

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

| | All Races | | White | | Black | |
|-------------------------------------|--------------------------------|-------------------------------|--|-------------------------------|--------------------------------|-------------------------------|
| | Rate ^b 2008-2012 | APC ^c 2003-2012 | Rate ^b 2008-2012 | APC ^c 2003-2012 | Rate ^b 2008-2012 | APC ^c 2003-2012 |
| All Sites | 454.8 | -0.7* | 463.3 | -0.7* | 478.0 | -1.1* |
| Breast | 67.2 | 0.0 | 68.1 | -0.1 | 91.2 | -2.4* |
| Prostate ^f | 62.7 | -2.4* | 60.2 | -1.8* | 70.8 | 0.5 |
| Lung and Bronchus | 58.7 | -1.9* | 60.0 | -2.7* | 67.0 | -2.1* |
| Colon and Rectum | 42.4 | -2.8* | 41.5 | -2.9* | 52.3 | -2.8* |
| Melanoma of the Skin | 21.6 | 1.2* | 25.6 | 1.2* | 18.1 | 2.3* |
| Urinary Bladder | 20.3 | -0.9* | 22.2 | -0.9* | 15.7 | -0.3 |
| Non-Hodgkin Lymphoma | 19.7 | -0.3 | 20.6 | -0.3 | 14.6 | -0.4 |
| Kidney and Renal Pelvis | 15.6 | 1.5* | 16.1 | 1.5* | 13.6 | 2.6* |
| Thyroid | 13.5 | 5.4* | 14.3 | 5.4* | 12.8 | 0.7* |
| Corpus and Uterus, NOS ^f | 13.4 | 1.3* | 14.0 | 0.2 | 12.6 | -0.6 |
| Leukemia | 13.3 | 0.2 | 13.6 | 1.1* | 10.9 | -2.2* |
| Pancreas | 12.4 | 0.7* | 12.3 | 0.9* | 10.6 | -0.3 |
| Oral Cavity and Pharynx | 11.0 | 0.5* | 11.5 | 0.9* | 9.8 | 3.2* |
| Liver & IBD ^g | 8.2 | 3.1* | 7.2 | 3.8* | 9.3 | -2.3* |
| Stomach | 7.4 | -1.1* | 7.1 | -0.5* | 8.0 | 4.9* |
| | | | | | | |
| | Asian/Pacific Islander | | American Indian/Alaska Native ^d | | Hispanic ^e | |
| | Rate ^b 2008-2012 | APC ^c 2003-2012 | Rate ^b 2008-2012 | APC ^c 2003-2012 | Rate ^b 2008-2012 | APC ^c 2003-2012 |
| All Sites | 306.8 | -0.9* | 319.7 | -1.3* | 349.9 | -1.0* |
| Breast | 53.1 | 1.0* | 44.1 | -0.1 | 50.7 | -3.6* |
| Lung and Bronchus | 37.1 | -1.5* | 40.3 | -1.6* | 49.4 | 0.1 |
| Colon and Rectum | 36.1 | -2.2* | 39.9 | -3.9* | 35.8 | -2.2* |
| Prostate ^f | 32.3 | -4.6* | 29.8 | -4.7* | 30.4 | -2.4* |
| Liver & IBD ^g | 13.7 | -1.3* | 18.8 | -0.3 | 17.8 | 0.0 |
| Non-Hodgkin Lymphoma | 13.6 | -0.1 | 13.6 | 1.7 | 15.4 | 1.2* |
| Thyroid | 13.2 | 5.2* | 12.6 | 0.2 | 12.5 | 2.7* |
| Stomach | 11.2 | -3.6* | 10.5 | 1.8 | 11.5 | 5.3* |
| Corpus and Uterus, NOS ^f | 10.9 | 2.6* | 9.9 | -2.1 | 11.2 | -1.4* |
| Pancreas | 9.9 | 1.0* | 9.5 | -2.0 | 11.1 | -0.1 |
| Urinary Bladder | 9.0 | -1.6* | 8.8 | 2.5 | 11.0 | 2.2* |
| Kidney and Renal Pelvis | 8.2 | 1.3 | 8.5 | -0.9 | 10.9 | -2.1* |
| Leukemia | 7.8 | 0.0 | 8.5 | 6.2* | 10.5 | 0.1 |
| Oral Cavity and Pharynx | 7.6 | -0.7 | 8.4 | 1.3 | 6.8 | 1.1* |
| Ovary ^{fh} | 5.1 | -1.2* | 5.5 | -2.1 | 5.9 | -1.4* |

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).

^a Top 15 cancer sites selected based on 2008-2012 age-adjusted rates for the race/ethnic group.

^b Rates are per 100,000 and age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

^c 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 CHSDA (Contract Health Service Delivery Area) 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.

^f The rates for sex-specific cancer sites are calculated using the population for both sexes combined.

^g IBD = Intrahepatic Bile Duct. ONS = Other Nervous System.

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

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

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

Table 1.25
Age-Adjusted SEER Incidence Rates and Trends for the Top 15 Cancer Sites^a by Race/Ethnicity

| | | | Males | | | | | |
|-------------------------------|-------------------|------------------|--|-------------------|------------------|-----------------------------|-------------------|------------------|
| All Races | | | White | | | Black | | |
| | Rate ^b | APC ^c | | Rate ^b | APC ^c | | Rate ^b | APC ^c |
| | 2008-2012 | 2003-2012 | | 2008-2012 | 2003-2012 | | 2008-2012 | 2003-2012 |
| All Sites | 516.6 | -1.3* | All Sites | 519.8 | -1.3* | All Sites | 590.1 | -2.1* |
| Prostate | 137.9 | -2.9* | Prostate | 130.4 | -3.2* | Prostate | 214.5 | -2.9* |
| Lung and Bronchus | 70.1 | -2.6* | Lung and Bronchus | 70.3 | -2.5* | Lung and Bronchus | 90.9 | -2.9* |
| Colon and Rectum | 48.9 | -3.1* | Colon and Rectum | 47.8 | -3.3* | Colon and Rectum | 61.2 | -3.0* |
| Urinary Bladder | 35.8 | -1.0* | Urinary Bladder | 39.0 | -1.0* | Kidney and Renal Pelvis | 25.1 | 1.7* |
| Melanoma of the Skin | 28.2 | 1.5* | Melanoma of the Skin | 33.0 | 1.4* | Urinary Bladder | 21.4 | -0.3 |
| Non-Hodgkin Lymphoma | 23.9 | -0.2 | Non-Hodgkin Lymphoma | 24.9 | -0.2 | Non-Hodgkin Lymphoma | 17.8 | -0.8 |
| Kidney and Renal Pelvis | 21.3 | 1.5* | Kidney and Renal Pelvis | 21.9 | 1.5* | Pancreas | 17.2 | -0.3 |
| Leukemia | 17.0 | 0.0 | Leukemia | 17.9 | 0.0 | Liver & IBD ^f | 16.2 | 3.4* |
| Oral Cavity and Pharynx | 16.5 | 0.5* | Oral Cavity and Pharynx | 17.1 | 0.9* | Myeloma | 15.1 | 0.1 |
| Pancreas | 14.0 | 0.8* | Pancreas | 14.0 | 0.9* | Oral Cavity and Pharynx | 14.6 | -2.4* |
| Liver & IBD ^f | 12.7 | 3.2* | Liver & IBD ^f | 11.2 | 3.8* | Stomach | 14.6 | -3.5* |
| Stomach | 10.1 | -1.4* | Stomach | 9.2 | -0.9* | Leukemia | 13.5 | -0.6 |
| Myeloma | 7.9 | 1.3* | Brain and ONS ^f | 8.4 | -0.4 | Larynx | 8.8 | -3.3* |
| Brain and ONS ^f | 7.7 | -0.4 | Esophagus | 8.0 | -0.3 | Esophagus | 7.6 | -5.0* |
| Esophagus | 7.6 | -1.0* | Myeloma | 7.5 | 1.4* | Brain and ONS ^f | 4.9 | 0.2 |
| Asian/Pacific Islander | | | American Indian/Alaska Native^d | | | Hispanic^e | | |
| | Rate ^b | APC ^c | | Rate ^b | APC ^c | | Rate ^b | APC ^c |
| | 2008-2012 | 2003-2012 | | 2008-2012 | 2003-2012 | | 2008-2012 | 2003-2012 |
| All Sites | 325.4 | -2.1* | All Sites | 340.8 | -1.8* | All Sites | 395.0 | -1.9* |
| Prostate | 74.0 | -4.8* | Prostate | 67.1 | -5.0* | Prostate | 114.7 | -4.0* |
| Lung and Bronchus | 49.0 | -2.3* | Lung and Bronchus | 47.6 | -3.7* | Colon and Rectum | 43.3 | -2.4* |
| Colon and Rectum | 42.2 | -2.2* | Colon and Rectum | 46.3 | 0.0 | Lung and Bronchus | 37.9 | -3.3* |
| Liver & IBD ^f | 20.9 | -1.2 | Kidney and Renal Pelvis | 24.8 | 1.0 | Non-Hodgkin Lymphoma | 20.6 | 0.3 |
| Non-Hodgkin Lymphoma | 16.6 | 0.1 | Liver & IBD ^f | 19.9 | 1.3 | Kidney and Renal Pelvis | 20.2 | 0.6 |
| Urinary Bladder | 15.8 | -1.6* | Urinary Bladder | 15.6 | -1.0 | Urinary Bladder | 19.6 | -1.5* |
| Stomach | 14.5 | -3.9* | Non-Hodgkin Lymphoma | 14.6 | 1.1 | Liver & IBD ^f | 19.1 | 2.8* |
| Kidney and Renal Pelvis | 11.6 | 1.6 | Oral Cavity and Pharynx | 13.2 | 4.5 | Stomach | 14.2 | -2.4* |
| Oral Cavity and Pharynx | 11.0 | -0.1 | Stomach | 12.3 | -4.1 | Leukemia | 12.6 | -0.3 |
| Pancreas | 10.8 | 0.4 | Pancreas | 11.1 | - | Pancreas | 11.9 | 0.1 |
| Leukemia | 9.8 | 0.3 | Leukemia | 10.1 | 2.8 | Oral Cavity and Pharynx | 10.1 | 1.1 |
| Thyroid | 6.2 | 6.4* | Esophagus | 4.9 | - | Myeloma | 7.3 | 0.7 |
| Myeloma | 4.6 | 0.9 | Testis | 4.8 | - | Brain and ONS ^f | 5.8 | -2.0* |
| Brain and ONS ^f | 4.3 | 0.3 | Myeloma | 4.6 | - | Esophagus | 5.2 | -1.2 |
| Esophagus | 3.6 | -2.8 | Larynx | 4.3 | - | Testis | 4.9 | 2.8* |

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).

^a Top 15 cancer sites selected based on 2008-2012 age-adjusted rates for the race/ethnic group.

^b Rates are per 100,000 and age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

^c 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 CHSDA (Contract Health Service Delivery Area) 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.

^f IBD = Intrahepatic Bile Duct. ONS = Other Nervous System.

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

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

Table 1.26
Age-Adjusted SEER Incidence Rates and Trends for the Top 15 Cancer Sites^a by Race/Ethnicity

Females

| | All Races | | White | | Black | |
|----------------------------|--------------------------------|-------------------------------|--|-------------------------------|--------------------------------|-------------------------------|
| | Rate ^b 2008-2012 | APC ^c 2003-2012 | Rate ^b 2008-2012 | APC ^c 2003-2012 | Rate ^b 2008-2012 | APC ^c 2003-2012 |
| All Sites | 411.2 | -0.1 | 423.9 | -0.1 | 401.2 | -0.2 |
| Breast | 124.8 | 0.1 | 127.9 | 0.0 | 124.4 | 0.7* |
| Lung and Bronchus | 50.2 | -1.2* | 52.7 | -1.2* | 50.8 | -1.3* |
| Colon and Rectum | 37.1 | -2.6* | 36.3 | -2.6* | 46.0 | -2.8* |
| Corpus and Uterus, NOS | 25.1 | 1.6* | 25.8 | 1.4* | 24.0 | 2.9* |
| Thyroid | 20.0 | 5.5* | 21.3 | 5.5* | 14.4 | -0.3 |
| Melanoma of the Skin | 16.8 | 0.7 | 20.2 | 0.8 | 12.8 | 2.8* |
| Non-Hodgkin Lymphoma | 16.3 | -0.5* | 17.1 | -0.5* | 12.1 | -0.1 |
| Ovary ^g | 12.1 | -1.6* | 12.8 | -1.6* | 11.8 | 5.3* |
| Pancreas | 11.0 | 0.6* | 11.1 | 1.3* | 11.2 | 1.1 |
| Kidney and Renal Pelvis | 10.8 | 1.3* | 10.9 | 0.3 | 9.8 | -1.4* |
| Leukemia | 10.4 | 0.3 | 10.8 | 0.7* | 9.2 | -3.1* |
| Urinary Bladder | 8.7 | -1.3* | 9.4 | -1.2* | 8.5 | 0.1 |
| Cervix Uteri | 7.7 | -1.5* | 7.7 | -1.0* | 8.4 | -0.9 |
| Oral Cavity and Pharynx | 6.3 | 0.2 | 6.4 | 0.6* | 6.9 | -1.5 |
| Brain and ONS ^f | 5.4 | -0.8* | 5.9 | -0.7* | 5.2 | -2.3* |
| | | | | | | |
| | Asian/Pacific Islander | | American Indian/Alaska Native ^d | | Hispanic ^e | |
| | Rate ^b 2008-2012 | APC ^c 2003-2012 | Rate ^b 2008-2012 | APC ^c 2003-2012 | Rate ^b 2008-2012 | APC ^c 2003-2012 |
| All Sites | 297.5 | 0.1 | 308.8 | -0.8 | 322.2 | -0.2 |
| Breast | 96.3 | 0.9* | 82.0 | 0.0 | 92.1 | 0.2 |
| Colon and Rectum | 31.3 | -2.2* | 35.7 | -3.1* | 30.0 | -2.0* |
| Lung and Bronchus | 28.5 | -0.3 | 34.5 | -4.1* | 25.1 | -1.3* |
| Corpus and Uterus, NOS | 19.9 | 2.6* | 19.8 | 2.1 | 20.7 | 2.4* |
| Thyroid | 19.3 | 4.9* | 13.9 | -1.9 | 18.1 | 5.5* |
| Non-Hodgkin Lymphoma | 11.3 | -0.4 | 12.9 | 6.9* | 15.5 | -0.3 |
| Ovary ^g | 9.4 | -1.2* | 11.1 | -1.2 | 11.6 | 2.0* |
| Pancreas | 9.3 | 1.5* | 10.0 | -2.1 | 11.0 | -1.1 |
| Stomach | 8.8 | -3.3* | 8.9 | -2.6 | 10.3 | -0.2 |
| Liver & IBD ^f | 7.9 | -1.4 | 8.4 | 2.2 | 9.9 | -4.4* |
| Leukemia | 6.3 | -0.4 | 7.5 | 1.5 | 8.9 | 0.4 |
| Cervix Uteri | 6.3 | -3.2* | 7.5 | -1.2 | 8.4 | -1.8* |
| Kidney and Renal Pelvis | 5.5 | 0.8 | 7.2 | 0.6 | 7.0 | 2.4* |
| Oral Cavity and Pharynx | 4.9 | -1.4 | 5.2 | - | 5.1 | -1.6* |
| Urinary Bladder | 4.0 | -1.5 | 4.5 | - | 4.8 | -0.7 |

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).

^a Top 15 cancer sites selected based on 2008-2012 age-adjusted rates for the race/ethnic group.

^b Rates are per 100,000 and age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

^c 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 CHSDA (Contract Health Service Delivery Area) 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.

^f IBD = Intrahepatic Bile Duct. ONS = Other Nervous System.

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

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

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

Table 1.27
Age-Adjusted U.S. Death Rates and Trends for the Top 15 Cancer Sites^a by Race/Ethnicity
Both Sexes

| | All Races | | White | | Black | |
|----------------------------|--------------------------------|-------------------------------|--|-------------------------------|--------------------------------|-------------------------------|
| | Rate ^b 2008-2012 | APC ^c 2003-2012 | Rate ^b 2008-2012 | APC ^c 2003-2012 | Rate ^b 2008-2012 | APC ^c 2003-2012 |
| All Sites | 171.2 | -1.5* | 170.9 | -1.4* | 202.0 | -2.1* |
| Lung and Bronchus | 47.2 | -2.1* | 47.9 | -2.0* | 50.6 | -2.6* |
| Colon and Rectum | 15.5 | -2.7* | 15.0 | -2.7* | 21.4 | -3.0* |
| Breast | 12.2 | -2.1* | 11.8 | -2.1* | 17.8 | -1.5* |
| Pancreas | 10.9 | 0.3* | 10.8 | 0.5* | 16.6 | -3.4* |
| Prostate ^f | 8.5 | -2.6* | 7.9 | -2.5* | 13.5 | -0.4* |
| Leukemia | 7.0 | -0.9* | 7.2 | -0.8* | 7.9 | 2.5* |
| Non-Hodgkin Lymphoma | 6.2 | -2.4* | 6.4 | -2.4* | 6.3 | -3.0* |
| Liver & IBD ^g | 6.0 | 2.6* | 5.5 | 2.8* | 6.2 | -1.4* |
| Urinary Bladder | 4.4 | 0.1 | 4.7 | 0.1 | 6.0 | -1.4* |
| Brain and ONS ^g | 4.3 | 0.0 | 4.6 | 0.3* | 4.5 | 1.4* |
| Ovary ^f | 4.3 | -2.3* | 4.4 | -2.3* | 4.4 | -1.7* |
| Esophagus | 4.2 | -0.8* | 4.3 | -0.2 | 4.0 | -4.5* |
| Kidney and Renal Pelvis | 3.9 | -0.9* | 4.0 | -0.8* | 3.9 | -1.7* |
| Stomach | 3.4 | -2.7* | 3.1 | 0.2 | 3.8 | -1.2* |
| Myeloma | 3.3 | -1.1* | 3.1 | -1.0* | 3.5 | -0.9 |
| | | | | | | |
| | Asian/Pacific Islander | | American Indian/Alaska Native ^d | | Hispanic ^e | |
| | Rate ^b 2008-2012 | APC ^c 2003-2012 | Rate ^b 2008-2012 | APC ^c 2003-2012 | Rate ^b 2008-2012 | APC ^c 2003-2012 |
| All Sites | 106.6 | -1.1* | 156.1 | -1.1* | 119.3 | -1.2* |
| Lung and Bronchus | 24.8 | -1.4* | 39.4 | -1.1 | 20.4 | -2.4* |
| Colon and Rectum | 11.0 | -1.2* | 17.1 | -0.3 | 12.2 | -1.7* |
| Liver & IBD ^g | 9.8 | -0.9 | 9.8 | 2.1 | 8.9 | 1.6* |
| Pancreas | 7.8 | 0.5 | 8.5 | -0.3 | 8.7 | 0.1 |
| Breast | 6.4 | -1.3* | 8.4 | -3.8* | 8.1 | -1.5* |
| Stomach | 6.0 | -3.8* | 8.1 | -2.1 | 7.1 | -2.5* |
| Non-Hodgkin Lymphoma | 4.1 | -2.0* | 6.6 | 0.6 | 5.5 | -2.8* |
| Leukemia | 4.0 | 1.2* | 5.2 | -3.1* | 5.2 | -1.1* |
| Prostate ^f | 3.7 | -3.5* | 4.6 | -2.6* | 4.9 | -0.5 |
| Ovary ^f | 2.6 | -1.4* | 4.6 | -1.8 | 3.5 | -1.0 |
| Brain and ONS ^g | 2.0 | 0.3 | 3.8 | -1.1 | 3.1 | -1.6* |
| Oral Cavity and Pharynx | 1.9 | -1.4 | 3.4 | -2.7* | 2.8 | 0.2 |
| Kidney and Renal Pelvis | 1.9 | 0.9 | 2.7 | -6.5* | 2.8 | -0.5 |
| Urinary Bladder | 1.7 | 0.2 | 2.5 | 1.5 | 2.3 | -1.0* |
| Myeloma | 1.7 | 1.0 | 2.3 | 1.8 | 2.3 | -0.4 |

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

^a Top 15 cancer sites selected based on 2008-2012 age-adjusted rates for the race/ethnic group.

^b Rates are per 100,000 and age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

^c 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 CHSDA (Contract Health Service Delivery Area) 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.

^g 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^a by Race/Ethnicity

| | | | Males | | | | | |
|-----------------------------|-------------------|------------------|--|-------------------|------------------|----------------------------|-------------------|------------------|
| All Races | | | White | | | Black | | |
| | Rate ^b | APC ^c | | Rate ^b | APC ^c | | Rate ^b | APC ^c |
| | 2008-2012 | 2003-2012 | | 2008-2012 | 2003-2012 | | 2008-2012 | 2003-2012 |
| All Sites | 207.9 | -1.7* | All Sites | 206.4 | -1.6* | All Sites | 261.5 | -2.6* |
| Lung and Bronchus | 59.8 | -2.8* | Lung and Bronchus | 59.7 | -2.7* | Lung and Bronchus | 73.1 | -3.4* |
| Prostate | 21.4 | -3.4* | Prostate | 19.8 | -3.3* | Prostate | 46.3 | -3.9* |
| Colon and Rectum | 18.6 | -2.8* | Colon and Rectum | 18.0 | -2.9* | Colon and Rectum | 26.9 | -2.6* |
| Pancreas | 12.6 | 0.3* | Pancreas | 12.5 | 0.5* | Pancreas | 15.0 | -0.5 |
| Leukemia | 9.4 | -0.9* | Leukemia | 9.7 | -0.8* | Liver & IBD ^f | 12.5 | 2.7* |
| Liver & IBD ^f | 8.8 | 2.8* | Non-Hodgkin Lymphoma | 8.2 | -2.1* | Stomach | 9.2 | -3.3* |
| Non-Hodgkin Lymphoma | 7.9 | -2.1* | Liver & IBD ^f | 8.1 | 3.0* | Leukemia | 7.9 | -1.6* |
| Urinary Bladder | 7.7 | 0.0 | Urinary Bladder | 8.1 | 0.1 | Myeloma | 7.6 | -1.4* |
| Esophagus | 7.5 | -0.8* | Esophagus | 7.7 | -0.2 | Esophagus | 7.0 | -4.5* |
| Kidney and Renal Pelvis | 5.7 | -0.7* | Kidney and Renal Pelvis | 5.9 | -0.6* | Non-Hodgkin Lymphoma | 5.7 | -1.0 |
| Brain and ONS ^f | 5.3 | 0.1 | Brain and ONS ^f | 5.7 | 0.2 | Kidney and Renal Pelvis | 5.6 | -1.3* |
| Stomach | 4.6 | -3.1* | Melanoma of the Skin | 4.6 | 0.4 | Urinary Bladder | 5.3 | -0.7 |
| Myeloma | 4.2 | -0.9* | Myeloma | 4.0 | -0.9* | Oral Cavity and Pharynx | 5.0 | -3.8* |
| Melanoma of the Skin | 4.1 | 0.2 | Stomach | 4.0 | -3.2* | Larynx | 3.6 | -4.2* |
| Oral Cavity and Pharynx | 3.8 | -0.5 | Oral Cavity and Pharynx | 3.7 | 0.0 | Brain and ONS ^f | 3.1 | 0.0 |
| Asian/Pacific Islander | | | American Indian/Alaska Native ^d | | | Hispanic ^e | | |
| | Rate ^b | APC ^c | | Rate ^b | APC ^c | | Rate ^b | APC ^c |
| | 2008-2012 | 2003-2012 | | 2008-2012 | 2003-2012 | | 2008-2012 | 2003-2012 |
| All Sites | 128.4 | -1.5* | All Sites | 186.7 | -1.1 | All Sites | 148.0 | -1.5* |
| Lung and Bronchus | 34.0 | -2.0* | Lung and Bronchus | 49.1 | -0.9 | Lung and Bronchus | 29.5 | -3.1* |
| Liver & IBD ^f | 14.5 | -0.6 | Prostate | 20.2 | -2.8* | Prostate | 17.8 | -3.0* |
| Colon and Rectum | 13.0 | -1.1* | Colon and Rectum | 18.8 | -2.5 | Colon and Rectum | 15.6 | -1.5* |
| Prostate | 9.4 | -3.5* | Liver & IBD ^f | 13.9 | 4.2* | Liver & IBD ^f | 12.9 | 1.7* |
| Pancreas | 8.4 | 0.0 | Pancreas | 9.3 | -1.6 | Pancreas | 9.8 | 0.2 |
| Stomach | 7.9 | -4.3* | Kidney and Renal Pelvis | 8.7 | -0.9 | Stomach | 7.2 | -3.1* |
| Leukemia | 5.1 | 0.7 | Stomach | 7.4 | -3.2 | Non-Hodgkin Lymphoma | 6.3 | -1.1* |
| Non-Hodgkin Lymphoma | 5.0 | -2.2* | Leukemia | 6.7 | 1.6 | Leukemia | 6.1 | -0.7 |
| Urinary Bladder | 3.0 | 1.1 | Non-Hodgkin Lymphoma | 5.7 | 0.5 | Kidney and Renal Pelvis | 5.0 | -1.4 |
| Oral Cavity and Pharynx | 2.9 | -1.5 | Esophagus | 5.6 | -4.9* | Esophagus | 4.3 | 0.1 |
| Kidney and Renal Pelvis | 2.9 | 1.5 | Urinary Bladder | 4.2 | 3.4 | Urinary Bladder | 3.9 | -1.2 |
| Esophagus | 2.8 | -2.4 | Oral Cavity and Pharynx | 3.6 | 0.5 | Myeloma | 3.5 | 0.2 |
| Brain and ONS ^f | 2.4 | 0.2 | Myeloma | 3.2 | -6.8* | Brain and ONS ^f | 3.4 | 0.3 |
| Myeloma | 2.2 | 1.6 | Brain and ONS ^f | 3.2 | 1.6 | Oral Cavity and Pharynx | 2.4 | -1.4* |
| Soft Tissue including Heart | 1.0 | 2.2 | Larynx | 1.7 | - | Larynx | 1.7 | -2.9* |

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

^a Top 15 cancer sites selected based on 2008-2012 age-adjusted rates for the race/ethnic group.

^b Rates are per 100,000 and age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

^c 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 CHSDA (Contract Health Service Delivery Area) counties.

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

^f IBD = Intrahepatic Bile Duct. ONS = Other Nervous System.

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

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

Table 1.29
Age-Adjusted U.S. Death Rates and Trends for the Top 15 Cancer Sites^a by Race/Ethnicity

Females

| All Races | Rate ^b | | APC ^c | All Sites | Rate ^b | | APC ^c | All Sites | Rate ^b | | APC ^c |
|----------------------------|-------------------|------------------|------------------|--|-------------------|-----------|-------------------|----------------------------|-------------------|-----------|------------------|
| | 2008-2012 | 2003-2012 | | | 2008-2012 | 2003-2012 | | | 2008-2012 | 2003-2012 | |
| All Sites | 145.4 | -1.4* | | All Sites | 145.6 | -1.3* | | All Sites | 166.3 | -1.6* | |
| Lung and Bronchus | 37.8 | -1.4* | | Lung and Bronchus | 39.1 | -1.3* | | Lung and Bronchus | 35.8 | -1.8* | |
| Breast | 21.9 | -1.9* | | Breast | 21.3 | -1.9* | | Breast | 30.2 | -1.4* | |
| Colon and Rectum | 13.1 | -2.8* | | Colon and Rectum | 12.7 | -2.8* | | Colon and Rectum | 17.8 | -3.4* | |
| Pancreas | 9.6 | 0.3* | | Pancreas | 9.4 | 0.4* | | Pancreas | 12.3 | -0.2 | |
| Ovary | 7.7 | -2.1* | | Ovary | 8.0 | -2.1* | | Corpus and Uterus, NOS | 7.7 | 1.6* | |
| Leukemia | 5.2 | -1.0* | | Leukemia | 5.4 | -0.9* | | Ovary | 6.7 | -1.6* | |
| Non-Hodgkin Lymphoma | 4.8 | -2.8* | | Non-Hodgkin Lymphoma | 5.0 | -2.8* | | Myeloma | 5.3 | -1.5* | |
| Corpus and Uterus, NOS | 4.4 | 1.1* | | Corpus and Uterus, NOS | 4.1 | 0.9* | | Leukemia | 4.7 | -1.3* | |
| Liver & IBD ^f | 3.5 | 2.0* | | Brain and ONS ^f | 3.8 | -0.2 | | Stomach | 4.4 | -2.8* | |
| Brain and ONS ^f | 3.5 | -0.2 | | Liver & IBD ^f | 3.3 | 2.2* | | Liver & IBD ^f | 4.3 | 1.6* | |
| Myeloma | 2.7 | -1.4* | | Kidney and Renal Pelvis | 2.6 | -1.4* | | Cervix Uteri | 4.0 | -2.2* | |
| Kidney and Renal Pelvis | 2.5 | -1.4* | | Myeloma | 2.4 | -1.4* | | Non-Hodgkin Lymphoma | 3.5 | -2.3* | |
| Stomach | 2.4 | -2.6* | | Urinary Bladder | 2.2 | -0.3 | | Kidney and Renal Pelvis | 2.5 | -1.1 | |
| Cervix Uteri | 2.3 | -0.9* | | Cervix Uteri | 2.1 | -0.6* | | Urinary Bladder | 2.5 | -1.5* | |
| Urinary Bladder | 2.2 | -0.5* | | Stomach | 2.1 | -2.7* | | Brain and ONS ^f | 2.1 | 0.4 | |
| Asian/Pacific Islander | | | | American Indian/Alaska Native ^d | | | | Hispanic ^e | | | |
| | Rate ^b | APC ^c | | Rate ^b | APC ^c | | Rate ^b | APC ^c | | | |
| | 2008-2012 | 2003-2012 | | 2008-2012 | 2003-2012 | | 2008-2012 | 2003-2012 | | | |
| All Sites | 91.2 | -0.8* | | All Sites | 133.9 | -1.3* | | All Sites | 99.4 | -1.0* | |
| Lung and Bronchus | 18.2 | -0.5* | | Lung and Bronchus | 32.1 | -1.3* | | Breast | 14.5 | -1.3* | |
| Breast | 11.4 | -1.4* | | Colon and Rectum | 15.6 | 1.4 | | Lung and Bronchus | 13.7 | -1.4* | |
| Colon and Rectum | 9.4 | -1.3* | | Breast | 15.0 | -3.4* | | Colon and Rectum | 9.6 | -2.2* | |
| Pancreas | 7.3 | 1.0* | | Pancreas | 7.8 | 0.1 | | Pancreas | 7.7 | 0.0 | |
| Liver & IBD ^f | 6.1 | -1.4 | | Ovary | 6.7 | -0.9 | | Ovary | 5.6 | -1.4* | |
| Stomach | 4.7 | -3.3* | | Liver & IBD ^f | 6.3 | -1.2 | | Liver & IBD ^f | 5.6 | 1.1* | |
| Ovary | 4.6 | -1.3* | | Kidney and Renal Pelvis | 4.7 | 1.9 | | Non-Hodgkin Lymphoma | 4.3 | -1.2* | |
| Non-Hodgkin Lymphoma | 3.4 | -1.9* | | Non-Hodgkin Lymphoma | 3.6 | -5.5* | | Stomach | 4.2 | -2.7* | |
| Leukemia | 3.2 | 1.5* | | Stomach | 3.6 | -3.5* | | Leukemia | 4.0 | -0.1 | |
| Corpus and Uterus, NOS | 2.8 | 3.1* | | Corpus and Uterus, NOS | 3.5 | - | | Corpus and Uterus, NOS | 3.5 | 2.3* | |
| Cervix Uteri | 1.8 | -3.1* | | Cervix Uteri | 3.5 | -1.4 | | Cervix Uteri | 2.7 | -2.3* | |
| Brain and ONS ^f | 1.6 | 0.2 | | Leukemia | 3.2 | -5.1 | | Brain and ONS ^f | 2.4 | 0.1 | |
| Myeloma | 1.4 | 0.2 | | Myeloma | 2.3 | -6.6 | | Kidney and Renal Pelvis | 2.4 | -0.8 | |
| Kidney and Renal Pelvis | 1.2 | -0.1 | | Brain and ONS ^f | 1.9 | - | | Myeloma | 2.3 | -1.3 | |
| Oral Cavity and Pharynx | 1.2 | -1.2 | | Gallbladder | 1.8 | -4.4 | | Urinary Bladder | 1.3 | -1.3 | |

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

^a Top 15 cancer sites selected based on 2008-2012 age-adjusted rates for the race/ethnic group.

