Table 1.23 Age-Adjusted SEER Incidence Rates and Trends for the Top 15 Cancer Sites by Race/Ethnicity Both Sexes

White

Black

	.005		WIII			Diac	17	
	Rate ^b	APC ^c		Rate ^b	APC°		Rate ^b	APC ^c
All Sites	2013-2017 442.4	<u>2008-2017</u> -1.1*	All Sites	2013-2017 452.1	-1.1*	All Sites	2013-2017 440.4	<u>2008-2017</u> -1.6*
Breast	68.9	0.0	Breast	452.1 69.5	-1.1° -0.2	Prostate ^f	74.4	-1.6° -4.2*
	54.2	-2.2*		56.0	-0.2 -2.2*	Breast	74.4	0.2
Lung and Bronchus Prostate ^f	54.2 50.2	-2.2^ -4.3*	Lung and Bronchus Prostate ^f	56.0 47.3	-2.2^ -4.8*		71.3 54.8	0.2 -2.7*
						Lung and Bronchus		
Colon and Rectum	38.2	-2.3*	Colon and Rectum	37.8	-2.2*	Colon and Rectum	43.6	-3.0*
Melanoma of the Skin	22.7	1.2*	Melanoma of the Skin	27.2	1.3*	Kidney and Renal Pelvis	17.5	0.1
Urinary Bladder	20.0	-1.4*	Urinary Bladder	22.0	-1.4*	Corpus and Uterus, NOS ^f	15.9	1.5*
Non-Hodgkin Lymphoma	19.6	-0.8*	Non-Hodgkin Lymphoma	20.6	-0.8*	Pancreas	15.3	0.1
Kidney and Renal Pelvis		0.4*	Kidney and Renal Pelvis		0.5*	Non-Hodgkin Lymphoma	14.7	-0.5*
Thyroid	15.7	1.0	Thyroid	16.4	0.7	Myeloma	13.8	0.3
Corpus and Uterus, NOS ^f		0.9*	Leukemia	15.0	-0.4	Urinary Bladder	11.8	-0.8*
Leukemia	14.1	-0.3	Corpus and Uterus, NOS ^t		0.6*	Leukemia	10.8	0.3
Pancreas	13.1	0.5*	Pancreas	13.1	0.5*	Liver & IBD ^g	10.7	0.7
Oral Cavity and Pharynx		0.5*	Oral Cavity and Pharynx		0.6*	Stomach	10.1	-2.1*
Liver & IBD ^g	9.0	1.4*	Liver & IBD ^g	8.1	1.9*	Thyroid	9.5	1.3
Stomach	7.3	-0.8*	Brain and ONS ^g	7.1	-0.7*	Oral Cavity and Pharynx	8.5	-1.2*
Asian/Pacifi	c Islander		American Indian/	'Alaska Nat	ive ^d	Hispan	ic ^e	
	Rate ^b 2013-2017	APC ^c 2008-2017		Rate ^b 2013-2017	APC ^c 2008-2017		Rate ^b 2013-2017	APC° 2008-2017
All Sites	302.1	-0.8*	All Sites	310.1	-1.0*	All Sites	348.4	-1.1*
Breast	56.3	1.2*	Breast	42.7	-0.5	Breast	53.2	0.4
Lung and Bronchus	36.2	-1.1*	Colon and Rectum	39.0	-1.1	Prostate ^f	40.7	-5.5*
Colon and Rectum	31.8	-2.5*	Lung and Bronchus	38.1	-1.8*	Colon and Rectum	33.7	-1.8*
Prostate ^f	25.1	-4.9*	Prostate ^f	24.3	-5.4*	Lung and Bronchus	29.0	-2.2*
Thyroid	15.8	1.2*	Kidney and Renal Pelvis		-0.3	Non-Hodgkin Lymphoma	18.1	-0.4*
Non-Hodgkin Lymphoma	13.5	-0.5	Liver & IBD ^g	14.9	1.2	Kidney and Renal Pelvis	16.1	1.0*
Liver & IBDg	12.9	-2.2*	Non-Hodgkin Lymphoma	10.9	-3.3*	Thyroid	14.2	2.3*
Corpus and Uterus, NOS ^f		1.9*	Corpus and Uterus, NOS ^f		-0.8	Liver & IBD ^g	13.7	0.6
Stomach	10.6	-2.6*	Pancreas	10.0	1.1	Corpus and Uterus, NOSf	13.1	2.1*
Pancreas	10.0	0.3	Urinary Bladder	9.6	1.6	Pancreas	11.6	0.1
Urinary Bladder	8.9	-0.9*	Thyroid	9.3	2.3*	Urinary Bladder	11.0	-1.5*
Kidney and Renal Pelvis		0.8	Stomach	8.4	-1.3	Leukemia	10.9	-0.6
		0.8	Oral Cavity and Pharynx		-1.3 -0.4	Stomach	10.9	-0.6 -1.2*
Oral Cavity and Pharynx					-11 4	ar omach	TU.5	-1.Z^
Toulsomia								
Leukemia Ovary ^{fh}	8.0 5.1	-0.4 -1.0	Leukemia Myeloma	8.1 5.7	-0.8 2.9	Oral Cavity and Pharynx Myeloma		-1.2* 0.2

Source: SEER 21 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, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts).

- Top 15 cancer sites selected based on 2013-2017 age-adjusted rates for the race/ethnic group.
- Rates are per 100,000 and 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.
- 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 Purchased/Referred Care Delivery Area (PRCDA) 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.
- f
- The rates for sex-specific cancer sites are calculated using the population for both sexes combined.
- IBD = Intrahepatic Bile Duct. ONS = Other Nervous System.
- Ovary excludes borderline cases or histologies 8442, 8451, 8462, 8472, and 8473.
- The APC is significantly different from zero (p<.05).

All Races

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

Table 1.24 Age-Adjusted SEER Incidence Rates and Trends for the Top 15 Cancer Sites by Race/Ethnicity Males

All Rac	ces		Whit	е		Blac	k	
	Rate ^b 2013-2017	APC° 2008-2017		Rate ^b 2013-2017	APC° 2008-2017		Rate ^b 2013-2017	APC° 2008-2017
All Sites	480.3	-1.9*	All Sites	485.5	-1.9*	All Sites	515.1	-2.7*
Prostate	109.8	-4.5*	Prostate	102.3	-5.0*	Prostate	175.2	-4.5*
Lung and Bronchus	61.7	-2.9*	Lung and Bronchus	62.2	-2.9*	Lung and Bronchus	71.2	-3.5*
Colon and Rectum	43.7	-2.4*	Colon and Rectum	43.0	-2.4*	Colon and Rectum	51.3	-3.0*
Urinary Bladder	34.9	-1.6*	Urinary Bladder	38.2	-1.6*	Kidney and Renal Pelvis	24.5	0.1
Melanoma of the Skin	29.3	1.1*	Melanoma of the Skin	34.6	1.2*	Urinary Bladder	19.7	-1.1*
Non-Hodgkin Lymphoma	23.8	-0.8*	Non-Hodgkin Lymphoma	25.0	-0.8*	Liver & IBD ^f	17.7	0.7
Kidney and Renal Pelvis	22.4	0.4	Kidney and Renal Pelvis	23.0	0.4	Non-Hodgkin Lymphoma	17.7	-1.0*
Leukemia	18.1	-0.4	Leukemia	19.2	-0.5	Pancreas	16.9	-0.1
Oral Cavity and Pharynx	17.2	0.6*	Oral Cavity and Pharynx	18.1	0.8*	Myeloma	16.5	0.2
Pancreas	14.9	0.5*	Pancreas	15.0	0.6*	Stomach	13.8	-2.3*
Liver & IBD ^f	13.8	1.1*	Liver & IBD ^f	12.4	1.5*	Leukemia	13.6	-0.1
Stomach	9.9	-1.3*	Stomach	8.9	-1.4*	Oral Cavity and Pharynx	13.3	-1.3*
Myeloma	8.8	0.6	Thyroid	8.6	1.4*	Larynx	7.3	-3.1*
Thyroid	8.1	1.5*	Brain and ONS ^f	8.3	-0.8*	Esophagus	6.1	-4.5*
Brain and ONS ^f	7.5	-0.8*	Myeloma	8.2	0.5	Brain and ONS ^f	4.5	-1.1
Asian/Pacific	: Islander		American Indian/	Alaska Nat:	ive ^d	Hispanic ^e		
	Rateb	APC°		Rateb	APC°		Rateb	APC°
	2013-2017	2008-2017		2013-2017	2008-2017		2013-2017	2008-2017
All Sites	304.4	-1.9*	All Sites	321.0	-1.6*	All Sites	370.4	-2.5*
Prostate	56.7	-5.0*	Prostate	54.6	-5.4*	Prostate	92.0	-5.8*
Lung and Bronchus	46.2	-1.9*	Lung and Bronchus	43.5	-2.6*	Colon and Rectum	39.6	-2.5*
Colon and Rectum	37.9	-2.2*	Colon and Rectum	40.4	-2.4*	Lung and Bronchus	35.1	-3.2*
Liver & IBD ^f	19.9	-2.1*	Kidney and Renal Pelvis	22.9	-0.8	Kidney and Renal Pelvis	21.4	0.8
Non-Hodgkin Lymphoma	16.5	-0.5	Liver & IBD ^f	21.6	1.4	Non-Hodgkin Lymphoma	20.9	-0.6
Urinary Bladder	15.7	-0.9*	Urinary Bladder	16.3	0.5	Liver & IBD ^f	20.3	0.1
Stomach	14.1	-2.5*	Pancreas	12.9	2.8	Urinary Bladder	19.3	-1.6*
Kidney and Renal Pelvis	12.5	0.6	Oral Cavity and Pharynx	11.7	-0.3	Leukemia	13.2	-0.7
Oral Cavity and Pharynx	12.1	0.1	Stomach	11.1	-1.8	Stomach	13.1	-2.2*
Pancreas	11.0	0.3	Non-Hodgkin Lymphoma	10.8	-5.2*	Pancreas	12.5	0.0
Leukemia	9.9	-0.3	Leukemia	10.7	1.2	Oral Cavity and Pharynx	10.0	-1.4
Thyroid	7.9	2.8*	Myeloma	6.7		Myeloma	8.2	-0.1
Myeloma	5.0	0.1	Esophagus	6.2	_	Thyroid	5.9	3.0*
Brain and ONSf	4.5	0.0	Melanoma of the Skin	5.9	_	Brain and ONSf	5.9	-0.7
Esophagus	3.7	-0.4	Testis	5.2	1.3	Testis	5.4	2.0*

Source: SEER 21 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, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts).

- Top 15 cancer sites selected based on 2013-2017 age-adjusted rates for the race/ethnic group.
- Rates are per 100,000 and 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.
- 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 Purchased/Referred Care Delivery Area (PRCDA) 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.
- 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.

Urinary Bladder

Table 1.25

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

Females

All Ra	ces		Whit	e		Blac	!k	
	Rate ^b 2013-2017	APC ^c 2008-2017		Rate ^b 2013-2017	APC ^c 2008-2017		Rate ^b 2013-2017	APC ^c 2008-2017
All Sites	418.3	-0.3*	All Sites	432.0	-0.4*	All Sites	390.7	-0.4*
Breast	128.5	0.2	Breast	131.3	0.0	Breast	124.8	0.3
Lung and Bronchus	48.6	-1.5*	Lung and Bronchus	51.5	-1.5*	Lung and Bronchus	43.8	-2.0*
Colon and Rectum	33.6	-2.2*	Colon and Rectum	33.3	-2.0*	Colon and Rectum	38.2	-3.0*
Corpus and Uterus, NOS	27.8	1.0*	Corpus and Uterus, NOS	28.3	0.7*	Corpus and Uterus, NOS	27.9	1.7*
Thyroid	23.1	0.8	Thyroid	24.3	0.6	Thyroid	14.3	1.5
Melanoma of the Skin	17.8	1.3*	Melanoma of the Skin	21.7	1.4*	Pancreas	14.1	0.3
Non-Hodgkin Lymphoma	16.2	-0.8*	Non-Hodgkin Lymphoma	17.0	-0.9*	Non-Hodgkin Lymphoma	12.5	0.0
Pancreas	11.6	0.4*	Ovary ^g	11.7	-2.4*	Kidney and Renal Pelvis	12.2	-0.2
Ovary ^g	11.2	-2.1*	Leukemia	11.6	-0.4	Myeloma	12.0	0.3
Kidney and Renal Pelvis	11.1	0.3	Pancreas	11.6	0.4	Ovary ^g	9.1	-1.4*
Leukemia	11.0	-0.3	Kidney and Renal Pelvis	11.4	0.4	Leukemia	8.9	0.7
Urinary Bladder	8.6	-1.5*	Urinary Bladder	9.4	-1.5*	Cervix Uteri	8.7	-2.4*
Cervix Uteri	7.4	-0.7	Cervix Uteri	7.2	-0.7	Stomach	7.6	-2.1*
Oral Cavity and Pharynx	6.4	0.1	Oral Cavity and Pharynx	6.6	0.2	Urinary Bladder	6.5	-0.4
Myeloma	5.7	0.6*	Brain and ONS ^f	6.0	-0.6	Liver & IBD ^f	5.4	0.8
Asian/Pacific	c Islander		American Indian/Alaska Natived			Hispan	ic ^e	
	Rateb	APCc		Rateb	APC°		Rateb	APC°
	2013-2017	2008-2017		2013-2017	2008-2017		2013-2017	2008-2017
All Sites	304.7	0.0	All Sites	305.9	-0.4	All Sites	339.5	0.2
Breast	102.9	1.2*	Breast	79.5	-0.5	Breast.	99.1	0.6*
Lung and Bronchus	28.6	-0.2	Colon and Rectum	37.9	0.0	Colon and Rectum	29.2	-1.1*
Colon and Rectum	26.8	-3.0*	Lung and Bronchus	34.3	-1.0	Lung and Bronchus	24.8	-1.2*
Thyroid	22.7	0.8	Corpus and Uterus, NOS	19.9	-0.8	Corpus and Uterus, NOS	24.6	2.4*
Corpus and Uterus, NOS	21.7	1.9*	Thyroid	14.5	2.6*	Thyroid	22.3	2.3*
Non-Hodgkin Lymphoma	11.1	-0.6	Kidney and Renal Pelvis		-0.1	Non-Hodgkin Lymphoma	15.9	-0.2
Ovary ^g	9.5	-1.0	Non-Hodgkin Lymphoma	10.9	-1.2	Kidney and Renal Pelvis		1.1*
Pancreas	9.2	0.2	Liver & IBD ^f	9.0	0.7	Pancreas	10.8	0.2
Stomach	8.0	-2.9*	Ovary ^g	8.4	-3.2	Ovary ^g	10.4	-0.9*
Liver & IBD ^f	7.2	-2.5*	Cervix Uteri	7.9	0.4	Cervix Uteri	9.2	-1.9*
Leukemia	6.5	-0.8	Pancreas	7.8	-0.6	Leukemia	9.1	-0.6
Cervix Uteri	6.5	-0.5	Stomach	6.2	-1.1	Stomach	8.6	-0.2
Kidney and Renal Pelvis		1.0	Leukemia	6.0	-3.4	Liver & IBD ^f	8.1	1.6*
Oral Cavity and Pharynx		1.0	Myeloma	5.0	-0.2	Myeloma	5.7	0.3

Source: SEER 21 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, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts).

5.0

Urinary Bladder

5.0

-1.9*

- Top 15 cancer sites selected based on 2013-2017 age-adjusted rates for the race/ethnic group.
- Parallel Rates are per 100,000 and age-adjusted to the 2000 US Std Population (19 age groups Census P25-1130).

Melanoma of the Skin

The APC is the Annual Percent Change over the time interval.

-1.6*

- 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 Purchased/Referred Care Delivery Area (PRCDA) counties.
- 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.

 IBD = Intrahepatic Bile Duct. ONS = Other Nervous System.
- Ovary excludes borderline cases or histologies 8442, 8451, 8462, 8472, and 8473.
- * The APC is significantly different from zero (p<.05).

3.8

- 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.

All Races

 ${\it Table~1.26}$ Age-Adjusted U.S. Death Rates and Trends for the Top 15 Cancer Sites by Race/Ethnicity ${\it Both~Sexes}$

White

Black

HII NU	CCD		WIII C					
	Rate ^b 2013-2017	APC ^c 2008-2017		Rate ^b 2013-2017	APC ^c 2008-2017		Rate ^b 2013-2017	APC ^c 2008-2017
All Sites	158.3	-1.6*	All Sites	159.0	-1.4*	All Sites	181.7	-2.1*
Lung and Bronchus	40.2	-3.2*	Lung and Bronchus	41.0	-3.1*	Lung and Bronchus	42.3	-3.6*
Colon and Rectum	13.9	-2.1*	Colon and Rectum	13.6	-2.0*	Colon and Rectum	18.5	-2.8*
Breast	11.3	-1.6*	Pancreas	10.9	0.3*	Breast	16.2	-1.7*
Pancreas	11.0	0.2	Breast	10.9	-1.6*	Prostate ^f	14.0	-3.0*
Prostate ^f	7.8	-1.5*	Prostate ^f	7.4	-1.3*	Pancreas	13.3	-0.3*
Liver & IBD ^g	6.6	2.0*	Leukemia	6.7	-1.5*	Liver & IBD ^g	8.4	1.4*
Leukemia	6.4	-1.6*	Liver & IBD ^g	6.2	2.3*	Myeloma	6.2	-0.4
Non-Hodgkin Lymphoma	5.5	-2.2*	Non-Hodgkin Lymphoma	5.7	-2.1*	Leukemia	5.4	-2.0*
Brain and ONS ^g	4.4	0.5*	Brain and ONS ^g	4.8	0.6*	Stomach	5.3	-3.4*
Urinary Bladder	4.4	-0.3*	Urinary Bladder	4.6	-0.1	Corpus and Uterus, NOS ^f		2.0*
Esophagus	3.9	-1.1*	Esophagus	4.2	-0.6*	Non-Hodgkin Lymphoma	4.0	-1.6*
Ovary ^f	3.8	-2.4*	Ovary ^f	3.9	-2.5*	Kidney and Renal Pelvis		-1.3*
Kidney and Renal Pelvis		-1.2*	Kidney and Renal Pelvis		-1.0*	Ovary ^f	3.5	-2.1*
Myeloma	3.3	-0.4	Myeloma	3.0	-0.4	Urinary Bladder	3.5	-0.3
Stomach	3.1	-2.0*	Melanoma of the Skin	2.8	-2.6*	Esophagus	3.2	-4.6*
Asian/Pacific	c Islander		American Indian/	Alaska Nati	ive ^d	Hispan	ıic ^e	
	Rateb	APC°		Rateb	APC ^e		Rateb	APC°
	2013-2017			2013-2017	2008-2017		2013-2017	
All Sites	98.9	-1.4*	All Sites	144.2	-1.4*	All Sites	112.3	-1.2*
Lung and Bronchus	22.2							
Colon and Rectum		-2.3*	Lung and Bronchus	33.4	-3.2*	Lung and Bronchus	17.6	-3.1*
	9.6	-2.3*	Colon and Rectum	15.8	-1.8	Colon and Rectum	11.1	-1.9*
Liver & IBD ^g	9.1	-2.3* -1.6*	Colon and Rectum Liver & IBD ^g	15.8 10.6	-1.8 2.0*	Colon and Rectum Liver & IBD ^g	11.1 9.3	-1.9* 0.9*
Pancreas	9.1 7.6	-2.3* -1.6* -0.4	Colon and Rectum Liver & IBD ^g Pancreas	15.8 10.6 8.9	-1.8 2.0* 1.0	Colon and Rectum Liver & IBD ^g Pancreas	11.1 9.3 8.5	-1.9* 0.9* -0.2
Pancreas Breast	9.1 7.6 6.4	-2.3* -1.6* -0.4 0.1	Colon and Rectum Liver & IBD ^g Pancreas Breast	15.8 10.6 8.9 8.1	-1.8 2.0* 1.0 0.3	Colon and Rectum Liver & IBD ^g Pancreas Breast	11.1 9.3 8.5 7.8	-1.9* 0.9* -0.2 -1.0*
Pancreas Breast Stomach	9.1 7.6 6.4 5.2	-2.3* -1.6* -0.4 0.1 -2.9*	Colon and Rectum Liver & IBD ^g Pancreas Breast Prostate ^f	15.8 10.6 8.9 8.1 7.7	-1.8 2.0* 1.0 0.3 -1.3	Colon and Rectum Liver & IBD ^g Pancreas Breast Prostate ^f	11.1 9.3 8.5 7.8 6.4	-1.9* 0.9* -0.2 -1.0* -1.8*
Pancreas Breast Stomach Non-Hodgkin Lymphoma	9.1 7.6 6.4 5.2 3.8	-2.3* -1.6* -0.4 0.1 -2.9* -1.5*	Colon and Rectum Liver & IBD ^g Pancreas Breast Prostate ^f Kidney and Renal Pelvis	15.8 10.6 8.9 8.1 7.7 5.5	-1.8 2.0* 1.0 0.3 -1.3 -3.5*	Colon and Rectum Liver & IBD ^g Pancreas Breast Prostate ^f Stomach	11.1 9.3 8.5 7.8 6.4 5.0	-1.9* 0.9* -0.2 -1.0* -1.8* -1.7*
Pancreas Breast Stomach Non-Hodgkin Lymphoma Leukemia	9.1 7.6 6.4 5.2 3.8 3.6	-2.3* -1.6* -0.4 0.1 -2.9* -1.5* -1.7*	Colon and Rectum Liver & IBD ^g Pancreas Breast Prostate ^f Kidney and Renal Pelvis Stomach	15.8 10.6 8.9 8.1 7.7 5.5 4.8	-1.8 2.0* 1.0 0.3 -1.3 -3.5*	Colon and Rectum Liver & IBD ^g Pancreas Breast Prostate ^f Stomach Non-Hodgkin Lymphoma	11.1 9.3 8.5 7.8 6.4 5.0 4.7	-1.9* 0.9* -0.2 -1.0* -1.8* -1.7* -2.0*
Pancreas Breast Stomach Non-Hodgkin Lymphoma Leukemia Prostate ^f	9.1 7.6 6.4 5.2 3.8 3.6 3.5	-2.3* -1.6* -0.4 0.1 -2.9* -1.5* -1.7* -1.4*	Colon and Rectum Liver & IBD ^g Pancreas Breast Prostate ^f Kidney and Renal Pelvis Stomach Non-Hodgkin Lymphoma	15.8 10.6 8.9 8.1 7.7 5.5 4.8 4.2	-1.8 2.0* 1.0 0.3 -1.3 -3.5* -1.1 -1.4	Colon and Rectum Liver & IBD ^g Pancreas Breast Prostate ^f Stomach Non-Hodgkin Lymphoma Leukemia	11.1 9.3 8.5 7.8 6.4 5.0 4.7 4.6	-1.9* 0.9* -0.2 -1.0* -1.8* -1.7* -2.0* -1.2*
Pancreas Breast Stomach Non-Hodgkin Lymphoma Leukemia Prostate ^f Ovary ^f	9.1 7.6 6.4 5.2 3.8 3.6 3.5	-2.3* -1.6* -0.4 0.1 -2.9* -1.5* -1.7* -1.4*	Colon and Rectum Liver & IBD ^g Pancreas Breast Prostate ^f Kidney and Renal Pelvis Stomach Non-Hodgkin Lymphoma Leukemia	15.8 10.6 8.9 8.1 7.7 5.5 4.8 4.2 4.0	-1.8 2.0* 1.0 0.3 -1.3 -3.5* -1.1 -1.4 -2.8	Colon and Rectum Liver & IBD ^g Pancreas Breast Prostate ^f Stomach Non-Hodgkin Lymphoma Leukemia Kidney and Renal Pelvis	11.1 9.3 8.5 7.8 6.4 5.0 4.7 4.6 3.5	-1.9* 0.9* -0.2 -1.0* -1.8* -1.7* -2.0* -1.2* -0.2
Pancreas Breast Stomach Non-Hodgkin Lymphoma Leukemia Prostate ^f Ovary ^f Brain and ONS ^g	9.1 7.6 6.4 5.2 3.8 3.6 2.5 2.5	-2.3* -1.6* -0.4 0.1 -2.9* -1.5* -1.4* -1.0 2.1*	Colon and Rectum Liver & IBD ^g Pancreas Breast Prostate ^f Kidney and Renal Pelvis Stomach Non-Hodgkin Lymphoma Leukemia Ovary ^f	15.8 10.6 8.9 8.1 7.7 5.5 4.8 4.2 4.0 3.5	-1.8 2.0* 1.0 0.3 -1.3 -3.5* -1.1 -1.4 -2.8 -0.7	Colon and Rectum Liver & IBD ^g Pancreas Breast Prostate ^f Stomach Non-Hodgkin Lymphoma Leukemia Kidney and Renal Pelvis Brain and ONS ^g	11.1 9.3 8.5 7.8 6.4 5.0 4.7 4.6 3.5 3.0	-1.9* 0.9* -0.2 -1.0* -1.8* -1.7* -2.0* -1.2* -0.2 1.2*
Pancreas Breast Stomach Non-Hodgkin Lymphoma Leukemia Prostate ^f Ovary ^f Brain and ONS ^g Oral Cavity and Pharynx	9.1 7.6 6.4 5.2 3.8 3.6 3.5 2.5 2.2	-2.3* -1.6* -0.4 0.1 -2.9* -1.5* -1.7* -1.4* -1.0 2.1* 0.6	Colon and Rectum Liver & IBD ^g Pancreas Breast Prostate ^f Kidney and Renal Pelvis Stomach Non-Hodgkin Lymphoma Leukemia Ovary ^f Esophagus	15.8 10.6 8.9 8.1 7.7 5.5 4.8 4.2 4.0 3.5 3.4	-1.8 2.0* 1.0 0.3 -1.3 -3.5* -1.1 -1.4 -2.8 -0.7 -0.2	Colon and Rectum Liver & IBD ^g Pancreas Breast Prostate ^f Stomach Non-Hodgkin Lymphoma Leukemia Kidney and Renal Pelvis Brain and ONS ^g Ovary ^f	11.1 9.3 8.5 7.8 6.4 5.0 4.7 4.6 3.5 3.0 2.9	-1.9* 0.9* -0.2 -1.0* -1.8* -1.7* -2.0* -1.2* -0.2 1.2* -1.7*
Pancreas Breast Stomach Non-Hodgkin Lymphoma Leukemia Prostate ^f Ovary ^f Brain and ONS ^g Oral Cavity and Pharynx Corpus and Uterus, NOS ^f	9.1 7.6 6.4 5.2 3.8 3.6 3.5 2.5 2.2 2.0 1.8	-2.3* -1.6* -0.4 0.1 -2.9* -1.5* -1.7* -1.4* -1.0 2.1* 0.6 2.9*	Colon and Rectum Liver & IBD ^g Pancreas Breast Prostate ^f Kidney and Renal Pelvis Stomach Non-Hodgkin Lymphoma Leukemia Ovary ^f Esophagus Myeloma	15.8 10.6 8.9 8.1 7.7 5.5 4.8 4.2 4.0 3.5 3.4	-1.8 2.0* 1.0 0.3 -1.3 -3.5* -1.1 -1.4 -2.8 -0.7 -0.2 1.9	Colon and Rectum Liver & IBD ^g Pancreas Breast Prostate ^f Stomach Non-Hodgkin Lymphoma Leukemia Kidney and Renal Pelvis Brain and ONS ^g Ovary ^f Myeloma	11.1 9.3 8.5 7.8 6.4 5.0 4.7 4.6 3.5 3.0 2.9 2.7	-1.9* 0.9* -0.2 -1.0* -1.8* -1.7* -2.0* -1.2* -0.2 1.2* -1.7* -0.4
Pancreas Breast Stomach Non-Hodgkin Lymphoma Leukemia Prostate ^f Ovary ^f Brain and ONS ^g Oral Cavity and Pharynx	9.1 7.6 6.4 5.2 3.8 3.6 3.5 2.5 2.2 2.0 1.8	-2.3* -1.6* -0.4 0.1 -2.9* -1.5* -1.7* -1.4* -1.0 2.1* 0.6	Colon and Rectum Liver & IBD ^g Pancreas Breast Prostate ^f Kidney and Renal Pelvis Stomach Non-Hodgkin Lymphoma Leukemia Ovary ^f Esophagus	15.8 10.6 8.9 8.1 7.7 5.5 4.8 4.2 4.0 3.5 3.4	-1.8 2.0* 1.0 0.3 -1.3 -3.5* -1.1 -1.4 -2.8 -0.7 -0.2	Colon and Rectum Liver & IBD ^g Pancreas Breast Prostate ^f Stomach Non-Hodgkin Lymphoma Leukemia Kidney and Renal Pelvis Brain and ONS ^g Ovary ^f	11.1 9.3 8.5 7.8 6.4 5.0 4.7 4.6 3.5 3.0 2.9 2.7 2.3	-1.9* 0.9* -0.2 -1.0* -1.8* -1.7* -2.0* -1.2* -0.2 1.2* -1.7*

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

- Top 15 cancer sites selected based on 2013-2017 age-adjusted rates for the race/ethnic group.
- Rates are per 100,000 and 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.
- 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 Purchased/Referred Care Delivery Area (PRCDA) counties.
- e Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives.
- f The rates for sex-specific cancer sites are calculated using the population for both sexes combined.
- 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.

