

Table 2.1
All Cancer Sites (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program,
1975-2008 With up to Five Joinpoints, 1992-2008 With up to Three Joinpoints,
Both Sexes by Race/Ethnicity

| | JP Trend 1 | | JP Trend 2 | | JP Trend 3 | | JP Trend 4 | | JP Trend 5 | | JP Trend 6 | | AAPC ^d | |
|--|------------|-------|------------|-------|------------|-------|------------|-------|------------|-------|------------|-------|-------------------|---------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 1999-08 | 2004-08 |
| <u>SEER 9 Delay-Adjusted Incidence^a, 1975-2008</u> | | | | | | | | | | | | | | |
| All Races | 1975-89 | 1.2* | 1989-92 | 2.8 | 1992-95 | -2.4 | 1995-98 | 1.2 | 1998-08 | -0.4* | | | -0.4* | -0.4* |
| White | 1975-82 | 0.8* | 1982-92 | 1.8* | 1992-95 | -2.1 | 1995-98 | 1.5 | 1998-08 | -0.4* | | | -0.4* | -0.4* |
| Black | 1975-84 | 1.6* | 1984-89 | 0.4 | 1989-92 | 4.1* | 1992-06 | -0.8* | 2006-08 | 1.5 | | | -0.2 | 0.4 |
| <u>SEER 13 Delay-Adjusted Incidence^b, 1992-2008</u> | | | | | | | | | | | | | | |
| All Races | 1992-94 | -3.2* | 1994-99 | 0.4 | 1999-05 | -0.8* | 2005-08 | 0.1 | | | | | -0.5 | -0.1 |
| White | 1992-94 | -3.1* | 1994-01 | 0.4 | 2001-04 | -1.4 | 2004-08 | 0.1 | | | | | -0.3 | 0.1 |
| Black | 1992-08 | -0.7* | | | | | | | | | | | -0.7* | -0.7* |
| <u>SEER 9 Observed Incidence^a, 1975-2008</u> | | | | | | | | | | | | | | |
| All Races | 1975-89 | 1.2* | 1989-92 | 2.8 | 1992-95 | -2.4 | 1995-99 | 0.8 | 1999-08 | -0.6* | | | -0.6* | -0.6* |
| White | 1975-82 | 0.9* | 1982-92 | 1.8* | 1992-95 | -2.1 | 1995-99 | 1.1 | 1999-08 | -0.7* | | | -0.7* | -0.7* |
| Black | 1975-89 | 1.2* | 1989-92 | 3.4 | 1992-08 | -0.8* | | | | | | | -0.8* | -0.8* |
| <u>SEER 13 Observed Incidence^b, 1992-2008</u> | | | | | | | | | | | | | | |
| All Races | 1992-94 | -3.1* | 1994-99 | 0.3 | 1999-08 | -0.7* | | | | | | | -0.7* | -0.7* |
| White | 1992-94 | -3.3* | 1994-99 | 0.6 | 1999-08 | -0.7* | | | | | | | -0.7* | -0.7* |
| White NH ^{ef} | 1992-94 | -3.2* | 1994-99 | 0.7 | 1999-08 | -0.6* | | | | | | | -0.6* | -0.6* |
| Black | 1992-08 | -0.8* | | | | | | | | | | | -0.8* | -0.8* |
| Black NH ^{ef} | 1992-08 | -0.8* | | | | | | | | | | | -0.8* | -0.8* |
| API ^e | 1992-08 | -0.4* | | | | | | | | | | | -0.4* | -0.4* |
| AI/AN ^{eg} | 1992-08 | 0.0 | | | | | | | | | | | 0.0 | 0.0 |
| Hispanic ^f | 1992-08 | -0.4* | | | | | | | | | | | -0.4* | -0.4* |
| <u>U.S. Cancer Mortality^c, 1975-2008</u> | | | | | | | | | | | | | | |
| All Races | 1975-84 | 0.5* | 1984-91 | 0.3* | 1991-94 | -0.5 | 1994-98 | -1.3* | 1998-01 | -0.8 | 2001-08 | -1.6* | -1.4* | -1.6* |
| White | 1975-90 | 0.4* | 1990-94 | -0.3 | 1994-98 | -1.2* | 1998-01 | -0.6 | 2001-08 | -1.5* | | | -1.3* | -1.5* |
| Black | 1975-83 | 1.3* | 1983-91 | 0.7* | 1991-95 | -0.8* | 1995-02 | -1.6* | 2002-08 | -2.1* | | | -1.9* | -2.1* |
| <u>U.S. Cancer Mortality^c, 1992-2008</u> | | | | | | | | | | | | | | |
| All Races | 1992-01 | -1.0* | 2001-08 | -1.6* | | | | | | | | | -1.4* | -1.6* |
| White | 1992-01 | -0.9* | 2001-08 | -1.5* | | | | | | | | | -1.3* | -1.5* |
| White NH ^{ef} | 1992-94 | -0.1 | 1994-97 | -1.4* | 1997-00 | -0.4 | 2000-08 | -1.3* | | | | | -1.2* | -1.3* |
| Black | 1992-94 | -0.4 | 1994-02 | -1.6* | 2002-08 | -2.1* | | | | | | | -1.9* | -2.1* |
| Black NH ^{ef} | 1992-02 | -1.3* | 2002-08 | -2.1* | | | | | | | | | -1.8* | -2.1* |
| API ^e | 1992-08 | -1.5* | | | | | | | | | | | -1.5* | -1.5* |
| AI/AN ^{eg} | 1992-08 | -0.1 | | | | | | | | | | | -0.1 | -0.1 |
| Hispanic ^f | 1992-00 | -0.4* | 2000-08 | -1.9* | | | | | | | | | -1.8* | -1.9* |

Joinpoint Regression Program Version 3.5, April 2011, National Cancer Institute. (<http://surveillance.cancer.gov/joinpoint/>).

The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).

Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.

The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.

API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic

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 Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.

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

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

- Joinpoint regression line analysis could not be performed on data series.

Table 2.2
All Cancer Sites (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program,
1975-2008 With up to Five Joinpoints, 1992-2008 With up to Three Joinpoints,
Males by Race/Ethnicity

| | JP Trend 1 | | JP Trend 2 | | JP Trend 3 | | JP Trend 4 | | JP Trend 5 | | JP Trend 6 | | AAPC ^d | |
|--|------------|-------|------------|-------|------------|-------|------------|-------|------------|-------|------------|-------|-------------------|---------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 1999-08 | 2004-08 |
| <u>SEER 9 Delay-Adjusted Incidence^a, 1975-2008</u> | | | | | | | | | | | | | | |
| All Races | 1975-89 | 1.3* | 1989-92 | 5.2* | 1992-95 | -4.8* | 1995-00 | 0.4 | 2000-08 | -0.8* | | | -0.7* | -0.8* |
| White | 1975-89 | 1.4* | 1989-92 | 5.0* | 1992-95 | -5.1* | 1995-00 | 0.7 | 2000-08 | -0.8* | | | -0.6* | -0.8* |
| Black | 1975-81 | 2.8* | 1981-89 | 0.7 | 1989-92 | 6.6* | 1992-06 | -1.5* | 2006-08 | 2.1 | | | -0.7 | 0.3 |
| <u>SEER 13 Delay-Adjusted Incidence^b, 1992-2008</u> | | | | | | | | | | | | | | |
| All Races | 1992-94 | -5.6* | 1994-08 | -0.6* | | | | | | | | | -0.6* | -0.6* |
| White | 1992-94 | -6.6* | 1994-01 | -0.1 | 2001-08 | -0.9* | | | | | | | -0.7* | -0.9* |
| Black | 1992-08 | -1.4* | | | | | | | | | | | -1.4* | -1.4* |
| <u>SEER 9 Observed Incidence^a, 1975-2008</u> | | | | | | | | | | | | | | |
| All Races | 1975-89 | 1.3* | 1989-92 | 5.2* | 1992-95 | -4.8* | 1995-00 | 0.4 | 2000-08 | -1.0* | | | -0.8* | -1.0* |
| White | 1975-89 | 1.4* | 1989-92 | 5.0* | 1992-95 | -5.1* | 1995-00 | 0.7 | 2000-08 | -1.1* | | | -0.9* | -1.1* |
| Black | 1975-81 | 2.8* | 1981-89 | 0.7 | 1989-92 | 6.4 | 1992-08 | -1.5* | | | | | -1.5* | -1.5* |
| <u>SEER 13 Observed Incidence^b, 1992-2008</u> | | | | | | | | | | | | | | |
| All Races | 1992-95 | -4.5* | 1995-00 | 0.2 | 2000-08 | -1.1* | | | | | | | -1.0* | -1.1* |
| White | 1992-94 | -6.7* | 1994-01 | -0.1 | 2001-08 | -1.2* | | | | | | | -0.9* | -1.2* |
| White NH ^{ef} | 1992-94 | -6.8* | 1994-01 | 0.0 | 2001-08 | -1.0* | | | | | | | -0.8* | -1.0* |
| Black | 1992-08 | -1.6* | | | | | | | | | | | -1.6* | -1.6* |
| Black NH ^{ef} | 1992-08 | -1.5* | | | | | | | | | | | -1.5* | -1.5* |
| API ^e | 1992-96 | -2.8* | 1996-00 | 0.5 | 2000-08 | -1.1* | | | | | | | -1.0* | -1.1* |
| AI/AN ^{eg} | 1992-08 | -0.7 | | | | | | | | | | | -0.7 | -0.7 |
| Hispanic ^f | 1992-04 | -0.7* | 2004-08 | -2.1* | | | | | | | | | -1.4* | -2.1* |
| <u>U.S. Cancer Mortality^c, 1975-2008</u> | | | | | | | | | | | | | | |
| All Races | 1975-79 | 1.0* | 1979-90 | 0.3* | 1990-93 | -0.5 | 1993-01 | -1.5* | 2001-08 | -1.8* | | | -1.7* | -1.8* |
| White | 1975-79 | 0.9* | 1979-91 | 0.2* | 1991-94 | -0.8 | 1994-97 | -1.7* | 1997-01 | -1.2* | 2001-08 | -1.7* | -1.6* | -1.7* |
| Black | 1975-82 | 1.8* | 1982-90 | 1.0* | 1990-94 | -0.5 | 1994-08 | -2.3* | | | | | -2.3* | -2.3* |
| <u>U.S. Cancer Mortality^c, 1992-2008</u> | | | | | | | | | | | | | | |
| All Races | 1992-01 | -1.4* | 2001-08 | -1.8* | | | | | | | | | -1.7* | -1.8* |
| White | 1992-01 | -1.3* | 2001-08 | -1.7* | | | | | | | | | -1.6* | -1.7* |
| White NH ^{ef} | 1992-02 | -1.3* | 2002-08 | -1.6* | | | | | | | | | -1.5* | -1.6* |
| Black | 1992-94 | -0.2 | 1994-08 | -2.3* | | | | | | | | | -2.3* | -2.3* |
| Black NH ^{ef} | 1992-08 | -2.0* | | | | | | | | | | | -2.0* | -2.0* |
| API ^e | 1992-08 | -1.8* | | | | | | | | | | | -1.8* | -1.8* |
| AI/AN ^{eg} | 1992-08 | -0.2 | | | | | | | | | | | -0.2 | -0.2 |
| Hispanic ^f | 1992-98 | -0.1 | 1998-08 | -2.3* | | | | | | | | | -2.3* | -2.3* |

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All Cancer Sites (Invasive)

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1975-2008 With up to Five Joinpoints, 1992-2008 With up to Three Joinpoints,
Females by Race/Ethnicity

| | JP Trend 1 | | JP Trend 2 | | JP Trend 3 | | JP Trend 4 | | JP Trend 5 | | JP Trend 6 | | AAPC ^d | |
|--|------------|-------|------------|-------|------------|-------|------------|-------|------------|-------|------------|-----|-------------------|---------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 1999-08 | 2004-08 |
| <u>SEER 9 Delay-Adjusted Incidence^a, 1975-2008</u> | | | | | | | | | | | | | | |
| All Races | 1975-79 | -0.3 | 1979-87 | 1.6* | 1987-95 | 0.1 | 1995-98 | 1.5 | 1998-05 | -0.5* | 2005-08 | 0.6 | -0.2 | 0.3 |
| White | 1975-79 | -0.2 | 1979-87 | 1.7* | 1987-95 | 0.1 | 1995-98 | 1.8 | 1998-05 | -0.5* | 2005-08 | 0.5 | -0.2 | 0.3 |
| Black | 1975-90 | 1.2* | 1990-08 | 0.1 | | | | | | | | | 0.1 | 0.1 |
| <u>SEER 13 Delay-Adjusted Incidence^b, 1992-2008</u> | | | | | | | | | | | | | | |
| All Races | 1992-98 | 0.8* | 1998-06 | -0.5* | 2006-08 | 1.1 | | | | | | | -0.2 | 0.3 |
| White | 1992-94 | -0.3 | 1994-98 | 1.5* | 1998-04 | -0.7* | 2004-08 | 0.3 | | | | | -0.3 | 0.3 |
| Black | 1992-08 | 0.1 | | | | | | | | | | | 0.1 | 0.1 |
| <u>SEER 9 Observed Incidence^a, 1975-2008</u> | | | | | | | | | | | | | | |
| All Races | 1975-79 | -0.3 | 1979-87 | 1.6* | 1987-95 | 0.1 | 1995-98 | 1.3 | 1998-08 | -0.4* | | | -0.4* | -0.4* |
| White | 1975-79 | -0.2 | 1979-87 | 1.7* | 1987-95 | 0.1 | 1995-98 | 1.6 | 1998-08 | -0.5* | | | -0.5* | -0.5* |
| Black | 1975-91 | 1.1* | 1991-08 | 0.0 | | | | | | | | | 0.0 | 0.0 |
| <u>SEER 13 Observed Incidence^b, 1992-2008</u> | | | | | | | | | | | | | | |
| All Races | 1992-94 | -0.4 | 1994-98 | 1.2 | 1998-04 | -0.8* | 2004-08 | 0.0 | | | | | -0.4* | 0.0 |
| White | 1992-94 | -0.3 | 1994-98 | 1.4* | 1998-04 | -0.8* | 2004-08 | -0.1 | | | | | -0.5* | -0.1 |
| White NH ^{ef} | 1992-98 | 1.1* | 1998-08 | -0.4* | | | | | | | | | -0.4* | -0.4* |
| Black | 1992-08 | -0.1 | | | | | | | | | | | -0.1 | -0.1 |
| Black NH ^{ef} | 1992-08 | 0.0 | | | | | | | | | | | 0.0 | 0.0 |
| API ^e | 1992-08 | 0.3* | | | | | | | | | | | 0.3* | 0.3* |
| AI/AN ^{eg} | 1992-08 | 0.7* | | | | | | | | | | | 0.7* | 0.7* |
| Hispanic ^f | 1992-08 | 0.1 | | | | | | | | | | | 0.1 | 0.1 |
| <u>U.S. Cancer Mortality^c, 1975-2008</u> | | | | | | | | | | | | | | |
| All Races | 1975-91 | 0.6* | 1991-01 | -0.6* | 2001-08 | -1.5* | | | | | | | -1.3* | -1.5* |
| White | 1975-90 | 0.6* | 1990-94 | -0.2 | 1994-02 | -0.8* | 2002-08 | -1.4* | | | | | -1.2* | -1.4* |
| Black | 1975-92 | 1.0* | 1992-02 | -0.9* | 2002-08 | -1.8* | | | | | | | -1.5* | -1.8* |
| <u>U.S. Cancer Mortality^c, 1992-2008</u> | | | | | | | | | | | | | | |
| All Races | 1992-02 | -0.7* | 2002-08 | -1.6* | | | | | | | | | -1.3* | -1.6* |
| White | 1992-01 | -0.6* | 2001-08 | -1.4* | | | | | | | | | -1.2* | -1.4* |
| White NH ^{ef} | 1992-94 | 0.3 | 1994-98 | -1.0* | 1998-01 | -0.1 | 2001-08 | -1.3* | | | | | -1.1* | -1.3* |
| Black | 1992-02 | -0.8* | 2002-08 | -1.8* | | | | | | | | | -1.5* | -1.8* |
| Black NH ^{ef} | 1992-03 | -0.7* | 2003-08 | -2.0* | | | | | | | | | -1.4* | -2.0* |
| API ^e | 1992-08 | -1.0* | | | | | | | | | | | -1.0* | -1.0* |
| AI/AN ^{eg} | 1992-08 | 0.0 | | | | | | | | | | | 0.0 | 0.0 |
| Hispanic ^f | 1992-01 | -0.3 | 2001-08 | -1.6* | | | | | | | | | -1.3* | -1.6* |

Joinpoint Regression Program Version 3.5, April 2011, National Cancer Institute. (<http://surveillance.cancer.gov/joinpoint/>).

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

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

- Joinpoint regression line analysis could not be performed on data series.