^b Rates are per 100,000 and age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

^c 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 CHSDA (Contract Health Service Delivery Area) counties.

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

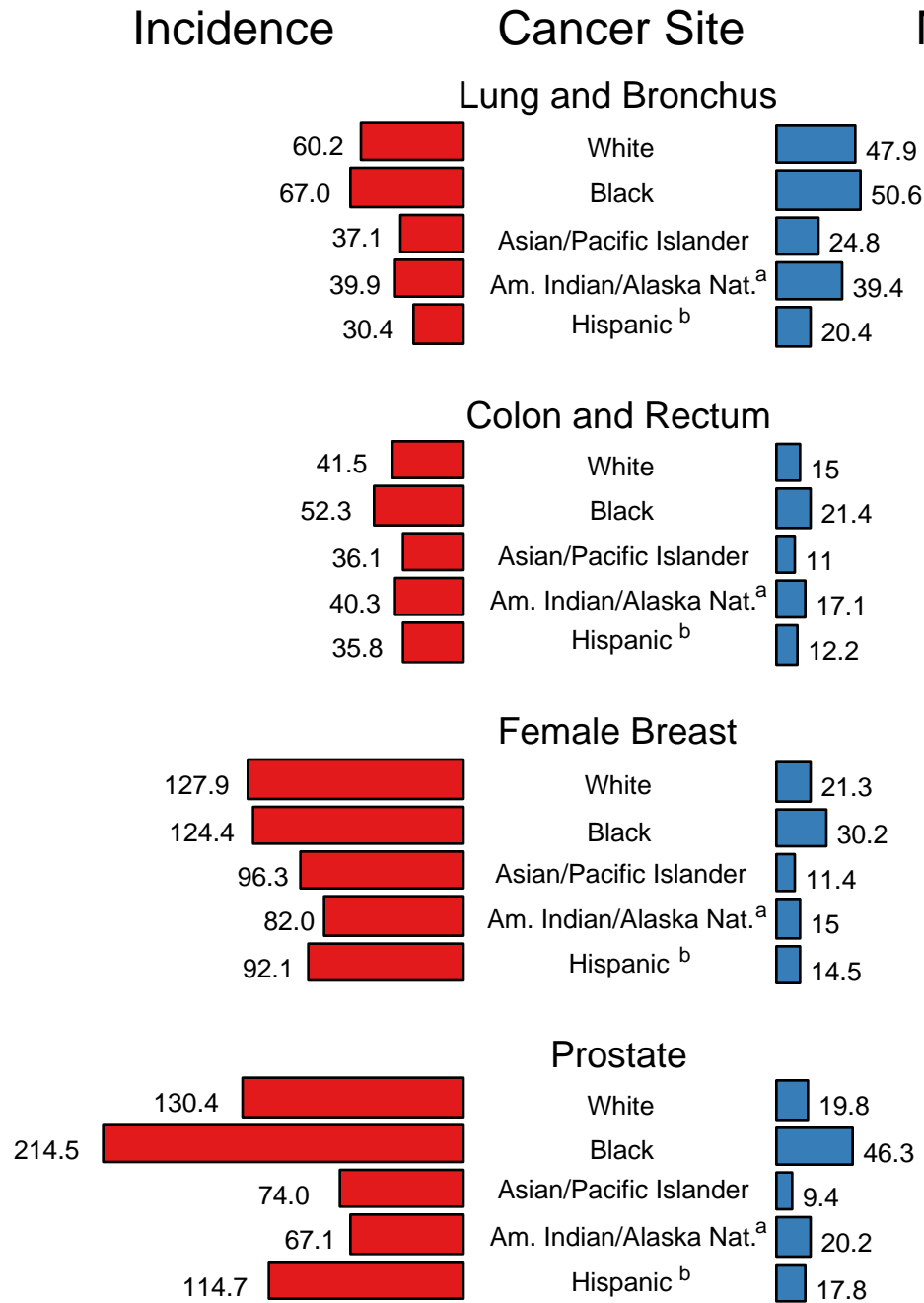
^f IBD = Intrahepatic Bile Duct. ONS = Other Nervous System.

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

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

Figure 1.12

SEER Cancer Incidence and US Death Rates, 2008-2012 By Cancer Site and Race/Ethnicity



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) and US Mortality Files,

^a National Center for Health Statistics, Centers for Disease Control and Prevention.

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

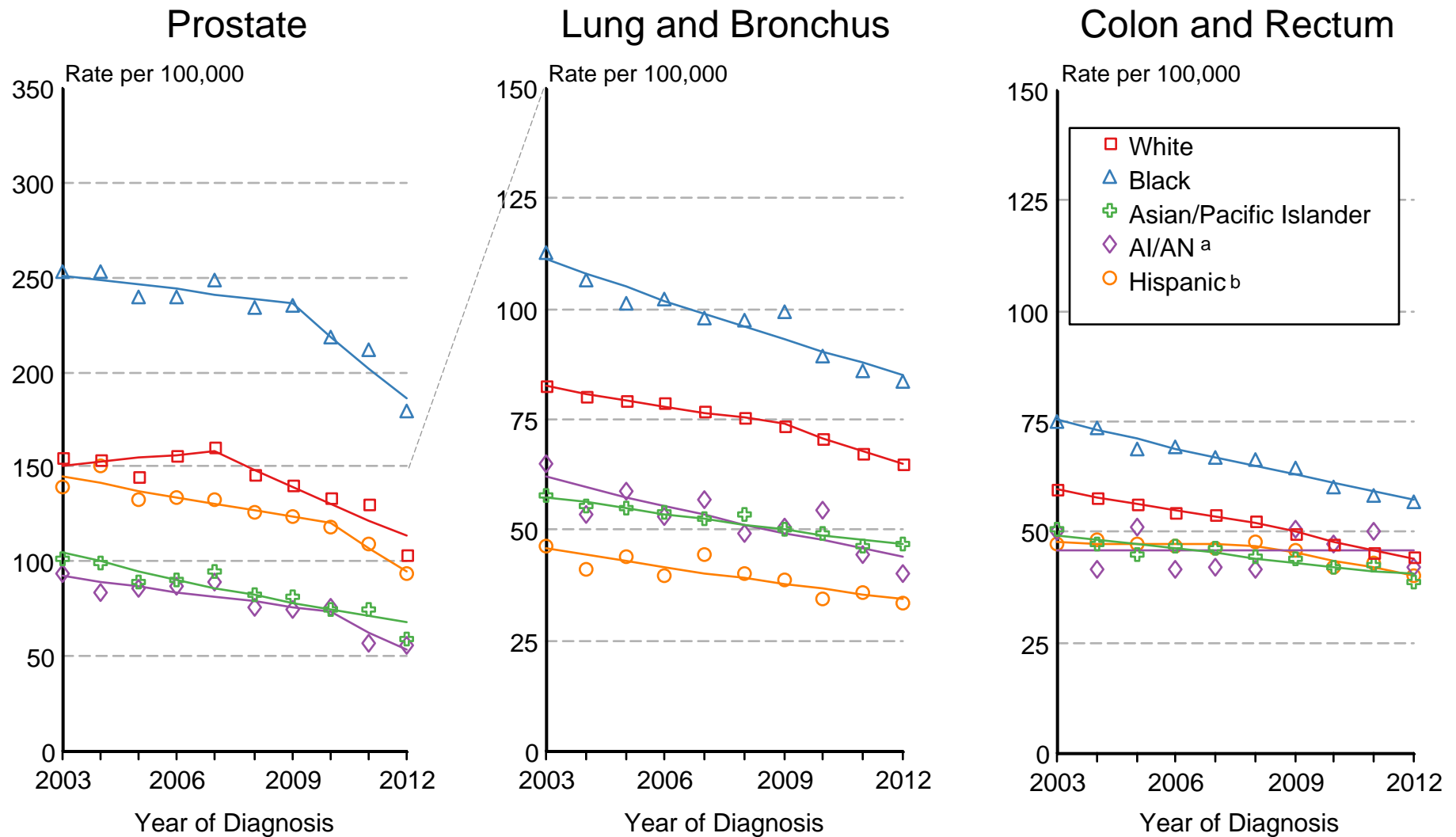
^b counties.

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 2003-2012 Males by Race/Ethnicity



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

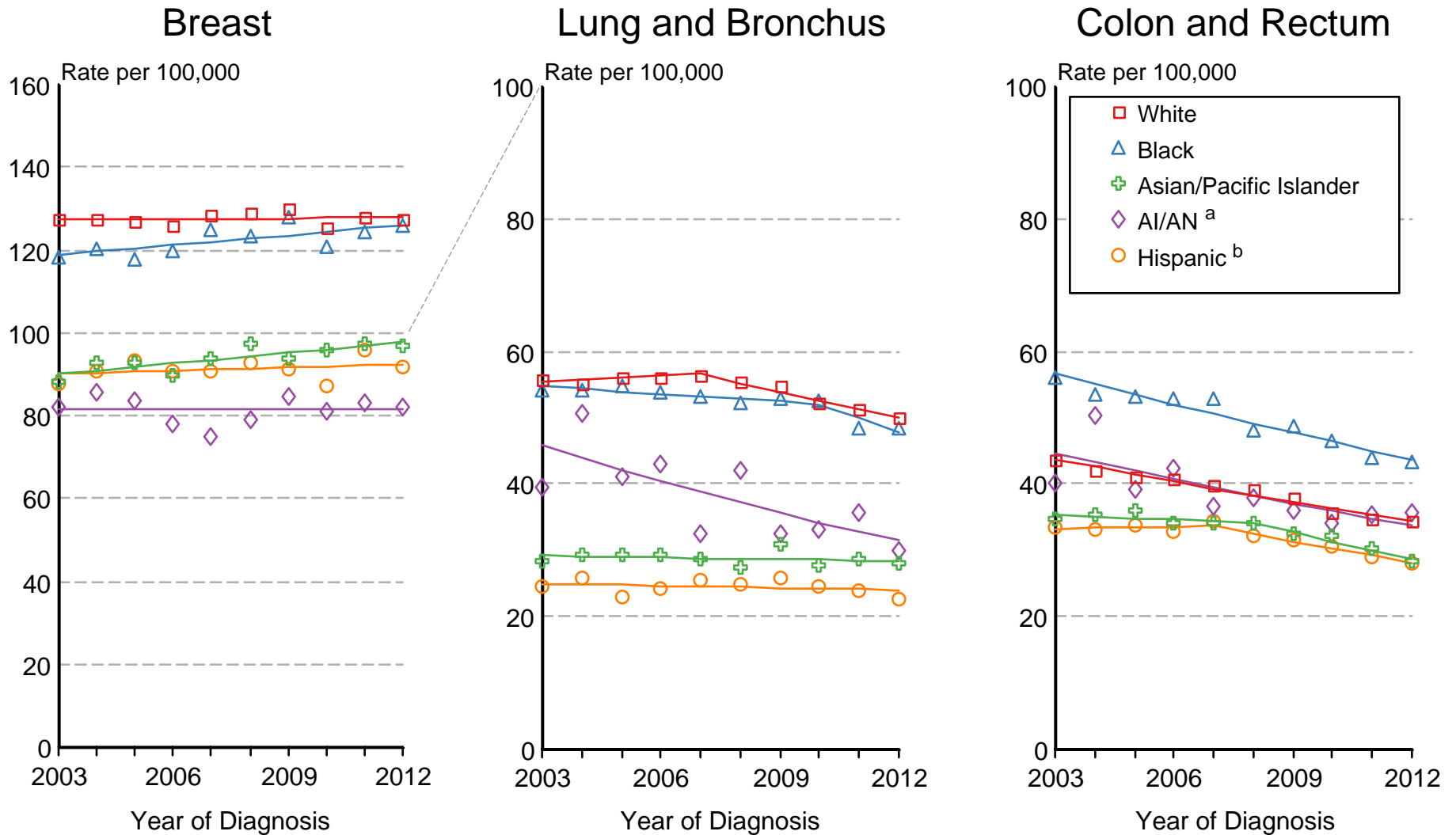
Regression lines are calculated using the Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute.

^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 1.14

SEER Incidence 2003-2012 Females by Race/Ethnicity



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

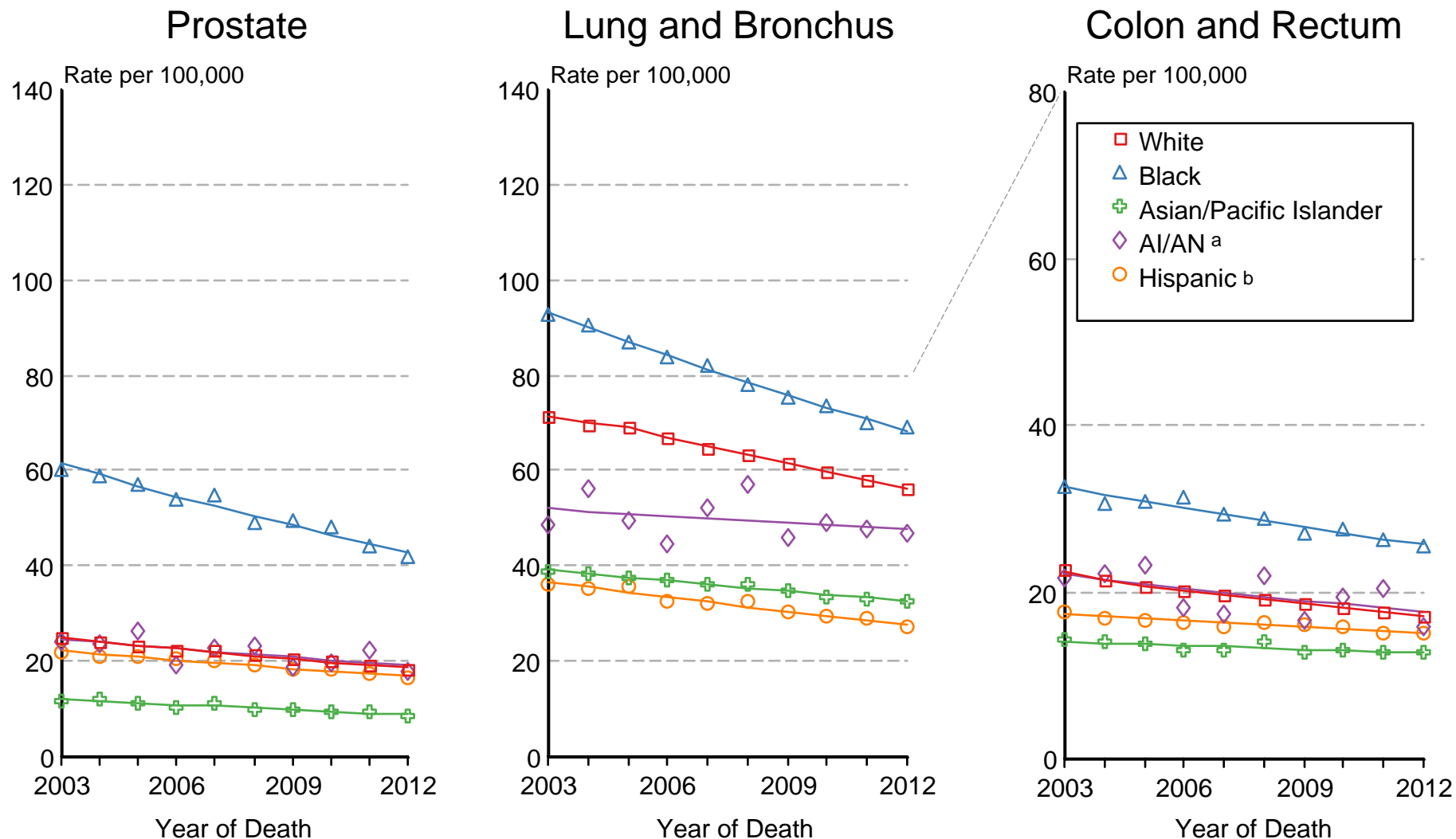
Regression lines are calculated using the Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute.

^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 2003-2012 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).

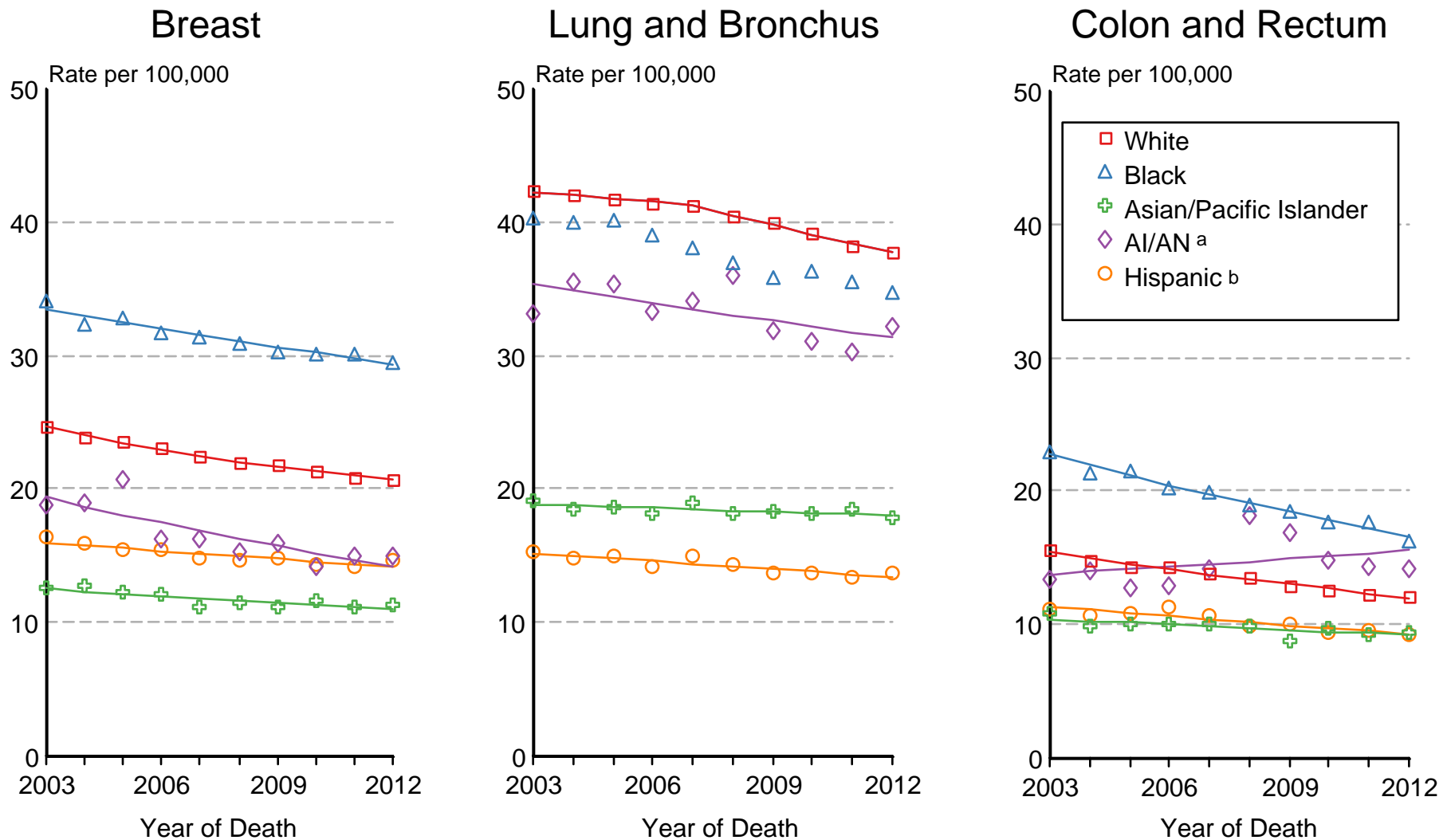
Regression lines are calculated using the Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute.

^a Mortality 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.

Figure 1.16

US Mortality 2003-2012 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).

Regression lines are calculated using the Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute.

^a Mortality 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.

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 | SEER 18 Areas ^b | | | SEER 13 Areas ^b | | | SEER 9 Areas ^b | | |
|-----------------------------------|----------------------------|-------|---------|------------------------------|-------|---------|------------------------------|-------|---------|
| | Rate 2008-2012 | | | Trend 2003-2012 ^c | | | Trend 2003-2012 ^d | | |
| | Rate per 100,000 persons | | | AAPC (%) | | | AAPC (%) | | |
| RACE/ETHNICITY | Total | Males | Females | Total | Males | Females | Total | Males | Females |
| All Races | 454.8 | 516.6 | 411.2 | -1.0* | -1.7* | -0.3* | -0.9* | -1.7* | -0.2* |
| White | 463.3 | 519.8 | 423.9 | -1.0* | -1.7* | -0.3* | -0.9* | -1.7* | -0.2* |
| White Hispanic ^e | 360.8 | 404.3 | 334.5 | -0.8* | -1.7* | 0.2* | - | - | - |
| White Non-Hispanic ^e | 482.4 | 540.0 | 441.6 | -1.0* | -1.6* | -0.3 | - | - | - |
| Black | 478.0 | 590.1 | 401.2 | -1.3* | -2.4* | 0.0 | -1.2* | -2.1* | 0.0 |
| Asian/Pacific Islander | 306.8 | 325.4 | 297.5 | -0.5* | -1.9* | 0.1 | - | - | - |
| Amer Ind/Alaska Nat ^f | 319.7 | 340.8 | 308.8 | 0.1 | -0.4 | 0.6* | - | - | - |
| Hispanic ^e | 349.9 | 395.0 | 322.2 | -0.8* | -1.7* | 0.1 | - | - | - |
| <u>U.S. Mortality^g</u> | | | | | | | | | |
| | Rate 2008-2012 | | | Trend 2003-2012 ^h | | | | | |
| | Rate per 100,000 persons | | | AAPC (%) | | | | | |
| RACE/ETHNICITY | Total | Males | Females | Total | Males | Females | | | |
| All Races | 171.2 | 207.9 | 145.4 | -1.5* | -1.8* | -1.4* | | | |
| White | 170.9 | 206.4 | 145.6 | -1.4* | -1.7* | -1.3* | | | |
| White Hispanic ^e | 125.8 | 155.7 | 105.0 | -1.1* | -1.3* | -0.9* | | | |
| White Non-Hispanic ^e | 174.8 | 210.6 | 149.2 | -1.4* | -1.6* | -1.3* | | | |
| Black | 202.0 | 261.5 | 166.3 | -2.1* | -2.7* | -1.6* | | | |
| Asian/Pacific Islander | 106.6 | 128.4 | 91.2 | -1.1* | -1.6* | -0.9* | | | |
| Amer Ind/Alaska Nat | | | | | | | | | |
| Total U.S. | 117.4 | 140.3 | 100.9 | -1.9* | -1.3* | -1.9* | | | |
| CHSDA Counties | 156.1 | 186.7 | 133.9 | -1.0* | -0.3 | -1.2* | | | |
| Non-CHSDA Counties | 73.1 | 87.7 | 62.8 | -2.8* | -3.4* | -2.2* | | | |
| Hispanic ^e | 119.3 | 148.0 | 99.4 | -1.2* | -1.4* | -1.1* | | | |

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute.

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

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

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

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

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

The SEER 18 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, and Georgia excluding ATL/RG.

c The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over diagnosis years 1992-2012.

d The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2012.

e Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The 2003-2012 Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.

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

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

h The 2003-2012 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2012.

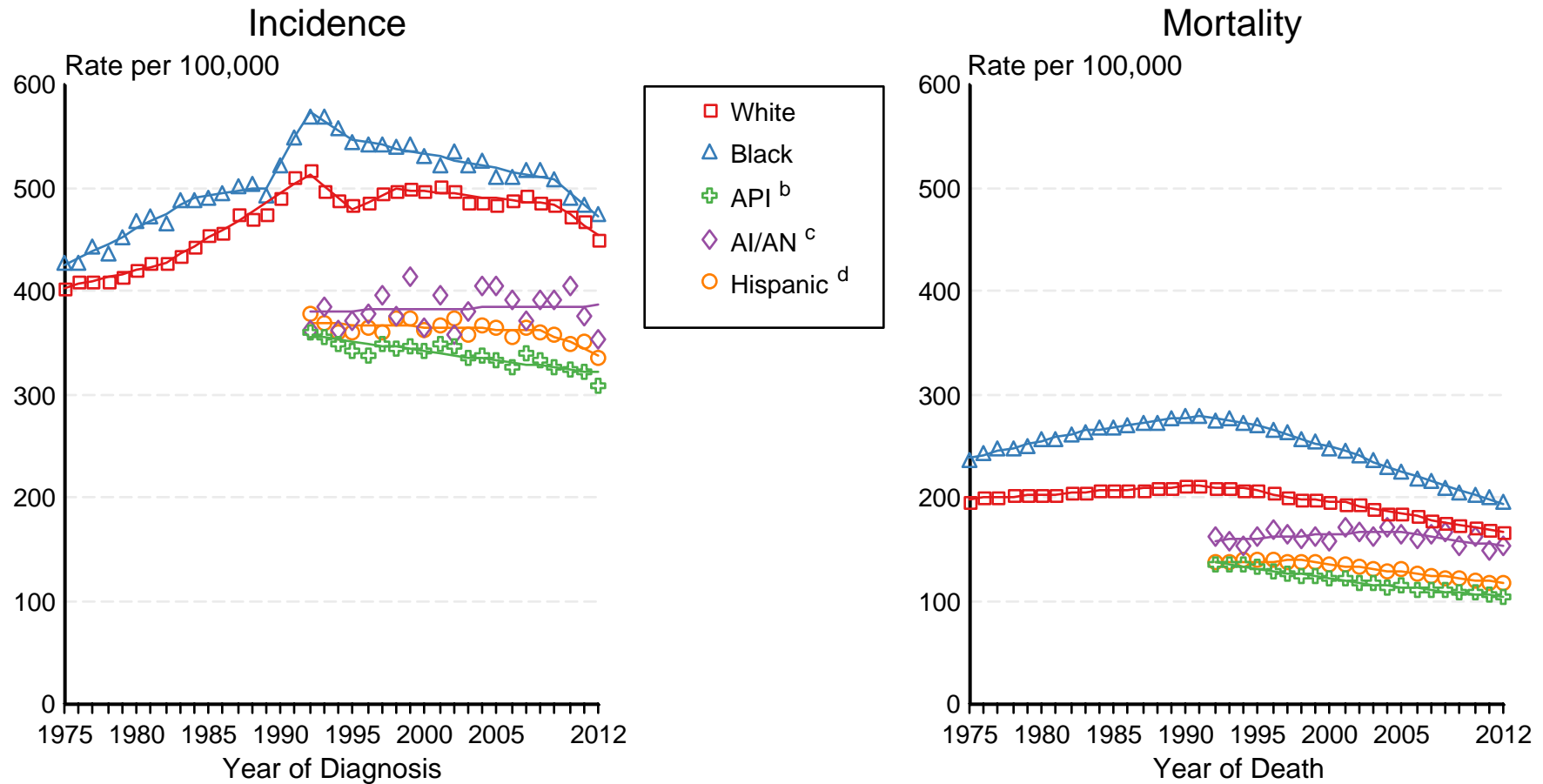
* The APC is significantly different from zero (p<.05).

Figure 2.4

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

Joinpoint Analyses for Whites and Blacks from 1975-2012

and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2012



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

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

Regression lines are calculated using the Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2012 period allow a maximum of 5 joinpoints. Analyses for other ethnic groups during the period 1992-2012 allow a maximum of 3 joinpoints.

^b API = Asian/Pacific Islander.

