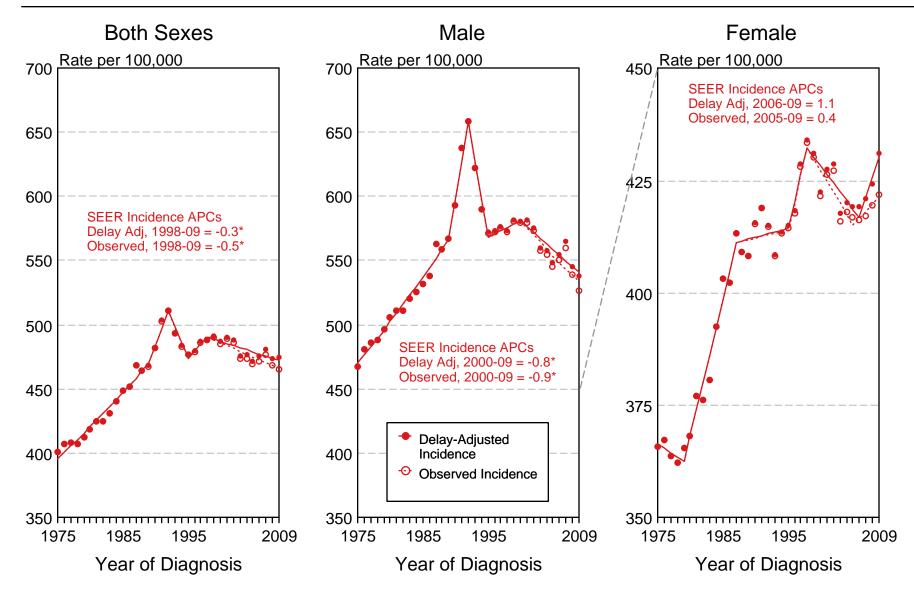
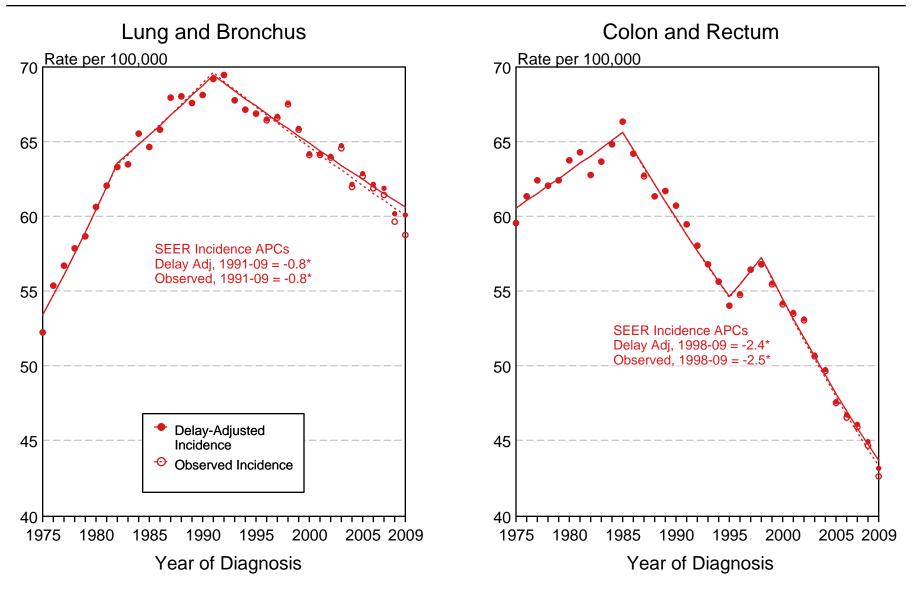
SEER Observed Incidence and Delay Adjusted Incidence Rates^a All Cancer Sites, By Sex



^a Source: SEER 9 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).

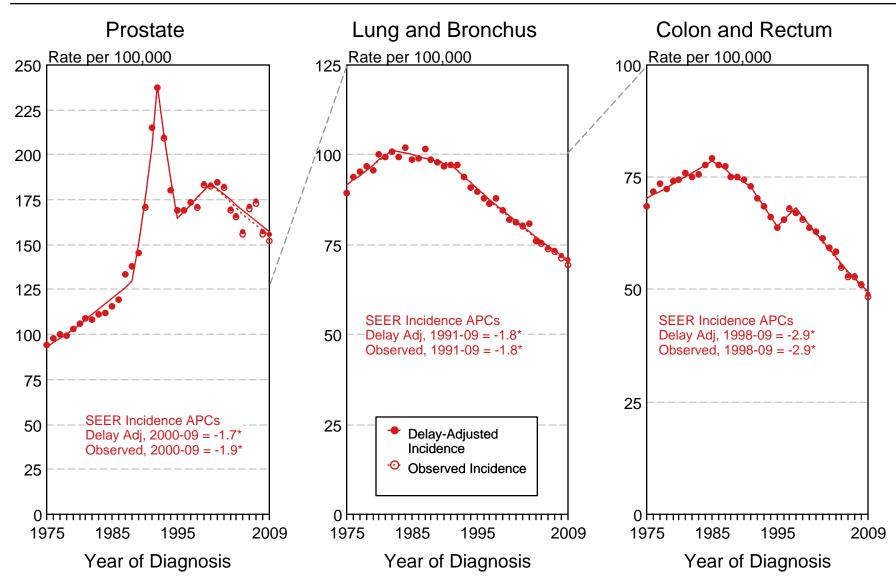
SEER Observed Incidence and Delay Adjusted Incidence Rates^a **Both Sexes**



^a Source: SEER 9 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 Delay Adjusted Incidence Rates^a Males

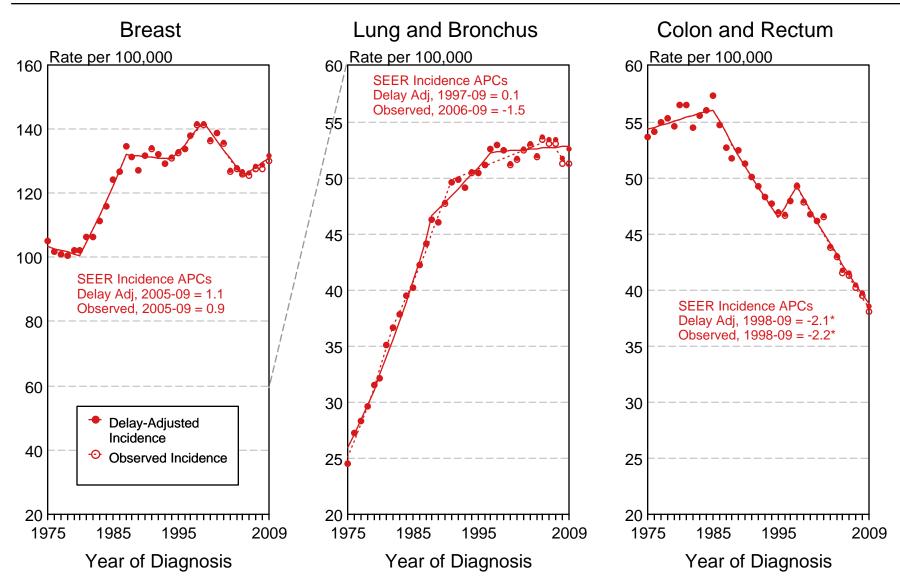


^a Source: SEER 9 areas. Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
 Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.5, April 2011, National Cancer Institute. The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.
 * The APC is circuit former former and (a = 0.25).

The APC is significantly different from zero (p < 0.05).

National Cancer Institute

SEER Observed Incidence and Delay Adjusted Incidence Rates^a Females



^a Source: SEER 9 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).

National Cancer Institute

Table 2.1 All Cancer Sites (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints, Both Sexes by Race/Ethnicity

| | JP Tre | nd 1 | JP Tre | end 2 | JP Tre | end 3 | JP Tre | end 4 | JP Tre | end 5 | JP Tre | end 6 | AAP | $^{\rm C^d}$ |
|------------------------|--------------------------|---------------------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|--------------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| SEER 9 Delay-Adjus | ted Inciden | | 25-2009 | | | | | | | | | | | |
| All Races | 1975-89 | 1.2* | 1989-92 | 2.8 | 1992-95 | -2.4 | 1995-98 | 1.1 | 1998-09 | -0.3* | | | -0.3* | -0.3* |
| White | 1975-82 | 0.9* | 1982-92 | 1.8* | 1992-95 | -2.1 | 1995-98 | 1.4 | 1998-09 | -0.3* | | | -0.3* | -0.3* |
| Black | 1975-84 | 1.6* | 1984-89 | 0.4 | 1989-92 | 4.1* | 1992-05 | -0.8* | 2005-09 | 0.4 | | | -0.3 | 0.4 |
| SEER 13 Delay-Adju | sted Incide | nce ^b 10 | 92-2009 | | | | | | | | | | | |
| All Races | 1992-94 | -3.1* | 1994-99 | 0.4 | 1999-05 | -0.7* | 2005-09 | 0.1 | | | | | -0.4 | 0.1 |
| White | 1992-94 | -3.2* | 1994-99 | 0.5 | 1999-09 | -0.4* | 2000 07 | 0.1 | | | | | -0.4* | -0.4* |
| Black | 1992-09 | -0.6* | | | | | | | | | | | -0.6* | -0.6* |
| SEER 9 Observed In | cidence ^a 1 | 975_2000 | | | | | | | | | | | | |
| All Races | 1975-89 | 1.2* | 1989-92 | 2.8 | 1992-95 | -2.5 | 1995-98 | 1.2 | 1998-09 | -0.5* | | | -0.5* | -0.5* |
| White | 1975-82 | 0.9* | 1982-92 | 1.8* | 1992-95 | -2.1 | 1995-99 | 1.1 | 1999-09 | -0.6* | | | -0.6* | -0.6* |
| Black | 1975-84 | 1.6* | 1984-89 | 0.4 | 1989-92 | 3.9 | 1992-09 | -0.7* | | | | | -0.7* | -0.7* |
| SEER 13 Observed I | naidence ^b | 1992-200 | 19 | | | | | | | | | | | |
| All Races | 1992-94 | -3.1* | 1994-99 | 0.3 | 1999-09 | -0.6* | | | | | | | -0.6* | -0.6* |
| White | 1992-94 | -3.3* | 1994-99 | 0.6 | 1999-09 | -0.6* | | | | | | | -0.6* | -0.6* |
| White NH ^{ef} | 1992-94 | -3.2* | 1994-99 | 0.7 | 1999-09 | -0.5* | | | | | | | -0.5* | -0.5* |
| Black | 1992-09 | -0.7* | | | | | | | | | | | -0.7* | -0.7* |
| Black NH ^{ef} | 1992-09 | -0.7* | | | | | | | | | | | -0.7* | -0.7* |
| API ^e | 1992-09 | -0.3* | | | | | | | | | | | -0.3* | -0.3* |
| AI/AN ^{eg} | 1992-09 | 0.2 | | | | | | | | | | | 0.2 | 0.2 |
| Hispanic ^f | 1992-09 | -0.4* | | | | | | | | | | | -0.4* | -0.4* |
| U.S. Cancer Mortal | ity ^c , 1975- | 2009 | | | | | | | | | | | | |
| All Races | 1975-84 | 0.5* | 1984-91 | 0.3* | 1991-94 | -0.5 | 1994-98 | -1.3* | 1998-01 | -0.8 | 2001-09 | -1.6* | -1.5* | -1.6* |
| White | 1975-90 | 0.4* | 1990-94 | -0.3 | 1994-98 | -1.2* | 1998-01 | -0.6 | 2001-09 | -1.5* | | | -1.4* | -1.5* |
| Black | 1975-83 | 1.3* | 1983-91 | 0.7* | 1991-95 | -0.8* | 1995-02 | -1.6* | 2002-09 | -2.1* | | | -2.0* | -2.1* |
| U.S. Cancer Mortal | itv ^c , 1992- | 2009 | | | | | | | | | | | | |
| All Races | 1992-01 | -1.0* | 2001-09 | -1.6* | | | | | | | | | -1.5* | -1.6* |
| White | 1992-01 | -0.9* | 2001-09 | -1.5* | | | | | | | | | -1.4* | -1.5* |
| White NH ^{ef} | 1992-94 | -0.1 | 1994-97 | -1.4* | 1997-00 | -0.4 | 2000-09 | -1.3* | | | | | -1.3* | -1.3* |
| Black | 1992-94 | -0.4 | 1994-02 | -1.6* | 2002-09 | -2.1* | | | | | | | -2.0* | -2.1* |
| Black NH ^{ef} | 1992-02 | -1.3* | 2002-09 | -2.0* | | | | | | | | | -1.9* | -2.0* |
| API ^e | 1992-09 | -1.5* | | | | | | | | | | | -1.5* | -1.5* |
| AI/AN ^{eg} | 1992-09 | -0.2 | | | | | | | | | | | -0.2 | -0.2 |
| Hispanic ^f | 1992-00 | -0.4* | 2000-09 | -1.9* | | | | | | | | | -1.9* | -1.9* |

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

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Table 2.2 All Cancer Sites (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints,