 ${\it Table 1.27} \\ {\it Age-Adjusted U.S. Death Rates and Trends for the Top 15 Cancer Sitesa by Race/Ethnicity } \\ {\it Males}$

All Ra	ces		Whit	e		Black			
	$\mathtt{Rate}^\mathtt{b}$	APCc		Rateb	APCc		Rateb	APC ^c	
	2013-2017	2008-2017		2013-2017	2008-2017		2013-2017	2008-2017	
All Sites	189.5	-1.8*	All Sites	189.6	-1.7*	All Sites	227.3	-2.7*	
Lung and Bronchus	49.3	-3.8*	Lung and Bronchus	49.4	-3.7*	Lung and Bronchus	58.8	-4.3*	
Prostate	19.1	-2.2*	Prostate	17.9	-2.0*	Prostate	37.9	-3.7*	
Colon and Rectum	16.6	-2.2*	Colon and Rectum	16.2	-2.2*	Colon and Rectum	23.2	-2.8*	
Pancreas	12.7	0.3*	Pancreas	12.7	0.4*	Pancreas	14.9	-0.2	
Liver & IBD ^f	9.6	1.7*	Liver & IBD ^f	9.0	2.0*	Liver & IBD ^f	13.2	1.1*	
Leukemia	8.6	-1.8*	Leukemia	8.9	-1.6*	Stomach	7.8	-3.2*	
Urinary Bladder	7.5	-0.4*	Urinary Bladder	8.0	-0.3*	Myeloma	7.5	-0.6	
Non-Hodgkin Lymphoma	7.1	-2.0*	Esophagus	7.4	-0.7*	Leukemia	7.0	-2.7*	
Esophagus	7.0	-1.2*	Non-Hodgkin Lymphoma	7.4	-2.0*	Kidney and Renal Pelvis		-0.8	
Kidney and Renal Pelvis		-1.1*	Brain and ONS ^f	5.8	0.5*	Urinary Bladder	5.3	0.0	
Brain and ONS ^f	5.4	0.4	Kidney and Renal Pelvis		-1.0*	Esophagus	5.3	-5.1*	
Myeloma	4.1	-0.5*	Melanoma of the Skin	4.1	-2.7*	Non-Hodgkin Lymphoma	5.2	-1.6*	
Stomach	4.1	-2.3*	Myeloma	3.9	-0.5*	Oral Cavity and Pharynx		-2.0*	
Oral Cavity and Pharynx	3.9	0.9*	Oral Cavity and Pharynx	3.9	1.3*	Brain and ONS ^f	3.2	0.5	
Melanoma of the Skin	3.5	-2.9*	Stomach	3.6	-2.3*	Larynx	3.0	-3.2*	
Asian/Pacific	: Islander		American Indian/	Alaska Nat:	ive ^d	Hispanic ^e			
	Rateb	APC ^c		Rate ^b	APCc		Rateb	APC ^c	
	2013-2017	2008-2017		2013-2017	2008-2017		2013-2017	2008-2017	
All Sites	117.3	-1.8*	All Sites	173.1	-1.5*	All Sites	136.2	-1.6*	
Lung and Bronchus	29.3	-2.9*	Lung and Bronchus	40.1	-3.8*	Lung and Bronchus	24.2	-4.0*	
Liver & IBD ^f	13.5	-1.5*	Colon and Rectum	19.4	-0.2	Prostate	15.8	-2.2*	
Colon and Rectum	11.5	-2.4*	Prostate	18.7	-1.8	Colon and Rectum	14.2	-2.0*	
Prostate	8.6	-1.7*	Liver & IBD ^f	14.8	1.5	Liver & IBD ^f	13.3	0.7*	
Pancreas	8.2	-0.4	Pancreas	10.3	1.8	Pancreas	9.4	-0.7	
Stomach	6.7	-3.4*	Kidney and Renal Pelvis	8.2	-1.8	Stomach	6.4	-2.4*	
Non-Hodgkin Lymphoma	4.9	-0.7*	Stomach	6.3	-1.5	Non-Hodgkin Lymphoma	5.9	-1.6*	
Leukemia	4.8	-0.5	Esophagus	6.2	-0.4	Leukemia	5.8	-1.4*	
Oral Cavity and Pharynx	3.1	1.2	Non-Hodgkin Lymphoma	5.5	0.7	Kidney and Renal Pelvis	5.0	0.2	
Urinary Bladder	2.8	-0.9	Leukemia	5.1	-4.2	Urinary Bladder	3.9	0.2	
Esophagus	2.8	-1.0	Urinary Bladder	4.2	1.3	Esophagus	3.7	-2.6*	
Kidney and Renal Pelvis	2.6	-2.2*	Myeloma	3.6	0.5	Brain and ONS ^f	3.5	0.9*	
Brain and ONSf	2.6	1.3	Oral Cavity and Pharynx	3.5	0.5	Myeloma	3.4	-0.4	
Myeloma	2.0	-1.4	Brain and ONSf	2.8	-2.2	Oral Cavity and Pharynx	2.4	0.4	
Soft Tissue including He	eart 1.0	-0.3	Larynx	1.7	-	Larynx	1.4	-3.0*	

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

- ^a Top 15 cancer sites selected based on 2013-2017 age-adjusted rates for the race/ethnic group.
- Bates are per 100,000 and 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.
- Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups Census P25-1130).
- Rates for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) counties.
- e Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives.
- IBD = Intrahepatic Bile Duct. ONS = Other Nervous System.
- * The APC is significantly different from zero (p<.05).
- Statistic not shown. Rate based on less than 16 cases for the time interval. Trend based on less than 10 cases for at least one year within the time interval.

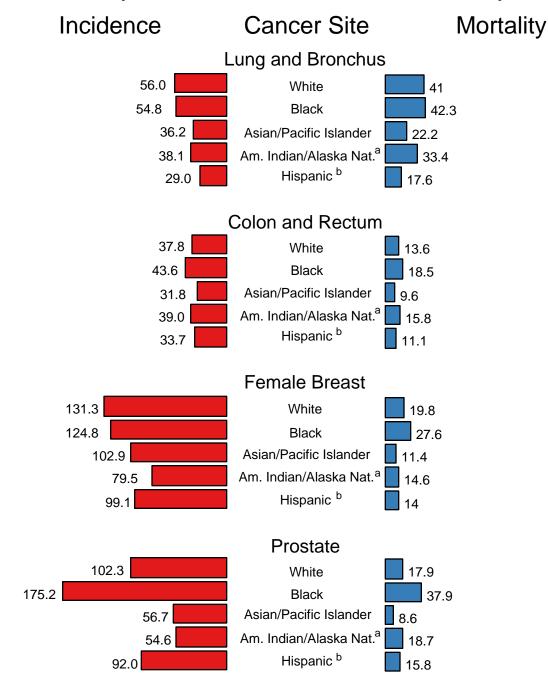
Table 1.28 Age-Adjusted U.S. Death Rates and Trends for the Top 15 Cancer Sites by Race/Ethnicity Females

All Ra	ces		Whit	Mhite		Blac	k	
	Rate ^b	APC ^c		Rate ^b	APCc		Rateb	APC ^c
	2013-2017	2008-2017		2013-2017	2008-2017		2013-2017	2008-2017
All Sites	135.7	-1.4*	All Sites	136.4	-1.3*	All Sites	153.4	-1.6*
Lung and Bronchus	33.2	-2.6*	Lung and Bronchus	34.5	-2.5*	Lung and Bronchus	31.1	-2.9*
Breast	20.3	-1.4*	Breast	19.8	-1.4*	Breast	27.6	-1.6*
Colon and Rectum	11.8	-2.1*	Colon and Rectum	11.5	-1.9*	Colon and Rectum	15.2	-2.9*
Pancreas	9.6	0.0	Pancreas	9.4	0.1	Pancreas	12.0	-0.4
Ovary	6.9	-2.2*	Ovary	7.1	-2.2*	Corpus and Uterus, NOS	8.6	2.3*
Corpus and Uterus, NOS	4.8	2.1*	Leukemia	5.0	-1.5*	Ovary	6.0	-1.9*
Leukemia	4.8	-1.6*	Corpus and Uterus, NOS	4.5	1.9*	Myeloma	5.3	-0.3
Non-Hodgkin Lymphoma	4.2	-2.5*	Non-Hodgkin Lymphoma	4.4	-2.5*	Liver & IBD ^f	4.8	2.1*
Liver & IBD ^f	4.0	2.4*	Brain and ONS ^f	3.9	0.6*	Leukemia	4.3	-1.4*
Brain and ONS ^f	3.6	0.6*	Liver & IBD ^f	3.8	2.7*	Stomach	3.6	-3.9*
Myeloma	2.6	-0.5	Kidney and Renal Pelvis	2.4	-1.4*	Cervix Uteri	3.4	-2.9*
Kidney and Renal Pelvis	2.3	-1.5*	Myeloma	2.4	-0.6	Non-Hodgkin Lymphoma	3.2	-1.6*
Cervix Uteri	2.3	-0.4*	Urinary Bladder	2.2	-0.3	Urinary Bladder	2.4	-0.9
Stomach	2.2	-1.8*	Cervix Uteri	2.2	0.2	Kidney and Renal Pelvis	2.2	-2.2*
Urinary Bladder	2.1	-0.5*	Stomach	1.9	-1.6*	Brain and ONS ^f	2.2	0.8
Asian/Pacific	Islander		American Indian/	Alaska Nat:	Lve ^d	Hispar	anic ^e	
	Rateb	APC ^c		Rateb	APC°		Rateb	APC°
	2013-2017	2008-2017		2013-2017	2008-2017		2013-2017	2008-2017
All Sites	85.6	-1.1*	All Sites	123.0	-1.4*	All Sites	95.5	-0.8*
Lung and Bronchus	16.9	-1.6*	Lung and Bronchus	28.4	-2.5*	Breast	14.0	-0.8*
Breast	11.4	0.2	Breast	14.6	0.4	Lung and Bronchus	12.7	-1.8*
Colon and Rectum	8.1	-2.4*	Colon and Rectum	13.0	-3.4*	Colon and Rectum	8.7	-1.8*
Pancreas	7.1	-0.3	Pancreas	7.8	0.4	Pancreas	7.8	0.2
Liver & IBD ^f	5.6	-1.7*	Liver & IBD ^f	7.1	2.7	Liver & IBD ^f	6.0	1.2*
Ovary	4.4	-0.9	Ovary	6.3	-0.4	Ovary	5.2	-1.4*
Stomach	4.1	-2.2*	Stomach	3.6	-0.3	Corpus and Uterus, NOS	4.0	2.6*
Corpus and Uterus, NOS	3.2	3.0*	Kidney and Renal Pelvis	3.4	-5.8*	Stomach	4.0	-1.0*
Non-Hodgkin Lymphoma	3.0	-2.5*	Corpus and Uterus, NOS	3.4	2.1	Leukemia	3.8	-1.2*
Leukemia	2.6	-3.3*	Non-Hodgkin Lymphoma	3.2	-3.4	Non-Hodgkin Lymphoma	3.7	-2.4*
Brain and ONSf	1.9	3.0*	Leukemia	3.0	-2.0	Cervix Uteri	2.6	-0.8
Cervix Uteri	1.8	-0.3	Myeloma	3.0	2.5	Brain and ONSf	2.6	1.5*
Myeloma	1.2	-0.3	Cervix Uteri	2.5	-5.4*	Kidney and Renal Pelvis		-1.0
Oral Cavity and Pharynx		-0.7	Brain and ONS ^f	2.4	0.7	Myeloma	2.2	-0.6
Kidney and Renal Pelvis	1.1	-1.4	Urinary Bladder	1.7	_	Urinary Bladder	1.3	0.3

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

- a Top 15 cancer sites selected based on 2013-2017 age-adjusted rates for the race/ethnic group.
- Pates are per 100,000 and 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.
- Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups Census P25-1130).
- Rates for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) counties.
- e Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives.
- 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.

SEER Cancer Incidence and US Death Rates, 2013-2017 By Cancer Site and Race/Ethnicity

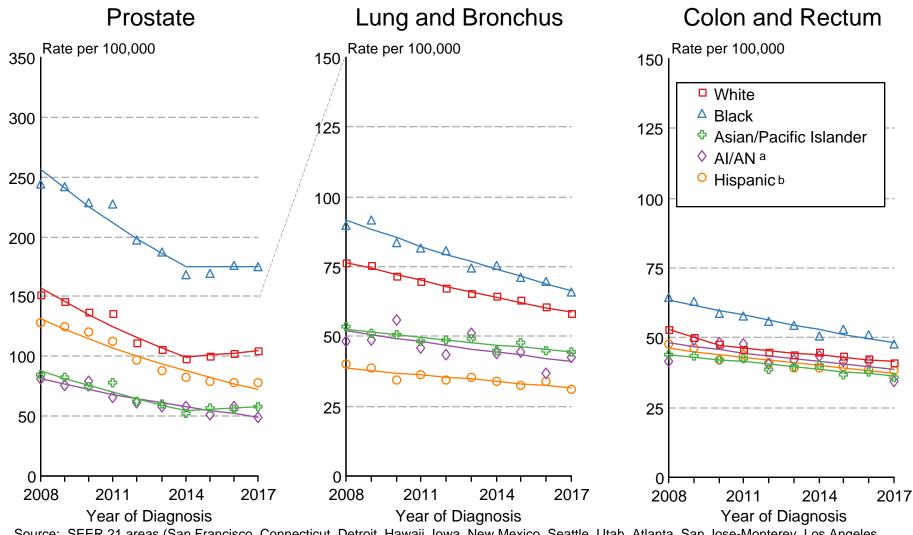


Source: SEER 21 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts) and US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.

- a 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.

Figure 1.13

SEER Incidence 2008-2017 Males by Race/Ethnicity



Source: SEER 21 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, New Jersey, Georgia excluding ATL/RG), Idaho, New York and Massachusetts.

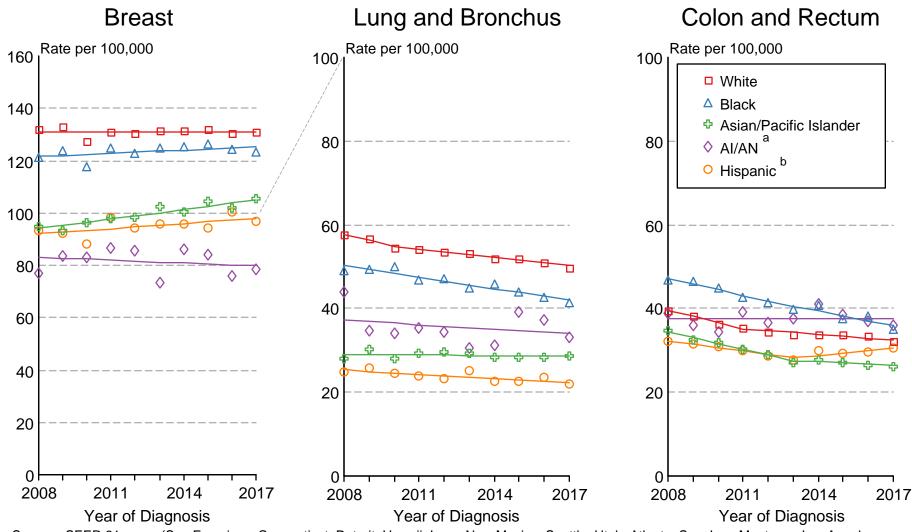
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

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

b 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.

Cancer Statistics Review 1975-2017

SEER Incidence 2008-2017 Females by Race/Ethnicity



Source: SEER 21 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, New Jersey, Georgia excluding ATL/RG), Idaho, New York and Massachusetts.

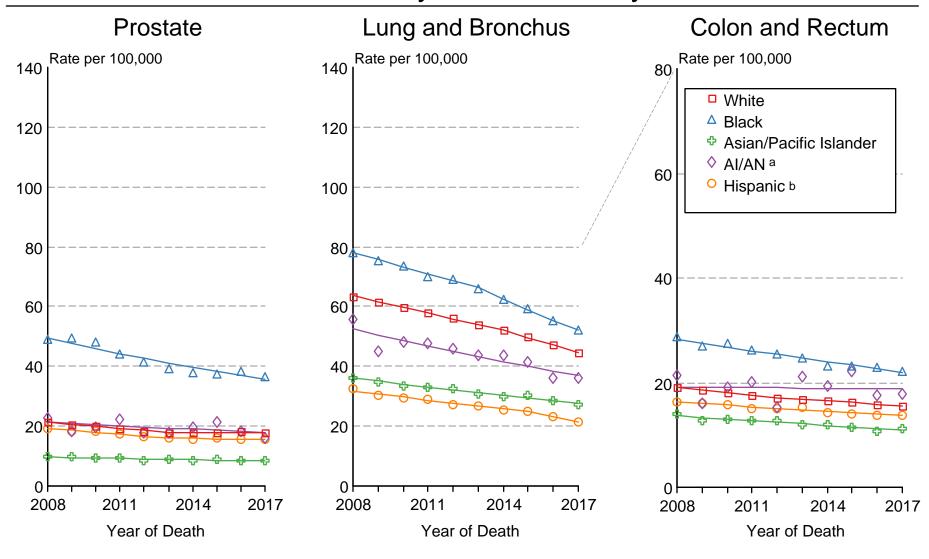
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

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

b 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.

Figure 1.15

US Mortality 2008-2017 Males by Race/Ethnicity

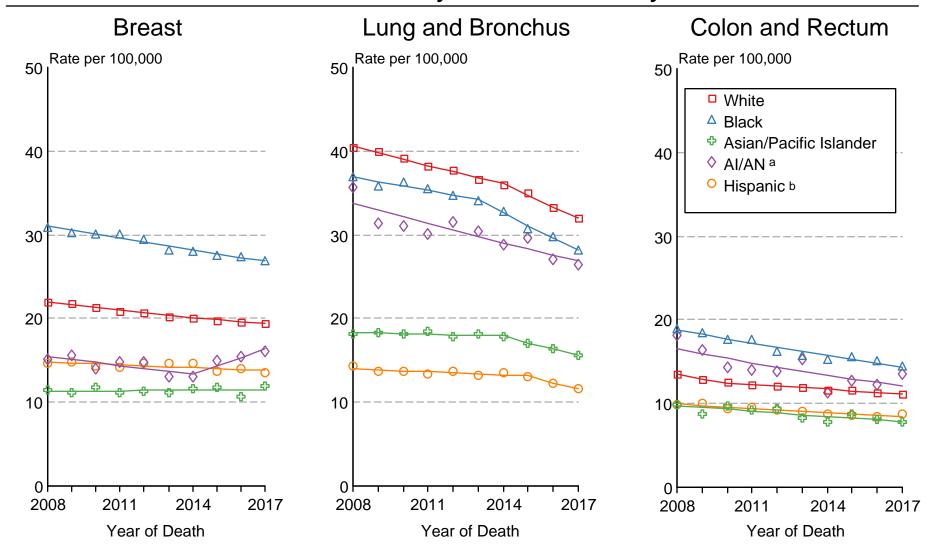


Source: US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention. Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

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

b Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives.

US Mortality 2008-2017 Females by Race/Ethnicity



Source: US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention. Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

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

b Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives.

Table 2.15 All Cancer Sites (Invasive)

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

SEER Incidence	Rate	R 21 Are 2013-2 100,00			ER 21 Ar d 2008- AAPC (%	2017°	Tren	R 9 Are d 2008-2 AAPC (%	2017 ^d
Race/Ethnicity	Total	Males	Females	Total_	Males	Females	Total_	Males	Females
All Races	442.4	480.3	418.3	-1.1*	-1.8*	-0.1*	-1.1*	-1.9*	-0.2*
White White Hispanic ^e White Non-Hispanic ^e	452.1 353.0 470.7	485.5 371.3 505.6	432.0 347.6 449.0	-1.1* -1.5* -1.0*	-2.9*	-0.3	-1.1* - -	-1.7* - -	-0.2* - -
Black	440.4	515.1	390.7	-1.5*	-2.5*	-0.4*	-1.5*	-2.3*	-0.7*
Asian/Pacific Islander	302.1	304.4	304.7	-0.6*	-1.6*	0.2*	-	-	-
Amer Ind/Alaska Nat ^f	310.1	321.0	305.9	-0.5*	-1.0*	-0.1	-	-	-
Hispanic ^e	348.4	370.4	339.5	-1.1*	-2.5*	0.2*	-	_	-
U.S. Mortality ^g									
<u> </u>		2013-2 100,00	017 0 persons		d 2008- AAPC (%				
Race/Ethnicity		100,00			AAPC (%				
	Rate per	100,00	0 persons		AAPC (% Males	Females			
Race/Ethnicity	Rate per Total	100,00 Males	0 persons Females	Total	AAPC (% Males -1.8* -1.7*	Females -1.4* -1.3* -0.8*			
Race/Ethnicity All Races White White Hispanic ^e	Rate per	100,00 Males 189.5 189.6 144.0	0 persons Females 135.7 136.4 101.2	Total -1.5* -1.4* -1.1*	AAPC (% Males -1.8* -1.7* -1.4*	Females -1.4* -1.3* -0.8*			
Race/Ethnicity All Races White White Hispanice White Non-Hispanice	Total 158.3 159.0 118.9 162.9	100,00 Males 189.5 189.6 144.0 193.8	0 persons Females 135.7 136.4 101.2 139.9	Total -1.5* -1.4* -1.1* -1.5*	AAPC (% Males -1.8* -1.7* -1.4* -1.6*	-1.4* -1.3* -0.8* -1.3* -1.6*			
Race/Ethnicity All Races White White Hispanice White Non-Hispanice	Total 158.3 159.0 118.9 162.9 181.7	189.5 189.6 144.0 193.8 227.3	0 persons Females 135.7 136.4 101.2 139.9 153.4	Total -1.5* -1.4* -1.1* -1.5* -2.1*	-1.8* -1.7* -1.6* -1.6* -1.8*	Females -1.4* -1.3* -0.8* -1.6* -1.0*			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.8, April 2020, National Cancer Institute. Statistic not shown. Rate based on less than 16 cases for the time interval.

