1975-2006 and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2006



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.

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Regression lines are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the

- 1975-2006 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2006 allow a maximum of 2 joinpoints.
- <sup>b</sup> API = Asian/Pacific Islander.
- c AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- <sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

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

#### Table 20.12a 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> Rate 2002-2006 Rate per 100,000 persons			ER 13 A1 1d 1997- AAPC ( <sup>9</sup>	2006°	SEER 9 Areas <sup>b</sup> Trend 1997-2006 <sup>d</sup> AAPC (%)			
		Males	Females		Males	Females		Males	Females
RACE/ETHNICITY									
All Races	10.4	15.4	6.1	-1.4*	-1.6*	-1.3*	-1.1*	-1.4*	-1.0*
White	10.5	15.6	6.1	-1.2*	-1.3*		-0.9*	-1.2*	-1.0*
White Hispanic <sup>e</sup> White Non-Hispanic <sup>e</sup>	6.1 11.2	9.2 16.7	3.6 6.5	-2.3* -0.9*	-2.7* -1.1*		-	-	-
Black	10.5	16.7	5.8	-2.8*	-3.3*		-2.6*	-3.3*	-1.4*
Asian/Pacific Islander	7.8	10.8	5.4	-1.3*	-1.6*		_	-	-
					1.0				
Amer Ind/Alaska Nat <sup>†</sup>	7.1	9.2	5.1	-3.4*	-	-	-	-	-
Hispanic <sup>e</sup>	6.0	9.0	3.5	-2.3*	-2.6*	-2.0*	-	-	-
<u>U.S. Mortality<sup>g</sup></u>	Data	2002-2	0000	<b>—</b>	1 1007	aaach			
			0 persons		nd 1997- AAPC (%				
	Total	Males	Females	Total	Males	Females			
RACE/ETHNICITY									
All Races	2.6	3.9	1.5	-2.2*	-2.2*	-2.4*			
White	2.5	3.7	1.4	-1.9*	-1.9*	-2.2*			
White Hispanic <sup>e</sup>	1.6	2.6	0.8	-3.1*	-3.9*				
White Non-Hispanic <sup>e</sup>	2.5	3.8	1.5	-1.6*	-1.7*	-2.0*			
Black	3.6	6.5	1.6	-3.8*	-3.7*	-3.9*			
Asian/Pacific Islander	2.1	3.2	1.3	-2.5*	-2.8*	-1.7			
Amer Ind/Alaska Nat									
Total U.S.	2.0	3.0	1.2	-1.8*	-2.1	-			
CHSDA Counties Non-CHSDA Counties	2.4 1.4	3.6 2.2	1.5 0.8	-2.1*	-	_			
Hispanic <sup>e</sup>	1.5	2.5	0.8	-3.1*	-3.9*	-1.7*			
The AAPC is the Ave the Joinpoint Regres Statistic not shown Trend based on less Rates are age-adjust are based on rates a The SEER 9 areas are and Atlanta.	ssion Prog Rate bas than 10 c ed to the age-adjust San Fran	ram Ver ed on 1 ases fo 2000 U ed to t cisco,	sion 3.3, A ess than 16 r at least S Std Popul he 2000 US Connecticut	pril 2008 cases fo one year ation (19 Std Popul , Detroit	, Natio or the t within age gr ation ( , Hawai	nal Cancer ime interva the time ir oups - Cens 19 age grou i, Iowa, Ne	Institute al. nterval. sus P25-11 ups - Cens ew Mexico,	e. 130). T sus P25- , Seattl	rends 1130). e, Utah
The SEER 13 areas converse and Native Registry and	Rural Geo	rgia.							
The SEER 17 areas co Louisiana and New Jo		e seer	13 areas pl	us Califo	ornia ex	cluding SF/	SJM/LA, P	Centucky	1
The 1997-2006 AAPC e diagnosis years 1992		are bas	ed on a Joi	npoint an	alysis	with up to	2 Joinpoi	ints ove	r
The 1997-2006 AAPC diagnosis years 197	estimates	are bas	ed on a Joi	npoint an	alysis	with up to	4 Joinpoi	ints ove	r
Hispanic and Non-His Islanders, and Ameri are based on NHIA an Non-Hispanic death and North Dakota. Connecticut, the Dis Dakota, Oklahoma and	spanic are ican India nd exclude rates excl The 1997-2 strict of	ns/Alas cases ude dea 006 His Columbi	ka Natives. from the Al ths from th panic and N	Incider aska Nati e Distric Ion-Hispar	ice data ve Regi t of Co ic mort	for Hispar stry. The lumbia, Mir ality trend	nics and M 2002-2006 nnesota, M ds exclude	Non-Hisp 5 Hispan New Hamp e deaths	ic and shire from
Incidence data for A Delivery Area) count	American I		laska Nativ	e are bas	ed on t	he CHSDA(Co	ontract He	ealth Se	rvice
US Mortality Files, The 1997-2006 morta The APC is significa	National lity AAPCs	are ba	sed on a Jo	inpoint a			rs of deat	ch 1992-	2006.

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

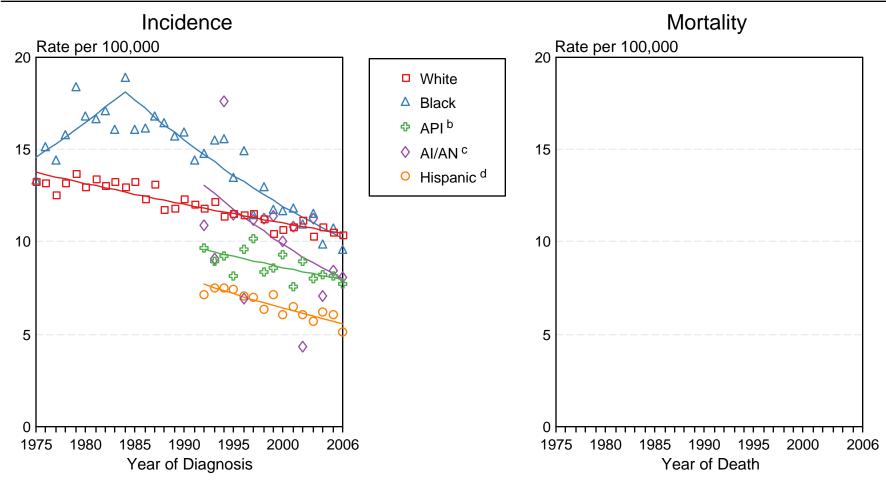
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## SEER Incidence and US Death Rates<sup>a</sup> Cancer of the Oral Cavity and Pharynx, Both Sexes Joinpoint Analyses for Whites and Blacks from 1975-2006

and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2006



Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta). Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Mortality data are from US Mortality Files, National Center for Health Statistics, CDC. <sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the