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

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

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 | SEER 18 Areas ^b | | | SEER 13 Areas ^b | | | SEER 9 Areas ^b | | |
|-----------------------------------|----------------------------|-------|---------|------------------------------|-------|---------|------------------------------|-------|---------|
| | Rate 2008-2012 | | | Trend 2003-2012 ^c | | | Trend 2003-2012 ^d | | |
| | Rate per 100,000 persons | | | AAPC (%) | | | AAPC (%) | | |
| RACE/ETHNICITY | Total | Males | Females | Total | Males | Females | Total | Males | Females |
| All Races | 6.4 | 7.7 | 5.4 | -0.3* | -0.3* | -0.2 | -0.2* | -0.4* | -0.1 |
| White | 7.1 | 8.4 | 5.9 | -0.1 | -0.2 | -0.1 | -0.1 | -0.2 | 0.0 |
| White Hispanic ^e | 5.2 | 6.1 | 4.5 | -2.0* | 0.0 | -1.1* | - | - | - |
| White Non-Hispanic ^e | 7.6 | 9.0 | 6.4 | 0.1 | -0.1 | 0.2 | - | - | - |
| Black | 4.1 | 4.9 | 3.6 | 0.1 | 0.0 | 0.2 | 0.3 | -0.1 | 0.6* |
| Asian/Pacific Islander | 3.6 | 4.3 | 3.1 | -0.2 | -0.1 | -0.3 | - | - | - |
| Amer Ind/Alaska Nat ^f | 3.2 | 3.7 | 2.7 | 1.9 | 0.3 | - | - | - | - |
| Hispanic ^e | 4.9 | 5.8 | 4.2 | -2.2* | -0.1 | -1.0* | - | - | - |
| <u>U.S. Mortality^g</u> | | | | | | | | | |
| | Rate 2008-2012 | | | Trend 2003-2012 ^h | | | | | |
| | Rate per 100,000 persons | | | AAPC (%) | | | | | |
| RACE/ETHNICITY | Total | Males | Females | Total | Males | Females | | | |
| All Races | 4.3 | 5.3 | 3.5 | -0.1 | 0.0 | -0.3 | | | |
| White | 4.7 | 5.7 | 3.8 | 0.0 | 0.1 | -0.2 | | | |
| White Hispanic ^e | 3.0 | 3.6 | 2.6 | 0.2 | 0.1 | 0.1 | | | |
| White Non-Hispanic ^e | 4.9 | 6.0 | 3.9 | 0.1 | 0.2 | -0.1 | | | |
| Black | 2.5 | 3.1 | 2.1 | -0.7* | -0.6* | -0.8* | | | |
| Asian/Pacific Islander | 2.0 | 2.4 | 1.6 | 0.1 | 0.5 | -0.5 | | | |
| Amer Ind/Alaska Nat | | | | | | | | | |
| Total U.S. | 2.0 | 2.4 | 1.7 | 0.1 | 0.0 | 0.2 | | | |
| CHSDA Counties | 2.5 | 3.2 | 1.9 | 1.2 | 1.8* | 0.6 | | | |
| Non-CHSDA Counties | 1.5 | 1.5 | 1.4 | -1.5 | -2.8 | -0.3 | | | |
| Hispanic ^e | 2.8 | 3.4 | 2.4 | 0.0 | 0.0 | 0.0 | | | |

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute.

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

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

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

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

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

The SEER 18 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, and Georgia excluding ATL/RG.

c The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over diagnosis years 1992-2012.

d The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2012.

e Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The 2003-2012 Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.

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

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

h The 2003-2012 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2012.

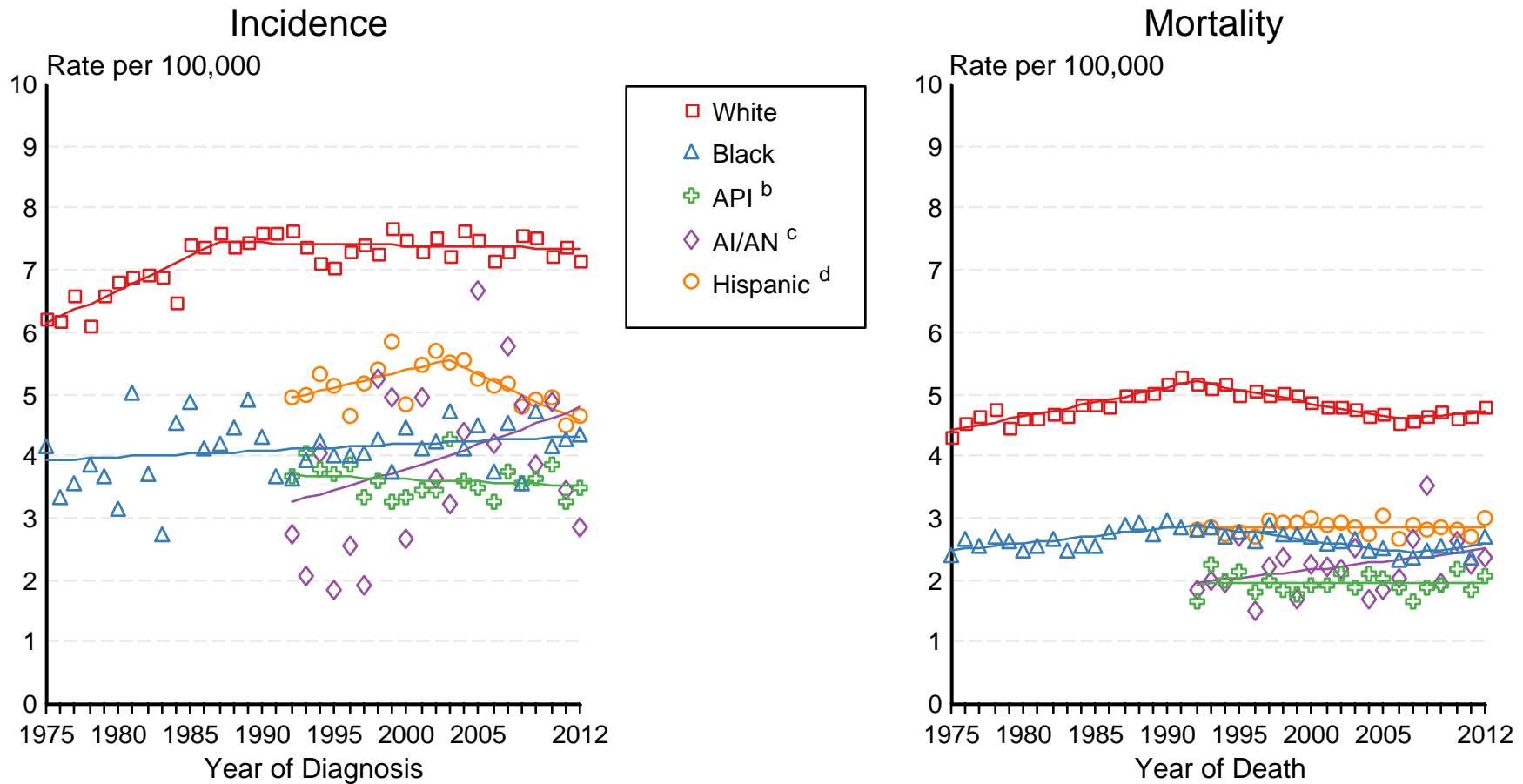
* The APC is significantly different from zero (p<.05).

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 1975-2012

and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2012



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

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

Regression lines are calculated using the Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2012 period allow a maximum of 5 joinpoints. Analyses for other ethnic groups during the period 1992-2012 allow a maximum of 3 joinpoints.

^b API = Asian/Pacific Islander.

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

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

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 18 Areas ^b | SEER 13 Areas ^b | SEER 9 Areas ^b |
|-----------------------------------|----------------------------|------------------------------|------------------------------|
| | Rate 2008-2012 | Trend 2003-2012 ^c | Trend 2003-2012 ^d |
| | Rate per 100,000 persons | AAPC (%) | AAPC (%) |
| RACE/ETHNICITY | Females | Females | Females |
| All Races | 124.8 | -0.1 | 0.0 |
| White | 127.9 | -0.2 | -0.2 |
| White Hispanic ^e | 95.7 | 0.2 | - |
| White Non-Hispanic ^e | 134.0 | -0.2 | - |
| Black | 124.4 | 0.2* | 0.4* |
| Asian/Pacific Islander | 96.3 | 0.8 | - |
| Amer Ind/Alaska Nat ^f | 82.0 | 0.1 | - |
| Hispanic ^e | 92.1 | 0.1 | - |
| <u>U.S. Mortality^g</u> | | | |
| | Rate 2008-2012 | Trend 2003-2012 ^h | |
| | Rate per 100,000 persons | AAPC (%) | |
| RACE/ETHNICITY | Females | Females | |
| All Races | 21.9 | -1.9* | |
| White | 21.3 | -1.9* | |
| White Hispanic ^e | 15.4 | -1.4* | |
| White Non-Hispanic ^e | 21.9 | -1.8* | |
| Black | 30.2 | -1.5* | |
| Asian/Pacific Islander | 11.4 | -1.0* | |
| Amer Ind/Alaska Nat | | | |
| Total U.S. | 11.6 | -1.6* | |
| CHSDA Counties | 15.0 | -0.6 | |
| Non-CHSDA Counties | 7.7 | -3.3* | |
| Hispanic ^e | 14.5 | -1.5* | |

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute.

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

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

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

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

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

The SEER 18 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, and Georgia excluding ATL/RG.

^c The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over diagnosis years 1992-2012.

^d The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2012.

^e Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The 2003-2012 Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.

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

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

^h The 2003-2012 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2012.

* 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 RACE/ETHNICITY | SEER 18 Areas ^b Rate 2008-2012 Rate per 100,000 persons | SEER 13 Areas ^b Trend 2003-2012 ^c AAPC (%) | SEER 9 Areas ^b Trend 2003-2012 ^d AAPC (%) |
|----------------------------------|--|--|---|
| | Females | Females | Females |
| All Races | 31.7 | 0.5 | 0.7* |
| White | 31.9 | 0.2 | 0.5 |
| White Hispanic ^e | 21.4 | 1.6* | - |
| White Non-Hispanic ^e | 34.2 | 0.3 | - |
| Black | 30.6 | 1.6* | 1.5* |
| Asian/Pacific Islander | 30.5 | 1.7* | - |
| Amer Ind/Alaska Nat ^f | 15.6 | 1.4 | - |
| Hispanic ^e | 20.8 | 1.5* | - |

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute.

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

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

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

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

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

The SEER 18 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, and Georgia excluding ATL/RG.

^c The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over diagnosis years 1992-2012.

^d The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2012.

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

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

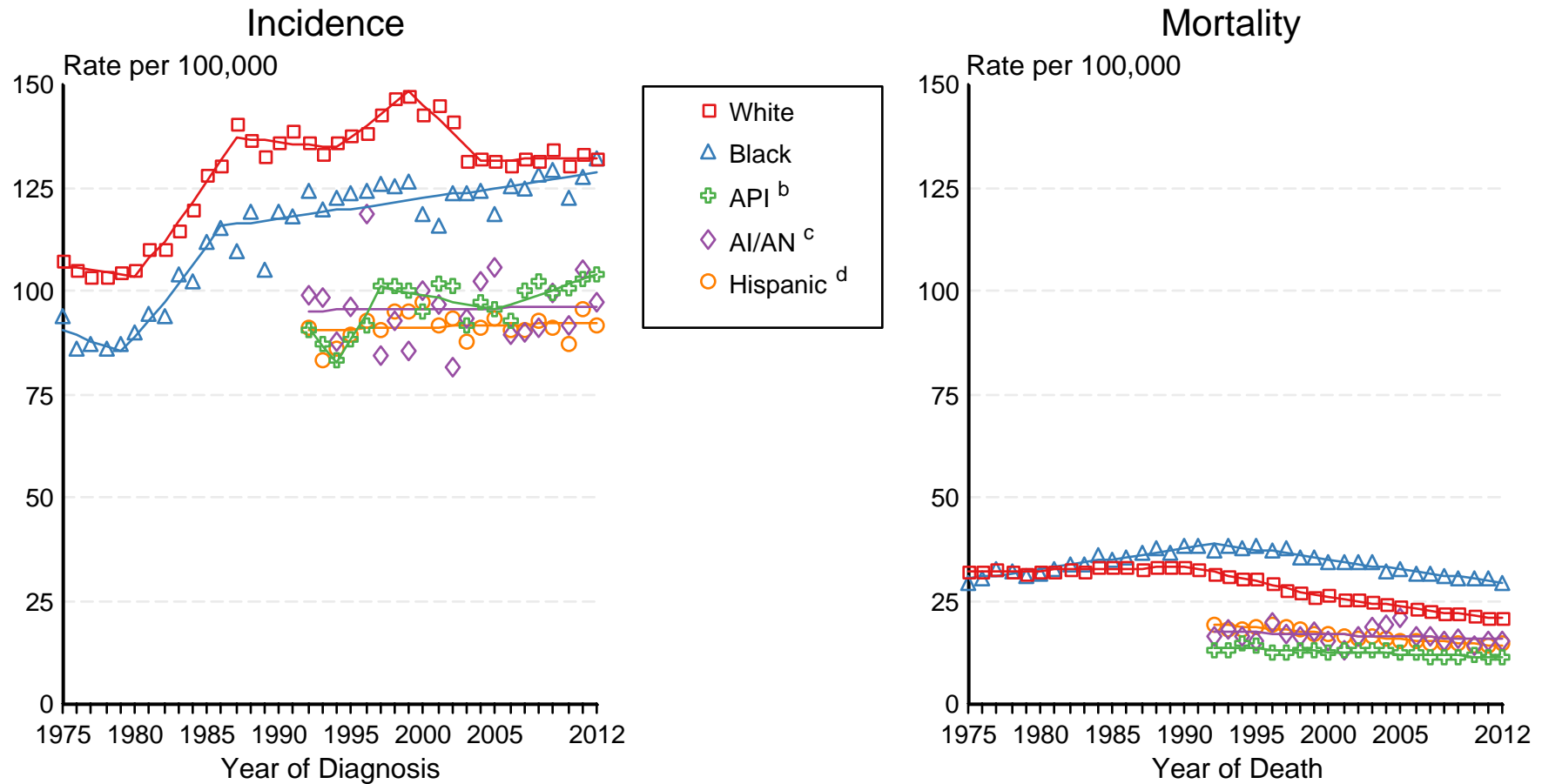
* The APC is significantly different from zero ($p < .05$).

Figure 4.4

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

Joinpoint Analyses for Whites and Blacks from 1975-2012

and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2012



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

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

Regression lines are calculated using the Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2012 period allow a maximum of 5 joinpoints. Analyses for other ethnic groups during the period 1992-2012 allow a maximum of 3 joinpoints.

^b API = Asian/Pacific Islander.

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

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

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 18 Areas ^b | SEER 13 Areas ^b | SEER 9 Areas ^b |
|-----------------------------------|----------------------------|------------------------------|------------------------------|
| | Rate 2008-2012 | Trend 2003-2012 ^c | Trend 2003-2012 ^d |
| | Rate per 100,000 persons | AAPC (%) | AAPC (%) |
| RACE/ETHNICITY | Females | Females | Females |
| All Races | 7.7 | -2.4* | -1.0* |
| White | 7.7 | -2.0* | -0.7 |
| White Hispanic ^e | 10.4 | -3.9* | - |
| White Non-Hispanic ^e | 7.1 | -1.8* | - |
| Black | 9.2 | -3.6* | -3.7* |
| Asian/Pacific Islander | 6.3 | -4.2* | - |
| Amer Ind/Alaska Nat ^f | 7.5 | -1.3 | - |
| Hispanic ^e | 9.9 | -4.0* | - |
| <u>U.S. Mortality^g</u> | | | |
| | Rate 2008-2012 | Trend 2003-2012 ^h | |
| | Rate per 100,000 persons | AAPC (%) | |
| RACE/ETHNICITY | Females | Females | |
| All Races | 2.3 | -0.9* | |
| White | 2.1 | -0.6* | |
| White Hispanic ^e | 2.9 | -2.7* | |
| White Non-Hispanic ^e | 2.0 | -0.5 | |
| Black | 4.0 | -2.5* | |
| Asian/Pacific Islander | 1.8 | -3.7* | |
| Amer Ind/Alaska Nat | | | |
| Total U.S. | 2.4 | -3.1* | |
| CHSDA Counties | 3.5 | -2.1* | |
| Non-CHSDA Counties | 1.1 | -4.0* | |
| Hispanic ^e | 2.7 | -2.7* | |

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute.

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

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

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

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

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

The SEER 18 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, and Georgia excluding ATL/RG.

^c The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over diagnosis years 1992-2012.

^d The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2012.

^e Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The 2003-2012 Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.

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

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

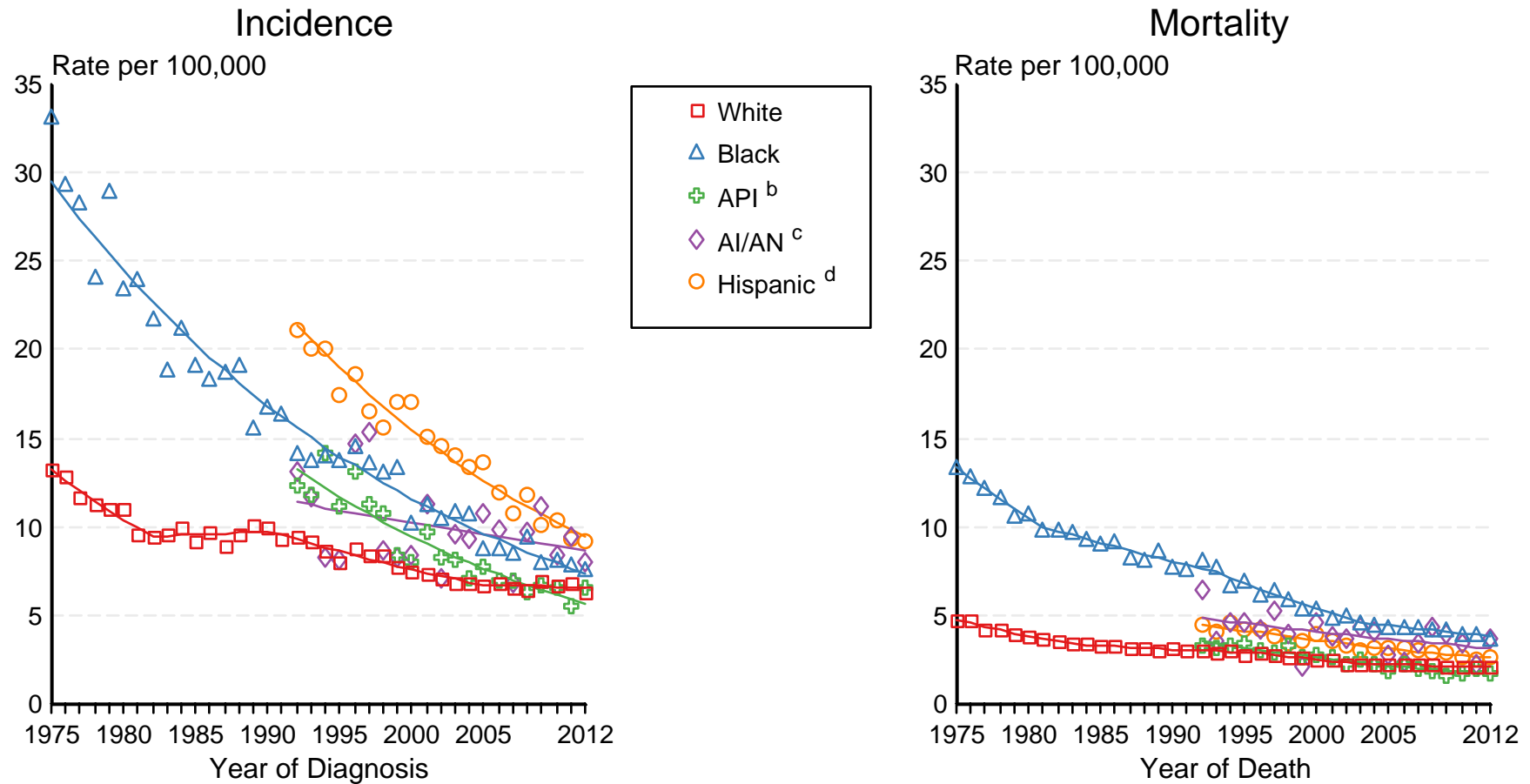
^h The 2003-2012 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2012.

* 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 1975-2012
and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2012



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

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

Regression lines are calculated using the Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2012 period allow a maximum of 5 joinpoints. Analyses for other ethnic groups during the period 1992-2012 allow a maximum of 3 joinpoints.

^b API = Asian/Pacific Islander.

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

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

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 18 Areas ^b | | | SEER 13 Areas ^b | | | SEER 9 Areas ^b | | |
|-----------------------------------|----------------------------|-------|---------|------------------------------|-------|---------|------------------------------|-------|---------|
| | Rate 2008-2012 | | | Trend 2003-2012 ^c | | | Trend 2003-2012 ^d | | |
| | Rate per 100,000 persons | | | AAPC (%) | | | AAPC (%) | | |
| RACE/ETHNICITY | Total | Males | Females | Total | Males | Females | Total | Males | Females |
| All Races | 42.4 | 48.9 | 37.1 | -3.0* | -3.2* | -2.9* | -3.1* | -3.4* | -3.0* |
| White | 41.5 | 47.8 | 36.3 | -3.2* | -3.5* | -3.0* | -3.3* | -3.6* | -3.0* |
| White Hispanic ^e | 37.0 | 44.9 | 30.8 | -1.8* | -1.9* | -1.8* | - | - | - |
| White Non-Hispanic ^e | 42.4 | 48.4 | 37.2 | -3.3* | -3.6* | -3.1* | - | - | - |
| Black | 52.3 | 61.2 | 46.0 | -3.1* | -3.2* | -3.5* | -3.3* | -3.4* | -3.5* |
| Asian/Pacific Islander | 36.1 | 42.2 | 31.3 | -2.5* | -2.5* | -2.9* | - | - | - |
| Amer Ind/Alaska Nat ^f | 40.3 | 46.3 | 35.7 | -0.4 | -0.1 | -0.6 | - | - | - |
| Hispanic ^e | 35.8 | 43.3 | 30.0 | -1.9* | -2.0* | -1.9* | - | - | - |
| <u>U.S. Mortality^g</u> | | | | | | | | | |
| | Rate 2008-2012 | | | Trend 2003-2012 ^h | | | | | |
| | Rate per 100,000 persons | | | AAPC (%) | | | | | |
| RACE/ETHNICITY | Total | Males | Females | Total | Males | Females | | | |
| All Races | 15.5 | 18.6 | 13.1 | -2.8* | -2.9* | -2.9* | | | |
| White | 15.0 | 18.0 | 12.7 | -2.8* | -2.9* | -2.9* | | | |
| White Hispanic ^e | 12.9 | 16.5 | 10.1 | -1.5* | -1.3* | -2.0* | | | |
| White Non-Hispanic ^e | 15.2 | 18.2 | 12.9 | -2.8* | -3.0* | -2.9* | | | |
| Black | 21.4 | 26.9 | 17.8 | -2.9* | -2.7* | -3.3* | | | |
| Asian/Pacific Islander | 11.0 | 13.0 | 9.4 | -1.7* | -1.8* | -1.5* | | | |
| Amer Ind/Alaska Nat | | | | | | | | | |
| Total U.S. | 12.5 | 14.0 | 11.2 | -1.5* | -2.3* | -0.8 | | | |
| CHSDA Counties | 17.1 | 18.8 | 15.6 | -0.8 | -1.4* | 0.0 | | | |
| Non-CHSDA Counties | 7.2 | 8.7 | 6.2 | -1.9* | -3.0* | -1.5* | | | |
| Hispanic ^e | 12.2 | 15.6 | 9.6 | -1.8* | -1.5* | -2.2* | | | |

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute.

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

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

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

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

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

The SEER 18 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, and Georgia excluding ATL/RG.

c The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over diagnosis years 1992-2012.

d The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2012.

e Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The 2003-2012 Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.

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

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

h The 2003-2012 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2012.

* 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 | SEER 18 Areas ^b Rate 2008-2012 | | | SEER 13 Areas ^b Trend 2003-2012 ^c AAPC (%) | | | SEER 9 Areas ^b Trend 2003-2012 ^d AAPC (%) | | |
|--|--|-------|---------|--|-------|---------|---|-------|---------|
| | Rate per 100,000 persons | | | Total | | | Total | | |
| | Total | Males | Females | Total | Males | Females | Total | Males | Females |
| RACE/ETHNICITY | | | | | | | | | |
| All Races | 30.1 | 33.5 | 27.4 | -3.3* | -3.5* | -3.3* | -3.3* | -3.6* | -3.2* |
| White | 29.5 | 32.9 | 26.8 | -3.5* | -3.7* | -3.3* | -3.5* | -3.9* | -3.1* |
| White Hispanic ^e | 25.5 | 29.7 | 22.3 | -2.1* | -2.1* | -2.1* | - | - | - |
| White Non-Hispanic ^e | 30.2 | 33.4 | 27.5 | -3.5* | -3.8* | -3.0* | - | - | - |
| Black | 39.1 | 44.6 | 35.3 | -3.5* | -3.5* | -3.6* | -3.8* | -3.8* | -4.0* |
| Asian/Pacific Islander | 23.9 | 26.6 | 21.8 | -2.9* | -3.1* | -3.0* | - | - | - |
| Amer Ind/Alaska Nat ^f | 28.4 | 31.3 | 26.6 | -0.7 | -0.8 | -0.5 | - | - | - |
| Hispanic ^e | 24.7 | 28.7 | 21.6 | -2.2* | -2.2* | -2.2* | - | - | - |
| | | | | | | | | | |
| Cancer of the Rectum SEER Incidence | SEER 18 Areas ^b Rate 2008-2012 | | | SEER 13 Areas ^b Trend 2003-2012 ^c AAPC (%) | | | SEER 9 Areas ^b Trend 2003-2012 ^d AAPC (%) | | |
| | Rate per 100,000 persons | | | Total | | | Total | | |
| | Total | Males | Females | Total | Males | Females | Total | Males | Females |
| RACE/ETHNICITY | | | | | | | | | |
| All Races | 12.3 | 15.3 | 9.7 | -2.2* | -2.4* | -2.0* | -2.3* | -2.6* | -2.1* |
| White | 12.0 | 15.0 | 9.5 | -2.5* | -2.8* | -2.0* | -2.7* | -3.2* | -2.4* |
| White Hispanic ^e | 11.5 | 15.2 | 8.6 | -0.7* | -0.9* | -0.7* | - | - | - |
| White Non-Hispanic ^e | 12.2 | 15.0 | 9.7 | -2.7* | -3.0* | -2.5* | - | - | - |
| Black | 13.2 | 16.6 | 10.7 | -2.5* | -1.0* | -0.5 | -2.2 | -2.2 | -0.3* |
| Asian/Pacific Islander | 12.2 | 15.6 | 9.5 | -1.2* | -1.3* | -0.9* | - | - | - |
| Amer Ind/Alaska Nat ^f | 11.9 | 15.0 | 9.1 | 0.3 | 1.1 | -0.8 | - | - | - |
| Hispanic ^e | 11.2 | 14.6 | 8.3 | -0.8* | -0.9* | -0.7* | - | - | - |

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute.

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

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

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

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

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

The SEER 18 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, and Georgia excluding ATL/RG.

c The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over diagnosis years 1992-2012.

d The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2012.

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

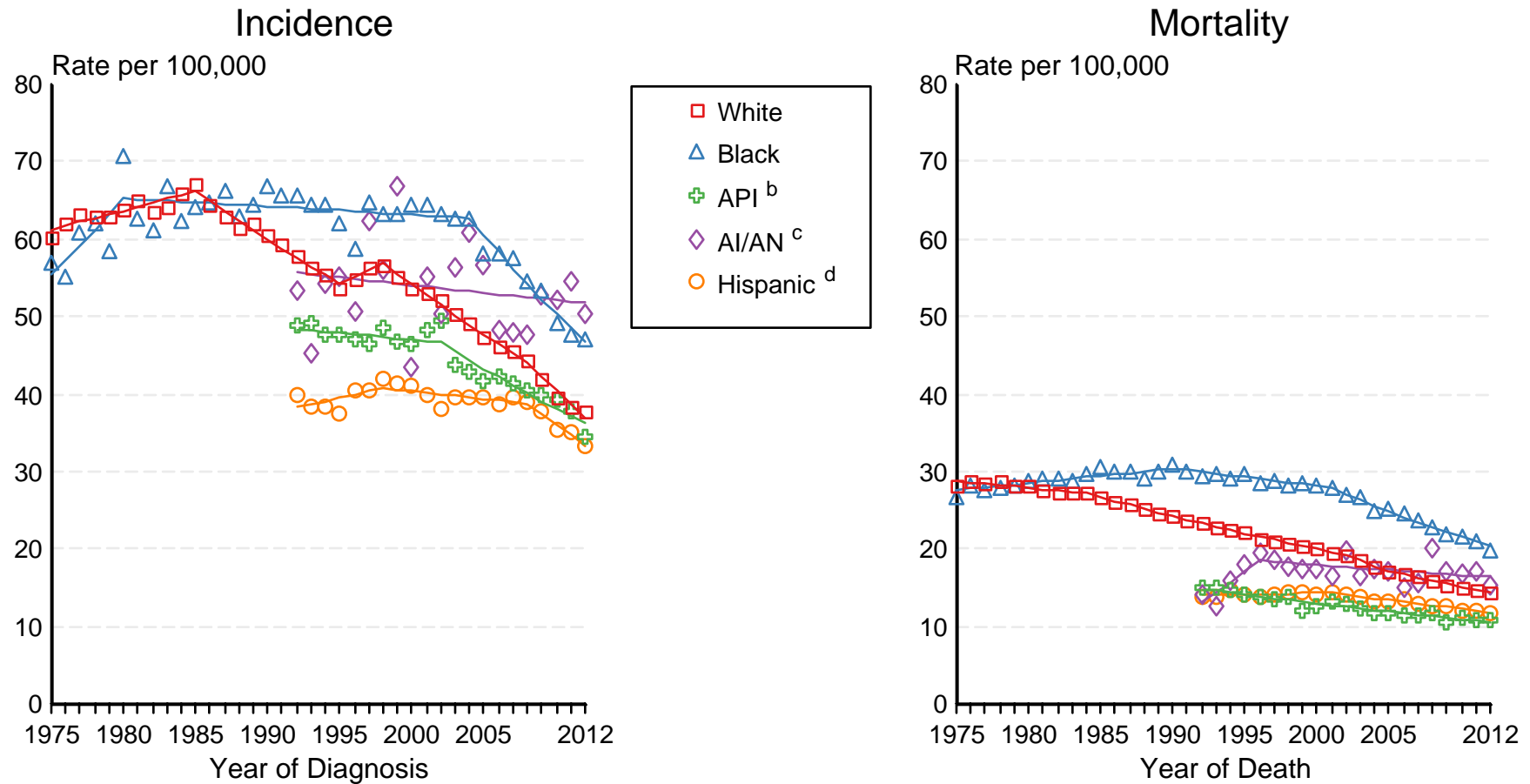
f Incidence data for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

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

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 1975-2012
and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2012



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

- ^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines are calculated using the Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2012 period allow a maximum of 5 joinpoints. Analyses for other ethnic groups during the period 1992-2012 allow a maximum of 3 joinpoints.
- ^b API = Asian/Pacific Islander.
- ^c AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- ^d Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from New Hampshire and Oklahoma.