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

Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, а b

Utah, and Atlanta.

The SEER 21 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey,

Georgia excluding ATL/RG, Idaho, New York and Massachusetts.
The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over diagnosis years 2000-2017.

d The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2017.

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.

Incidence data for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) counties.

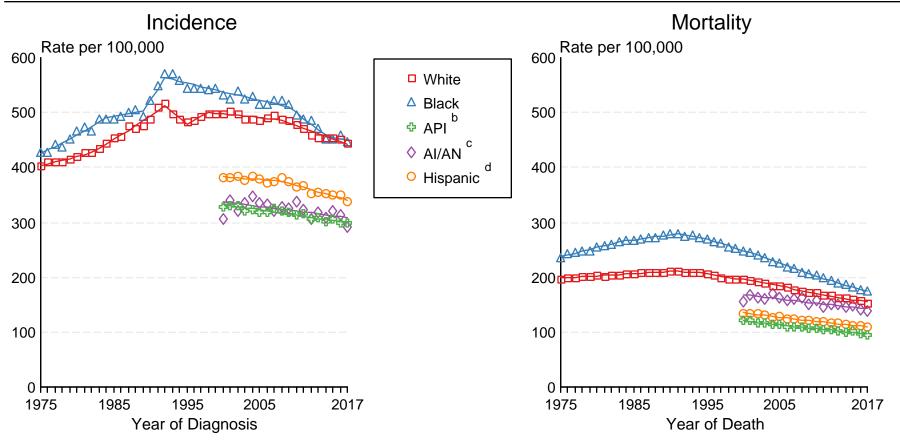
US Mortality Files, National Center for Health Statistics, CDC.

The 2008-2017 mortality AAPCs are based on a Joinpoint analysis using years of death 2000-2017. The APC is significantly different from zero (p<.05).

Figure 2.4

SEER Incidence and US Death Rates^a All Cancer Sites, Both Sexes

Joinpoint Analyses for Whites and Blacks from 1975-2017 and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 2000-2017



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 21 areas (SEER 9 areas, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts).

- 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 4.8, April 2020, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2017 period allow a maximum of 5 joinpoints. Analyses for other ethnic groups during the period 2000-2017 allow a maximum of 3 joinpoints.
- b API = Asian/Pacific Islander.
- c Al/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) 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 3.15 Cancer of the Brain And Other Nervous System (Invasive)

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

SEER Incidence	Rate	21 Are 2013-2 100,00			ER 21 Ar d 2008- AAPC (%	2017 ^c	Tren	R 9 Are d 2008-2 AAPC (%	2017 ^d
Race/Ethnicity	Total	Males	Females	Total	Males	Females	Total	Males	Females
Race/Edimicity									
All Races	6.4	7.5	5.4	-0.5*	-0.5*	-0.5*	-0.2*	-0.3*	-0.2*
White	7.1	8.3	6.0	-0.4*			-0.1	-0.3*	0.0
White Hispanic ^e	5.3	6.1	4.7	-0.7*	-0.8*	-0.8*	_	_	-
White Non-Hispanic ^e	7.5	8.9	6.4	-0.2	-0.2	-0.2	-	-	-
Black	3.9	4.5	3.3	-0.6*	-0.3	-0.9*	0.0	-0.1	0.2
Asian/Pacific Islander	3.8	4.5	3.2	0.2	0.4	-2.1	_	-	-
Amer Ind/Alaska Natf	3.4	4.3	2.6	0.0	0.6	-1.1	-	-	-
Hispanic ^e	5.1	5.9	4.4	-0.7*	-0.8*	-0.7*	-	-	-
U.S. Mortality ^g									
		2013-2	017 O persons		d 2008- AAPC (%)				
	Rate per	100,00	0 persons		AAPC (%))			
Race/Ethnicity		100,00			AAPC (%)				
Race/Ethnicity All Races	Rate per	100,00	0 persons		AAPC (%))			
-	Rate per	100,00 Males	0 persons Females	Total	AAPC (%)) Females			
All Races	Rate per Total 4.4	100,00 Males 5.4	0 persons Females 3.6		Males 0.5*	0.5* 0.6*			
All Races White	Rate per Total 4.4 4.8	100,00 Males 5.4 5.8	0 persons Females 3.6 3.9	Total 0.5* 0.6*	Males 0.5*	0.5* 0.6*			
All Races White White Hispanic ^e	Rate per Total 4.4 4.8 3.2	100,00 Males 5.4 5.8 3.8	0 persons Females 3.6 3.9 2.8	Total 0.5* 0.6* 0.5*	AAPC (%) Males 0.5* 0.6* 0.5	0.5* 0.6* 0.6*			
All Races White White Hispanic ^e White Non-Hispanic ^e	Rate per Total 4.4 4.8 3.2 5.1	100,00 Males 5.4 5.8 3.8 6.1	0 persons Females 3.6 3.9 2.8 4.1	0.5* 0.6* 0.5* 0.7*	Males 0.5* 0.6* 0.7*	0.5* 0.6* 0.6* 0.7*			
All Races White White Hispanice White Non-Hispanice Black Asian/Pacific Islander Amer Ind/Alaska Nat	Rate per Total 4.4 4.8 3.2 5.1 2.6 2.2	100,00 Males 5.4 5.8 3.8 6.1 3.2 2.6	3.6 3.9 2.8 4.1 2.2	Total 0.5* 0.6* 0.5* 0.7* 1.1*	AAPC (% Males 0.5* 0.6* 0.7* 0.1 0.4	0.5* 0.6* 0.6* 0.7* 0.2 1.8*			
All Races White White Hispanice White Non-Hispanice Black Asian/Pacific Islander Amer Ind/Alaska Nat Total U.S.	Rate per Total 4.4 4.8 3.2 5.1 2.6 2.2	100,00 Males 5.4 5.8 3.8 6.1 3.2 2.6	0 persons Females 3.6 3.9 2.8 4.1 2.2 1.9	Total 0.5* 0.6* 0.5* 0.7* 0.1 1.1*	AAPC (% Males 0.5* 0.6* 0.7* 0.1 0.4	0.5* 0.6* 0.6* 0.7* 0.2 1.8*			
All Races White White Hispanice White Non-Hispanice Black Asian/Pacific Islander Amer Ind/Alaska Nat Total U.S. PRCDA Counties	Rate per Total 4.4 4.8 3.2 5.1 2.6 2.2	100,00 Males 5.4 5.8 3.8 6.1 3.2 2.6	3.6 3.9 2.8 4.1 2.2 1.9	Total 0.5* 0.6* 0.5* 0.7* 0.1 1.1*	AAPC (% Males 0.5* 0.6* 0.5 0.7* 0.1 0.4 -0.6 0.8	0.5* 0.6* 0.6* 0.7* 0.2 1.8*			
All Races White White Hispanice White Non-Hispanice Black Asian/Pacific Islander Amer Ind/Alaska Nat Total U.S.	Rate per Total 4.4 4.8 3.2 5.1 2.6 2.2	100,00 Males 5.4 5.8 3.8 6.1 3.2 2.6	0 persons Females 3.6 3.9 2.8 4.1 2.2 1.9	Total 0.5* 0.6* 0.5* 0.7* 0.1 1.1*	AAPC (% Males 0.5* 0.6* 0.7* 0.1 0.4	0.5* 0.6* 0.6* 0.7* 0.2 1.8*			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.8, April 2020, National Cancer Institute. Statistic not shown. Rate based on less than 16 cases for the time interval.

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

Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, а b

Utah, and Atlanta.

The SEER 21 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts.
The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over

diagnosis years 2000-2017.

d The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2017.

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.

Incidence data for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) counties.

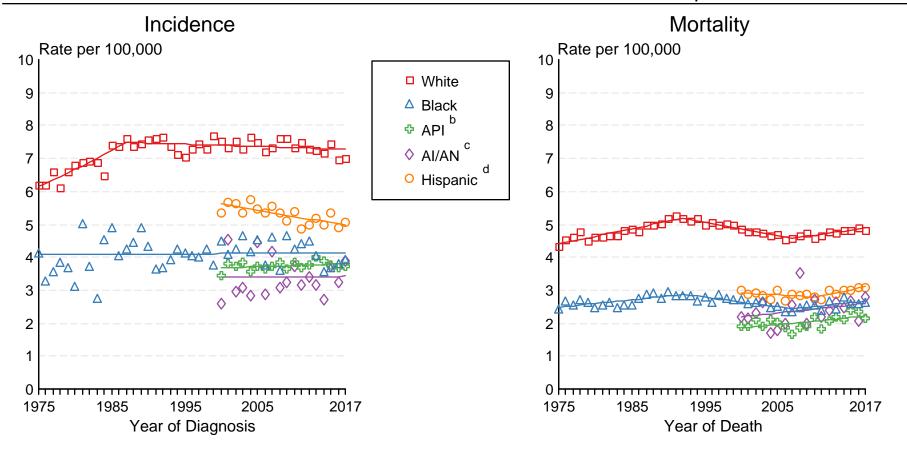
US Mortality Files, National Center for Health Statistics, CDC.

The 2008-2017 mortality AAPCs are based on a Joinpoint analysis using years of death 2000-2017. The APC is significantly different from zero (p<.05).

Figure 3.2

SEER Incidence and US Death Rates^a Cancer of the Brain and Other Nervous System, Both Sexes

Joinpoint Analyses for Whites and Blacks from 1975-2017 and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 2000-2017



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 21 areas (SEER 9 areas, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts).

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 4.8, April 2020, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2017 period allow a maximum of 5 joinpoints. Analyses for other ethnic groups during the period 2000-2017 allow a maximum of 3 joinpoints.

b API = Asian/Pacific Islander.

- c Al/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) 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 4.18 Cancer of the Female Breast (Invasive)

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

SEER Incidence	SEER 21 Areas ^b Rate 2013-2017 Rate per 100,000 persons	SEER 21 Areas ^b Trend 2008-2017 ^c AAPC (%)	SEER 9 Areas ^b Trend 2008–2017 ^d AAPC (%)
	Females	Females	Females
Race/Ethnicity			
All Races	128.5	0.3*	0.3*
White	131.3	0.2	0.2
White Hispanic ^e	101.2	0.3*	_
White Non-Hispanic ^e	137.3	0.3*	-
Black	124.8	0.6*	0.3*
Asian/Pacific Islander	102.9	1.0*	-
Amer Ind/Alaska Nat ^f	79.5	0.1	-
Hispanic ^e	99.1	0.5*	-
U.S. Mortality ^g	Rate 2013-2017 Rate per 100,000 persons	Trend 2008-2017 ^h AAPC (%)	
	Females	Females	
Race/Ethnicity			
All Races	20.3	-1.5*	
White	19.8	-1.5*	
White Hispanic ^e	14.9	-1.0*	
White Non-Hispanic ^e	20.3	-1.4*	
Black	27.6	-1.5*	
Asian/Pacific Islander	11.4	-0.7*	
Amer Ind/Alaska Nat			
Total U.S.	11.5	-0.4	
PRCDA Counties	14.6	0.1	
Non-PRCDA Counties	8.1	-3.7	
Hispanic ^e	14.0	-1.1*	

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.8, April 2020, National Cancer Institute. Statistic not shown. Rate based on less than 16 cases for the time interval.

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

Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, а b

Utah, and Atlanta.

The SEER 21 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey,

Georgia excluding ATL/RG, Idaho, New York and Massachusetts.
The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over diagnosis years 2000-2017.

- d The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2017.
- 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.
- Incidence data for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) counties.
- US Mortality Files, National Center for Health Statistics, CDC. The 2008-2017 mortality AAPCs are based on a Joinpoint analysis using years of death 2000-2017. The APC is significantly different from zero (p<.05).

Table 4.19 Cancer of the Female Breast (In Situ)

SEER Incidence Age-Adjusted Rates and Trends^a By Race/Ethnicity

SEER Incidence	SEER 21 Areas ^b Rate 2013-2017 Rate per 100,000 persons	SEER 21 Areas ^b Trend 2008-2017 ^c AAPC (%)	SEER 9 Areas ^b Trend 2008–2017 ^d AAPC (%)
	Females	Females	Females
Race/Ethnicity			
All Races	33.0	-1.1*	-1.0*
White	32.8	-1.8*	-1.4*
White Hispanic ^e	25.3	0.5	-
White Non-Hispanic ^e	34.6	-1.8*	-
Black	33.0	0.7	-0.4
Asian/Pacific Islander	32.9	0.8	-
Amer Ind/Alaska Nat ^f	16.4	0.0	=
Hispanic ^e	25.2	0.9*	-

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.8, April 2020, 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 а are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle,

b Utah, and Atlanta.

The SEER 21 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts.

The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over diagnosis years 2000-2017.

d The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2017.

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.

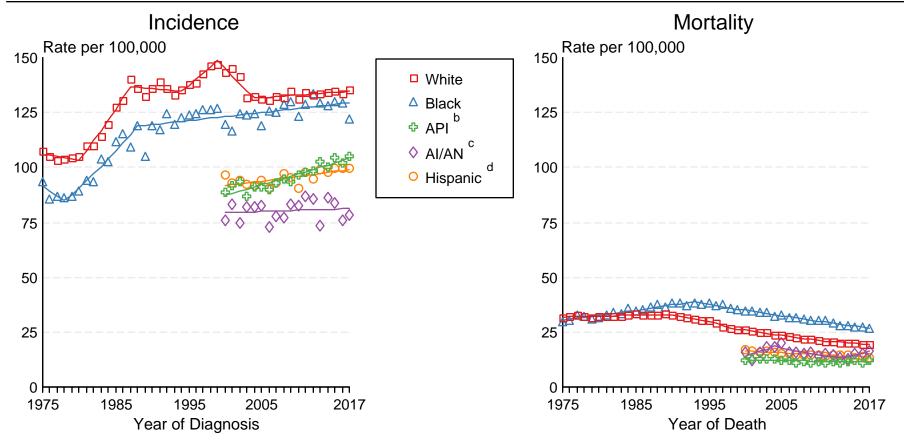
Incidence data for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) counties.

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

Figure 4.4

SEER Incidence and US Death Rates^a Cancer of the Female Breast

Joinpoint Analyses for Whites and Blacks from 1975-2017 and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 2000-2017



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 21 areas (SEER 9 areas, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts).

- 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 4.8, April 2020, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2017 period allow a maximum of 5 joinpoints. Analyses for other ethnic groups during the period 2000-2017 allow a maximum of 3 joinpoints.
- b API = Asian/Pacific Islander.
- c Al/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) 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 5.11 Cancer of the Cervix Uteri (Invasive)

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

SEER Incidence	SEER 21 Areas ^b Rate 2013-2017 Rate per 100,000 persons	SEER 21 Areas ^b Trend 2008-2017 ^c AAPC (%)	SEER 9 Areas ^b Trend 2008–2017 ^d AAPC (%)
	Females	Females	Females
Race/Ethnicity			
All Races	7.4	-0.9	-0.5
White	7.2	-0.6	-0.2
White Hispanic ^e White Non-Hispanic ^e	9.4 6.7	-3.3* -0.1	- -
Black	8.7	-2.8*	-3.6*
Asian/Pacific Islander	6.5	-1.0	-
Amer Ind/Alaska Nat ^f	7.9	0.4	-
Hispanic ^e	9.2	-2.0*	-
U.S. Mortality ^g	Rate 2013-2017 Rate per 100,000 persons	Trend 2008-2017 ^h AAPC (%)	
	Females	Females	
Race/Ethnicity			
All Races	2.3	-0.7*	
White	2.2	-0.1	
White Hispanic ^e	2.8	-0.9	
White Non-Hispanic ^e	2.1	-0.1	
Black	3.4	-2.6*	
Asian/Pacific Islander	1.8	-2.4*	
Amer Ind/Alaska Nat	1.7	-3.4*	
Total U.S. PRCDA Counties	2.5	-3.4^ -2.9*	
Non-PRCDA Counties	0.8	-2.9° -4.2*	
Hispanic ^e	2.6	-1.1	

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.8, April 2020, National Cancer Institute. Statistic not shown. Rate based on less than 16 cases for the time interval.

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

Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, а b

Utah, and Atlanta.

The SEER 21 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey,

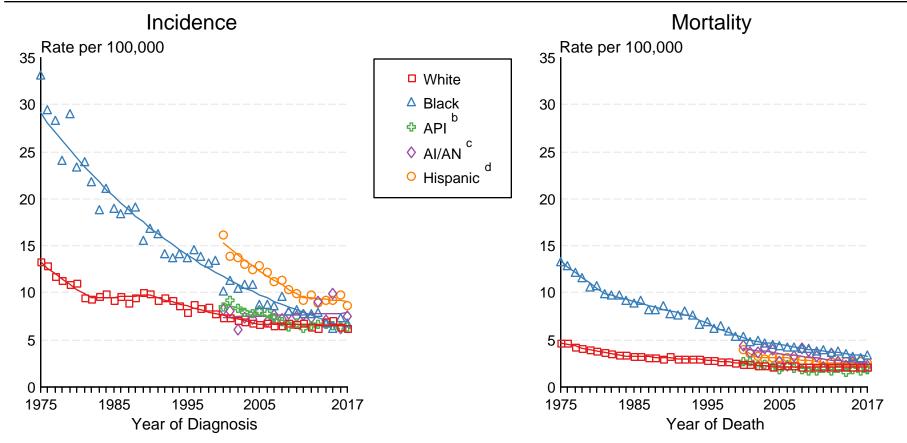
Georgia excluding ATL/RG, Idaho, New York and Massachusetts.
The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over diagnosis years 2000-2017.

- d The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2017.
- 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.
- Incidence data for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) counties.
- US Mortality Files, National Center for Health Statistics, CDC. The 2008-2017 mortality AAPCs are based on a Joinpoint analysis using years of death 2000-2017. The APC is significantly different from zero (p<.05).

Figure 5.3

SEER Incidence and US Death Rates^a Cancer of the Cervix Uteri

Joinpoint Analyses for Whites and Blacks from 1975-2017 and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 2000-2017



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 21 areas (SEER 9 areas, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts).

- 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 4.8, April 2020, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2017 period allow a maximum of 5 joinpoints. Analyses for other ethnic groups during the period 2000-2017 allow a maximum of 3 joinpoints.
- b API = Asian/Pacific Islander.
- c Al/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) 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 6.21 Cancer of the Colon and Rectum (Invasive)

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

SEER Incidence	SEER 21 Areas ^b Rate 2013-2017 Rate per 100,000 persons Total Males Females		SEER 21 Areas ^b Trend 2008-2017 ^c AAPC (%)			SEER 9 Areas ^b Trend 2008-2017 ^d AAPC (%)			
Race/Ethnicity	Total	Males	Females	Total	Males	Females	Total	Males	Females
Race/Edimicity									
All Races	38.2	43.7	33.6	-2.4*	-2.4*	-2.2*	-2.3*	-2.2*	-2.2*
White	37.8	43.0	33.3	-2.3*	-2.4*	-2.0*	-2.3*	-2.5*	-2.1*
White Hispanic ^e	34.6	40.7	29.8	-2.5*	-3.2*	-1.6*	-	-	-
White Non-Hispanic ^e	38.5	43.7	34.0	-2.1*	-2.3*	-2.0*	-	-	-
Black	43.6	51.3	38.2	-3.0*	-2.8*	-3.2*	-2.8*	-2.7*	-3.0*
Asian/Pacific Islander	31.8	37.9	26.8	-2.3*	-2.3*	-2.9*	_	-	_
Amer Ind/Alaska Nat ^f	39.0	40.4	37.9	-0.8*	-1.2*	-0.5	_	-	_
Hispanic ^e	33.7	39.6	29.2	-1.7*	-2.4*	-1.3*	_	-	_
<u>U.S. Mortality^g</u>									
		2013-2	017 O persons		nd 2008- AAPC (%				
		100,00			AAPC (%				
Race/Ethnicity	Rate per	100,00	0 persons		AAPC (%)			
Race/Ethnicity All Races	Rate per	100,00	0 persons		AAPC (% Males) Females			
-	Rate per	100,00 Males	0 persons Females	Total	AAPC (% Males -2.2*	Females -2.1*			
All Races White White Hispanice	Rate per Total	100,00 Males 16.6	0 persons Females 11.8		AAPC (% Males -2.2*	Females -2.1* -2.0*			
All Races White	Total 13.9 13.6	100,00 Males 16.6 16.2	0 persons Females 11.8 11.5		AAPC (% Males -2.2*	Females -2.1* -2.0* -1.9*			
All Races White White Hispanice	Total 13.9 13.6 11.8	100,00 Males 16.6 16.2 15.1	0 persons Females 11.8 11.5 9.2	Total -2.1* -2.0* -1.6*	AAPC (% Males -2.2* -2.2* -1.4*	Females -2.1* -2.0* -1.9*			
All Races White White Hispanice White Non-Hispanice	Total 13.9 13.6 11.8 13.8	100,00 Males 16.6 16.2 15.1 16.3	0 persons Females 11.8 11.5 9.2 11.7	Total -2.1* -2.0* -1.6* -2.0*	AAPC (% Males -2.2* -2.2* -1.4* -2.2*	Pemales -2.1* -2.0* -1.9* -1.9* -3.1*			
All Races White White Hispanice White Non-Hispanice	13.9 13.6 11.8 13.8 18.5	100,00 Males 16.6 16.2 15.1 16.3 23.2	0 persons Females 11.8 11.5 9.2 11.7 15.2 8.1	Total -2.1* -2.0* -1.6* -2.0* -2.8* -1.9*	AAPC (% Males -2.2* -2.2* -1.4* -2.2* -2.7* -2.1*	Pemales -2.1* -2.0* -1.9* -1.9* -3.1*			
All Races White White Hispanice White Non-Hispanice Black Asian/Pacific Islander Amer Ind/Alaska Nat Total U.S.	Rate per Total 13.9 13.6 11.8 13.8 18.5 9.6	100,00 Males 16.6 16.2 15.1 16.3 23.2 11.5	0 persons Females 11.8 11.5 9.2 11.7 15.2 8.1 9.1	Total -2.1* -2.0* -1.6* -2.0* -2.8* -1.9*	AAPC (% Males -2.2* -2.2* -1.4* -2.2* -2.7* -2.1*	Pemales -2.1* -2.0* -1.9* -3.1* -1.9* -1.6*			
All Races White White Hispanice White Non-Hispanice Black Asian/Pacific Islander Amer Ind/Alaska Nat Total U.S. PRCDA Counties	Rate per Total 13.9 13.6 11.8 13.8 18.5 9.6	100,00 Males 16.6 16.2 15.1 16.3 23.2 11.5	0 persons Females 11.8 11.5 9.2 11.7 15.2 8.1 9.1 13.0	Total -2.1* -2.0* -1.6* -2.0* -1.9*	AAPC (% Males -2.2* -2.2* -1.4* -2.2* -2.1* -1.7* -0.8	Pemales -2.1* -2.0* -1.9* -3.1* -1.9* -1.6* -0.9			
All Races White White Hispanice White Non-Hispanice Black Asian/Pacific Islander Amer Ind/Alaska Nat Total U.S.	Rate per Total 13.9 13.6 11.8 13.8 18.5 9.6	100,00 Males 16.6 16.2 15.1 16.3 23.2 11.5	0 persons Females 11.8 11.5 9.2 11.7 15.2 8.1 9.1	Total -2.1* -2.0* -1.6* -2.0* -2.8* -1.9*	AAPC (% Males -2.2* -2.2* -1.4* -2.2* -2.7* -2.1*	Pemales -2.1* -2.0* -1.9* -3.1* -1.9* -1.6* -0.9			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.8, April 2020, National Cancer Institute. Statistic not shown. Rate based on less than 16 cases for the time interval.

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

Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, а b

Utah, and Atlanta.

The SEER 21 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts.
The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over

diagnosis years 2000-2017.

d The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2017.

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.

Incidence data for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) counties.

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

The 2008-2017 mortality AAPCs are based on a Joinpoint analysis using years of death 2000-2017.