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- Registry and Rural Georgia).
  a Rates are age-adjusted to th Regression lines are calcular 1975-2006 period allow a ma
  b API = Asian/Pacific Islander.
  c Al/AN = American Indian/Ala
  d Hispanic is not mutually excl from the Alaska Native Regis
  - c Al/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

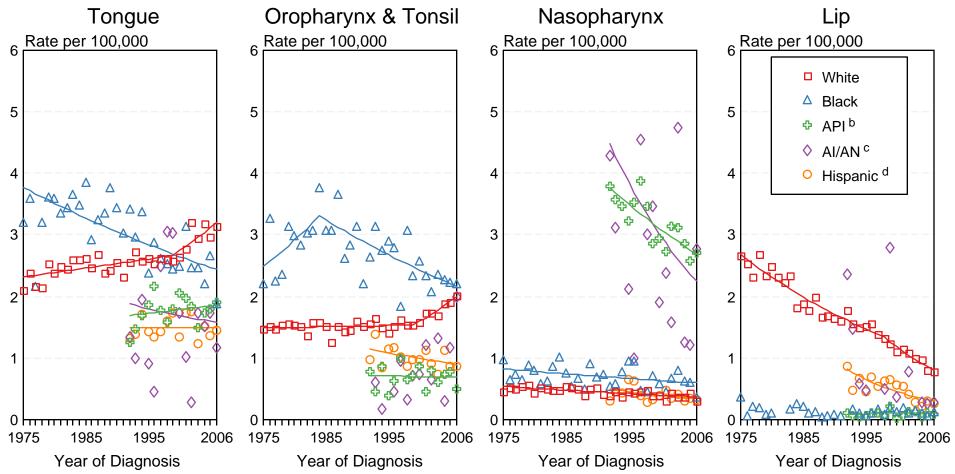
1975-2006 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2006 allow a maximum of 2 joinpoints.

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

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

Cancer of the Oral Cavity and Pharangeal for Selected Subsites, Both Sexes Joinpoint Analyses for Whites and Blacks from 1975-2005

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



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

Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2005 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2005 allow a maximum of 3 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> Al/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- d 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 21.10 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> Rate 2002-2006 Rate per 100,000 persons	SEER 13 Areas <sup>b</sup> Trend 1997-2006 <sup>°</sup> AAPC (%)	SEER 9 Areas <sup>b</sup> Trend 1997-2006 <sup>d</sup> AAPC (%)
	Females	Females	Females
RACE/ETHNICITY			
All Races	13.1	-1.6*	-1.8*
White	13.8	-1.7*	-1.9*
White Hispanic <sup>e</sup>	11.7	-0.7	-
White Non-Hispanic <sup>e</sup>	14.1	-1.7*	-
Black	10.1	-0.9*	-0.6*
Asian/Pacific Islander	9.9	0.0	-
Amer Ind/Alaska Nat <sup>f</sup>	10.8	-	-
Hispanic <sup>e</sup>	11.3	-0.6	-

U.S. Mortality<sup>g</sup>

<u>5.5. Moreality</u>	Rate 2002-2006 Rate per 100,000 persons	Trend 1997-2006 <sup>h</sup> AAPC (%)
	Females	Females
RACE/ETHNICITY		
All Races	8.8	-0.4
White	9.1	-0.4
White Hispanic <sup>e</sup>	6.3	-0.4
White Non-Hispanic <sup>e</sup>	9.3	-0.3
Black	7.3	-0.6*
Asian/Pacific Islander	4.9	0.3
Amer Ind/Alaska Nat		
Total U.S.	5.4	0.1
CHSDA Counties	6.8	0.8
Non-CHSDA Counties	3.6	-
Hispanic <sup>e</sup>	6.0	-0.3

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute. Statistic not shown. Rate based on less than 16 cases for the time interval.

- Trend based on less than 10 cases for at least one year within the time interval.
- Rates are age-adjusted to the 2000 US Std Population (19 age groups Census P25-1130). Trends
- are based on rates age-adjusted to the 2000 US Std Population (19 age groups Census P25-1130). 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.

с The 1997-2006 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2006.

d The 1997-2006 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over

diagnosis years 1975-2006. 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 ρ are based on NHIA and exclude cases from the Alaska Native Registry. The 2002-2006 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, Minnesota, New Hampshire and North Dakota. The 1997-2006 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.

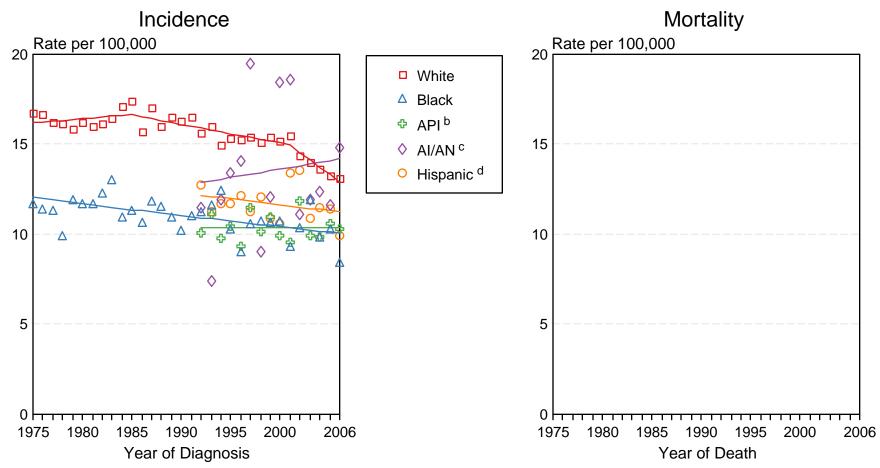
US Mortality Files, National Center for Health Statistics, CDC. h

The 1997-2006 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2006. 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 1975-2006

and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2006



Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta). Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Ovary excludes borderline cases or histologies 8442, 8451, 8462, 8472, and 8473. Mortality data are from US Mortality Files, National Center for Health Statistics, CDC.