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 18 Areas ^b | SEER 13 Areas ^b | SEER 9 Areas ^b |
|-----------------------------------|----------------------------|------------------------------|------------------------------|
| | Rate 2008-2012 | Trend 2003-2012 ^c | Trend 2003-2012 ^d |
| | Rate per 100,000 persons | AAPC (%) | AAPC (%) |
| RACE/ETHNICITY | Females | Females | Females |
| All Races | 25.1 | 1.5* | 1.1 |
| White | 25.8 | 1.3* | 1.1* |
| White Hispanic ^e | 21.5 | 3.0* | - |
| White Non-Hispanic ^e | 26.4 | 1.0* | - |
| Black | 24.0 | 2.3* | 2.8* |
| Asian/Pacific Islander | 19.9 | 1.8* | - |
| Amer Ind/Alaska Nat ^f | 19.8 | 2.5* | - |
| Hispanic ^e | 20.7 | 2.9* | - |
| <u>U.S. Mortality^g</u> | | | |
| | Rate 2008-2012 | Trend 2003-2012 ^h | |
| | Rate per 100,000 persons | AAPC (%) | |
| RACE/ETHNICITY | Females | Females | |
| All Races | 4.4 | 1.1* | |
| White | 4.1 | 0.8* | |
| White Hispanic ^e | 3.7 | 2.0* | |
| White Non-Hispanic ^e | 4.1 | 0.8* | |
| Black | 7.7 | 1.5* | |
| Asian/Pacific Islander | 2.8 | 2.0* | |
| Amer Ind/Alaska Nat | | | |
| Total U.S. | 2.6 | 0.3 | |
| CHSDA Counties | 3.5 | 1.1 | |
| Non-CHSDA Counties | 1.5 | -1.1 | |
| Hispanic ^e | 3.5 | 0.7* | |

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute.

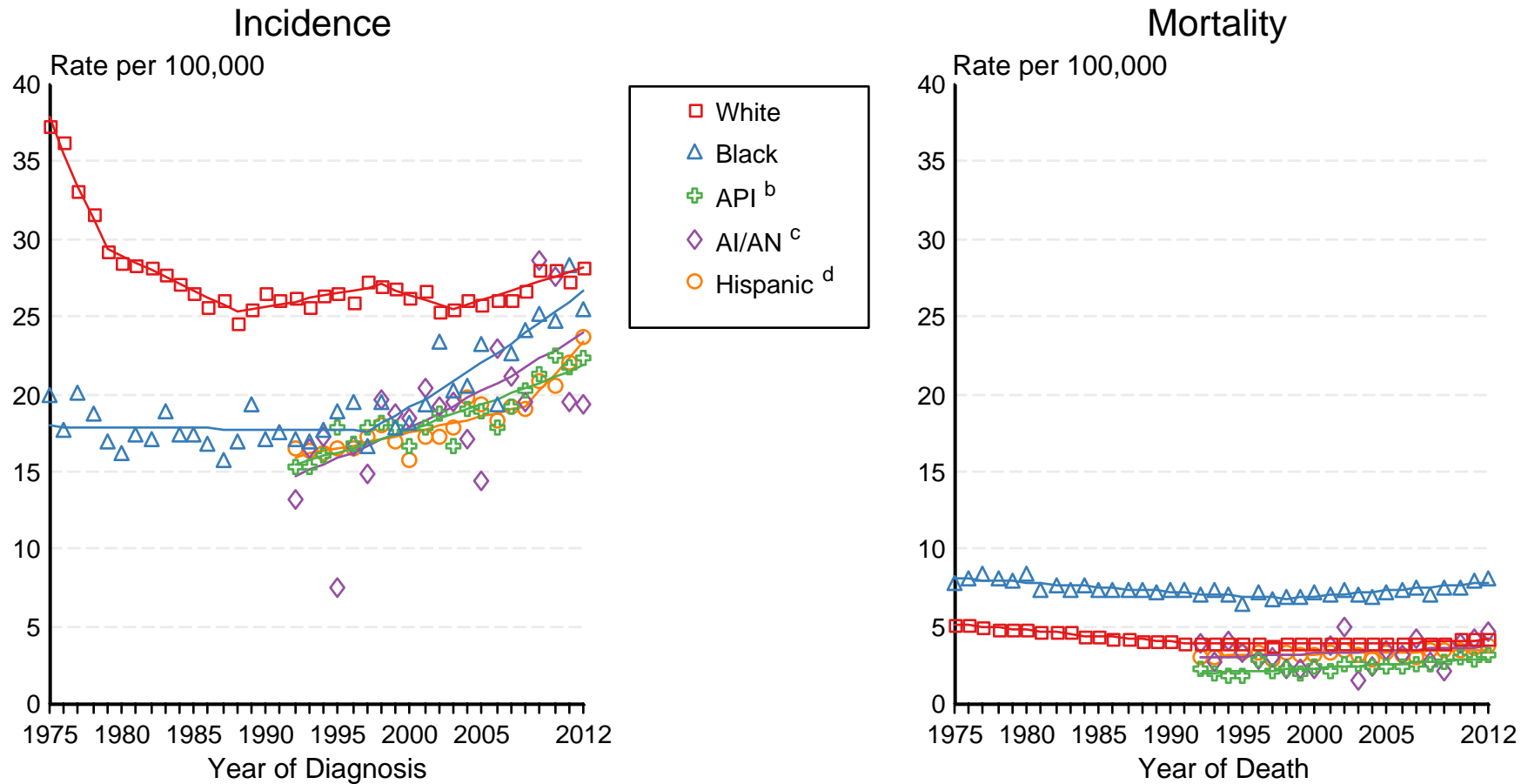
- Statistic not shown. Rate based on less than 16 cases for the time interval.
- Trend based on less than 10 cases for at least one year within the time interval.
- ^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).
- ^b The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta.
- The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry, and Rural Georgia.
- The SEER 18 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, and Georgia excluding ATL/RG.
- ^c The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over diagnosis years 1992-2012.
- ^d The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2012.
- ^e Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The 2003-2012 Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.
- ^f Incidence data for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.
- ^g US Mortality Files, National Center for Health Statistics, CDC.
- ^h The 2003-2012 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2012.
- * The APC is significantly different from zero (p<.05).

Figure 7.3

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

Joinpoint Analyses for Whites and Blacks from 1975-2012

and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2012



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

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

Regression lines are calculated using the Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2012 period allow a maximum of 5 joinpoints. Analyses for other ethnic groups during the period 1992-2012 allow a maximum of 3 joinpoints.

^b API = Asian/Pacific Islander.

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

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

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 | SEER 18 Areas ^b | | | SEER 13 Areas ^b | | | SEER 9 Areas ^b | | |
|-----------------------------------|----------------------------|-------|---------|------------------------------|-------|---------|------------------------------|-------|---------|
| | Rate 2008-2012 | | | Trend 2003-2012 ^c | | | Trend 2003-2012 ^d | | |
| | Rate per 100,000 persons | | | AAPC (%) | | | AAPC (%) | | |
| RACE/ETHNICITY | Total | Males | Females | Total | Males | Females | Total | Males | Females |
| All Races | 4.4 | 7.6 | 1.7 | -0.4* | -0.2 | -1.2* | -1.2* | -1.1* | -0.5* |
| White | 4.6 | 8.0 | 1.7 | 0.5* | -0.2 | -0.6* | -0.3 | -0.3 | -0.1 |
| White Hispanic ^e | 3.0 | 5.4 | 1.0 | -1.0* | -1.1* | -1.0 | - | - | - |
| White Non-Hispanic ^e | 4.8 | 8.4 | 1.8 | -0.5 | -0.3 | -0.4 | - | - | - |
| Black | 4.6 | 7.6 | 2.5 | -4.7* | -4.9* | -4.2* | -4.6* | -4.9* | -3.2* |
| Asian/Pacific Islander | 2.2 | 3.6 | 1.0 | -1.8* | -2.1* | -0.4 | - | - | - |
| Amer Ind/Alaska Nat ^f | 3.1 | 4.9 | 1.6 | -1.8 | -3.2 | - | - | - | - |
| Hispanic ^e | 2.9 | 5.2 | 1.0 | -1.0* | -1.1* | -1.1 | - | - | - |
| <u>U.S. Mortality^g</u> | | | | | | | | | |
| RACE/ETHNICITY | Rate 2008-2012 | | | Trend 2003-2012 ^h | | | | | |
| | Rate per 100,000 persons | | | AAPC (%) | | | | | |
| | Total | Males | Females | Total | Males | Females | | | |
| All Races | 4.2 | 7.5 | 1.5 | -0.8* | -0.7* | -1.6* | | | |
| White | 4.3 | 7.7 | 1.5 | -0.2 | -0.2 | -1.1* | | | |
| White Hispanic ^e | 2.4 | 4.5 | 0.8 | -0.7* | -0.7* | -2.4* | | | |
| White Non-Hispanic ^e | 4.5 | 8.0 | 1.6 | 0.0 | -0.1 | -0.9* | | | |
| Black | 4.0 | 7.0 | 2.0 | -4.4* | -4.6* | -4.1* | | | |
| Asian/Pacific Islander | 1.7 | 2.8 | 0.8 | -1.9* | -2.1* | -1.3* | | | |
| Amer Ind/Alaska Nat | | | | | | | | | |
| Total U.S. | 2.5 | 4.2 | 1.1 | -3.7* | -4.9* | 0.8 | | | |
| CHSDA Counties | 3.4 | 5.6 | 1.8 | -2.4 | -4.2 | 3.5* | | | |
| Non-CHSDA Counties | 1.4 | 2.5 | - | -2.7* | -2.1 | -4.6 | | | |
| Hispanic ^e | 2.3 | 4.3 | 0.8 | -0.8* | -0.8* | -2.5* | | | |

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute.

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

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

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

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

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

The SEER 18 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, and Georgia excluding ATL/RG.

c The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over diagnosis years 1992-2012.

d The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2012.

e Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The 2003-2012 Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.

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

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

h The 2003-2012 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2012.

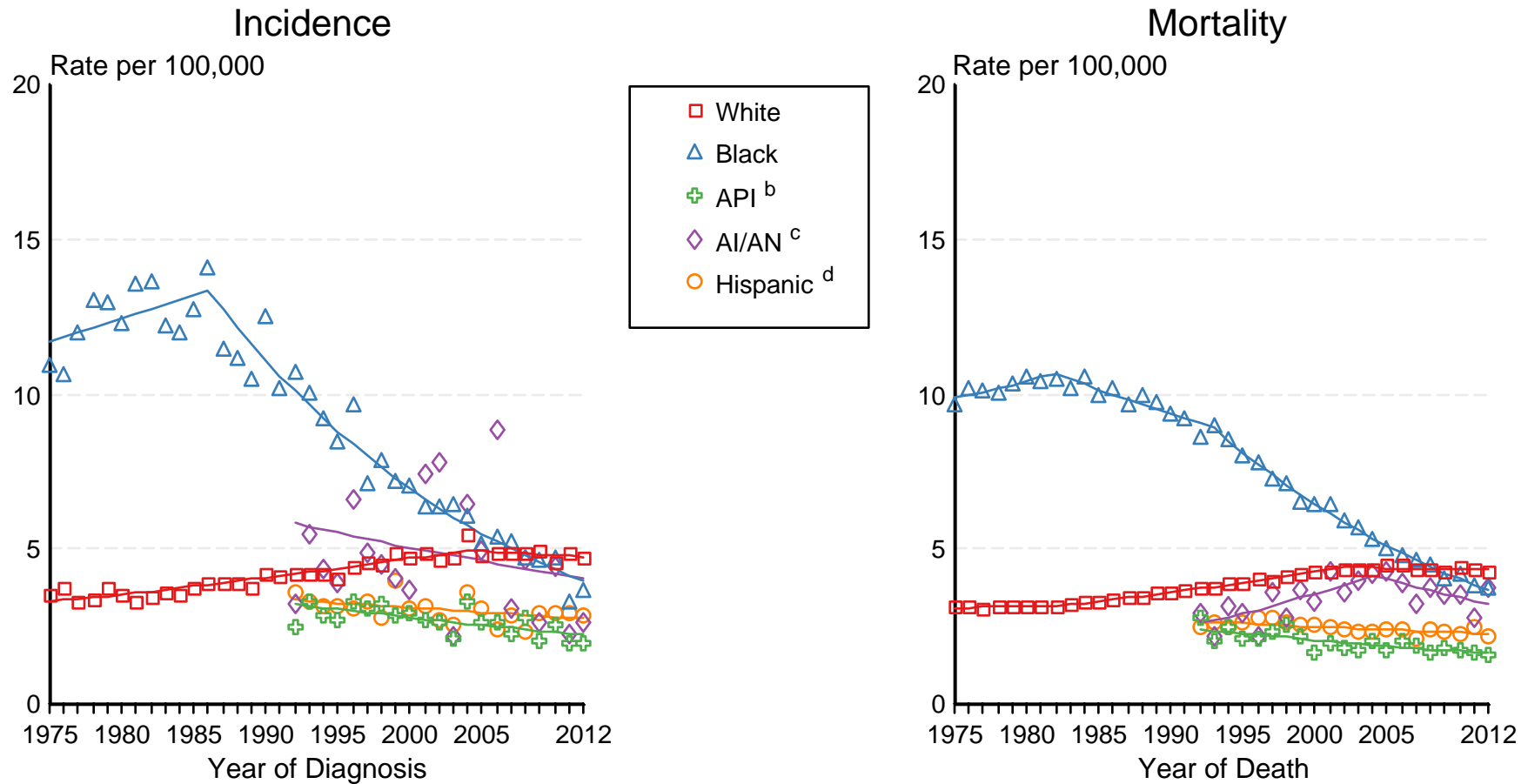
* The APC is significantly different from zero (p<.05).

Figure 8.2

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

Joinpoint Analyses for Whites and Blacks from 1975-2012

and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2012



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

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

Regression lines are calculated using the Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2012 period allow a maximum of 5 joinpoints. Analyses for other ethnic groups during the period 1992-2012 allow a maximum of 3 joinpoints.

^b API = Asian/Pacific Islander.

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

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

Table 9.15
Hodgkin Lymphoma

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

| SEER Incidence | SEER 18 Areas ^b | | | SEER 13 Areas ^b | | | SEER 9 Areas ^b | | |
|----------------------------------|----------------------------|-------|---------|------------------------------|-------|---------|------------------------------|-------|---------|
| | Rate 2008-2012 | | | Trend 2003-2012 ^c | | | Trend 2003-2012 ^d | | |
| | Rate per 100,000 persons | | | AAPC (%) | | | AAPC (%) | | |
| | Total | Males | Females | Total | Males | Females | Total | Males | Females |
| RACE/ETHNICITY | | | | | | | | | |
| All Races | 2.7 | 3.0 | 2.4 | -0.6 | -0.9 | 0.0 | -0.7 | -0.3 | 0.3* |
| White | 2.9 | 3.2 | 2.6 | -0.9 | 0.0 | -0.1 | -0.8 | 0.1 | 0.2 |
| White Hispanic ^e | 2.4 | 2.7 | 2.1 | 0.1 | -0.5 | 0.7 | - | - | - |
| White Non-Hispanic ^e | 3.1 | 3.5 | 2.8 | -1.0 | 0.3 | -0.1 | - | - | - |
| Black | 2.7 | 3.0 | 2.4 | 0.9* | 1.0* | 0.6 | 1.1* | 0.5 | 1.9* |
| Asian/Pacific Islander | 1.3 | 1.5 | 1.2 | -0.1 | 1.4 | 2.6* | - | - | - |
| Amer Ind/Alaska Nat ^f | 1.1 | 1.1 | 1.0 | - | - | - | - | - | - |
| Hispanic ^e | 2.3 | 2.6 | 2.0 | 0.0 | -0.6 | 0.6 | - | - | - |
| U.S. Mortality ^g | | | | | | | | | |
| | Rate 2008-2012 | | | Trend 2003-2012 ^h | | | | | |
| | Rate per 100,000 persons | | | AAPC (%) | | | | | |
| | Total | Males | Females | Total | Males | Females | | | |
| RACE/ETHNICITY | | | | | | | | | |
| All Races | 0.4 | 0.5 | 0.3 | -2.7* | -2.3* | -2.8* | | | |
| White | 0.4 | 0.5 | 0.3 | -2.6* | -2.2* | -2.7* | | | |
| White Hispanic ^e | 0.4 | 0.6 | 0.3 | -2.3* | -2.4* | -2.2* | | | |
| White Non-Hispanic ^e | 0.4 | 0.5 | 0.3 | -2.6* | -2.6* | -2.7* | | | |
| Black | 0.3 | 0.4 | 0.3 | -2.8* | -3.2* | -2.5* | | | |
| Asian/Pacific Islander | 0.1 | 0.2 | 0.1 | -1.9 | -2.7 | - | | | |
| Amer Ind/Alaska Nat | | | | | | | | | |
| Total U.S. | 0.1 | - | - | -2.9 | - | - | | | |
| CHSDA Counties | - | - | - | -1.1 | - | - | | | |
| Non-CHSDA Counties | - | - | - | - | - | - | | | |
| Hispanic ^e | 0.4 | 0.5 | 0.3 | -2.5* | -2.5* | -2.4* | | | |

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute.

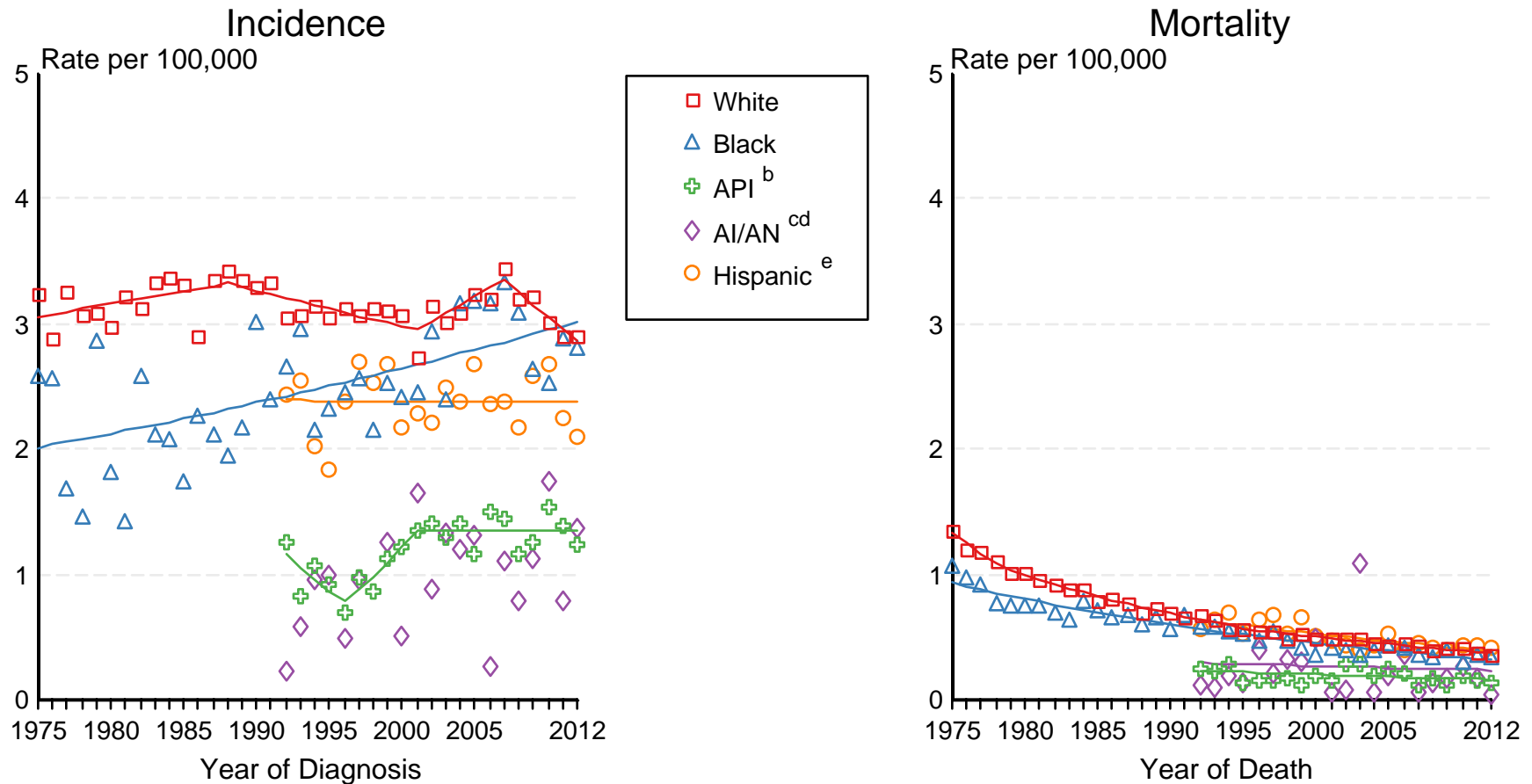
- Statistic not shown. Rate based on less than 16 cases for the time interval.
- Trend based on less than 10 cases for at least one year within the time interval.
- ^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).
- ^b The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta.
- The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska Native Registry, and Rural Georgia.
- The SEER 18 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, and Georgia excluding ATL/RG.
- ^c The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over diagnosis years 1992-2012.
- ^d The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2012.
- ^e Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The 2003-2012 Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.
- ^f Incidence data for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.
- ^g US Mortality Files, National Center for Health Statistics, CDC.
- ^h The 2003-2012 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2012.
- * 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 1975-2012

and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2012



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

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

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

Regression lines are calculated using the Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2012 period allow a maximum of 5 joinpoints. Analyses for other ethnic groups during the period 1992-2012 allow a maximum of 3 joinpoints.

^c API = Asian/Pacific Islander.

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

^e Joinpoint could not fit a regression line for American Indian/Alaska Native Incidence 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. Mortality data for Hispanics exclude cases from New Hampshire and Oklahoma.

Table 10.13
Kaposi Sarcoma

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

| SEER Incidence | SEER 18 Areas ^b | | | SEER 13 Areas ^b | | | SEER 9 Areas ^b | | |
|----------------------------------|----------------------------|-------|---------|------------------------------|-------|---------|------------------------------|-------|---------|
| | Rate 2008-2012 | | | Trend 2003-2012 ^c | | | Trend 2003-2012 ^d | | |
| | Rate per 100,000 persons | | | AAPC (%) | | | AAPC (%) | | |
| RACE/ETHNICITY | Total | Males | Females | Total | Males | Females | Total | Males | Females |
| All Races | 0.5 | 1.0 | 0.1 | -2.4* | -2.4* | -4.8* | -1.5* | -1.5* | -4.5* |
| White | 0.5 | 0.9 | 0.1 | -2.9* | -3.0* | -4.6* | -2.3* | -2.3* | -4.9* |
| White Hispanic ^e | 0.7 | 1.2 | 0.2 | -4.2 | -3.5* | - | - | - | - |
| White Non-Hispanic ^e | 0.4 | 0.8 | 0.1 | -3.0* | -3.1* | -5.4* | - | - | - |
| Black | 1.1 | 2.2 | 0.2 | -1.4 | -1.3 | -2.3 | 0.4 | 0.5 | - |
| Asian/Pacific Islander | 0.2 | 0.4 | - | -0.3 | 0.5 | - | - | - | - |
| Amer Ind/Alaska Nat ^f | - | - | - | - | - | - | - | - | - |
| Hispanic ^e | 0.7 | 1.2 | 0.2 | -3.3 | -3.8* | -3.3 | - | - | - |

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute.

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

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

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

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

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

The SEER 18 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, and Georgia excluding ATL/RG.

^c The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over diagnosis years 1992-2012.

^d The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2012.

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

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

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

Table 11.15
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 | SEER 18 Areas ^b | | | SEER 13 Areas ^b | | | SEER 9 Areas ^b | | |
|-----------------------------------|----------------------------|-------|---------|------------------------------|-------|---------|------------------------------|-------|---------|
| | Rate 2008-2012 | | | Trend 2003-2012 ^c | | | Trend 2003-2012 ^d | | |
| | Rate per 100,000 persons | | | AAPC (%) | | | AAPC (%) | | |
| RACE/ETHNICITY | Total | Males | Females | Total | Males | Females | Total | Males | Females |
| All Races | 15.6 | 21.3 | 10.8 | 1.4* | 1.5* | 1.2* | 1.4* | 1.6 | 1.2 |
| White | 16.1 | 21.9 | 11.1 | 1.4* | 1.3* | 1.3* | 1.4* | 1.3* | 1.2 |
| White Hispanic ^e | 16.1 | 21.2 | 12.1 | 1.2 | 0.4 | 2.8* | - | - | - |
| White Non-Hispanic ^e | 16.1 | 22.1 | 11.0 | 1.4* | 1.5* | 1.0* | - | - | - |
| Black | 18.1 | 25.1 | 12.8 | 1.1 | 2.5* | 2.3* | 2.8* | 2.9* | 2.7* |
| Asian/Pacific Islander | 8.2 | 11.6 | 5.5 | 2.1 | 2.4* | 1.1 | - | - | - |
| Amer Ind/Alaska Nat ^f | 18.8 | 24.8 | 13.9 | 1.5* | 1.5* | 1.5 | - | - | - |
| Hispanic ^e | 15.4 | 20.2 | 11.6 | 1.3 | 0.5 | 2.7* | - | - | - |
| <u>U.S. Mortality^g</u> | | | | | | | | | |
| RACE/ETHNICITY | Rate 2008-2012 | | | Trend 2003-2012 ^h | | | | | |
| | Rate per 100,000 persons | | | AAPC (%) | | | | | |
| | Total | Males | Females | Total | Males | Females | | | |
| All Races | 3.9 | 5.7 | 2.5 | -0.9* | -0.8* | -1.3* | | | |
| White | 4.0 | 5.9 | 2.6 | -0.5* | -0.7* | -1.3* | | | |
| White Hispanic ^e | 3.7 | 5.3 | 2.5 | 0.1 | 0.0 | 0.2 | | | |
| White Non-Hispanic ^e | 4.0 | 5.9 | 2.6 | -0.8* | -0.4* | -1.4* | | | |
| Black | 3.8 | 5.6 | 2.5 | -0.9* | -0.7* | -0.6* | | | |
| Asian/Pacific Islander | 1.9 | 2.9 | 1.2 | 0.1 | 0.4 | -0.1 | | | |
| Amer Ind/Alaska Nat | | | | | | | | | |
| Total U.S. | 4.4 | 5.8 | 3.2 | -0.8 | -5.1 | -1.1 | | | |
| CHSDA Counties | 6.6 | 8.7 | 4.7 | 0.1 | -0.3 | -0.1 | | | |
| Non-CHSDA Counties | 1.9 | 2.6 | 1.3 | -1.9 | -0.9 | -2.6 | | | |
| Hispanic ^e | 3.5 | 5.0 | 2.4 | 0.0 | -0.1 | 0.1 | | | |

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute.

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

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

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

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

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

The SEER 18 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, and Georgia excluding ATL/RG.

c The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over diagnosis years 1992-2012.

d The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2012.

e Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The 2003-2012 Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.

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

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

h The 2003-2012 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2012.

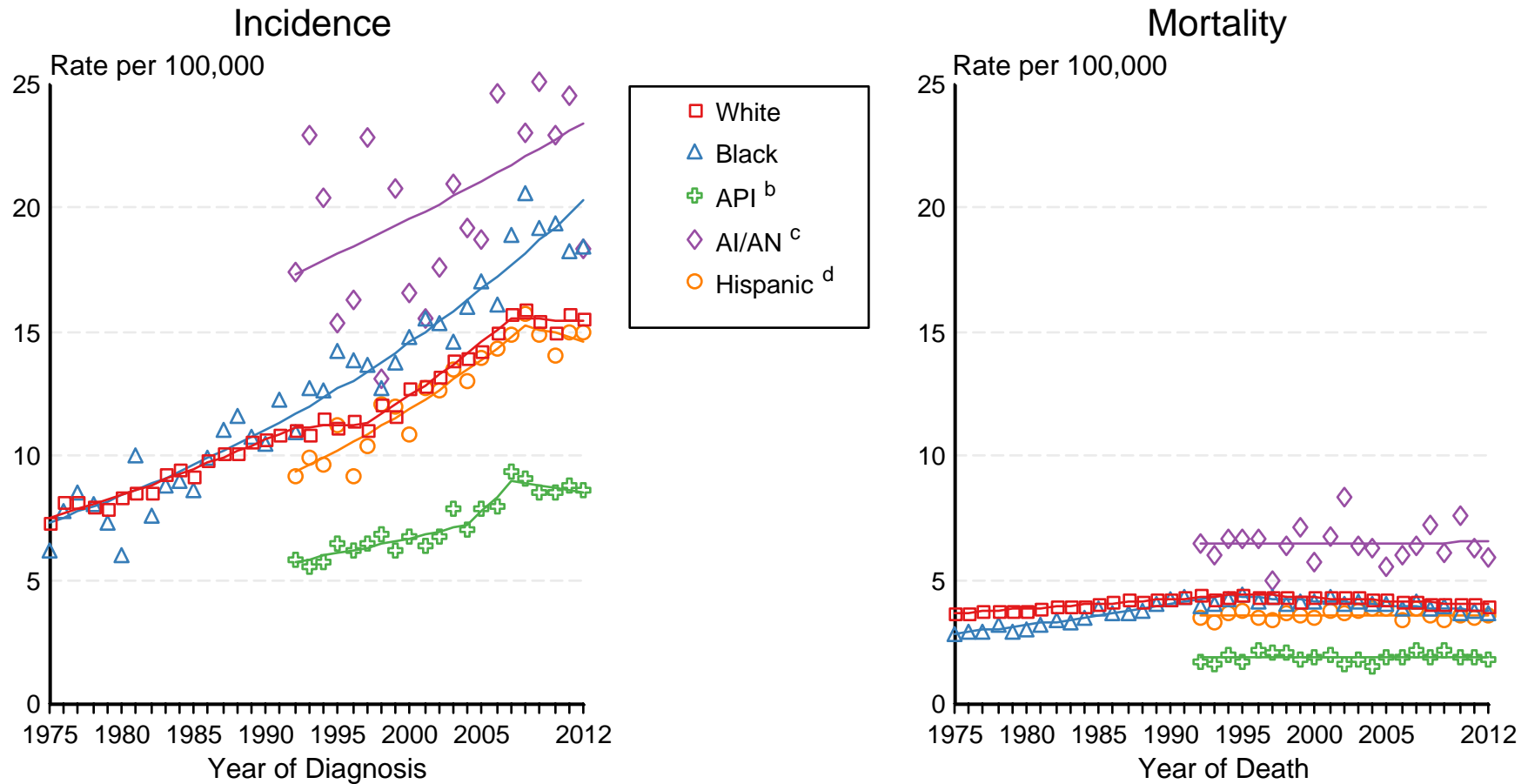
* The APC is significantly different from zero (p<.05).

Figure 11.2

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

Joinpoint Analyses for Whites and Blacks from 1975-2012

and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2012



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

- ^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines are calculated using the Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2012 period allow a maximum of 5 joinpoints. Analyses for other ethnic groups during the period 1992-2012 allow a maximum of 3 joinpoints.
- ^b API = Asian/Pacific Islander.
- ^c AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- ^d Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from New Hampshire and Oklahoma.