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

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

SEER Incidence Age-Adjusted Rates and Trends^a By Race/Ethnicity and Sex

Cancer of the Colon SEER Incidence	Rate	21 Are 2013-2 100,00			ER 21 Ar ad 2008-2 AAPC (%	017°	Trend	R 9 Are d 2008-2 AAPC (%	2017 ^d
	Total	Males	Females	Total	Males	Females	Total	Males	Females
Race/Ethnicity									
All Races	26.8	29.5	24.6	-2.7*	-2.9*	-2.5*	-2.6*	-2.6*	-2.4*
White	26.5	29.0	24.4	-2.6*	-2.9*	-2.3*	-2.7*	-3.0*	-2.3*
White Hispanic ^e	23.8	26.9	21.5	-2.5*	-3.0*	-1.7*	_	_	-
White Non-Hispanic ^e	27.0	29.5	24.9	-2.5*	-2.8*	-2.1*	-	-	-
Black	32.0	36.5	28.8	-3.2*	-3.3*	-3.1*	-3.1*	-3.2*	-3.2*
Asian/Pacific Islander	20.7	23.4	18.5	-2.6*	-2.6*	-3.4*	-	-	-
Amer Ind/Alaska Nat ^f	26.8	26.6	27.0	-1.2*	-1.2	-1.1*	_	-	_
Hispanic ^e	23.2	26.1	21.0	-2.0*	-2.3*	-1.5*	-	-	-
Cancer of the Rectum SEER Incidence	Rate	21 Are 2013-2 100,00			ER 21 Ar d 2008-2 AAPC (%	017 ^c	Trend	R 9 Are d 2008-2 AAPC (%	2017 ^d
SEER Incidence	Rate	2013-2	017	Tren	nd 2008-2 AAPC (%	017 ^c	Trend	d 2008-2 AAPC (%	2017 ^d
	Rate Rate per	2013-2	017 0 persons	Tren	nd 2008-2 AAPC (%	1017°)	Trend	d 2008-2 AAPC (%	2017 ^d)
SEER Incidence	Rate Rate per	2013-2	017 0 persons	Tren	nd 2008-2 AAPC (%	1017°)	Trend	d 2008-2 AAPC (%	2017 ^d)
SEER Incidence Race/Ethnicity	Rate Rate per <u>Total</u>	2013-2 100,00 Males	017 0 persons Females	Tren	nd 2008-2 AAPC (% <u>Males</u>	2017 ^c) <u>Females</u>	Trend	d 2008-2 AAPC (% <u>Males</u>	2017 ^d) <u>Females</u>
SEER Incidence Race/Ethnicity All Races	Rate per Total	2013-2 100,00 Males 14.3	017 0 persons Females 9.1	Tren	ad 2008-2 AAPC (% Males -1.6*	O17°) Females -1.5*	Trend	d 2008-2 AAPC (% <u>Males</u> -1.3*	2017 ^d) Females -1.0
SEER Incidence Race/Ethnicity All Races White	Rate per Total 11.4 11.2	2013-2 100,00 Males 14.3 13.9	9.1	Tren	ad 2008-2 AAPC (% Males -1.6* -1.7*	017°) Females -1.5* -1.5*	Trend	d 2008-2 AAPC (% <u>Males</u> -1.3*	2017 ^d) Females -1.0
SEER Incidence Race/Ethnicity All Races White White Hispanice	Rate per Total 11.4 11.2 10.8	2013-2 100,00 Males 14.3 13.9 13.9	9.1 8.9 8.3	Tren Total -1.5* -1.6* -1.5*	AAPC (% Males -1.6* -1.7* -1.8*	017°) Females -1.5* -1.5* -1.3*	Trend	d 2008-2 AAPC (% <u>Males</u> -1.3*	Personal Property of the Prope
Race/Ethnicity All Races White White Hispanice White Non-Hispanice	Rate per Total 11.4 11.2 10.8 11.4	2 2013-2 100,00 Males 14.3 13.9 13.9 14.1	9.1 8.9 8.3 9.1	Tren Total -1.5* -1.6* -1.5* -1.5*	AAPC (* Males -1.6* -1.7* -1.8* -1.6*	017°) Females -1.5* -1.5* -1.3* -1.5*	Trend	1 2008-2 AAPC (% Males -1.3* -1.3*	Polyage Process
Race/Ethnicity All Races White White Hispanice White Non-Hispanice	Rate per Total 11.4 11.2 10.8 11.4 11.6	2 2013-2 100,00 Males 14.3 13.9 13.9 14.1 14.8	9.1 8.9 8.3 9.1 9.3	Tren Total -1.5* -1.6* -1.5* -1.5* -2.2*	AAPC (* Males -1.6* -1.8* -1.6* -1.1*	-1.5* -1.5* -1.5* -1.5* -2.5*	Trend	1 2008-2 AAPC (% Males -1.3* -1.3*	Polyage Process

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.8, April 2020, 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 а b

are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta.

The SEER 21 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts.

The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over diagnosis years 2000-2017.

d The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2017.

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.

Incidence data for American Indian/Alaska Native are based on the Purchased/Referred Care

Delivery Area (PRCDA) counties.

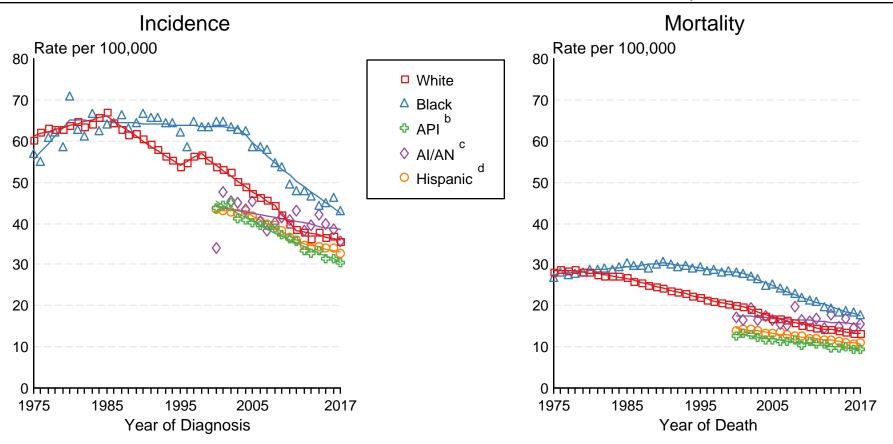
The APC is significantly different from zero (p<.05).

Figure 6.2

SEER Incidence and US Death Rates^a Cancer of the Colon and Rectum, Both Sexes

Joinpoint Analyses for Whites and Blacks from 1975-2017

and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 2000-2017



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 21 areas (SEER 9 areas, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts).

- 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 4.8, April 2020, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2017 period allow a maximum of 5 joinpoints. Analyses for other ethnic groups during the period 2000-2017 allow a maximum of 3 joinpoints.
- b API = Asian/Pacific Islander.
- c Al/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) 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 7.11 Cancer of the Corpus And Uterus, NOS (Invasive)

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

SEER Incidence	SEER 21 Areas ^b Rate 2013-2017 Rate per 100,000 persons	SEER 21 Areas ^b Trend 2008-2017 ^c AAPC (%)	SEER 9 Areas ^b Trend 2008-2017 ^d AAPC (%)
	Females	Females	Females
Race/Ethnicity			
All Races	27.8	1.0*	0.8*
White	28.3	0.8*	0.7*
White Hispanic ^e	25.0	2.0*	=
White Non-Hispanic ^e	28.7	0.7*	-
Black	27.9	2.3*	2.2*
Asian/Pacific Islander	21.7	2.2*	-
Amer Ind/Alaska Nat ^f	19.9	0.9	-
Hispanic ^e	24.6	2.2*	-
U.S. Mortality ^g	Rate 2013-2017 Rate per 100,000 persons	Trend 2008-2017 ^h AAPC (%)	
	Females	Females	
Race/Ethnicity			
All Races	4.8	2.1*	
White	4.5	1.9*	
White Hispanic ^e	4.2	2.8*	
White Non-Hispanic ^e	4.5	1.7*	
Black	8.6	2.3*	
Asian/Pacific Islander	3.2	2.5*	
Amer Ind/Alaska Nat			
Total U.S.	2.5	0.2	
PRCDA Counties	3.4	0.7	
Non-PRCDA Counties	1.5	-0.9	
Hispanic ^e	4.0	3.0*	

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.8, April 2020, National Cancer Institute. Statistic not shown. Rate based on less than 16 cases for the time interval.

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

Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, а b

Utah, and Atlanta.

The SEER 21 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey,

Georgia excluding ATL/RG, Idaho, New York and Massachusetts.
The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over diagnosis years 2000-2017.

d The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2017.

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.

Incidence data for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) counties.

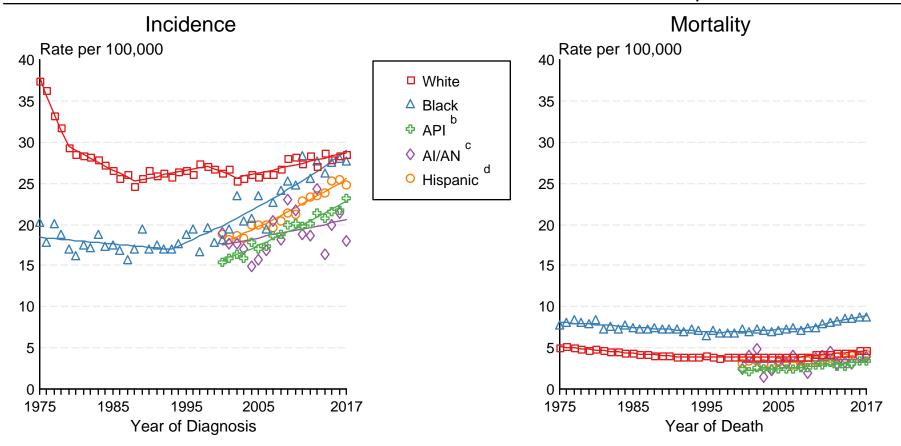
US Mortality Files, National Center for Health Statistics, CDC. The 2008-2017 mortality AAPCs are based on a Joinpoint analysis using years of death 2000-2017. The APC is significantly different from zero (p<.05).

Cancer Statistics Review 1975-2017

SEER Incidence and US Death Rates^a Cancer of the Corpus and Uterus, NOS

Figure 7.3

Joinpoint Analyses for Whites and Blacks from 1975-2017 and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 2000-2017



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 21 areas (SEER 9 areas, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts).

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 4.8, April 2020, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2017 period allow a maximum of 5 joinpoints. Analyses for other ethnic groups during the period 2000-2017 allow a maximum of 3 joinpoints.

b API = Asian/Pacific Islander.

- c Al/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) 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 8.15 Cancer of the Esophagus (Invasive)

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

SEER Incidence	Rate	21 Are 2013-2 100,00			ER 21 Ar nd 2008- AAPC (%	2017 ^c	Tren	R 9 Are d 2008-2 AAPC (%	2017 ^d
- /=:1 ! !:	Total	Males	Females	Total	Males	Females	Total	Males	Females
Race/Ethnicity									
All Races	4.3	7.3	1.7	-1.4*	-1.4*	-1.6*	-1.0*	-1.0*	-1.3*
White	4.5	7.8	1.8	-1.1*			-0.5*	-0.6*	-0.2
White Hispanic ^e	2.9	5.0	1.1	-1.7*			-	-	_
White Non-Hispanic ^e	4.8	8.3	1.9	-0.9*	-1.1*	-0.9*	-	_	_
Black	3.7	6.1	2.0	-4.4*	-4.5*	-4.3*	-4.3*	-4.6*	-3.3*
Asian/Pacific Islander	2.2	3.7	1.0	-1.3*	-1.1*	-2.1*	-	-	-
Amer Ind/Alaska Nat ^f	3.8	6.2	1.8	-1.3	-2.0	-1.5	-	-	-
Hispanic ^e	2.7	4.8	1.1	-1.7*	-1.9*	-1.8*	-	-	-
U.S. Mortality ^g									
			017 O persons		nd 2008- AAPC (%				
		100,00			AAPC (%				
Race/Ethnicity	Rate per	100,00	0 persons		AAPC (%)			
Race/Ethnicity All Races	Rate per	100,00	0 persons		AAPC (% Males) Females			
-	Rate per <u>Total</u>	100,00 Males	0 persons Females	Total	AAPC (% Males -1.1*	Females -1.6*			
All Races	Rate per	100,00 Males 7.0	0 persons Females		Males -1.1* -0.7*	Females -1.6* -1.0*			
All Races White	Rate per Total 3.9 4.2	100,00 Males 7.0 7.4	0 persons Females 1.4 1.4		Males -1.1* -0.7*	Females -1.6* -1.0* -2.3*			
All Races White White Hispanic ^e	3.9 4.2 2.1	100,00 Males 7.0 7.4 3.9	0 persons Females 1.4 1.4 0.8		AAPC (% Males -1.1* -0.7* -1.1*	Females -1.6* -1.0* -2.3*			
All Races White White Hispanice White Non-Hispanice	Rate per Total 3.9 4.2 2.1 4.4	7.0 7.4 3.9 7.8	0 persons Females 1.4 1.4 0.8 1.5	Total -1.1* -0.6* -1.2* -0.4*	AAPC (% Males -1.1* -0.7* -1.1* -0.5*	-1.6* -1.0* -2.3* -0.9* -4.4*			
All Races White White Hispanice White Non-Hispanice	3.9 4.2 2.1 4.4 3.2	100,00 Males 7.0 7.4 3.9 7.8 5.3	0 persons Females 1.4 1.4 0.8 1.5 1.6	Total -1.1* -0.6* -1.2* -0.4* -4.7*	AAPC (% Males -1.1* -0.7* -1.1* -0.5*	-1.6* -1.0* -2.3* -0.9* -4.4*			
All Races White White Hispanice White Non-Hispanice Black Asian/Pacific Islander Amer Ind/Alaska Nat Total U.S.	Rate per Total 3.9 4.2 2.1 4.4 3.2 1.6	100,00 Males 7.0 7.4 3.9 7.8 5.3 2.8	0 persons Females 1.4 1.4 0.8 1.5 1.6	Total -1.1* -0.6* -1.2* -0.4* -4.7* -1.2*	AAPC (% Males -1.1* -0.7* -1.1* -0.5* -4.8* -1.1*	-1.6* -1.0* -2.3* -0.9* -4.4* -2.1*			
All Races White White Hispanice White Non-Hispanice Black Asian/Pacific Islander Amer Ind/Alaska Nat	3.9 4.2 2.1 4.4 3.2 1.6	100,00 Males 7.0 7.4 3.9 7.8 5.3 2.8	0 persons Females 1.4 1.4 0.8 1.5 1.6 0.7	Total -1.1* -0.6* -1.2* -0.4* -4.7* -1.2*	AAPC (% Males -1.1* -0.7* -1.1* -0.5* -4.8* -1.1*	-1.6* -1.0* -2.3* -0.9* -4.4* -2.1*			
All Races White White Hispanice White Non-Hispanice Black Asian/Pacific Islander Amer Ind/Alaska Nat Total U.S.	Rate per Total 3.9 4.2 2.1 4.4 3.2 1.6	100,00 Males 7.0 7.4 3.9 7.8 5.3 2.8	0 persons Females 1.4 1.4 0.8 1.5 1.6 0.7	Total -1.1* -0.6* -1.2* -0.4* -4.7* -1.2*	AAPC (% Males -1.1* -0.7* -1.1* -0.5* -4.8* -1.1*	-1.6* -1.0* -2.3* -0.9* -4.4* -2.1*			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.8, April 2020, National Cancer Institute. Statistic not shown. Rate based on less than 16 cases for the time interval.

а

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

Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, b

Utah, and Atlanta.

The SEER 21 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts.
The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over

diagnosis years 2000-2017.

d The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2017.

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.

Incidence data for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) counties.

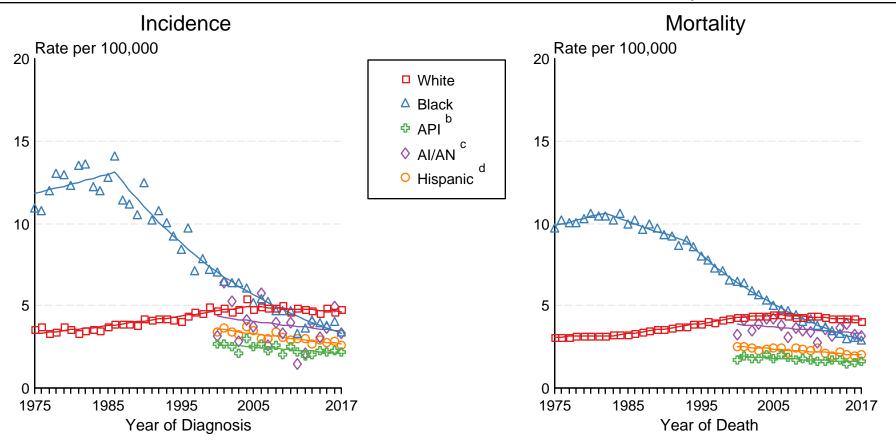
US Mortality Files, National Center for Health Statistics, CDC. The 2008-2017 mortality AAPCs are based on a Joinpoint analysis using years of death 2000-2017.

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

Figure 8.2

SEER Incidence and US Death Rates^a Cancer of the Esophagus, Both Sexes

Joinpoint Analyses for Whites and Blacks from 1975-2017 and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 2000-2017



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 21 areas (SEER 9 areas, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts).

- 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 4.8, April 2020, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2017 period allow a maximum of 5 joinpoints. Analyses for other ethnic groups during the period 2000-2017 allow a maximum of 3 joinpoints.
- b API = Asian/Pacific Islander.
- c Al/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) 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 9.15 Hodgkin Lymphoma

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

SEER Incidence	Rate	21 Are 2013-2 100,00			ER 21 Ar nd 2008- AAPC (%	2017 ^c	Tren	R 9 Are d 2008-2 AAPC (%	2017 ^d
Race/Ethnicity	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	2.6	2.9	2.3	-1.7*	-1.8*	-1.2*	-2.3*	-2.5	-2.1*
White	2.8	3.1	2.5	-1.9*			-2.4*	-2.5*	-2.3*
	2.8	2.7	2.5	-1.9° -3.0			-2.4~	-2.5^	-2.3^
White Hispanice								_	
White Non-Hispanic ^e	3.0	3.3	2.7	-1.6*	-1.6*	-0.9*	_	_	-
Black	2.7	3.1	2.3	-1.4*	-2.1	0.6	0.9*	0.5*	-1.0
Asian/Pacific Islander	1.3	1.5	1.1	0.2	0.3	0.2	-	-	=
Amer Ind/Alaska Nat ^f	1.3	1.2	1.3	2.6*	-0.2	-	-	-	=
Hispanic ^e	2.4	2.6	2.1	-0.8*	-1.5*	0.0	-	-	=
U.S. Mortality ^g									
		2013-2 100,00	017 O persons		nd 2008- AAPC (%				
		100,00			AAPC (%				
Race/Ethnicity	Rate per	100,00	0 persons		AAPC (%)			
Race/Ethnicity All Races	Rate per	100,00	0 persons		AAPC (% Males	Females_			
-	Rate per	100,00 Males	0 persons Females	Total	AAPC (% Males -2.9*	Females -3.7*			
All Races	Rate per Total 0.3	100,00 Males	0 persons Females		AAPC (% Males -2.9* -2.8*	Females -3.7* -3.7*			
All Races White	Rate per Total 0.3 0.3	100,00 Males 0.4 0.4	0 persons Females 0.2 0.2		AAPC (% Males -2.9* -2.8* -2.1*	-3.7* -3.7* -0.8			
All Races White White Hispanic ^e	0.3 0.3 0.4	100,00 Males 0.4 0.4 0.5	0 persons Females 0.2 0.2 0.2 0.3	Total -4.3* -4.2* -1.5*	AAPC (% Males -2.9* -2.8* -2.1*	-3.7* -3.7* -0.8			
All Races White White Hispanice White Non-Hispanice	0.3 0.3 0.4 0.3	0.4 0.4 0.5 0.4	0 persons Females 0.2 0.2 0.3 0.2	Total -4.3* -4.2* -1.5* -4.7*	AAPC (% Males -2.9* -2.8* -2.1* -3.0*	-3.7* -3.7* -0.8 -4.1*			
All Races White White Hispanice White Non-Hispanice	0.3 0.3 0.4 0.3	0.4 0.4 0.5 0.4	0 persons Females 0.2 0.2 0.3 0.2 0.2	Total -4.3* -4.2* -1.5* -4.7* -3.0*	-2.9* -2.8* -2.1* -3.0*	-3.7* -3.7* -0.8 -4.1* -3.1*			
All Races White White Hispanice White Non-Hispanice Black Asian/Pacific Islander	0.3 0.3 0.4 0.3	0.4 0.4 0.5 0.4	0 persons Females 0.2 0.2 0.3 0.2 0.2	Total -4.3* -4.2* -1.5* -4.7* -3.0*	-2.9* -2.8* -2.1* -3.0*	-3.7* -3.7* -0.8 -4.1* -3.1*			
All Races White White Hispanice White Non-Hispanice Black Asian/Pacific Islander Amer Ind/Alaska Nat	0.3 0.3 0.4 0.3 0.3	100,00 Males 0.4 0.5 0.4 0.3	0 persons Females 0.2 0.2 0.3 0.2 0.1	Total -4.3* -4.2* -1.5* -4.7* -3.0*	-2.9* -2.8* -2.1* -3.0* -2.9*	-3.7* -3.7* -0.8 -4.1* -3.1*			
All Races White White Hispanice White Non-Hispanice Black Asian/Pacific Islander Amer Ind/Alaska Nat Total U.S.	Rate per Total 0.3 0.3 0.4 0.3 0.1	100,00 Males 0.4 0.5 0.4 0.3	0 persons Females 0.2 0.2 0.3 0.2 0.1	Total -4.3* -4.2* -1.5* -4.7* -3.0* -3.3*	-2.9* -2.8* -2.1* -3.0* -2.9*	-3.7* -3.7* -0.8 -4.1* -3.1*			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.8, April 2020, National Cancer Institute. Statistic not shown. Rate based on less than 16 cases for the time interval.

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

Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, а b

Utah, and Atlanta.

The SEER 21 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts.
The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over

diagnosis years 2000-2017.

d The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2017.

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.

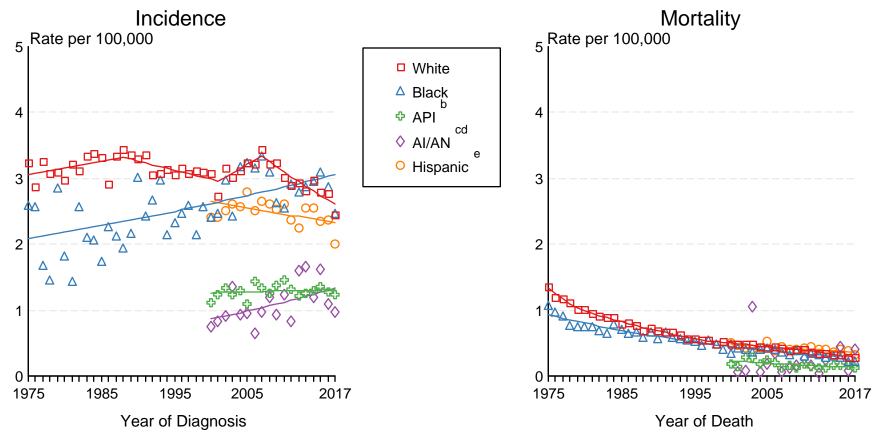
Incidence data for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) counties.

US Mortality Files, National Center for Health Statistics, CDC. The 2008-2017 mortality AAPCs are based on a Joinpoint analysis using years of death 2000-2017. The APC is significantly different from zero (p<.05).

Figure 9.2

SEER Incidence and US Death Rates^a Hodgkin Lymphoma, Both Sexes

Joinpoint Analyses for Whites and Blacks from 1975-2017 and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 2000-2017



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 21 areas (SEER 9 areas, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts).

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 4.8, April 2020, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2017 period allow a maximum of 5 joinpoints. Analyses for other ethnic groups during the period 2000-2015 allow a maximum of 3 joinpoints.
 b API = Asian/Pacific Islander.
- ^c Al/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) counties.

^d Joinpoint could not fit a regression line for American Indian/Alaska Native Incidence 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.

Table 10.13 Kaposi Sarcoma

SEER Incidence Age-Adjusted Rates and Trends^a By Race/Ethnicity and Sex

SEER Incidence		21 Area 2013-20 100,000	17	~-	ER 21 Ar nd 2008-1 AAPC (%	2017°		ER 9 Are d 2008-2 AAPC (%	2017 ^d
Race/Ethnicity	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	0.5	0.9	0.1	-3.0*	-3.1*	-3.4*	-2.3*	-2.4*	-3.3*
White White Hispanic ^e White Non-Hispanic ^e	0.4 0.6 0.3	0.7 1.2 0.6	0.1 0.1 0.1		-3.8* -4.8* -3.9*	-17.5	-3.2* - -	-3.3* - -	-4.1* - -
Black	1.0	2.0	0.2	-2.7*	-2.7*	-3.6*	-1.3*	-1.5*	
Asian/Pacific Islander	0.2	0.4	-	-1.1	-0.3	-	-	-	-
Amer Ind/Alaska Nat ^f	-	-	-	-	-	-	-	-	_
Hispanic ^e	0.7	1.3	0.2	-4.3*	-4.3*	-3.9*	-	-	_

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.8, April 2020, 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

а are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, b

Utah, and Atlanta.

The SEER 21 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts.

The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over

diagnosis years 2000-2017.

d The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2017.

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.

Incidence data for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) counties.