Males by Race/Ethnicity

| | JP Tre | end 1 | JP Tre | end 2 | JP Tre | end 3 | JP Tre | end 4 | JP Tre | end 5 | JP Tr | end 6 | AAP | 2C ^d |
|---------------------------|--------------------------|------------------------|---------|-------|---------|-------|---------|-------|---------|-------|-------|-------|---------|-----------------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| SEER 9 Delay-Adjus | ted Incide | nce ^a , 197 | /5-2009 | | | | | | | | | | | |
| All Races | 1975-89 | 1.3* | 1989-92 | 5.2* | 1992-95 | -4.8* | 1995-00 | 0.4 | 2000-09 | -0.8* | | | -0.8* | -0.8* |
| White | 1975-89 | 1.4* | 1989-92 | 5.0* | 1992-95 | -5.1* | 1995-00 | 0.7 | 2000-09 | -0.8* | | | -0.8* | -0.8* |
| Black | 1975-81 | 2.8* | 1981-89 | 0.6 | 1989-92 | 7.5* | 1992-96 | -2.6* | 1996-09 | -1.0* | | | -1.0* | -1.0* |
| <u>SEER 13 Delay-Adju</u> | sted Incide | ence ^b , 19 | 92-2009 | | | | | | | | | | | |
| All Races | 1992-94 | -5.6* | 1994-09 | -0.6* | | | | | | | | | -0.6* | -0.6* |
| White | 1992-94 | -6.7* | 1994-01 | 0.0 | 2001-09 | -0.8* | | | | | | | -0.7* | -0.8* |
| Black | 1992-09 | -1.3* | | | | | | | | | | | -1.3* | -1.3* |
| SEER 9 Observed In | cidence ^a , 1 | 975-2009 |) | | | | | | | | | | | |
| All Races | 1975-89 | 1.3* | 1989-92 | 5.2* | 1992-95 | -4.8* | 1995-00 | 0.5 | 2000-09 | -0.9* | | | -0.9* | -0.9* |
| White | 1975-89 | 1.4* | 1989-92 | 5.0* | 1992-95 | -5.2* | 1995-00 | 0.7 | 2000-09 | -1.0* | | | -1.0* | -1.0* |
| Black | 1975-81 | 2.8* | 1981-89 | 0.6 | 1989-92 | 7.4* | 1992-96 | -2.6* | 1996-09 | -1.2* | | | -1.2* | -1.2* |
| SEER 13 Observed I | ncidence ^b , | 1992-200 | 19 | | | | | | | | | | | |
| All Races | 1992-95 | -4.5* | 1995-00 | 0.2 | 2000-09 | -1.0* | | | | | | | -1.0* | -1.0* |
| White | 1992-94 | -6.7* | 1994-01 | 0.0 | 2001-09 | -1.1* | | | | | | | -0.9* | -1.1* |
| White NH ^{ef} | 1992-94 | -6.8* | 1994-01 | 0.1 | 2001-09 | -0.9* | | | | | | | -0.8* | -0.9* |
| Black | 1992-09 | -1.4* | | | | | | | | | | | -1.4* | -1.4* |
| Black NH ^{ef} | 1992-09 | -1.4* | | | | | | | | | | | -1.4* | -1.4* |
| API ^e | 1992-96 | -2.8* | 1996-00 | 0.3 | 2000-07 | -0.8* | 2007-09 | -3.6 | | | | | -1.4* | -2.2* |
| AI/AN ^{eg} | 1992-09 | -0.3 | | | | | | | | | | | -0.3 | -0.3 |
| Hispanic ^f | 1992-04 | -0.7* | 2004-09 | -1.6* | | | | | | | | | -1.2* | -1.6* |
| U.S. Cancer Mortal | ity ^c , 1975- | 2009 | | | | | | | | | | | | |
| All Races | 1975-79 | 1.0* | 1979-90 | 0.3* | 1990-93 | -0.5 | 1993-01 | -1.5* | 2001-09 | -1.8* | | | -1.8* | -1.8* |
| White | 1975-79 | 0.9* | 1979-90 | 0.3* | 1990-93 | -0.4 | 1993-02 | -1.4* | 2002-09 | -1.7* | | | -1.6* | -1.7* |
| Black | 1975-82 | 1.8* | 1982-90 | 1.1* | 1990-95 | -0.8* | 1995-09 | -2.3* | | | | | -2.3* | -2.3* |
| U.S. Cancer Mortal | ity ^c , 1992- | 2009 | | | | | | | | | | | | |
| All Races | 1992-01 | -1.4* | 2001-09 | -1.8* | | | | | | | | | -1.8* | -1.8* |
| White | 1992-01 | -1.3* | 2001-09 | -1.7* | | | | | | | | | -1.6* | -1.7* |
| White NH ^{ef} | 1992-02 | -1.3* | 2002-09 | -1.6* | | | | | | | | | -1.5* | -1.6* |
| Black | 1992-95 | -0.9 | 1995-09 | -2.3* | | | | | | | | | -2.3* | -2.3* |
| Black NH ^{ef} | 1992-09 | -2.0* | | | | | | | | | | | -2.0* | -2.0* |
| API ^e | 1992-09 | -1.7* | | | | | | | | | | | -1.7* | -1.7* |
| AI/AN ^{eg} | 1992-09 | -0.4* | | | | | | | | | | | -0.4* | -0.4* |
| Hispanic ^f | 1992-98 | -0.1 | 1998-09 | -2.3* | | | | | | | | | -2.3* | -2.3* |
| | | | | | | | | | | | | | | |

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

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Table 2.3 All Cancer Sites (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints, Females by Race/Ethnicity

| | JP Tre | end 1 | JP Tre | end 2 | JP Tre | end 3 | JP Tre | end 4 | JP Tre | end 5 | JP Tre | end 6 | AAF | C^d |
|------------------------|--------------------------|----------------------------------|--------------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|---------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| SEER 9 Delay-Adjus | ted Incide | nce ^a 19 [°] | 75-2009 | | | | | | | | | | | |
| All Races | 1975-79 | -0.3 | 1979-87 | 1.6* | 1987-95 | 0.1 | 1995-98 | 1.4 | 1998-06 | -0.5* | 2006-09 | 1.1 | 0.0 | 0.7 |
| White | 1975-79 | -0.2 | 1979-87 | 1.7* | 1987-95 | 0.1 | 1995-98 | 1.8 | 1998-05 | -0.5* | 2005-09 | 0.5 | 0.0 | 0.5 |
| Black | 1975-90 | 1.1* | 1990-09 | 0.2* | | | | | | | | | 0.2* | 0.2* |
| SEER 13 Delay-Adju | sted Incide | ence ^b . 19 | 992-2009 | | | | | | | | | | | |
| All Races | 1992-98 | 0.8* | 1998-06 | -0.5* | 2006-09 | 1.0 | | | | | | | 0.0 | 0.6 |
| White | 1992-94 | -0.3 | 1994-98 | 1.5* | 1998-04 | -0.7* | 2004-09 | 0.4 | | | | | -0.1 | 0.4 |
| Black | 1992-09 | 0.1 | | | | | | | | | | | 0.1 | 0.1 |
| SEER 9 Observed In | cidence ^a , 1 | 975-2009 |) | | | | | | | | | | | |
| All Races | 1975-79 | -0.3 | - 1979-87 | 1.6* | 1987-95 | 0.1 | 1995-98 | 1.5 | 1998-05 | -0.6* | 2005-09 | 0.4 | -0.2 | 0.4 |
| White | 1975-79 | -0.2 | 1979-87 | 1.7* | 1987-95 | 0.1 | 1995-98 | 1.5 | 1998-09 | -0.4* | | | -0.4* | -0.4* |
| Black | 1975-91 | 1.1* | 1991-09 | 0.0 | | | | | | | | | 0.0 | 0.0 |
| SEER 13 Observed I | ncidence ^b , | 1992-200 |)9 | | | | | | | | | | | |
| All Races | 1992-94 | -0.4 | 1994-98 | 1.2 | 1998-04 | -0.8* | 2004-09 | 0.2 | | | | | -0.2 | 0.2 |
| White | 1992-94 | -0.3 | 1994-98 | 1.4* | 1998-04 | -0.8* | 2004-09 | 0.0 | | | | | -0.3* | 0.0 |
| White NH ^{ef} | 1992-94 | -0.1 | 1994-98 | 1.6* | 1998-04 | -0.7* | 2004-09 | 0.1 | | | | | -0.3 | 0.1 |
| Black | 1992-09 | 0.0 | | | | | | | | | | | 0.0 | 0.0 |
| Black NH ^{ef} | 1992-09 | 0.0 | | | | | | | | | | | 0.0 | 0.0 |
| API ^e | 1992-09 | 0.3* | | | | | | | | | | | 0.3* | 0.3* |
| AI/AN ^{eg} | 1992-09 | 0.8* | | | | | | | | | | | 0.8* | 0.8* |
| Hispanic ^f | 1992-09 | 0.1 | | | | | | | | | | | 0.1 | 0.1 |
| U.S. Cancer Mortal | ity ^c , 1975- | 2009 | | | | | | | | | | | | |
| All Races | 1975-90 | 0.6* | 1990-94 | -0.2 | 1994-02 | -0.8* | 2002-09 | -1.5* | | | | | -1.4* | -1.5* |
| White | 1975-90 | 0.6* | 1990-94 | -0.2 | 1994-02 | -0.8* | 2002-09 | -1.4* | | | | | -1.3* | -1.4* |
| Black | 1975-92 | 1.0* | 1992-02 | -0.9* | 2002-09 | -1.8* | | | | | | | -1.6* | -1.8* |
| U.S. Cancer Mortal | | | | | | | | | | | | | | |
| All Races | 1992-94 | -0.2 | 1994-02 | -0.8* | 2002-09 | -1.5* | | | | | | | -1.4* | -1.5* |
| White | 1992-95 | -0.2 | 1995-98 | -1.2* | 1998-01 | -0.3 | 2001-09 | -1.4* | | | | | -1.3* | -1.4* |
| White NH ^{ef} | 1992-94 | 0.3 | 1994-98 | -1.0* | 1998-01 | -0.1 | 2001-09 | -1.3* | | | | | -1.2* | -1.3* |
| Black | 1992-02 | -0.8* | 2002-09 | -1.8* | | | | | | | | | -1.6* | -1.8* |
| Black NH ^{ef} | 1992-02 | -0.7* | 2002-09 | -1.8* | | | | | | | | | -1.5* | -1.8* |
| API ^e | 1992-09 | -1.0* | | | | | | | | | | | -1.0* | -1.0* |
| AI/AN ^{eg} | 1992-09 | -0.1 | 0001 05 | | | | | | | | | | -0.1 | -0.1 |
| Hispanic ^f | 1992-01 | -0.3* | 2001-09 | -1.6* | | | | | | | | | -1.4* | -1.6* |

Joinpoint Regression Program Version 3.5, April 2011, National Cancer Institute. (<u>http://surveillance.cancer.gov/joinpoint</u>/). 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 9 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, SC, 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.

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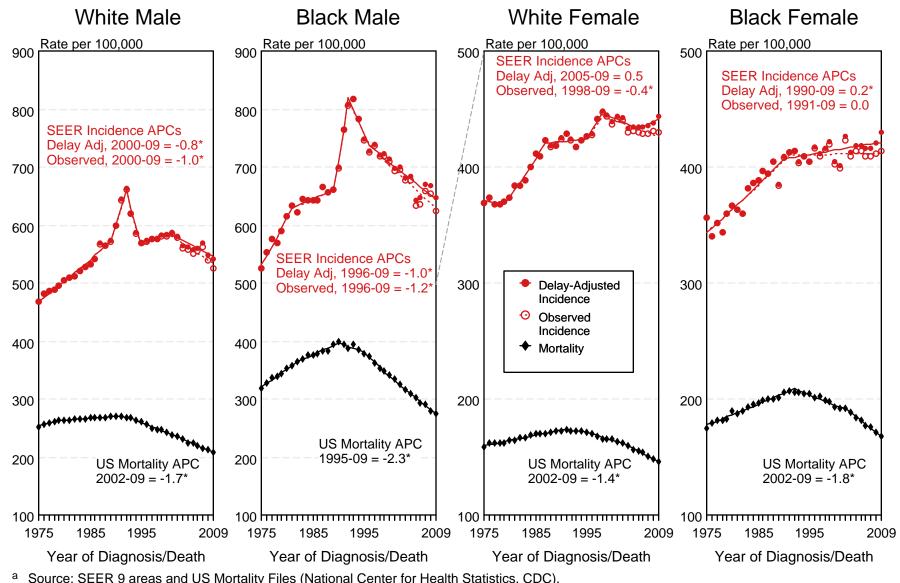
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SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates^a All Cancer Sites, by Race and Sex

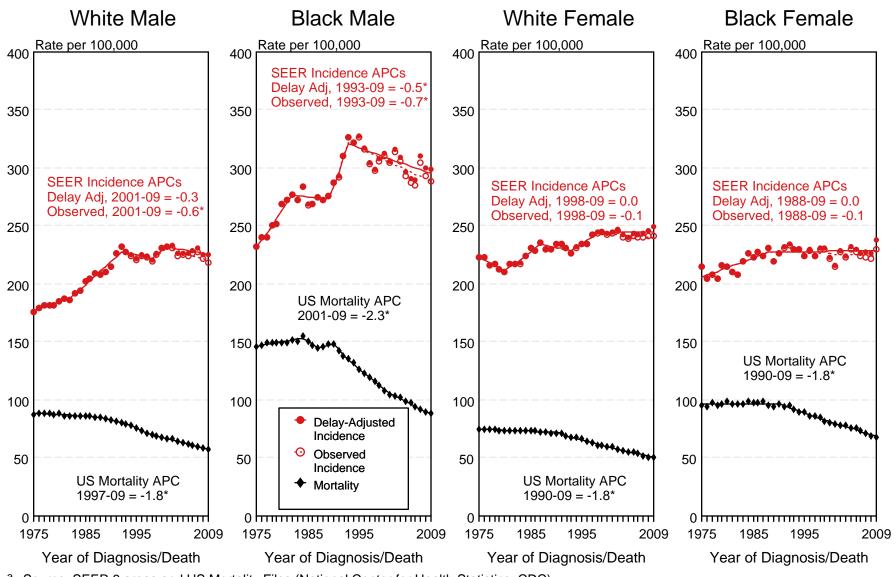


Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.5, April 2011, National Cancer Institute. The APC is the Annual Percent Change for the regression line segments. The APC shown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