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 | SEER 18 Areas ^b | | | SEER 13 Areas ^b | | | SEER 9 Areas ^b | | |
|----------------------------------|----------------------------|-------|---------|------------------------------|-------|---------|------------------------------|-------|---------|
| | Rate 2008-2012 | | | Trend 2003-2012 ^c | | | Trend 2003-2012 ^d | | |
| | Rate per 100,000 persons | | | AAPC (%) | | | AAPC (%) | | |
| | Total | Males | Females | Total | Males | Females | Total | Males | Females |
| RACE/ETHNICITY | | | | | | | | | |
| All Races | 3.2 | 5.8 | 1.2 | -2.6* | -1.9* | -3.1* | -2.4* | -2.4* | -2.6* |
| White | 3.3 | 5.8 | 1.2 | -2.4* | -1.5* | -2.8* | -2.3* | -2.4* | -2.4* |
| White Hispanic ^e | 2.4 | 4.7 | 0.5 | -1.8* | -1.7* | -3.3* | - | - | - |
| White Non-Hispanic ^e | 3.5 | 6.0 | 1.4 | -2.3* | -1.6* | -2.6* | - | - | - |
| Black | 4.7 | 8.8 | 1.7 | -3.3* | -3.2* | -3.4* | -2.9* | -2.7* | -3.3* |
| Asian/Pacific Islander | 1.2 | 2.4 | 0.3 | -3.0* | -2.8* | -2.6 | - | - | - |
| Amer Ind/Alaska Nat ^f | 2.3 | 4.3 | - | 0.6 | 1.1 | - | - | - | - |
| Hispanic ^e | 2.3 | 4.5 | 0.5 | -1.8* | -1.7* | -3.0* | - | - | - |
| U.S. Mortality ^g | | | | | | | | | |
| | Rate 2008-2012 | | | Trend 2003-2012 ^h | | | | | |
| | Rate per 100,000 persons | | | AAPC (%) | | | | | |
| | Total | Males | Females | Total | Males | Females | | | |
| RACE/ETHNICITY | | | | | | | | | |
| All Races | 1.1 | 1.9 | 0.4 | -2.2* | -2.5* | -2.1* | | | |
| White | 1.0 | 1.8 | 0.4 | -1.9* | -2.3* | -1.7* | | | |
| White Hispanic ^e | 0.9 | 1.7 | 0.2 | -2.5* | -2.7* | -1.9* | | | |
| White Non-Hispanic ^e | 1.0 | 1.8 | 0.4 | -1.8* | -2.2* | -1.5* | | | |
| Black | 1.8 | 3.6 | 0.6 | -3.3* | -3.3* | -3.2* | | | |
| Asian/Pacific Islander | 0.4 | 0.8 | 0.1 | -1.9* | -1.3 | -4.2* | | | |
| Amer Ind/Alaska Nat | | | | | | | | | |
| Total U.S. | 0.7 | 1.4 | 0.2 | -2.6* | -2.1 | - | | | |
| CHSDA Counties | 0.9 | 1.7 | - | -2.6 | -1.7 | - | | | |
| Non-CHSDA Counties | 0.5 | 1.0 | - | - | - | - | | | |
| Hispanic ^e | 0.8 | 1.7 | 0.2 | -2.5* | -2.7* | -2.0* | | | |

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute.

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

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

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

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

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

The SEER 18 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, and Georgia excluding ATL/RG.

c The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over diagnosis years 1992-2012.

d The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2012.

e Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The 2003-2012 Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.

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

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

h The 2003-2012 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2012.

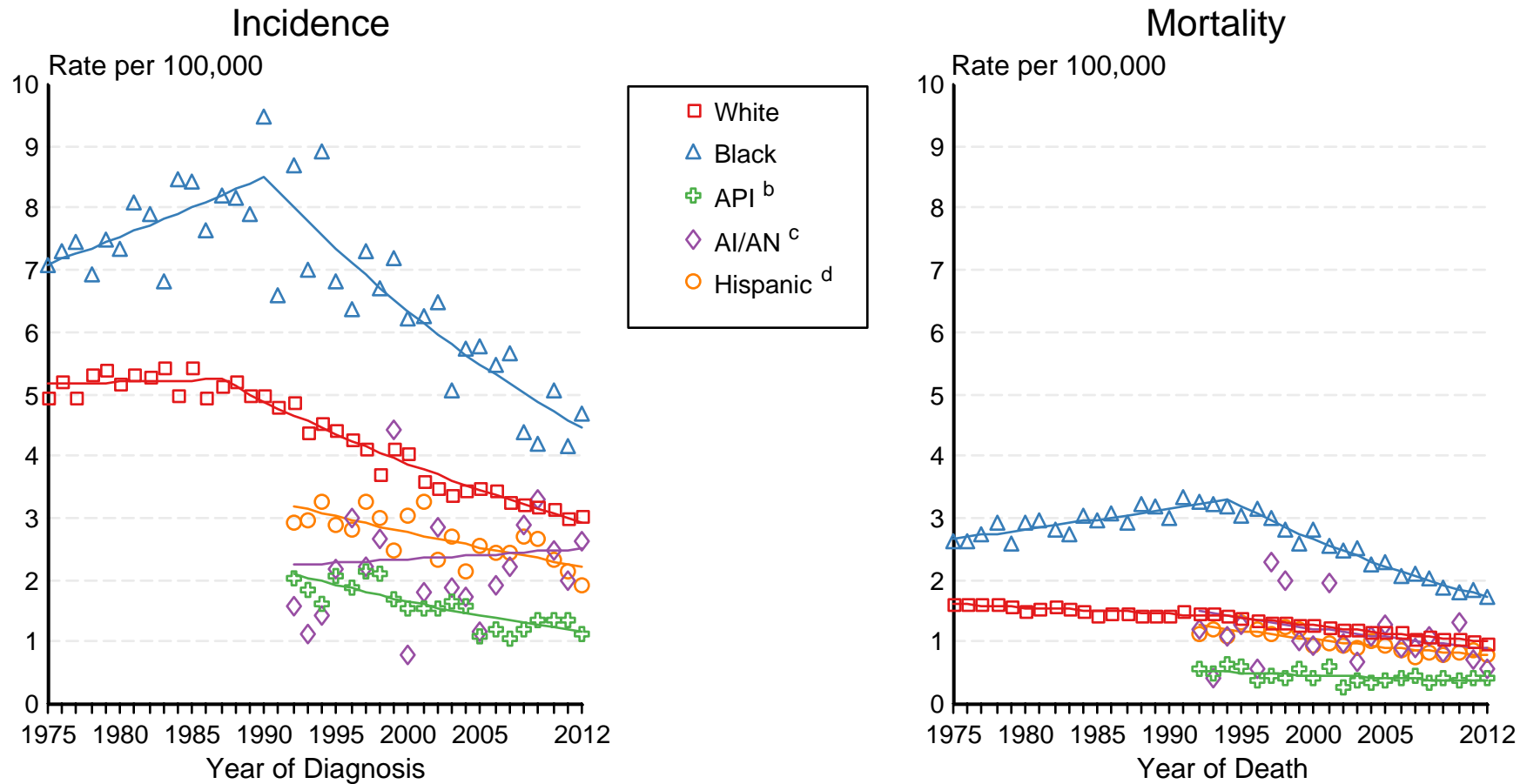
* The APC is significantly different from zero (p<.05).

Figure 12.2

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

Joinpoint Analyses for Whites and Blacks from 1975-2012

and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2012



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

^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines are calculated using the Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2012 period allow a maximum of 5 joinpoints. Analyses for other ethnic groups during the period 1992-2012 allow a maximum of 3 joinpoints.

^b API = Asian/Pacific Islander.

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

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

Table 13.23
Leukemia

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

| SEER Incidence | SEER 18 Areas ^b | | | SEER 13 Areas ^b | | | SEER 9 Areas ^b | | |
|-----------------------------------|----------------------------|-------|---------|------------------------------|-------|---------|------------------------------|-------|---------|
| | Rate 2008-2012 | | | Trend 2003-2012 ^c | | | Trend 2003-2012 ^d | | |
| | Rate per 100,000 persons | | | AAPC (%) | | | AAPC (%) | | |
| RACE/ETHNICITY | Total | Males | Females | Total | Males | Females | Total | Males | Females |
| All Races | 13.3 | 17.0 | 10.4 | 0.2* | 0.1 | 0.3* | 0.2* | 0.1* | 0.3* |
| White | 14.0 | 17.9 | 10.9 | 0.3* | 0.1 | 0.4* | 0.3* | 0.2* | 0.4* |
| White Hispanic ^e | 10.9 | 13.1 | 9.2 | 0.4 | 0.2 | 0.5 | - | - | - |
| White Non-Hispanic ^e | 14.2 | 18.3 | 11.0 | 0.4* | 0.2 | 0.4* | - | - | - |
| Black | 10.6 | 13.5 | 8.5 | 0.2 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| Asian/Pacific Islander | 7.8 | 9.8 | 6.3 | -0.2 | -0.1 | -0.1 | - | - | - |
| Amer Ind/Alaska Nat ^f | 8.4 | 10.1 | 7.2 | 1.6 | 2.2 | 1.5 | - | - | - |
| Hispanic ^e | 10.5 | 12.6 | 8.9 | 0.4 | 0.2 | 0.5 | - | - | - |
| <u>U.S. Mortality^g</u> | | | | | | | | | |
| | Rate 2008-2012 | | | Trend 2003-2012 ^h | | | | | |
| | Rate per 100,000 persons | | | AAPC (%) | | | | | |
| RACE/ETHNICITY | Total | Males | Females | Total | Males | Females | | | |
| All Races | 7.0 | 9.4 | 5.2 | -1.0* | -0.8* | -1.2* | | | |
| White | 7.2 | 9.7 | 5.4 | -0.9* | -0.7* | -1.1* | | | |
| White Hispanic ^e | 5.2 | 6.5 | 4.2 | -0.4* | -0.4 | -0.4* | | | |
| White Non-Hispanic ^e | 7.3 | 9.9 | 5.4 | -0.8* | -0.7* | -1.1* | | | |
| Black | 6.0 | 7.9 | 4.7 | -1.2* | -1.3* | -1.1* | | | |
| Asian/Pacific Islander | 4.0 | 5.1 | 3.2 | 0.6 | -0.5 | -0.5 | | | |
| Amer Ind/Alaska Nat | | | | | | | | | |
| Total U.S. | 3.6 | 5.0 | 2.6 | -1.3* | -1.0 | -1.8* | | | |
| CHSDA Counties | 4.6 | 6.7 | 3.2 | -0.2 | 0.5 | -1.1 | | | |
| Non-CHSDA Counties | 2.4 | 3.0 | 2.0 | -2.7* | -3.1* | -2.4 | | | |
| Hispanic ^e | 4.9 | 6.1 | 4.0 | -0.7* | -0.5* | -0.5* | | | |

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute.

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

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

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

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

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

The SEER 18 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, and Georgia excluding ATL/RG.

c The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over diagnosis years 1992-2012.

d The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2012.

e Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The 2003-2012 Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.

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

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

h The 2003-2012 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2012.

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

Figure 13.3

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

Joinpoint Analyses for Whites and Blacks from 1975-2012
and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2012



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

- ^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines are calculated using the Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2012 period allow a maximum of 5 joinpoints. Analyses for other ethnic groups during the period 1992-2012 allow a maximum of 3 joinpoints.
- ^b API = Asian/Pacific Islander.
- ^c AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- ^d Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from New Hampshire and Oklahoma.

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 | SEER 18 Areas ^b | | | SEER 13 Areas ^b | | | SEER 9 Areas ^b | | |
|-----------------------------------|----------------------------|-------|---------|------------------------------|-------|---------|------------------------------|-------|---------|
| | Rate 2008-2012 | | | Trend 2003-2012 ^c | | | Trend 2003-2012 ^d | | |
| | Rate per 100,000 persons | | | AAPC (%) | | | AAPC (%) | | |
| RACE/ETHNICITY | Total | Males | Females | Total | Males | Females | Total | Males | Females |
| All Races | 8.2 | 12.7 | 4.3 | 3.1* | 3.4* | 2.4* | 4.0* | 3.8* | 2.7* |
| White | 7.2 | 11.2 | 3.7 | 4.2* | 3.9* | 3.6* | 4.6* | 4.0* | 4.1* |
| White Hispanic ^e | 13.1 | 19.9 | 7.3 | 3.1* | 3.2* | 2.5* | - | - | - |
| White Non-Hispanic ^e | 6.3 | 9.8 | 3.2 | 4.1* | 3.6* | 3.7* | - | - | - |
| Black | 9.8 | 16.2 | 4.8 | 3.8* | 4.2* | 2.8* | 3.9* | 3.9* | 2.8* |
| Asian/Pacific Islander | 13.7 | 20.9 | 7.9 | -0.9 | 0.5 | 0.3 | - | - | - |
| Amer Ind/Alaska Nat ^f | 13.6 | 19.9 | 8.4 | 2.7* | 3.3* | 1.4 | - | - | - |
| Hispanic ^e | 12.5 | 19.1 | 7.0 | 3.1* | 3.2* | 2.5* | - | - | - |
| <u>U.S. Mortality^g</u> | | | | | | | | | |
| RACE/ETHNICITY | Rate 2008-2012 | | | Trend 2003-2012 ^h | | | | | |
| | Rate per 100,000 persons | | | AAPC (%) | | | | | |
| | Total | Males | Females | Total | Males | Females | | | |
| All Races | 6.0 | 8.8 | 3.5 | 2.7* | 2.8* | 2.1* | | | |
| White | 5.5 | 8.1 | 3.3 | 2.9* | 2.9* | 2.1* | | | |
| White Hispanic ^e | 9.4 | 13.6 | 5.9 | 2.0* | 2.0* | 1.7* | | | |
| White Non-Hispanic ^e | 5.2 | 7.6 | 3.1 | 2.8* | 2.9* | 2.0* | | | |
| Black | 7.9 | 12.5 | 4.3 | 2.6* | 2.3* | 1.0* | | | |
| Asian/Pacific Islander | 9.8 | 14.5 | 6.1 | -0.8* | -0.8* | -0.6* | | | |
| Amer Ind/Alaska Nat | | | | | | | | | |
| Total U.S. | 6.8 | 9.5 | 4.6 | 1.6* | 1.6* | 1.1 | | | |
| CHSDA Counties | 9.8 | 13.9 | 6.3 | 2.1* | 2.5* | 1.3 | | | |
| Non-CHSDA Counties | 3.5 | 4.5 | 2.5 | 1.8 | 1.4 | 2.8* | | | |
| Hispanic ^e | 8.9 | 12.9 | 5.6 | 1.9* | 1.9* | 1.6* | | | |

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute.

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

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

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

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

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

The SEER 18 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, and Georgia excluding ATL/RG.

c The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over diagnosis years 1992-2012.

d The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2012.

e Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The 2003-2012 Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.

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

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

h The 2003-2012 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2012.

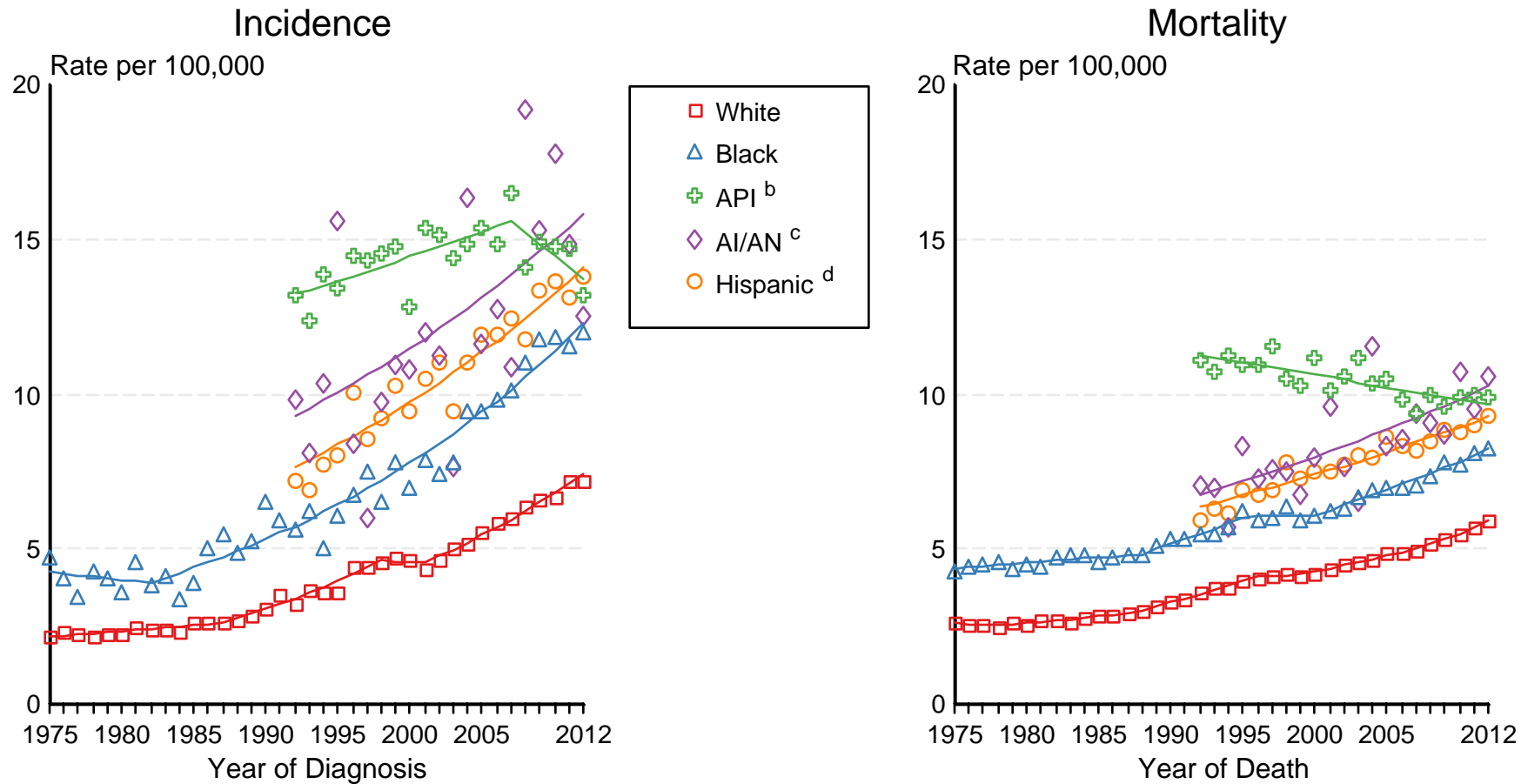
* The APC is significantly different from zero (p<.05).

Figure 14.2

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

Joinpoint Analyses for Whites and Blacks from 1975-2012

and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2012



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

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

Regression lines are calculated using the Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2012 period allow a maximum of 5 joinpoints. Analyses for other ethnic groups during the period 1992-2012 allow a maximum of 3 joinpoints.

^b API = Asian/Pacific Islander.

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

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

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 | SEER 18 Areas ^b | | | SEER 13 Areas ^b | | | SEER 9 Areas ^b | | |
|----------------------------------|----------------------------|-------|---------|------------------------------|-------|---------|------------------------------|-------|---------|
| | Rate 2008-2012 | | | Trend 2003-2012 ^c | | | Trend 2003-2012 ^d | | |
| | Rate per 100,000 persons | | | AAPC (%) | | | AAPC (%) | | |
| | Total | Males | Females | Total | Males | Females | Total | Males | Females |
| RACE/ETHNICITY | | | | | | | | | |
| All Races | 58.7 | 70.1 | 50.2 | -2.0* | -2.7* | -1.3* | -1.7* | -2.4* | -1.0* |
| White | 60.2 | 70.3 | 52.7 | -2.0* | -2.6* | -1.3* | -1.7* | -2.4* | -1.0* |
| White Hispanic ^e | 31.4 | 39.3 | 25.9 | -1.3* | -2.1* | -0.4* | - | - | - |
| White Non-Hispanic ^e | 64.6 | 74.8 | 56.9 | -1.8* | -2.5* | -1.2* | - | - | - |
| Black | 67.0 | 90.9 | 50.8 | -2.3* | -2.6* | -1.3* | -1.7* | -2.7* | 0.1 |
| Asian/Pacific Islander | 37.1 | 49.0 | 28.5 | -1.3* | -2.3* | 0.3 | - | - | - |
| Amer Ind/Alaska Nat ^f | 39.9 | 47.6 | 34.5 | -0.7 | -1.5* | 0.5 | - | - | - |
| Hispanic ^e | 30.4 | 37.9 | 25.1 | -1.3* | -2.1* | -0.4* | - | - | - |
| U.S. Mortality ^g | | | | | | | | | |
| | Rate 2008-2012 | | | Trend 2003-2012 ^h | | | | | |
| | Rate per 100,000 persons | | | AAPC (%) | | | | | |
| | Total | Males | Females | Total | Males | Females | | | |
| RACE/ETHNICITY | | | | | | | | | |
| All Races | 47.2 | 59.8 | 37.8 | -2.0* | -2.7* | -1.4* | | | |
| White | 47.9 | 59.7 | 39.1 | -1.9* | -2.6* | -1.3* | | | |
| White Hispanic ^e | 21.3 | 30.9 | 14.4 | -2.3* | -2.8* | -1.2* | | | |
| White Non-Hispanic ^e | 50.4 | 62.2 | 41.4 | -1.8* | -2.5* | -1.2* | | | |
| Black | 50.6 | 73.1 | 35.8 | -2.5* | -3.4* | -1.7* | | | |
| Asian/Pacific Islander | 24.8 | 34.0 | 18.2 | -1.2* | -1.6* | -0.4* | | | |
| Amer Ind/Alaska Nat | | | | | | | | | |
| Total U.S. | 31.7 | 39.4 | 25.8 | -1.0* | -2.0* | -1.8* | | | |
| CHSDA Counties | 39.4 | 49.1 | 32.1 | -0.2 | -1.0* | -1.2 | | | |
| Non-CHSDA Counties | 22.7 | 28.1 | 18.3 | -2.1* | -3.2* | -1.8* | | | |
| Hispanic ^e | 20.4 | 29.5 | 13.7 | -2.3* | -3.0* | -1.3* | | | |

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute.

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

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

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

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

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

The SEER 18 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, and Georgia excluding ATL/RG.

c The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over diagnosis years 1992-2012.

d The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2012.

e Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The 2003-2012 Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.

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

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

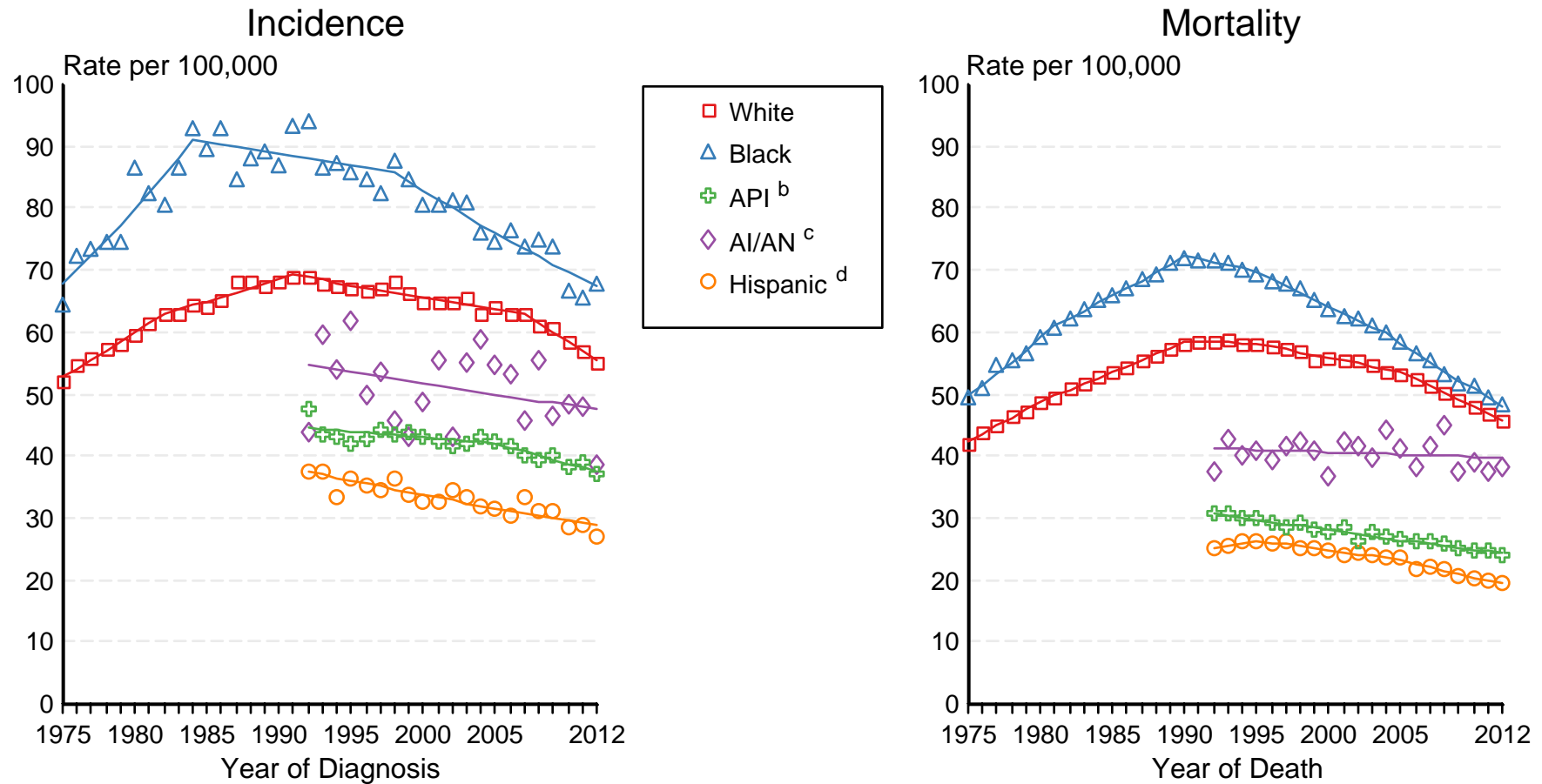
h The 2003-2012 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2012.

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

Figure 15.4

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

Joinpoint Analyses for Whites and Blacks from 1975-2012
and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2012



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

- ^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines are calculated using the Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2012 period allow a maximum of 5 joinpoints. Analyses for other ethnic groups during the period 1992-2012 allow a maximum of 3 joinpoints.
- ^b API = Asian/Pacific Islander.
- ^c AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- ^d Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from New Hampshire and Oklahoma.

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 | SEER 18 Areas ^b | | | SEER 13 Areas ^b | | | SEER 9 Areas ^b | | |
|-----------------------------------|----------------------------|-------|---------|------------------------------|-------|---------|------------------------------|-------|---------|
| | Rate 2008-2012 | | | Trend 2003-2012 ^c | | | Trend 2003-2012 ^d | | |
| | Rate per 100,000 persons | | | AAPC (%) | | | AAPC (%) | | |
| RACE/ETHNICITY | Total | Males | Females | Total | Males | Females | Total | Males | Females |
| All Races | 21.6 | 28.2 | 16.8 | 1.0* | 1.2* | 0.5 | 1.4* | 1.6* | 0.8 |
| White | 25.6 | 33.0 | 20.2 | 1.1* | 1.3* | 0.9 | 1.5* | 1.7* | 1.2* |
| White Hispanic ^e | 4.6 | 5.0 | 4.5 | 0.9* | 1.4* | 0.5 | - | - | - |
| White Non-Hispanic ^e | 30.2 | 38.2 | 24.2 | 1.5* | 1.6* | 1.3* | - | - | - |
| Black | 1.1 | 1.2 | 1.0 | 1.8 | -2.7* | 0.4 | 0.0 | -0.2 | 0.0 |
| Asian/Pacific Islander | 1.3 | 1.6 | 1.1 | 0.6 | 1.4 | 0.0 | - | - | - |
| Amer Ind/Alaska Nat ^f | 4.0 | 3.4 | 4.5 | 1.6 | 0.8 | 2.1 | - | - | - |
| Hispanic ^e | 4.5 | 4.8 | 4.5 | 0.7 | 1.1* | 0.3 | - | - | - |
| <u>U.S. Mortality^g</u> | | | | | | | | | |
| RACE/ETHNICITY | Rate 2008-2012 | | | Trend 2003-2012 ^h | | | | | |
| | Rate per 100,000 persons | | | AAPC (%) | | | | | |
| | Total | Males | Females | Total | Males | Females | | | |
| All Races | 2.7 | 4.1 | 1.7 | 0.0 | 0.3* | -0.5* | | | |
| White | 3.1 | 4.6 | 2.0 | 0.2* | 0.4* | -0.3* | | | |
| White Hispanic ^e | 0.8 | 1.1 | 0.6 | -0.2 | 0.0 | -0.4 | | | |
| White Non-Hispanic ^e | 3.4 | 5.0 | 2.1 | 0.4* | 0.6* | 0.0 | | | |
| Black | 0.4 | 0.5 | 0.4 | -1.0* | -0.2 | -1.7* | | | |
| Asian/Pacific Islander | 0.4 | 0.4 | 0.3 | -0.8 | -1.3 | -0.3 | | | |
| Amer Ind/Alaska Nat | | | | | | | | | |
| Total U.S. | 0.7 | 1.0 | 0.6 | 1.2 | 2.3 | 0.4 | | | |
| CHSDA Counties | 1.0 | 1.5 | 0.7 | 1.7 | 4.0* | - | | | |
| Non-CHSDA Counties | 0.5 | - | - | 1.7 | - | - | | | |
| Hispanic ^e | 0.8 | 1.0 | 0.6 | -0.2 | 0.0 | -0.4 | | | |

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute.

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

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

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

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

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

The SEER 18 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, and Georgia excluding ATL/RG.

^c The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over diagnosis years 1992-2012.

^d The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2012.

^e Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The 2003-2012 Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.

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

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

^h The 2003-2012 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2012.