- <sup>a</sup> Rates are age-adjusted to the 2000 US Std Population (19 age groups Census P25-1103). Regression lines are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2006 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2006 allow a maximum of 2 joinpoints.
- <sup>b</sup> API = Asian/Pacific Islander.
- c AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- <sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

#### Table 22.12 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> Rate 2002-2006 Rate per 100,000 persons			SEER 13 Areas <sup>b</sup> Trend 1997-2006 <sup>c</sup> AAPC (%)			SEER 9 Areas <sup>b</sup> Trend 1997-2006 <sup>d</sup> AAPC (%)			
	Total	Males	Females	Total	Males	Females	Total	Males	Females	
RACE/ETHNICITY										
All Races	11.7	13.1	10.4	0.3*	0.1	0.4*	0.5*	0.3	0.6*	
White	11.5	13.1	10.2	0.5*	0.4*	0.4*	0.7*	0.7*	0.9*	
White Hispanic <sup>e</sup>	10.9	11.4	10.4	-0.1	-0.1	-0.3	-	-	-	
White Non-Hispanic <sup>e</sup>	11.7	13.3	10.2	0.5*	0.5*	0.5*	-	-	-	
Black	15.6	16.6	14.6	-0.8*	-1.2*	-0.6	-0.3*	-0.7*	0.0	
Asian/Pacific Islander	9.0	10.1	8.2	0.0	-0.9	0.9*	-	-	-	
Amer Ind/Alaska Nat <sup>f</sup>	9.7	10.2	9.3	-	-	-	_	-	-	
Hispanic <sup>e</sup>	10.6	11.1	10.2	0.0	0.0	-0.1	-	-	-	
U.S. Mortality <sup>g</sup>						h				
		e 2002-2	2006 0 persons		nd 1997- AAPC (%					
	Total		Females	Total		Females				
RACE/ETHNICITY	IULAI	Mares	remates	IULAI	Mares	remates				
All Races	10.7	12.3	9.3	0.3*	0.1	0.3*				
White	10.5	12.2	9.1	0.5*	0.3*	0.4*				
White Hispanic <sup>e</sup>	8.6	9.5	7.8	0.1	-0.4	0.3				
White Non-Hispanic <sup>e</sup>	10.6	12.4	9.2	0.6*	0.6*	0.3*				
Black	13.7	15.4	12.4	-0.8*	-1.2*	-0.6*				
Asian/Pacific Islander	7.4	8.1	7.0	-0.3	-1.0*	0.5				
Amer Ind/Alaska Nat										
Total U.S.	6.8	7.1	6.6	1.1	1.8	0.9				
CHSDA Counties	8.4	9.1	7.8	2.3*	3.2*	2.1				
Non-CHSDA Counties	4.9	4.5	5.1	-0.9	-	—				
Hispanic <sup>e</sup>	8.3	9.1	7.5	0.0	-0.3	0.3				
The AAPC is the Ave the Joinpoint Regre Statistic not shown Trend based on less Rates are age-adjus are based on rates The SEER 9 areas ar and Atlanta.	ssion Prog . Rate bas than 10 c ted to the age-adjust e San Frar	gram Ver sed on 1 cases fo 2000 U ced to to ncisco,	sion 3.3, A ess than 16 or at least S Std Popul he 2000 US Connecticut	pril 2008 cases fo one year ation (19 Std Popul , Detroit	, Natio or the t within age gr ation ( , Hawai	nal Cancer ime interva the time in oups - Cens 19 age grou i, Iowa, Ne	Institute 1. aterval. sus P25-11 aps - Cens aw Mexico,	2. 130). T Sus P25- Seattl	rends 1130). e, Utah	
The SEER 13 areas c Native Registry and	Rural Geo	orgia.								
The SEER 17 areas c Louisiana and New J	ersey.		-			-		-		
The 1997-2006 AAPC diagnosis years 199		are bas	ed on a Joi	npoint an	alysis	with up to	2 Joinpoi	ints ove	r	
The 1997-2006 AAPC diagnosis years 197		are bas	ed on a Joi	npoint an	alysis	with up to	4 Joinpoi	lnts ove	r	
Hispanic and Non-Hi Islanders, and Amer are based on NHIA a Non-Hispanic death and North Dakota. Connecticut, the Di Dakota, Oklahoma an	spanic are ican India nd exclude rates excl The 1997-2 strict of	ns/Alas cases ude dea 2006 His Columbi	ka Natives. from the Al ths from th panic and N	Incider aska Nati e Distric on-Hispar	ice data ve Regi st of Co ic mort	for Hispan stry. The lumbia, Min ality trend	nics and M 2002-2006 nesota, M ls exclude	Ion-Hisp 5 Hispan Iew Hamp 2 deaths	ic and shire from	
Incidence data for Delivery Area) coun	American I ties.	ndian/A					ontract He	ealth Se	rvice	
US Mortality Files, The 1997-2006 morta The APC is signific	lity AAPCs	s are ba	sed on a Jo	inpoint a			s of deat	h 1992-	2006.	

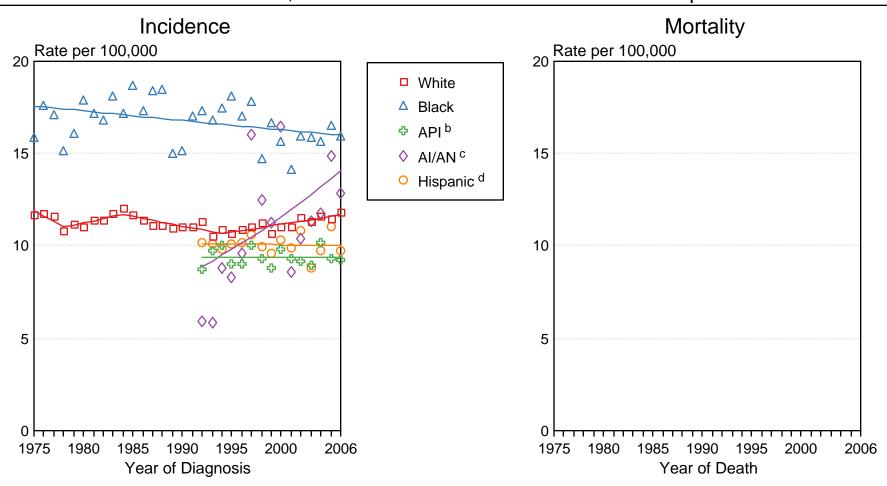
\* The APC is significantly different from zero (p<.05).

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### SEER Incidence and US Death Rates<sup>a</sup> Cancer of the Pancreas, Both Sexes Joinpoint Analyses for Whites and Blacks from 1975-2006 and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2006



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).