National Cancer Institute

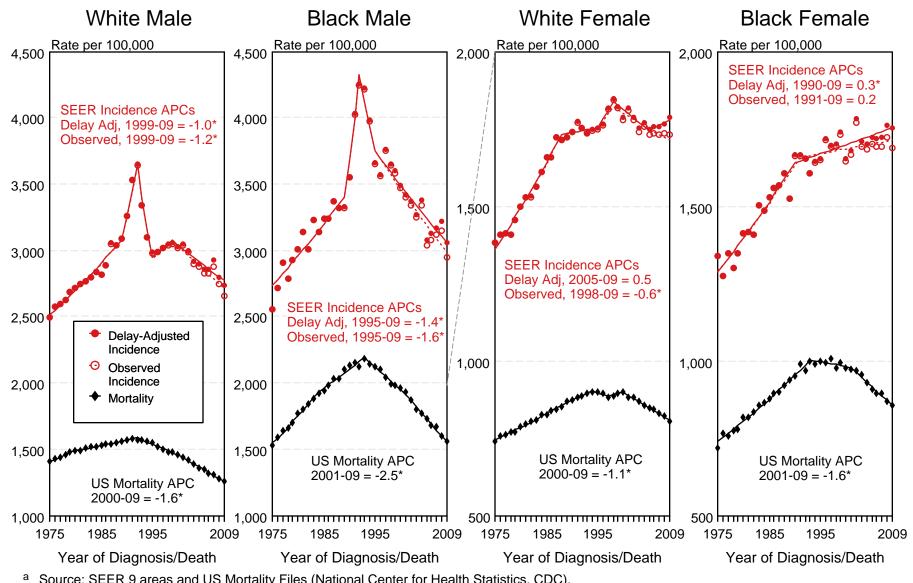
Figure 2.1

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



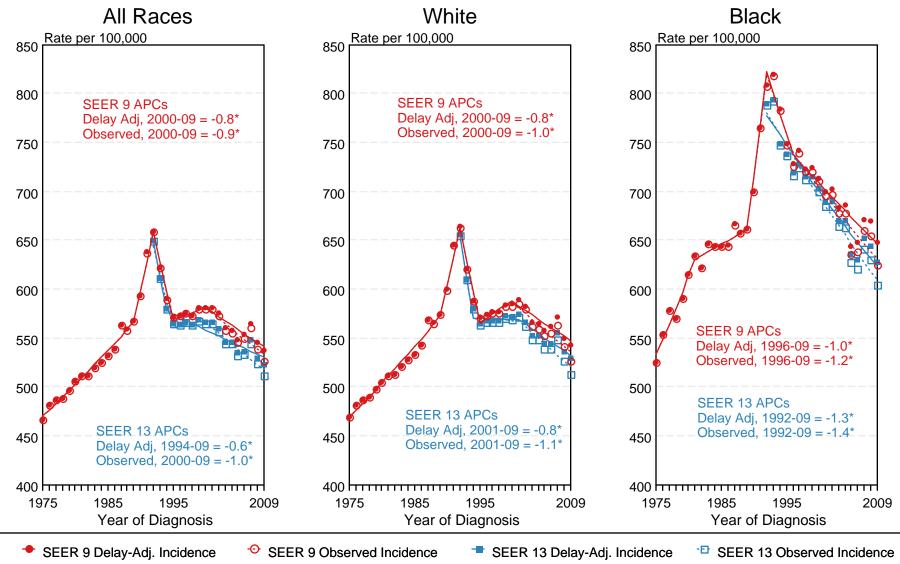
^a Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).
 Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
 Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.5, April 2011, National Cancer 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.

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



^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.

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

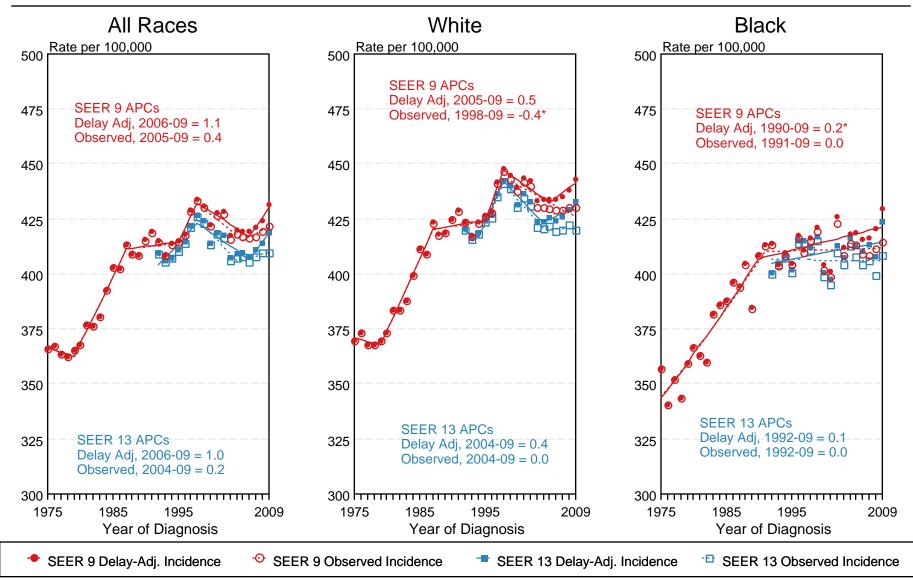


^a Source: SEER 9 areas and SEER 13 areas. Bates are agreediusted to the 2000 LIS Std Population (19 age grou

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



^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.

Table 3.1 Cancer of the Brain and Other Nervous System (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints, Both Sexes by Race/Ethnicity

| | JP Trend 1 | JP Tre | end 2 | JP Tre | end 3 | JP Tr | end 4 | JP Tre | end 5 | JP Tr | end 6 | AAP | Cd |
|---|------------------------------|--------------|-------|---------|-------|---------|-------|---------|-------|-------|-------|--------------|--------------|
| | Years APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| SEER 9 Delay-Adjus | ted Incidence ^a . | 975-2009 | | | | | | | | | | | |
| All Races | 1975-87 1.5 | | -0.2* | | | | | | | | | -0.2* | -0.2* |
| White | 1975-87 1.6 | | 0.0 | | | | | | | | | 0.0 | 0.0 |
| Black | 1975-09 0.3 | | | | | | | | | | | 0.3 | 0.3 |
| SEER 13 Delay-Adju | atod Ingidongo ^b | 1002 2000 | | | | | | | | | | | |
| All Races | 1992-09 -0.1 | 1992-2009 | | | | | | | | | | -0.1 | -0.1 |
| White | 1992-09 0.0 | | | | | | | | | | | 0.0 | 0.0 |
| Black | 1992-09 0.1 | | | | | | | | | | | 0.1 | 0.1 |
| | | | | | | | | | | | | 0.1 | 0.1 |
| SEER 9 Observed In | | | 0 2* | | | | | | | | | 0.2* | 0.2* |
| All Races | 1975-87 1.5 | | -0.3* | | | | | | | | | -0.3* | -0.3* |
| White Black | 1975-87 1.6 1975-09 0.2 | 1987-09 | -0.1 | | | | | | | | | -0.1 0.2 | -0.1 0.2 |
| | | | | | | | | | | | | 0.2 | 0.2 |
| <u>SEER 13 Observed I</u> | | | | | | | | | | | | | |
| All Races | 1992-09 -0.2 | ł | | | | | | | | | | -0.2* | -0.2* |
| White | 1992-09 -0.1 | | | | | | | | | | | -0.1 | -0.1 |
| White NH ^{ef} | 1992-09 0.1 | | | | | | | | | | | 0.1 | 0.1 |
| Black | 1992-09 -0.1 | | | | | | | | | | | -0.1 | -0.1 |
| Black NH ^{ef} | 1992-09 -0.1 | | | | | | | | | | | -0.1 | -0.1 |
| API ^e AI/AN ^{eg} | 1992-09 -0.3 | k | | | | | | | | | | -0.3 | -0.3 |
| Hispanic ^f | 1992-09 3.9 1992-04 0.9 | 、 2004-09 | -3.4 | | | | | | | | | 3.9* -1.5 | 3.9* -3.4 |
| HISPANIC | 1992-04 0.9 | 2004-09 | -3.4 | | | | | | | | | -1.5 | -3.4 |
| <u>U.S. Cancer Mortal</u> | <u> </u> | | | | | | | | | | | | |
| All Races | 1975-77 3.7 | 1977-81 | -0.7 | 1981-91 | 1.3* | 1991-07 | -1.0* | 2007-09 | 1.6 | | | -0.4 | 0.3 |
| White | 1975-92 1.0 | | -0.9* | 2007-09 | 1.7 | | | | | | | -0.3 | 0.4 |
| Black | 1975-84 -0.1 | 1984-88 | 3.4 | 1988-09 | -0.8* | | | | | | | -0.8* | -0.8* |
| U.S. Cancer Mortal | ity ^c , 1992-2009 | | | | | | | | | | | | |
| All Races | 1992-07 -1.0 | * 2007-09 | 1.6 | | | | | | | | | -0.4 | 0.3 |
| White | 1992-07 -0.9 | \$ 2007-09 | 1.7 | | | | | | | | | -0.3 | 0.4 |
| White NH ^{ef} | 1992-07 -0.8 | * 2007-09 | 1.9 | | | | | | | | | -0.2 | 0.6 |
| Black | 1992-09 -0.8 | | | | | | | | | | | -0.8* | -0.8* |
| Black NH^{ef} | 1992-09 -0.8 | k | | | | | | | | | | -0.8* | -0.8* |
| API ^e | 1992-09 -0.2 | | | | | | | | | | | -0.2 | -0.2 |
| AI/AN ^{eg} | 1992-09 1.5 | | | | | | | | | | | 1.5 | 1.5 |
| Hispanic ^f | 1992-09 -0.2 | | | | | | | | | | | -0.2 | -0.2 |

Joinpoint Regression Program Version 3.5, April 2011, National Cancer Institute. (<u>http://surveillance.cancer.gov/joinpoint</u>/). 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.
- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Pr
- 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, SC, 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.

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Table 3.2 Cancer of the Brain and Other Nervous System (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints, Males by Race/Ethnicity

| | JP Trend | d 1 | JP Tre | end 2 | JP Tre | end 3 | JP Tre | end 4 | JP Tre | end 5 | JP Tr | end 6 | AAF | Cd |
|--|--------------------------|-------------------------|---------|-------|---------|-------|---------|-------|---------|-------|-------|-------|---------|---------------|
| | | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | |
| SEER 9 Delay-Adjus | sted Incidence | e ^a . 197 | 5-2009 | | | | | | | | | | | |
| All Races | | 1.2* | 1989-09 | -0.4* | | | | | | | | | -0.4* | -0.4* |
| White | 1975-89 | 1.3* | 1989-09 | -0.2 | | | | | | | | | -0.2 | -0.2 |
| Black | 1975-09 - | -0.1 | | | | | | | | | | | -0.1 | -0.1 |
| SEER 13 Delay-Adju | sted Inciden | ce ^b 19 | 92-2009 | | | | | | | | | | | |
| All Races | | -0.2 | 2005 | | | | | | | | | | -0.2 | -0.2 |
| White | | -0.1 | | | | | | | | | | | -0.1 | -0.1 |
| Black | | -0.3 | | | | | | | | | | | -0.3 | -0.3 |
| | | 75 0000 | | | | | | | | | | | | |
| <u>SEER 9 Observed Ir</u> All Races | | 1.2* | 1989-09 | -0.4* | | | | | | | | | -0.4* | -0.4* |
| White | | 1.3* | 1989-09 | -0.3 | | | | | | | | | -0.3 | -0.3 |
| Black | | -0.2 | 1909 09 | 0.5 | | | | | | | | | -0.2 | -0.2 |
| | | | 2 | | | | | | | | | | | |
| SEER 13 Observed 1 | | <u>992-200</u> -0.3* | 9 | | | | | | | | | | -0.3* | 0.2* |
| All Races White | | -0.3^ -0.2 | | | | | | | | | | | -0.3^ | -0.3* -0.2 |
| White NH ^{ef} | | 0.0 | | | | | | | | | | | -0.2 | 0.0 |
| Black | | -0.5 | | | | | | | | | | | -0.5 | -0.5 |
| Black NH ^{ef} | | -0.5 | | | | | | | | | | | -0.5 | -0.5 |
| API ^e | | -0.5 | | | | | | | | | | | -0.5 | -0.5 |
| AI/AN ^{eg} | | 0.6 | | | | | | | | | | | 0.6 | 0.6 |
| Hispanic ^f | 1992-04 | 1.7* | 2004-09 | -5.1* | | | | | | | | | -2.2 | -5.1* |
| U.S. Cancer Mortal | i+x ^c 1075_20 | 000 | | | | | | | | | | | | |
| All Races | | 4.4 | 1977-82 | -0.4 | 1982-91 | 1.3* | 1991-07 | -1.0* | 2007-09 | 1.5 | | | -0.4 | 0.3 |
| White | 1975-77 | 4.7 | 1977-82 | -0.3 | 1982-91 | 1.4* | 1991-07 | -0.9* | 2007-09 | 1.7 | | | -0.3 | 0.3 |
| Black | | 0.7* | 1990-09 | -0.8* | 1902 91 | | 1991 07 | 0.5 | 2007 00 | | | | -0.8* | -0.8* |
| H. G. Gaussen Manta | | 0.0.0 | | | | | | | | | | | | |
| <u>U.S. Cancer Mortal</u> All Races | | -0.9* | 2007-09 | 1.4 | | | | | | | | | -0.4 | 0.2 |
| White | | -0.9* | 2007-09 | 1.4 | | | | | | | | | -0.4 | 0.2 |
| White NH ^{ef} | | -0.8* | 2007-09 | 2.0 | | | | | | | | | -0.2 | 0.4 |
| Black | | -0.8* | 2007 09 | 2.0 | | | | | | | | | -0.8* | -0.8* |
| Black NH ^{ef} | | -0.6* | | | | | | | | | | | -0.6* | -0.6* |
| API ^e | | 0.6 | | | | | | | | | | | 0.6 | 0.6 |
| AI/AN ^{eg} | | 1.4 | | | | | | | | | | | 1.4 | 1.4 |
| Hispanic ^f | 1992-09 - | -0.6 | | | | | | | | | | | -0.6 | -0.6 |
| | | | | | | | | | | | | | | |