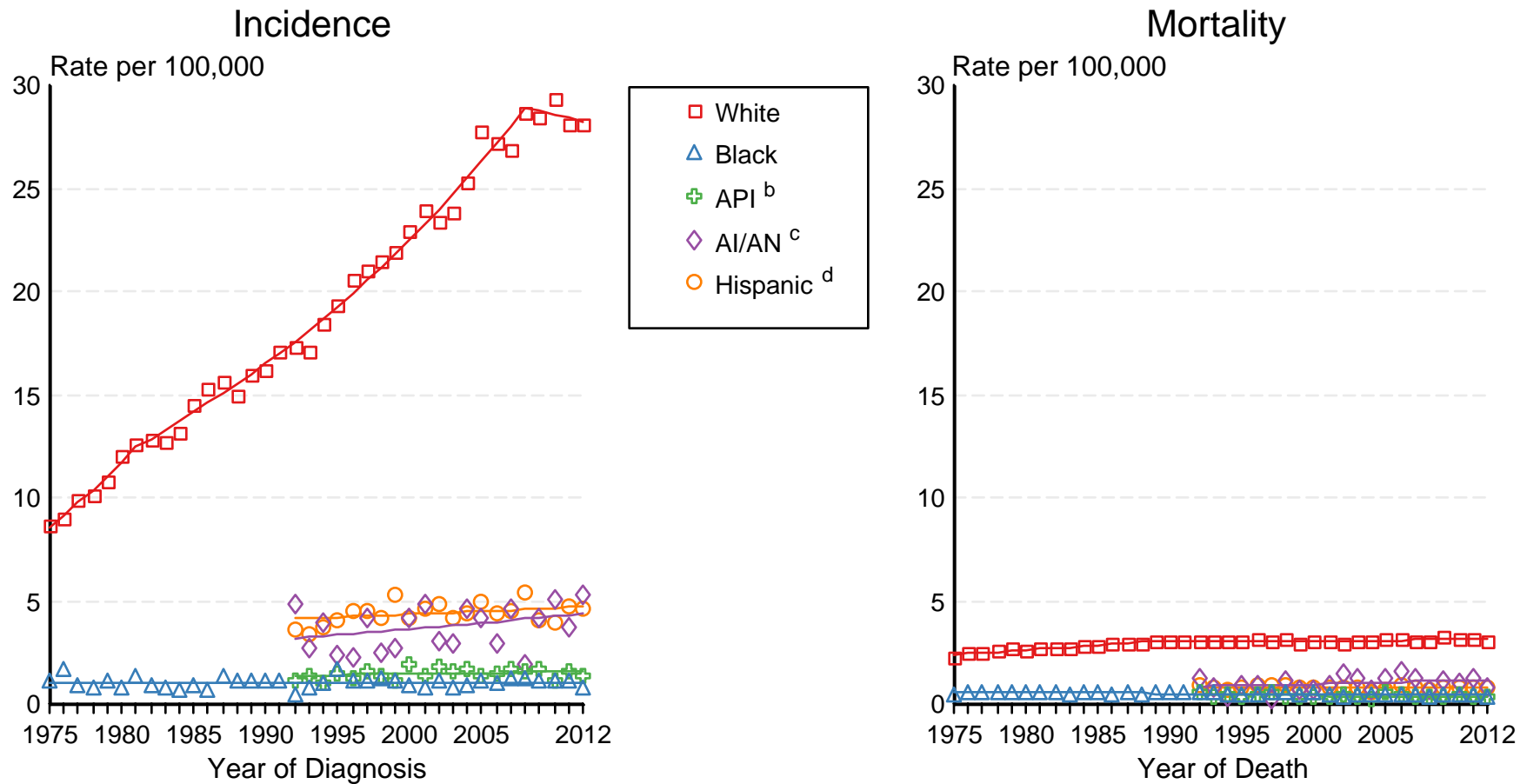
* The APC is significantly different from zero (p<.05).

Figure 16.2

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

Joinpoint Analyses for Whites and Blacks from 1975-2012

and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2012



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

- ^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines are calculated using the Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2012 period allow a maximum of 5 joinpoints. Analyses for other ethnic groups during the period 1992-2012 allow a maximum of 3 joinpoints.
- ^b API = Asian/Pacific Islander.
- ^c AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- ^d Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from New Hampshire and Oklahoma.

Table 17.11
Mesothelioma

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

| SEER Incidence | SEER 18 Areas ^b | | | SEER 13 Areas ^b | | | SEER 9 Areas ^b | | |
|----------------------------------|----------------------------|-------|---------|------------------------------|-------|---------|------------------------------|-------|---------|
| | Rate 2008-2012 | | | Trend 2003-2012 ^c | | | Trend 2003-2012 ^d | | |
| | Rate per 100,000 persons | | | AAPC (%) | | | AAPC (%) | | |
| RACE/ETHNICITY | Total | Males | Females | Total | Males | Females | Total | Males | Females |
| All Races | 1.0 | 1.8 | 0.4 | -1.0* | -1.4* | 0.0 | -1.0* | -1.5* | -0.1 |
| White | 1.1 | 2.0 | 0.5 | -0.6* | -1.1* | 0.4 | -0.6* | -1.2* | 0.7* |
| White Hispanic ^e | 0.9 | 1.7 | 0.4 | -3.2* | -1.8* | -1.1 | - | - | - |
| White Non-Hispanic ^e | 1.1 | 2.1 | 0.5 | -0.5* | -1.0* | 0.5 | - | - | - |
| Black | 0.5 | 1.0 | 0.2 | -3.6* | -3.9* | -2.3 | -5.2* | -6.3* | - |
| Asian/Pacific Islander | 0.3 | 0.6 | 0.2 | -1.1 | -1.1 | -0.4 | - | - | - |
| Amer Ind/Alaska Nat ^f | 0.9 | - | - | - | - | - | - | - | - |
| Hispanic ^e | 0.9 | 1.6 | 0.4 | -3.0* | -1.7* | -1.2 | - | - | - |

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute.

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

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

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

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

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

The SEER 18 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, and Georgia excluding ATL/RG.

c The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over diagnosis years 1992-2012.

d The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2012.

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

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

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

Table 18.15
Myeloma

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

| SEER Incidence | SEER 18 Areas ^b | | | SEER 13 Areas ^b | | | SEER 9 Areas ^b | | |
|-----------------------------------|----------------------------|-------|---------|------------------------------|-------|---------|------------------------------|-------|---------|
| | Rate 2008-2012 | | | Trend 2003-2012 ^c | | | Trend 2003-2012 ^d | | |
| | Rate per 100,000 persons | | | AAPC (%) | | | AAPC (%) | | |
| RACE/ETHNICITY | Total | Males | Females | Total | Males | Females | Total | Males | Females |
| All Races | 6.3 | 7.9 | 5.1 | 0.6* | 0.7* | 0.4* | 0.8* | 0.8* | 0.6* |
| White | 5.8 | 7.5 | 4.5 | 0.6* | 0.7* | 0.3 | 0.7* | 0.8* | 0.5* |
| White Hispanic ^e | 6.0 | 7.5 | 4.9 | 0.1 | 0.2 | -0.1 | - | - | - |
| White Non-Hispanic ^e | 5.7 | 7.5 | 4.4 | 0.6* | 0.7* | 0.3 | - | - | - |
| Black | 12.8 | 15.1 | 11.2 | 0.7* | 1.1* | 0.4 | 0.8* | 0.8* | 0.9* |
| Asian/Pacific Islander | 3.7 | 4.6 | 3.0 | 0.5 | 0.5 | 0.6 | - | - | - |
| Amer Ind/Alaska Nat ^f | 4.4 | 4.6 | 4.2 | -0.6 | -1.6 | 0.0 | - | - | - |
| Hispanic ^e | 5.9 | 7.3 | 4.8 | 0.1 | 0.3 | -0.2 | - | - | - |
| <u>U.S. Mortality^g</u> | | | | | | | | | |
| RACE/ETHNICITY | Rate 2008-2012 | | | Trend 2003-2012 ^h | | | | | |
| | Rate per 100,000 persons | | | AAPC (%) | | | | | |
| | Total | Males | Females | Total | Males | Females | | | |
| All Races | 3.3 | 4.2 | 2.7 | -0.9* | -1.0* | -1.1* | | | |
| White | 3.1 | 4.0 | 2.4 | -0.9* | -0.8* | -1.2* | | | |
| White Hispanic ^e | 2.9 | 3.6 | 2.4 | -0.5 | -0.5 | -0.6 | | | |
| White Non-Hispanic ^e | 3.1 | 4.0 | 2.4 | -0.9* | -1.0* | -1.4* | | | |
| Black | 6.2 | 7.6 | 5.3 | -1.6* | -1.5* | -1.1 | | | |
| Asian/Pacific Islander | 1.7 | 2.2 | 1.4 | -0.5 | -0.1 | -0.8 | | | |
| Amer Ind/Alaska Nat | | | | | | | | | |
| Total U.S. | 2.1 | 2.6 | 1.8 | -2.3* | -2.2* | -2.6* | | | |
| CHSDA Counties | 2.7 | 3.2 | 2.3 | -2.2* | -1.7* | -2.8* | | | |
| Non-CHSDA Counties | 1.6 | 1.8 | 1.3 | -1.1 | -2.3 | - | | | |
| Hispanic ^e | 2.8 | 3.5 | 2.3 | -0.6* | -0.6 | -0.7 | | | |

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute.

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

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

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

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

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

The SEER 18 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, and Georgia excluding ATL/RG.

c The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over diagnosis years 1992-2012.

d The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2012.

e Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The 2003-2012 Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.

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

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

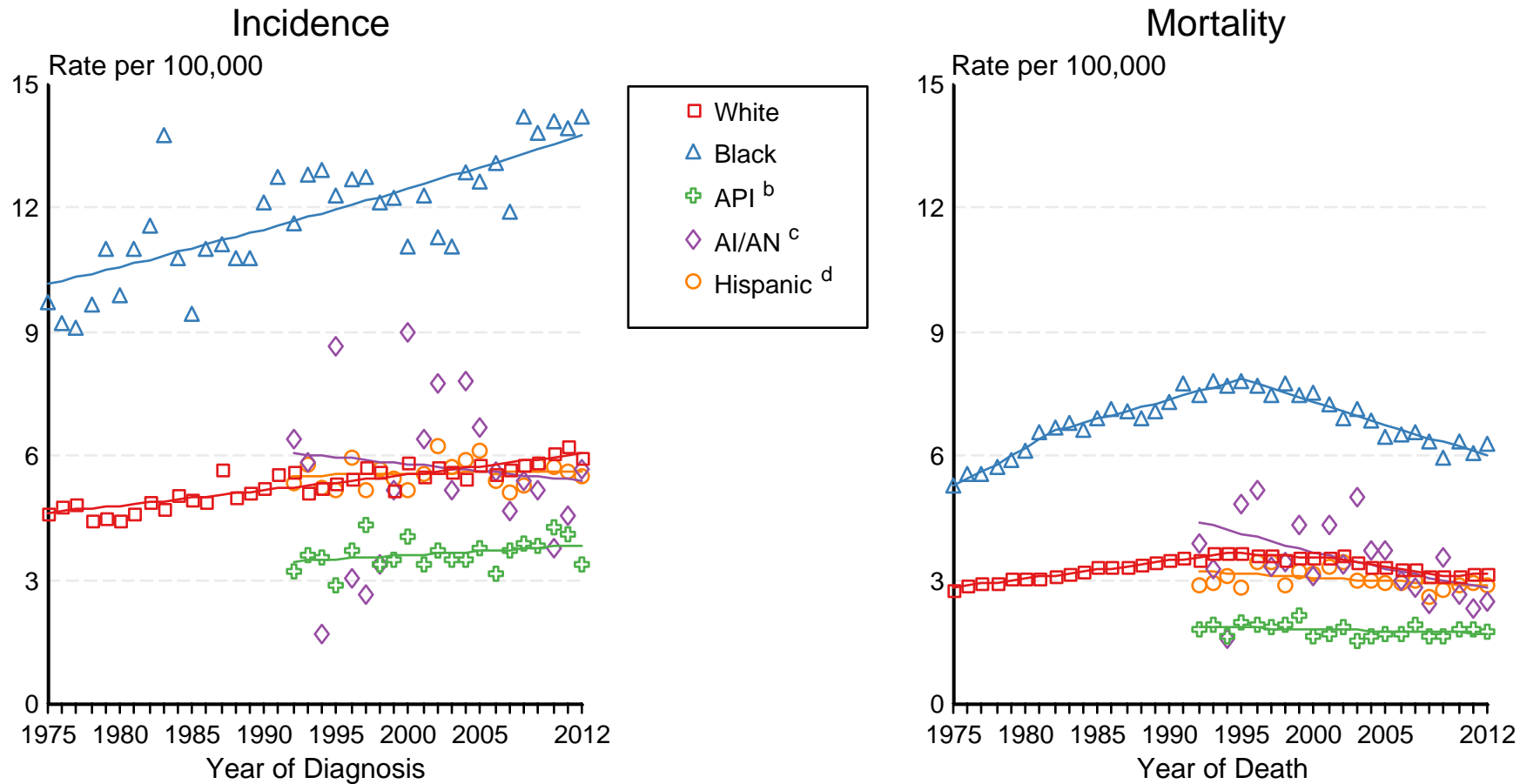
h The 2003-2012 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2012.

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

Figure 18.2

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

Joinpoint Analyses for Whites and Blacks from 1975-2012
and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2012



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

- ^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines are calculated using the Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2012 period allow a maximum of 5 joinpoints. Analyses for other ethnic groups during the period 1992-2012 allow a maximum of 3 joinpoints.
- ^b API = Asian/Pacific Islander.
- ^c AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- ^d Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from New Hampshire and Oklahoma.

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 | SEER 18 Areas ^b | | | SEER 13 Areas ^b | | | SEER 9 Areas ^b | | |
|-----------------------------------|----------------------------|-------|---------|------------------------------|-------|---------|------------------------------|-------|---------|
| | Rate 2008-2012 | | | Trend 2003-2012 ^c | | | Trend 2003-2012 ^d | | |
| | Rate per 100,000 persons | | | AAPC (%) | | | AAPC (%) | | |
| RACE/ETHNICITY | Total | Males | Females | Total | Males | Females | Total | Males | Females |
| All Races | 19.7 | 23.9 | 16.3 | -0.6 | -0.5 | -0.5 | -0.3 | 0.3* | -0.6* |
| White | 20.6 | 24.9 | 17.1 | -0.5 | -0.5 | -0.5 | -0.4 | -0.4 | -0.7* |
| White Hispanic ^e | 18.5 | 21.4 | 16.1 | -0.4 | 0.2 | 0.8* | - | - | - |
| White Non-Hispanic ^e | 21.0 | 25.5 | 17.3 | -0.5 | -0.4 | -0.7* | - | - | - |
| Black | 14.6 | 17.8 | 12.1 | -0.5 | -0.3 | 0.4 | 0.4 | -0.4 | -0.3 |
| Asian/Pacific Islander | 13.6 | 16.6 | 11.3 | 0.2 | 0.2 | 0.3 | - | - | - |
| Amer Ind/Alaska Nat ^f | 12.6 | 14.6 | 11.1 | 2.0* | 1.2 | 2.5* | - | - | - |
| Hispanic ^e | 17.8 | 20.6 | 15.5 | -0.5 | 0.2 | 0.8* | - | - | - |
| <u>U.S. Mortality^g</u> | | | | | | | | | |
| RACE/ETHNICITY | Rate 2008-2012 | | | Trend 2003-2012 ^h | | | | | |
| | Rate per 100,000 persons | | | AAPC (%) | | | | | |
| | Total | Males | Females | Total | Males | Females | | | |
| All Races | 6.2 | 7.9 | 4.8 | -2.5* | -2.2* | -2.9* | | | |
| White | 6.4 | 8.2 | 5.0 | -2.5* | -2.2* | -2.9* | | | |
| White Hispanic ^e | 5.5 | 6.7 | 4.5 | -0.9* | -1.6* | -1.9* | | | |
| White Non-Hispanic ^e | 6.5 | 8.3 | 5.0 | -2.5* | -2.5* | -3.0* | | | |
| Black | 4.4 | 5.7 | 3.5 | -2.4* | -2.4* | -2.4* | | | |
| Asian/Pacific Islander | 4.1 | 5.0 | 3.4 | -2.0* | -2.2* | -1.6* | | | |
| Amer Ind/Alaska Nat | | | | | | | | | |
| Total U.S. | 3.2 | 3.9 | 2.6 | -3.7* | -1.6 | -5.6* | | | |
| CHSDA Counties | 4.6 | 5.7 | 3.6 | -0.4 | -0.3 | -4.5* | | | |
| Non-CHSDA Counties | 1.5 | 1.8 | 1.3 | -7.6* | -6.5* | -5.4* | | | |
| Hispanic ^e | 5.2 | 6.3 | 4.3 | -1.2* | -1.1 | -2.0* | | | |

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute.

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

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

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

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

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

The SEER 18 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, and Georgia excluding ATL/RG.

c The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over diagnosis years 1992-2012.

d The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2012.

e Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The 2003-2012 Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.

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

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

h The 2003-2012 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2012.

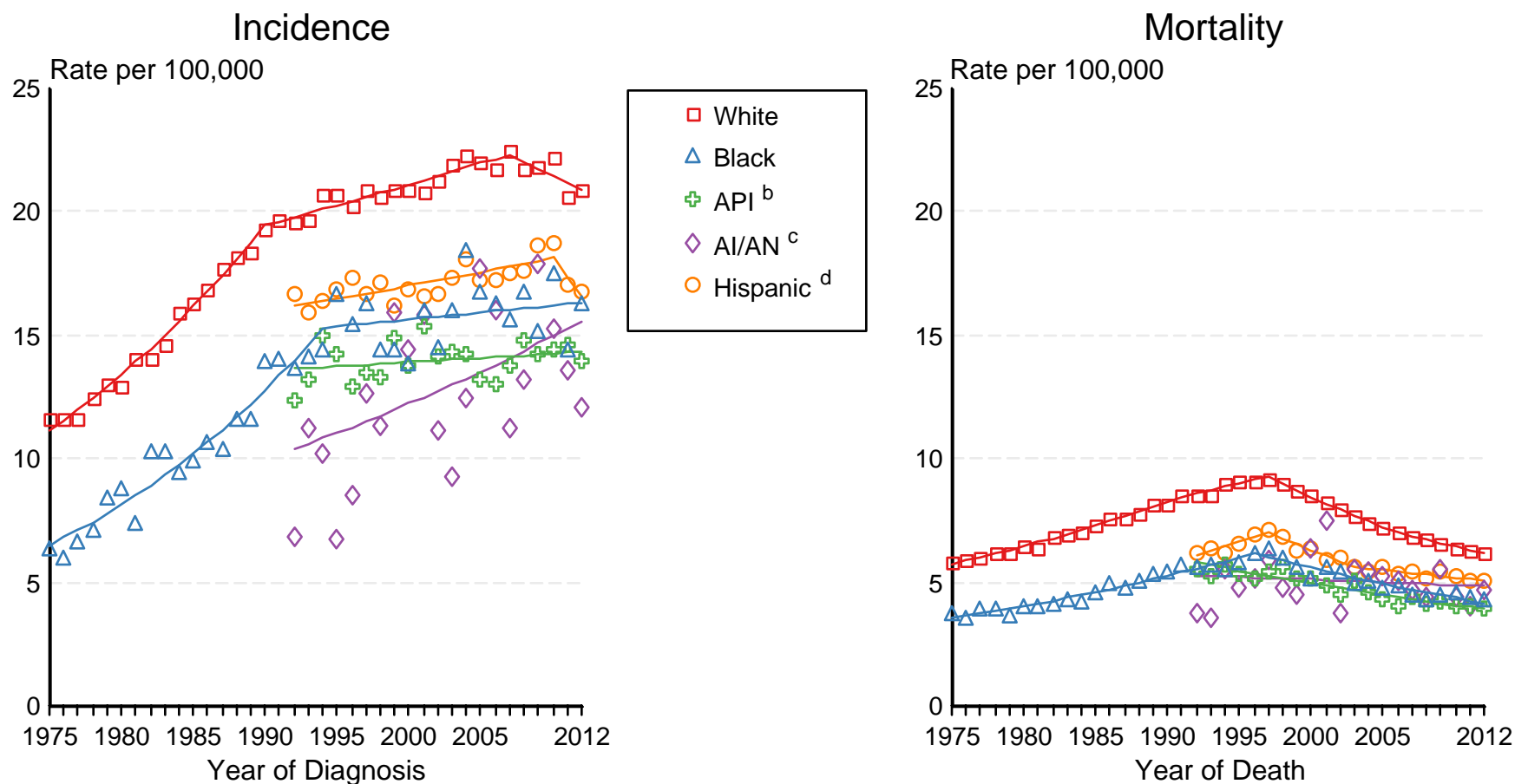
* The APC is significantly different from zero (p<.05).

Figure 19.2

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

Joinpoint Analyses for Whites and Blacks from 1975-2012

and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2012



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

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

Regression lines are calculated using the Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2012 period allow a maximum of 5 joinpoints. Analyses for other ethnic groups during the period 1992-2012 allow a maximum of 3 joinpoints.

^b API = Asian/Pacific Islander.

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

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

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 | SEER 18 Areas ^b | | | SEER 13 Areas ^b | | | SEER 9 Areas ^b | | |
|-----------------------------------|----------------------------|-------|---------|------------------------------|-------|---------|------------------------------|-------|---------|
| | Rate 2008-2012 | | | Trend 2003-2012 ^c | | | Trend 2003-2012 ^d | | |
| | Rate per 100,000 persons | | | AAPC (%) | | | AAPC (%) | | |
| RACE/ETHNICITY | Total | Males | Females | Total | Males | Females | Total | Males | Females |
| All Races | 11.0 | 16.5 | 6.3 | 0.4 | 0.2 | -0.7* | 0.5 | 0.3 | 0.2 |
| White | 11.5 | 17.1 | 6.4 | 0.9* | 0.7* | 0.4 | 0.9* | 0.7* | 0.5 |
| White Hispanic ^e | 7.0 | 10.5 | 4.2 | 1.5 | -0.6 | -0.4 | - | - | - |
| White Non-Hispanic ^e | 12.3 | 18.4 | 6.9 | 1.0* | 0.9* | 0.5 | - | - | - |
| Black | 9.3 | 14.6 | 5.2 | -2.6* | -2.9* | -1.7* | -2.5* | -3.1* | -1.6* |
| Asian/Pacific Islander | 7.6 | 11.0 | 4.9 | -1.0* | -1.1* | -0.7* | - | - | - |
| Amer Ind/Alaska Nat ^f | 8.8 | 13.2 | 5.2 | -1.3 | 4.5 | 0.3 | - | - | - |
| Hispanic ^e | 6.8 | 10.1 | 4.0 | 1.3 | -0.6 | -0.5 | - | - | - |
| <u>U.S. Mortality^g</u> | | | | | | | | | |
| RACE/ETHNICITY | Rate 2008-2012 | | | Trend 2003-2012 ^h | | | | | |
| | Rate per 100,000 persons | | | AAPC (%) | | | | | |
| | Total | Males | Females | Total | Males | Females | | | |
| All Races | 2.5 | 3.8 | 1.4 | -0.5 | -0.3 | -1.3* | | | |
| White | 2.4 | 3.7 | 1.3 | -0.2 | 0.0 | -1.1* | | | |
| White Hispanic ^e | 1.6 | 2.5 | 0.8 | -0.5 | -1.1* | -0.7 | | | |
| White Non-Hispanic ^e | 2.5 | 3.8 | 1.4 | -0.1 | 0.2 | -1.0* | | | |
| Black | 2.9 | 5.0 | 1.3 | -3.7* | -2.4 | -3.4* | | | |
| Asian/Pacific Islander | 1.9 | 2.9 | 1.2 | -2.1* | -2.3* | -1.7* | | | |
| Amer Ind/Alaska Nat | | | | | | | | | |
| Total U.S. | 1.7 | 2.6 | 1.0 | -1.9* | -2.4* | -1.4 | | | |
| CHSDA Counties | 2.2 | 3.6 | 1.2 | -1.6* | -1.8 | -1.1 | | | |
| Non-CHSDA Counties | 1.2 | 1.5 | 0.9 | -1.8 | - | - | | | |
| Hispanic ^e | 1.5 | 2.4 | 0.8 | -0.8 | -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 4.2.0, April 2015, National Cancer Institute.

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

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

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

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

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

The SEER 18 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, and Georgia excluding ATL/RG.

c The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over diagnosis years 1992-2012.

d The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2012.

e Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The 2003-2012 Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.

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

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

h The 2003-2012 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2012.

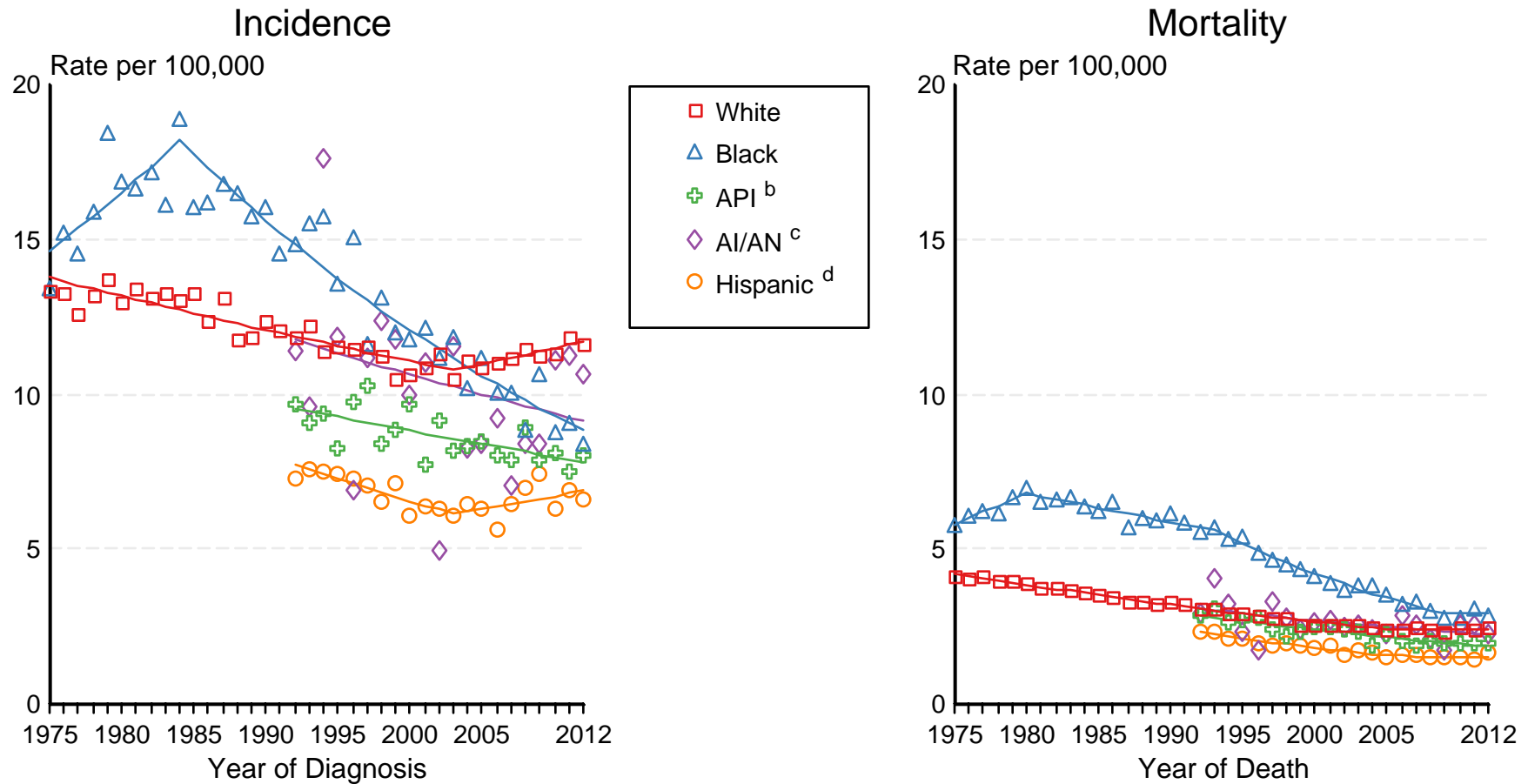
* The APC is significantly different from zero (p<.05).

Figure 20.2

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

Joinpoint Analyses for Whites and Blacks from 1975-2012

and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2012



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

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

Regression lines are calculated using the Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2012 period allow a maximum of 5 joinpoints. Analyses for other ethnic groups during the period 1992-2012 allow a maximum of 3 joinpoints.

^b API = Asian/Pacific Islander.

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

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

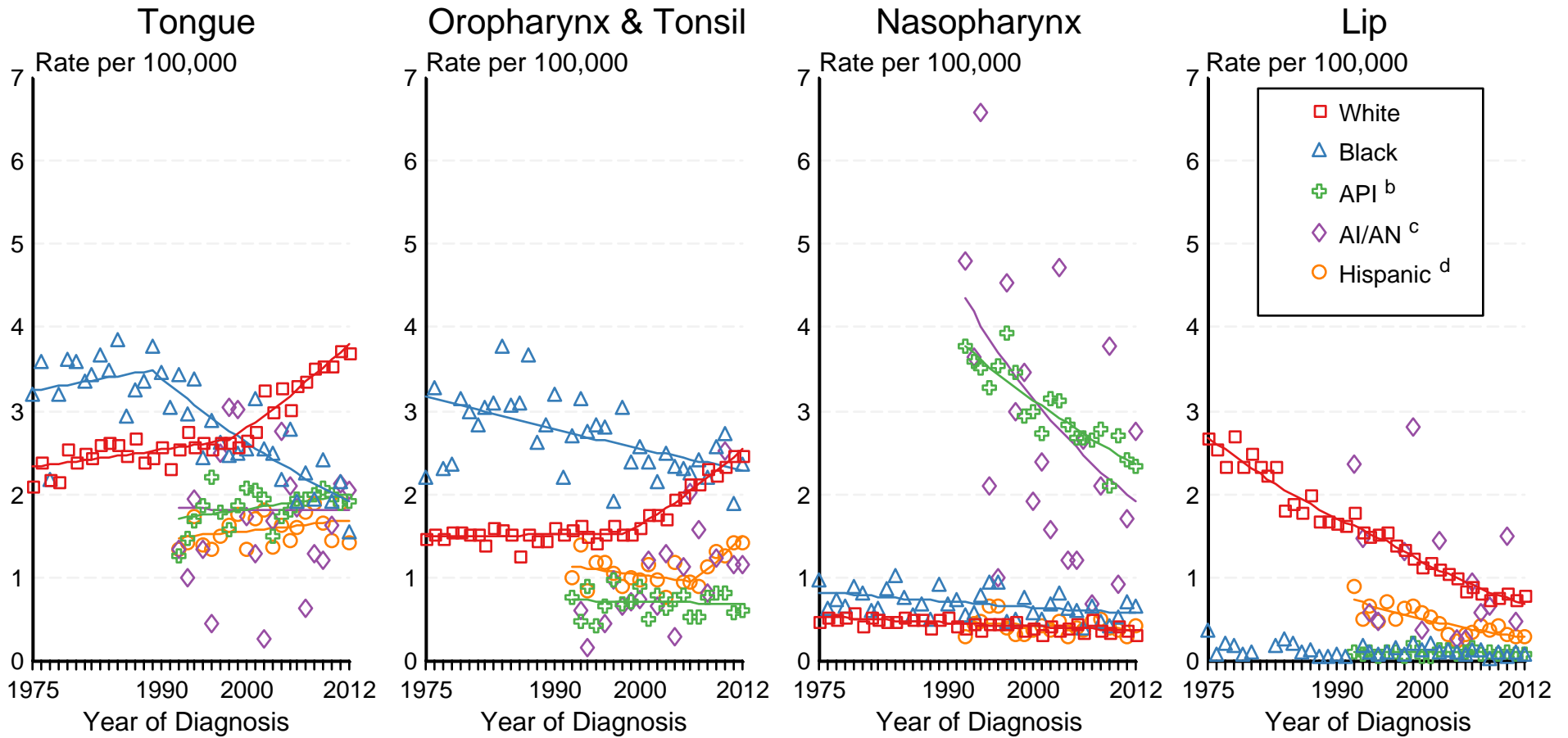
Figure 20.3

SEER Incidence Rates^a

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

Joinpoint Analyses for Whites and Blacks from 1975-2012

and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2012



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

^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 4.2.0, April 2015, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2012 period allow a maximum of 5 joinpoints. Analyses for other ethnic groups during the period 1992-2012 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 AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

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

Table 21.11
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 18 Areas ^b | SEER 13 Areas ^b | SEER 9 Areas ^b |
|-----------------------------------|----------------------------|------------------------------|------------------------------|
| | Rate 2008-2012 | Trend 2003-2012 ^c | Trend 2003-2012 ^d |
| | Rate per 100,000 persons | AAPC (%) | AAPC (%) |
| RACE/ETHNICITY | Females | Females | Females |
| All Races | 12.1 | -1.0* | -1.1* |
| White | 12.8 | -1.0* | -1.1* |
| White Hispanic ^e | 11.6 | -0.3 | - |
| White Non-Hispanic ^e | 12.9 | -1.1* | - |
| Black | 9.8 | -0.4 | -0.4* |
| Asian/Pacific Islander | 9.4 | -0.5* | - |
| Amer Ind/Alaska Nat ^f | 10.0 | 0.1 | - |
| Hispanic ^e | 11.0 | -0.3 | - |
| <u>U.S. Mortality^g</u> | | | |
| | Rate 2008-2012 | Trend 2003-2012 ^h | |
| | Rate per 100,000 persons | AAPC (%) | |
| RACE/ETHNICITY | Females | Females | |
| All Races | 7.7 | -2.0* | |
| White | 8.0 | -2.0* | |
| White Hispanic ^e | 5.9 | -0.4* | |
| White Non-Hispanic ^e | 8.2 | -2.0* | |
| Black | 6.7 | -1.3 | |
| Asian/Pacific Islander | 4.6 | -0.3 | |
| Amer Ind/Alaska Nat | | | |
| Total U.S. | 5.2 | -0.2 | |
| CHSDA Counties | 6.7 | 0.3 | |
| Non-CHSDA Counties | 3.4 | -0.2 | |
| Hispanic ^e | 5.6 | -0.5* | |

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute.