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- 1975-2006 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2006 allow a maximum of 2 joinpoints. <sup>b</sup> API = Asian/Pacific Islander. c Al/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- d Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Regression lines are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the

#### Table 23.10 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> Rate 2002-2006 Rate per 100,000 persons	SEER 13 Areas <sup>b</sup> Trend 1997-2006 <sup>c</sup> AAPC (%)	SEER 9 Areas <sup>b</sup> Trend 1997-2006 <sup>d</sup> AAPC (%)
	Males	Males	Males
RACE/ETHNICITY			
All Races	159.3	-1.3*	-1.1
White	153.0	-1.4*	-1.2*
White Hispanic <sup>e</sup>	133.2	-2.1	-
White Non-Hispanic <sup>e</sup>	156.1	-1.5*	-
Black	239.8	-2.6*	-2.2*
Asian/Pacific Islander	91.1	-0.7	-
Amer Ind/Alaska Nat <sup>f</sup>	76.1	-2.6*	-
Hispanic <sup>e</sup>	133.4	-1.4*	-
<u>U.S. Mortality<sup>g</sup></u>	Data 2002 2006	mar 1 1007 000ch	
	Rate 2002-2006 Rate per 100,000 persons	Trend 1997-2006 <sup>h</sup> AAPC (%)	
	Males	Males	
RACE/ETHNICITY		Marcs	
All Races	25.6	-4.1*	
AII RACES	25.0	-4.1	
White	23.6	-4.0*	
White Hispanic <sup>e</sup>	20.0	-3.1*	
White Non-Hispanic <sup>e</sup>	23.7	-4.1*	
Black	56.3	-4.3*	
Asian/Pacific Islander	10.6	-4.4*	
Amer Ind/Alaska Nat			
Amer Ind/Alaska Nat Total U.S.	16 9	-3.8*	
CHSDA Counties	16.8 20.0	-3.8*	
Non-CHSDA Counties	20.0 12.6	-3.0* -4.3*	
Non-CHSDA Countles	12.6	-4.3^	
Hispanic <sup>e</sup>	19.6	-3.6*	
the Joinpoint Regre Statistic not shown Trend based on less Rates are age-adjus are based on rates	rage Annual Percent Change ov ssion Program Version 3.3, Ap . Rate based on less than 16 than 10 cases for at least o ted to the 2000 US Std Popula age-adjusted to the 2000 US S e San Francisco, Connecticut,	ril 2008, National Cancer cases for the time interva ne year within the time in tion (19 age groups - Cen. td Population (19 age groups	Institute. al. nterval. sus P25-1130). Trends ups - Census P25-1130).

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.

С The 1997-2006 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2006.

d The 1997-2006 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over

diagnosis years 1975-2006. 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 e are based on NHIA and exclude cases from the Alaska Native Registry. The 2002-2006 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, Minnesota, New Hampshire and North Dakota. The 1997-2006 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

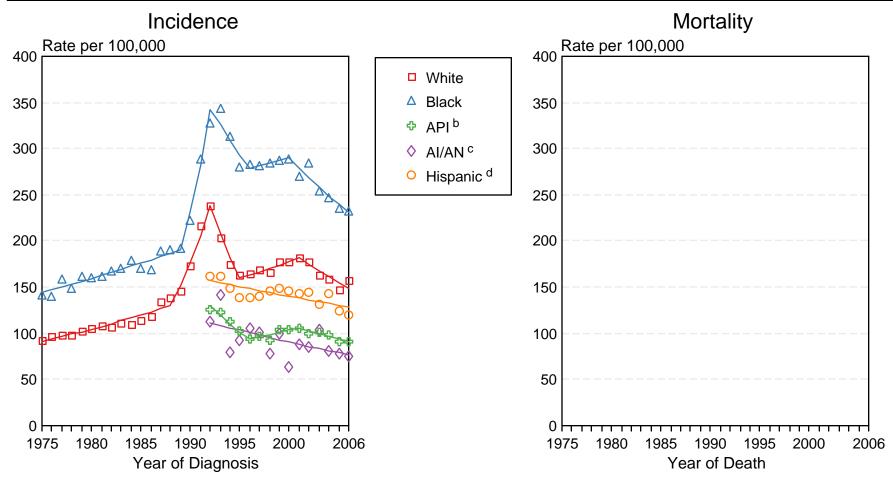
The 1997-2006 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2006. The APC is significantly different from zero (p<.05).

a b

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

Joinpoint Analyses for Whites and Blacks from 1975-2006

and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2006



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

- National Cancer Institute
- Regression lines are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2006 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2006 allow a maximum of 2 joinpoints.
- <sup>b</sup> API = Asian/Pacific Islander.
- c AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- <sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