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

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

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

SEER Incidence	Rate	R 21 Are 2013-2 100,00			ER 21 Ar d 2008- AAPC (%	2017°		ER 9 Are d 2008-: AAPC (%	2017 ^d
	Total	Males	Females	Total	Males	Females	Total	Males	Females
Race/Ethnicity									
All Races	16.3	22.4	11.1	0.4*	0.0	0.3	0.2	0.3	-0.1
White	16.8	23.0	11.4	0.4*	0.4	0.4*	0.2	0.3	-0.2
White Hispanic ^e	16.7	22.2	12.2	0.1	0.7*	0.6	-	-	=
White Non-Hispanic ^e	16.9	23.3	11.3	0.4*	0.3*	0.2	=	-	-
Black	17.5	24.5	12.2	0.4	0.2	0.2	0.2	-0.2	0.4
Asian/Pacific Islander	8.8	12.5	5.8	0.7	2.0*	1.6*	-	-	-
Amer Ind/Alaska Nat ^f	17.9	22.9	13.7	0.8	1.0	0.3	-	-	-
Hispanic ^e	16.1	21.4	11.7	1.2*	0.9*	1.9*	-	-	-
U.S. Mortality ^g				_		h.			
		2013-2	017 O persons		d 2008- AAPC (%				
		100,00			AAPC (%				
Race/Ethnicity	Rate per	100,00	0 persons		AAPC (%)			
Race/Ethnicity All Races	Rate per	100,00	0 persons		AAPC (%) Females			
•	Rate per <u>Total</u>	100,00 Males	0 persons Females	Total	AAPC (% Males -1.4*	Females -1.4*			
All Races	Rate per	100,00 Males 5.4	0 persons Females 2.3		AAPC (% Males -1.4*	Females -1.4* -1.3*			
All Races White	Rate per Total 3.7 3.8	100,00 Males 5.4 5.6	0 persons Females 2.3 2.4	Total -1.4* -1.3*	Males -1.4*	Females -1.4* -1.3* -0.3			
All Races White White Hispanice	3.7 3.8 3.7	100,00 Males 5.4 5.6 5.3	0 persons Females 2.3 2.4 2.4	Total -1.4* -1.3* -0.4	AAPC (% Males -1.4* -1.4* -0.6*	Females -1.4* -1.3* -0.3			
All Races White White Hispanice White Non-Hispanice	3.7 3.8 3.7 3.8	5.4 5.6 5.3 5.6	0 persons Females 2.3 2.4 2.4 2.4	Total -1.4* -1.3* -0.4 -1.3*	Males -1.4* -1.4* -1.4* -1.4*	-1.4* -1.3* -0.3 -1.4*			
All Races White White Hispanice White Non-Hispanice	3.7 3.8 3.7 3.8 3.7	5.4 5.6 5.3 5.6 5.4 2.6	0 persons Females 2.3 2.4 2.4 2.4 2.2	Total -1.4* -1.3* -0.4 -1.3* -1.2*	Males -1.4* -1.4* -0.6* -1.4*	Females -1.4* -1.3* -0.3 -1.4* -1.5*			
All Races White White Hispanice White Non-Hispanice Black Asian/Pacific Islander Amer Ind/Alaska Nat Total U.S.	3.7 3.8 3.7 3.8 3.7 3.8 3.6 1.7	5.4 5.6 5.3 5.6 5.4 2.6	0 persons Females 2.3 2.4 2.4 2.4 2.2 1.1	Total -1.4* -1.3* -0.4 -1.3* -1.2* -2.2*	AAPC (% Males -1.4* -1.4* -0.6* -1.4* -1.0* -2.2*	Pemales -1.4* -1.3* -0.3 -1.4* -1.5* -0.9			
All Races White White Hispanice White Non-Hispanice Black Asian/Pacific Islander Amer Ind/Alaska Nat Total U.S. PRCDA Counties	3.7 3.8 3.7 3.8 3.7 3.8	5.4 5.6 5.3 5.6 5.4 2.6	0 persons Females 2.3 2.4 2.4 2.4 2.1 1.1	Total -1.4* -1.3* -0.4 -1.3* -1.2* -2.2*	AAPC (% Males -1.4* -1.4* -0.6* -1.4* -1.0* -0.1	Females -1.4* -1.3* -0.3 -1.4* -1.5* -0.9			
All Races White White Hispanice White Non-Hispanice Black Asian/Pacific Islander Amer Ind/Alaska Nat Total U.S.	3.7 3.8 3.7 3.8 3.7 3.8 3.6 1.7	5.4 5.6 5.3 5.6 5.4 2.6	0 persons Females 2.3 2.4 2.4 2.4 2.2 1.1	Total -1.4* -1.3* -0.4 -1.3* -1.2* -2.2*	AAPC (% Males -1.4* -1.4* -0.6* -1.4* -1.0* -2.2*	Pemales -1.4* -1.3* -0.3 -1.4* -1.5* -0.9			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.8, April 2020, National Cancer Institute. Statistic not shown. Rate based on less than 16 cases for the time interval.

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

Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, а b

Utah, and Atlanta.

The SEER 21 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts.
The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over

diagnosis years 2000-2017.

d The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2017.

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.

Incidence data for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) counties.

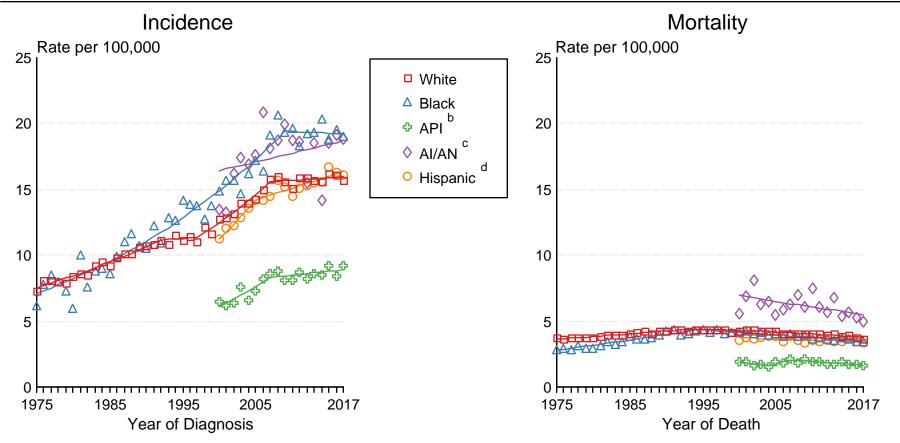
US Mortality Files, National Center for Health Statistics, CDC.

The 2008-2017 mortality AAPCs are based on a Joinpoint analysis using years of death 2000-2017. The APC is significantly different from zero (p<.05).

SEER Incidence and US Death Rates^a Cancer of the Kidney and Renal Pelvis, Both Sexes

Joinpoint Analyses for Whites and Blacks from 1975-2017

and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 2000-2017



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 21 areas (SEER 9 areas, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts).

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 4.8, April 2020, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2017 period allow a maximum of 5 joinpoints. Analyses for other ethnic groups during the period 2000-2017 allow a maximum of 3 joinpoints.

b API = Asian/Pacific Islander.

- c Al/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) 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 12.15 Cancer of the Larynx (Invasive)

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

SEER Incidence	Rate	21 Are 2013-2 100,00			ER 21 Ar d 2008- AAPC (%	2017 ^c	Tren	R 9 Are d 2008-2 AAPC (%	2017 ^d
D (D) 1 1 1	Total	Males	Females	Total	Males	Females	Total	Males	Females
Race/Ethnicity									
All Races	2.9	5.0	1.1	-3.0*	-3.1*	-2.3*	-2.4*	-2.5*	-2.6*
White	2.9	5.1	1.1	-3.0*	-3.1*	-2.2*	-2.3*	-2.5*	-2.3*
White Hispanic ^e	2.2	4.2	0.6	-3.0*			-	-	_
White Non-Hispanic ^e	3.1	5.3	1.2	-2.5*	-2.3*	-1.9*	-	-	-
Black	3.9	7.3	1.4	-2.9*	-3.2*	-2.2*	-2.7*	-2.6*	-3.0*
Asian/Pacific Islander	1.0	2.0	0.2	-1.5	-1.5	-1.8	-	-	-
Amer Ind/Alaska Nat ^f	2.1	3.6	0.9	0.3	1.1	-	-	-	-
Hispanic ^e	2.2	4.2	0.6	-2.8*	-3.0*	-2.8*	-	-	-
U.S. Mortality ^g									
		2013-2	017 O persons		d 2008- AAPC (%				
		100,00			AAPC (%				
Race/Ethnicity	Rate per	100,00	0 persons		AAPC (%)			
	Rate per	100,00	0 persons		AAPC (% <u>Males</u>) Females			
Race/Ethnicity	Rate per	100,00 Males	0 persons Females	Total	AAPC (% Males -2.5*	Females -2.3*			
Race/Ethnicity All Races	Rate per	100,00 Males 1.7	0 persons Females		Males -2.5*	Females -2.3* -2.1*			
Race/Ethnicity All Races White	Rate per Total 1.0 0.9	100,00 Males 1.7 1.7	0 persons Females 0.4 0.4		AAPC (% Males -2.5* -2.2* -2.5*	Females -2.3* -2.1* -3.0*			
Race/Ethnicity All Races White White Hispanice	Total 1.0 0.9 0.7	100,00 Males 1.7 1.7 1.5	0 persons Females 0.4 0.4 0.1	Total -2.3* -2.0* -2.4*	AAPC (% Males -2.5* -2.2* -2.5*	Females -2.3* -2.1* -3.0*			
Race/Ethnicity All Races White White Hispanice White Non-Hispanice	Total 1.0 0.9 0.7 1.0	1.7 1.7 1.5 1.7	0 persons Females 0.4 0.4 0.1 0.4	Total -2.3* -2.0* -2.4* -1.9*	AAPC (% Males -2.5* -2.2* -2.5*	Pemales -2.3* -2.1* -3.0* -1.9* -0.4			
Race/Ethnicity All Races White White Hispanice White Non-Hispanice	1.0 0.9 0.7 1.0	100,00 Males 1.7 1.7 1.5 1.7	0 persons Females 0.4 0.4 0.1 0.4 0.5	Total -2.3* -2.0* -2.4* -1.9* -3.5*	AAPC (% Males -2.5* -2.2* -2.5* -2.7*	Pemales -2.3* -2.1* -3.0* -1.9* -0.4			
Race/Ethnicity All Races White White Hispanice White Non-Hispanice Black Asian/Pacific Islander	1.0 0.9 0.7 1.0	100,00 Males 1.7 1.7 1.5 1.7	0 persons Females 0.4 0.4 0.1 0.4 0.5	Total -2.3* -2.0* -2.4* -1.9* -3.5* -2.1*	AAPC (% Males -2.5* -2.2* -2.2* -3.7* -2.5*	Pemales -2.3* -2.1* -3.0* -1.9* -0.4 -0.7			
Race/Ethnicity All Races White White Hispanice White Non-Hispanice Black Asian/Pacific Islander Amer Ind/Alaska Nat	1.0 0.9 0.7 1.0 1.6	1.7 1.7 1.5 1.7 3.0	0 persons Females 0.4 0.4 0.1 0.4 0.5	Total -2.3* -2.0* -2.4* -1.9* -3.5* -2.1*	AAPC (% Males -2.5* -2.2* -2.2* -3.7* -2.5*	Pemales -2.3* -2.1* -3.0* -1.9* -0.4 -0.7			
Race/Ethnicity All Races White White Hispanice White Non-Hispanice Black Asian/Pacific Islander Amer Ind/Alaska Nat Total U.S.	1.0 0.9 0.7 1.0 1.6 0.3	100,00 Males 1.7 1.7 1.5 1.7 3.0 0.6	0 persons Females 0.4 0.4 0.1 0.4 0.5 0.1	Total -2.3* -2.0* -2.4* -1.9* -3.5* -2.1*	AAPC (% Males -2.5* -2.2* -2.2* -3.7* -2.5*	Pemales -2.3* -2.1* -3.0* -1.9* -0.4 -0.7			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.8, April 2020, National Cancer Institute. Statistic not shown. Rate based on less than 16 cases for the time interval.

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

Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, а b

Utah, and Atlanta.

The SEER 21 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts.
The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over

diagnosis years 2000-2017.

d The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2017.

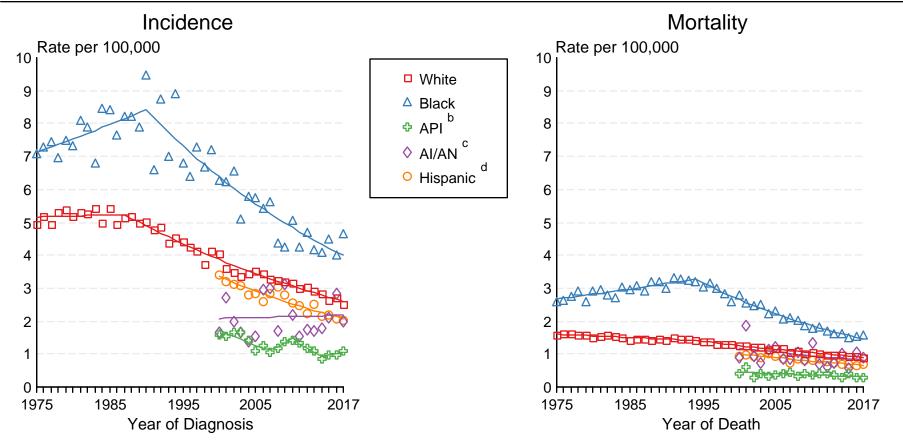
Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry.

Incidence data for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) counties.

US Mortality Files, National Center for Health Statistics, CDC. The 2008-2017 mortality AAPCs are based on a Joinpoint analysis using years of death 2000-2017. The APC is significantly different from zero (p<.05).

SEER Incidence and US Death Rates^a Cancer of the Larynx, Both Sexes

Joinpoint Analyses for Whites and Blacks from 1975-2017 and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 2000-2017



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 21 areas (SEER 9 areas, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts).

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 4.8, April 2020, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2017 period allow a maximum of 5 joinpoints. Analyses for other ethnic groups during the period 2000-2017 allow a maximum of 3 joinpoints.

b API = Asian/Pacific Islander.

- c Al/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) 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 13.23 Leukemia

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

SEER Incidence	Rate	21 Are 2013-2 100,00			ER 21 And 2008-	2017 ^c		ER 9 Are d 2008-2 AAPC (%	2017 ^d
Race/Ethnicity	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	14.1	18.1	11.0	-0.5	-0.6	-0.5	-0.3	0.2*	0.3*
White White Hispanic ^e White Non-Hispanic ^e	15.0 11.3 15.4	19.2 13.6 19.8	11.6 9.4 11.8	-0.6 0.1 -0.5	-0.7 -0.2 -0.7	-0.6 0.2 -0.5	-0.3 - -	0.3*	0.5* - -
Black	10.8	13.6	8.9	0.1	0.1	0.4	0.1	0.1	0.2
Asian/Pacific Islander	8.0	9.9	6.5	0.2	0.2	0.3	-		-
Amer Ind/Alaska Nat ^f	8.1	10.7	6.0	0.4	1.7	-0.6	-		-
Hispanic ^e	10.9	13.2	9.1	0.2	0.0	0.3	_	=	_
U.S. Mortality ^g									
		2013-2	017 0 persons		nd 2008- AAPC (%				
Race/Ethnicity		100,00			AAPC (%				
	Rate per	100,00	0 persons		AAPC (% Males) Females			
Race/Ethnicity	Rate per	100,00 Males	0 persons Females	Total	AAPC (% Males -1.7* -1.6* -0.9*	Females -1.3* -1.2* -0.6*			
Race/Ethnicity All Races White White Hispanice	Rate per Total 6.4 6.7 4.9	100,00 Males 8.6 8.9 6.2	0 persons Females 4.8 5.0 4.0	Total -1.6* -1.5* -0.7*	AAPC (% Males -1.7* -1.6* -0.9*	Females -1.3* -1.2* -0.6* -1.3*			
Race/Ethnicity All Races White White Hispanice White Non-Hispanice	Rate per Total 6.4 6.7 4.9 6.8	100,00 Males 8.6 8.9 6.2 9.1	0 persons Females 4.8 5.0 4.0 5.0	Total -1.6* -1.5* -1.5*	AAPC (% Males -1.7* -1.6* -0.9* -1.6*	Females -1.3* -1.2* -0.6* -1.3*			
Race/Ethnicity All Races White White Hispanice White Non-Hispanice	Rate per Total 6.4 6.7 4.9 6.8 5.4	100,00 Males 8.6 8.9 6.2 9.1 7.0	0 persons Females 4.8 5.0 4.0 5.0 4.3	Total -1.6* -1.5* -0.7* -1.5* -1.6*	AAPC (% Males -1.7* -1.6* -1.6* -1.8* -0.4	Females -1.3* -1.2* -0.6* -1.3* -1.5* -2.6*			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.8, April 2020, National Cancer Institute. Statistic not shown. Rate based on less than 16 cases for the time interval.

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

Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, а b

Utah, and Atlanta.

The SEER 21 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts.
The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over

diagnosis years 2000-2017.

d The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2017.

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.

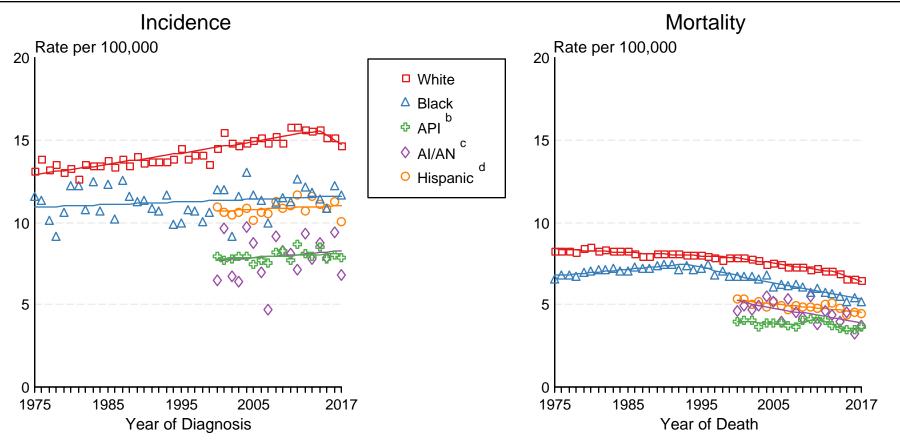
Incidence data for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) counties.

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

The 2008-2017 mortality AAPCs are based on a Joinpoint analysis using years of death 2000-2017. The APC is significantly different from zero (p<.05).

SEER Incidence and US Death Rates^a Leukemia, Both Sexes

Joinpoint Analyses for Whites and Blacks from 1975-2017 and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 2000-2017



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 21 areas (SEER 9 areas, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts).

- 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 4.8, April 2020, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2017 period allow a maximum of 5 joinpoints. Analyses for other ethnic groups during the period 2000-2017 allow a maximum of 3 joinpoints.
- b API = Asian/Pacific Islander.
- c Al/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) 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 14.15 Cancer of the Liver and Intrahepatic Bile Duct (Invasive)

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

SEER Incidence	Rate	R 21 Are e 2013-2 r 100,00			ER 21 And 2008-	2017 ^c	Tren	R 9 Are d 2008-1 AAPC (%	2017 ^d
	Total	Males	Females	Total	Males	Females	Total	Males	Females
Race/Ethnicity									
All Races	9.0	13.8	4.8	1.1*	0.8	1.7*	1.7*	1.4*	2.7*
White	8.1	12.4	4.4	1.7*	1.2*		2.4*	1.9*	
White Hispanic ^e White Non-Hispanic ^e	14.2 7.2	21.1 11.0	8.3 3.8	0.2 2.0*	-0.5 1.3*		_	_	_
WHITE NOH-HISPAHIE	7.2	11.0	3.0	2.0	1.3	2.9			
Black	10.7	17.7	5.4	1.1	0.9	1.0	0.7	0.4	2.8*
Asian/Pacific Islander	12.9	19.9	7.2	-2.3*	-2.1*	-3.0	-	-	=
Amer Ind/Alaska Nat ^f	14.9	21.6	9.0	2.9*	3.3*	2.1*	-	-	-
Hispanic ^e	13.7	20.3	8.1	0.5	0.2	2.1*	-	-	-
U.S. Mortality ^g		e 2013-2	017 0 persons		nd 2008- AAPC (%				
	Total	Males	Females	Total	Males	Females			
Race/Ethnicity									
All Races	6.6	9.6	4.0	2.0*	1.7*	2.4*			
White	6.2	9.0	3.8	2.3*	2.1*				
White Hispanic ^e	9.9	14.1	6.4	1.5*	0.9*				
White Non-Hispanic ^e	5.8	8.4	3.5	2.3*	2.1*	2.2*			
Black	8.4	13.2	4.8	1.4*	1.2*	1.7*			
Asian/Pacific Islander	9.1	13.5	5.6	-1.2*	-1.4*	-1.4*			
Amer Ind/Alaska Nat Total U.S.	7.5 10.6	10.4 14.8	5.0 7.1	1.2* 1.8*	1.6* 2.3*				
PRCDA Counties Non-PRCDA Counties			/ 1			II X			
Non-PRODA Counties	4.0	5.7	2.4	1.0	1.2	0.6			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.8, April 2020, National Cancer Institute. Statistic not shown. Rate based on less than 16 cases for the time interval.

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

Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, а b

Utah, and Atlanta.

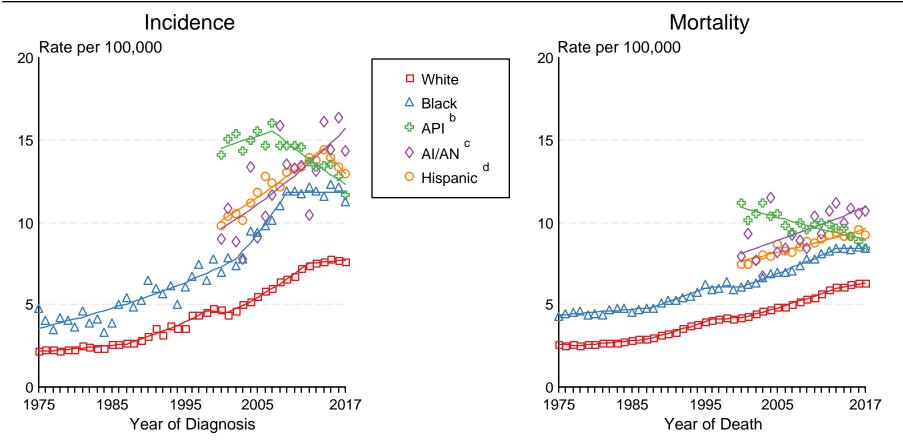
The SEER 21 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts.
The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over

diagnosis years 2000-2017.

- d The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2017.
- 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.
- Incidence data for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) counties.
- US Mortality Files, National Center for Health Statistics, CDC. The 2008-2017 mortality AAPCs are based on a Joinpoint analysis using years of death 2000-2017. The APC is significantly different from zero (p<.05).

SEER Incidence and US Death Rates^a Cancer of the Liver and Intrahepatic Bile Duct, Both Sexes

Joinpoint Analyses for Whites and Blacks from 1975-2017 and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 2000-2017



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 21 areas (SEER 9 areas, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts).

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 4.8, April 2020, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2017 period allow a maximum of 5 joinpoints. Analyses for other ethnic groups during the period 2000-2017 allow a maximum of 3 joinpoints.

- c Al/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) 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 15.21 Lung and Bronchus (Invasive)

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

SEER Incidence	Rate	R 21 Are 2013-2			ER 21 Ar d 2008- AAPC (%	2017 ^c	Tren	CR 9 Area d 2008-2 AAPC (%	:017 ^d
Danie (Debui alter	Total	Males	Females	Total	Males	Females	Total	Males	Females
Race/Ethnicity									
All Races	54.2	61.7	48.6	-2.1*	-2.9*	-1.5*	-2.2*	-2.9*	-1.6*
White	56.0	62.2	51.5	-2.1*	-2.9*	-1.5*	-2.2*	-2.9*	-1.6*
White Hispanic ^e	29.6	35.8	25.4	-2.5*	-3.6*	-1.4*	_	_	_
White Non-Hispanic ^e	60.2	66.2	55.8	-1.9*	-2.7*	-1.3*	-	-	-
Black	54.8	71.2	43.8	-2.6*	-2.9*	-1.9*	-2.8*	-3.0*	-2.1*
Asian/Pacific Islander	36.2	46.2	28.6	-0.9*	-1.6*	0.1	_	-	-
Amer Ind/Alaska Nat ^f	38.1	43.5	34.3	-1.6*	-2.1*	-1.0	_	-	-
Hispanic ^e	29.0	35.1	24.8	-2.2*	-3.2*	-1.1*	-	-	-
U.S. Mortality ^g									
		2013-2 100,00	017 0 persons		d 2008- AAPC (%				
		100,00			AAPC (%				
Race/Ethnicity	Rate per	100,00	0 persons		AAPC (%)			
	Rate per	100,00	0 persons		AAPC (% <u>Males</u>) Females			
Race/Ethnicity	Rate per <u>Total</u>	100,00 Males	0 persons Females	Total	AAPC (% <u>Males</u> -3.9*	Females -2.7*			
Race/Ethnicity All Races White	Total 40.2 41.0	100,00 Males 49.3	0 persons Females 33.2		AAPC (% Males -3.9* -3.8*	Females -2.7* -2.6*			
Race/Ethnicity All Races	Rate per Total 40.2	100,00 Males 49.3 49.4	0 persons Females 33.2 34.5		AAPC (% Males -3.9* -3.8* -4.0*	Females -2.7* -2.6* -2.1*			
Race/Ethnicity All Races White White Hispanice	Rate per	100,00 Males 49.3 49.4 25.5	0 persons Females 33.2 34.5 13.4	Total -3.3* -3.2* -3.2*	AAPC (% Males -3.9* -3.8* -4.0*	Females -2.7* -2.6* -2.1*			
Race/Ethnicity All Races White White Hispanice White Non-Hispanice	Total 40.2 41.0 18.5 43.4	49.3 49.4 25.5 51.8	0 persons Females 33.2 34.5 13.4 36.8	Total -3.3* -3.2* -3.2* -3.1*	AAPC (% Males -3.9* -3.8* -4.0* -3.6*	Pemales -2.7* -2.6* -2.1* -2.5* -3.1*			
Race/Ethnicity All Races White White Hispanice White Non-Hispanice	Total 40.2 41.0 18.5 43.4 42.3	49.3 49.4 25.5 51.8 58.8	0 persons Females 33.2 34.5 13.4 36.8 31.1	Total -3.3* -3.2* -3.2* -3.1* -3.7*	AAPC (% Males -3.9* -3.8* -4.0* -3.6* -4.4*	Pemales -2.7* -2.6* -2.1* -2.5* -3.1*			
Race/Ethnicity All Races White White Hispanice White Non-Hispanice Black Asian/Pacific Islander	Total 40.2 41.0 18.5 43.4 42.3	49.3 49.4 25.5 51.8 58.8	0 persons Females 33.2 34.5 13.4 36.8 31.1	Total -3.3* -3.2* -3.2* -3.1* -3.7*	AAPC (% Males -3.9* -3.8* -4.0* -3.6* -4.4* -2.9*	-2.7* -2.6* -2.1* -2.5* -3.1* -1.8*			
Race/Ethnicity All Races White White Hispanice White Non-Hispanice Black Asian/Pacific Islander Amer Ind/Alaska Nat	Ante per Total 40.2 41.0 18.5 43.4 42.3 22.2	49.3 49.4 25.5 51.8 58.8 29.3	0 persons Females 33.2 34.5 13.4 36.8 31.1 16.9	Total -3.3* -3.2* -3.2* -3.1* -3.7* -2.2*	AAPC (% Males -3.9* -3.8* -4.0* -3.6* -4.4* -2.9*	Pemales -2.7* -2.6* -2.1* -2.5* -3.1* -1.8*			
Race/Ethnicity All Races White White Hispanice White Non-Hispanice Black Asian/Pacific Islander Amer Ind/Alaska Nat Total U.S.	Rate per Total 40.2 41.0 18.5 43.4 42.3 22.2	100,00 Males 49.3 49.4 25.5 51.8 58.8 29.3	0 persons Females 33.2 34.5 13.4 36.8 31.1 16.9 21.9	Total -3.3* -3.2* -3.2* -3.1* -3.7* -2.2*	AAPC (% Males -3.9* -3.8* -4.0* -3.6* -4.4* -2.9*	Pemales -2.7* -2.6* -2.1* -2.5* -3.1* -1.8*			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.8, April 2020, National Cancer Institute. Statistic not shown. Rate based on less than 16 cases for the time interval.