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

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Table 3.3 Cancer of the Brain and Other Nervous System (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints, Females by Race/Ethnicity

| | JP Tre | end 1 | JP Tre | end 2 | JP Tre | end 3 | JP Tre | end 4 | JP Tre | end 5 | JP Tre | end 6 | AAF | Cd |
|---------------------------------------|-----------------------|------------------------|-----------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------------|--------------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | |
| SEER 9 Delay-Adju | sted Incider | nce ^a . 197 | 75-2009 | | | | | | | | | | | |
| All Races | 1975-87 | 1.6* | 1987-09 | -0.1 | | | | | | | | | -0.1 | -0.1 |
| White | 1975-87 | 1.8* | 1987-09 | 0.0 | | | | | | | | | 0.0 | 0.0 |
| Black | 1975-09 | 0.8* | | | | | | | | | | | 0.8* | 0.8* |
| SEER 13 Delay-Adj | istod Thaid | ongo ^b 10 | 02-2000 | | | | | | | | | | | |
| All Races | 1992-09 | 0.0 | 92-2009 | | | | | | | | | | 0.0 | 0.0 |
| White | 1992-09 | 0.0 | | | | | | | | | | | 0.0 | 0.0 |
| Black | 1992-09 | 0.6 | | | | | | | | | | | 0.6 | 0.6 |
| | | | | | | | | | | | | | | |
| <u>SEER 9 Observed I</u> All Races | <u>1975-87</u> | 1.6* | 1987-09 | -0.2 | | | | | | | | | -0.2 | -0.2 |
| White | 1975-87 | 1.8* | 1987-09 | -0.2 | | | | | | | | | -0.2 | -0.2 |
| Black | 1975-09 | 0.7* | 1907 09 | 0.1 | | | | | | | | | 0.7* | 0.1* |
| | | | - | | | | | | | | | | 017 | 0.7 |
| SEER 13 Observed | | | <u>19</u> | | | | | | | | | | | |
| All Races White | 1992-09 1992-09 | -0.2 -0.1 | | | | | | | | | | | -0.2 -0.1 | -0.2 -0.1 |
| White NH ^{ef} | 1992-09 | -0.1 | | | | | | | | | | | -0.1 0.2 | -0.1 0.2 |
| Black | 1992-09 | 0.2 | | | | | | | | | | | 0.2 | 0.2 |
| Black NH ^{ef} | 1992-09 | 0.4 | | | | | | | | | | | 0.3 | 0.3 |
| API ^e | 1992-09 | -0.1 | | | | | | | | | | | -0.1 | -0.1 |
| AI/AN ^{eg} | | - | | | | | | | | | | | - | - |
| Hispanic ^f | 1992-09 | -0.4 | | | | | | | | | | | -0.4 | -0.4 |
| U.S. Cancer Morta | 14+ ^C 1075 | 2000 | | | | | | | | | | | | |
| All Races | 1975-92 | 0.9* | 1992-09 | -0.9* | | | | | | | | | -0.9* | -0.9* |
| White | 1975-92 | 1.0* | 1992-09 | -0.8* | | | | | | | | | -0.8* | -0.8* |
| Black | 1975-77 | 10.9 | 1977-84 | -1.2 | 1984-87 | 5.5 | 1987-97 | 0.1 | 1997-06 | -1.9* | 2006-09 | 2.8 | -0.4 | 1.6 |
| | | | 1977 01 | | 1901 07 | 5.5 | 1907 97 | 0.1 | 1997 00 | | 2000 00 | 210 | 011 | 1.0 |
| <u>U.S. Cancer Morta</u> All Races | 1992-07 <u>1992-</u> | - <u>2009</u> -1.1* | 2007-09 | 1.8 | | | | | | | | | -0.4 | 0.4 |
| White | 1992-07 | -1.1* -0.8* | 2007-09 | 1.8 | | | | | | | | | -0.4 -0.8* | -0.8* |
| White NH ^{ef} | 1992-09 | -0.8* | | | | | | | | | | | -0.8* | -0.8* |
| Black | 1992-09 | -0.9* | | | | | | | | | | | -0.9* | -0.9* |
| Black NH ^{ef} | 1992-09 | -0.9* | | | | | | | | | | | -0.9* | -0.9* |
| API ^e | 1992-09 | -1.0 | | | | | | | | | | | -1.0 | -1.0 |
| AI/AN ^{eg} | 1992-09 | 1.9 | | | | | | | | | | | 1.9 | 1.9 |
| Hispanic ^f | 1992-09 | 0.2 | | | | | | | | | | | 0.2 | 0.2 |
| | | | | | | | | | | | | | | |

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

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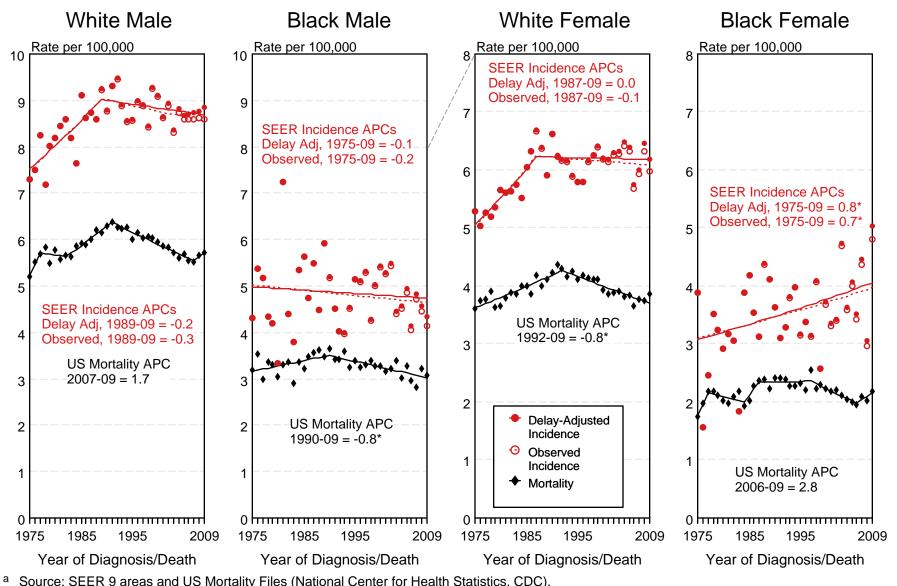
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SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates^a Cancer of the Brain and Other Nervous System, by Race and Sex



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 Cancer of the Brain and Other Nervous System, Male, by Race

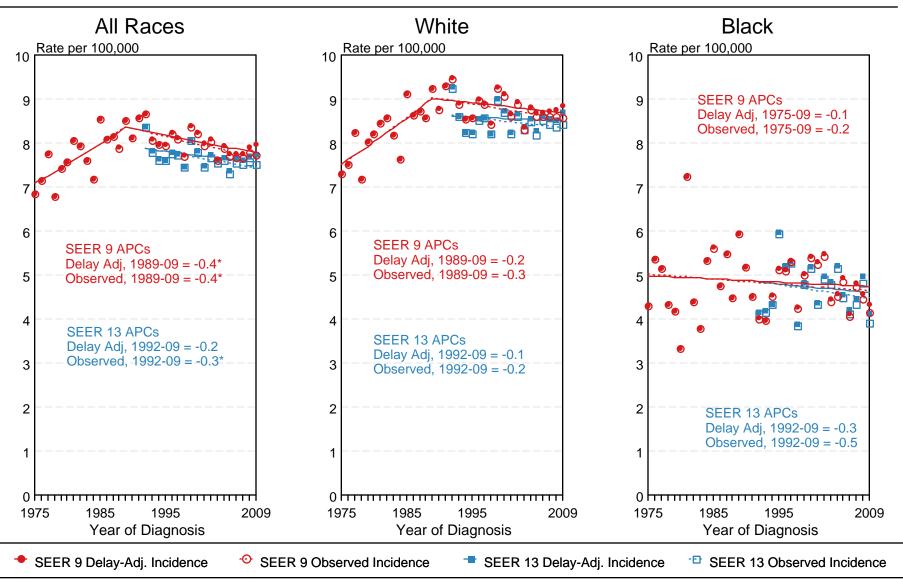


Figure 3.3

^a Source: SEER 9 areas and SEER 13 areas.

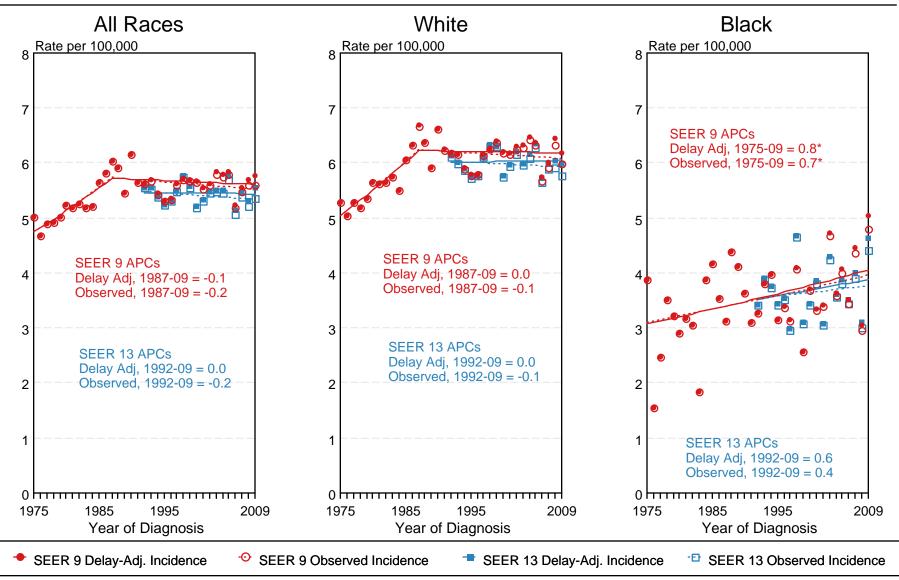
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

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).

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SEER Observed Incidence and SEER Delay Adjusted Incidence Rates^a SEER 9 Areas Compared to SEER 13 Areas Cancer of the Brain and Other Nervous System, Female, by Race



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).

Table 4.1 Cancer of the Female Breast (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints,

All Ages by Race/Ethnicity

| | JP Tre | end 1 | JP Tre | end 2 | JP Tre | end 3 | JP Tre | end 4 | JP Tre | end 5 | JP Tre | nd 6 | AAI | 2Cd |
|------------------------|--------------------------|------------------------|-----------|-------|---------|-------|---------|-------|---------|-------|---------|------|---------|---------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| SEER 9 Delay-Adjust | ted Incide | nce ^a , 197 | 75-2009 | | | | | | | | | | | |
| All Races | 1975-80 | -0.5 | 1980-87 | 4.0* | 1987-94 | -0.2 | 1994-99 | 1.7* | 1999-05 | -2.1* | 2005-09 | 1.1 | -0.7 | 1.1 |
| White | 1975-80 | -0.5 | 1980-87 | 4.1* | 1987-94 | -0.2 | 1994-99 | 1.9* | 1999-05 | -2.2* | 2005-09 | 0.7 | -0.9* | 0.7 |
| Black | 1975-79 | -1.5 | 1979-85 | 4.4* | 1985-97 | 1.2* | 1997-01 | -1.7 | 2001-09 | 1.1* | | | 0.8 | 1.1* |
| SEER 13 Delay-Adju | sted Incid | ence ^b , 19 | 92-2009 | | | | | | | | | | | |
| All Races | 1992-99 | 1.3* | 1999-05 | -2.0* | 2005-09 | 1.1 | | | | | | | -0.6 | 1.1 |
| White | 1992-99 | 1.5* | 1999-05 | -2.2* | 2005-09 | 0.8 | | | | | | | -0.9 | 0.8 |
| Black | 1992-09 | 0.2 | | | | | | | | | | | 0.2 | 0.2 |
| SEER 9 Observed Ind | cidence ^a , 1 | 1975-2009 | <u>)</u> | | | | | | | | | | | |
| All Races | 1975-80 | -0.5 | 1980-87 | 4.0* | 1987-94 | -0.2 | 1994-99 | 1.7* | 1999-05 | -2.1* | 2005-09 | 0.9 | -0.8 | 0.9 |
| White | 1975-80 | -0.5 | 1980-87 | 4.1* | 1987-94 | -0.2 | 1994-99 | 1.9* | 1999-05 | -2.3* | 2005-09 | 0.4 | -1.1* | 0.4 |
| Black | 1975-78 | -2.4 | 1978-88 | 3.3* | 1988-09 | 0.3* | | | | | | | 0.3* | 0.3* |
| SEER 13 Observed In | ncidence ^b , | 1992-200 | <u>)9</u> | | | | | | | | | | | |
| All Races | 1992-99 | 1.3* | 1999-05 | -2.0* | 2005-09 | 0.9 | | | | | | | -0.7 | 0.9 |
| White | 1992-99 | 1.5* | 1999-04 | -2.5* | 2004-09 | 0.1 | | | | | | | -1.1* | 0.1 |
| White NH ^{ef} | 1992-99 | 1.7* | 1999-05 | -2.2* | 2005-09 | 0.7 | | | | | | | -0.9 | 0.7 |
| Black | 1992-09 | 0.1 | | | | | | | | | | | 0.1 | 0.1 |
| Black NH ^{ef} | 1992-09 | 0.1 | | | | | | | | | | | 0.1 | 0.1 |
| API ^e | 1992-94 | -4.8 | 1994-97 | 6.8 | 1997-05 | -0.4 | 2005-09 | 2.2 | | | | | 0.7 | 2.2 |
| AI/AN ^{eg} | 1992-09 | 0.0 | | | | | | | | | | | 0.0 | 0.0 |
| Hispanic ^f | 1992-09 | 0.1 | | | | | | | | | | | 0.1 | 0.1 |
| U.S. Cancer Mortal: | ± / | -2009 | | | | | | | | | | | | |
| All Races | 1975-90 | 0.4* | 1990-95 | -1.8* | 1995-98 | -3.2* | 1998-09 | -1.9* | | | | | -1.9* | -1.9* |
| White | 1975-90 | 0.3* | 1990-95 | -2.0* | 1995-98 | -3.4* | 1998-09 | -2.0* | | | | | -2.0* | -2.0* |
| Black | 1975-92 | 1.5* | 1992-09 | -1.4* | | | | | | | | | -1.4* | -1.4* |
| U.S. Cancer Mortal: | ity ^c , 1992- | -2009 | | | | | | | | | | | | |
| All Races | 1992-95 | -1.3* | 1995-98 | -3.4* | 1998-09 | -1.9* | | | | | | | -1.9* | -1.9* |
| White | 1992-95 | -1.5* | 1995-98 | -3.6* | 1998-09 | -2.0* | | | | | | | -2.0* | -2.0* |
| White NH ^{ef} | 1992-95 | -1.6* | 1995-98 | -3.5* | 1998-09 | -1.8* | | | | | | | -1.8* | -1.8* |
| Black | 1992-95 | 0.4 | 1995-09 | -1.5* | | | | | | | | | -1.5* | -1.5* |
| Black NH ^{ef} | 1992-09 | -1.2* | | | | | | | | | | | -1.2* | -1.2* |
| API ^e | 1992-09 | -0.8* | | | | | | | | | | | -0.8* | -0.8* |
| AI/AN ^{eg} | 1992-09 | -0.2 | | | | | | | | | | | -0.2 | -0.2 |
| Hispanic ^f | 1992-09 | -1.8* | | | | | | | | | | | -1.8* | -1.8* |