SEER Cancer Statistics Review 1975-2006

#### Table 24.12 Cancer of the Stomach (Invasive)

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

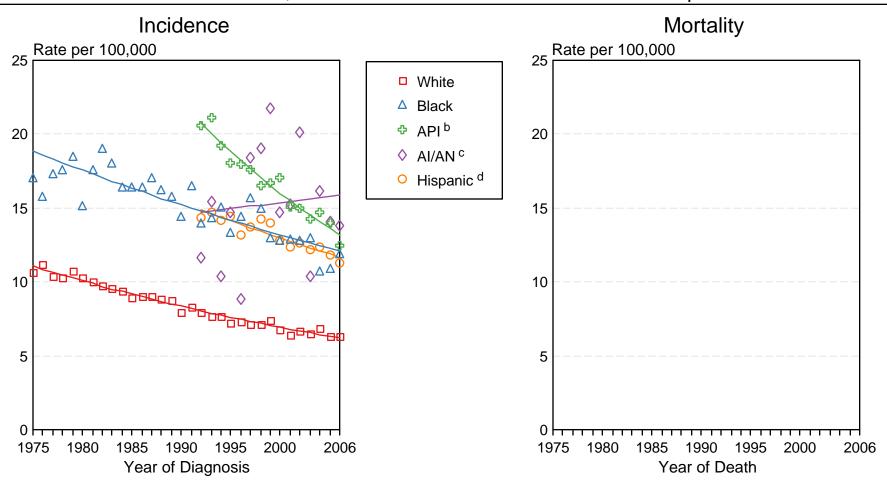
SEER Incidence	SEER 17 Areas <sup>b</sup> Rate 2002-2006 Rate per 100,000 persons			SEER 13 Areas <sup>b</sup> Trend 1997-2006 <sup>c</sup> AAPC (%)			SEER 9 Areas <sup>b</sup> Trend 1997-2006 <sup>d</sup> AAPC (%)			
RACE/ETHNICITY	Total	Males	Females		Males	Females	Total	Males	Females	
All Races	7.9	11.0	5.5	-1.4*	-2.0*	-0.8*	-1.6*	-2.0*	-1.6*	
White White Hispanic <sup>e</sup> White Non-Hispanic <sup>e</sup>	6.9 12.0 6.2	9.8 15.3 9.0	4.7 9.5 4.0	-1.4* -1.9* -1.8*	-2.0* -2.8* -2.2*	-0.9* -0.9* -1.5*	-1.9* _ _	-1.9* _ _	-2.0* -	
Black	12.1	16.8	9.0	-1.9*	-2.5*	-1.1	-1.4*	-2.2*	-1.0*	
Asian/Pacific Islander	13.4	18.0	10.0	-3.2*	-3.0*	-3.1*	-	-	-	
Amer Ind/Alaska Nat <sup>f</sup>	11.2	15.5	7.9	0.6	0.5	-	-	-	-	
Hispanic <sup>e</sup>	11.7	14.9	9.3	-1.7*	-2.6*	-0.7*	-	-	-	
U.S. Mortality <sup>g</sup>		2002-2 2002-2	006 0 persons		nd 1997- AAPC (%					
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females				
All Races	4.0	5.5	2.8	-3.3*	-3.7*	-2.7*				
White White Hispanic <sup>e</sup> White Non-Hispanic <sup>e</sup>	3.5 6.5 3.2	4.8 8.6 4.5	2.4 5.0 2.2	-3.2* -2.3* -3.7*	-3.9* -3.9* -4.2*	-2.9* -1.8* -3.2*				
Black	7.6	11.0	5.3	-3.7*	-3.9*	-3.6*				
Asian/Pacific Islander	7.4	9.6	5.8	-3.9*	-3.9*	-3.7*				
Amer Ind/Alaska Nat Total U.S. CHSDA Counties Non-CHSDA Counties	4.5 6.7 1.8	6.4 9.8 2.3	3.2 4.6 1.4	-2.6* -1.0 -	-1.8* -0.6 -	-3.4* -6.1 -				
Hispanic <sup>e</sup>	6.3	8.3	4.8	-3.2*	-4.0*	-1.8*				
The AAPC is the Aver the Joinpoint Regres Statistic not shown. Trend based on less Rates are age-adjust are based on rates a The SEER 9 areas are and Atlanta. The SEER 13 areas co Native Registry and The SEER 17 areas co Louisiana and New Je The 1997-2006 AAPC e diagnosis years 1992 The 1997-2006 AAPC e diagnosis years 1975 Hispanic and Non-His Islanders, and Ameri are based on NHIA ar Non-Hispanic death r and North Dakota. T Connecticut, the Dis Dakota, Oklahoma and Incidence data for F Delivery Area) count US Mortality Files, The 1997-2006 mortal The APC is significa	sion Prog Rate bas than 10 c ed to the ge-adjust San Fran mprise th Rural Gec mprise th rrsey. stimates -2006. stimates -2006. stimates can India d exclude ates excl the 1997-2 strict of l Vermont. merican I ties. National	ram Ver ed on 1 ases foo 2000 U ed to t cisco, e SEER are bas are bas are bas are bas cases ude dea 006 His Columbi ndian/A Center are ba	sion 3.3, A ess than 16 r at least S Std Popul he 2000 US Connecticut 9 areas plu 13 areas pl ed on a Joi ed on a Joi tually excl ka Natives. from the Al ths from th panic and N a, Maine, M laska Nativ for Health sed on a Jo	pril 2008 cases for one year ation (19 Std Popul , Detroit s San Jos us Califo npoint an usive fro Inciden aska Nati e Distric fon-Hispan aryland, re are bas Statistic inpoint a	, Natio or the t within age gr ation ( , Hawai e-Monte ornia ex alysis m white te data ve Regi tt of Co nic mort Minneso eed on t s, CDC.	nal Cancer ime interva the time in oups - Cens 19 age grou i, Iowa, Ne rey, Los An cluding SF/ with up to with up to with up to s, blacks, for Hispan stry. The lumbia, Min ality trend ta, New Ham he CHSDA(Co	Institute 1. terval. us P25-11 ps - Cens w Mexico, geles, th SJM/LA, K 2 Joinpoi 4 Joinpoi 4 Joinpoi Asian/Pac ics and N 2002-2006 nesota, N s exclude pshire, N ntract He	2. 30). T sus P25- Seattl ne Alask Centucky .nts ove .nts ove .ific Ion-Hispp G Hispan Lew Hamp 2 deaths Lew York 2alth Se	rrends 1130). e, Utah a a , r er en c s hic and s hire from t, North ervice	

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### SEER Incidence and US Death Rates<sup>a</sup> Cancer of the Stomach, Both Sexes Joinpoint Analyses for Whites and Blacks from 1975-2006 and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2006



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

- National Cancer Institute
- Regression lines are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the
- 1975-2006 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2006 allow a maximum of 2 joinpoints.
- <sup>b</sup> API = Asian/Pacific Islander.
- c AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- <sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Cancer Institu

#### Table 25.10 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> Rate 2002-2006 Rate per 100,000 persons	SEER 13 Areas <sup>b</sup> Trend 1997-2006° AAPC (%)	SEER 9 Areas <sup>b</sup> Trend 1997-2006 <sup>d</sup> AAPC (%)
	Males	Males	Males
RACE/ETHNICITY			
All Races	5.4	1.0*	0.7*
White	6.3	1.2*	1.0*
White Hispanic <sup>e</sup>	4.1	1.8*	-
White Non-Hispanic <sup>e</sup>	7.1	1.6*	-
Black	1.3	-1.3	2.2*
Asian/Pacific Islander	1.7	0.5	-
Amer Ind/Alaska Nat <sup>f</sup>	4.6	-	-
Hispanic <sup>e</sup>	4.0	1.9*	-
U.S. Mortality <sup>g</sup>	Rate 2002-2006	Trend 1997-2006 <sup>h</sup>	

	Rate per 100,000 persons	AAPC (%)
	Males	Males
RACE/ETHNICITY		
All Races	0.3	-0.8*
White	0.3	-0.9*
White Hispanic <sup>e</sup>	0.3	-0.9
White Non-Hispanic <sup>e</sup>	0.3	-0.9*
Black	0.2	1.5
Asian/Pacific Islander	0.1	-
Amer Ind/Alaska Nat		
Total U.S.	-	-
CHSDA Counties	-	-
Non-CHSDA Counties	-	-
Hispanic <sup>e</sup>	0.3	-0.6

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute. Statistic not shown. Rate based on less than 16 cases for the time interval.

Trend based on less than 10 cases for at least one year within the time interval.

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

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

с The 1997-2006 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2006.

d The 1997-2006 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over diagnosis years 1975-2006.