Table 2.4
All Cancer Sites (Invasive)

Delay-adjusted SEER Incidence^a Rates by Year, Race and Sex

| Year of Diagnosis: | All Races | | | Whites | | | Blacks | | |
|--------------------|-----------|--------|---------|--------|--------|---------|--------|--------|---------|
| | Total | Males | Females | Total | Males | Females | Total | Males | Females |
| 1975 | 400.40 | 466.79 | 365.83 | 402.10 | 468.57 | 369.54 | 426.49 | 525.38 | 356.65 |
| 1976 | 407.39 | 481.12 | 367.40 | 409.71 | 481.84 | 373.14 | 427.36 | 553.02 | 340.40 |
| 1977 | 407.74 | 486.48 | 363.73 | 409.30 | 487.09 | 367.91 | 442.59 | 577.58 | 352.01 |
| 1978 | 407.33 | 488.40 | 362.23 | 409.84 | 489.81 | 367.97 | 436.49 | 570.67 | 344.07 |
| 1979 | 412.52 | 496.47 | 365.54 | 414.10 | 497.56 | 369.71 | 451.57 | 589.90 | 359.00 |
| 1980 | 418.04 | 505.78 | 368.10 | 419.48 | 505.19 | 373.36 | 467.50 | 615.13 | 366.56 |
| 1981 | 425.25 | 510.84 | 377.09 | 427.65 | 510.81 | 383.86 | 472.73 | 633.91 | 362.95 |
| 1982 | 424.48 | 511.08 | 376.18 | 427.76 | 512.48 | 383.41 | 465.42 | 621.93 | 359.84 |
| 1983 | 431.20 | 520.01 | 380.80 | 434.47 | 521.07 | 388.03 | 487.13 | 646.05 | 382.14 |
| 1984 | 440.01 | 525.47 | 392.49 | 443.71 | 527.74 | 399.64 | 488.22 | 643.99 | 386.11 |
| 1985 | 448.89 | 531.27 | 403.19 | 453.53 | 533.59 | 411.60 | 489.13 | 643.70 | 388.27 |
| 1986 | 451.40 | 538.27 | 402.30 | 456.05 | 542.99 | 409.12 | 494.12 | 644.51 | 396.58 |
| 1987 | 468.07 | 563.21 | 413.34 | 475.04 | 568.95 | 423.48 | 501.26 | 666.47 | 394.28 |
| 1988 | 463.89 | 558.50 | 409.23 | 470.47 | 565.37 | 417.95 | 504.09 | 657.65 | 404.59 |
| 1989 | 467.81 | 567.06 | 408.40 | 475.34 | 573.74 | 418.78 | 492.93 | 661.73 | 384.82 |
| 1990 | 482.00 | 592.80 | 415.50 | 489.11 | 599.62 | 424.98 | 521.65 | 700.01 | 408.41 |
| 1991 | 503.17 | 637.62 | 419.04 | 510.79 | 644.94 | 428.71 | 549.65 | 765.38 | 413.24 |
| 1992 | 510.74 | 658.30 | 415.00 | 517.23 | 663.85 | 423.87 | 568.99 | 808.93 | 413.70 |
| 1993 | 493.59 | 622.29 | 408.50 | 497.46 | 620.81 | 417.57 | 568.96 | 819.32 | 404.42 |
| 1994 | 483.66 | 589.87 | 413.68 | 487.93 | 588.13 | 423.53 | 558.33 | 783.76 | 409.43 |
| 1995 | 477.03 | 571.69 | 415.00 | 482.68 | 570.82 | 426.57 | 542.74 | 748.42 | 405.05 |
| 1996 | 479.38 | 572.76 | 418.28 | 485.50 | 574.66 | 428.72 | 540.77 | 727.24 | 417.30 |
| 1997 | 486.78 | 575.99 | 428.74 | 494.45 | 577.57 | 441.88 | 541.13 | 740.58 | 411.01 |
| 1998 | 488.44 | 573.01 | 434.04 | 497.65 | 577.51 | 447.63 | 535.55 | 721.78 | 415.77 |
| 1999 | 491.04 | 581.33 | 430.97 | 499.88 | 584.28 | 444.74 | 540.83 | 723.15 | 421.13 |
| 2000 | 486.59 | 580.29 | 422.62 | 497.76 | 585.12 | 439.14 | 528.18 | 713.94 | 403.97 |
| 2001 | 490.24 | 581.19 | 427.67 | 502.30 | 588.65 | 443.78 | 521.34 | 700.02 | 401.15 |
| 2002 | 487.99 | 574.80 | 428.66 | 498.94 | 582.52 | 442.31 | 536.57 | 702.52 | 426.39 |
| 2003 | 475.41 | 559.86 | 417.61 | 486.92 | 566.08 | 433.45 | 520.05 | 683.80 | 411.58 |
| 2004 | 475.97 | 557.44 | 419.91 | 487.07 | 564.55 | 434.08 | 523.39 | 685.07 | 417.46 |
| 2005 | 470.92 | 546.56 | 418.98 | 483.44 | 556.26 | 434.04 | 507.05 | 642.33 | 418.12 |
| 2006 | 473.74 | 551.48 | 419.00 | 485.52 | 559.15 | 434.15 | 508.12 | 644.85 | 414.97 |
| 2007 | 478.96 | 561.34 | 420.20 | 489.76 | 567.87 | 434.53 | 519.03 | 671.11 | 415.28 |
| 2008 | 473.95 | 543.09 | 425.73 | 484.72 | 549.08 | 440.56 | 523.08 | 671.37 | 422.91 |

Additional information on the model used to delay-adjust SEER Incidence rates can be found at [\(http://surveillance.cancer.gov/delay/\)](http://surveillance.cancer.gov/delay/).

^a SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).
Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).
- Delay-adjusted rate is not shown for observed rates based on less than 16 cases for the time interval.

Table 2.5
All Cancer Sites (Invasive)

Age-adjusted SEER Incidence^a Rates by Year, Race and Sex

| Year of Diagnosis: | All Races | | | Whites | | | Blacks | | |
|--------------------|-----------|--------|---------|--------|--------|---------|--------|--------|---------|
| | Total | Males | Females | Total | Males | Females | Total | Males | Females |
| 1975 | 400.40 | 466.79 | 365.83 | 402.10 | 468.57 | 369.54 | 426.49 | 525.38 | 356.65 |
| 1976 | 407.39 | 481.12 | 367.40 | 409.71 | 481.84 | 373.14 | 427.36 | 553.02 | 340.40 |
| 1977 | 407.74 | 486.48 | 363.73 | 409.30 | 487.09 | 367.91 | 442.59 | 577.58 | 352.01 |
| 1978 | 407.33 | 488.40 | 362.23 | 409.84 | 489.81 | 367.97 | 436.49 | 570.67 | 344.07 |
| 1979 | 412.52 | 496.47 | 365.54 | 414.10 | 497.56 | 369.71 | 451.57 | 589.90 | 359.00 |
| 1980 | 418.04 | 505.78 | 368.10 | 419.48 | 505.19 | 373.36 | 467.50 | 615.13 | 366.56 |
| 1981 | 425.25 | 510.84 | 377.09 | 427.65 | 510.81 | 383.86 | 472.73 | 633.91 | 362.95 |
| 1982 | 424.46 | 511.06 | 376.17 | 427.73 | 512.45 | 383.38 | 465.38 | 621.86 | 359.81 |
| 1983 | 431.17 | 519.97 | 380.78 | 434.41 | 520.99 | 387.98 | 487.03 | 645.92 | 382.08 |
| 1984 | 439.96 | 525.41 | 392.45 | 443.61 | 527.62 | 399.56 | 488.07 | 643.78 | 386.00 |
| 1985 | 448.81 | 531.18 | 403.13 | 453.40 | 533.42 | 411.49 | 488.92 | 643.41 | 388.12 |
| 1986 | 451.30 | 538.16 | 402.21 | 455.87 | 542.77 | 408.98 | 493.84 | 644.13 | 396.37 |
| 1987 | 467.95 | 563.06 | 413.23 | 474.81 | 568.66 | 423.29 | 500.91 | 665.97 | 394.02 |
| 1988 | 463.74 | 558.31 | 409.10 | 470.19 | 565.01 | 417.72 | 503.65 | 657.04 | 404.27 |
| 1989 | 467.62 | 566.83 | 408.24 | 475.00 | 573.29 | 418.50 | 492.41 | 660.99 | 384.44 |
| 1990 | 481.76 | 592.50 | 415.30 | 488.67 | 599.04 | 424.63 | 520.97 | 699.05 | 407.92 |
| 1991 | 502.88 | 637.24 | 418.80 | 510.26 | 644.24 | 428.30 | 548.84 | 764.18 | 412.68 |
| 1992 | 510.39 | 657.83 | 414.72 | 516.60 | 662.99 | 423.39 | 568.00 | 807.44 | 413.04 |
| 1993 | 493.18 | 621.76 | 408.17 | 496.74 | 619.85 | 417.01 | 567.79 | 817.55 | 403.65 |
| 1994 | 483.19 | 589.28 | 413.28 | 487.10 | 587.06 | 422.86 | 556.99 | 781.77 | 408.52 |
| 1995 | 476.48 | 571.01 | 414.53 | 481.71 | 569.59 | 425.77 | 541.21 | 746.20 | 403.99 |
| 1996 | 478.72 | 571.96 | 417.72 | 484.35 | 573.20 | 427.77 | 538.99 | 724.71 | 416.02 |
| 1997 | 485.98 | 575.04 | 428.05 | 493.06 | 575.84 | 440.72 | 539.04 | 737.56 | 409.52 |
| 1998 | 487.56 | 571.96 | 433.27 | 496.12 | 575.62 | 446.34 | 533.29 | 718.58 | 414.14 |
| 1999 | 489.83 | 579.87 | 429.93 | 497.78 | 581.68 | 442.99 | 537.77 | 718.85 | 418.90 |
| 2000 | 485.15 | 578.55 | 421.39 | 495.27 | 582.03 | 437.07 | 524.66 | 708.94 | 401.44 |
| 2001 | 488.50 | 579.10 | 426.17 | 499.31 | 584.95 | 441.28 | 517.24 | 694.26 | 398.18 |
| 2002 | 485.90 | 572.30 | 426.86 | 495.39 | 578.15 | 439.33 | 531.58 | 695.68 | 422.64 |
| 2003 | 472.95 | 556.91 | 415.48 | 482.76 | 561.01 | 429.95 | 514.31 | 675.92 | 407.28 |
| 2004 | 472.97 | 553.88 | 417.31 | 482.07 | 558.47 | 429.86 | 516.53 | 675.68 | 412.26 |
| 2005 | 467.30 | 542.31 | 415.81 | 477.45 | 549.06 | 428.93 | 499.12 | 631.86 | 411.89 |
| 2006 | 469.28 | 546.22 | 415.10 | 478.25 | 550.41 | 427.96 | 498.61 | 632.29 | 407.55 |
| 2007 | 473.41 | 554.76 | 415.39 | 480.85 | 557.11 | 426.98 | 507.35 | 655.44 | 406.34 |
| 2008 | 463.37 | 530.84 | 416.33 | 469.34 | 531.03 | 427.11 | 503.18 | 644.98 | 407.41 |
| 1975-2008 | 463.17 | 553.28 | 405.99 | 468.54 | 555.54 | 415.14 | 507.72 | 675.17 | 396.87 |

^a SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).
Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).
- Statistic not shown. Rate based on less than 16 cases for the time interval.

Table 2.6
All Cancer Sites (Invasive)

Age-adjusted U.S. Death^a Rates by Year, Race and Sex

| Year of Death: | All Races | | | Whites | | | Blacks | | |
|----------------|-----------|--------|---------|--------|--------|---------|--------|--------|---------|
| | Total | Males | Females | Total | Males | Females | Total | Males | Females |
| 1975 | 199.14 | 258.43 | 160.03 | 196.33 | 254.00 | 158.99 | 235.50 | 320.45 | 174.17 |
| 1976 | 202.30 | 262.23 | 162.70 | 199.38 | 257.50 | 161.69 | 241.76 | 328.45 | 179.10 |
| 1977 | 203.02 | 264.23 | 162.94 | 199.67 | 258.78 | 161.61 | 246.38 | 337.95 | 181.60 |
| 1978 | 204.42 | 267.07 | 163.76 | 201.14 | 261.65 | 162.54 | 247.24 | 340.91 | 181.53 |
| 1979 | 204.53 | 268.65 | 163.06 | 201.20 | 263.24 | 161.70 | 248.98 | 344.67 | 182.73 |
| 1980 | 206.96 | 271.08 | 165.75 | 203.27 | 265.03 | 164.17 | 256.18 | 353.91 | 189.25 |
| 1981 | 206.40 | 269.78 | 165.90 | 202.64 | 263.27 | 164.55 | 256.77 | 358.65 | 187.47 |
| 1982 | 208.32 | 272.89 | 167.45 | 204.54 | 266.28 | 166.11 | 260.36 | 364.86 | 190.17 |
| 1983 | 209.21 | 274.09 | 168.27 | 205.17 | 267.22 | 166.69 | 263.75 | 369.32 | 193.24 |
| 1984 | 210.91 | 275.08 | 170.55 | 206.66 | 267.55 | 169.02 | 268.15 | 377.93 | 195.67 |
| 1985 | 211.35 | 275.68 | 170.96 | 207.25 | 268.25 | 169.58 | 268.06 | 377.82 | 196.31 |
| 1986 | 211.79 | 276.04 | 171.59 | 207.73 | 268.83 | 170.01 | 269.45 | 378.92 | 199.05 |
| 1987 | 211.91 | 276.34 | 171.54 | 207.78 | 268.96 | 169.87 | 271.12 | 383.24 | 199.91 |
| 1988 | 212.62 | 276.89 | 172.53 | 208.48 | 269.46 | 170.94 | 271.59 | 384.17 | 200.36 |
| 1989 | 214.30 | 278.50 | 174.25 | 209.96 | 270.25 | 172.88 | 275.87 | 395.28 | 200.87 |
| 1990 | 214.95 | 279.82 | 174.65 | 210.41 | 271.48 | 172.89 | 279.30 | 399.14 | 205.39 |
| 1991 | 215.06 | 279.15 | 175.30 | 210.62 | 271.19 | 173.41 | 278.97 | 395.85 | 207.39 |
| 1992 | 213.46 | 276.51 | 174.39 | 209.24 | 268.91 | 172.58 | 274.93 | 389.20 | 205.80 |
| 1993 | 213.45 | 275.89 | 174.55 | 209.16 | 267.89 | 172.82 | 277.09 | 394.76 | 206.29 |
| 1994 | 211.74 | 272.12 | 174.11 | 207.83 | 264.73 | 172.62 | 271.96 | 385.20 | 204.06 |
| 1995 | 209.89 | 268.50 | 173.35 | 206.09 | 261.46 | 171.73 | 269.51 | 379.02 | 204.53 |
| 1996 | 207.00 | 263.75 | 171.21 | 203.40 | 256.83 | 169.85 | 265.28 | 373.70 | 200.94 |
| 1997 | 203.55 | 258.13 | 169.00 | 199.94 | 251.58 | 167.35 | 262.14 | 363.18 | 202.53 |
| 1998 | 200.82 | 253.63 | 166.93 | 197.56 | 247.62 | 165.38 | 255.66 | 353.13 | 198.38 |
| 1999 | 200.72 | 252.75 | 167.24 | 197.75 | 247.14 | 165.92 | 253.80 | 349.23 | 197.54 |
| 2000 | 198.76 | 248.41 | 166.67 | 196.33 | 243.31 | 165.94 | 248.20 | 341.48 | 193.26 |
| 2001 | 196.09 | 244.83 | 164.42 | 193.73 | 240.03 | 163.52 | 244.62 | 334.93 | 192.18 |
| 2002 | 194.03 | 241.35 | 163.03 | 191.96 | 237.25 | 162.14 | 241.26 | 327.14 | 191.51 |
| 2003 | 190.46 | 235.56 | 160.68 | 188.56 | 231.79 | 159.81 | 235.79 | 316.59 | 188.81 |
| 2004 | 186.37 | 230.11 | 157.34 | 184.58 | 226.30 | 156.68 | 229.85 | 309.95 | 183.64 |
| 2005 | 184.72 | 228.06 | 155.79 | 183.18 | 224.75 | 155.18 | 225.96 | 303.63 | 181.13 |
| 2006 | 181.55 | 222.71 | 153.93 | 180.40 | 219.98 | 153.59 | 220.27 | 293.91 | 177.57 |
| 2007 | 178.70 | 219.51 | 151.19 | 177.49 | 216.61 | 150.84 | 217.80 | 291.01 | 175.78 |
| 2008 | 175.78 | 215.65 | 148.42 | 174.86 | 213.29 | 148.23 | 211.27 | 280.09 | 170.95 |
| 1975-2008 | 201.82 | 257.47 | 165.84 | 198.88 | 251.97 | 164.73 | 252.23 | 348.83 | 192.10 |

^a US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).
- Statistic not shown. Rate based on less than 16 cases for the time interval.