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

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Table 4.2 Cancer of the Female Breast (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints, Ages <50 by Race/Ethnicity

| | JP Tre | nd 1 | JP Tre | end 2 | JP Tre | end 3 | JP Tre | end 4 | JP Tr | end 5 | JP Tr | end 6 | AAF | Cd |
|--|---------------------------|----------------------|--------------------|---------------|--------------------|-------|---------|-------|-------|-------|-------|-------|---------------|---------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | | 2005-09 |
| SEER 9 Delay-Adjus | sted Inciden | nce ^a 197 | 75-2009 | | | | | | | | | | | |
| All Races | 1975-80 | -1.4 | 1980-85 | 3.2* | 1985-09 | 0.0 | | | | | | | 0.0 | 0.0 |
| White | 1975-80 | -1.0 | 1980-87 | 2.6* | 1987-94 | -0.8 | 1994-09 | 0.2 | | | | | 0.2 | 0.2 |
| Black | 1975-91 | 1.5* | 1991-01 | -1.1* | 2001-09 | 0.8 | | | | | | | 0.6 | 0.8 |
| SEER 13 Delay-Adju | isted Traide | ngo ^b 10 | 002-2000 | | | | | | | | | | | |
| All Races | 1992-09 | 0.2* | 92-2009 | | | | | | | | | | 0.2* | 0.2* |
| White | 1992-94 | -1.0 | 1994-98 | 1.2 | 1998-03 | -0.9 | 2003-09 | 0.7* | | | | | 0.2 | 0.2 |
| Black | 1992-09 | -0.2 | 1991 90 | 1.2 | 1990 05 | 0.9 | 2005 05 | 0.7 | | | | | -0.2 | -0.2 |
| | | | | | | | | | | | | | 0.2 | 012 |
| <u>SEER 9 Observed Ir</u> All Races | | | - | 2 0* | 1005 00 | 0.0 | | | | | | | 0 0 | 0.0 |
| All Races White | 1975-80 1975-80 | -1.5 -1.0 | 1980-85 1980-86 | 3.2* 2.6* | 1985-09 1986-09 | -0.1 | | | | | | | 0.0 -0.1 | -0.1 |
| Black | 1975-80 | -1.0 1.3* | 1980-86 | 2.6° -0.4* | 1980-09 | -0.1 | | | | | | | -0.1 -0.4* | -0.1 |
| | | | | -0.4 | | | | | | | | | -0.4 | -0.4 |
| <u>SEER 13 Observed 1</u> | | | 9 | | | | | | | | | | | |
| All Races | 1992-09 | 0.1 | | | | | | | | | | | 0.1 | 0.1 |
| White | 1992-94 | -1.0 | 1994-98 | 1.3 | 1998-02 | -1.1 | 2002-09 | 0.4* | | | | | 0.1 | 0.4* |
| White NH ^{ef} | 1992-09 | 0.2* | | | | | | | | | | | 0.2* | 0.2* |
| Black | 1992-09 | -0.3 | | | | | | | | | | | -0.3 | -0.3 |
| Black NH ^{ef} | 1992-01 | -1.3* | 2001-09 | 1.0 | | | | | | | | | 0.8 | 1.0 |
| API ^e | 1992-09 | 1.3* | | | | | | | | | | | 1.3* | 1.3* |
| AI/AN ^{eg} | 1992-09 | 0.2 | | | | | | | | | | | 0.2 | 0.2 |
| Hispanic ^f | 1992-09 | 0.2 | | | | | | | | | | | 0.2 | 0.2 |
| U.S. Cancer Mortal | lity ^c , 1975- | 2009 | | | | | | | | | | | | |
| All Races | 1975-90 | -0.4* | 1990-09 | -3.1* | | | | | | | | | -3.1* | -3.1* |
| White | 1975-90 | -0.6* | 1990-07 | -3.6* | 2007-09 | 2.2 | | | | | | | -2.3* | -0.8 |
| Black | 1975-87 | 1.8* | 1987-95 | -1.1* | 1995-09 | -2.4* | | | | | | | -2.4* | -2.4* |
| U.S. Cancer Mortal | lity ^c , 1992- | 2009 | | | | | | | | | | | | |
| All Races | 1992-09 | -3.0* | | | | | | | | | | | -3.0* | -3.0* |
| White | 1992-09 | -3.3* | | | | | | | | | | | -3.3* | -3.3* |
| White NH ^{ef} | 1992-09 | -3.2* | | | | | | | | | | | -3.2* | -3.2* |
| Black | 1992-96 | -0.5 | 1996-99 | -4.3 | 1999-05 | -1.4* | 2005-09 | -3.8* | | | | | -2.5* | -3.8* |
| Black NH ^{ef} | 1992-06 | -2.0* | 2006-09 | -4.7* | | | | | | | | | -2.9* | -4.0* |
| API ^e | 1992-01 | -0.6 | 2001-09 | -4.6* | | | | | | | | | -4.2* | -4.6* |
| AI/AN ^{eg} | 1992-09 | -1.8 | | | | | | | | | | | -1.8 | -1.8 |
| Hispanic ^f | 1992-09 | -2.6* | | | | | | | | | | | -2.6* | -2.6* |
| - | | | | | | | | | | | | | | |

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

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Table 4.3 Cancer of the Female Breast (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints,

Ages 50+ by Race/Ethnicity

| | JP Tre | | JP Tre | | JP Tre | | JP Tre | | JP Tre | | JP Tre | | AAF | - |
|------------------------|--------------------------|------------------------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-----|---------|---------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| SEER 9 Delay-Adjus | | | | | | | | | | | | | | |
| All Races | 1975-82 | 0.9 | 1982-87 | 5.4* | 1987-93 | -0.3 | 1993-99 | 1.9* | 1999-05 | -2.7* | 2005-09 | 1.1 | -1.0* | 1.1 |
| White | 1975-82 | 0.9 | 1982-87 | 5.6* | 1987-93 | -0.4 | 1993-99 | 2.1* | 1999-05 | -2.7* | 2005-09 | 0.6 | -1.3* | 0.6 |
| Black | 1975-92 | 2.6* | 1992-09 | 0.3 | | | | | | | | | 0.3 | 0.3 |
| SEER 13 Delay-Adju | sted Incide | ence ^b , 19 | 92-2009 | | | | | | | | | | | |
| All Races | 1992-99 | 1.6* | 1999-05 | -2.6* | 2005-09 | 1.1 | | | | | | | -1.0 | 1.1 |
| White | 1992-01 | 1.1* | 2001-04 | -5.2 | 2004-09 | 0.6 | | | | | | | -1.3 | 0.6 |
| Black | 1992-09 | 0.3* | | | | | | | | | | | 0.3* | 0.3* |
| SEER 9 Observed In | cidence ^a , 1 | 975-2009 | | | | | | | | | | | | |
| All Races | 1975-82 | 0.9 | 1982-87 | 5.4* | 1987-93 | -0.3 | 1993-99 | 1.9* | 1999-05 | -2.7* | 2005-09 | 0.9 | -1.1* | 0.9 |
| White | 1975-82 | 0.9 | 1982-87 | 5.5* | 1987-93 | -0.4 | 1993-99 | 2.1* | 1999-05 | -2.8* | 2005-09 | 0.4 | -1.4* | 0.4 |
| Black | 1975-92 | 2.6* | 1992-09 | 0.2 | | | | | | | | | 0.2 | 0.2 |
| SEER 13 Observed I | ncidence ^b , | 1992-200 | 19 | | | | | | | | | | | |
| All Races | 1992-99 | 1.6* | 1999-05 | -2.6* | 2005-09 | 0.9 | | | | | | | -1.1* | 0.9 |
| White | 1992-00 | 1.5* | 2000-04 | -3.9* | 2004-09 | 0.2 | | | | | | | -1.7* | 0.2 |
| White NH ^{ef} | 1992-01 | 1.3* | 2001-04 | -5.5 | 2004-09 | 0.5 | | | | | | | -1.4 | 0.5 |
| Black | 1992-09 | 0.2 | | | | | | | | | | | 0.2 | 0.2 |
| Black NH ^{ef} | 1992-09 | 0.3 | | | | | | | | | | | 0.3 | 0.3 |
| API ^e | 1992-94 | -5.6 | 1994-97 | 8.1 | 1997-04 | -1.2 | 2004-09 | 1.8 | | | | | 0.5 | 1.8 |
| AI/AN ^{eg} | 1992-09 | 0.0 | | | | | | | | | | | 0.0 | 0.0 |
| Hispanic ^f | 1992-09 | 0.1 | | | | | | | | | | | 0.1 | 0.1 |
| U.S. Cancer Mortal | ity ^c , 1975- | 2009 | | | | | | | | | | | | |
| All Races | 1975-90 | 0.6* | 1990-09 | -2.0* | | | | | | | | | -2.0* | -2.0* |
| White | 1975-90 | 0.5* | 1990-09 | -2.1* | | | | | | | | | -2.1* | -2.1* |
| Black | 1975-93 | 1.6* | 1993-09 | -1.2* | | | | | | | | | -1.2* | -1.2* |
| U.S. Cancer Mortal | itv ^c . 1992- | 2009 | | | | | | | | | | | | |
| All Races | 1992-95 | -1.1* | 1995-98 | -3.3* | 1998-02 | -1.4* | 2002-09 | -2.0* | | | | | -1.9* | -2.0* |
| White | 1992-94 | -0.6 | 1994-97 | -3.3* | 1997-09 | -1.9* | | | | | | | -1.9* | -1.9* |
| White NH ^{ef} | 1992-94 | -0.5 | 1994-97 | -3.3* | 1997-09 | -1.7* | | | | | | | -1.7* | -1.7* |
| Black | 1992-09 | -1.1* | | | | | | | | | | | -1.1* | -1.1* |
| Black NH ^{ef} | 1992-09 | -0.9* | | | | | | | | | | | -0.9* | -0.9* |
| API ^e | 1992-09 | -0.3 | | | | | | | | | | | -0.3 | -0.3 |
| AI/AN ^{eg} | 1992-09 | 0.2 | | | | | | | | | | | 0.2 | 0.2 |
| Hispanic ^f | 1992-09 | -1.6* | | | | | | | | | | | -1.6* | -1.6* |
| - | | | | | | | | | | | | | | |

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

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Table 4.4 Cancer of the Female Breast (In Situ)

Trends in SEER Incidence^{ab} Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints,

All Ages by Race/Ethnicity

| | JP Tre | end 1 | JP Tre | end 2 | JP Tre | end 3 | JP Tre | end 4 | JP Tre | end 5 | JP Tre | nd 6 | AAP | Cd |
|------------------------|--------------------------|------------------------|---------|-------|---------|-------|---------|-------|---------|-------|---------|------|---------|---------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| SEER 9 Delay-Adjust | ed Incide | nce ^a , 197 | 5-2009 | | | | | | | | | | | |
| All Races | 1975-81 | -3.0 | 1981-87 | 24.9* | 1987-95 | 4.2* | 1995-98 | 11.7* | 1998-06 | 0.3 | 2006-09 | 4.1* | 1.6* | 3.2* |
| White | 1975-81 | -2.9 | 1981-87 | 25.5* | 1987-95 | 3.9* | 1995-98 | 12.0* | 1998-06 | 0.3 | 2006-09 | 3.9* | 1.5* | 3.0* |
| Black | 1975-83 | 6.2* | 1983-88 | 23.3* | 1988-93 | 3.6 | 1993-98 | 11.4* | 1998-03 | -0.3 | 2003-09 | 3.7* | 2.4* | 3.7* |
| SEER 13 Delay-Adjus | sted Incide | ence ^b , 19 | 92-2009 | | | | | | | | | | | |
| All Races | 1992-94 | 1.7 | 1994-99 | 8.7* | 1999-05 | -0.5 | 2005-09 | 3.3* | | | | | 1.2* | 3.3* |
| White | 1992-94 | -0.5 | 1994-98 | 10.8* | 1998-06 | 0.2 | 2006-09 | 3.4* | | | | | 1.2* | 2.6* |
| Black | 1992-98 | 8.6* | 1998-09 | 2.2* | | | | | | | | | 2.2* | 2.2* |
| SEER 9 Observed Inc | cidence ^a , 1 | 975-2009 | | | | | | | | | | | | |
| All Races | 1975-81 | -3.0 | 1981-87 | 24.9* | 1987-95 | 4.2* | 1995-98 | 11.7* | 1998-06 | 0.3 | 2006-09 | 4.0* | 1.5* | 3.1* |
| White | 1975-81 | -2.9 | 1981-87 | 25.4* | 1987-95 | 3.9* | 1995-98 | 11.1 | 1998-09 | 0.9* | | | 0.9* | 0.9* |
| Black | 1975-83 | 6.2* | 1983-88 | 23.4* | 1988-93 | 3.4 | 1993-97 | 12.3* | 1997-09 | 2.0* | | | 2.0* | 2.0* |
| SEER 13 Observed Ir | ncidence ^b , | 1992-200 | 9 | | | | | | | | | | | |
| All Races | 1992-94 | 1.7 | 1994-99 | 8.7* | 1999-05 | -0.5 | 2005-09 | 3.2* | | | | | 1.1 | 3.2* |
| White | 1992-94 | -0.5 | 1994-98 | 10.8* | 1998-06 | 0.1 | 2006-09 | 3.0* | | | | | 1.1* | 2.3* |
| White NH ^{ef} | 1992-94 | 0.7 | 1994-99 | 9.2* | 1999-05 | -0.8 | 2005-09 | 2.9* | | | | | 0.8 | 2.9* |
| Black | 1992-98 | 8.6* | 1998-09 | 2.1* | | | | | | | | | 2.1* | 2.1* |
| Black NH ^{ef} | 1992-97 | 9.9* | 1997-09 | 2.4* | | | | | | | | | 2.4* | 2.4* |
| API ^e | 1992-02 | 7.9* | 2002-05 | -3.9 | 2005-09 | 6.7* | | | | | | | 3.3 | 6.7* |
| AI/AN ^{eg} | 1992-09 | 1.2 | | | | | | | | | | | 1.2 | 1.2 |
| Hispanic ^f | 1992-98 | 7.9* | 1998-09 | 2.2* | | | | | | | | | 2.2* | 2.2* |