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

Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, а b

Utah, and Atlanta. The SEER 21 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska

Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts.
The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over

diagnosis years 2000-2017. d

The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2017.

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.

Incidence data for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) counties.

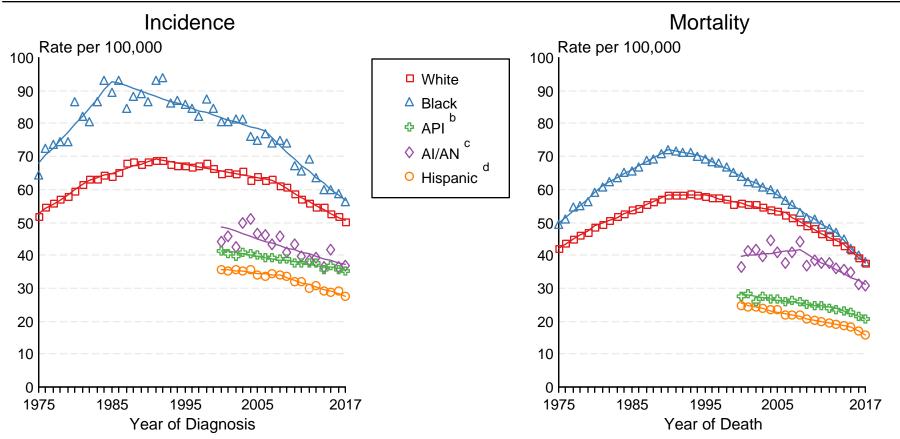
US Mortality Files, National Center for Health Statistics, CDC.

The 2008-2017 mortality AAPCs are based on a Joinpoint analysis using years of death 2000-2017. The APC is significantly different from zero (p<.05).

SEER Incidence and US Death Rates^a Cancer of the Lung and Bronchus, Both Sexes

Joinpoint Analyses for Whites and Blacks from 1975-2017

and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 2000-2017



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 21 areas (SEER 9 areas, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts).

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 4.8, April 2020, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2017 period allow a maximum of 5 joinpoints. Analyses for other ethnic groups during the period 2000-2017 allow a maximum of 3 joinpoints.

- c Al/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) 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 16.15 Melanoma of the Skin (Invasive)

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

SEER Incidence	Rate	21 Are 2013-2 100,00			ER 21 Ar nd 2008- AAPC (%	2017 ^c	Tren	R 9 Are d 2008-2 AAPC (%	2017 ^d
D (D) 1 1 1	Total	Males	Females	Total	Males	Females	Total	Males	Females
Race/Ethnicity									
All Races	22.7	29.3	17.8	1.2*	1.2*	1.0*	1.5*	1.4*	1.5*
White	27.2	34.6	21.7	1.2*	1.2*		1.7*	1.5*	1.3
White Hispanic ^e	5.0	5.2	5.0	0.4	0.1		-	-	=
White Non-Hispanic ^e	31.9	39.9	26.0	1.6*	1.6*	1.5*	-	_	-
Black	1.0	1.1	0.9	-0.3	-0.6	-0.1	-0.3	-0.5	-0.3
Asian/Pacific Islander	1.4	1.6	1.2	-0.8	-0.7	-0.9	-	-	-
Amer Ind/Alaska Nat ^f	5.3	5.9	5.0	0.9	-1.0	3.3*	-	-	-
Hispanic ^e	4.8	5.0	4.9	0.5	0.2	0.6	-	-	-
U.S. Mortality ^g									
		2013-2	017 O persons		nd 2008- AAPC (%				
		100,00			AAPC (%				
Race/Ethnicity	Rate per	100,00	0 persons		AAPC (%)			
Race/Ethnicity All Races	Rate per	100,00	0 persons		AAPC (% Males) Females			
-	Rate per	100,00 Males	0 persons Females	Total	AAPC (% Males -3.2*	Females -3.0*			
All Races	Rate per Total	100,00 Males 3.5	0 persons Females		Males -3.2* -3.0*	Females -3.0* -2.8*			
All Races White	Rate per Total 2.4 2.8	100,000 Males 3.5 4.1	0 persons Females 1.5 1.7		Males -3.2* -3.0*	Females -3.0* -2.8* -1.2*			
All Races White White Hispanic ^e	2.4 2.8 0.7	100,00 Males 3.5 4.1 1.0	0 persons Females 1.5 1.7 0.6	Total -2.9* -2.7* -0.9*	AAPC (% Males -3.2* -3.0* -0.7	Females -3.0* -2.8* -1.2*			
All Races White White Hispanic ^e White Non-Hispanic ^e	2.4 2.8 0.7 3.0	3.5 4.1 1.0 4.5	0 persons Females 1.5 1.7 0.6 1.9	Total -2.9* -2.7* -0.9* -2.5*	AAPC (% Males -3.2* -3.0* -0.7 -2.8*	-3.0* -2.8* -1.2* -2.6* -2.5*			
All Races White White Hispanice White Non-Hispanice	2.4 2.8 0.7 3.0	100,00 Males 3.5 4.1 1.0 4.5 0.4	0 persons Females 1.5 1.7 0.6 1.9 0.3	Total -2.9* -2.7* -0.9* -2.5* -2.1*	AAPC (% Males -3.2* -3.0* -0.7 -2.8*	-3.0* -2.8* -1.2* -2.6* -2.5*			
All Races White White Hispanice White Non-Hispanice Black Asian/Pacific Islander	2.4 2.8 0.7 3.0	100,00 Males 3.5 4.1 1.0 4.5 0.4	0 persons Females 1.5 1.7 0.6 1.9 0.3	Total -2.9* -2.7* -0.9* -2.5* -2.1*	AAPC (% Males -3.2* -3.0* -0.7 -2.8* -1.6 -2.0*	-3.0* -2.8* -1.2* -2.6* -2.5*			
All Races White White Hispanice White Non-Hispanice Black Asian/Pacific Islander Amer Ind/Alaska Nat	2.4 2.8 0.7 3.0 0.3	100,00 Males 3.5 4.1 1.0 4.5 0.4 0.4	0 persons Females 1.5 1.7 0.6 1.9 0.3 0.3	Total -2.9* -2.7* -0.9* -2.5* -2.1*	AAPC (% Males -3.2* -3.0* -0.7 -2.8* -1.6 -2.0*	-3.0* -2.8* -1.2* -2.6* -2.5*			
All Races White White Hispanice White Non-Hispanice Black Asian/Pacific Islander Amer Ind/Alaska Nat Total U.S.	Rate per Total 2.4 2.8 0.7 3.0 0.3 0.3	100,00 Males 3.5 4.1 1.0 4.5 0.4 0.4	0 persons Females 1.5 1.7 0.6 1.9 0.3 0.3	Total -2.9* -2.7* -0.9* -2.5* -2.1* -1.1	AAPC (% Males -3.2* -3.0* -0.7 -2.8* -1.6 -2.0*	-3.0* -2.8* -1.2* -2.6* -2.5* -0.5			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.8, April 2020, National Cancer Institute. Statistic not shown. Rate based on less than 16 cases for the time interval.

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

Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, а b

Utah, and Atlanta.

The SEER 21 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts.
The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over

diagnosis years 2000-2017.

d The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2017.

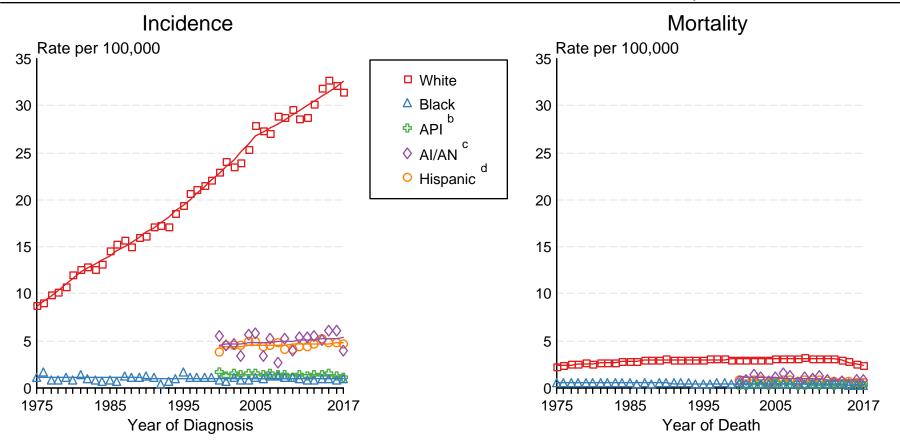
Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry.

Incidence data for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) counties.

US Mortality Files, National Center for Health Statistics, CDC. The 2008-2017 mortality AAPCs are based on a Joinpoint analysis using years of death 2000-2017. The APC is significantly different from zero (p<.05).

SEER Incidence and US Death Rates^a Melanoma of the Skin, Both Sexes

Joinpoint Analyses for Whites and Blacks from 1975-2017 and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 2000-2017



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 21 areas (SEER 9 areas, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts).

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 4.8, April 2020, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2017 period allow a maximum of 5 joinpoints. Analyses for other ethnic groups during the period 2000-2017 allow a maximum of 3 joinpoints.

- c Al/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) 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 17.11 Mesothelioma

SEER Incidence Age-Adjusted Rates and Trends^a By Race/Ethnicity and Sex

SEER Incidence		21 Area 2013-20 100,000	17		ER 21 Ar nd 2008-2 AAPC (%	2017°		R 9 Are d 2008-2 AAPC (%	2017 ^d
Race/Ethnicity	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	0.9	1.6	0.4	-2.5*	-2.3*	-0.1	-1.2*	-1.6*	-0.2
White White Hispanic ^e White Non-Hispanic ^e	1.0 0.8 1.0	1.7 1.3 1.8	0.5 0.4 0.5	-2.5* -2.6* -2.4*	-2.2* -2.9* -3.3*	0.0 -2.0* 0.2	-0.9* - -	-1.4* - -	0.5* - -
Black	0.5	0.9	0.2	-1.7*	-2.2*	-0.6	-3.9*	-3.8*	-
Asian/Pacific Islander	0.4	0.6	0.2	0.2	0.0	0.3	-	-	-
Amer Ind/Alaska Nat ^f	0.6	-	-	-	-	-	-	=	-
Hispanic ^e	0.8	1.3	0.4	-2.3*	-2.8*	-1.5	-	_	-

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.8, April 2020, National Cancer Institute. Statistic not shown. Rate based on less than 16 cases for the time interval.

diagnosis years 2000-2017. d

The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2017.

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.

Incidence data for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) counties.

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

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 а

are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, b

Utah, and Atlanta.

The SEER 21 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts.

The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over

Table 18.15 Myeloma

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

SEER Incidence	Rate	R 21 Are 2013-2 100,00			ER 21 Ar nd 2008- AAPC (%	2017 ^c	Tren	R 9 Are d 2008-2 AAPC (%	2017 ^d
Race/Ethnicity	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	7.0	8.8	5.7	1.0*	0.8*	1.0	0.9	0.9*	0.8*
mi naces	7.0	0.0	3.,	1.0	0.0	1.0	0.5	0.5	0.0
White	6.4	8.2	5.0	0.6	0.7	0.3	0.8*	0.9*	0.6*
White Hispanic ^e	6.7	8.2	5.6	0.3	0.1	0.3	_	-	_
White Non-Hispanic ^e	6.3	8.2	4.9	0.6	0.6	0.4	-	_	_
Black	13.8	16.5	12.0	0.5	0.3	1.2*	0.1	0.8*	1.0*
Asian/Pacific Islander	3.9	5.0	3.2	0.7*	-0.2	-0.1	-	-	-
Amer Ind/Alaska Natf	5.7	6.7	5.0	0.4	2.3	-1.4	-	-	-
Hispanic ^e	6.8	8.2	5.7	0.6*	0.4	0.6*	-	-	-
U.S. Mortality ^g									
		2013-2 100,00	017 0 persons		nd 2008- AAPC (%				
		100,00			AAPC (%				
Race/Ethnicity	Rate per	100,00	0 persons		AAPC (%)			
Race/Ethnicity All Races	Rate per	100,00	0 persons		AAPC (%	Females_			
-	Rate per	100,00 Males	0 persons Females	Total	AAPC (% Males	Females -0.8			
All Races	Rate per Total 3.3	100,00 Males 4.1	0 persons Females 2.6		AAPC (% Males -0.9*	-0.8 -0.9			
All Races White	Rate per Total 3.3 3.0	100,00 Males 4.1 3.9	0 persons Females 2.6 2.4	Total -0.6 -0.7	AAPC (% Males -0.9*	-0.8 -0.9 -1.3*			
All Races White White Hispanic ^e	3.3 3.0 2.8	100,00 Males 4.1 3.9 3.6	0 persons Females 2.6 2.4 2.3	Total -0.6 -0.7 -0.9*	AAPC (% Males -0.9* -0.9*	-0.8 -0.9 -1.3*			
All Races White White Hispanic ^e White Non-Hispanic ^e	3.3 3.0 2.8 3.0	4.1 3.9 3.6 3.9	0 persons Females 2.6 2.4 2.3 2.3	Total -0.6 -0.7 -0.9* -0.6	AAPC (% Males -0.9* -0.9* -0.7 -0.9*	-0.8 -0.9 -1.3* -0.9			
All Races White White Hispanice White Non-Hispanice	3.3 3.0 2.8 3.0 6.2	4.1 3.9 3.6 3.9 7.5	0 persons Females 2.6 2.4 2.3 2.3	Total -0.6 -0.7 -0.9* -0.6	AAPC (% Males -0.9* -0.9* -0.7 -0.9* -1.0*	-0.8 -0.9 -1.3* -0.9			
All Races White White Hispanice White Non-Hispanice Black Asian/Pacific Islander	3.3 3.0 2.8 3.0 6.2	4.1 3.9 3.6 3.9 7.5	0 persons Females 2.6 2.4 2.3 2.3	Total -0.6 -0.7 -0.9* -0.6	AAPC (% Males -0.9* -0.9* -0.7 -0.9* -1.0*	-0.8 -0.9 -1.3* -0.9 -1.3*			
All Races White White Hispanice White Non-Hispanice Black Asian/Pacific Islander Amer Ind/Alaska Nat	3.3 3.0 2.8 3.0 6.2 1.6	100,00 Males 4.1 3.9 3.6 3.9 7.5 2.0	0 persons Females 2.6 2.4 2.3 2.3 5.3 1.2	Total -0.6 -0.7 -0.9* -0.6 -0.5 -0.4	AAPC (% Males -0.9* -0.9* -0.7 -0.9* -1.0*	-0.8 -0.9 -1.3* -0.9 -1.3 -0.9 -0.8			
All Races White White Hispanice White Non-Hispanice Black Asian/Pacific Islander Amer Ind/Alaska Nat Total U.S.	Rate per Total 3.3 3.0 2.8 3.0 6.2 1.6	100,00 Males 4.1 3.9 3.6 3.9 7.5 2.0	0 persons Females 2.6 2.4 2.3 2.3 5.3 1.2	Total -0.6 -0.7 -0.9* -0.6 -0.5 -0.4	AAPC (% Males -0.9* -0.9* -0.7 -0.9* -1.0* 0.2	-0.8 -0.9 -1.3* -0.9 -1.3* -1.3			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.8, April 2020, National Cancer Institute. Statistic not shown. Rate based on less than 16 cases for the time interval.

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

Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, а b

Utah, and Atlanta.

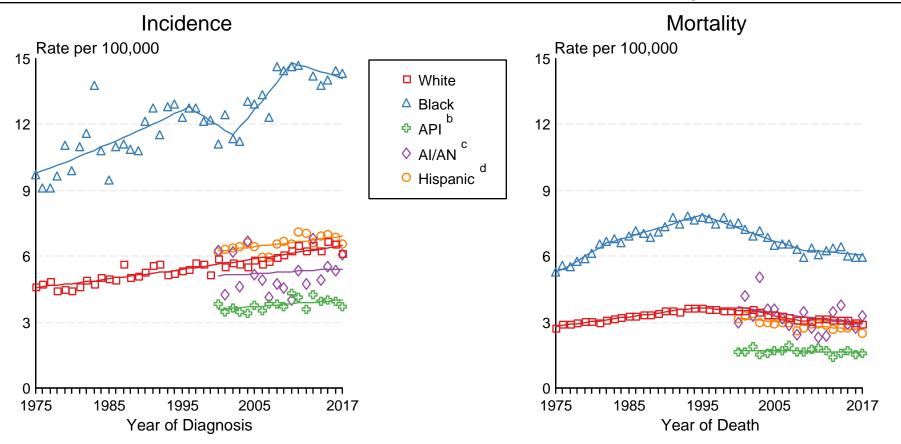
The SEER 21 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts.
The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over

diagnosis years 2000-2017.

- d The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2017.
- 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.
- Incidence data for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) counties.
- US Mortality Files, National Center for Health Statistics, CDC.
- The 2008-2017 mortality AAPCs are based on a Joinpoint analysis using years of death 2000-2017. The APC is significantly different from zero (p<.05).

SEER Incidence and US Death Rates^a Myeloma, Both Sexes

Joinpoint Analyses for Whites and Blacks from 1975-2017 and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 2000-2017



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 21 areas (SEER 9 areas, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts).

- 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 4.8, April 2020, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2017 period allow a maximum of 5 joinpoints. Analyses for other ethnic groups during the period 2000-2017 allow a maximum of 3 joinpoints.
- b API = Asian/Pacific Islander.
- c Al/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) 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 19.19 Non-Hodgkin Lymphoma

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

SEER Incidence	Rate	R 21 Are 2013-2 100,00			ER 21 Ar d 2008- AAPC (%	2017 ^c	Tren	R 9 Are d 2008-2 AAPC (%	2017 ^d
	Total	Males	Females	Total	Males	Females	Total	Males	Females
Race/Ethnicity									
All Races	19.6	23.8	16.2	-0.9*	-1.0*	-0.8*	-0.8*	-0.8*	-0.8*
White	20.6	25.0	17.0	-1.0*	-1.0*		-0.9*	-0.9*	-0.8*
White Hispanic ^e	18.5	21.4	16.3	-0.8*			_	-	-
White Non-Hispanic ^e	21.0	25.6	17.1	-1.0*	-1.0*	-0.9*	-	-	-
Black	14.7	17.7	12.5	0.1	-0.1	0.4*	0.0	-0.4	-0.7
Asian/Pacific Islander	13.5	16.5	11.1	0.0	0.1	-0.1	-	-	-
Amer Ind/Alaska Nat ^f	10.9	10.8	10.9	-0.9	-1.8	-0.1	-	-	-
Hispanic ^e	18.1	20.9	15.9	-0.3	-0.1	0.3	-	-	-
U.S. Mortality ^g									
		2013-2	017 0 persons		d 2008- AAPC (%				
		100,00			AAPC (%				
Race/Ethnicity	Rate per	100,00	0 persons		AAPC (%)			
Race/Ethnicity All Races	Rate per	100,00	0 persons		AAPC (% Males) Females			
-	Rate per	100,00 Males	0 persons Females	Total	AAPC (% Males -1.9*	Females -2.7*			
All Races	Rate per Total 5.5	100,00 Males 7.1	0 persons Females 4.2		Males -1.9*	Females -2.7* -2.7*			
All Races White	Rate per Total 5.5 5.7	7.1 7.4	0 persons Females 4.2 4.4		AAPC (% Males -1.9* -1.3*	Females -2.7* -2.7* -1.9*			
All Races White White Hispanic ^e	Total 5.5 5.7 5.0	7.1 7.4 6.3	0 persons Females 4.2 4.4 3.9	Total -2.2* -2.2* -1.6*	AAPC (% Males -1.9* -1.3*	Females -2.7* -2.7* -1.9*			
All Races White White Hispanice White Non-Hispanice	Total 5.5 5.7 5.0 5.8	7.1 7.4 6.3 7.5	0 persons Females 4.2 4.4 3.9 4.5	Total -2.2* -2.2* -1.6* -2.2*	AAPC (% Males -1.9* -1.9* -1.3* -1.9*	Pemales -2.7* -2.7* -1.9* -2.5* -1.8			
All Races White White Hispanice White Non-Hispanice	Total 5.5 5.7 5.0 5.8 4.0	7.1 7.4 6.3 7.5	0 persons Females 4.2 4.4 3.9 4.5 3.2	Total -2.2* -2.2* -1.6* -2.2* -1.9*	AAPC (% Males -1.9* -1.3* -1.9* -1.8*	Pemales -2.7* -2.7* -1.9* -2.5* -1.8			
All Races White White Hispanice White Non-Hispanice Black Asian/Pacific Islander	Total 5.5 5.7 5.0 5.8 4.0	7.1 7.4 6.3 7.5	0 persons Females 4.2 4.4 3.9 4.5 3.2	Total -2.2* -2.2* -1.6* -2.2* -1.7*	AAPC (% Males -1.9* -1.9* -1.3* -1.9* -1.8* -1.4*	Pemales -2.7* -2.7* -1.9* -2.5* -1.8 -2.1*			
All Races White White Hispanice White Non-Hispanice Black Asian/Pacific Islander Amer Ind/Alaska Nat	Total 5.5 5.7 5.0 5.8 4.0 3.8	7.1 7.4 6.3 7.5 5.2 4.9	0 persons Females 4.2 4.4 3.9 4.5 3.2 3.0	Total -2.2* -2.2* -1.6* -2.2* -1.7*	AAPC (% Males -1.9* -1.3* -1.9* -1.8* -1.4*	Pemales -2.7* -2.7* -1.9* -2.5* -1.8 -2.1* -4.4* -3.9*			
All Races White White Hispanice White Non-Hispanice Black Asian/Pacific Islander Amer Ind/Alaska Nat Total U.S.	Total 5.5 5.7 5.0 5.8 4.0 3.8	7.1 7.4 6.3 7.5 5.2 4.9	0 persons Females 4.2 4.4 3.9 4.5 3.2 3.0	Total -2.2* -2.2* -1.6* -2.2* -1.9* -1.7*	AAPC (% Males -1.9* -1.9* -1.3* -1.9* -1.8* -1.4*	Pemales -2.7* -2.7* -1.9* -2.5* -1.8 -2.1* -4.4* -3.9*			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.8, April 2020, National Cancer Institute. Statistic not shown. Rate based on less than 16 cases for the time interval.

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

Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, а b

Utah, and Atlanta.

The SEER 21 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts.
The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over

diagnosis years 2000-2017.

d The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2017.

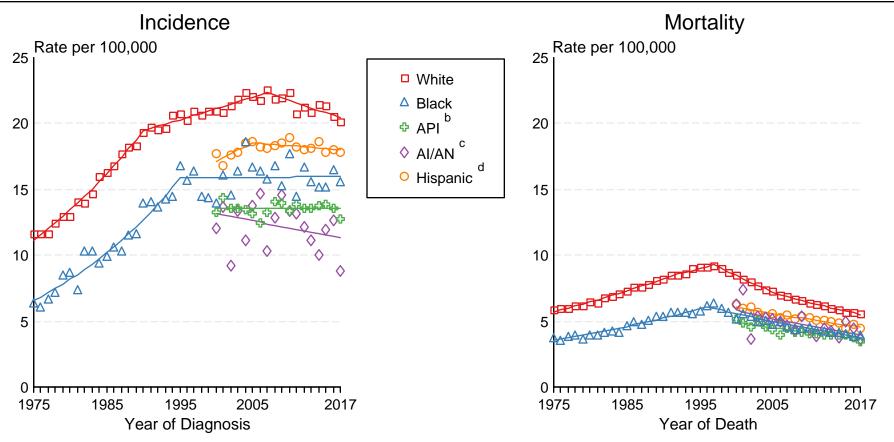
Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry.

Incidence data for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) counties.