Table 2.7
All Cancer Sites (Invasive)

SEER Incidence^a and U.S. Death^b Rates, Age-Adjusted and Age-Specific Rates, by Race and Sex

| | All Races | | | Whites | | | Blacks | | |
|--|-----------|---------|---------|---------|---------|---------|---------|---------|---------|
| | Total | Males | Females | Total | Males | Females | Total | Males | Females |
| <u>SEER Incidence</u> | | | | | | | | | |
| <u>Age at Diagnosis</u> | | | | | | | | | |
| Age-Adjusted Rates, 2004-2008 | | | | | | | | | |
| All ages | 464.4 | 541.0 | 411.6 | 471.8 | 543.6 | 423.0 | 491.2 | 626.1 | 400.9 |
| Under 65 | 223.8 | 219.1 | 229.6 | 226.4 | 218.9 | 235.4 | 247.2 | 280.6 | 221.3 |
| 65 and over | 2,127.8 | 2,766.2 | 1,669.7 | 2,168.3 | 2,788.1 | 1,719.8 | 2,177.5 | 3,013.8 | 1,642.7 |
| All ages (IARC world std) ^c | 315.1 | 355.1 | 285.6 | 320.0 | 356.3 | 293.6 | 339.7 | 426.6 | 277.6 |
| Age-Specific Rates, 2004-2008 | | | | | | | | | |
| <1 | 23.5 | 25.6 | 21.4 | 24.2 | 26.5 | 21.9 | 18.6 | 21.0 | 16.1 |
| 1-4 | 20.7 | 22.3 | 19.0 | 21.6 | 23.2 | 19.9 | 16.1 | 17.4 | 14.8 |
| 5-9 | 11.5 | 12.4 | 10.6 | 12.1 | 13.2 | 10.9 | 8.9 | 9.4 | 8.5 |
| 10-14 | 13.6 | 14.2 | 13.1 | 14.4 | 15.0 | 13.8 | 11.0 | 11.0 | 10.9 |
| 15-19 | 21.6 | 22.6 | 20.6 | 23.1 | 24.4 | 21.8 | 14.7 | 14.4 | 15.0 |
| 20-24 | 35.7 | 33.9 | 37.7 | 38.5 | 37.3 | 39.9 | 22.7 | 19.7 | 25.8 |
| 25-29 | 54.1 | 46.5 | 62.1 | 58.1 | 50.6 | 66.4 | 39.1 | 32.7 | 45.2 |
| 30-34 | 84.3 | 61.8 | 107.6 | 88.7 | 65.6 | 113.6 | 70.4 | 48.4 | 90.7 |
| 35-39 | 129.6 | 87.7 | 172.6 | 133.7 | 91.9 | 178.0 | 114.5 | 77.6 | 148.2 |
| 40-44 | 214.1 | 148.1 | 280.5 | 217.0 | 149.8 | 286.5 | 210.6 | 158.2 | 257.8 |
| 45-49 | 350.6 | 275.6 | 424.5 | 353.1 | 274.9 | 432.1 | 367.8 | 334.3 | 397.5 |
| 50-54 | 559.5 | 536.0 | 582.2 | 558.9 | 526.2 | 591.3 | 660.7 | 739.9 | 592.7 |
| 55-59 | 854.1 | 943.2 | 770.1 | 856.3 | 927.9 | 786.9 | 1,034.1 | 1,341.6 | 780.4 |
| 60-64 | 1,263.5 | 1,501.2 | 1,045.8 | 1,275.6 | 1,491.6 | 1,073.2 | 1,513.2 | 2,057.3 | 1,082.2 |
| 65-69 | 1,756.1 | 2,209.2 | 1,359.9 | 1,782.2 | 2,205.4 | 1,404.9 | 1,995.8 | 2,812.2 | 1,376.4 |
| 70-74 | 2,091.1 | 2,691.9 | 1,602.2 | 2,137.5 | 2,714.2 | 1,658.6 | 2,158.0 | 2,996.7 | 1,560.4 |
| 75-79 | 2,359.2 | 3,069.3 | 1,836.6 | 2,418.3 | 3,107.0 | 1,903.0 | 2,258.6 | 3,061.9 | 1,747.8 |
| 80-84 | 2,444.5 | 3,187.7 | 1,973.0 | 2,493.0 | 3,224.4 | 2,026.9 | 2,276.8 | 3,103.4 | 1,827.3 |
| 85+ | 2,257.2 | 3,136.5 | 1,852.4 | 2,275.5 | 3,169.6 | 1,868.4 | 2,363.5 | 3,307.1 | 2,004.5 |
| <u>U.S. Mortality</u> | | | | | | | | | |
| <u>Age at Death</u> | | | | | | | | | |
| Age-Adjusted Rates, 2004-2008 | | | | | | | | | |
| All ages | 181.3 | 223.0 | 153.2 | 180.0 | 220.0 | 152.8 | 220.8 | 295.3 | 177.7 |
| Under 65 | 58.7 | 63.0 | 54.7 | 56.8 | 60.7 | 53.3 | 82.4 | 94.2 | 73.0 |
| 65 and over | 1,029.2 | 1,329.5 | 834.5 | 1,031.4 | 1,321.8 | 841.0 | 1,177.6 | 1,685.8 | 901.0 |
| All ages (IARC world std) ^c | 108.0 | 128.0 | 93.2 | 106.7 | 125.7 | 92.6 | 136.5 | 174.7 | 111.9 |
| Age-Specific Rates, 2004-2008 | | | | | | | | | |
| <1 | 1.7 | 1.9 | 1.6 | 1.9 | 2.0 | 1.7 | 1.5 | 1.7 | 1.3 |
| 1-4 | 2.3 | 2.5 | 2.1 | 2.4 | 2.5 | 2.2 | 2.4 | 2.7 | 2.0 |
| 5-9 | 2.4 | 2.6 | 2.3 | 2.5 | 2.6 | 2.3 | 2.4 | 2.4 | 2.3 |
| 10-14 | 2.3 | 2.4 | 2.2 | 2.3 | 2.5 | 2.2 | 2.4 | 2.5 | 2.3 |
| 15-19 | 3.3 | 3.8 | 2.7 | 3.3 | 3.9 | 2.7 | 3.2 | 3.6 | 2.8 |
| 20-24 | 4.6 | 5.5 | 3.7 | 4.6 | 5.4 | 3.7 | 5.2 | 5.9 | 4.5 |
| 25-29 | 6.6 | 7.0 | 6.2 | 6.4 | 7.0 | 5.9 | 8.2 | 8.1 | 8.4 |
| 30-34 | 11.3 | 10.3 | 12.3 | 11.0 | 10.2 | 11.9 | 14.6 | 12.5 | 16.4 |
| 35-39 | 20.8 | 17.4 | 24.3 | 20.2 | 17.2 | 23.2 | 27.6 | 20.6 | 33.8 |
| 40-44 | 42.7 | 37.5 | 47.7 | 40.8 | 36.2 | 45.5 | 59.8 | 51.0 | 67.5 |
| 45-49 | 84.4 | 81.9 | 86.9 | 80.3 | 77.9 | 82.8 | 123.8 | 122.9 | 124.6 |
| 50-54 | 152.3 | 163.2 | 141.9 | 145.7 | 155.0 | 136.6 | 224.7 | 255.6 | 198.7 |
| 55-59 | 253.0 | 283.4 | 224.4 | 244.9 | 270.9 | 219.9 | 364.9 | 447.6 | 296.8 |
| 60-64 | 409.9 | 472.1 | 353.0 | 403.2 | 459.4 | 350.7 | 554.8 | 702.4 | 439.5 |
| 65-69 | 617.2 | 732.1 | 516.8 | 613.3 | 720.7 | 517.5 | 781.1 | 1,011.3 | 611.1 |
| 70-74 | 860.2 | 1,046.3 | 708.1 | 863.0 | 1,039.0 | 716.4 | 986.9 | 1,322.4 | 755.1 |
| 75-79 | 1,129.3 | 1,424.0 | 911.8 | 1,137.0 | 1,421.8 | 922.7 | 1,233.2 | 1,699.4 | 948.1 |
| 80-84 | 1,401.9 | 1,859.5 | 1,113.8 | 1,410.2 | 1,857.7 | 1,125.0 | 1,510.2 | 2,220.1 | 1,138.7 |
| 85+ | 1,682.8 | 2,455.0 | 1,339.8 | 1,680.3 | 2,438.4 | 1,341.8 | 1,964.5 | 3,282.5 | 1,485.0 |

^a SEER 17 areas. Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130), unless noted.

^b US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.

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

^d Rates are per 100,000 and are age-adjusted to the IARC world standard population.

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

Table 2.8
All Cancer Sites (Invasive)

5-Year Relative and Period Survival (Percent) by Race, Sex, Diagnosis Year and Age

| | All Races | | | Whites | | | Blacks | | |
|--|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | Total | Males | Females | Total | Males | Females | Total | Males | Females |
| 5-Year Relative Survival (Percent) | | | | | | | | | |
| Year of Diagnosis: | | | | | | | | | |
| 1960-1963 ^a | - | - | - | 39 | - | - | 27 | - | - |
| 1970-1973 ^a | - | - | - | 43 | - | - | 31 | - | - |
| 1975-1977 ^b | 49.1 | 41.9 | 56.0 | 50.0 | 42.9 | 56.7 | 39.2 | 32.8 | 46.3 |
| 1978-1980 ^b | 49.2 | 43.3 | 55.1 | 50.1 | 44.5 | 55.7 | 39.0 | 33.4 | 45.7 |
| 1981-1983 ^b | 50.4 | 45.4 | 55.3 | 51.5 | 46.8 | 56.1 | 39.0 | 34.3 | 44.6 |
| 1984-1986 ^b | 52.5 | 47.3 | 57.7 | 53.8 | 48.8 | 58.7 | 40.2 | 35.6 | 45.5 |
| 1987-1989 ^b | 55.5 | 51.3 | 59.8 | 56.8 | 53.0 | 60.8 | 43.1 | 39.0 | 47.8 |
| 1990-1992 ^b | 60.1 | 59.3 | 61.0 | 61.5 | 61.0 | 62.2 | 47.9 | 47.7 | 48.3 |
| 1993-1995 ^b | 61.4 | 61.0 | 61.9 | 62.5 | 62.1 | 63.0 | 52.7 | 54.4 | 50.6 |
| 1996-2000 ^b | 64.3 | 64.2 | 64.5 | 65.4 | 65.4 | 65.5 | 56.0 | 58.7 | 52.9 |
| 2001-2007 ^b | 67.4 ^e | 68.1 ^e | 66.5 ^e | 68.6 ^e | 69.3 ^e | 67.8 ^e | 59.4 ^e | 63.2 ^e | 55.1 ^e |
| 5-Year Period Survival (Percent) ^{cd} | | | | | | | | | |
| 2007 | 65.9 | 66.6 | 65.2 | 66.5 | 67.0 | 66.0 | 58.6 | 61.9 | 54.9 |
| 5-Year Relative Survival (Percent), 2001-2007 ^c | | | | | | | | | |
| Age at Diagnosis: | | | | | | | | | |
| Ages <45 | 79.7 | 74.7 | 82.9 | 81.3 | 76.8 | 84.4 | 66.9 | 59.5 | 71.4 |
| Ages 45-54 | 72.0 | 66.1 | 76.8 | 73.6 | 67.6 | 78.5 | 59.9 | 58.0 | 61.9 |
| Ages 55-64 | 69.1 | 69.0 | 69.1 | 70.0 | 69.7 | 70.4 | 61.6 | 65.2 | 55.8 |
| Ages 65-74 | 64.5 | 68.0 | 59.4 | 65.0 | 68.2 | 60.5 | 58.7 | 65.6 | 48.3 |
| Ages 75+ | 52.4 | 57.3 | 47.7 | 53.1 | 57.5 | 49.0 | 42.3 | 49.9 | 35.5 |
| Ages <65 | 72.3 | 69.2 | 75.4 | 73.6 | 70.4 | 76.7 | 62.1 | 62.1 | 62.2 |
| Ages 65+ | 58.4 | 63.1 | 52.9 | 58.9 | 63.2 | 53.9 | 51.8 | 60.0 | 42.0 |

^a Based on End Results data from a series of hospital registries and one population-based registry.
^b SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta).
Based on follow-up of patients into 2008.
^c SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey).
Based on follow-up of patients into 2008.
^d Period survival provides a 2007 estimate of survival by piecing together the most recent conditional survival estimates from several cohorts. It is computed here using three year calendar blocks (2005-2007: 0-1 year survival), (2004-2006: 1-2 year survival), (2003-2005: 2-3 year survival), (2002-2004: 3-4 year survival), (2001-2003: 4-5 years survival).
The difference between 1975-1977 and 2001-2007 is statistically significant (p<.05).
^e The standard error is between 5 and 10 percentage points.
^f The standard error is greater than 10 percentage points.
^g -
- Statistic could not be calculated due to fewer than 25 cases during the time period.

Table 2.9
All Cancer Sites (Invasive)
SEER^a Relative Survival (Percent)
By Year of Diagnosis

All Races, Males and Females

| Survival Time | Year of Diagnosis | | | | | | | | | | | | | | | | | | | | |
|---------------|-------------------|---------------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 1975- 1979 | 1980- 1984 | 1985- 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
| 1-year | 69.9 | 71.4 | 73.9 | 75.6 | 77.2 | 77.8 | 77.2 | 76.9 | 77.0 | 77.5 | 78.2 | 78.5 | 79.1 | 79.5 | 80.0 | 80.2 | 79.9 | 80.4 | 80.6 | 81.2 | 81.5 |
| 2-year | 60.1 | 61.6 | 64.8 | 67.0 | 69.0 | 70.2 | 69.7 | 69.3 | 69.6 | 70.4 | 71.1 | 71.6 | 72.4 | 72.9 | 73.7 | 74.1 | 73.6 | 74.1 | 74.3 | 75.3 | |
| 3-year | 55.0 | 56.4 | 60.0 | 62.6 | 64.8 | 66.4 | 65.8 | 65.5 | 65.9 | 66.8 | 67.6 | 68.2 | 69.1 | 69.7 | 70.4 | 70.9 | 70.3 | 71.0 | 71.1 | | |
| 4-year | 51.6 | 52.9 | 56.9 | 59.8 | 62.2 | 63.9 | 63.3 | 62.9 | 63.4 | 64.4 | 65.2 | 65.9 | 66.9 | 67.5 | 68.3 | 68.8 | 68.3 | 68.8 | | | |
| 5-year | 49.1 | 50.4 | 54.6 | 57.9 | 60.2 | 62.0 | 61.4 | 61.1 | 61.7 | 62.6 | 63.4 | 64.1 | 65.3 | 66.0 | 66.9 | 67.3 | 66.7 | | | | |
| 6-year | 47.2 | 48.3 | 52.8 | 56.2 | 58.6 | 60.5 | 60.0 | 59.6 | 60.2 | 61.2 | 62.0 | 62.8 | 64.0 | 64.8 | 65.7 | 66.2 | | | | | |
| 7-year | 45.5 | 46.6 | 51.2 | 54.6 | 57.2 | 59.1 | 58.6 | 58.3 | 59.0 | 60.2 | 61.0 | 61.7 | 63.0 | 63.7 | 64.7 | | | | | | |
| 8-year | 44.2 | 45.2 | 49.9 | 53.4 | 56.0 | 58.0 | 57.5 | 57.4 | 58.1 | 59.2 | 60.2 | 60.9 | 62.0 | 62.7 | | | | | | | |
| 9-year | 43.0 | 44.0 | 48.7 | 52.3 | 55.0 | 57.1 | 56.5 | 56.5 | 57.3 | 58.3 | 59.3 | 60.0 | 61.3 | | | | | | | | |
| 10-year | 41.9 | 43.0 | 47.8 | 51.3 | 54.1 | 56.2 | 55.6 | 55.6 | 56.5 | 57.5 | 58.5 | 59.2 | | | | | | | | | |
| 11-year | 40.9 | 42.0 | 46.9 | 50.4 | 53.4 | 55.4 | 54.8 | 54.7 | 55.7 | 56.8 | 57.8 | | | | | | | | | | |
| 12-year | 40.1 | 41.1 | 46.0 | 49.7 | 52.6 | 54.7 | 54.0 | 54.0 | 54.9 | 56.2 | | | | | | | | | | | |
| 13-year | 39.4 | 40.4 | 45.2 | 49.0 | 52.0 | 54.0 | 53.4 | 53.4 | 54.1 | | | | | | | | | | | | |
| 14-year | 38.8 | 39.7 | 44.5 | 48.3 | 51.3 | 53.5 | 52.7 | 52.6 | | | | | | | | | | | | | |
| 15-year | 38.1 | 39.0 | 43.8 | 47.6 | 50.6 | 52.8 | 52.0 | | | | | | | | | | | | | | |
| 16-year | 37.5 | 38.3 | 43.2 | 47.0 | 50.0 | 52.3 | | | | | | | | | | | | | | | |
| 17-year | 37.0 | 37.7 | 42.7 | 46.4 | 49.4 | | | | | | | | | | | | | | | | |
| 18-year | 36.5 | 37.2 | 42.2 | 45.8 | | | | | | | | | | | | | | | | | |
| 19-year | 36.0 | 36.6 | 41.7 | | | | | | | | | | | | | | | | | | |
| 20-year | 35.6 | 36.2 | | | | | | | | | | | | | | | | | | | |

^a Based on the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

Table 2.10
All Cancer Sites (Invasive)

SEER^a Relative Survival (Percent)
By Year of Diagnosis

All Races, Males

Year of Diagnosis

| | 1975- 1979 | 1980- 1984 | 1985- 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|---------------|---------------|---------------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Survival Time | | | | | | | | | | | | | | | | | | | | | |
| 1-year | 64.5 | 67.4 | 70.6 | 73.7 | 76.3 | 77.5 | 76.6 | 76.1 | 75.8 | 76.8 | 77.4 | 77.3 | 78.5 | 79.1 | 79.6 | 79.6 | 79.4 | 80.1 | 80.3 | 81.2 | 81.6 |
| 2-year | 53.8 | 56.8 | 60.8 | 64.5 | 68.0 | 69.9 | 69.1 | 68.1 | 68.3 | 69.7 | 70.4 | 70.6 | 71.7 | 72.7 | 73.3 | 73.7 | 73.2 | 74.0 | 74.0 | 75.5 | |
| 3-year | 48.4 | 51.5 | 55.7 | 60.2 | 64.1 | 66.4 | 65.5 | 64.6 | 64.8 | 66.2 | 67.1 | 67.2 | 68.6 | 69.6 | 70.5 | 70.9 | 70.2 | 71.1 | 71.1 | | |
| 4-year | 44.9 | 47.9 | 52.4 | 57.3 | 61.4 | 64.2 | 63.2 | 62.1 | 62.5 | 63.9 | 65.0 | 65.1 | 66.7 | 67.7 | 68.6 | 69.2 | 68.4 | 69.2 | | | |
| 5-year | 42.4 | 45.2 | 50.1 | 55.3 | 59.5 | 62.5 | 61.5 | 60.4 | 60.9 | 62.4 | 63.3 | 63.6 | 65.3 | 66.3 | 67.4 | 68.0 | 67.3 | | | | |
| 6-year | 40.4 | 43.1 | 48.2 | 53.6 | 57.9 | 61.1 | 60.3 | 59.1 | 59.6 | 61.2 | 62.0 | 62.4 | 64.2 | 65.2 | 66.4 | 67.1 | | | | | |
| 7-year | 38.7 | 41.4 | 46.5 | 51.9 | 56.5 | 59.8 | 59.0 | 57.9 | 58.5 | 60.1 | 61.2 | 61.4 | 63.3 | 64.3 | 65.6 | | | | | | |
| 8-year | 37.2 | 40.0 | 45.2 | 50.6 | 55.2 | 58.5 | 58.0 | 56.8 | 57.7 | 59.3 | 60.3 | 60.6 | 62.4 | 63.4 | | | | | | | |
| 9-year | 35.9 | 38.7 | 43.9 | 49.5 | 54.3 | 57.6 | 56.9 | 55.9 | 56.9 | 58.5 | 59.5 | 59.7 | 61.8 | | | | | | | | |
| 10-year | 34.7 | 37.7 | 42.9 | 48.4 | 53.4 | 56.6 | 56.0 | 55.1 | 56.0 | 57.7 | 58.9 | 59.1 | | | | | | | | | |
| 11-year | 33.6 | 36.7 | 42.0 | 47.4 | 52.5 | 55.9 | 55.2 | 54.3 | 55.3 | 56.9 | 58.3 | | | | | | | | | | |
| 12-year | 32.7 | 35.8 | 41.0 | 46.7 | 51.9 | 55.3 | 54.4 | 53.4 | 54.4 | 56.3 | | | | | | | | | | | |
| 13-year | 32.0 | 35.0 | 40.2 | 46.0 | 51.2 | 54.6 | 53.6 | 52.9 | 53.6 | | | | | | | | | | | | |
| 14-year | 31.2 | 34.2 | 39.4 | 45.3 | 50.6 | 53.9 | 53.0 | 52.1 | | | | | | | | | | | | | |
| 15-year | 30.5 | 33.5 | 38.6 | 44.6 | 49.7 | 53.3 | 52.3 | | | | | | | | | | | | | | |
| 16-year | 29.8 | 32.7 | 37.9 | 43.8 | 49.1 | 52.7 | | | | | | | | | | | | | | | |
| 17-year | 29.1 | 32.1 | 37.4 | 43.2 | 48.6 | | | | | | | | | | | | | | | | |
| 18-year | 28.5 | 31.5 | 36.8 | 42.7 | | | | | | | | | | | | | | | | | |
| 19-year | 28.1 | 30.9 | 36.3 | | | | | | | | | | | | | | | | | | |
| 20-year | 27.6 | 30.4 | | | | | | | | | | | | | | | | | | | |