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 ρ are based on NHIA and exclude cases from the Alaska Native Registry. The 2002-2006 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, Minnesota, New Hampshire and North Dakota. The 1997-2006 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. q

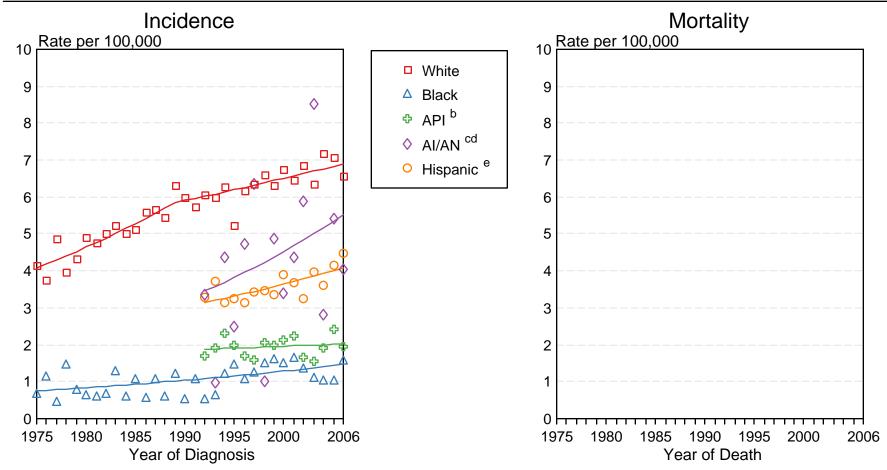
US Mortality Files, National Center for Health Statistics, CDC. h

The 1997-2006 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2006. 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 1975-2006

and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2006



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.

- a Rates are age-adjusted to the 2000 US Std Population (19 age groups Census P25-1103). Regression lines are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2006 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2006 allow a maximum of 2 joinpoints.
- <sup>b</sup> API = Asian/Pacific Islander.
- c AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- d Joinpoint could not fit a regression line for American Indian/Alaska Native Mortality due to insufficient data.
- e Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

#### Table 26.12 Cancer of the Thyroid (Invasive)

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

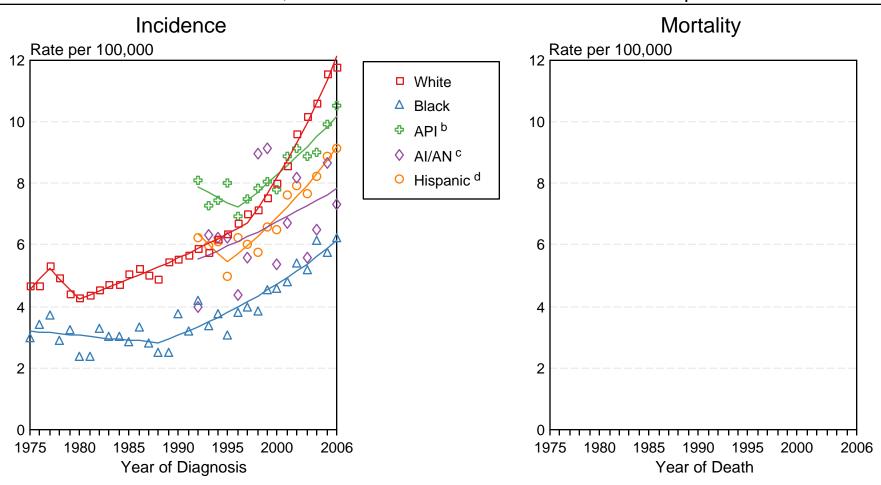
SEER Incidence	Rate 2002-2006 Rate per 100,000 persons		006		ER 13 Ar d 1997- AAPC (%	2006°	SEER 9 Areas <sup>b</sup> Trend 1997-2006 <sup>d</sup> AAPC (%)			
RACE/ETHNICITY		Males	Females		Males	Females		Males	Females	
All Races	9.6	4.9	14.2	5.8*	5.0*	6.0*	6.2*	5.4*	6.0*	
White	10.1	5.2	15.0	6.1*	5.3*	6.4*	6.7*	5.7*	6.6*	
White Hispanic <sup>e</sup> White Non-Hispanic <sup>e</sup>	8.4 10.7	3.7 5.7	13.3 15.7	4.7* 6.4*	3.0* 6.0*	5.2* 6.3*	-	_	-	
Black	5.8	2.7	8.4	6.4*	6.0*	5.7*	4.4*	2.3*	4.7*	
Asian/Pacific Islander	9.4	4.2	14.2	3.5*	1.0	2.9*	_	-	_	
Amer Ind/Alaska Nat $^{\rm f}$	5.8	3.0	8.5	2.5	-	-	-	-	-	
Hispanic <sup>e</sup>	8.2	3.5	12.9	4.9*	3.2*	5.6*	-	-	-	
U.S. Mortality <sup>g</sup>				_	1 4 4 4 5 5	o o o ch				
	Rate 2002-2006 Rate per 100,000 persons			d 1997- AAPC (%						
	Total		Females	Total		Females				
RACE/ETHNICITY										
All Races	0.5	0.5	0.5	0.6*	1.4*	0.7*				
White	0.5	0.5	0.5	0.6*	1.6*	0.6*				
White Hispanic <sup>e</sup>	0.6	0.6	0.6	-0.4	3.3*	-2.1*				
White Non-Hispanic <sup>e</sup>	0.5	0.5	0.5	0.8*	1.6*	0.8*				
Black	0.5	0.3	0.5	0.9	0.9	1.1				
Asian/Pacific Islander	0.6	0.4	0.7	-2.4*	-	-2.6*				
Amer Ind/Alaska Nat										
Total U.S. CHSDA Counties	0.3 0.4	-	-	-	-	-				
Non-CHSDA Counties	-	-	_	_	_	-				
Hispanic <sup>e</sup>	0.6	0.6	0.6	-0.6	3.1*	-2.3*				
The AAPC is the Aven the Joinpoint Regres Statistic not shown. Trend based on less Rates are age-adjust are based on rates a The SEER 9 areas are and Atlanta. The SEER 13 areas co Native Registry and The SEER 17 areas co Louisiana and New Je The 1997-2006 AAPC e diagnosis years 1992 The 1997-2006 AAPC e diagnosis years 1975 Hispanic and Non-His Islanders, and Ameri are based on NHIA ar Non-Hispanic death n and North Dakota. Connecticut, the Dis Dakota, Oklahoma anc Incidence data for A Delivery Area) count US Mortality Files, The 1997-2006 mortal	sion Prog Rate bas than 10 c ed to the age-adjust San Fran omprise the rsey. 2-2006. spanic are can India d exclude the 1997-2 strict of d Vermont. American I: is. National	ram Ver ed on 1 ases fo 2000 U ed to t cisco, e SEER are bas are bas are bas not mu ns/Alas cases ude dea 006 His Columbi ndian/A Center	sion 3.3, A ess than 16 r at least S Std Popul he 2000 US Connecticut 9 areas plu 13 areas pl ed on a Joi tually excl ka Natives. from the Al ths from th panic and N a, Maine, M laska Nativ	pril 2008 cases fo one year ation (19 Std Popul , Detroit s San Jos us Califo npoint an npoint an usive fro Inciden aska Nati e Distric on-Hispan aryland, re are bas Statistic	<pre>, Nation r the t within age gr ation ( , Hawain e-Monten rnia ex alysis m white ce data ve Regin t of Co ic mort. Minneso ed on t s, CDC.</pre>	nal Cancer ime interva the time in oups - Cens 19 age grou i, Iowa, Ne rey, Los An cluding SF/ with up to with up to with up to s, blacks, for Hispan stry. The lumbia, Min ality trend ta, New Ham he CHSDA(Co	Institute 1. terval. us P25-11 ps - Cens w Mexico, geles, th SJM/LA, F 2 Joinpoi 4 Joinpoi Asian/Pac ics and N 2002-2006 nesota, N s exclude pshire, N ntract He	2. Sus P25- Seattl ne Alask Kentucky Ints ove Lints ove Lin	Frends (1130). e, Utah a a r, er er banics fic and oshire from t, North ervice	