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

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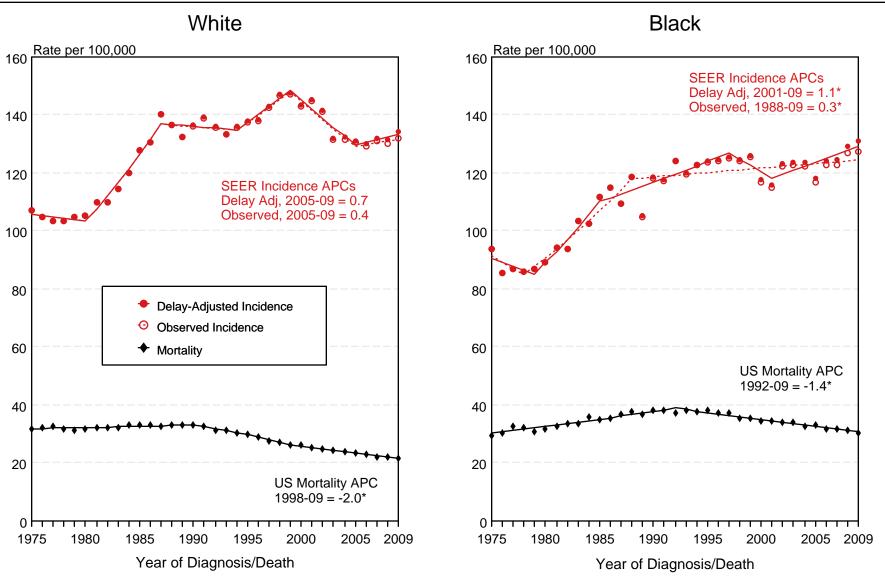
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SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates^a Cancer of the Female Breast, by Race



^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 Cancer of the Female Breast, by Age and Race

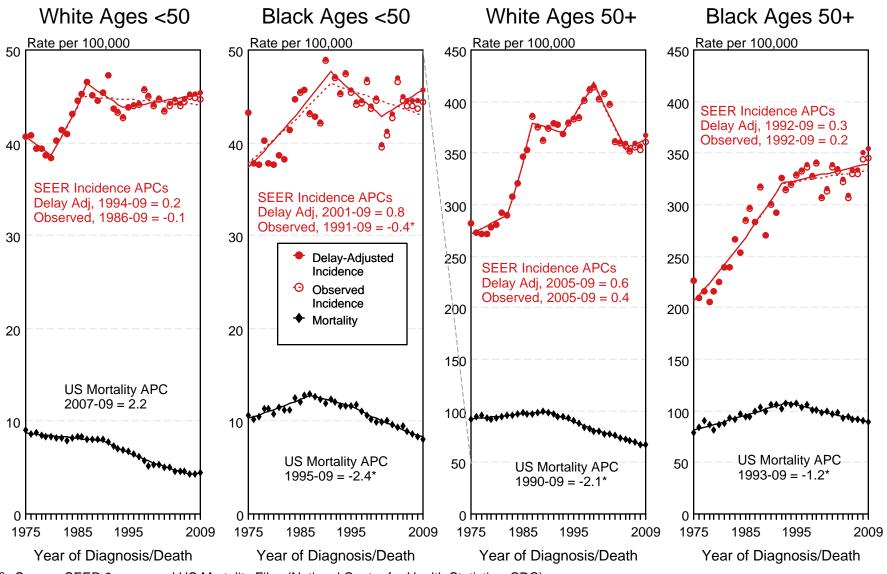
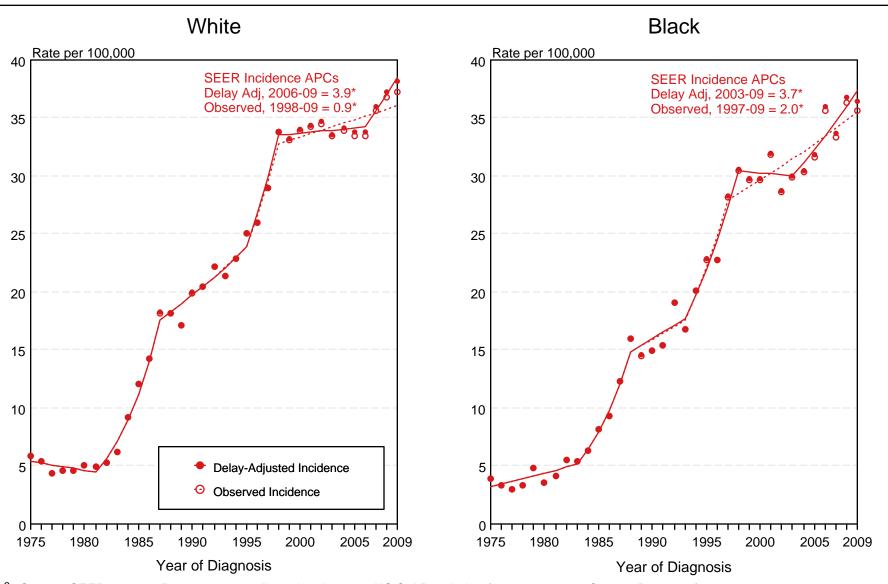


Figure 4.2

^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.

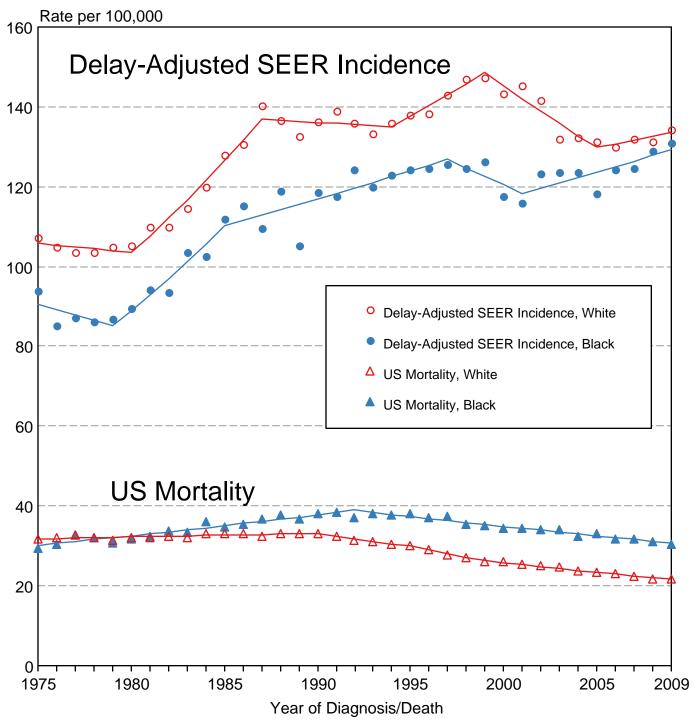
The APC is significantly different from zero (p < 0.05).

SEER Observed Incidence and Delay Adjusted Incidence Rates^a Cancer of the Female Breast *(In Situ)*, by Race



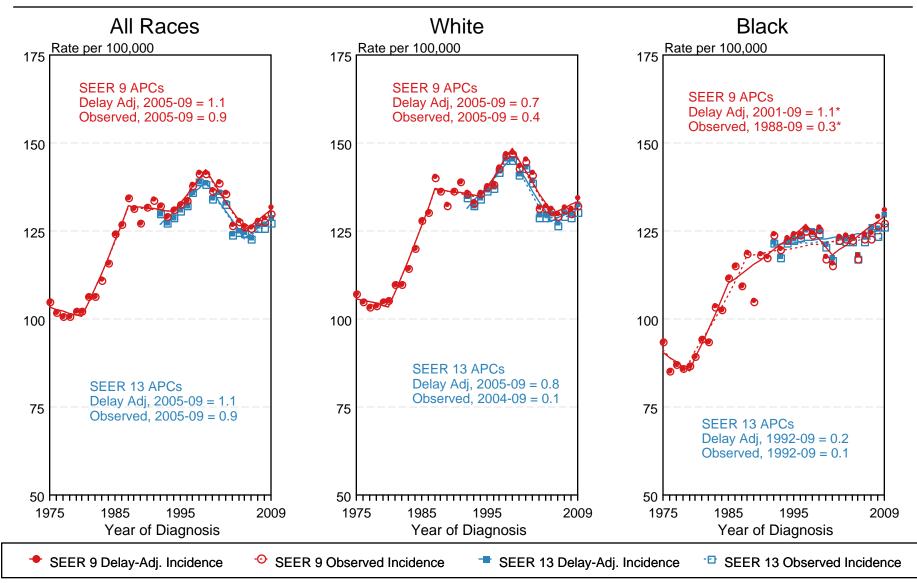
^a Source: SEER 9 areas. Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
 Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.5, April 2011, National Cancer Institute.
 The APC is the Annual Percent Change for the regression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

Cancer of the Breast Delay-Adjusted SEER Incidence & US Mortality White Females vs Black Females 1975-2009



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 are calculated using the Joinpoint Regression Program Version 3.5, April 2011, National Cancer Institute.

SEER Observed Incidence and SEER Delay Adjusted Incidence Rates^a SEER 9 Areas Compared to SEER 13 Areas Cancer of the Female Breast, by Race



^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).

Table 5.1 Cancer of the Cervix Uteri (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints,

All Ages by Race/Ethnicity

| | JP Tre | end 1 | JP Tre | end 2 | JP Tre | end 3 | JP Tre | end 4 | JP Tre | end 5 | JP Tr | end 6 | AAI | - |
|---------------------------|--------------------------|------------------------|---------|-------|---------|-------|---------|-------|--------|-------|-------|-------|---------|---------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| <u>SEER 9 Delay-Adjus</u> | ted Incide | nce ^a , 197 | 5-2009 | | | | | | | | | | | |
| All Races | 1975-82 | -4.6* | 1982-90 | -0.2 | 1990-09 | -2.5* | | | | | | | -2.5* | -2.5* |
| White | 1975-82 | -4.7* | 1982-90 | 0.2 | 1990-09 | -2.2* | | | | | | | -2.2* | -2.2* |
| Black | 1975-09 | -3.7* | | | | | | | | | | | -3.7* | -3.7* |
| <u>SEER 13 Delay-Adju</u> | sted Incide | ence ^b , 19 | 92-2009 | | | | | | | | | | | |
| All Races | 1992-09 | -2.5* | | | | | | | | | | | -2.5* | -2.5* |
| White | 1992-09 | -2.1* | | | | | | | | | | | -2.1* | -2.1* |
| Black | 1992-09 | -3.8* | | | | | | | | | | | -3.8* | -3.8* |
| SEER 9 Observed In | cidence ^a , 1 | 1975-2009 | | | | | | | | | | | | |
| All Races | 1975-82 | -4.6* | 1982-90 | -0.1 | 1990-09 | -2.6* | | | | | | | -2.6* | -2.6* |
| White | 1975-82 | -4.7* | 1982-90 | 0.3 | 1990-09 | -2.3* | | | | | | | -2.3* | -2.3* |
| Black | 1975-09 | -3.7* | | | | | | | | | | | -3.7* | -3.7* |
| SEER 13 Observed I | ncidence ^b , | 1992-200 | 9 | | | | | | | | | | | |
| All Races | 1992-09 | -2.6* | | | | | | | | | | | -2.6* | -2.6* |
| White | 1992-09 | -2.2* | | | | | | | | | | | -2.2* | -2.2* |
| White NH ^{ef} | 1992-09 | -2.1* | | | | | | | | | | | -2.1* | -2.1* |
| Black | 1992-09 | -3.9* | | | | | | | | | | | -3.9* | -3.9* |
| Black NH ^{ef} | 1992-09 | -3.8* | | | | | | | | | | | -3.8* | -3.8* |
| API ^e | 1992-09 | -4.3* | | | | | | | | | | | -4.3* | -4.3* |
| AI/AN ^{eg} | 1992-09 | -0.9 | | | | | | | | | | | -0.9 | -0.9 |
| Hispanic ^f | 1992-09 | -3.8* | | | | | | | | | | | -3.8* | -3.8* |
| U.S. Cancer Mortal | ity ^c , 1975- | -2009 | | | | | | | | | | | | |
| All Races | 1975-82 | -4.3* | 1982-96 | -1.6* | 1996-03 | -3.8* | 2003-09 | -0.9* | | | | | -1.9* | -0.9* |
| White | 1975-83 | -4.2* | 1983-96 | -1.3* | 1996-03 | -3.4* | 2003-09 | -0.8 | | | | | -1.7* | -0.8 |
| Black | 1975-81 | -4.8* | 1981-93 | -2.4* | 1993-03 | -4.8* | 2003-09 | -1.7 | | | | | -2.7* | -1.7 |
| U.S. Cancer Mortal | itv ^c , 1992- | -2009 | | | | | | | | | | | | |
| All Races | 1992-97 | -2.4* | 1997-03 | -3.8* | 2003-09 | -0.9* | | | | | | | -1.9* | -0.9* |
| White | 1992-96 | -1.4 | 1996-03 | -3.4* | 2003-09 | -0.8 | | | | | | | -1.7* | -0.8 |
| White NH ^{ef} | 1992-96 | -1.1 | 1996-04 | -3.4* | 2004-07 | 0.9 | 2007-09 | -2.8 | | | | | -1.9* | -1.0 |
| Black | 1992-03 | -4.8* | 2003-09 | -1.6 | | | | | | | | | -2.7* | -1.6 |
| Black NH ^{ef} | 1992-01 | -5.1* | 2001-09 | -2.5* | | | | | | | | | -2.8* | -2.5* |
| API ^e | 1992-09 | -3.8* | | | | | | | | | | | -3.8* | -3.8* |
| AI/AN ^{eg} | 1992-09 | -1.8 | | | | | | | | | | | -1.8 | -1.8 |
| Hispanic ^f | 1992-09 | -2.6* | | | | | | | | | | | -2.6* | -2.6* |
| - | | | | | | | | | | | | | | |