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

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

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

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

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

The SEER 18 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, and Georgia excluding ATL/RG.

^c The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over diagnosis years 1992-2012.

^d The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2012.

^e Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The 2003-2012 Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.

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

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

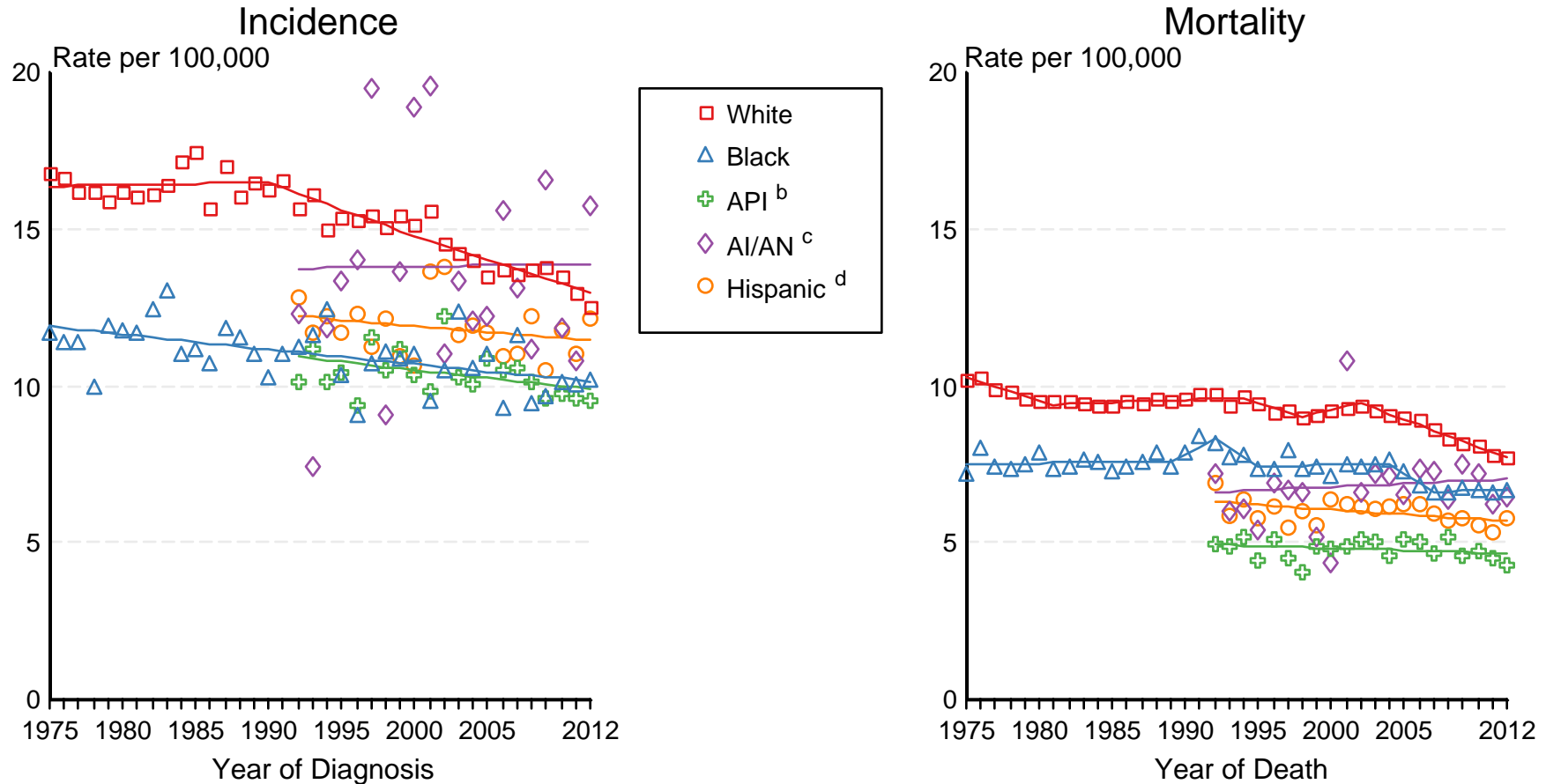
^h The 2003-2012 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2012.

* 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 1975-2012
and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2012



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

- ^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 4.2.0, April 2015, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2012 period allow a maximum of 5 joinpoints. Analyses for other ethnic groups during the period 1992-2012 allow a maximum of 3 joinpoints.
- ^b API = Asian/Pacific Islander.
- ^c AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- ^d Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from New Hampshire and Oklahoma.

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 | SEER 18 Areas ^b | | | SEER 13 Areas ^b | | | SEER 9 Areas ^b | | |
|-----------------------------------|----------------------------|-------|---------|------------------------------|-------|---------|------------------------------|-------|---------|
| | Rate 2008-2012 | | | Trend 2003-2012 ^c | | | Trend 2003-2012 ^d | | |
| | Rate per 100,000 persons | | | AAPC (%) | | | AAPC (%) | | |
| RACE/ETHNICITY | Total | Males | Females | Total | Males | Females | Total | Males | Females |
| All Races | 12.4 | 14.0 | 11.0 | 0.8* | 1.0 | 0.7* | 0.8* | 1.1 | 1.3* |
| White | 12.3 | 14.0 | 10.8 | 0.9* | 0.8* | 1.0* | 1.1* | 1.1* | 1.3* |
| White Hispanic ^e | 11.5 | 12.4 | 10.7 | 0.6* | 0.8* | 0.3 | - | - | - |
| White Non-Hispanic ^e | 12.4 | 14.3 | 10.9 | 1.1* | 0.8* | 0.8* | - | - | - |
| Black | 15.7 | 17.2 | 14.4 | 0.0 | -0.4 | -0.1 | -0.1 | -0.5* | 0.2 |
| Asian/Pacific Islander | 9.9 | 10.8 | 9.3 | 0.7* | 0.0 | 1.3* | - | - | - |
| Amer Ind/Alaska Nat ^f | 9.9 | 11.1 | 8.9 | -0.3 | 2.3* | 0.8 | - | - | - |
| Hispanic ^e | 11.1 | 11.9 | 10.3 | 0.6* | 0.8* | 0.3 | - | - | - |
| <u>U.S. Mortality^g</u> | | | | | | | | | |
| RACE/ETHNICITY | Rate 2008-2012 | | | Trend 2003-2012 ^h | | | | | |
| | Rate per 100,000 persons | | | AAPC (%) | | | | | |
| | Total | Males | Females | Total | Males | Females | | | |
| All Races | 10.9 | 12.6 | 9.6 | 0.3* | 0.3* | 0.4* | | | |
| White | 10.8 | 12.5 | 9.4 | 0.5* | 0.4* | 0.5* | | | |
| White Hispanic ^e | 9.1 | 10.3 | 8.1 | 0.5* | 0.4* | 0.5* | | | |
| White Non-Hispanic ^e | 11.0 | 12.7 | 9.5 | 0.5* | 0.4* | 0.4* | | | |
| Black | 13.5 | 15.0 | 12.3 | -0.4* | -0.6* | -0.4* | | | |
| Asian/Pacific Islander | 7.8 | 8.4 | 7.3 | 0.5* | 0.4 | 0.7* | | | |
| Amer Ind/Alaska Nat | | | | | | | | | |
| Total U.S. | 6.3 | 7.0 | 5.7 | 0.3 | 1.1 | -0.2 | | | |
| CHSDA Counties | 8.5 | 9.3 | 7.8 | 1.5* | -0.1 | 1.1 | | | |
| Non-CHSDA Counties | 3.8 | 4.5 | 3.2 | -1.7* | -0.5 | -2.5* | | | |
| Hispanic ^e | 8.7 | 9.8 | 7.7 | 0.4* | 0.3 | 0.4* | | | |

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute.

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

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

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

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

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

The SEER 18 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, and Georgia excluding ATL/RG.

c The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over diagnosis years 1992-2012.

d The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2012.

e Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The 2003-2012 Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.

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

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

h The 2003-2012 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2012.

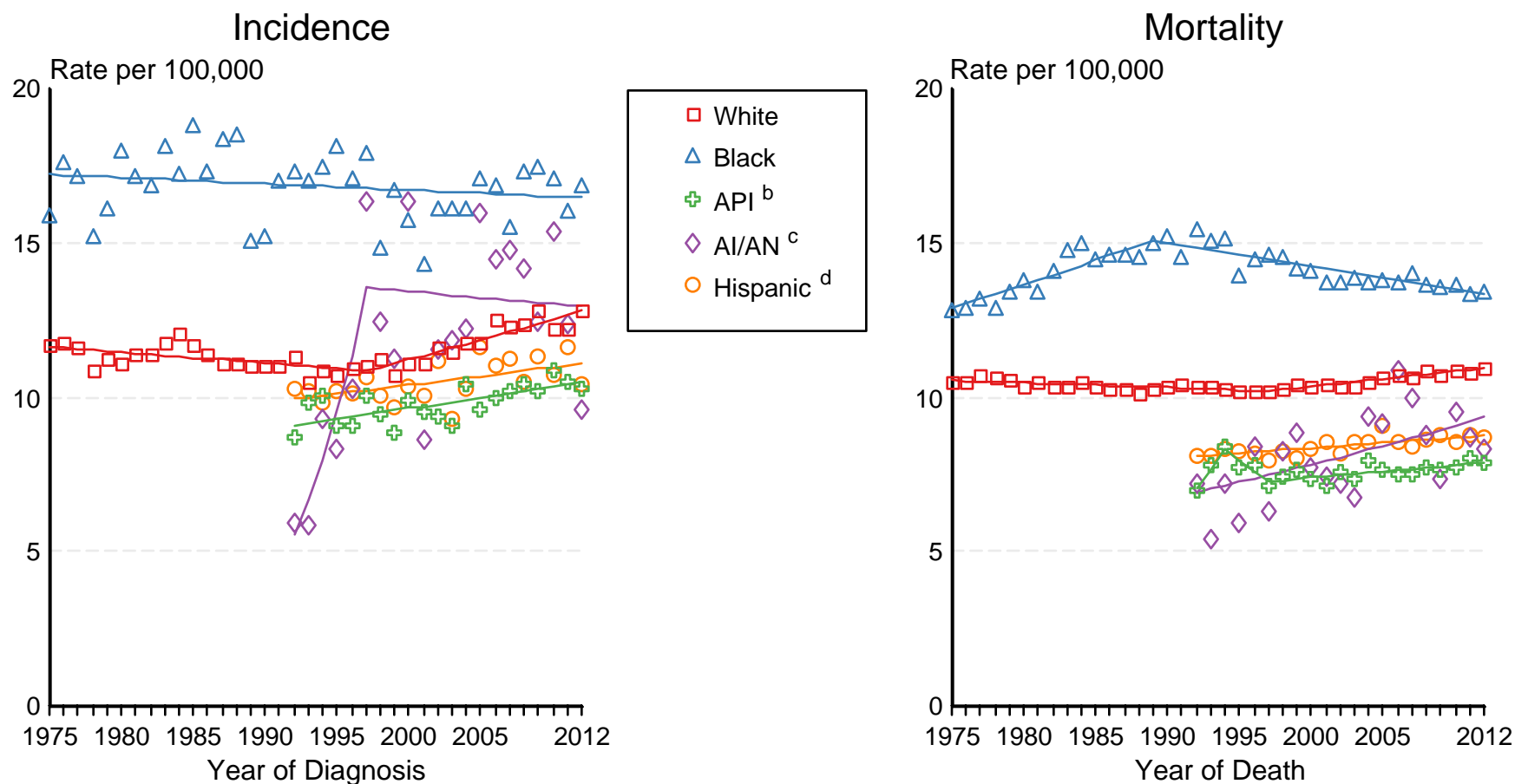
* The APC is significantly different from zero (p<.05).

Figure 22.2

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

Joinpoint Analyses for Whites and Blacks from 1975-2012

and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2012



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

^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines are calculated using the Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2012 period allow a maximum of 5 joinpoints. Analyses for other ethnic groups during the period 1992-2012 allow a maximum of 3 joinpoints.

^b API = Asian/Pacific Islander.

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

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

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 18 Areas ^b | SEER 13 Areas ^b | SEER 9 Areas ^b |
|-----------------------------------|----------------------------|------------------------------|------------------------------|
| | Rate 2008-2012 | Trend 2003-2012 ^c | Trend 2003-2012 ^d |
| | Rate per 100,000 persons | AAPC (%) | AAPC (%) |
| RACE/ETHNICITY | Males | Males | Males |
| All Races | 137.9 | -4.4* | -4.3* |
| White | 130.4 | -4.7* | -4.7* |
| White Hispanic ^e | 113.1 | -5.1* | - |
| White Non-Hispanic ^e | 133.4 | -4.7* | - |
| Black | 214.5 | -3.9* | -4.0* |
| Asian/Pacific Islander | 74.0 | -4.6* | - |
| Amer Ind/Alaska Nat ^f | 67.1 | -2.1* | - |
| Hispanic ^e | 114.7 | -4.7* | - |
| <u>U.S. Mortality^g</u> | | | |
| | Rate 2008-2012 | Trend 2003-2012 ^h | |
| | Rate per 100,000 persons | AAPC (%) | |
| RACE/ETHNICITY | Males | Males | |
| All Races | 21.4 | -3.6* | |
| White | 19.8 | -3.4* | |
| White Hispanic ^e | 18.4 | -2.4* | |
| White Non-Hispanic ^e | 19.9 | -3.4* | |
| Black | 46.3 | -4.0* | |
| Asian/Pacific Islander | 9.4 | -3.4* | |
| Amer Ind/Alaska Nat | | | |
| Total U.S. | 16.1 | -2.6* | |
| CHSDA Counties | 20.2 | -1.7* | |
| Non-CHSDA Counties | 11.3 | -3.8* | |
| Hispanic ^e | 17.8 | -2.7* | |

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute.

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

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

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

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

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

The SEER 18 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, and Georgia excluding ATL/RG.

^c The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over diagnosis years 1992-2012.

^d The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2012.

^e Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The 2003-2012 Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.

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

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

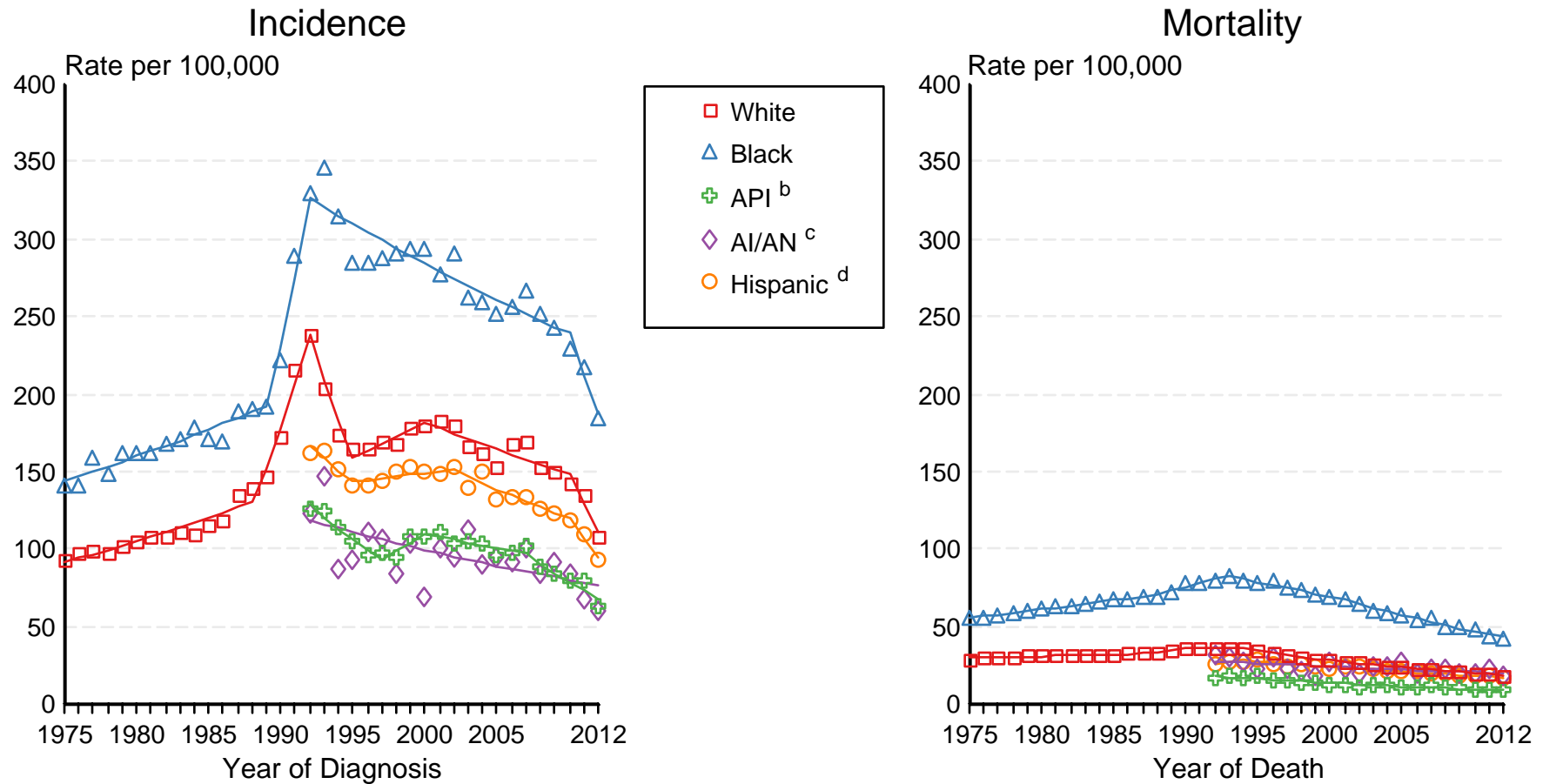
^h The 2003-2012 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2012.

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

Figure 23.3

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

Joinpoint Analyses for Whites and Blacks from 1975-2012
and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2012



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

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

Regression lines are calculated using the Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2012 period allow a maximum of 5 joinpoints. Analyses for other ethnic groups during the period 1992-2012 allow a maximum of 3 joinpoints.

^b API = Asian/Pacific Islander.

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

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

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 | SEER 18 Areas ^b | | | SEER 13 Areas ^b | | | SEER 9 Areas ^b | | |
|-----------------------------------|----------------------------|-------|---------|------------------------------|-------|---------|------------------------------|-------|---------|
| | Rate 2008-2012 | | | Trend 2003-2012 ^c | | | Trend 2003-2012 ^d | | |
| | Rate per 100,000 persons | | | AAPC (%) | | | AAPC (%) | | |
| RACE/ETHNICITY | Total | Males | Females | Total | Males | Females | Total | Males | Females |
| All Races | 7.4 | 10.1 | 5.3 | -1.2* | -1.7* | -0.7* | -1.5* | -1.8* | -0.8* |
| White | 6.6 | 9.2 | 4.5 | -1.1* | -1.6* | -0.7* | -0.9* | -1.8* | -1.0* |
| White Hispanic ^e | 11.3 | 14.8 | 8.7 | -1.3* | -1.8* | -1.0* | - | - | - |
| White Non-Hispanic ^e | 5.8 | 8.3 | 3.7 | -1.5* | -1.9* | -1.3* | - | - | - |
| Black | 10.9 | 14.6 | 8.4 | -1.6* | -2.2* | -0.9* | -1.4* | -2.0* | -0.8* |
| Asian/Pacific Islander | 11.2 | 14.5 | 8.8 | -3.0* | -3.1* | -2.8* | - | - | - |
| Amer Ind/Alaska Nat ^f | 9.5 | 12.3 | 7.5 | -0.5 | -0.7 | 0.1 | - | - | - |
| Hispanic ^e | 10.9 | 14.2 | 8.4 | -1.4* | -1.8* | -1.0* | - | - | - |
| <u>U.S. Mortality^g</u> | | | | | | | | | |
| | Rate 2008-2012 | | | Trend 2003-2012 ^h | | | | | |
| | Rate per 100,000 persons | | | AAPC (%) | | | | | |
| RACE/ETHNICITY | Total | Males | Females | Total | Males | Females | | | |
| All Races | 3.4 | 4.6 | 2.4 | -2.7* | -3.1* | -2.6* | | | |
| White | 2.9 | 4.0 | 2.1 | -3.1* | -3.2* | -2.7* | | | |
| White Hispanic ^e | 5.8 | 7.7 | 4.5 | -2.1* | -2.4* | -1.9* | | | |
| White Non-Hispanic ^e | 2.6 | 3.6 | 1.8 | -3.3* | -3.6* | -3.2* | | | |
| Black | 6.3 | 9.2 | 4.4 | -3.3* | -3.2* | -3.0* | | | |
| Asian/Pacific Islander | 6.0 | 7.9 | 4.7 | -3.7* | -3.7* | -3.6* | | | |
| Amer Ind/Alaska Nat | | | | | | | | | |
| Total U.S. | 3.5 | 4.9 | 2.4 | -3.0* | -2.7* | -3.7* | | | |
| CHSDA Counties | 5.2 | 7.4 | 3.6 | -2.0* | -1.8* | -4.7* | | | |
| Non-CHSDA Counties | 1.6 | 2.1 | 1.1 | -4.5* | -3.4* | -6.3* | | | |
| Hispanic ^e | 5.5 | 7.2 | 4.2 | -2.2* | -2.5* | -2.0* | | | |

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute.

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

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

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

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

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

The SEER 18 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, and Georgia excluding ATL/RG.

c The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over diagnosis years 1992-2012.

d The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2012.

e Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The 2003-2012 Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.

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

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

h The 2003-2012 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2012.

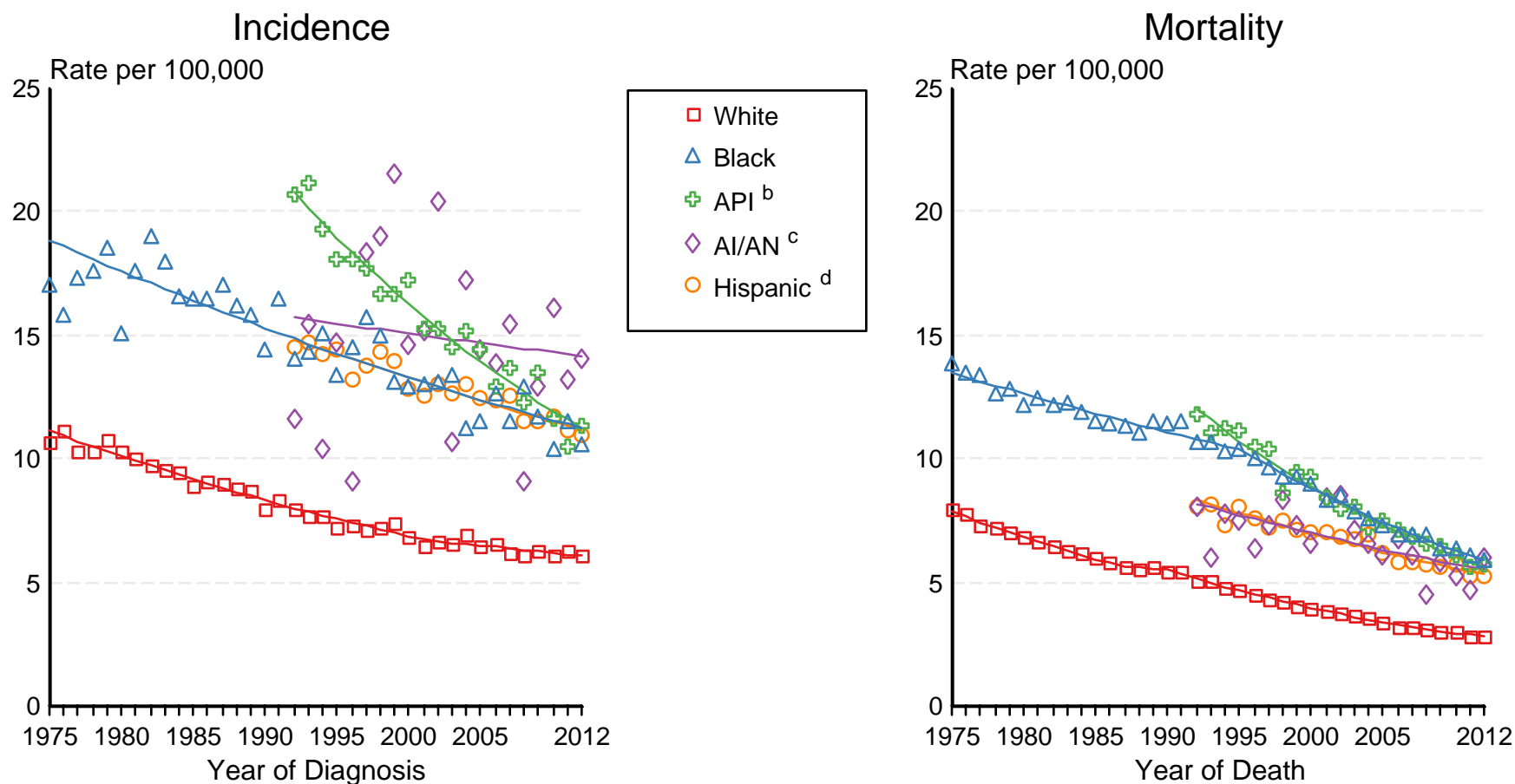
* The APC is significantly different from zero (p<.05).

Figure 24.2

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

Joinpoint Analyses for Whites and Blacks from 1975-2012

and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2012



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

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

Regression lines are calculated using the Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2012 period allow a maximum of 5 joinpoints. Analyses for other ethnic groups during the period 1992-2012 allow a maximum of 3 joinpoints.

^b API = Asian/Pacific Islander.

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

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

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 18 Areas ^b | SEER 13 Areas ^b | SEER 9 Areas ^b |
|-----------------------------------|----------------------------|------------------------------|------------------------------|
| | Rate 2008-2012 | Trend 2003-2012 ^c | Trend 2003-2012 ^d |
| | Rate per 100,000 persons | AAPC (%) | AAPC (%) |
| RACE/ETHNICITY | Males | Males | Males |
| All Races | 5.6 | 1.1* | 0.8* |
| White | 6.7 | 1.2* | 1.0* |
| White Hispanic ^e | 5.2 | 3.0* | - |
| White Non-Hispanic ^e | 7.2 | 0.0 | - |
| Black | 1.5 | 0.5 | 2.0* |
| Asian/Pacific Islander | 2.0 | 1.1* | - |
| Amer Ind/Alaska Nat ^f | 4.8 | 3.0* | - |
| Hispanic ^e | 4.9 | 2.7* | - |
| <u>U.S. Mortality^g</u> | | | |
| | Rate 2008-2012 | Trend 2003-2012 ^h | |
| | Rate per 100,000 persons | AAPC (%) | |
| RACE/ETHNICITY | Males | Males | |
| All Races | 0.3 | -0.5* | |
| White | 0.3 | -0.3 | |
| White Hispanic ^e | 0.3 | 1.1 | |
| White Non-Hispanic ^e | 0.3 | -0.7* | |
| Black | 0.1 | -0.6 | |
| Asian/Pacific Islander | 0.1 | 0.5 | |
| Amer Ind/Alaska Nat | | | |
| Total U.S. | 0.2 | - | |
| CHSDA Counties | 0.3 | - | |
| Non-CHSDA 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 4.2.0, April 2015, National Cancer Institute.

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

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

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

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

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

The SEER 18 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, and Georgia excluding ATL/RG.

^c The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over diagnosis years 1992-2012.

^d The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2012.

^e Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The 2003-2012 Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.