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### SEER Incidence and US Death Rates<sup>a</sup> Cancer of the Thyroid, Both Sexes Joinpoint Analyses for Whites and Blacks from 1975-2006 and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2006



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

- Regression lines are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2006 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2006 allow a maximum of 2 joinpoints.
- <sup>b</sup> API = Asian/Pacific Islander.
- c Al/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- <sup>d</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

#### Table 27.12 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> Rate 2002-2006 Rate per 100,000 persons			SEER 13 Areas <sup>b</sup> Trend 1997-2006° AAPC (%)			SEER 9 Areas <sup>b</sup> Trend 1997-2006 <sup>d</sup> AAPC (%)		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
RACE/ETHNICITY									
All Races	21.0	37.1	9.3	-0.5	-0.2	-0.4*	-0.2	-0.2	-0.6
White	22.8	40.3	9.9	-0.5	-0.1	-0.9*	-0.1	-0.2	-0.7
White Hispanic <sup>e</sup>	11.7	20.2	5.4	-0.5	-0.6	-0.5	_	-	_
White Non-Hispanic <sup>e</sup>	24.3	42.9	10.5	-0.4	0.1	-0.8	-	-	-
Black	12.8	20.0	7.9	0.3	0.1	0.7	0.2	0.1	0.4
Asian/Pacific Islander	9.3	16.5	4.0	0.2	0.7*	-0.3	-	-	_
Amer Ind/Alaska Nat <sup>f</sup>	7.4	12.4	3.4	-	-	-	-	-	-
Hispanic <sup>e</sup>	11.4	19.8	5.3	-0.3	-0.4	-0.4	-	-	-
U.S. Mortality <sup>g</sup>	Rate 2002-2006 Rate per 100,000 persons			Trend 1997-2006 <sup>h</sup> AAPC (%)					
	-		-	m - + - 1					
RACE/ETHNICITY		Males	Females		Males	Females			
All Races	4.3	7.5	2.2	-0.2*	-0.2	-0.6*			
White	4.5	7.9	2.2	0.0	-0.3*	-0.4*			
White Hispanic <sup>e</sup>	2.4	4.0	1.4	-0.4	-1.0*	0.2			
White Non-Hispanic <sup>e</sup>	4.7	8.2	2.3	0.4*	0.3	-0.2			
Black	3.7	5.5	2.8	-1.2*	-1.3*	-1.1*			
Asian/Pacific Islander	1.7	2.7	1.0	-1.4*	-0.9	-1.8			
Amer Ind/Alaska Nat									
Total U.S.	1.8	2.6	1.2	1.3	-	-			
CHSDA Counties	1.8	2.7	1.1	-	-	-			
Non-CHSDA Counties	1.8	2.5	1.2	-	-	-			
Hispanic <sup>e</sup>	2.4	3.9	1.3	-0.4	-1.0*	0.2			
The AAPC is the Ave the Joinpoint Regre Statistic not shown Trend based on less Rates are age-adjus are based on rates. The SEER 9 areas are and Atlanta. The SEER 13 areas c Native Registry and The SEER 17 areas c Louisiana and New J The 1997-2006 AAPC diagnosis years 199 The 1997-2006 AAPC diagnosis years 197 Hispanic and Non-Hi Islanders, and Amer are based on NHIA a	ssion Prog . Rate bas than 10 c ted to the age-adjust e San Fran omprise th Rural Gec omprise th ersey. estimates 2-2006. spanic are ican India	gram Ver sed on 1 asses fo 2000 U ed to t ccisco, he SEER are SEER are bas are bas are bas	sion 3.3, A ess than 16 r at least S Std Popul he 2000 US Connecticut 9 areas plu 13 areas pl ed on a Joi ed on a Joi tually excl ka Natives.	April 2008 5 cases for one year lation (11 Std Popul c, Detroit as San Jos lus Califor inpoint an inpoint an lusive fro Inciden	3, Nation or the t. within ) age gru- lation ( c, Hawai se-Monte: prnia ex- halysis halysis pom white: hace data	nal Cancer ime interva- the time ir oups - Cens 19 age grou i, Iowa, Ne rey, Los Ar cluding SF/ with up to with up to s, blacks, for Hispar	Institute al. hterval. sus P25-1: ups - Cens ew Mexico ngeles, th /SJM/LA, h 2 Joinpo: 4 Joinpo: Asian/Pac hics and h	e. 130). T sus P25- , Seattl ne Alask Kentucky ints ove ints ove cific Non-Hisp	Prends 1130). e, Utah a r, pr anics

are based on NHIA and exclude cases from the Alaska Native Registry. The 2002-2006 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, Minnesota, New Hampshire and North Dakota. The 1997-2006 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>g</sup> US Mortality Files, National Center for Health Statistics, CDC. <sup>h</sup> The 1997-2006 mortality APPCs are based on a Joinpoint analysis

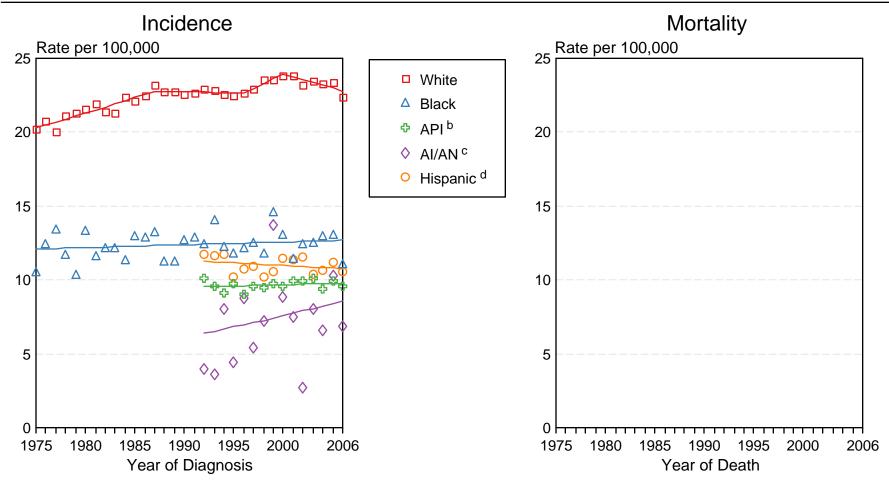
The 1997-2006 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2006. The APC is significantly different from zero (p<.05).

a b

c d e

## SEER Incidence and US Death Rates<sup>a</sup> Cancer of the Urinary Bladder, Both Sexes Joinpoint Analyses for Whites and Blacks from 1975-2006

and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2006



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).