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

а

b

С

d

f

g

Table 5.2 Cancer of the Cervix Uteri (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints, Ages <50 by Race/Ethnicity

| Tears APC Years APC <th< th=""><th></th><th>JP Trend</th><th>1 JP Tr</th><th>end 2</th><th>JP Tre</th><th>end 3</th><th>JP Tre</th><th>end 4</th><th>JP Tre</th><th>end 5</th><th>JP Tr</th><th>end 6</th><th>AAF</th><th>C^{d}</th></th<> | | JP Trend | 1 JP Tr | end 2 | JP Tre | end 3 | JP Tre | end 4 | JP Tre | end 5 | JP Tr | end 6 | AAF | C^{d} |
|---|------------------------|-------------------------------|----------------------------|-------|---------|-------|---------|-------|--------|-------|-------|-------|---------|---------|
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | | Years A | | | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | SEER 9 Delay-Adius | sted Incidence ^a | . 1975-2009 | | | | | | | | | | | |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | | | | 1.2 | 1989-09 | -2.1* | | | | | | | -2.1* | -2.1* |
| SEER 13 Delay-Adjusted Incidence ^b , 1992-2009All Races1992-00 $-1.7*$ Black1992-09 $-3.9*$ SEER 9 Observed Incidence ^b , 1975-80 $-3.9*$ SHAR1975-81 $-4.6*$ Black1975-81 $-4.6*$ 1982-09 $-3.9*$ SEER 13 Observed Incidence ^b , 1992-2009All Races1975-82SEER 13 Observed Incidence ^b , 1992-2009All Races1992-09All Races1992-09Black1992-09Hite1992-09All Races1992-09All Races1975-79All Races1975-79All Races1975-79All Races1992-09All Races1992-09All Races1992-09All Races1992-09All Races1992-09All Races1992-09All Races1992-09All Ra | White | | | | | -1.7* | | | | | | | -1.7* | -1.7* |
| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ | Black | 1975-09 -3 | .4* | | | | | | | | | | -3.4* | -3.4* |
| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ | SEER 13 Delay-Adju | usted Incidence | e ^b , 1992-2009 | | | | | | | | | | | |
| Black 1992-09 -3.9^* -2.2^* $-$ | All Races | 1992-06 -2 | .4* 2006-09 | 0.9 | | | | | | | | | -1.3 | 0.1 |
| SEER 9 Observed Incidence*, 1975-2009 All Races 1975-82 -3.9* 1982-90 0.8 1990-09 -2.2* -2.2* White 1975-01 -4.6* 1981-89 1.6 1989-09 -1.8* Black 1975-02 -3.4* -3.4* -3.4* -3.4* SEER 13 Observed Incidence*, 1992-2009 -1.8* -1.8* -1.8* White 1992-09 -1.8* -1.8* White Ntm* 1992-09 -1.6* -1.6* Black 1992-09 -1.6* -1.6* Black 1992-09 -2.2* -2.5* AI/ AN*9 1992-09 -2.5* -2.5* AI/AN*9 1992-09 -0.7* 1997-00 -6.3 2000-09 -1.2* U.S. Cancer Mortality*, 1975-2009 -1.8* 1975-79 -0.7* 1997-00 -6.3 2000-09 -1.2* All Races 1975-79 -5.0* 1979-97 -0.7* 1997-03 -3.7* 2003-09 -0.4 Black 1975-79 -5.0* 1979-97 -0.4* 1.5* -0.4 | White | 1992-09 -1 | .7* | | | | | | | | | | -1.7* | -1.7* |
| All Races1975-82-3.9*1982-900.81990-09-2.2*-2.2*-2.2*-2.2*-2.2*White1975-81-4.6*1981-891.61989-09-1.8*-1.8*-1.8*-1.8*-1.8*-1.8*-1.8*-3.4*-1.6*-1.6*-1.6*-1.6*-1.6*-1.6*-1.6*-1.6*-1.6*-1.6*-1.6*-1.6*-1.6*-1.6*-1.6*-1.6*-1.5*-0.4*-3.5*-2.5*< | Black | 1992-09 -3 | .9* | | | | | | | | | | -3.9* | -3.9* |
| White $1975 - 81$ $-4.6 +$ $1981 - 89$ 1.6 $1989 - 09$ $-1.8 +$ $-1.8 +$ $-1.8 +$ $-1.8 +$ $-1.8 +$ $-2.4 +$ $-3.4 +$ -3 | SEER 9 Observed In | ncidence ^a , 1975 | -2009 | | | | | | | | | | | |
| Black $1975-09$ -3.4^* -3.4^* -3.4^* SEER 13 Observed Incidence ^b , 1992-09 $1992-09$ -2.2^* -2.2^* -2.2^* All Races $1992-09$ -1.8^* -1.6^* -1.8^* White NH ^{ef} $1992-09$ -1.6^* -1.6^* -1.6^* Black NH ^{ef} $1992-09$ -4.0^* -4.0^* Black NH ^{ef} $1992-09$ -4.0^* -4.0^* Al/AN ^{eg} $1992-09$ -4.0^* -2.5^* Black NH ^{ef} $1992-09$ -3.5^* -2.5^* U.S. Cancer Mortality ^e , $1975-2009$ -0.7^* $1997-00$ -6.3 $2000-09$ -1.2^* All Races $1975-81$ -3.8^* $1981-97$ -0.7^* $1997-03$ -3.7^* $2003-09$ -1.2^* U.S. Cancer Mortality ^e , $1975-2009$ -0.4^* $1997-03$ -3.7^* $2003-09$ -1.2^* -1.2^* Black $1975-81$ -3.8^* $1981-97$ -0.7^* $1997-03$ -3.7^* $2003-09$ -1.2^* U.S. Cancer Mortality ^e , $1992-09$ -3.2^* $1997-03$ -3.7^* $2003-09$ -1.2^* -1.2^* Mhite $1992-09$ -3.2^* -3.6^* $2003-09$ -0.4 -1.5^* -0.4 Black $1992-09$ -1.8^* $2003-09$ -0.4 -1.5^* -0.4 Mhite $1992-09$ -1.8^* $2003-09$ -0.4 -1.5^* -0.4 Black $1992-09$ -3.6^* $2003-09$ -0.4 -1.5^* -0.4 < | All Races | 1975-82 -3 | .9* 1982-90 | 0.8 | 1990-09 | -2.2* | | | | | | | -2.2* | -2.2* |
| SEER 13 Observed Incidence ^b , 1992-2009 -2.2* -2.2* All Races 1992-09 -2.2* White 1992-09 -1.8* White NH ^{ef} 1992-09 -4.0* Black 1992-09 -4.0* Black NH ^{ef} 1992-09 -4.0* API* 1992-09 -4.0* Black NH ^{ef} 1992-09 -4.0* API* 1992-09 -2.5* I.awa -2.5* -2.5* All Races 1992-09 -3.5* U.S. Cancer Mortality ^c , 1975-2009 -3.5* -3.5* Mhite 1975-81 -3.8* 1981-97 -0.7* 1997-00 -6.3 2000-09 -1.2* Mhite 1975-79 -5.0* 1979-97 -0.4* 1997-03 -3.7* 2003-09 -0.4 Black 1975-09 -3.2* -3.6* 2003-09 -0.4 -1.5* -0.4 Black 1992-03 -3.6* 2003-09 -0.4 -1.5* -0.4 Black 1992-03 -3.6* 2003-09 -0.4 -1.5* -0.4 | White | 1975-81 -4 | .6* 1981-89 | 1.6 | 1989-09 | -1.8* | | | | | | | -1.8* | -1.8* |
| All Races $1992-09 - 2.2^*$ -2.2^* -2.2^* -2.2^* White NR ^{ef} $1992-09 - 1.8^*$ -1.8^* -1.8^* -1.8^* White NR ^{ef} $1992-09 - 1.6^*$ -1.6^* -1.6^* Black NH ^{ef} $1992-09 - 4.0^*$ -4.0^* -4.0^* Black NN ^{ef} $1992-09 - 4.0^*$ -4.0^* -4.0^* ADT ^e $1992-09 - 4.0^*$ -4.0^* -4.0^* Black NN ^{ef} $1992-09 - 2.5^*$ -2.5^* -2.5^* AI/AN ^{eg} $1992-09 - 3.5^*$ 1.0 1.0 Hispanic ^f $1992-09$ -3.5^* -3.5^* U.S. Cancer Mortality ^c , 1975-2009 -0.4^* $1997-00$ -6.3 $2000-09 - 1.2^*$ All Races $1975-79 - 5.0^*$ $1997-97 - 0.4^*$ $1997-03 - 3.7^*$ $2003-09 - 0.4$ Black $1975-09 - 3.2^*$ $-1.5^* - 0.4$ $-1.5^* - 0.4$ Black $1992-09 - 1.8^*$ $-1.5^* - 0.8$ $-1.5^* - 0.4$ White $1992-09 - 1.8^*$ $-1.5^* - 0.4$ $-1.6^* - 1.6^*$ White NH ^{ef} $1992-09 - 1.8^*$ $-1.6^* - 1.6^*$ $-1.6^* - 1.6^*$ Black $1992-09 - 3.6^*$ $201-09 - 1.1$ $-1.6^* - 1.6^*$ $-1.6^* - 1.6^*$ Black $1992-09 - 3.6^*$ $-3.6^* - 3.6^*$ $-3.6^* - 3.6^*$ API ^e $1992-09 - 3.6^*$ $-3.6^* - 3.6^*$ $-3.6^* - 3.6^*$ API ^e $1992-09 - 3.6^*$ $-3.6^* - 3.6^*$ $-3.6^* - 3.6^*$ API ^e $1992-09 - 3.6^*$ $-3.6^* - 3.6^*$ $-3.8^* - 3.8^*$ | Black | 1975-09 -3 | .4* | | | | | | | | | | -3.4* | -3.4* |
| White $1992-09 - 1.8^*$ -1.8^* -1.8^* White NH*f $1992-09 - 4.0^*$ -1.6^* -1.6^* Black $1992-09 - 4.0^*$ -4.0^* -4.0^* APT $1992-09 - 4.0^*$ -4.0^* -4.0^* APT $1992-09 - 2.5^*$ -2.5^* -2.5^* AI/AN*g $1992-09 - 3.5^*$ -3.5^* -3.5^* U.S. Cancer Mortality ^c , $1975-2009$ -0.7^* $1997-00 - 6.3$ $2000-09 - 1.2^*$ All Races $1975-81 - 3.8^*$ $1981-97 - 0.7^*$ $1997-00 - 6.3$ $2000-09 - 1.2^*$ Black $1975-09 - 3.2^*$ $1979-97 - 0.4^*$ $1997-03 - 3.7^*$ $2003-09 - 0.4$ U.S. Cancer Mortality ^c , $1992-209$ -3.6^* $-1.5^* - 0.4$ -3.2^* Black $1975-97 - 0.3$ $1979-97 - 0.4^*$ $1997-03 - 3.7^*$ $2003-09 - 0.4$ $-1.5^* - 0.4$ Mhite $1992-09 - 3.2^*$ $-1.5^* - 0.4$ $-1.5^* - 0.4$ $-1.5^* - 0.4$ White $1992-09 - 1.8^*$ $1997-03 - 3.6^*$ $2003-09 - 0.4$ $-1.5^* - 0.4$ Mhite $1992-09 - 1.8^*$ $-1.6^* - 1.1$ $-1.6^* - 1.1^*$ Black $1992-09 - 1.8^*$ $2001-09 - 1.1$ $-1.6^* - 1.1^*$ Black $1992-09 - 3.6^*$ $2001-09 - 1.1$ $-3.6^* - 3.6^*$ Black $1992-09 - 3.8^*$ $-3.8^* - 3.8^*$ AI'Ant*g* $1992-09 - 3.8^*$ $-3.8^* - 3.8^*$ AI'Ant*g* $1992-09 - 3.8^*$ $-3.8^* - 3.8^*$ AI'Ant*g* $1992-09 - 3.8^*$ $-3.8^* - 3.8^* - 3.8^*$ | SEER 13 Observed 1 | Incidence ^b , 1993 | 2-2009 | | | | | | | | | | | |
| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ | All Races | 1992-09 -2 | .2* | | | | | | | | | | -2.2* | -2.2* |
| Black $1992-09 - 4.0^*$ -4.0^* -4.0^* Black NH ^{ef} $1992-09 - 4.0^*$ -4.0^* -4.0^* API* $1992-09 - 2.5^*$ -4.0^* -4.0^* AI/An*3 $1992-09 - 2.5^*$ -2.5^* -2.5^* AI/An*3 $1992-09 - 3.5^*$ -3.5^* -3.5^* U.S. Cancer Mortality ^c , $1975-2009$ -3.5^* -3.5^* All Races $1975-81 - 3.8^*$ $1981-97 - 0.7^*$ $1997-00 - 6.3$ $2000-09 - 1.2^*$ All Races $1975-79 - 5.0^*$ $1979-97 - 0.4^*$ $1997-03 - 3.7^*$ $2003-09 - 0.4$ Black $1975-09 - 3.2^*$ $-1.5^* - 0.4$ $-3.2^* - 3.2^*$ U.S. Cancer Mortality ^c , $1992-2009$ -1.8^* $-1.5^* - 0.4$ $-1.5^* - 0.4$ Black $1992-09 - 3.6^*$ $-1.5^* - 0.4$ $-1.5^* - 0.4$ Black $1992-09 - 3.6^*$ $-1.5^* - 0.4$ $-1.5^* - 0.4$ White $1992-09 - 3.6^*$ $-1.5^* - 0.4$ $-1.5^* - 0.4$ Black $1992-09 - 3.6^*$ $-1.5^* - 0.4$ $-1.5^* - 0.4$ White NH ^{ef} $1992-09 - 3.6^*$ $-1.5^* - 0.4$ Black $1992-09 - 3.6^*$ $-1.6^* - 1.1$ Black $1992-09 - 3.6^*$ $-3.6^* - 3.6^*$ AI/An ^{eg} $1992-09 - 3.6^*$ $-3.6^* - 3.6^*$ AI/An ^{eg} $1992-09 - 3.6^*$ -3.8^* <td>White</td> <td>1992-09 -1</td> <td>.8*</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-1.8*</td> <td>-1.8*</td> | White | 1992-09 -1 | .8* | | | | | | | | | | -1.8* | -1.8* |
| Black NH^{ef} 1992-09 1992-09-4.0* -2.5*-4.0* -2.5*-2.5* -2.5*AI /AN ^{eg} 1992-09 1975-79-3.5*1.0 1.01.0 1.01.0 1.0Hispanic ^f 1975-2009 1975-79-3.5*-3.5*-3.5*U.S. Cancer Mortality ^c , 1975-2009 All Races1975-81 1975-79-0.7* 1979-971997-00 -6.3 -0.4*2000-09 -1.2*-1.2* -1.2*White1975-79 -5.0*1979-97 1979-97-0.4* 1979-972003-09 -0.4*-1.2* -0.4-1.5* -0.4Black1975-09 -3.2*-3.0* 2003-092003-09 -0.4*-0.4 2003-09 -0.4-1.5* -0.4-0.4 -1.5*Mhite1992-03 -1.5*-3.6* 2003-09 -1.1*-1.5* -0.4-0.4 -1.5*-0.4 -1.5*Mhite1992-03 -1.5*2003-09 -0.4*-0.4 2003-09 -0.4*-1.5* -0.4 -1.5*-0.4 -1.5*Mhite1992-09 -1.8*1997-03 -3.6*-3.6* -3.6*-1.5* -0.4-0.4 -1.5*Black1992-09 -1.8*2001-09 -1.1-1.6 -1.1 -1.6*-1.6* -3.6* -3.6*-3.6* -3.6*Black1992-09 -3.8*2001-09 -1.1-1.1 -1.6 -1.1 -1.6-1.1 -3.6* -3.6*-3.6* -3.6*Black1992-09 -3.8*-3.8* -3.6*-3.6* -3.6*-3.6* -3.6*-3.6* -3.6*All /An ^{eg} 1992-09 -3.8*-3.8* -3.8*-3.8* -3.8*-3.8* -3.8*DiackNH ^{ef} -1992- | White NH ^{ef} | 1992-09 -1 | .6* | | | | | | | | | | -1.6* | -1.6* |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | Black | 1992-09 -4 | .0* | | | | | | | | | | -4.0* | -4.0* |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | | 1992-09 -4 | .0* | | | | | | | | | | -4.0* | -4.0* |
| Hispanicf $1992-09 - 3.5^*$ $-3.5^* - 3.5^*$ U.S. Cancer Mortality ^c , $1975-2009$ -1.2^* $-1.2^* - 1.2^*$ All Races $1975-81 - 3.8^*$ $1981-97 - 0.7^*$ $1997-00 - 6.3$ $2000-09 - 1.2^*$ White $1975-79 - 5.0^*$ $1979-97 - 0.4^*$ $1997-03 - 3.7^*$ $2003-09 - 0.4$ Black $1975-09 - 3.2^*$ $-1.5^* - 0.4$ $-3.2^* - 3.2^*$ U.S. Cancer Mortality ^c , $1992-2009$ $-1.5^* - 0.8$ $-1.5^* - 0.8$ All Races $1992-07 - 0.8$ $1997-03 - 3.6^*$ $2003-09 - 0.4$ White $1992-09 - 1.8^*$ $-1.5^* - 0.4$ Black $1992-09 - 1.8^*$ $-1.6^* - 1.8^*$ Black $1992-09 - 3.6^*$ $-1.6^* - 1.1$ Black NH ^{eff} $1992-09 - 3.6^*$ $-3.6^* - 3.6^* - 3.8^*$ Al/AN ^{eg} $1992-09 - 0.9$ $-3.8^* - 3.8^*$ | API ^e | 1992-09 -2 | .5* | | | | | | | | | | -2.5* | -2.5* |
| Image: Second StructureU.S. Cancer Mortality ^c , 1975-81 $3.8*$ 1981-97 $-0.7*$ 1997-00 -6.3 2000-09 $-1.2*$ All Races1975-79 $5.0*$ 1979-97 $-0.4*$ 1997-03 $-3.7*$ 2003-09 -0.4 Black1975-09 $-3.2*$ $-3.2*$ $-3.2*$ $-3.2*$ $-3.2*$ U.S. Cancer Mortality ^c , 1992-2009 $-0.4*$ 1997-03 $-3.7*$ 2003-09 -0.4 All Races1992-03 $-3.0*$ 2003-09 -0.4 $-1.5*$ -0.8 White1992-97 -0.8 1997-03 $-3.6*$ 2003-09 -0.4 White NH ^{ef} 1992-09 $-1.8*$ $-1.5*$ -0.4 Black1992-09 $-1.8*$ $-1.6*$ $-1.6*$ Black1992-09 $-3.6*$ $2001-09$ -1.1 $-1.6*$ Black NH ^{eff} 1992-09 $-3.6*$ $-3.6*$ $-3.6*$ API ^e 1992-09 $-3.8*$ $-3.8*$ $-3.8*$ AI/AN ^{eg} 1992-09 0.9 0.9 0.9 | AI/AN ^{eg} | 1992-09 1 | .0 | | | | | | | | | | 1.0 | 1.0 |
| All Races $1975-81$ -3.8^* $1981-97$ -0.7^* $1997-00$ -6.3 $2000-09$ -1.2^* -1.2^* -1.2^* White $1975-79$ -5.0^* $1979-97$ -0.4^* $1997-03$ -3.7^* $2003-09$ -0.4 -1.5^* -0.4 Black $1975-09$ -3.2^* -3.7^* $2003-09$ -0.4 -3.2^* -3.2^* U.S. Cancer Mortality ^c , $1992-2009$ -3.2^* -1.5^* -0.4 -3.2^* -3.2^* All Races $1992-03$ -3.0^* $2003-09$ -0.4 -1.5^* -0.8 White $1992-97$ -0.8 $1997-03$ -3.6^* $2003-09$ -0.4 White $1992-09$ -1.8^* -1.5^* -0.4 White $1992-09$ -1.8^* -1.8^* -1.8^* Black $1992-09$ -1.8^* -1.6 -1.1 Black NH ^{ef} $1992-09$ -3.8^* -3.6^* -3.6^* API ^e $1992-09$ -3.8^* -3.8^* -3.8^* AI/AN ^{eg} $1992-09$ 0.9 0.9 0.9 | Hispanic ^f | 1992-09 -3 | .5* | | | | | | | | | | -3.5* | -3.5* |
| White $1975-79$ -5.0^* $1979-97$ -0.4^* $1997-03$ -3.7^* $2003-09$ -0.4 Black $1975-09$ -3.2^* -3.2^* -3.2^* -3.2^* -3.2^* U.S. Cancer Mortality ^c , $1992-2009$ -1.5^* -0.4 -3.2^* -3.2^* All Races $1992-03$ -3.0^* $2003-09$ -0.8 -1.5^* -0.8 White $1992-97$ -0.8 $1997-03$ -3.6^* $2003-09$ -0.4 White NH ^{ef} $1992-09$ -1.8^* -1.8^* -1.8^* Black $1992-01$ -5.6^* $2001-09$ -1.1 Black NH ^{ef} $1992-09$ -3.6^* -3.6^* API ^e $1992-09$ -3.8^* -3.8^* AI/AN ^{eg} $1992-09$ 0.9 0.9 | U.S. Cancer Mortal | lity ^c , 1975-200 | 9 | | | | | | | | | | | |
| Black $1975-09 -3.2^*$ $-3.2^* -3.2^*$ U.S. Cancer Mortality ^c , $1992-2009$ $-1.5^* -0.8$ All Races $1992-03 -3.0^*$ $2003-09 -0.8$ White $1992-97 -0.8$ $1997-03 -3.6^*$ $2003-09 -0.4$ White NH ^{ef} $1992-09 -1.8^*$ $-1.5^* -0.4$ Black $1992-01 -5.6^*$ $2001-09 -1.1$ Black NH ^{ef} $1992-09 -3.6^*$ $-3.6^* -3.6^*$ API ^e $1992-09 -3.8^*$ $-3.8^* -3.8^*$ AI/AN ^{eg} $1992-09 -0.9$ 0.9 | All Races | 1975-81 -3 | .8* 1981-97 | -0.7* | 1997-00 | -6.3 | 2000-09 | -1.2* | | | | | -1.2* | -1.2* |
| U.S. Cancer Mortality ^c , 1992-2009All Races $1992-03 - 3.0^*$ $2003-09 - 0.8$ Mhite $1992-97 - 0.8$ $1997-03 - 3.6^*$ $2003-09 - 0.4$ White NH ^{ef} $1992-09 - 1.8^*$ $-1.5^* - 0.4$ Black $1992-01 - 5.6^*$ $2001-09 - 1.1$ $-1.6 - 1.1$ Black NH ^{ef} $1992-09 - 3.6^*$ $-3.6^* - 3.6^*$ API ^e $1992-09 - 3.8^*$ $-3.8^* - 3.8^*$ AI/AN ^{eg} $1992-09 - 0.9$ 0.9 | White | 1975-79 -5 | .0* 1979-97 | -0.4* | 1997-03 | -3.7* | 2003-09 | -0.4 | | | | | -1.5* | -0.4 |
| All Races 1992-03 -3.0* 2003-09 -0.8 White 1992-97 -0.8 1997-03 -3.6* 2003-09 -0.4 White NH ^{ef} 1992-09 -1.8* -1.5* -0.4 Black 1992-01 -5.6* 2001-09 -1.1 Black NH ^{ef} 1992-09 -3.6* -3.6* -3.6* API ^e 1992-09 -3.8* -3.8* -3.8* AI/AN ^{eg} 1992-09 0.9 0.9 0.9 | Black | 1975-09 -3 | .2* | | | | | | | | | | -3.2* | -3.2* |
| White 1992-97 -0.8 1997-03 -3.6* 2003-09 -0.4 White NH ^{ef} 1992-09 -1.8* -1.8* -1.8* -1.8* Black 1992-01 -5.6* 2001-09 -1.1 -1.6 -1.1 Black 1992-09 -3.6* -3.6* -3.6* -3.6* API ^e 1992-09 -3.8* -3.8* -3.8* -3.8* AI/AN ^{eg} 1992-09 0.9 0.9 0.9 0.9 | U.S. Cancer Mortal | lity ^c , 1992-200 | 9 | | | | | | | | | | | |
| White NH ^{ef} 1992-09 -1.8* -1.8* Black 1992-01 -5.6* 2001-09 -1.1 Black NH ^{ef} 1992-09 -3.6* -3.6* -3.6* API ^e 1992-09 -3.8* -3.8* -3.8* AI/AN ^{eg} 1992-09 0.9 0.9 0.9 | All Races | 1992-03 -3 | .0* 2003-09 | -0.8 | | | | | | | | | -1.5* | -0.8 |
| Black 1992-01 -5.6* 2001-09 -1.1 Black NH ^{ef} 1992-09 -3.6* -3.6* API ^e 1992-09 -3.8* -3.8* AI/AN ^{eg} 1992-09 0.9 0.9 | | 1992-97 -0 | .8 1997-03 | -3.6* | 2003-09 | -0.4 | | | | | | | -1.5* | -0.4 |
| Black NH ^{ef} 1992-09 -3.6* API ^e 1992-09 -3.8* AI/AN ^{eg} 1992-09 0.9 | White NH ^{ef} | 1992-09 -1 | .8* | | | | | | | | | | -1.8* | -1.8* |
| API ^e 1992-09 -3.8* AI/AN ^{eg} 1992-09 0.9 0.9 0.9 | | 1992-01 -5 | .6* 2001-09 | -1.1 | | | | | | | | | -1.6 | -1.1 |
| AI/AN ^{eg} 1992-09 0.9 0.9 | Black NH ^{ef} | 1992-09 -3 | .6* | | | | | | | | | | -3.6* | -3.6* |
| | | | | | | | | | | | | | | |
| Hispanic ^f 1992-09 -2.7* -2.7* | | | | | | | | | | | | | | |
| | Hispanic ^f | 1992-09 -2 | .7* | | | | | | | | | | -2.7* | -2.7* |