^a Based on the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

Table 2.11
All Cancer Sites (Invasive)

SEER^a Relative Survival (Percent)
By Year of Diagnosis

All Races, Females

Year of Diagnosis

| | 1975- 1979 | 1980- 1984 | 1985- 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|---------------|---------------|---------------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Survival Time | | | | | | | | | | | | | | | | | | | | | |
| 1-year | 75.2 | 75.5 | 77.3 | 77.7 | 78.3 | 78.2 | 77.9 | 77.9 | 78.3 | 78.3 | 79.0 | 79.7 | 79.8 | 79.9 | 80.4 | 80.7 | 80.4 | 80.7 | 81.0 | 81.2 | 81.5 |
| 2-year | 66.4 | 66.5 | 68.9 | 69.8 | 70.2 | 70.5 | 70.4 | 70.6 | 71.0 | 71.2 | 71.8 | 72.8 | 73.2 | 73.2 | 74.1 | 74.6 | 74.1 | 74.3 | 74.6 | 75.1 | |
| 3-year | 61.5 | 61.4 | 64.4 | 65.4 | 65.7 | 66.3 | 66.2 | 66.6 | 67.0 | 67.4 | 68.0 | 69.1 | 69.6 | 69.7 | 70.3 | 70.9 | 70.5 | 70.8 | 71.1 | | |
| 4-year | 58.1 | 58.1 | 61.5 | 62.6 | 63.1 | 63.4 | 63.4 | 63.8 | 64.4 | 64.9 | 65.5 | 66.6 | 67.2 | 67.4 | 68.1 | 68.5 | 68.1 | 68.3 | | | |
| 5-year | 55.7 | 55.5 | 59.2 | 60.7 | 61.0 | 61.3 | 61.4 | 61.8 | 62.5 | 62.9 | 63.6 | 64.7 | 65.3 | 65.7 | 66.3 | 66.6 | 66.2 | | | | |
| 6-year | 53.8 | 53.5 | 57.4 | 59.0 | 59.4 | 59.8 | 59.8 | 60.2 | 61.0 | 61.3 | 62.1 | 63.3 | 63.8 | 64.4 | 65.0 | 65.2 | | | | | |
| 7-year | 52.2 | 51.8 | 55.9 | 57.6 | 58.1 | 58.3 | 58.3 | 58.9 | 59.6 | 60.3 | 61.0 | 62.1 | 62.6 | 63.2 | 63.7 | | | | | | |
| 8-year | 50.9 | 50.4 | 54.7 | 56.4 | 56.8 | 57.4 | 57.0 | 58.0 | 58.7 | 59.1 | 60.0 | 61.2 | 61.6 | 62.1 | | | | | | | |
| 9-year | 49.8 | 49.3 | 53.5 | 55.3 | 55.8 | 56.5 | 56.1 | 57.1 | 57.7 | 58.2 | 59.0 | 60.2 | 60.8 | | | | | | | | |
| 10-year | 48.8 | 48.2 | 52.6 | 54.4 | 55.0 | 55.7 | 55.2 | 56.2 | 57.0 | 57.3 | 58.2 | 59.3 | | | | | | | | | |
| 11-year | 47.9 | 47.2 | 51.7 | 53.6 | 54.3 | 54.8 | 54.4 | 55.3 | 56.1 | 56.7 | 57.4 | | | | | | | | | | |
| 12-year | 47.1 | 46.4 | 50.9 | 52.8 | 53.5 | 54.1 | 53.6 | 54.6 | 55.4 | 56.0 | | | | | | | | | | | |
| 13-year | 46.5 | 45.7 | 50.2 | 52.1 | 52.9 | 53.4 | 53.1 | 54.0 | 54.6 | | | | | | | | | | | | |
| 14-year | 45.8 | 45.0 | 49.5 | 51.4 | 52.2 | 52.9 | 52.4 | 53.3 | | | | | | | | | | | | | |
| 15-year | 45.2 | 44.4 | 48.9 | 50.8 | 51.6 | 52.3 | 51.8 | | | | | | | | | | | | | | |
| 16-year | 44.6 | 43.7 | 48.3 | 50.2 | 51.0 | 51.8 | | | | | | | | | | | | | | | |
| 17-year | 44.1 | 43.1 | 47.8 | 49.6 | 50.4 | | | | | | | | | | | | | | | | |
| 18-year | 43.7 | 42.6 | 47.3 | 48.9 | | | | | | | | | | | | | | | | | |
| 19-year | 43.2 | 42.0 | 46.9 | | | | | | | | | | | | | | | | | | |
| 20-year | 42.8 | 41.6 | | | | | | | | | | | | | | | | | | | |

^a Based on the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

Table 2.12
All Cancer Sites (Invasive)

Risk of Being Diagnosed With Cancer in 10, 20 and 30 Years,
Lifetime Risk of Being Diagnosed with Cancer Given Alive and Cancer-Free at Current Age, and
Lifetime Risk of Dying from Cancer Given Alive at Current Age
Both Sexes, 2006-2008 By Race/Ethnicity

| Race/ Ethnicity | Current Age | Risk of Being Diagnosed with Cancer | | | | Risk of Dying from Cancer | Race/ Ethnicity | Current Age | Risk of Being Diagnosed with Cancer | | | | Risk of Dying from Cancer |
|--------------------|----------------|--|---------|---------|-------|------------------------------|--|----------------|--|---------|---------|-------|------------------------------|
| | | +10 yrs | +20 yrs | +30 yrs | Ever | | | | +10 yrs | +20 yrs | +30 yrs | Ever | |
| All Races | 0 | 0.16 | 0.34 | 0.78 | 41.21 | 21.07 | Asian/ Pacific Islander | 0 | 0.14 | 0.28 | 0.58 | 35.65 | 18.43 |
| | 10 | 0.18 | 0.62 | 1.65 | 41.59 | 21.33 | | 10 | 0.14 | 0.44 | 1.23 | 35.85 | 18.56 |
| | 20 | 0.45 | 1.48 | 4.08 | 41.63 | 21.39 | | 20 | 0.30 | 1.09 | 3.18 | 35.84 | 18.58 |
| | 30 | 1.05 | 3.68 | 9.74 | 41.72 | 21.54 | | 30 | 0.79 | 2.90 | 7.17 | 35.80 | 18.61 |
| | 40 | 2.69 | 8.88 | 20.03 | 41.55 | 21.66 | | 40 | 2.13 | 6.46 | 14.21 | 35.44 | 18.58 |
| | 50 | 6.50 | 18.19 | 30.98 | 40.78 | 21.64 | | 50 | 4.46 | 12.45 | 22.87 | 34.34 | 18.37 |
| | 60 | 13.05 | 27.30 | 36.02 | 38.24 | 20.94 | | 60 | 8.53 | 19.66 | 28.21 | 31.89 | 17.67 |
| | 70 | 17.92 | 28.88 | - | 31.66 | 18.59 | | 70 | 12.79 | 22.61 | - | 26.84 | 16.12 |
| 80 | 16.98 | - | - | 21.29 | 14.13 | 80 | 13.05 | - | - | 18.67 | 12.97 | | |
| White | 0 | 0.17 | 0.36 | 0.83 | 41.56 | 21.23 | American Indian/ Alaska Native ^a | 0 | 0.11 | 0.21 | 0.53 | 27.74 | 16.96 |
| | 10 | 0.19 | 0.67 | 1.73 | 41.88 | 21.45 | | 10 | 0.11 | 0.43 | 1.23 | 28.04 | 17.21 |
| | 20 | 0.48 | 1.55 | 4.16 | 41.91 | 21.51 | | 20 | 0.32 | 1.13 | 2.85 | 28.17 | 17.33 |
| | 30 | 1.08 | 3.73 | 9.79 | 41.97 | 21.65 | | 30 | 0.82 | 2.58 | 6.48 | 28.43 | 17.62 |
| | 40 | 2.70 | 8.89 | 20.13 | 41.75 | 21.75 | | 40 | 1.82 | 5.86 | 13.07 | 28.60 | 18.02 |
| | 50 | 6.48 | 18.28 | 31.25 | 40.95 | 21.72 | | 50 | 4.27 | 11.91 | 20.65 | 28.36 | 18.38 |
| | 60 | 13.13 | 27.56 | 36.24 | 38.35 | 21.01 | | 60 | 8.46 | 18.14 | 24.51 | 26.69 | 18.22 |
| | 70 | 18.11 | 29.00 | - | 31.65 | 18.63 | | 70 | 11.83 | 19.62 | - | 22.28 | 16.66 |
| 80 | 16.95 | - | - | 21.07 | 14.08 | 80 | 11.38 | - | - | 15.27 | 12.98 | | |
| Black | 0 | 0.12 | 0.25 | 0.55 | 37.24 | 21.11 | Hispanic ^b | 0 | 0.16 | 0.33 | 0.70 | 36.97 | 17.12 |
| | 10 | 0.13 | 0.43 | 1.30 | 38.03 | 21.61 | | 10 | 0.17 | 0.55 | 1.35 | 37.25 | 17.28 |
| | 20 | 0.31 | 1.18 | 3.78 | 38.16 | 21.70 | | 20 | 0.37 | 1.18 | 3.15 | 37.27 | 17.32 |
| | 30 | 0.88 | 3.54 | 10.41 | 38.52 | 21.95 | | 30 | 0.81 | 2.81 | 7.43 | 37.32 | 17.40 |
| | 40 | 2.73 | 9.80 | 21.44 | 38.72 | 22.21 | | 40 | 2.02 | 6.72 | 15.61 | 37.11 | 17.44 |
| | 50 | 7.55 | 19.97 | 30.74 | 38.40 | 22.32 | | 50 | 4.88 | 14.10 | 25.28 | 36.42 | 17.36 |
| | 60 | 14.56 | 27.19 | 34.25 | 36.17 | 21.69 | | 60 | 10.05 | 22.22 | 30.75 | 34.36 | 16.82 |
| | 70 | 17.26 | 26.91 | - | 29.53 | 19.34 | | 70 | 14.58 | 24.80 | - | 29.12 | 15.23 |
| 80 | 16.08 | - | - | 20.45 | 15.34 | 80 | 14.53 | - | - | 20.67 | 12.07 | | |

Devcan Version 6.6.0, October 2011, National Cancer Institute (<http://surveillance.cancer.gov/devcan/>).

Source: Incidence data are from the SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey). Mortality data are from the NCHS public use data file for the total US.

^a Underlying incidence and mortality data for American Indian/Alaska Native 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.

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

Underlying mortality data for Hispanics exclude deaths from the District of Columbia, Minnesota, New Hampshire and North Dakota.

- Statistic could not be calculated.

A percent of 0.00 represents a value that is below 0.005.

Table 2.13
All Cancer Sites (Invasive)

Risk of Being Diagnosed With Cancer in 10, 20 and 30 Years,
Lifetime Risk of Being Diagnosed with Cancer Given Alive and Cancer-Free at Current Age, and
Lifetime Risk of Dying from Cancer Given Alive at Current Age
Males, 2006-2008 By Race/Ethnicity

| Race/ Ethnicity | Current Age | Risk of Being Diagnosed with Cancer | | | | Risk of Dying from Cancer | Race/ Ethnicity | Current Age | Risk of Being Diagnosed with Cancer | | | | Risk of Dying from Cancer |
|--------------------|----------------|--|---------|---------|-------|------------------------------|--|----------------|--|---------|---------|-------|------------------------------|
| | | +10 yrs | +20 yrs | +30 yrs | Ever | | | | +10 yrs | +20 yrs | +30 yrs | Ever | |
| All Races | 0 | 0.18 | 0.36 | 0.74 | 44.85 | 23.12 | Asian/ Pacific Islander | 0 | 0.14 | 0.28 | 0.52 | 38.19 | 20.90 |
| | 10 | 0.19 | 0.58 | 1.29 | 45.32 | 23.44 | | 10 | 0.14 | 0.38 | 0.84 | 38.45 | 21.07 |
| | 20 | 0.39 | 1.11 | 3.14 | 45.45 | 23.54 | | 20 | 0.24 | 0.70 | 2.05 | 38.48 | 21.11 |
| | 30 | 0.73 | 2.79 | 9.22 | 45.80 | 23.81 | | 30 | 0.46 | 1.82 | 5.74 | 38.55 | 21.17 |
| | 40 | 2.10 | 8.68 | 22.07 | 46.07 | 24.08 | | 40 | 1.37 | 5.34 | 14.38 | 38.51 | 21.20 |
| | 50 | 6.91 | 20.98 | 36.14 | 46.20 | 24.33 | | 50 | 4.07 | 13.36 | 26.11 | 38.13 | 21.11 |
| | 60 | 16.00 | 33.23 | 42.64 | 44.66 | 24.00 | | 60 | 9.96 | 23.63 | 33.22 | 36.51 | 20.58 |
| | 70 | 23.00 | 35.57 | - | 38.27 | 21.97 | | 70 | 16.21 | 27.59 | - | 31.49 | 19.10 |
| 80 | 22.00 | - | - | 26.74 | 17.70 | 80 | 16.36 | - | - | 21.97 | 15.78 | | |
| White | 0 | 0.18 | 0.38 | 0.80 | 44.77 | 23.23 | American Indian/ Alaska Native ^a | 0 | 0.09 | 0.20 | 0.50 | 27.60 | 17.94 |
| | 10 | 0.20 | 0.62 | 1.37 | 45.16 | 23.50 | | 10 | 0.11 | 0.41 | 1.00 | 27.97 | 18.26 |
| | 20 | 0.43 | 1.18 | 3.20 | 45.26 | 23.59 | | 20 | 0.30 | 0.90 | 2.06 | 28.16 | 18.43 |
| | 30 | 0.77 | 2.82 | 9.14 | 45.56 | 23.83 | | 30 | 0.62 | 1.81 | 5.73 | 28.67 | 18.87 |
| | 40 | 2.10 | 8.55 | 21.87 | 45.77 | 24.08 | | 40 | 1.24 | 5.33 | 12.97 | 29.28 | 19.51 |
| | 50 | 6.77 | 20.75 | 35.96 | 45.85 | 24.31 | | 50 | 4.35 | 12.48 | 21.96 | 29.83 | 20.28 |
| | 60 | 15.82 | 33.04 | 42.31 | 44.24 | 23.96 | | 60 | 9.18 | 19.88 | 26.62 | 28.76 | 20.54 |
| | 70 | 22.85 | 35.16 | - | 37.71 | 21.88 | | 70 | 13.55 | 22.09 | - | 24.80 | 19.47 |
| 80 | 21.53 | - | - | 25.99 | 17.53 | 80 | 13.31 | - | - | 17.53 | 16.12 | | |
| Black | 0 | 0.14 | 0.26 | 0.50 | 41.59 | 23.55 | Hispanic ^b | 0 | 0.17 | 0.36 | 0.69 | 40.20 | 19.58 |
| | 10 | 0.13 | 0.38 | 0.97 | 42.55 | 24.16 | | 10 | 0.19 | 0.53 | 1.03 | 40.54 | 19.79 |
| | 20 | 0.25 | 0.86 | 3.16 | 42.84 | 24.32 | | 20 | 0.34 | 0.85 | 2.22 | 40.64 | 19.86 |
| | 30 | 0.62 | 2.98 | 11.39 | 43.62 | 24.78 | | 30 | 0.51 | 1.91 | 6.45 | 40.90 | 20.04 |
| | 40 | 2.44 | 11.14 | 26.34 | 44.47 | 25.33 | | 40 | 1.42 | 6.04 | 16.59 | 41.08 | 20.20 |
| | 50 | 9.36 | 25.72 | 38.28 | 45.23 | 25.91 | | 50 | 4.80 | 15.76 | 29.32 | 41.21 | 20.35 |
| | 60 | 20.12 | 35.56 | 42.65 | 44.11 | 25.96 | | 60 | 12.11 | 27.07 | 36.55 | 40.20 | 20.15 |
| | 70 | 23.88 | 34.82 | - | 37.09 | 24.33 | | 70 | 18.77 | 30.67 | - | 35.25 | 18.78 |
| 80 | 21.68 | - | - | 26.18 | 21.06 | 80 | 18.59 | - | - | 25.74 | 15.72 | | |

Devcan Version 6.6.0, October 2011, National Cancer Institute (<http://surveillance.cancer.gov/devcan/>).

Source: Incidence data are from the SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey). Mortality data are from the NCHS public use data file for the total US.

^a Underlying incidence and mortality data for American Indian/Alaska Native 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.

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

Underlying mortality data for Hispanics exclude deaths from the District of Columbia, Minnesota, New Hampshire and North Dakota.

- Statistic could not be calculated.

A percent of 0.00 represents a value that is below 0.005.