US Mortality Files, National Center for Health Statistics, CDC. The 2008-2017 mortality AAPCs are based on a Joinpoint analysis using years of death 2000-2017. The APC is significantly different from zero (p<.05).

SEER Incidence and US Death Rates^a Non-Hodgkin Lymphoma, Both Sexes

Joinpoint Analyses for Whites and Blacks from 1975-2017 and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 2000-2017



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 21 areas (SEER 9 areas, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts).

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 4.8, April 2020, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2017 period allow a maximum of 5 joinpoints. Analyses for other ethnic groups during the period 2000-2017 allow a maximum of 3 joinpoints.

- c Al/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) 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 20.19 Cancer of the Oral Cavity and Pharynx (Invasive)

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

SEER Incidence	Rate	R 21 Are 2013-2 100,00			ER 21 Ar nd 2008- AAPC (%	2017 ^c	Tren	R 9 Are d 2008-2 AAPC (%	2017 ^d
	Total	Males	Females	Total	Males	Females	Total	Males	Females
Race/Ethnicity									
All Races	11.4	17.2	6.4	0.4	0.6*	0.2*	0.8*	0.9*	0.8*
White	12.0	18.1	6.6	0.6	1.0*		1.1*	1.0*	0.8*
White Hispanic ^e	7.0	10.1	4.3	-1.2*			-	_	-
White Non-Hispanic ^e	13.0	19.6	7.1	1.2*	1.3*	0.6*	-	_	_
Black	8.5	13.3	4.9	-1.7*	-2.1*	-1.1*	-2.3*	-0.8	-1.6*
Asian/Pacific Islander	8.5	12.1	5.5	0.0	0.2	-0.3	-	-	-
Amer Ind/Alaska Nat ^f	8.1	11.7	4.9	0.5	0.7	-0.5	-	-	-
Hispanic ^e	6.8	10.0	4.2	-0.2	-0.5	0.1	_	-	_
U.S. Mortality ^g									
		2013-2	017 0 persons		nd 2008- AAPC (%				
		100,00			AAPC (%				
Race/Ethnicity	Rate per	100,00	0 persons		AAPC (%)			
Race/Ethnicity All Races	Rate per	100,00	0 persons		AAPC (%)			
-	Rate per	100,00 Males	0 persons Females	Total	AAPC (% <u>Males</u>) Females			
All Races	Rate per Total 2.5	100,00 Males 3.9	0 persons Females		AAPC (% Males 0.7*	Females -0.2 0.2			
All Races White	Rate per Total 2.5 2.5	100,00 Males 3.9 3.9	0 persons Females 1.3 1.4	Total 0.5* 0.9*	Males 0.7*	Females -0.2 0.2			
All Races White White Hispanic ^e	2.5 2.5 1.6	3.9 3.9 2.6	0 persons Females 1.3 1.4 0.8	Total 0.5* 0.9* -0.4	AAPC (% <u>Males</u> 0.7* 1.1* 0.4	Females -0.2 0.2 0.0			
All Races White White Hispanic ^e White Non-Hispanic ^e	Rate per Total 2.5 2.5 1.6 2.6	3.9 3.9 2.6 4.0	0 persons Females 1.3 1.4 0.8 1.4	Total 0.5* 0.9* -0.4 1.0*	AAPC (% Males 0.7* 1.1* 0.4 1.3*	0.2 0.2 0.0 0.3			
All Races White White Hispanice White Non-Hispanice	2.5 2.5 2.6 2.7	3.9 3.9 2.6 4.0	0 persons Females 1.3 1.4 0.8 1.4 1.3	Total 0.5* 0.9* -0.4 1.0* -2.8*	AAPC (% Males 0.7* 1.1* 0.4 1.3* -3.0*	0.2 0.2 0.0 0.3 -2.2*			
All Races White White Hispanice White Non-Hispanice Black Asian/Pacific Islander	2.5 2.5 2.6 2.7	3.9 3.9 2.6 4.0	0 persons Females 1.3 1.4 0.8 1.4 1.3	Total 0.5* 0.9* -0.4 1.0* -2.8* 0.5	AAPC (% Males 0.7* 1.1* 0.4 1.3* -3.0* 1.3	0.2 0.2 0.0 0.3 -2.2*			
All Races White White Hispanice White Non-Hispanice Black Asian/Pacific Islander Amer Ind/Alaska Nat	2.5 2.5 1.6 2.6 2.7 2.0	3.9 3.9 2.6 4.0 4.5 3.1	0 persons Females 1.3 1.4 0.8 1.4 1.3	Total 0.5* 0.9* -0.4 1.0* -2.8* 0.5	AAPC (% Males 0.7* 1.1* 0.4 1.3* -3.0* 1.3	0.2 0.2 0.0 0.3 -2.2* -1.5*			
All Races White White Hispanice White Non-Hispanice Black Asian/Pacific Islander Amer Ind/Alaska Nat Total U.S.	Rate per Total 2.5 2.5 1.6 2.6 2.7 2.0	3.9 3.9 2.6 4.0 4.5 3.1	0 persons Females 1.3 1.4 0.8 1.4 1.3 0.8	Total 0.5* 0.9* -0.4 1.0* -2.8* 0.5	AAPC (% Males 0.7* 1.1* 0.4 1.3* -3.0* 1.3	0.2 0.2 0.0 0.3 -2.2* -1.5*			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.8, April 2020, National Cancer Institute. Statistic not shown. Rate based on less than 16 cases for the time interval.

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

Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, а b

Utah, and Atlanta.

The SEER 21 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts.
The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over

diagnosis years 2000-2017.

d The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2017.

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.

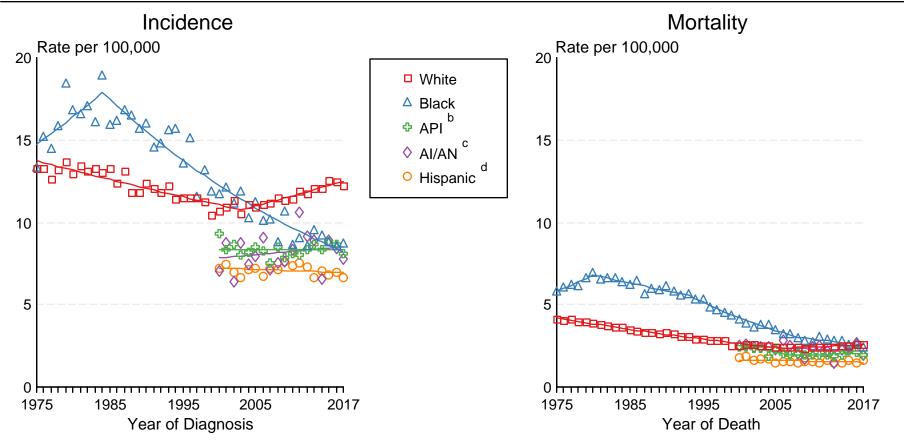
Incidence data for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) counties.

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

The 2008-2017 mortality AAPCs are based on a Joinpoint analysis using years of death 2000-2017. The APC is significantly different from zero (p<.05).

SEER Incidence and US Death Rates^a Cancer of the Oral Cavity and Pharynx, Both Sexes

Joinpoint Analyses for Whites and Blacks from 1975-2017 and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 2000-2017



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 21 areas (SEER 9 areas, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts).

Mortality data are from US Mortality Files, National Center for Health Statistics, CDC.

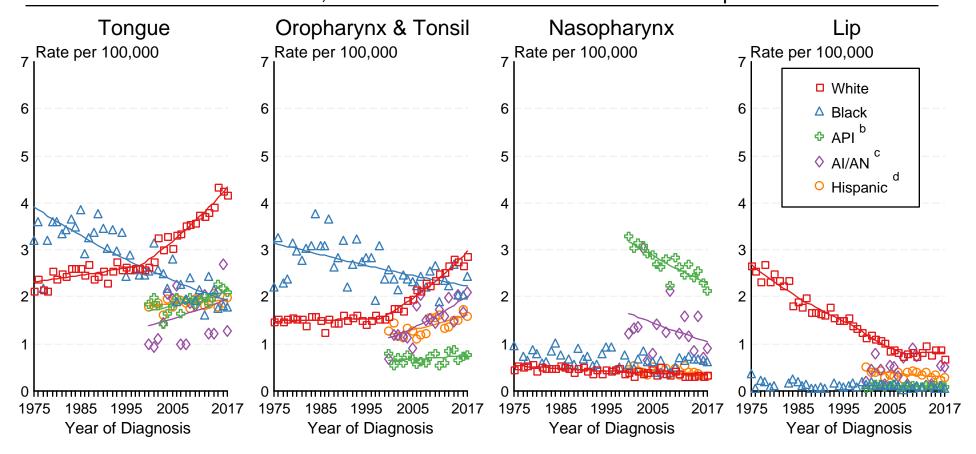
^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 4.8, April 2020, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2017 period allow a maximum of 5 joinpoints. Analyses for other ethnic groups during the period 2000-2017 allow a maximum of 3 joinpoints.

- c Al/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) 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.

SEER Incidence Rates^a

Cancer of the Oral Cavity and Pharangeal for Selected Subsites, Both Sexes
Joinpoint Analyses for Whites and Blacks from 1975-2017
and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 2000-2017



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 21 areas (SEER 9 areas, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts).

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 4.8, April 2020, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2017 period allow a maximum of 5 joinpoints. Analyses for other ethnic groups during the period 2000-2017 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.

b API = Asian/Pacific Islander.

c Al/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) 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 21.11 Cancer of the Ovary (Invasive)

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

SEER Incidence	SEER 21 Areas ^b Rate 2013-2017 Rate per 100,000 persons	SEER 21 Areas ^b Trend 2008-2017 ^c AAPC (%)	SEER 9 Areas ^b Trend 2008-2017 ^d AAPC (%)
	Females	Females	Females
Race/Ethnicity			
All Races	11.2	-2.3*	-2.5*
White	11.7	-2.6*	-2.7*
White Hispanic ^e	10.8	-1.0*	-
White Non-Hispanic ^e	11.7	-2.8*	-
Black	9.1	-0.8*	-0.5*
Asian/Pacific Islander	9.5	-1.4	-
Amer Ind/Alaska Nat ^f	8.4	-2.8*	-
Hispanic ^e	10.4	-1.0*	-
U.S. Mortality ^g			
	Rate 2013-2017 Rate per 100,000 persons	Trend 2008-2017 ^h AAPC (%)	
	Females	Females	
Race/Ethnicity			
All Races	6.9	-2.3*	
White	7.1	-2.4*	
White Hispanic ^e	5.5	-1.3*	
White Non-Hispanic ^e	7.3	-2.4*	
Black	6.0	-1.6*	
Asian/Pacific Islander	4.4	-0.8*	
Amer Ind/Alaska Nat			
Total U.S.	4.4	-1.7*	
PRCDA Counties	6.3	-1.1	
Non-PRCDA Counties	2.3	-2.7	
Hispanic ^e	5.2	-1.4*	

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.8, April 2020, National Cancer Institute. Statistic not shown. Rate based on less than 16 cases for the time interval.

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

Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, а b

Utah, and Atlanta.

The SEER 21 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey,

Georgia excluding ATL/RG, Idaho, New York and Massachusetts.
The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over diagnosis years 2000-2017.

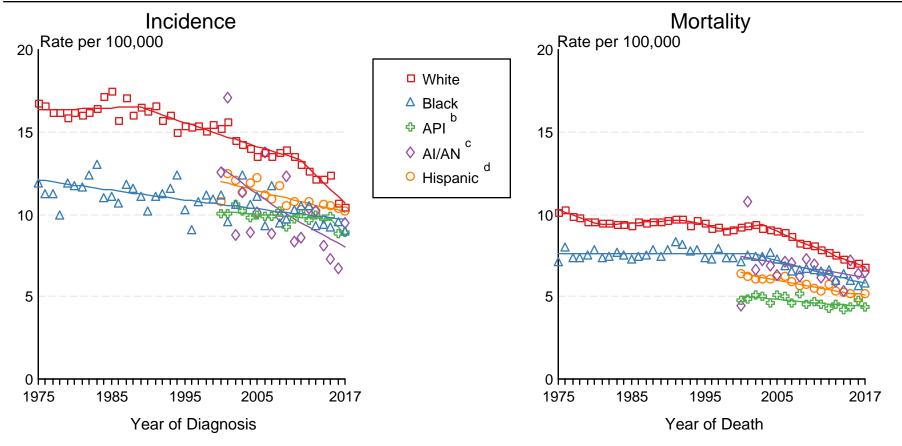
- d The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2017.
- Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry.
- Incidence data for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) counties.

US Mortality Files, National Center for Health Statistics, CDC. The 2008-2017 mortality AAPCs are based on a Joinpoint analysis using years of death 2000-2017. The APC is significantly different from zero (p<.05).

Figure 21.3

SEER Incidence and US Death Rates^a Cancer of the Ovary

Joinpoint Analyses for Whites and Blacks from 1975-2017 and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 2000-2017



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 21 areas (SEER 9 areas, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts). 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.

- ^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 4.8, April 2020, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2017 period allow a maximum of 5 joinpoints. Analyses for other ethnic groups during the period 2000-2017 allow a maximum of 3 joinpoints.
- b API = Asian/Pacific Islander.
- c Al/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) 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 22.15 Cancer of the Pancreas (Invasive)

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

SEER Incidence	Rate	R 21 Are 2013-2 100,00			ER 21 Ar ld 2008- AAPC (%	2017 ^c		ER 9 Are d 2008-1 AAPC (%	2017 ^d
Race/Ethnicity	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	13.1	14.9	11.6	0.5*	0.5*	0.7*	0.2	0.2	0.9*
White White Hispanic ^e White Non-Hispanic ^e	13.1 12.0 13.3	15.0 13.0 15.3	11.6 11.2 11.6	0.3 0.4* 0.4	0.6* 0.4 0.7*	0.8* 0.4* 0.8*	0.4	0.4	1.0*
Black	15.3	16.9	14.1	0.3*	0.3*	0.3	-0.1	-0.4*	0.1
Asian/Pacific Islander	10.0	11.0	9.2	0.5*	0.4	0.6*	-	-	_
Amer Ind/Alaska Nat ^f	10.0	12.9	7.8	-0.1	1.9	-2.2*	-	-	-
Hispanic ^e	11.6	12.5	10.8	0.4*	0.5	0.4*	-	-	_
U.S. Mortality ^g									
<u>0.51 1102 002207</u>		2013-2	017 O persons		d 2008- AAPC (%				
Race/Ethnicity		100,00			AAPC (%				
	Rate per	100,00	0 persons		AAPC (%)			
Race/Ethnicity	Rate per	100,000 Males	D persons Females	Total	AAPC (% Males	Females_			
Race/Ethnicity All Races White White Hispanice	Total 11.0 10.9 9.0	100,000 Males 12.7 12.7 9.9	9.6 9.4 8.2	Total 0.3* 0.4* 0.2	AAPC (% Males 0.3* 0.4* 0.2	0.2* 0.3* 0.2			
Race/Ethnicity All Races White White Hispanice White Non-Hispanice	Total 11.0 10.9 9.0 11.1	100,000 Males 12.7 12.7 9.9 13.0	9.6 9.4 8.2 9.6	Total 0.3* 0.4* 0.2 0.4*	Males 0.3* 0.4* 0.2 0.5*	0.2* 0.3* 0.2 0.4*			
Race/Ethnicity All Races White White Hispanice White Non-Hispanice	11.0 10.9 9.0 11.1 13.3	12.7 12.7 12.7 9.9 13.0	9.6 9.4 8.2 9.6 12.0	Total 0.3* 0.4* 0.2 0.4* -0.3*	0.3* 0.4* 0.5* -0.3*	0.2* 0.3* 0.2 0.4* -0.3*			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.8, April 2020, National Cancer Institute. Statistic not shown. Rate based on less than 16 cases for the time interval.

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

Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, а b

Utah, and Atlanta.

The SEER 21 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts.
The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over

diagnosis years 2000-2017.

d The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2017.

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.

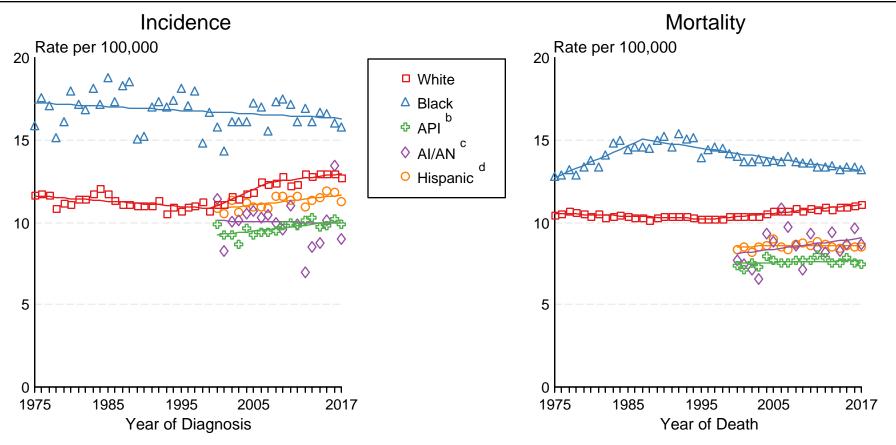
Incidence data for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) counties.

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

The 2008-2017 mortality AAPCs are based on a Joinpoint analysis using years of death 2000-2017. The APC is significantly different from zero (p<.05).

SEER Incidence and US Death Rates^a Cancer of the Pancreas, Both Sexes

Joinpoint Analyses for Whites and Blacks from 1975-2017 and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 2000-2017



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 21 areas (SEER 9 areas, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts).

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 4.8, April 2020, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2017 period allow a maximum of 5 joinpoints. Analyses for other ethnic groups during the period 2000-2017 allow a maximum of 3 joinpoints.

- c Al/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) 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 23.11 Cancer of the Prostate (Invasive)

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

SEER Incidence	SEER 21 Areas ^b Rate 2013-2017 Rate per 100,000 persons	SEER 21 Areas ^b Trend 2008-2017 ^c AAPC (%)	SEER 9 Areas ^b Trend 2008-2017 ^d AAPC (%)
	Males	Males	Males
Race/Ethnicity			
All Races	109.8	-3.4*	-4.3*
White	102.3	-4.1*	-4.2*
White Hispanic ^e	85.2	-6.2*	=
White Non-Hispanic ^e	105.2	-3.8*	-
Black	175.2	-3.4*	-3.8*
Asian/Pacific Islander	56.7	-4.3*	-
Amer Ind/Alaska Nat ^f	54.6	-6.0*	-
Hispanic ^e	92.0	-5.1*	-
U.S. Mortality ^g	Rate 2013-2017 Rate per 100,000 persons	Trend 2008-2017 ^h AAPC (%)	
	Males	Males	
Race/Ethnicity			
All Races	19.1	-2.1*	
White	17.9	-1.9*	
White Hispanic ^e	16.4	-1.9*	
White Non-Hispanic ^e	18.0	-1.8*	
Black	37.9	-3.3*	
Asian/Pacific Islander	8.6	-2.3*	
Amer Ind/Alaska Nat			
Total U.S.	13.6	-2.9*	
PRCDA Counties	18.7	-1.7*	
Non-PRCDA Counties	8.0	-4.8*	
Hispanic ^e	15.8	-2.0*	

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.8, April 2020, National Cancer Institute. Statistic not shown. Rate based on less than 16 cases for the time interval.

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

Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, а b

Utah, and Atlanta.

The SEER 21 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey,

Georgia excluding ATL/RG, Idaho, New York and Massachusetts.
The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over diagnosis years 2000-2017.

d The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2017.

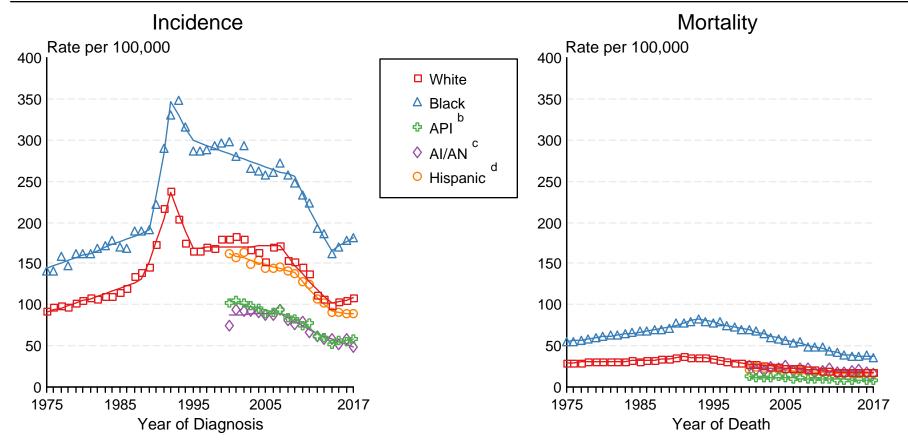
Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry.

Incidence data for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) counties.

US Mortality Files, National Center for Health Statistics, CDC. The 2008-2017 mortality AAPCs are based on a Joinpoint analysis using years of death 2000-2017. The APC is significantly different from zero (p<.05).

SEER Incidence and US Death Rates^a Cancer of the Prostate

Joinpoint Analyses for Whites and Blacks from 1975-2017 and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 2000-2017



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 21 areas (SEER 9 areas, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts).

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 4.8, April 2020, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2017 period allow a maximum of 5 joinpoints. Analyses for other ethnic groups during the period 2000-2017 allow a maximum of 3 joinpoints.

- c Al/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) 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 24.15 Cancer of the Stomach (Invasive)

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

SEER Incidence	Rate	21 Are 2013-2 100,00			ER 21 Ar nd 2008- AAPC (%	2017 ^c	Tren	R 9 Are d 2008-2 AAPC (%	2017 ^d
D (D) 1 1 1	Total	Males	Females	Total	Males	Females	Total	Males	Females
Race/Ethnicity									
All Races	7.3	9.9	5.3	-1.0*	-1.4*	-0.6*	-1.5*	-1.8*	-0.9*
White	6.5	8.9	4.6	-1.0*	-1.4*	-0.5*	-1.2*	-1.8*	-0.9*
White Hispanic ^e	10.8	13.5	8.8	-1.6*			-	-	-
White Non-Hispanic ^e	5.7	8.0	3.8	-1.0*	-1.6*	-1.1*	-	-	-
Black	10.1	13.8	7.6	-1.9*	-2.9	-1.7*	-1.7*	-2.1*	-1.0*
Asian/Pacific Islander	10.6	14.1	8.0	-2.8*	-2.9*	-2.7*	-	-	_
Amer Ind/Alaska Nat ^f	8.4	11.1	6.2	-2.4*	-3.0*	-1.8	-	-	-
Hispanic ^e	10.5	13.1	8.6	-1.5*	-1.9*	-1.1*	-	-	-
U.S. Mortality ^g									
		2013-2	017 O persons		nd 2008- AAPC (%				
		100,00			AAPC (%				
Race/Ethnicity	Rate per	100,00	0 persons		AAPC (%)			
Race/Ethnicity All Races	Rate per	100,00	0 persons		AAPC (% <u>Males</u>) Females			
-	Rate per	100,00 Males	0 persons Females	Total	AAPC (% Males -2.5*	Females -1.8*			
All Races	Rate per Total 3.1	100,00 Males 4.1	0 persons Females 2.2		Males -2.5*) Females -1.8* -1.6*			
All Races White	Rate per Total 3.1 2.7	100,00 Males 4.1 3.6	0 persons Females 2.2 1.9		Males -2.5*	Females -1.8* -1.6* -1.7*			
All Races White White Hispanic ^e	3.1 2.7 5.4	100,00 Males 4.1 3.6 6.8	0 persons Females 2.2 1.9 4.3		AAPC (% Males -2.5* -2.3* -2.6*	-1.8* -1.6* -1.7* -3.0*			
All Races White White Hispanice White Non-Hispanice	3.1 2.7 5.4 2.3	100,00 Males 4.1 3.6 6.8 3.2	0 persons Females 2.2 1.9 4.3 1.6	Total -2.1* -1.9* -2.1* -2.6*	AAPC (% Males -2.5* -2.3* -2.6* -2.8* -3.2*	Females -1.8* -1.6* -1.7* -3.0*			
All Races White White Hispanice White Non-Hispanice	3.1 2.7 5.4 2.3 5.3	100,00 Males 4.1 3.6 6.8 3.2 7.8	0 persons Females 2.2 1.9 4.3 1.6 3.6	Total -2.1* -1.9* -2.1* -2.6* -3.3*	AAPC (% Males -2.5* -2.3* -2.6* -2.8* -3.2*	Females -1.8* -1.6* -1.7* -3.0*			
All Races White White Hispanice White Non-Hispanice Black Asian/Pacific Islander Amer Ind/Alaska Nat Total U.S.	3.1 2.7 5.4 2.3 5.3 5.2	100,00 Males 4.1 3.6 6.8 3.2 7.8 6.7	0 persons Females 2.2 1.9 4.3 1.6 3.6 4.1	Total -2.1* -1.9* -2.1* -2.6* -3.3* -2.7*	AAPC (% Males -2.5* -2.3* -2.6* -2.8* -3.6*	Females -1.8* -1.6* -1.7* -3.0* -3.6* -3.2*			
All Races White White Hispanice White Non-Hispanice Black Asian/Pacific Islander Amer Ind/Alaska Nat	3.1 2.7 5.4 2.3 5.3	100,00 Males 4.1 3.6 6.8 3.2 7.8 6.7	0 persons Females 2.2 1.9 4.3 1.6 3.6 4.1	Total -2.1* -1.9* -2.1* -2.6* -3.3* -2.7*	AAPC (% Males -2.5* -2.3* -2.6* -3.6*	Females -1.8* -1.6* -1.7* -3.0* -3.6* -3.2*			
All Races White White Hispanice White Non-Hispanice Black Asian/Pacific Islander Amer Ind/Alaska Nat Total U.S.	3.1 2.7 5.4 2.3 5.3 5.2	100,00 Males 4.1 3.6 6.8 3.2 7.8 6.7	0 persons Females 2.2 1.9 4.3 1.6 3.6 4.1	Total -2.1* -1.9* -2.1* -2.6* -3.3* -2.7*	AAPC (% Males -2.5* -2.3* -2.6* -2.8* -3.6*	-1.8* -1.6* -1.7* -3.0* -3.6* -3.2*			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.8, April 2020, National Cancer Institute. Statistic not shown. Rate based on less than 16 cases for the time interval.