<sup>b</sup> API = Asian/Pacific Islander. c Al/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

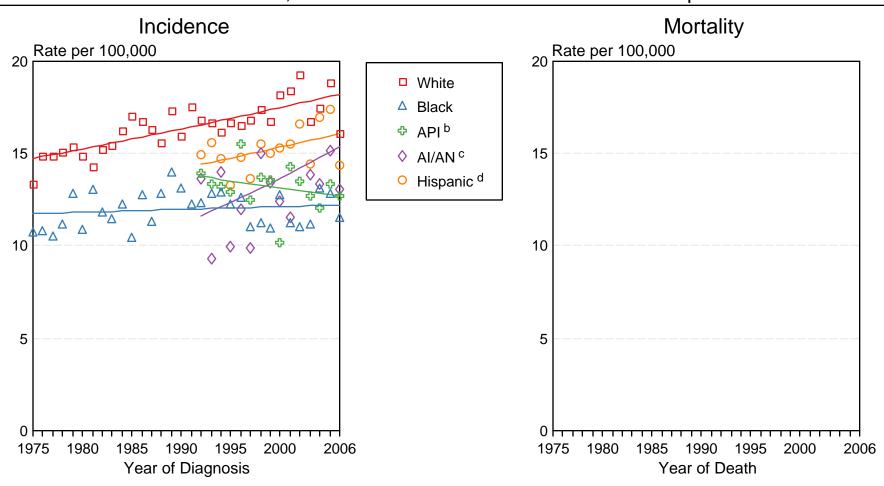
d Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, Maine, Maryland, Minnesota,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

Regression lines are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the

1975-2006 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2006 allow a maximum of 2 joinpoints.

Cancer Statistics Review 1975-2006

### SEER Incidence and US Death Rates<sup>a</sup> All Cancer Sites, Ages <20, Both Sexes Joinpoint Analyses for Whites and Blacks from 1975-2006 and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2006



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.

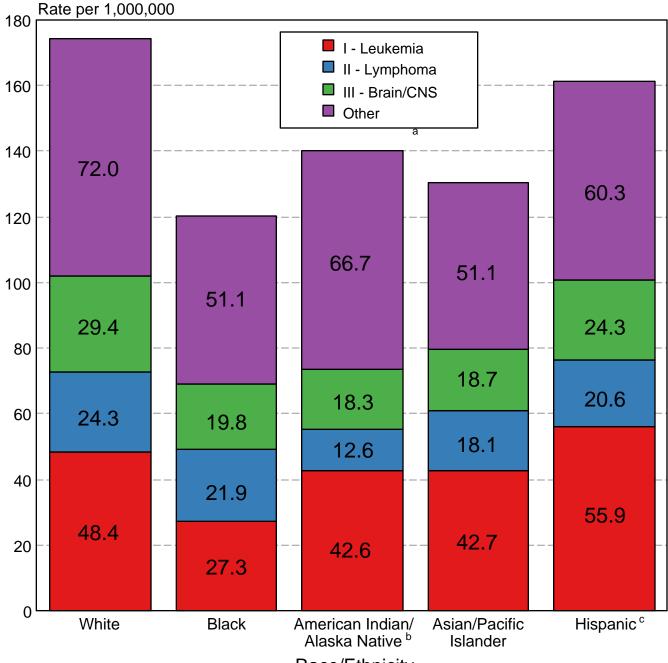
- National Cancer Institute

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

Regression lines are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2006 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2006 allow a maximum of 2 joinpoints.

- <sup>b</sup> API = Asian/Pacific Islander.
- c Al/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- d Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

Childhood Cancer: SEER Incidence Rates 2002-2006 by ICCC Group (includes Group III benign brain (2004-2006) and myelodysplastic syndromes) and Race/Ethnicity Both Sexes, Under 20 Years of Age



### Race/Ethnicity

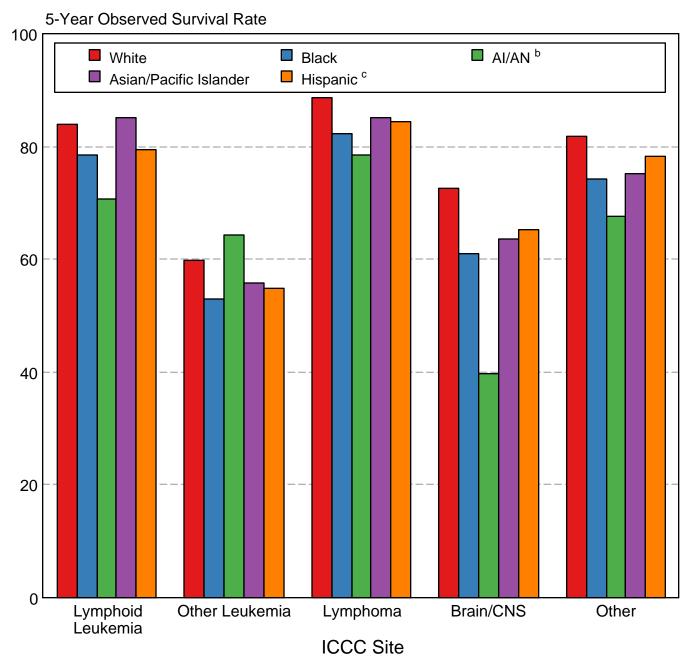
Source: SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, and New Jersey). Incidence rates are age-adjusted to the 2000 US Std 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 2004-2006.

- <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.

### Childhood Cancer: SEER Survival Rates 1999-2005 5-Year Observed Survival Rates by ICCC Group<sup>a</sup> 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). 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 1999-2005. 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 is based on ICD-O-3. Stellarova-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> Excludes myelodysplastic sydromes (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.