Table 2.14
All Cancer Sites (Invasive)

Risk of Being Diagnosed With Cancer in 10, 20 and 30 Years,
Lifetime Risk of Being Diagnosed with Cancer Given Alive and Cancer-Free at Current Age, and
Lifetime Risk of Dying from Cancer Given Alive at Current Age
Females, 2006-2008 By Race/Ethnicity

| Race/ Ethnicity | Current Age | Risk of Being Diagnosed with Cancer | | | | Risk of Dying from Cancer | Race/ Ethnicity | Current Age | Risk of Being Diagnosed with Cancer | | | | Risk of Dying from Cancer |
|--------------------|----------------|--|---------|---------|-------|------------------------------|--|----------------|--|---------|---------|-------|------------------------------|
| | | +10 yrs | +20 yrs | +30 yrs | Ever | | | | +10 yrs | +20 yrs | +30 yrs | Ever | |
| All Races | 0 | 0.15 | 0.32 | 0.82 | 38.08 | 19.50 | Asian/ Pacific Islander | 0 | 0.13 | 0.27 | 0.63 | 33.67 | 16.44 |
| | 10 | 0.17 | 0.67 | 2.03 | 38.39 | 19.71 | | 10 | 0.14 | 0.50 | 1.59 | 33.83 | 16.54 |
| | 20 | 0.50 | 1.86 | 5.05 | 38.36 | 19.74 | | 20 | 0.36 | 1.46 | 4.24 | 33.78 | 16.55 |
| | 30 | 1.37 | 4.59 | 10.28 | 38.21 | 19.79 | | 30 | 1.10 | 3.90 | 8.49 | 33.63 | 16.55 |
| | 40 | 3.28 | 9.10 | 18.10 | 37.60 | 19.78 | | 40 | 2.84 | 7.49 | 14.09 | 32.98 | 16.48 |
| | 50 | 6.10 | 15.54 | 26.22 | 35.97 | 19.53 | | 50 | 4.81 | 11.64 | 20.17 | 31.19 | 16.18 |
| | 60 | 10.34 | 22.04 | 30.30 | 32.72 | 18.59 | | 60 | 7.26 | 16.34 | 24.06 | 28.06 | 15.37 |
| | 70 | 13.94 | 23.80 | - | 26.68 | 16.18 | | 70 | 10.14 | 18.77 | - | 23.24 | 13.86 |
| 80 | 13.96 | - | - | 18.05 | 12.01 | 80 | 10.82 | - | - | 16.43 | 11.00 | | |
| White | 0 | 0.16 | 0.34 | 0.86 | 38.83 | 19.70 | American Indian/ Alaska Native ^a | 0 | 0.12 | 0.22 | 0.56 | 28.12 | 16.32 |
| | 10 | 0.18 | 0.71 | 2.11 | 39.08 | 19.88 | | 10 | 0.11 | 0.44 | 1.46 | 28.36 | 16.53 |
| | 20 | 0.53 | 1.94 | 5.18 | 39.05 | 19.90 | | 20 | 0.34 | 1.36 | 3.65 | 28.41 | 16.60 |
| | 30 | 1.42 | 4.69 | 10.49 | 38.88 | 19.95 | | 30 | 1.04 | 3.35 | 7.22 | 28.44 | 16.74 |
| | 40 | 3.34 | 9.25 | 18.49 | 38.23 | 19.94 | | 40 | 2.38 | 6.36 | 13.17 | 28.17 | 16.93 |
| | 50 | 6.20 | 15.88 | 26.86 | 36.57 | 19.69 | | 50 | 4.20 | 11.39 | 19.46 | 27.20 | 16.97 |
| | 60 | 10.60 | 22.60 | 30.92 | 33.23 | 18.74 | | 60 | 7.83 | 16.63 | 22.76 | 25.06 | 16.54 |
| | 70 | 14.32 | 24.24 | - | 27.00 | 16.29 | | 70 | 10.43 | 17.70 | - | 20.42 | 14.76 |
| 80 | 14.14 | - | - | 18.07 | 12.01 | 80 | 10.11 | - | - | 13.90 | 11.20 | | |
| Black | 0 | 0.11 | 0.24 | 0.59 | 33.43 | 19.26 | Hispanic ^b | 0 | 0.15 | 0.30 | 0.72 | 34.69 | 15.39 |
| | 10 | 0.13 | 0.49 | 1.60 | 34.06 | 19.67 | | 10 | 0.16 | 0.57 | 1.72 | 34.92 | 15.53 |
| | 20 | 0.36 | 1.48 | 4.37 | 34.07 | 19.70 | | 20 | 0.42 | 1.57 | 4.20 | 34.87 | 15.53 |
| | 30 | 1.13 | 4.05 | 9.58 | 34.07 | 19.79 | | 30 | 1.16 | 3.81 | 8.53 | 34.71 | 15.54 |
| | 40 | 2.99 | 8.65 | 17.17 | 33.73 | 19.83 | | 40 | 2.69 | 7.48 | 14.87 | 34.09 | 15.46 |
| | 50 | 5.99 | 15.01 | 24.23 | 32.55 | 19.60 | | 50 | 4.97 | 12.64 | 21.81 | 32.57 | 15.19 |
| | 60 | 10.16 | 20.55 | 27.66 | 29.92 | 18.62 | | 60 | 8.24 | 18.10 | 25.95 | 29.67 | 14.44 |
| | 70 | 12.97 | 21.85 | - | 24.67 | 16.18 | | 70 | 11.35 | 20.39 | - | 24.68 | 12.84 |
| 80 | 13.31 | - | - | 17.55 | 12.45 | 80 | 12.00 | - | - | 17.69 | 9.96 | | |

Devcan Version 6.6.0, October 2011, National Cancer Institute (<http://surveillance.cancer.gov/devcan/>).

Source: Incidence data are from the SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey). Mortality data are from the NCHS public use data file for the total US.

^a Underlying incidence and mortality data for American Indian/Alaska Native 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.

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

Underlying mortality data for Hispanics exclude deaths from the District of Columbia, Minnesota, New Hampshire and North Dakota.

- Statistic could not be calculated.

A percent of 0.00 represents a value that is below 0.005.

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 17 Areas ^b | | | SEER 13 Areas ^b | | | SEER 9 Areas ^b | | |
|-----------------------------------|----------------------------|-------|---------|------------------------------|-------|---------|------------------------------|-------|---------|
| | Rate 2004-2008 | | | Trend 1999-2008 ^c | | | Trend 1999-2008 ^d | | |
| | Rate per 100,000 persons | | | AAPC (%) | | | AAPC (%) | | |
| RACE/ETHNICITY | Total | Males | Females | Total | Males | Females | Total | Males | Females |
| All Races | 464.4 | 541.0 | 411.6 | -0.7* | -1.0* | -0.4* | -0.6* | -0.8* | -0.4* |
| White | 471.8 | 543.6 | 423.0 | -0.7* | -0.9* | -0.5* | -0.7* | -0.9* | -0.5* |
| White Hispanic ^e | 361.8 | 411.8 | 331.1 | -0.5* | -1.5* | 0.0 | - | - | - |
| White Non-Hispanic ^e | 490.9 | 565.3 | 439.4 | -0.6* | -0.8* | -0.4* | - | - | - |
| Black | 491.2 | 626.1 | 400.9 | -0.8* | -1.6* | -0.1 | -0.8* | -1.5* | 0.0 |
| Asian/Pacific Islander | 315.9 | 347.7 | 297.0 | -0.4* | -1.0* | 0.3* | - | - | - |
| Amer Ind/Alaska Nat ^f | 319.9 | 338.0 | 309.0 | 0.0 | -0.7 | 0.7* | - | - | - |
| Hispanic ^e | 356.1 | 407.3 | 324.4 | -0.4* | -1.4* | 0.1 | - | - | - |
| <u>U.S. Mortality^g</u> | | | | | | | | | |
| | Rate 2004-2008 | | | Trend 1999-2008 ^h | | | | | |
| | Rate per 100,000 persons | | | AAPC (%) | | | | | |
| RACE/ETHNICITY | Total | Males | Females | Total | Males | Females | | | |
| All Races | 181.3 | 223.0 | 153.2 | -1.4* | -1.7* | -1.3* | | | |
| White | 180.0 | 220.0 | 152.8 | -1.3* | -1.6* | -1.2* | | | |
| White Hispanic ^e | 125.2 | 154.0 | 105.2 | -1.7* | -2.2* | -1.3* | | | |
| White Non-Hispanic ^e | 184.3 | 225.1 | 156.6 | -1.2* | -1.5* | -1.1* | | | |
| Black | 220.8 | 295.3 | 177.7 | -1.9* | -2.3* | -1.5* | | | |
| Asian/Pacific Islander | 110.9 | 134.7 | 94.1 | -1.5* | -1.8* | -1.0* | | | |
| Amer Ind/Alaska Nat | | | | | | | | | |
| Total U.S. | 124.6 | 148.4 | 107.7 | -1.3* | -1.9* | -0.7* | | | |
| CHSDA Counties | 159.6 | 190.0 | 138.4 | -0.1 | -0.2 | 0.0 | | | |
| Non-CHSDA Counties | 82.2 | 99.0 | 69.7 | -2.8* | -3.6* | -1.3* | | | |
| Hispanic ^e | 121.0 | 149.1 | 101.5 | -1.8* | -2.3* | -1.3* | | | |

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.5, April 2011, National Cancer Institute.

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

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

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

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

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

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

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

c The 1999-2008 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over diagnosis years 1992-2008.

d The 1999-2008 AAPC estimates are based on a Joinpoint analysis with up to 5 Joinpoints over diagnosis years 1975-2008.

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 2004-2008 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia and North Dakota.

The 1999-2008 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.

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

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

h The 1999-2008 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2008.

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

Table 2.16
All Cancer Sites (Invasive)

Age-Adjusted SEER Incidence Rates^a
By Registry, Race and Sex

| | All Races | | | Whites | | | Blacks | | |
|--|-----------|--------|---------|--------|--------|---------|--------|--------|---------|
| | Total | Males | Females | Total | Males | Females | Total | Males | Females |
| <u>SEER Incidence Rates^a, 2004-2008</u> | | | | | | | | | |
| Atlanta & Rural Georgia | 446.72 | 539.76 | 383.19 | 442.53 | 515.69 | 394.29 | 480.10 | 638.90 | 381.03 |
| Atlanta | 445.76 | 536.52 | 384.25 | 440.03 | 510.99 | 393.88 | 485.21 | 643.73 | 387.01 |
| Rural Georgia | 464.12 | 593.60 | 368.06 | 483.92 | 587.33 | 404.04 | 426.17 | 606.79 | 308.50 |
| California | 438.06 | 505.08 | 392.19 | 448.84 | 512.64 | 405.51 | 465.77 | 572.46 | 391.23 |
| Greater Bay Area | 440.23 | 505.00 | 395.89 | 467.61 | 534.00 | 421.86 | 484.65 | 597.79 | 404.92 |
| San Francisco-Oakland | 444.11 | 509.68 | 398.93 | 470.19 | 535.51 | 424.76 | 492.23 | 606.69 | 413.10 |
| San Jose-Monterey | 432.61 | 496.15 | 389.54 | 462.97 | 531.51 | 416.47 | 433.46 | 545.69 | 338.63 |
| Los Angeles | 420.22 | 484.19 | 378.69 | 425.72 | 481.72 | 390.44 | 463.00 | 565.25 | 396.31 |
| Greater California | 445.66 | 514.59 | 397.43 | 452.57 | 518.31 | 406.96 | 461.32 | 569.48 | 378.70 |
| Connecticut | 504.69 | 582.03 | 453.80 | 507.19 | 579.65 | 460.75 | 476.10 | 606.25 | 386.96 |
| Detroit | 515.96 | 617.77 | 447.60 | 506.53 | 589.51 | 452.92 | 549.06 | 711.47 | 443.25 |
| Hawaii | 432.20 | 495.76 | 387.52 | 531.98 | 627.21 | 454.05 | 334.63 | 410.74 | 231.73 |
| Iowa | 476.11 | 552.91 | 424.48 | 471.65 | 544.87 | 423.04 | 540.23 | 695.38 | 419.57 |
| Kentucky | 511.81 | 602.63 | 450.47 | 509.22 | 597.39 | 449.75 | 532.30 | 663.38 | 447.96 |
| Louisiana | 488.75 | 608.30 | 403.12 | 484.00 | 590.32 | 406.61 | 516.95 | 688.32 | 405.00 |
| New Jersey | 502.06 | 584.98 | 447.86 | 509.84 | 585.28 | 461.67 | 476.98 | 605.48 | 395.09 |
| New Mexico | 405.17 | 459.05 | 363.82 | 416.63 | 472.10 | 373.54 | 272.84 | 288.69 | 252.67 |
| Seattle-Puget Sound | 499.92 | 571.41 | 448.78 | 512.22 | 581.74 | 462.36 | 511.57 | 636.84 | 405.89 |
| Utah | 397.65 | 469.75 | 341.04 | 403.44 | 476.25 | 346.17 | 295.25 | 351.18 | 239.19 |
| 9 SEER Areas ^b | 469.22 | 545.47 | 415.96 | 477.50 | 549.03 | 428.10 | 504.97 | 647.94 | 409.10 |
| 11 SEER Areas ^b | 456.14 | 529.17 | 405.95 | 465.78 | 534.25 | 419.26 | 493.05 | 624.43 | 405.05 |
| 13 SEER Areas ^b | 456.26 | 529.39 | 405.98 | 465.84 | 534.44 | 419.21 | 491.98 | 624.03 | 403.54 |
| 17 SEER Areas ^b | 464.41 | 541.04 | 411.64 | 471.83 | 543.57 | 422.96 | 491.16 | 626.07 | 400.94 |

^a Rates are per 100,000 and are 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 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.

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

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

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

Table 2.17
All Cancer Sites (Invasive)

Age-Adjusted SEER Death Rates^a
By Registry, Race and Sex

| | All Races | | | Whites | | | Blacks | | |
|--|-----------|--------|---------|--------|--------|---------|--------|--------|---------|
| | Total | Males | Females | Total | Males | Females | Total | Males | Females |
| <u>SEER Death Rates^a, 2004-2008</u> | | | | | | | | | |
| Atlanta & Rural Georgia | 164.15 | 202.05 | 142.16 | 151.65 | 182.68 | 133.25 | 203.38 | 276.04 | 166.65 |
| Atlanta | 162.09 | 198.41 | 141.43 | 149.65 | 179.40 | 132.49 | 202.16 | 273.55 | 166.91 |
| Rural Georgia | 201.06 | 263.78 | 157.21 | 188.11 | 238.82 | 148.90 | 229.56 | 329.55 | 171.65 |
| California | 165.13 | 197.45 | 143.44 | 169.19 | 201.08 | 147.87 | 218.16 | 276.60 | 183.70 |
| Greater Bay Area | 156.72 | 184.11 | 138.85 | 163.12 | 189.36 | 146.39 | 223.23 | 275.59 | 193.24 |
| San Francisco-Oakland | 160.36 | 188.84 | 141.83 | 165.33 | 191.89 | 148.24 | 228.77 | 280.78 | 199.14 |
| San Jose-Monterey | 149.46 | 174.77 | 132.86 | 159.24 | 185.04 | 143.11 | 187.05 | 251.51 | 144.26 |
| Los Angeles | 160.20 | 191.48 | 140.01 | 160.35 | 188.82 | 142.22 | 221.18 | 283.47 | 185.67 |
| Greater California | 170.39 | 204.88 | 146.66 | 174.40 | 209.23 | 150.47 | 212.61 | 271.03 | 175.52 |
| Connecticut | 176.91 | 216.40 | 152.49 | 177.02 | 215.80 | 153.26 | 191.69 | 248.79 | 157.43 |
| Detroit | 191.70 | 231.75 | 166.93 | 183.21 | 219.05 | 160.83 | 232.12 | 297.96 | 193.64 |
| Hawaii | 149.15 | 186.22 | 120.66 | 179.04 | 218.71 | 149.95 | 112.50 | 155.86 | 56.29 |
| Iowa | 180.52 | 224.69 | 151.73 | 180.31 | 224.16 | 151.74 | 246.18 | 339.29 | 189.45 |
| Kentucky | 213.58 | 271.17 | 175.08 | 212.65 | 269.48 | 174.35 | 247.15 | 328.42 | 199.62 |
| Louisiana | 208.41 | 268.14 | 168.57 | 195.47 | 247.59 | 159.97 | 252.47 | 346.47 | 195.38 |
| New Jersey | 182.57 | 218.49 | 160.63 | 184.03 | 219.25 | 162.40 | 210.71 | 269.18 | 178.28 |
| New Mexico | 160.84 | 193.02 | 136.85 | 164.11 | 197.48 | 139.05 | 151.68 | 174.17 | 128.55 |
| Seattle-Puget Sound | 176.34 | 209.11 | 154.11 | 179.07 | 211.25 | 157.34 | 210.38 | 258.24 | 176.29 |
| Utah | 131.78 | 158.27 | 112.39 | 132.24 | 158.63 | 112.96 | 143.50 | 171.88 | 124.23 |
| 9 SEER Areas ^b | 169.87 | 205.06 | 146.70 | 170.46 | 204.72 | 148.02 | 214.80 | 276.03 | 179.52 |
| 11 SEER Areas ^b | 166.62 | 200.40 | 144.47 | 167.85 | 200.47 | 146.62 | 215.89 | 277.41 | 180.49 |
| 13 SEER Areas ^b | 166.88 | 200.75 | 144.62 | 167.95 | 200.60 | 146.64 | 215.91 | 278.03 | 180.10 |
| 17 SEER Areas ^b | 174.92 | 211.89 | 150.41 | 176.21 | 212.25 | 152.34 | 221.89 | 289.07 | 182.51 |
| Total U.S. | 181.32 | 223.04 | 153.25 | 180.01 | 220.04 | 152.83 | 220.81 | 295.33 | 177.67 |