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

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

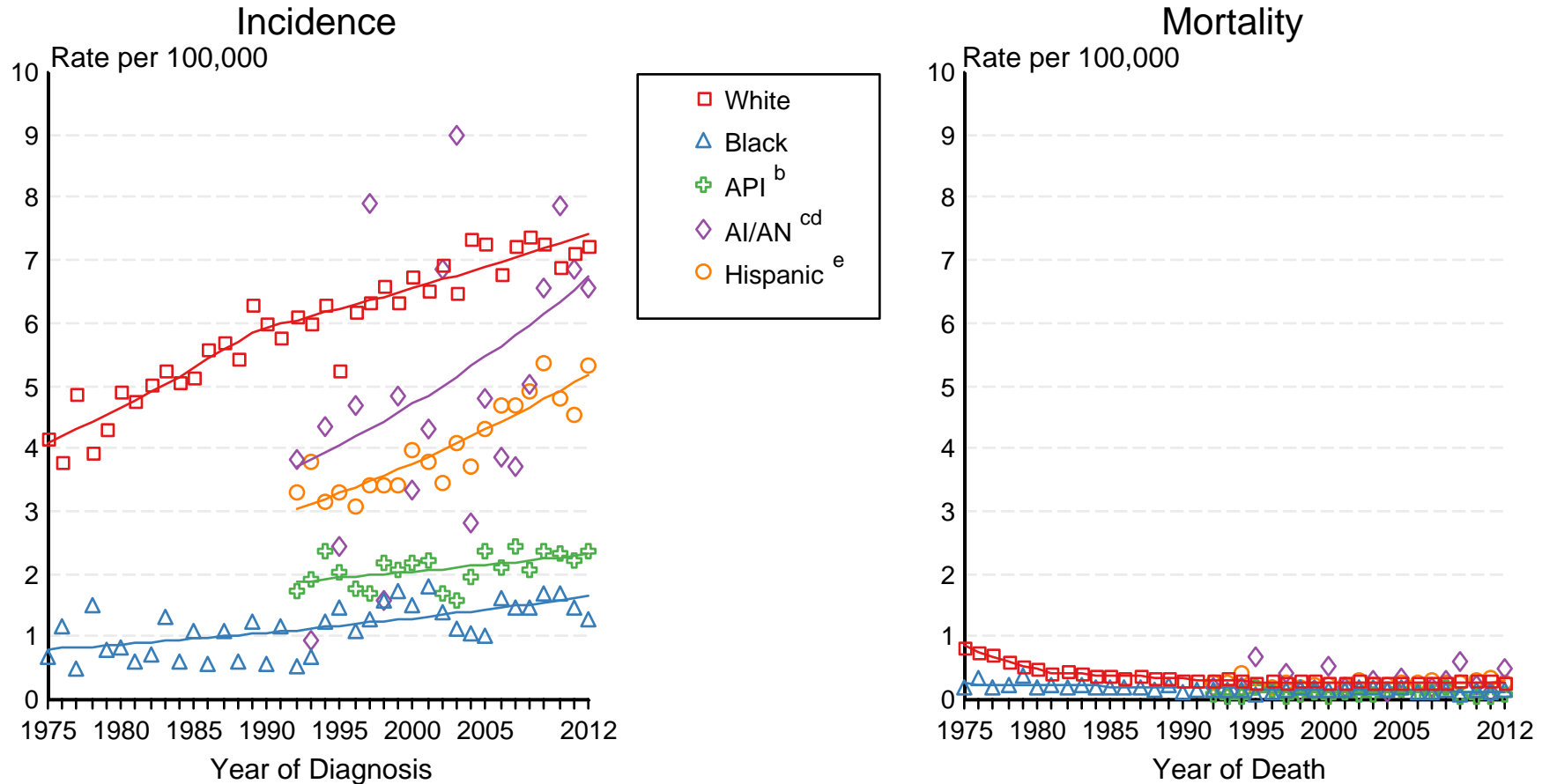
^h The 2003-2012 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2012.

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

Figure 25.3

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

Joinpoint Analyses for Whites and Blacks from 1975-2012
and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2012



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

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

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

^a Regression lines are calculated using the Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2012 period allow a maximum of 5 joinpoints. Analyses for other ethnic groups during the period 1992-2012 allow a maximum of 3 joinpoints.

^b API = Asian/Pacific Islander.

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

^d Joinpoint could not fit a regression line for American Indian/Alaska Native Mortality due to insufficient data.

^e Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from New Hampshire and Oklahoma.

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 18 Areas ^b | | | SEER 13 Areas ^b | | | SEER 9 Areas ^b | | |
|-----------------------------------|----------------------------|-------|---------|------------------------------|-------|---------|------------------------------|-------|---------|
| | Rate 2008-2012 | | | Trend 2003-2012 ^c | | | Trend 2003-2012 ^d | | |
| | Rate per 100,000 persons | | | AAPC (%) | | | AAPC (%) | | |
| RACE/ETHNICITY | Total | Males | Females | Total | Males | Females | Total | Males | Females |
| All Races | 13.5 | 6.7 | 20.0 | 4.9* | 5.2* | 5.0* | 5.0* | 5.4* | 5.0* |
| White | 14.3 | 7.2 | 21.3 | 4.8* | 5.3* | 4.8* | 4.9* | 5.6* | 4.9* |
| White Hispanic ^e | 12.1 | 5.1 | 19.0 | 5.0* | 4.9* | 4.6* | - | - | - |
| White Non-Hispanic ^e | 15.1 | 7.8 | 22.3 | 4.9* | 5.7* | 5.0* | - | - | - |
| Black | 8.0 | 3.5 | 11.8 | 6.5* | 5.2* | 6.5* | 6.2* | 3.1* | 6.3* |
| Asian/Pacific Islander | 13.2 | 6.2 | 19.3 | 4.7* | 6.2* | 4.6* | - | - | - |
| Amer Ind/Alaska Nat ^f | 8.5 | 3.7 | 12.9 | 3.9* | 3.3 | 3.8* | - | - | - |
| Hispanic ^e | 11.5 | 4.8 | 18.1 | 4.9* | 4.9* | 5.1* | - | - | - |
| <u>U.S. Mortality^g</u> | | | | | | | | | |
| RACE/ETHNICITY | Rate 2008-2012 | | | Trend 2003-2012 ^h | | | | | |
| | Rate per 100,000 persons | | | AAPC (%) | | | | | |
| | Total | Males | Females | Total | Males | Females | | | |
| All Races | 0.5 | 0.5 | 0.5 | 0.8* | 1.5* | -0.5 | | | |
| White | 0.5 | 0.5 | 0.5 | 0.7* | 1.5* | -0.5 | | | |
| White Hispanic ^e | 0.6 | 0.5 | 0.7 | 0.2 | 1.3 | -0.4 | | | |
| White Non-Hispanic ^e | 0.5 | 0.5 | 0.5 | 0.7* | 1.5* | -0.7 | | | |
| Black | 0.5 | 0.4 | 0.6 | 0.9* | 1.5* | 0.7 | | | |
| Asian/Pacific Islander | 0.7 | 0.5 | 0.8 | -0.2 | 0.5 | -0.9 | | | |
| Amer Ind/Alaska Nat | | | | | | | | | |
| Total U.S. | 0.3 | - | 0.3 | 0.5 | - | -2.0 | | | |
| CHSDA Counties | 0.4 | - | 0.5 | 0.6 | - | -1.2 | | | |
| Non-CHSDA Counties | - | - | - | - | - | - | | | |
| Hispanic ^e | 0.6 | 0.5 | 0.7 | 0.0 | -2.2 | -0.6 | | | |

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute.

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

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

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

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

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

The SEER 18 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, and Georgia excluding ATL/RG.

c The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over diagnosis years 1992-2012.

d The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2012.

e Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The 2003-2012 Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.

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

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

h The 2003-2012 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2012.

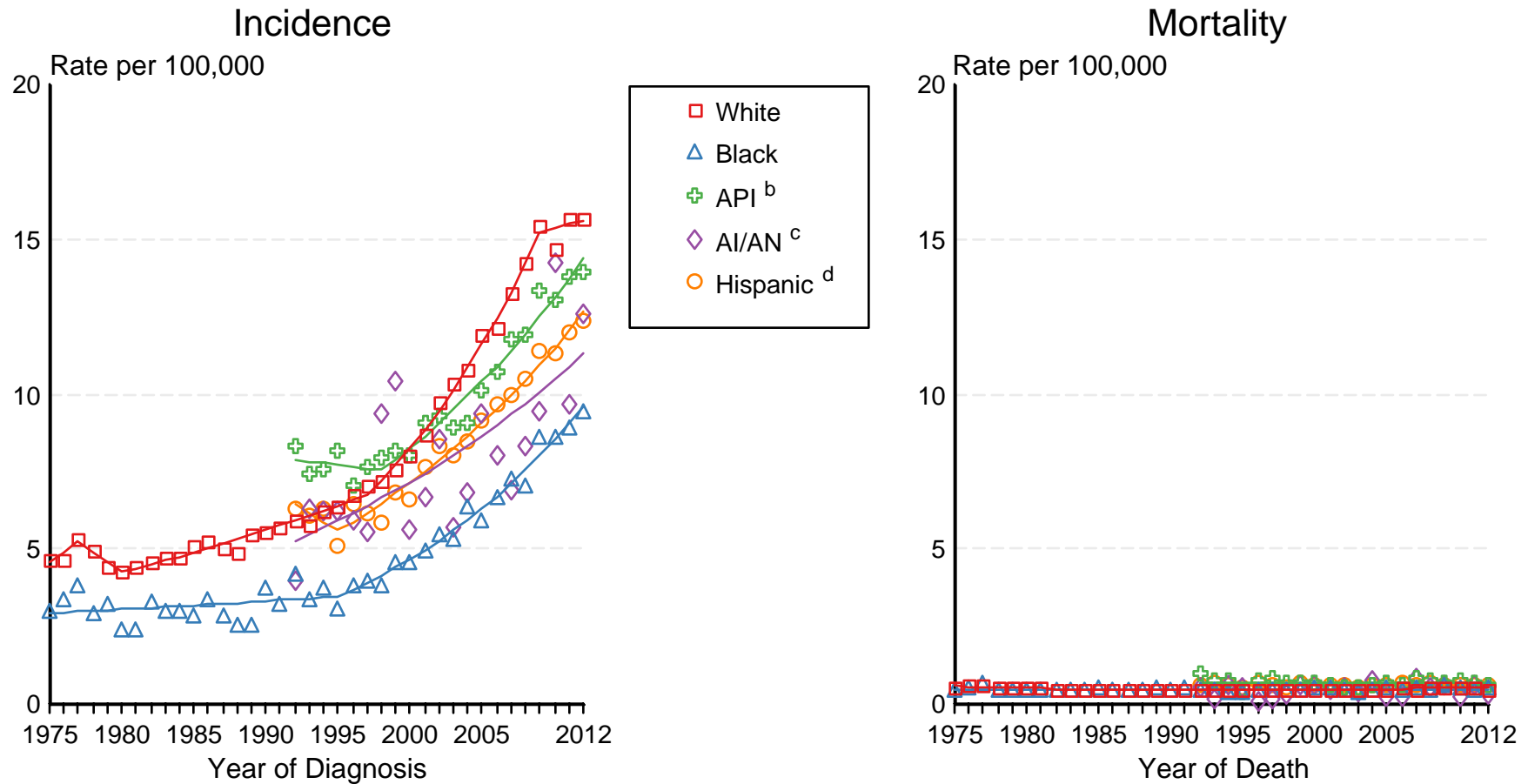
* The APC is significantly different from zero (p<.05).

Figure 26.2

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

Joinpoint Analyses for Whites and Blacks from 1975-2012

and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2012



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

- ^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines are calculated using the Joinpoint Regression Program Version 4.1.0, April 2014, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2012 period allow a maximum of 5 joinpoints. Analyses for other ethnic groups during the period 1992-2012 allow a maximum of 3 joinpoints.
- ^b API = Asian/Pacific Islander.
- ^c AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- ^d Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from New Hampshire and Oklahoma.

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 18 Areas ^b | | | SEER 13 Areas ^b | | | SEER 9 Areas ^b | | |
|-----------------------------------|----------------------------|-------|---------|------------------------------|-------|---------|------------------------------|-------|---------|
| | Rate 2008-2012 | | | Trend 2003-2012 ^c | | | Trend 2003-2012 ^d | | |
| | Rate per 100,000 persons | | | AAPC (%) | | | AAPC (%) | | |
| RACE/ETHNICITY | Total | Males | Females | Total | Males | Females | Total | Males | Females |
| All Races | 20.3 | 35.8 | 8.7 | -0.8* | -0.9* | -1.1* | -0.6* | -0.7* | -1.0* |
| White | 22.2 | 39.0 | 9.4 | -0.6* | -0.8* | -1.0* | -0.5* | -0.7* | -1.0* |
| White Hispanic ^e | 11.5 | 20.2 | 5.2 | -0.2 | -0.2 | -0.4 | - | - | - |
| White Non-Hispanic ^e | 23.8 | 41.7 | 10.1 | -0.5* | -0.6* | -0.9* | - | - | - |
| Black | 12.6 | 21.4 | 6.9 | 0.2 | 0.5* | -2.7* | 0.2* | 0.4* | -2.7 |
| Asian/Pacific Islander | 9.0 | 15.8 | 4.0 | -1.3* | -1.4 | -0.1 | - | - | - |
| Amer Ind/Alaska Nat ^f | 8.5 | 15.6 | 3.4 | 1.5 | 1.7 | 4.2 | - | - | - |
| Hispanic ^e | 11.2 | 19.6 | 5.1 | -0.2 | -0.2 | -0.4 | - | - | - |
| <u>U.S. Mortality^g</u> | | | | | | | | | |
| | Rate 2008-2012 | | | Trend 2003-2012 ^h | | | | | |
| | Rate per 100,000 persons | | | AAPC (%) | | | | | |
| RACE/ETHNICITY | Total | Males | Females | Total | Males | Females | | | |
| All Races | 4.4 | 7.7 | 2.2 | 0.0 | 0.0 | -0.5* | | | |
| White | 4.6 | 8.1 | 2.2 | 0.3* | 0.2* | -0.3* | | | |
| White Hispanic ^e | 2.4 | 4.1 | 1.3 | 0.0 | -0.3 | 0.1 | | | |
| White Non-Hispanic ^e | 4.8 | 8.4 | 2.3 | 0.3* | 0.3* | -0.2* | | | |
| Black | 3.5 | 5.3 | 2.5 | -1.0* | -0.8* | -1.2* | | | |
| Asian/Pacific Islander | 1.7 | 3.0 | 0.9 | -0.7 | 0.1 | -1.6* | | | |
| Amer Ind/Alaska Nat | | | | | | | | | |
| Total U.S. | 2.0 | 3.3 | 1.1 | 1.4 | 2.0* | -0.4 | | | |
| CHSDA Counties | 2.3 | 4.2 | 1.1 | 2.5* | 4.2* | - | | | |
| Non-CHSDA Counties | 1.6 | 2.2 | 1.1 | -0.4 | -0.8 | - | | | |
| Hispanic ^e | 2.3 | 3.9 | 1.3 | -0.2 | -0.4 | 0.0 | | | |

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute.

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

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

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

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

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

The SEER 18 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey, and Georgia excluding ATL/RG.

c The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over diagnosis years 1992-2012.

d The 2003-2012 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2012.

e Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The 2003-2012 Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.

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

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

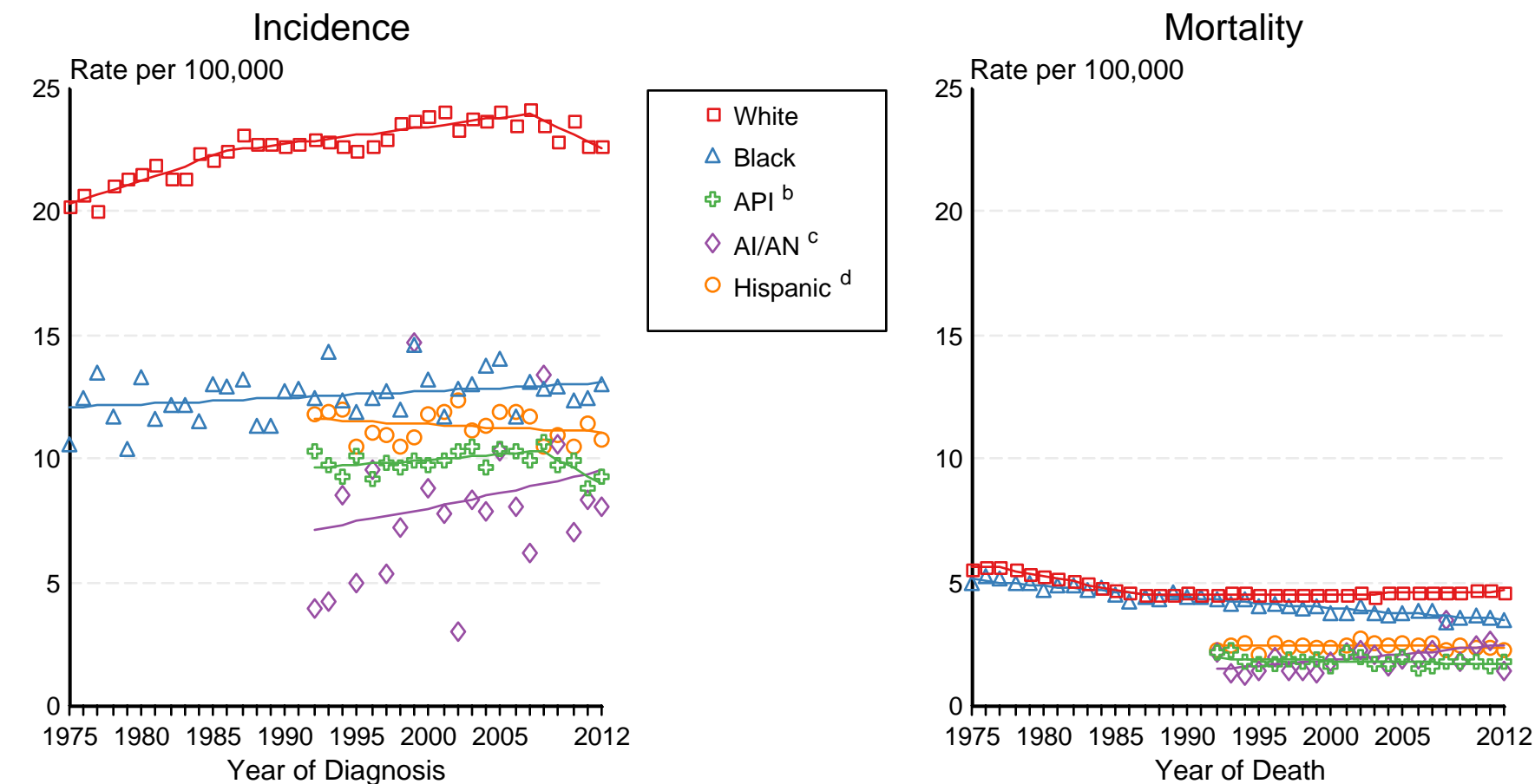
h The 2003-2012 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2012.

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

Figure 27.2

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

Joinpoint Analyses for Whites and Blacks from 1975-2012
and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2012



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

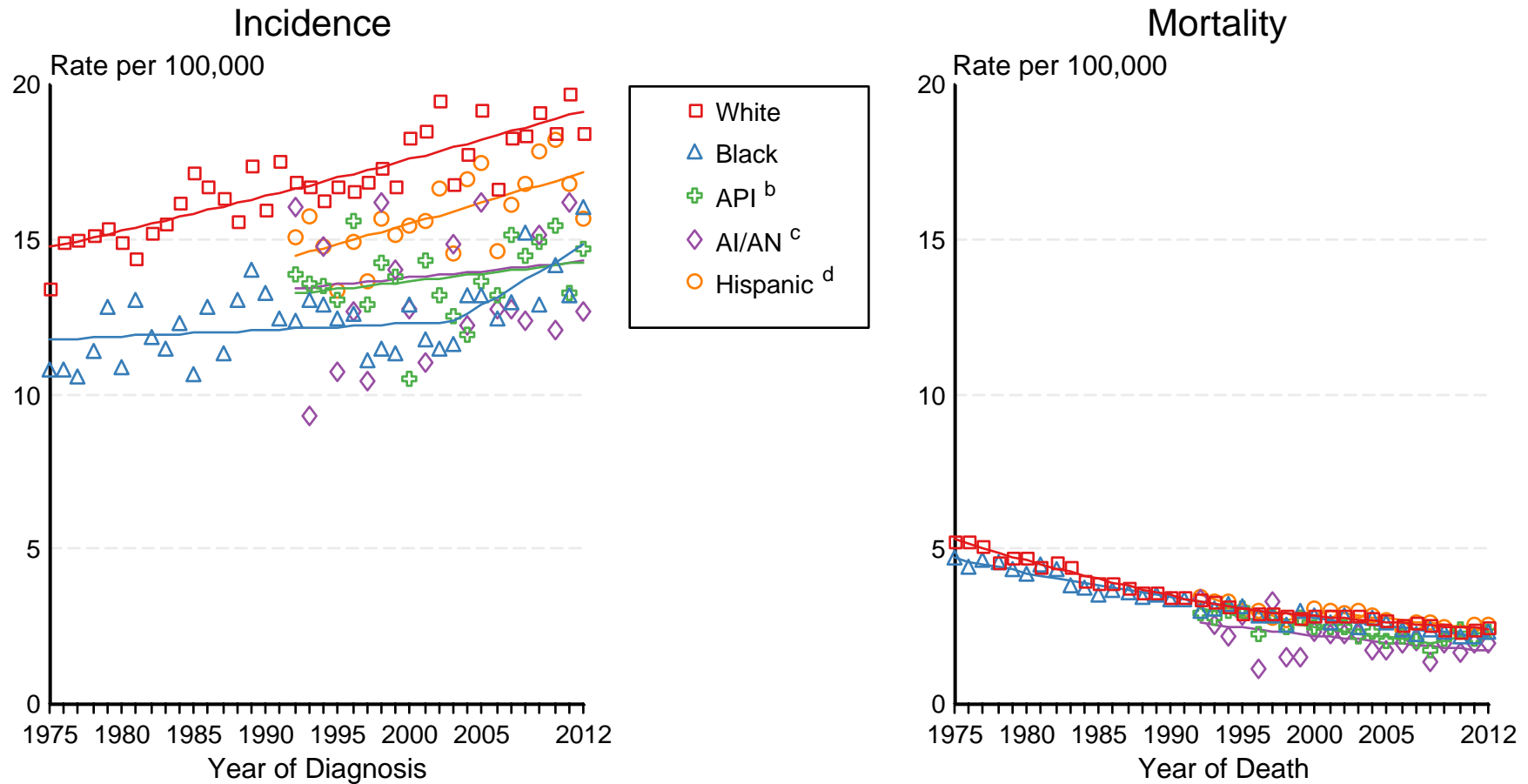
- ^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines are calculated using the Joinpoint Regression Program Version 4.1.0, April 2014, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2012 period allow a maximum of 5 joinpoints. Analyses for other ethnic groups during the period 1992-2012 allow a maximum of 3 joinpoints.
- ^b API = Asian/Pacific Islander.
- ^c AI/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- ^d Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from New Hampshire and Oklahoma.

Figure 28.3

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

Joinpoint Analyses for Whites and Blacks from 1975-2012

and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2012



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

^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines are calculated using the Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2012 period allow a maximum of 5 joinpoints. Analyses for other ethnic groups during the period 1992-2012 allow a maximum of 3 joinpoints.

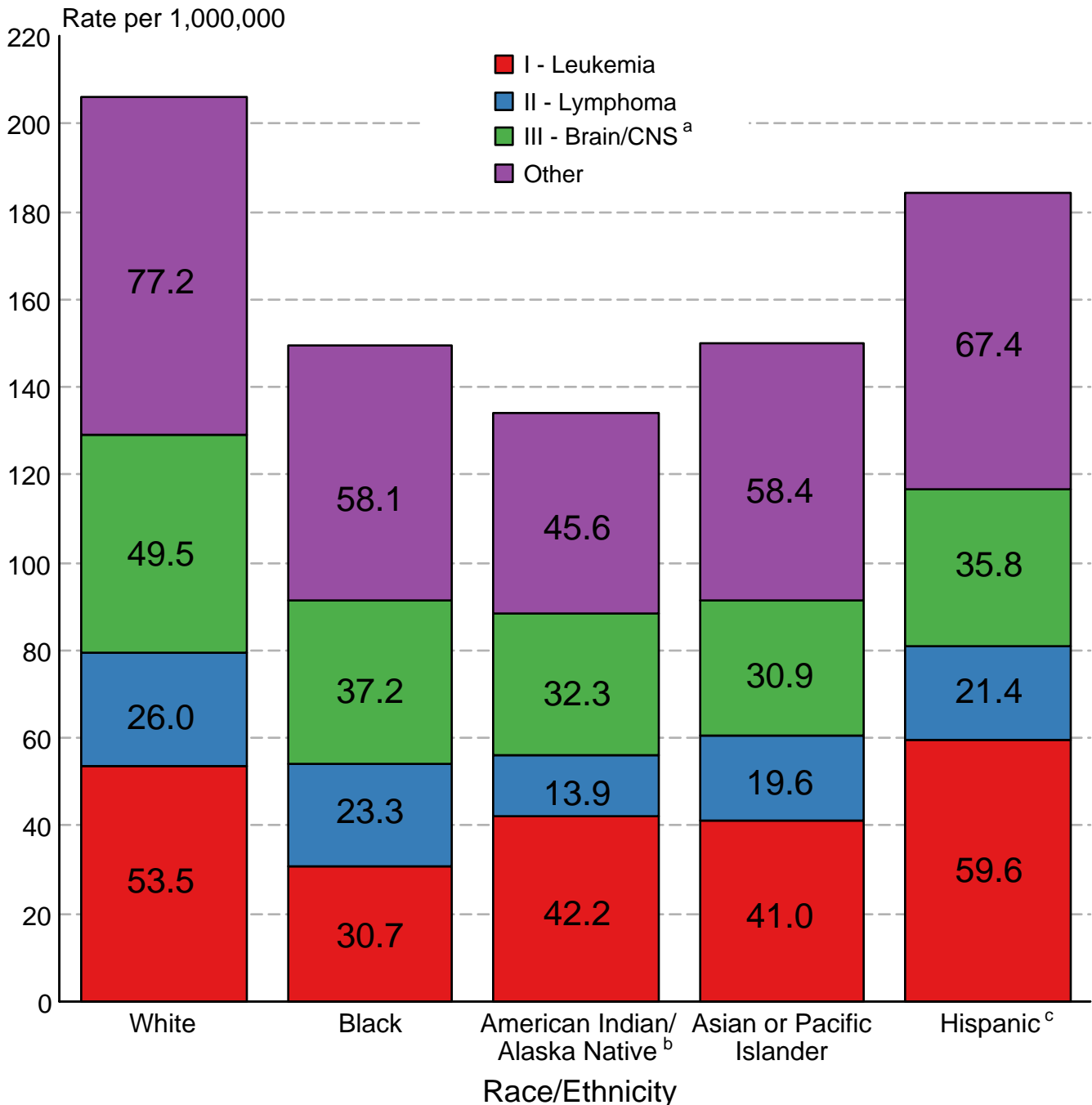
^b API = Asian/Pacific Islander.

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

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

Figure 29.2

Childhood Cancer: SEER Incidence Rates 2008- 2012 by ICCC Group and Race/Ethnicity (includes myelodysplastic syndromes and Group III benign brain) Both Sexes, Under 20 Years of Age



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). 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.

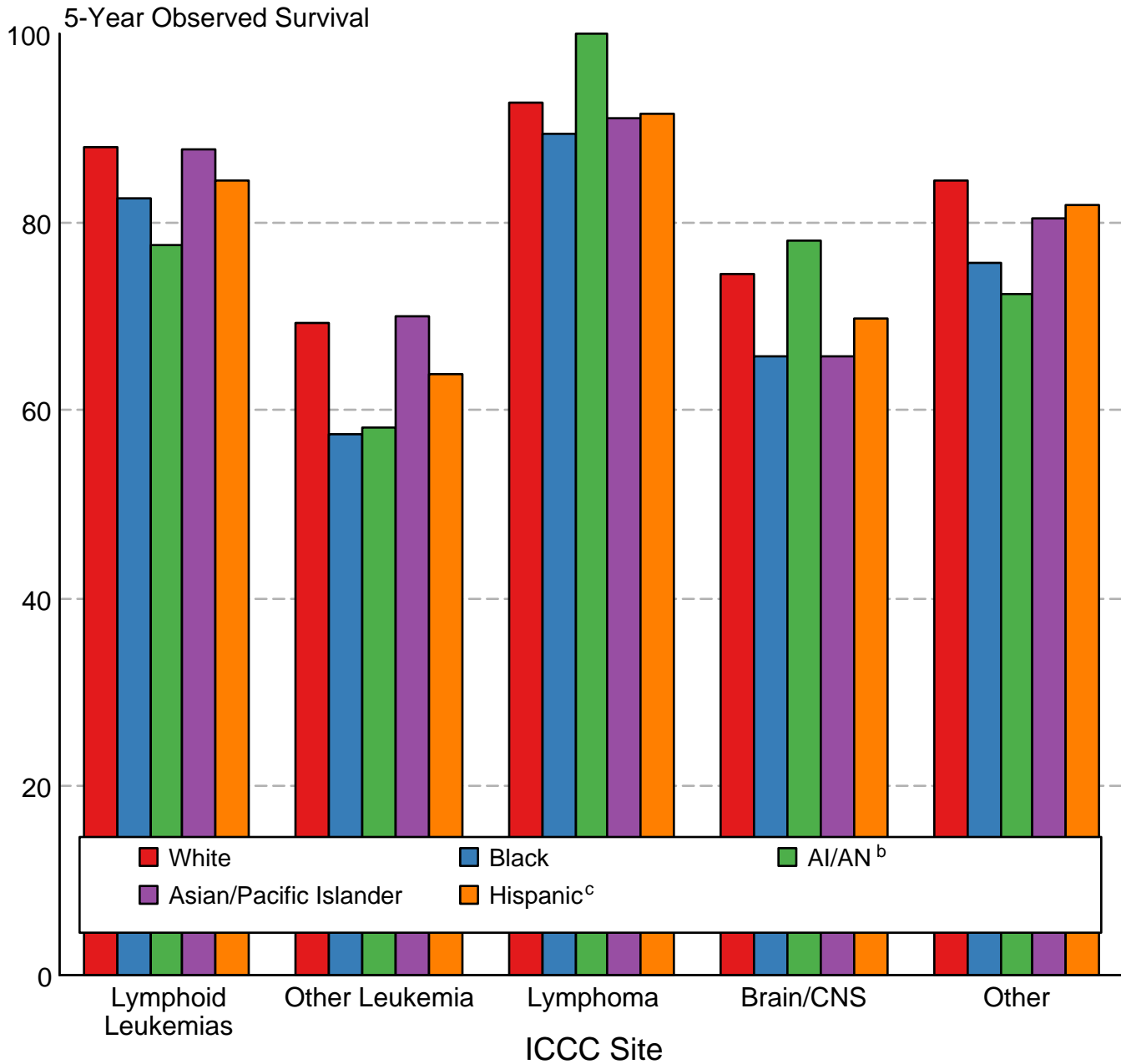
^a Rate for Group III (Brain/CNS) includes benign brain tumors.

^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.

Figure 29.3

Childhood Cancer 5-Year Observed Survival (%) by ICCC Group^a and Race/Ethnicity Both Sexes, Under 20 Years of Age, 2005-2011



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 syndromes (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.