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

Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, а b

Utah, and Atlanta.

The SEER 21 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts.
The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over

diagnosis years 2000-2017.

d The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2017.

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.

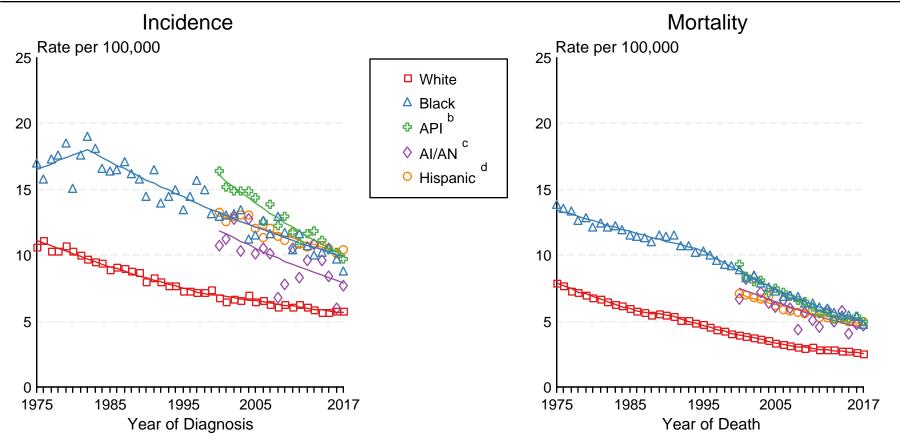
Incidence data for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) counties.

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

The 2008-2017 mortality AAPCs are based on a Joinpoint analysis using years of death 2000-2017. The APC is significantly different from zero (p<.05).

SEER Incidence and US Death Rates^a Cancer of the Stomach, Both Sexes

Joinpoint Analyses for Whites and Blacks from 1975-2017 and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 2000-2017



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 21 areas (SEER 9 areas, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts).

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 4.8, April 2020, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2017 period allow a maximum of 5 joinpoints. Analyses for other ethnic groups during the period 2000-2017 allow a maximum of 3 joinpoints.

- c Al/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) 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 25.11 Cancer of the Testis (Invasive)

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

SEER Incidence	SEER 21 Areas ^b Rate 2013-2017 Rate per 100,000 persons	SEER 21 Areas ^b Trend 2008-2017 ^c AAPC (%)	SEER 9 Areas ^b Trend 2008-2017 ^d AAPC (%)
	Males	Males	Males
Race/Ethnicity			
All Races	5.9	0.7*	0.8*
White	7.1	0.8*	1.0*
White Hispanic ^e	5.7	2.7*	-
White Non-Hispanic ^e	7.5	0.5*	-
Black	1.7	2.3*	1.9*
Asian/Pacific Islander	2.3	2.1*	-
Amer Ind/Alaska Nat ^f	5.2	1.5	-
Hispanic ^e	5.4	2.7*	-
U.S. Mortality ⁹	Rate 2013-2017 Rate per 100,000 persons	Trend 2008-2017 ^h AAPC (%)	
	Males	Males	
Race/Ethnicity			
All Races	0.3	0.1	
White	0.3	0.4	
White Hispanic ^e	0.3	1.2*	
White Non-Hispanic ^e	0.3	0.1	
Black	0.1	-1.7	
Asian/Pacific Islander	0.1	-1.7	
Amer Ind/Alaska Nat			
Total U.S.	0.3	-	
PRCDA Counties	0.4	-	
Non-PRCDA Counties	-	_	
Hispanic ^e	0.3	1.0	

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.8, April 2020, National Cancer Institute. Statistic not shown. Rate based on less than 16 cases for the time interval.

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

Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, а b

Utah, and Atlanta.

The SEER 21 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey,

Georgia excluding ATL/RG, Idaho, New York and Massachusetts.
The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over diagnosis years 2000-2017.

d The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2017.

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.

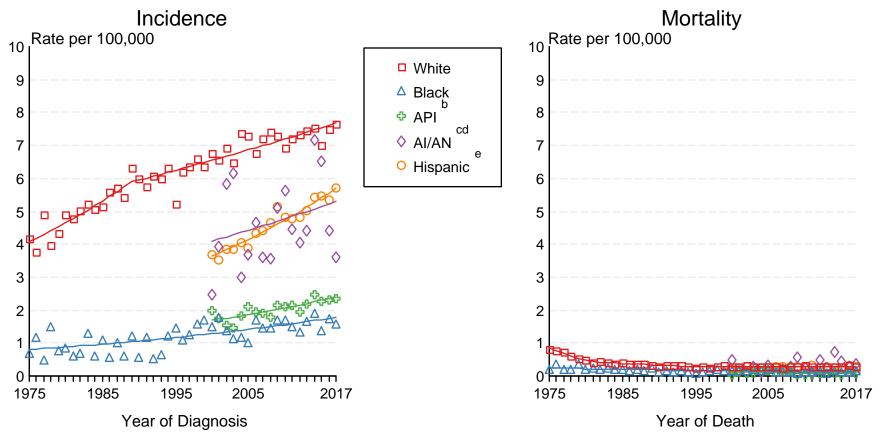
Incidence data for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) counties.

US Mortality Files, National Center for Health Statistics, CDC. The 2008-2017 mortality AAPCs are based on a Joinpoint analysis using years of death 2000-2017.

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

SEER Incidence and US Death Rates^a Cancer of the Testis

Joinpoint Analyses for Whites and Blacks from 1975-2017 and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 2000-2017



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 21 areas (SEER 9 areas, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts).

- ^a 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 4.8, April 2020, National Cancer Institute. Joinpoint analyses for Whites and b Blacks during the 1975-2017 period allow a maximum of 5 joinpoints. Analyses for other ethnic groups during the period 2000-2017 allow a maximum of 3 joinpoints.
- ^c API = Asian/Pacific Islander.
- d Al/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) counties.
- ^e Joinpoint could not fit a regression line for American Indian/Alaska Native Mortality due to insufficient data. 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 26.15 Cancer of the Thyroid (Invasive)

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

SEER Incidence	SEER 21 Areas ^b Rate 2013-2017 Rate per 100,000 persons			SEER 21 Areas ^b Trend 2008-2017 ^c AAPC (%)			SEER 9 Areas ^b Trend 2008-2017 ^d AAPC (%)		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
Race/Ethnicity									
All Races	15.7	8.1	23.1	0.8	1.4*	0.7	0.3	1.8*	0.0
White	16.4	8.6	24.3	0.6	1.3	0.4	0.1	1.7*	-0.2
White Hispanic ^e	14.5	6.1	22.8	2.0	3.7*	1.9	_	-	_
White Non-Hispanic ^e	17.2	9.3	25.0	0.4	1.3	0.1	-	-	-
Black	9.5	4.0	14.3	1.2	1.2	1.3	1.4	3.1*	1.2
Asian/Pacific Islander	15.8	7.9	22.7	1.2	3.1*	1.5*	-	-	-
Amer Ind/Alaska Nat ^f	9.3	3.9	14.5	3.0*	3.0	4.2*	-	-	_
Hispanic ^e	14.2	5.9	22.3	3.0*	3.9*	3.0*	-	-	-
U.S. Mortality ^g									
	Rate 2013-2017 Rate per 100,000 persons		Trend 2008-2017 ^h AAPC (%)						
	Total	Males	Females	Total	Males	Females			
Race/Ethnicity	Total_	Males	Females	Total	Males	Females			
Race/Ethnicity All Races	Total 0.5	Males 0.5	Females 0.5		Males 1.0*	Females 0.2			
-									
All Races	0.5	0.5	0.5	0.5*	1.0*	0.2			
All Races White	0.5	0.5	0.5	0.5*	1.0*	0.2			
All Races White White Hispanic ^e	0.5 0.5 0.7	0.5 0.5 0.6	0.5 0.5 0.7	0.5* 0.5* 0.8*	1.0* 1.0* 2.6	0.2			
All Races White White Hispanice White Non-Hispanice	0.5 0.5 0.7 0.5	0.5 0.5 0.6 0.5	0.5 0.5 0.7 0.5	0.5* 0.5* 0.8* 0.4*	1.0* 1.0* 2.6 1.0*	0.2 0.2 0.8 0.0			
All Races White White Hispanice White Non-Hispanice	0.5 0.5 0.7 0.5	0.5 0.5 0.6 0.5	0.5 0.5 0.7 0.5	0.5* 0.5* 0.8* 0.4*	1.0* 1.0* 2.6 1.0*	0.2 0.2 0.8 0.0			
All Races White White Hispanice White Non-Hispanice Black Asian/Pacific Islander	0.5 0.5 0.7 0.5	0.5 0.5 0.6 0.5	0.5 0.5 0.7 0.5	0.5* 0.5* 0.8* 0.4* 0.2 -0.3	1.0* 1.0* 2.6 1.0*	0.2 0.2 0.8 0.0			
All Races White White Hispanice White Non-Hispanice Black Asian/Pacific Islander Amer Ind/Alaska Nat	0.5 0.5 0.7 0.5 0.5 0.6	0.5 0.5 0.6 0.5 0.4	0.5 0.5 0.7 0.5 0.6	0.5* 0.5* 0.8* 0.4* 0.2	1.0* 1.0* 2.6 1.0* 0.8	0.2 0.2 0.8 0.0 -0.2			
All Races White White Hispanice White Non-Hispanice Black Asian/Pacific Islander Amer Ind/Alaska Nat Total U.S.	0.5 0.5 0.7 0.5 0.5	0.5 0.5 0.6 0.5 0.4	0.5 0.5 0.7 0.5 0.6 0.7	0.5* 0.5* 0.8* 0.4* 0.2 -0.3	1.0* 1.0* 2.6 1.0* 0.8 1.2	0.2 0.2 0.8 0.0 -0.2 -1.0			

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.8, April 2020, National Cancer Institute. Statistic not shown. Rate based on less than 16 cases for the time interval.

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

Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, а b

Utah, and Atlanta.

The SEER 21 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts.
The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over

diagnosis years 2000-2017.

d The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2017.

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.

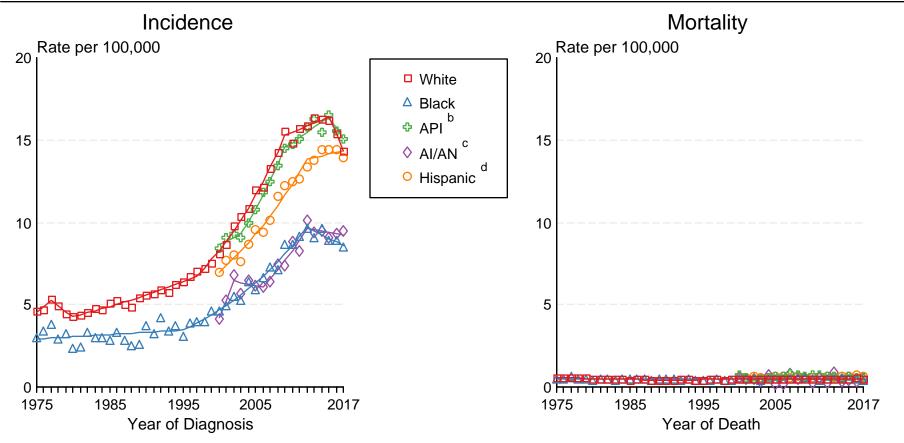
Incidence data for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) counties.

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

The 2008-2017 mortality AAPCs are based on a Joinpoint analysis using years of death 2000-2017. The APC is significantly different from zero (p<.05).

SEER Incidence and US Death Rates^a Cancer of the Thyroid, Both Sexes

Joinpoint Analyses for Whites and Blacks from 1975-2017 and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 2000-2017



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 21 areas (SEER 9 areas, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts).

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 4.8, April 2020, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2017 period allow a maximum of 5 joinpoints. Analyses for other ethnic groups during the period 2000-2017 allow a maximum of 3 joinpoints.

- c Al/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) 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 27.15 Cancer of the Urinary Bladder

SEER Incidence (Invasive and In Situ) and U.S. Mortality Age-Adjusted Rates and Trends^a By Race/Ethnicity and Sex

SEER Incidence	SEER 21 Areas ^b Rate 2013-2017 Rate per 100,000 persons			SEER 21 Areas ^b Trend 2008-2017 ^c AAPC (%)			SEER 9 Areas ^b Trend 2008-2017 ^d AAPC (%)			
Daga/Ethniait.	Total	Males	Females	Total	Males	Females	Total	Males	Females	
Race/Ethnicity										
All Races	20.0	34.9	8.6	-1.2*	-1.6*	-1.1*	-1.2*	-1.3*	-1.2*	
White	22.0	38.2	9.4	-1.3*	-1.6*	-1.1*	-1.2*	-1.4*	-1.2*	
White Hispanic ^e	11.2	19.6	5.1	-2.3*	-2.4*	-1.8*	-	-	_	
White Non-Hispanic ^e	23.6	40.8	10.1	-1.1*	-1.3*	-0.9*	-	-	=	
Black	11.8	19.7	6.5	-0.3	-1.0	-0.8*	0.2*	0.4*	0.0	
Asian/Pacific Islander	8.9	15.7	3.8	-0.7*	-0.7*	-0.8	-	=	-	
Amer Ind/Alaska Nat ^f	9.6	16.3	4.5	1.3	1.0	2.1	=	-	-	
Hispanic ^e	11.0	19.3	5.0	-1.8*	-1.3*	-1.6*	-	-	-	
U.S. Mortality ^g										
	Rate 2013-2017 Rate per 100,000 persons				,					
					d 2008- AAPC (%)					
		100,00			AAPC (%)					
Race/Ethnicity	Rate per	100,00	0 persons		AAPC (%))				
	Rate per	100,00	0 persons		AAPC (%)) Females				
Race/Ethnicity	Rate per	100,00 Males	0 persons Females	Total	Males -0.5*) Females				
Race/Ethnicity All Races	Rate per Total 4.4	100,00 Males 7.5	0 persons Females 2.1	Total	Males -0.5*	Females -0.5*				
Race/Ethnicity All Races White	Rate per Total 4.4 4.6	7.5 8.0	0 persons Females 2.1 2.2	0.0 0.1*	Males -0.5*	Females -0.5* -0.3*				
Race/Ethnicity All Races White White Hispanice	Rate per	7.5 8.0 4.1	0 persons Females 2.1 2.2 1.3	Total 0.0 0.1* -0.3	AAPC (%) Males -0.5* -0.3 -0.5	Females -0.5* -0.3* -0.4				
Race/Ethnicity All Races White White Hispanice White Non-Hispanice	Rate per Total 4.4 4.6 2.5 4.8	7.5 8.0 4.1 8.3	0 persons Females 2.1 2.2 1.3 2.3	0.0 0.1* -0.3 0.2*	Males -0.5* -0.3 -0.5 -0.2	-0.5* -0.3* -0.4 -0.2*				
Race/Ethnicity All Races White White Hispanice White Non-Hispanice	Rate per Total 4.4 4.6 2.5 4.8 3.5	7.5 8.0 4.1 8.3 5.3	0 persons Females 2.1 2.2 1.3 2.3 2.4	Total 0.0 0.1* -0.3 0.2* -0.7*	Males -0.5* -0.3 -0.5 -0.4	Females -0.5* -0.3* -0.4 -0.2* -1.4*				
Race/Ethnicity All Races White White Hispanice White Non-Hispanice Black Asian/Pacific Islander Amer Ind/Alaska Nat Total U.S.	Rate per Total 4.4 4.6 2.5 4.8 3.5 1.7	7.5 8.0 4.1 8.3 5.3 2.8	0 persons Females 2.1 2.2 1.3 2.3 2.4 0.9	Total 0.0 0.1* -0.3 0.2* -0.7* -0.4	AAPC (% Males -0.5* -0.3 -0.5 -0.2 -0.4 -0.1	Females -0.5* -0.3* -0.4 -0.2* -1.4*				
Race/Ethnicity All Races White White Hispanice White Non-Hispanice Black Asian/Pacific Islander Amer Ind/Alaska Nat Total U.S. PRCDA Counties	Rate per Total 4.4 4.6 2.5 4.8 3.5 1.7	7.5 8.0 4.1 8.3 5.3 2.8	0 persons Females 2.1 2.2 1.3 2.3 2.4 0.9 1.1 1.7	Total 0.0 0.1* -0.3 0.2* -0.7* -0.4	-0.5* -0.3 -0.5 -0.2 -0.4 -0.1	Pemales -0.5* -0.3* -0.4 -0.2* -1.4* -0.8				
Race/Ethnicity All Races White White Hispanice White Non-Hispanice Black Asian/Pacific Islander Amer Ind/Alaska Nat Total U.S.	Rate per Total 4.4 4.6 2.5 4.8 3.5 1.7	7.5 8.0 4.1 8.3 5.3 2.8	0 persons Females 2.1 2.2 1.3 2.3 2.4 0.9	Total 0.0 0.1* -0.3 0.2* -0.7* -0.4	AAPC (% Males -0.5* -0.3 -0.5 -0.2 -0.4 -0.1	-0.5* -0.3* -0.4 -0.2* -1.4* -0.8				

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.8, April 2020, National Cancer Institute. Statistic not shown. Rate based on less than 16 cases for the time interval.

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

Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, а b

Utah, and Atlanta.

The SEER 21 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts.
The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over

diagnosis years 2000-2017.

d The 2008-2017 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2017.

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.

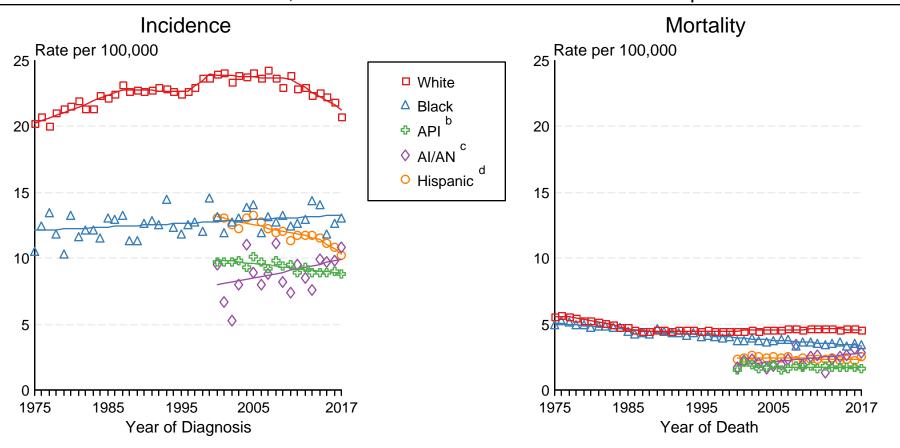
Incidence data for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) counties.

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

The 2008-2017 mortality AAPCs are based on a Joinpoint analysis using years of death 2000-2017. The APC is significantly different from zero (p<.05).

SEER Incidence and US Death Rates^a Cancer of the Urinary Bladder, Both Sexes

Joinpoint Analyses for Whites and Blacks from 1975-2017 and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 2000-2017



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 21 areas (SEER 9 areas, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts).

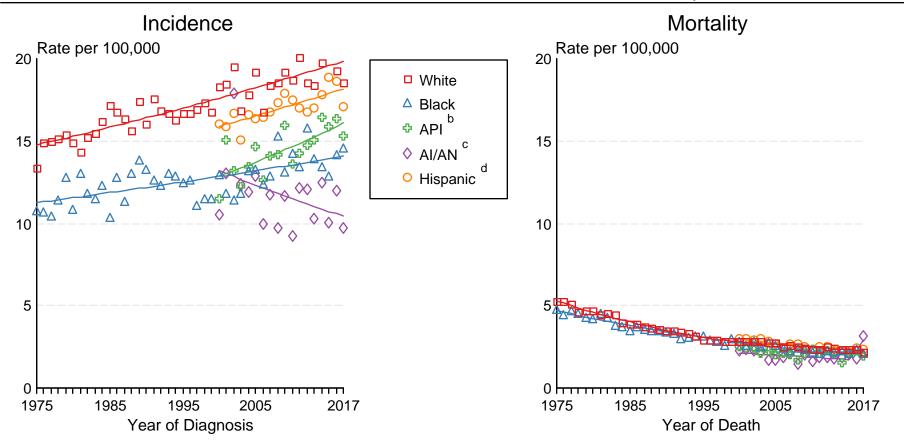
Mortality data are from US Mortality Files, National Center for Health Statistics, CDC.

^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 4.8, April 2020, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2017 period allow a maximum of 5 joinpoints. Analyses for other ethnic groups during the period 2000-2017 allow a maximum of 3 joinpoints.

- c Al/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) 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.

SEER Incidence and US Death Rates^a All Cancer Sites, Ages <20, Both Sexes

Joinpoint Analyses for Whites and Blacks from 1975-2017 and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 2000-2017



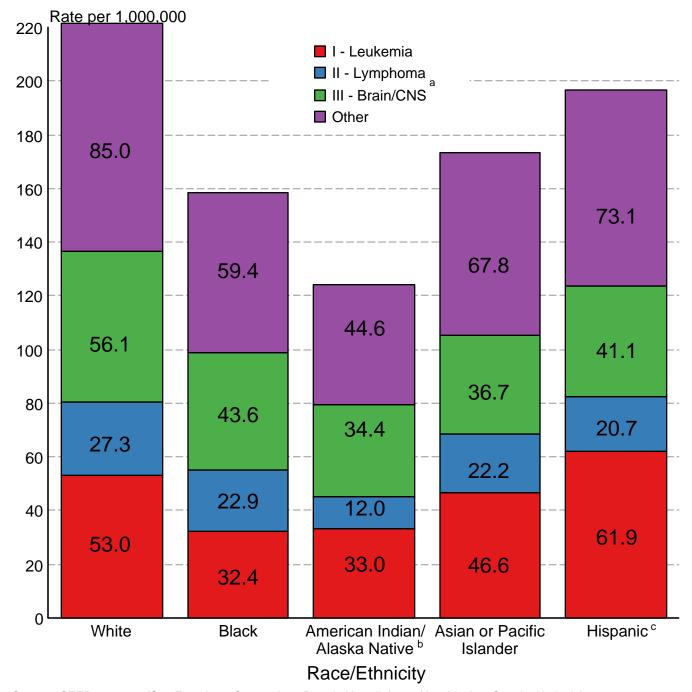
Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta). Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 21 areas (SEER 9 areas, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts).

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 4.8, April 2020, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2017 period allow a maximum of 5 joinpoints. Analyses for other ethnic groups during the period 2000-2017 allow a maximum of 3 joinpoints.

- c Al/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) 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.

Childhood Cancer: SEER Incidence Rates 2013- 2017 by ICCC Group and Race/Ethnicity (includes myelodysplastic syndromes and Group III benign brain) Both Sexes, Under 20 Years of Age



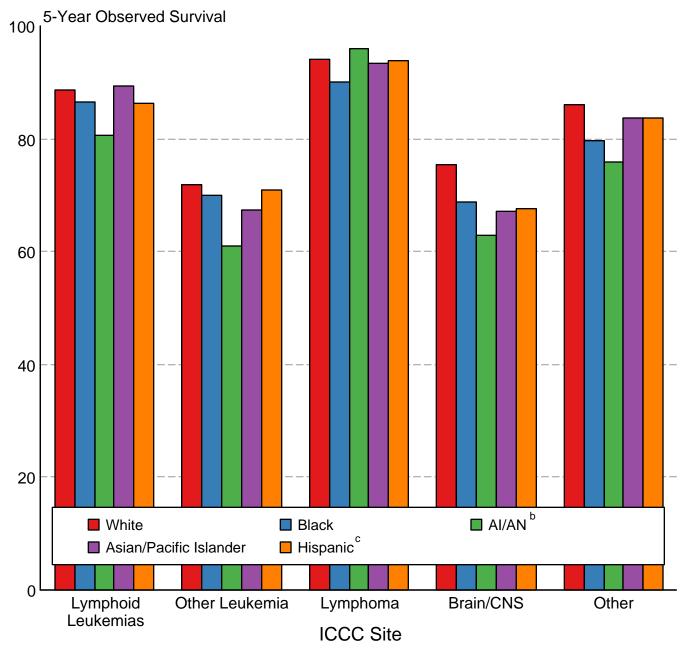
Source: SEER 21 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts). Incidence rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). 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.

^a Rate for Group III (Brain/CNS) includes benign brain tumors.

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

^c 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.

Childhood Cancer 5-Year Observed Survival (%) by ICCC Group^a and Race/Ethnicity Both Sexes, Under 20 Years of Age, 2010-2016



Source: SEER 18 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, New Jersey and Georgia excluding ATL/RG).

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.

- ^a Excludes myelodysplastic sydromes (MDS) and benign brain tumors.
- b American Indian/Alaska Native. Survival data for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.
- ^c 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.