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

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

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

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

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

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

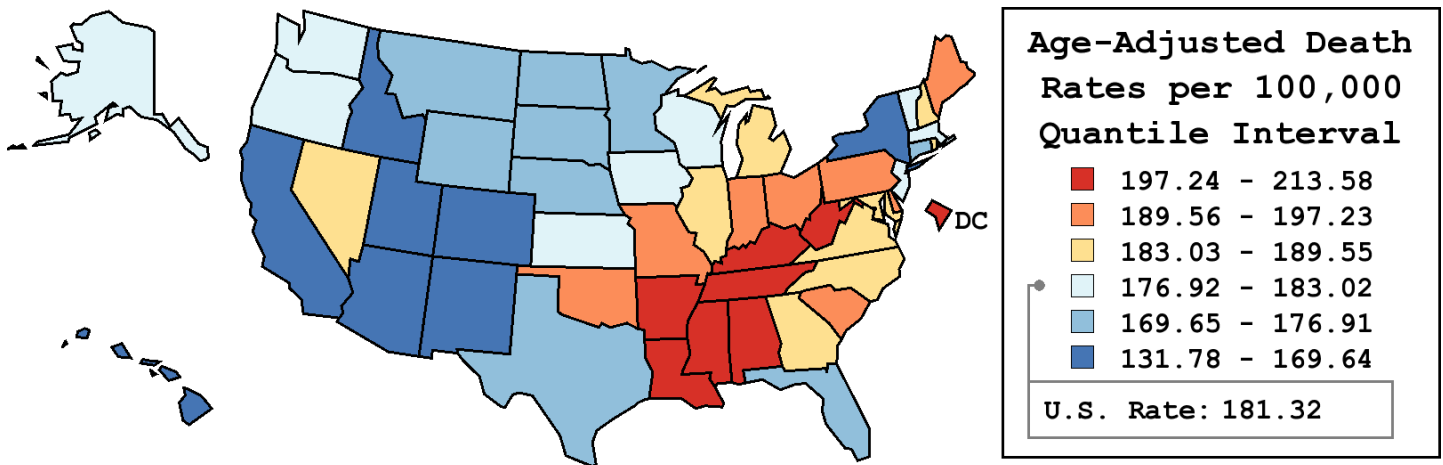
Table 2.18
All Cancer Sites (Invasive)

Age-Adjusted Cancer Death^a Rates by State, All Races, 2004-2008

Males and Females

| State | Rate | SE | Rank | PD |
|------------------|---------------------|------|------|---------------------|
| TOTAL U.S. | 181.32 | 0.11 | | |
| High Five States | | | | |
| Kentucky | 213.58 ^b | 0.99 | (01) | 17.79 ^c |
| Louisiana | 208.41 ^b | 0.98 | (02) | 14.94 ^c |
| West Virginia | 207.83 ^b | 1.37 | (03) | 14.62 ^c |
| Mississippi | 206.82 ^b | 1.19 | (04) | 14.06 ^c |
| Tennessee | 202.83 ^b | 0.80 | (05) | 11.86 ^c |
| Low Five States | | | | |
| New Mexico | 160.84 ^b | 1.28 | (47) | -11.29 ^c |
| Arizona | 156.15 ^b | 0.70 | (48) | -13.88 ^c |
| Colorado | 156.09 ^b | 0.88 | (49) | -13.91 ^c |
| Hawaii | 149.15 ^b | 1.44 | (50) | -17.74 ^c |
| Utah | 131.78 ^b | 1.18 | (51) | -27.32 ^c |

| State | Rate | SE | Rank | PD | State | Rate | SE | Rank | PD |
|---------------|---------------------|------|------|---------------------|----------------|---------------------|------|------|---------------------|
| Alabama | 199.86 ^b | 0.90 | (07) | 10.23 ^c | Montana | 175.70 | 1.81 | (36) | -3.10 |
| Alaska | 181.15 | 3.11 | (30) | -0.09 | Nebraska | 175.43 ^b | 1.36 | (37) | -3.25 |
| Arizona | 156.15 ^b | 0.70 | (48) | -13.88 ^c | Nevada | 186.14 ^b | 1.30 | (21) | 2.66 |
| Arkansas | 201.70 ^b | 1.14 | (06) | 11.24 ^c | New Hampshire | 184.17 | 1.64 | (24) | 1.57 |
| California | 165.13 ^b | 0.32 | (46) | -8.93 ^c | New Jersey | 182.57 | 0.63 | (28) | 0.69 |
| Colorado | 156.09 ^b | 0.88 | (49) | -13.91 ^c | New Mexico | 160.84 ^b | 1.28 | (47) | -11.29 ^c |
| Connecticut | 176.91 ^b | 0.96 | (35) | -2.43 | New York | 169.64 ^b | 0.40 | (44) | -6.44 ^c |
| Delaware | 196.62 ^b | 2.06 | (11) | 8.44 ^c | North Carolina | 189.55 ^b | 0.65 | (17) | 4.54 |
| D.C. | 198.33 ^b | 2.63 | (08) | 9.38 ^c | North Dakota | 172.97 ^b | 2.17 | (39) | -4.60 |
| Florida | 172.49 ^b | 0.39 | (40) | -4.87 | Ohio | 197.23 ^b | 0.56 | (09) | 8.77 ^c |
| Georgia | 183.14 | 0.69 | (25) | 1.00 | Oklahoma | 195.87 ^b | 1.01 | (13) | 8.03 ^c |
| Hawaii | 149.15 ^b | 1.44 | (50) | -17.74 ^c | Oregon | 183.02 | 0.96 | (26) | 0.94 |
| Idaho | 167.84 ^b | 1.55 | (45) | -7.43 ^c | Pennsylvania | 190.25 ^b | 0.50 | (16) | 4.92 |
| Illinois | 189.29 ^b | 0.55 | (19) | 4.40 | Rhode Island | 184.95 | 1.75 | (23) | 2.00 |
| Indiana | 197.18 ^b | 0.78 | (10) | 8.75 ^c | South Carolina | 191.08 ^b | 0.92 | (15) | 5.38 ^c |
| Iowa | 180.52 | 1.02 | (32) | -0.44 | South Dakota | 172.37 ^b | 1.96 | (41) | -4.93 |
| Kansas | 180.75 | 1.11 | (31) | -0.32 | Tennessee | 202.83 ^b | 0.80 | (05) | 11.86 ^c |
| Kentucky | 213.58 ^b | 0.99 | (01) | 17.79 ^c | Texas | 174.75 ^b | 0.42 | (38) | -3.62 |
| Louisiana | 208.41 ^b | 0.98 | (02) | 14.94 ^c | Utah | 131.78 ^b | 1.18 | (51) | -27.32 ^c |
| Maine | 195.96 ^b | 1.58 | (12) | 8.08 ^c | Vermont | 178.44 | 2.28 | (34) | -1.59 |
| Maryland | 186.82 ^b | 0.83 | (20) | 3.03 | Virginia | 185.65 ^b | 0.71 | (22) | 2.39 |
| Massachusetts | 183.01 | 0.72 | (27) | 0.93 | Washington | 178.59 ^b | 0.76 | (33) | -1.51 |
| Michigan | 189.30 ^b | 0.60 | (18) | 4.40 | West Virginia | 207.83 ^b | 1.37 | (03) | 14.62 ^c |
| Minnesota | 171.47 ^b | 0.81 | (42) | -5.43 ^c | Wisconsin | 181.48 | 0.78 | (29) | 0.09 |
| Mississippi | 206.82 ^b | 1.19 | (04) | 14.06 ^c | Wyoming | 171.02 ^b | 2.57 | (43) | -5.68 ^c |
| Missouri | 194.46 ^b | 0.78 | (14) | 7.25 ^c | | | | | |



^a US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention. Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).
^b Difference between state rate and total U.S. rate is statistically significant (p<=.0002).
^c Absolute percent difference between state rate and total U.S. rate is 5% or more.
SE Standard error of the rate.
PD Percent difference between state rate and total U.S. rate.
- Statistic not shown. Rate based on less than 16 cases for the time interval.

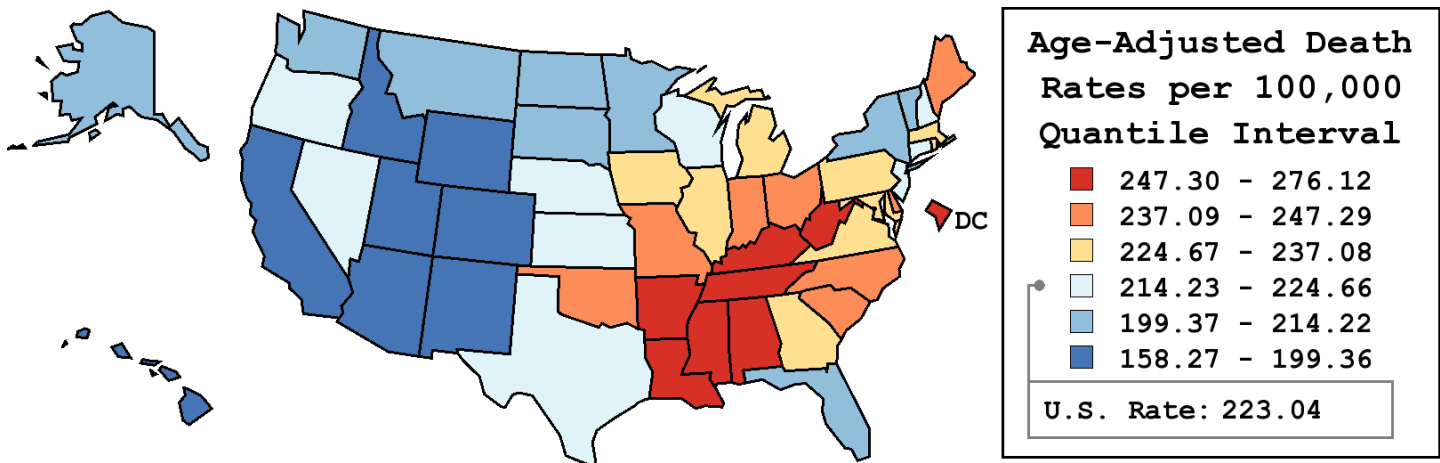
Table 2.19
All Cancer Sites (Invasive)

Age-Adjusted Cancer Death^a Rates by State, All Races, 2004-2008

Males

| State | Rate | SE | Rank | PD |
|------------------|---------------------|------|------|---------------------|
| TOTAL U.S. | 223.04 | 0.19 | | |
| High Five States | | | | |
| Mississippi | 276.12 ^b | 2.18 | (01) | 23.80 ^c |
| Kentucky | 271.17 ^b | 1.75 | (02) | 21.58 ^c |
| Louisiana | 268.14 ^b | 1.76 | (03) | 20.22 ^c |
| Alabama | 261.97 ^b | 1.63 | (04) | 17.45 ^c |
| Tennessee | 261.08 ^b | 1.44 | (05) | 17.05 ^c |
| Low Five States | | | | |
| New Mexico | 193.02 ^b | 2.13 | (47) | -13.46 ^c |
| Colorado | 187.26 ^b | 1.51 | (48) | -16.04 ^c |
| Arizona | 186.67 ^b | 1.15 | (49) | -16.31 ^c |
| Hawaii | 186.22 ^b | 2.42 | (50) | -16.51 ^c |
| Utah | 158.27 ^b | 1.97 | (51) | -29.04 ^c |

| State | Rate | SE | Rank | PD | State | Rate | SE | Rank | PD |
|---------------|---------------------|------|------|---------------------|----------------|---------------------|------|------|---------------------|
| Alabama | 261.97 ^b | 1.63 | (04) | 17.45 ^c | Montana | 208.07 ^b | 2.98 | (42) | -6.71 ^c |
| Alaska | 212.35 | 5.20 | (38) | -4.79 | Nebraska | 217.13 | 2.33 | (32) | -2.65 |
| Arizona | 186.67 ^b | 1.15 | (49) | -16.31 ^c | Nevada | 214.66 ^b | 2.08 | (34) | -3.76 |
| Arkansas | 254.87 ^b | 1.97 | (08) | 14.27 ^c | New Hampshire | 223.41 | 2.82 | (27) | 0.17 |
| California | 197.45 ^b | 0.54 | (46) | -11.48 ^c | New Jersey | 218.49 ^b | 1.08 | (29) | -2.04 |
| Colorado | 187.26 ^b | 1.51 | (48) | -16.04 ^c | New Mexico | 193.02 ^b | 2.13 | (47) | -13.46 ^c |
| Connecticut | 216.40 ^b | 1.66 | (33) | -2.98 | New York | 204.58 ^b | 0.70 | (43) | -8.28 ^c |
| Delaware | 238.46 ^b | 3.51 | (16) | 6.91 ^c | North Carolina | 241.37 ^b | 1.17 | (15) | 8.22 ^c |
| D.C. | 260.44 ^b | 4.89 | (06) | 16.77 ^c | North Dakota | 212.84 | 3.63 | (37) | -4.58 |
| Florida | 209.42 ^b | 0.64 | (40) | -6.11 ^c | Ohio | 246.49 ^b | 0.99 | (10) | 10.51 ^c |
| Georgia | 237.08 ^b | 1.28 | (17) | 6.29 ^c | Oklahoma | 245.45 ^b | 1.75 | (12) | 10.04 ^c |
| Hawaii | 186.22 ^b | 2.42 | (50) | -16.51 ^c | Oregon | 217.68 | 1.60 | (31) | -2.41 |
| Idaho | 197.85 ^b | 2.54 | (45) | -11.29 ^c | Pennsylvania | 235.61 ^b | 0.87 | (18) | 5.63 ^c |
| Illinois | 233.25 ^b | 0.96 | (20) | 4.58 | Rhode Island | 234.39 ^b | 3.10 | (19) | 5.09 ^c |
| Indiana | 247.29 ^b | 1.38 | (09) | 10.87 ^c | South Carolina | 245.71 ^b | 1.64 | (11) | 10.16 ^c |
| Iowa | 224.69 | 1.75 | (25) | 0.74 | South Dakota | 214.17 | 3.30 | (36) | -3.98 |
| Kansas | 224.66 | 1.91 | (26) | 0.72 | Tennessee | 261.08 ^b | 1.44 | (05) | 17.05 ^c |
| Kentucky | 271.17 ^b | 1.75 | (02) | 21.58 ^c | Texas | 217.82 ^b | 0.74 | (30) | -2.34 |
| Louisiana | 268.14 ^b | 1.76 | (03) | 20.22 ^c | Utah | 158.27 ^b | 1.97 | (51) | -29.04 ^c |
| Maine | 243.44 ^b | 2.74 | (13) | 9.15 ^c | Vermont | 214.22 | 3.89 | (35) | -3.95 |
| Maryland | 229.69 ^b | 1.47 | (23) | 2.98 | Virginia | 232.72 ^b | 1.27 | (21) | 4.34 |
| Massachusetts | 227.26 | 1.26 | (24) | 1.89 | Washington | 211.94 ^b | 1.27 | (39) | -4.98 |
| Michigan | 231.08 ^b | 1.04 | (22) | 3.60 | West Virginia | 257.12 ^b | 2.37 | (07) | 15.28 ^c |
| Minnesota | 208.79 ^b | 1.38 | (41) | -6.39 ^c | Wisconsin | 222.78 | 1.34 | (28) | -0.12 |
| Mississippi | 276.12 ^b | 2.18 | (01) | 23.80 ^c | Wyoming | 199.36 ^b | 4.22 | (44) | -10.62 ^c |
| Missouri | 242.03 ^b | 1.36 | (14) | 8.51 ^c | | | | | |



^a US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention. Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).
^b Difference between state rate and total U.S. rate is statistically significant (p<=.0002).
^c Absolute percent difference between state rate and total U.S. rate is 5% or more.
SE Standard error of the rate.
PD Percent difference between state rate and total U.S. rate.
- Statistic not shown. Rate based on less than 16 cases for the time interval.

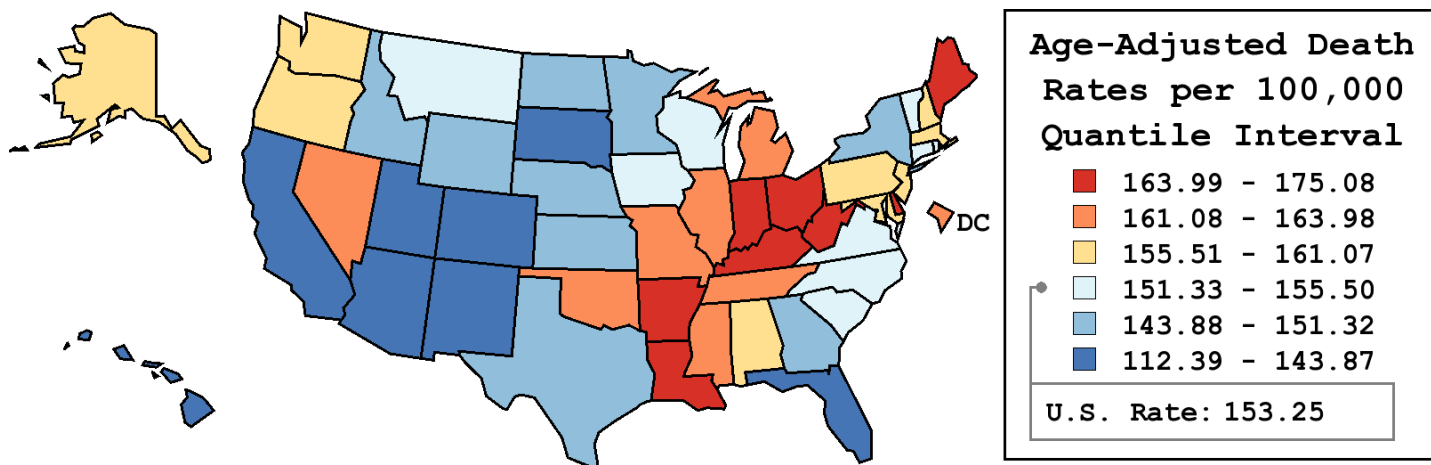
Table 2.20
All Cancer Sites (Invasive)

Age-Adjusted Cancer Death^a Rates by State, All Races, 2004-2008

Females

| State | Rate | SE | Rank | PD |
|------------------|---------------------|------|------|---------------------|
| TOTAL U.S. | 153.25 | 0.13 | | |
| High Five States | | | | |
| Kentucky | 175.08 ^b | 1.19 | (01) | 14.24 ^c |
| West Virginia | 174.05 ^b | 1.69 | (02) | 13.57 ^c |
| Louisiana | 168.57 ^b | 1.17 | (03) | 10.00 ^c |
| Delaware | 167.54 ^b | 2.54 | (04) | 9.33 ^c |
| Ohio | 165.50 ^b | 0.68 | (05) | 7.99 ^c |
| Low Five States | | | | |
| New Mexico | 136.85 ^b | 1.59 | (47) | -10.70 ^c |
| Colorado | 135.65 ^b | 1.09 | (48) | -11.48 ^c |
| Arizona | 132.43 ^b | 0.88 | (49) | -13.58 ^c |
| Hawaii | 120.66 ^b | 1.77 | (50) | -21.27 ^c |
| Utah | 112.39 ^b | 1.47 | (51) | -26.66 ^c |

| State | Rate | SE | Rank | PD | State | Rate | SE | Rank | PD |
|---------------|---------------------|------|------|---------------------|----------------|---------------------|------|------|---------------------|
| Alabama | 158.71 ^b | 1.06 | (22) | 3.56 | Montana | 152.95 | 2.30 | (32) | -0.19 |
| Alaska | 157.23 | 3.89 | (23) | 2.60 | Nebraska | 147.19 ^b | 1.68 | (40) | -3.95 |
| Arizona | 132.43 ^b | 0.88 | (49) | -13.58 ^c | Nevada | 163.02 ^b | 1.65 | (10) | 6.37 ^c |
| Arkansas | 164.07 ^b | 1.38 | (08) | 7.06 ^c | New Hampshire | 159.10 | 2.04 | (20) | 3.82 |
| California | 143.44 ^b | 0.40 | (45) | -6.40 ^c | New Jersey | 160.63 ^b | 0.78 | (18) | 4.81 |
| Colorado | 135.65 ^b | 1.09 | (48) | -11.48 ^c | New Mexico | 136.85 ^b | 1.59 | (47) | -10.70 ^c |
| Connecticut | 152.49 | 1.18 | (33) | -0.49 | New York | 147.95 ^b | 0.50 | (38) | -3.46 |
| Delaware | 167.54 ^b | 2.54 | (04) | 9.33 ^c | North Carolina | 155.47 | 0.78 | (28) | 1.45 |
| D.C. | 161.10 | 3.09 | (16) | 5.12 ^c | North Dakota | 146.02 | 2.72 | (41) | -4.72 |
| Florida | 143.87 ^b | 0.48 | (44) | -6.12 ^c | Ohio | 165.50 ^b | 0.68 | (05) | 7.99 ^c |
| Georgia | 149.54 ^b | 0.81 | (37) | -2.42 | Oklahoma | 161.49 ^b | 1.24 | (14) | 5.37 ^c |
| Hawaii | 120.66 ^b | 1.77 | (50) | -21.27 ^c | Oregon | 158.71 ^b | 1.21 | (21) | 3.57 |
| Idaho | 145.67 ^b | 1.97 | (42) | -4.94 | Pennsylvania | 161.07 ^b | 0.62 | (17) | 5.10 ^c |
| Illinois | 162.03 ^b | 0.67 | (13) | 5.73 ^c | Rhode Island | 155.02 | 2.13 | (29) | 1.16 |
| Indiana | 164.82 ^b | 0.95 | (06) | 7.55 ^c | South Carolina | 153.86 | 1.09 | (31) | 0.40 |
| Iowa | 151.73 | 1.27 | (34) | -0.99 | South Dakota | 142.67 ^b | 2.43 | (46) | -6.90 ^c |
| Kansas | 151.32 | 1.37 | (35) | -1.26 | Tennessee | 163.98 ^b | 0.95 | (09) | 7.00 ^c |
| Kentucky | 175.08 ^b | 1.19 | (01) | 14.24 ^c | Texas | 145.15 ^b | 0.51 | (43) | -5.29 ^c |
| Louisiana | 168.57 ^b | 1.17 | (03) | 10.00 ^c | Utah | 112.39 ^b | 1.47 | (51) | -26.66 ^c |
| Maine | 164.74 ^b | 1.94 | (07) | 7.50 ^c | Vermont | 155.49 | 2.85 | (27) | 1.46 |
| Maryland | 159.71 ^b | 1.01 | (19) | 4.22 | Virginia | 155.50 | 0.86 | (26) | 1.47 |
| Massachusetts | 155.97 | 0.88 | (24) | 1.78 | Washington | 155.71 | 0.95 | (25) | 1.60 |
| Michigan | 162.05 ^b | 0.74 | (12) | 5.74 ^c | West Virginia | 174.05 ^b | 1.69 | (02) | 13.57 ^c |
| Minnesota | 147.63 ^b | 1.01 | (39) | -3.67 | Wisconsin | 154.34 | 0.97 | (30) | 0.71 |
| Mississippi | 161.37 ^b | 1.39 | (15) | 5.30 ^c | Wyoming | 150.71 | 3.28 | (36) | -1.66 |
| Missouri | 162.66 ^b | 0.96 | (11) | 6.14 ^c | | | | | |



^a US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention. Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).
^b Difference between state rate and total U.S. rate is statistically significant (p<=.0002).
^c Absolute percent difference between state rate and total U.S. rate is 5% or more.
SE Standard error of the rate.
PD Percent difference between state rate and total U.S. rate.
- Statistic not shown. Rate based on less than 16 cases for the time interval.

Table 2.21
All Cancer Sites (Invasive)

Estimated United States Cancer Prevalence Counts^a on January 1, 2008
By Race/Ethnicity, Sex and Years Since Diagnosis

| Years Since Diagnosis | | 0 to <5 | 5 to <10 | 10 to <15 | 15 to <20 | 20 to <25 | 25 to <30 | 0 to <18 ^e | 0 to <33 ^e | >=33 ^g | Complete ^h |
|--|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------------------|-----------------------|-------------------|-----------------------|
| <u>Race</u> | <u>Sex</u> | | | | | | | | | | |
| All Races ^b | Both Sexes | 4,132,758 | 2,851,221 | 1,878,782 | 1,129,972 | 658,827 | 413,357 | 9,795,922 | 11,478,794 | 478,805 | 11,957,599 |
| | Males | 2,121,106 | 1,419,006 | 899,769 | 444,824 | 220,318 | 123,455 | 4,857,657 | 5,407,975 | 97,887 | 5,505,862 |
| | Females | 2,011,652 | 1,432,215 | 979,013 | 685,148 | 438,509 | 289,902 | 4,938,265 | 6,070,819 | 380,918 | 6,451,737 |
| White ^b | Both Sexes | 3,552,919 | 2,502,741 | 1,667,443 | 1,025,739 | 599,931 | 378,080 | 8,540,079 | 10,073,552 | 422,039 | 10,495,591 |
| | Males | 1,815,492 | 1,236,957 | 795,345 | 407,506 | 202,679 | 114,503 | 4,213,126 | 4,720,180 | 91,527 | 4,811,707 |
| | Females | 1,737,427 | 1,265,784 | 872,098 | 618,233 | 397,252 | 263,577 | 4,326,953 | 5,353,372 | 330,512 | 5,683,884 |
| Black ^b | Both Sexes | 390,394 | 234,454 | 143,332 | 68,326 | 37,830 | 22,314 | 840,720 | 936,612 | 26,988 | 963,600 |
| | Males | 210,085 | 129,069 | 74,942 | 25,196 | 10,920 | 5,197 | 447,658 | 474,747 | 2,566 | 477,313 |
| | Females | 180,309 | 105,385 | 68,390 | 43,130 | 26,910 | 17,117 | 393,062 | 461,865 | 24,422 | 486,287 |
| Asian/ Pacific Islander ^c | Both Sexes | 117,499 | 71,722 | 42,716 | + | + | + | 248,042 | + | + | + |
| | Males | 51,757 | 29,223 | 16,203 | + | + | + | 102,531 | + | + | + |
| | Females | 65,742 | 42,499 | 26,513 | + | + | + | 145,511 | + | + | + |
| Hispanic ^d | Both Sexes | 264,703 | 162,108 | 96,892 | + | + | + | 563,739 | + | + | + |
| | Males | 127,349 | 75,681 | 42,745 | + | + | + | 260,853 | + | + | + |
| | Females | 137,354 | 86,427 | 54,147 | + | + | + | 302,886 | + | + | + |

Estimated prevalence percent^a on January 1, 2008, of the SEER 11 population diagnosed in the previous 18 years
By Age at Prevalence, Race/Ethnicity and Sex

| Age at Prevalence | All Ages | Age Specific (Crude) | | | | | | | | | Age-Adjusted ^f | |
|--|------------|----------------------|---------|---------|---------|---------|---------|---------|----------|----------|---------------------------|---------|
| | | 0-9 | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | 80+ | All Ages | |
| <u>Race</u> | <u>Sex</u> | | | | | | | | | | | |
| All Races ^c | Both Sexes | 2.7119% | 0.0789% | 0.1632% | 0.2690% | 0.6819% | 1.6511% | 3.8386% | 8.5534% | 13.6175% | 14.3510% | 2.7635% |
| | Males | 2.7122% | 0.0839% | 0.1727% | 0.2544% | 0.5250% | 1.1291% | 3.1627% | 9.4144% | 18.1814% | 21.0990% | 3.1491% |
| | Females | 2.7117% | 0.0736% | 0.1533% | 0.2845% | 0.8435% | 2.1749% | 4.4853% | 7.7733% | 10.0184% | 10.6162% | 2.5395% |
| White ^c | Both Sexes | 2.9529% | 0.0850% | 0.1778% | 0.2992% | 0.7570% | 1.7435% | 3.9685% | 8.8923% | 14.2663% | 14.7234% | 2.8859% |
| | Males | 2.9217% | 0.0908% | 0.1891% | 0.2835% | 0.5945% | 1.2063% | 3.2350% | 9.5835% | 18.6768% | 21.2550% | 3.2330% |
| | Females | 2.9843% | 0.0790% | 0.1658% | 0.3164% | 0.9318% | 2.3027% | 4.6947% | 8.2482% | 10.7059% | 11.1238% | 2.6942% |
| Black ^c | Both Sexes | 1.9972% | 0.0564% | 0.1099% | 0.1712% | 0.4640% | 1.3397% | 3.7423% | 9.0015% | 13.2571% | 13.1242% | 2.6219% |
| | Males | 2.2429% | 0.0589% | 0.1099% | 0.1568% | 0.3173% | 0.9417% | 3.8131% | 12.4108% | 20.8943% | 22.8004% | 3.5762% |
| | Females | 1.7742% | 0.0539% | 0.1099% | 0.1852% | 0.5924% | 1.6875% | 3.6834% | 6.3764% | 8.0232% | 8.6223% | 2.0336% |
| Asian/ Pacific Islander ^c | Both Sexes | 1.7873% | 0.0627% | 0.1259% | 0.1673% | 0.4219% | 1.2419% | 2.8185% | 5.2979% | 8.6994% | 10.4282% | 1.8661% |
| | Males | 1.5886% | 0.0662% | 0.1370% | 0.1511% | 0.2623% | 0.6568% | 1.7373% | 4.9396% | 11.0274% | 15.2947% | 1.9117% |
| | Females | 1.9735% | 0.0590% | 0.1142% | 0.1835% | 0.5729% | 1.7777% | 3.7589% | 5.6029% | 6.9589% | 7.3696% | 1.8895% |
| Hispanic ^d | Both Sexes | - | - | - | - | - | - | - | - | - | - | - |
| | Males | - | - | - | - | - | - | - | - | - | - | - |
| | Females | - | - | - | - | - | - | - | - | - | - | - |

^a US 2008 cancer prevalence counts are based on 2008 cancer prevalence proportions from the SEER registries and 1/1/2008 US population estimates based on the average of 2007 and 2008 population estimates from the US Bureau of the Census. Prevalence was calculated using the First Malignant Primary Only for a person.

^{b c d} Statistics based on (b) SEER 9 Areas (c) SEER 11 Areas and Rural Georgia (d) NHIA for Hispanic for SEER 11 Areas and Rural Georgia.

^e Maximum limited-duration prevalence: 33 years for 1975-2008 SEER 9 data; 18 years for 1990-2008 SEER 11 data (used to calculate prevalence for Hispanics and Asian Pacific Islanders).

^f Percentages are age-adjusted to the 2000 US Standard Population (19 age groups - Census P25-1130) by 5-year age groups.

^{g h i} (g) Cases diagnosed more than 33 years ago were estimated using the completeness index method (Capocaccia et. al. 1997, Merrill et. al. 2000). (h) Complete prevalence is obtained by summing 0 to <33 and >=33. (i) Age-specific completeness index was approximated using empirical data from historical Connecticut tumor registry.

- Statistic not shown. Statistic based on fewer than 5 cases estimated alive in SEER for the time interval.

+ Not available.

SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates^a All Cancer Sites, by Race and Sex

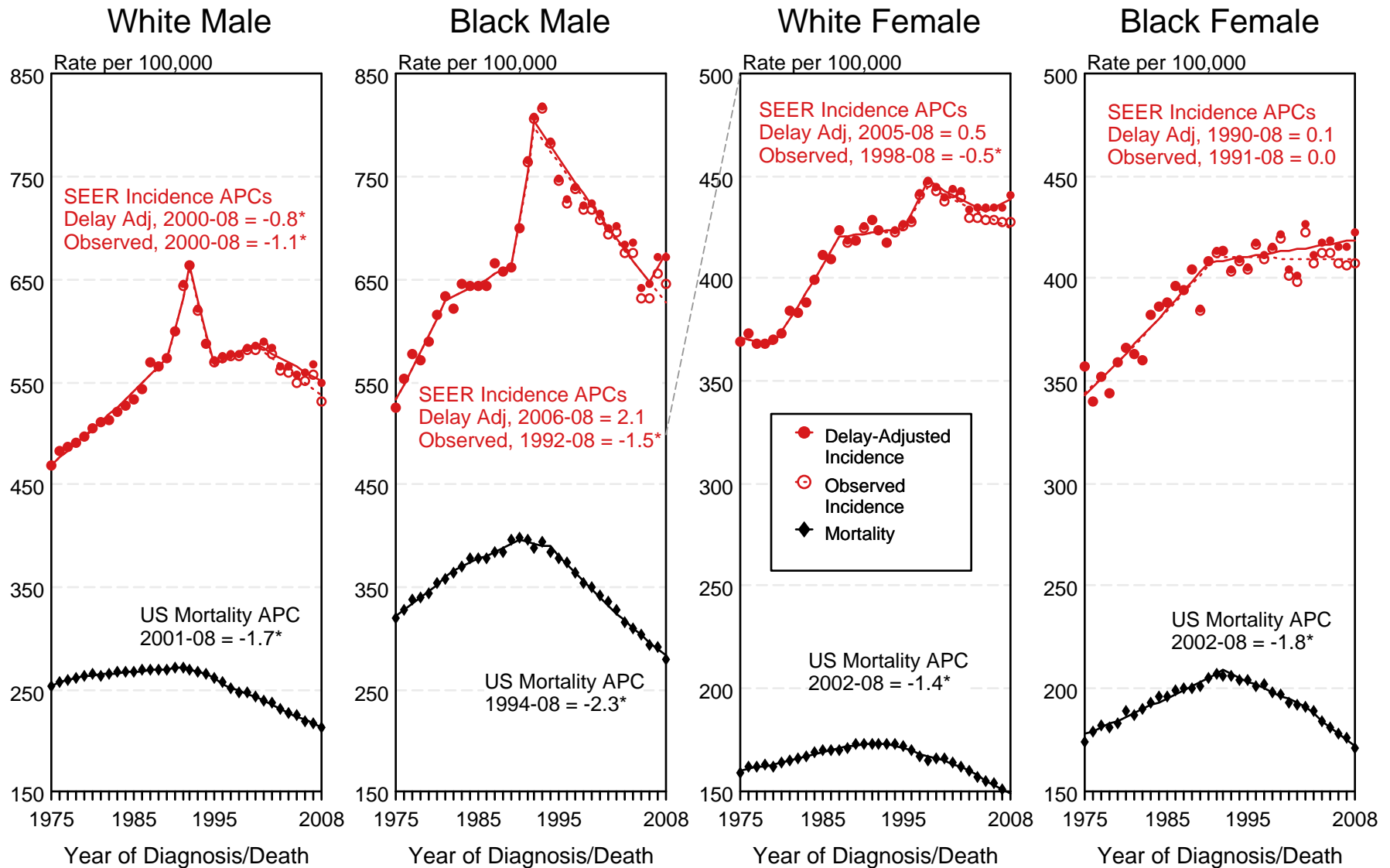


Figure 2.1

^a Source: SEER 9 areas and 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 and APCs are calculated using the Joinpoint Regression Program Version 3.5, April 2011, National Cancer Institute. The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.
* The APC is significantly different from zero ($p < 0.05$).

SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates^a All Cancer Sites, Under 65 Years of Age, by Race and Sex

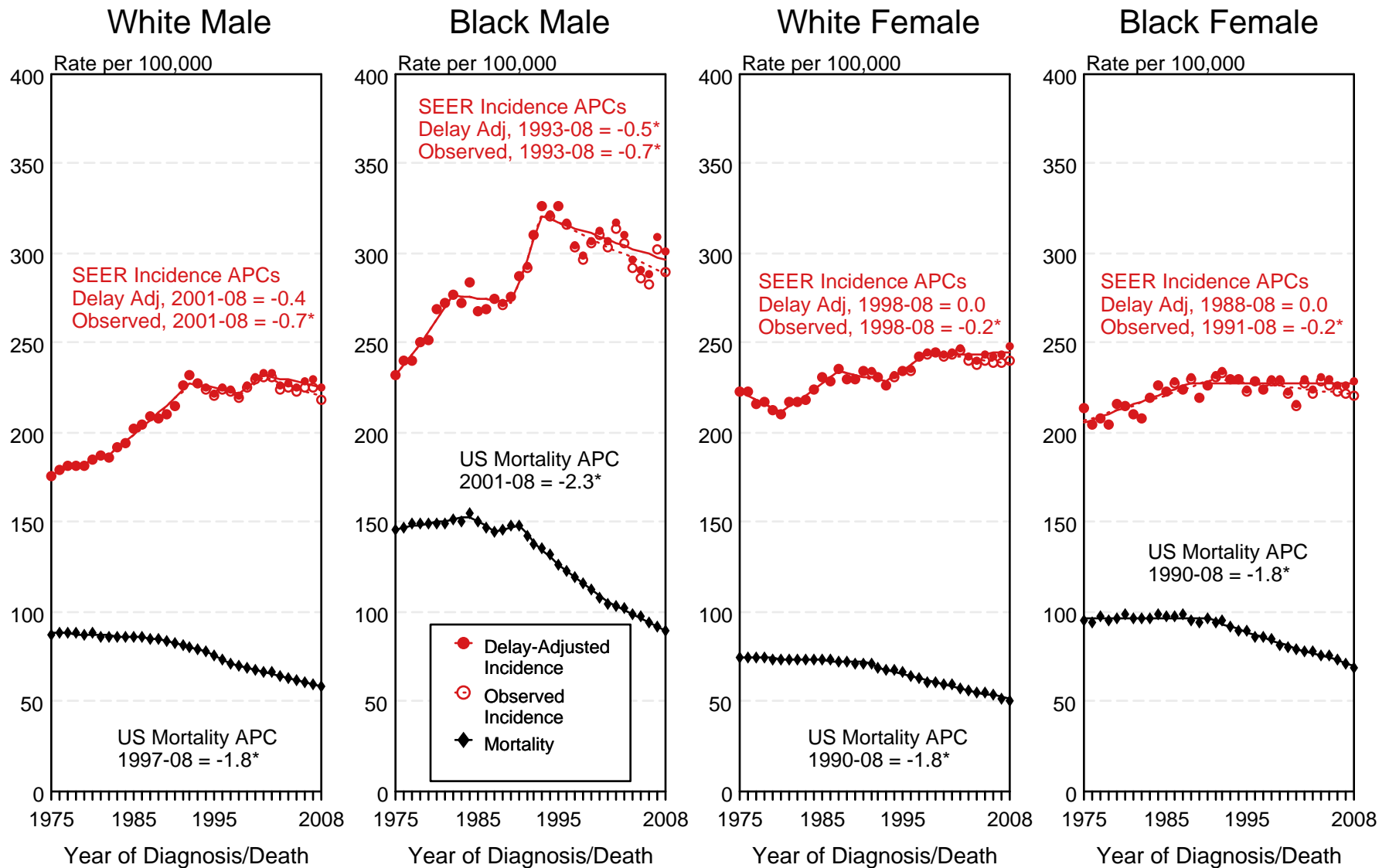


Figure 2.2

^a Source: SEER 9 areas and 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 and APCs are calculated using the Joinpoint Regression Program Version 3.5, April 2011, National Cancer Institute. The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.
* The APC is significantly different from zero ($p < 0.05$).

SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates^a All Cancer Sites, Ages 65 and Over, by Race and Sex

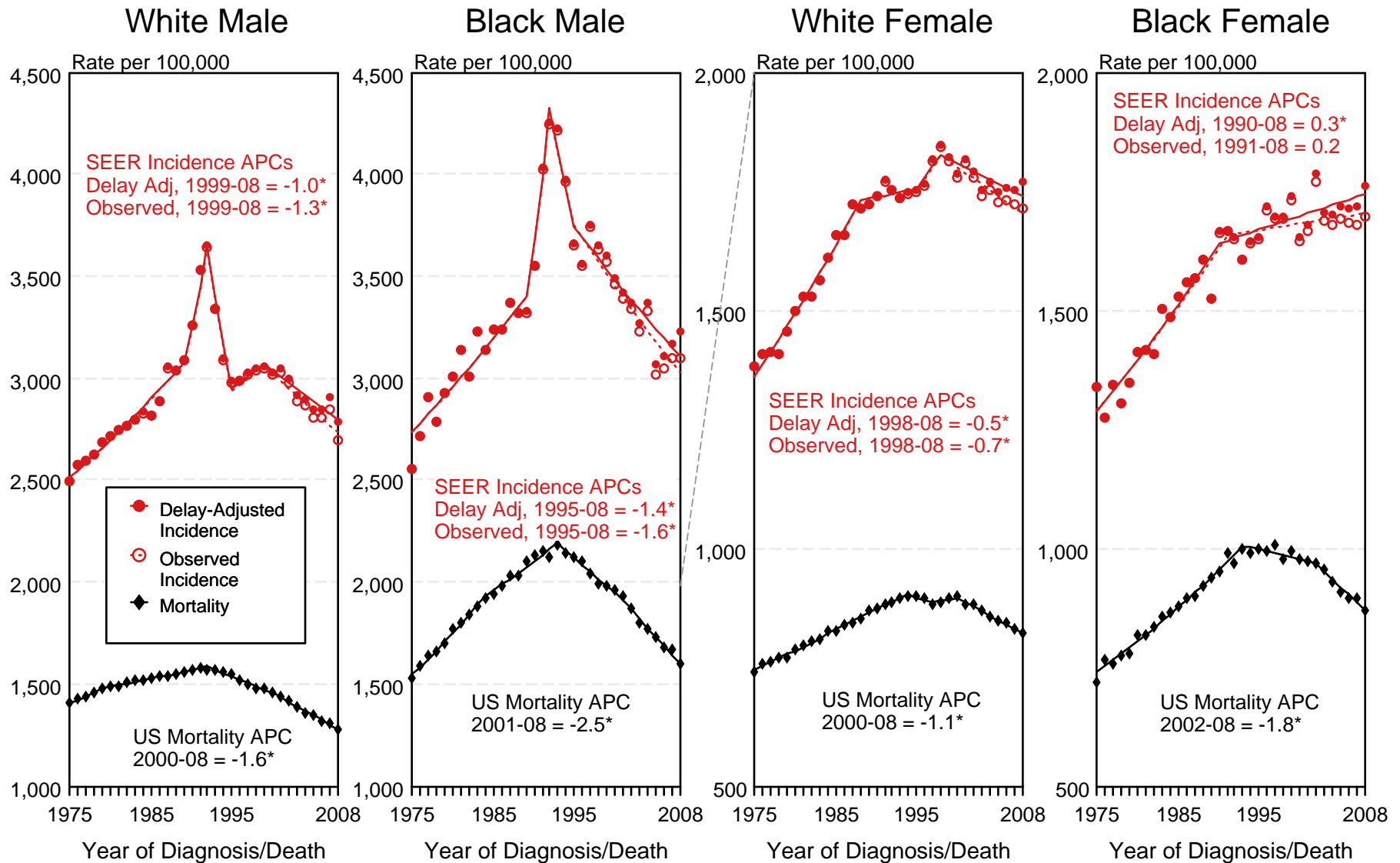


Figure 2.3

^a Source: SEER 9 areas and 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 and APCs are calculated using the Joinpoint Regression Program Version 3.5, April 2011, National Cancer Institute. The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.
* The APC is significantly different from zero ($p < 0.05$).

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

Joinpoint Analyses for Whites and Blacks from 1975-2008

and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2008

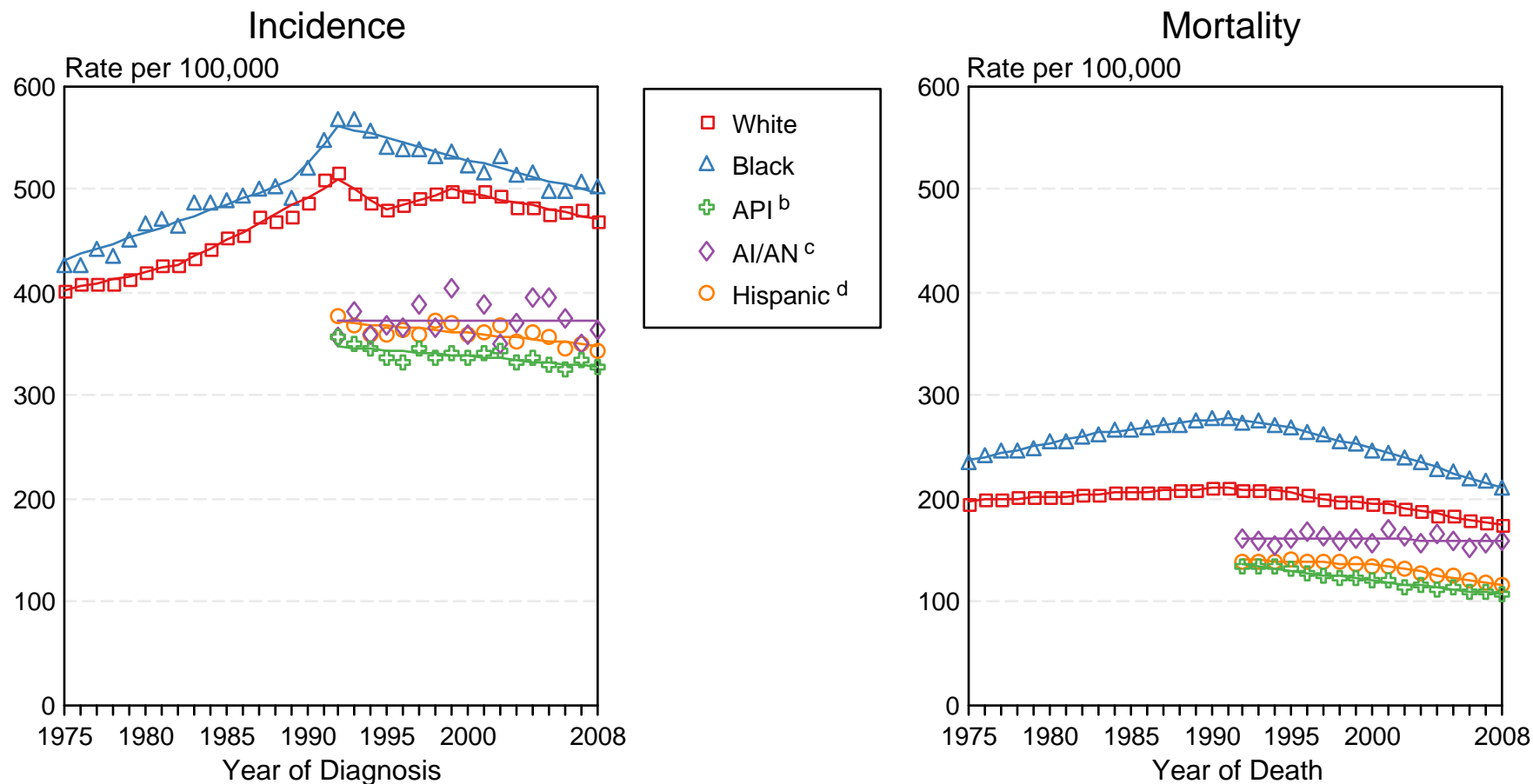


Figure 2.4

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

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

Regression lines are calculated using the Joinpoint Regression Program Version 3.5, April 2011, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2008 period allow a maximum of 5 joinpoints. Analyses for other ethnic groups during the period 1992-2008 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 Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.

SEER Observed Incidence and SEER Delay Adjusted Incidence Rates^a SEER 9 Areas Compared to SEER 13 Areas All Cancer Sites, Males, by Race

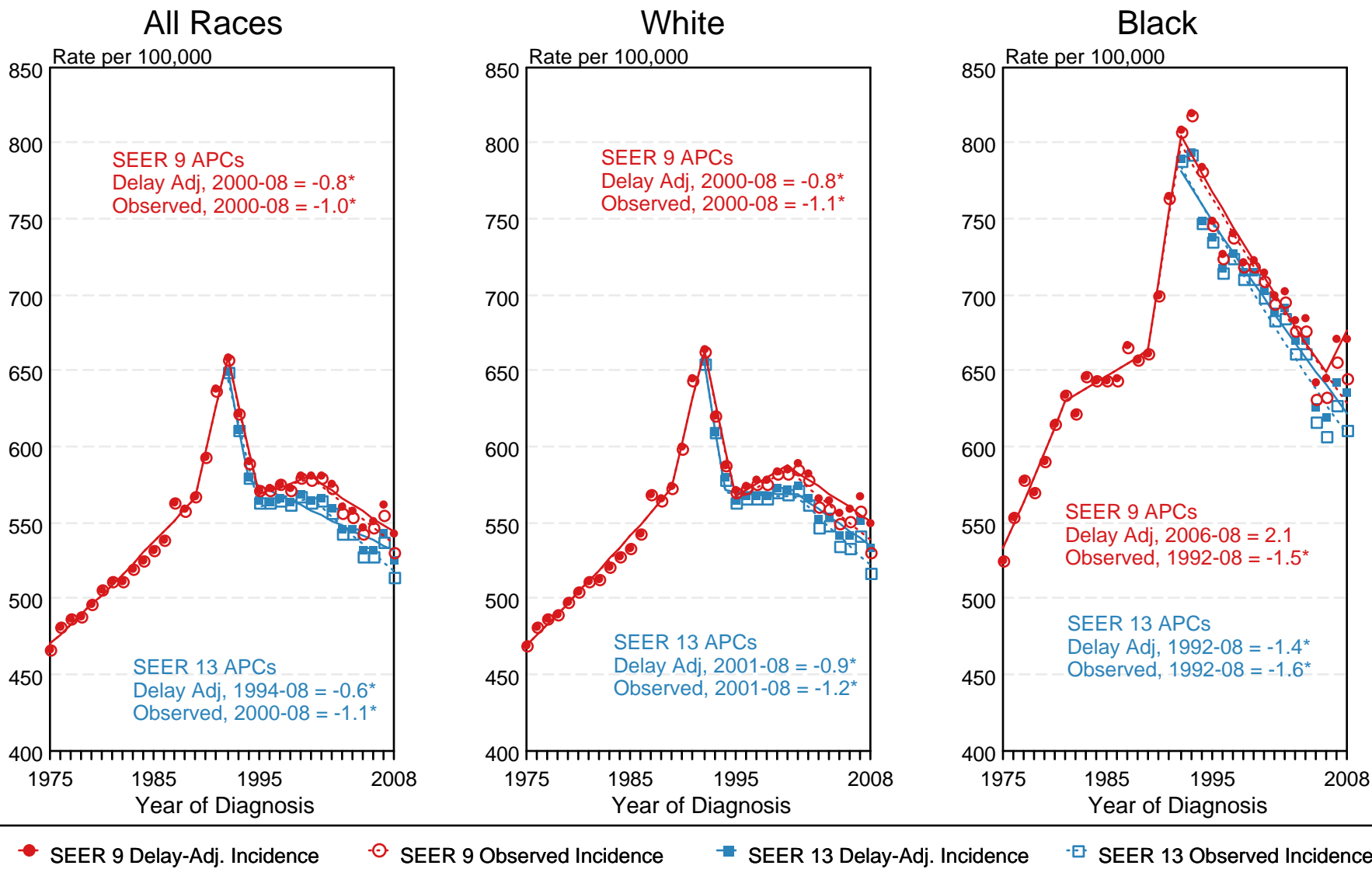


Figure 2.5

^a Source: SEER 9 areas and SEER 13 areas.
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.5, April 2011, National Cancer Institute.
The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.
* The APC is significantly different from zero ($p < 0.05$).

SEER Observed Incidence and SEER Delay Adjusted Incidence Rates^a SEER 9 Areas Compared to SEER 13 Areas All Cancer Sites, Female, by Race

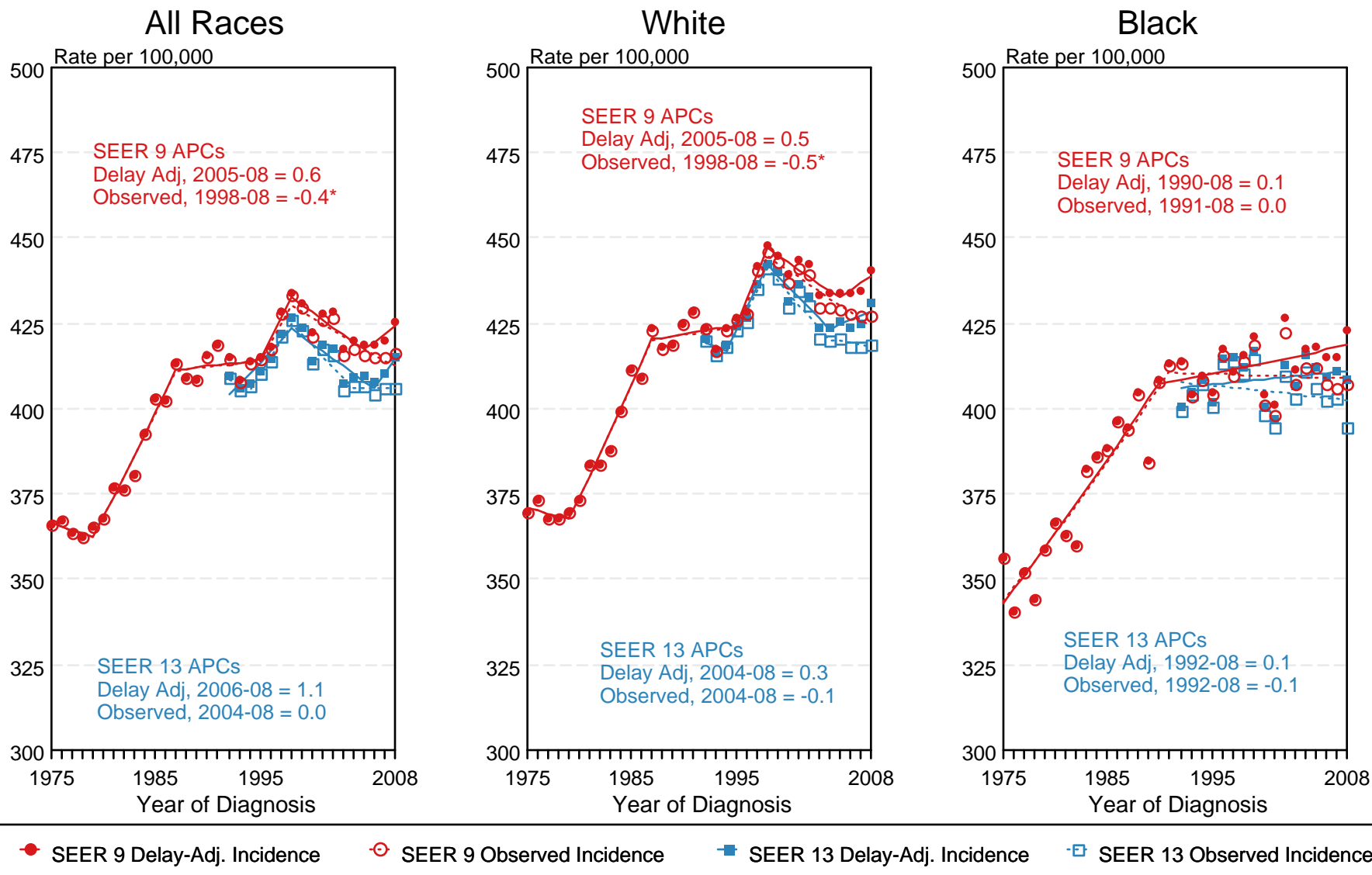


Figure 2.6

^a Source: SEER 9 areas and SEER 13 areas.
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.5, April 2011, National Cancer Institute.
The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.
* The APC is significantly different from zero ($p < 0.05$).