Joinpoint Regression Program Version 3.5, April 2011, National Cancer Institute. (<u>http://surveillance.cancer.gov/joinpoint</u>/). 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
- API ASIAN/Pacific Islander, AT/AN American Indian/Alaska Native, NH Non-Hispanic
 ^f Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska
 - Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, SC, 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.

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Table 5.3 Cancer of the Cervix Uteri (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints, Ages 50+ by Race/Ethnicity

| | JP Tre | nd 1 | 1 JP Tren | | JP Trend 3 | | JP Trend 4 | | JP Trend 5 | | JP Trend 6 | | AAF | C^{d} |
|--|--|--------------------------|--------------------|----------------|--------------------|-------------|------------|------|------------|------|------------|-----|----------------|----------------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | - |
| SEER 9 Delay-Adjus | ted Inciden | uce ^a 197 | 5-2009 | | | | | | | | | | | |
| All Races | 1975-83 | -4.8* | 1983-91 | -1.0 | 1991-09 | -3.1* | | | | | | | -3.1* | -3.1* |
| White | 1975-85 | -4.6* | 1985-90 | 0.3 | 1990-09 | -2.9* | | | | | | | -2.9* | -2.9* |
| Black | 1975-09 | -3.9* | | | | | | | | | | | -3.9* | -3.9* |
| SEER 13 Delay-Adju | atod Thaido | ngo ^b 10 | 92-2009 | | | | | | | | | | | |
| All Races | 1992-09 | -3.0* | 92-2009 | | | | | | | | | | -3.0* | -3.0* |
| White | 1992-09 | -2.6* | | | | | | | | | | | -2.6* | -2.6* |
| Black | 1992-09 | -3.7* | | | | | | | | | | | -3.7* | -3.7* |
| | | | | | | | | | | | | | | |
| <u>SEER 9 Observed In</u> All Races | 1975-83 | <u>975-2009</u> -4.8* | 1983-91 | -1.0 | 1991-09 | -3.2* | | | | | | | -3.2* | -3.2* |
| White | 1975-85 | -4.7* | 1985-90 | 0.4 | 1990-09 | -3.1* | | | | | | | -3.1* | -3.1* |
| Black | 1975-09 | -3.9* | 1903 90 | 0.1 | 1990 09 | 5.1 | | | | | | | -3.9* | -3.9* |
| | | | 2 | | | | | | | | | | | |
| <u>SEER 13 Observed I</u> All Races | <u>.ncidence², 1</u> 992-09 | -3.1* | 19 | | | | | | | | | | -3.1* | -3.1* |
| White | 1992-09 | $-3.1^{-2.7*}$ | | | | | | | | | | | -3.1* -2.7* | -3.1* -2.7* |
| White NH ^{ef} | 1992-09 | -2.8* | | | | | | | | | | | -2.8* | -2.8* |
| Black | 1992-09 | -3.8* | | | | | | | | | | | -3.8* | -3.8* |
| Black NH ^{ef} | 1992-09 | -3.7* | | | | | | | | | | | -3.7* | -3.7* |
| API ^e | 1992-09 | -5.5* | | | | | | | | | | | -5.5* | -5.5* |
| AI/AN ^{eg} | 1992-09 | -3.3 | | | | | | | | | | | -3.3 | -3.3 |
| Hispanic ^f | 1992-09 | -4.0* | | | | | | | | | | | -4.0* | -4.0* |
| U.S. Cancer Mortal | 1075 | | | | | | | | | | | | | |
| All Races | 1975-84 | -4.3* | 1984-94 | -1.8* | 1994-04 | -3.5* | 2004-07 | 0.5 | 2007-09 | -4.1 | | | -2.3* | -1.8 |
| White | 1975-84 | -4.6* | 1984-96 | -1.8* | 1996-04 | -3.5* | 2004-07 | 1.4 | 2007-09 | -5.1 | | | -2.2 | -1.9 |
| Black | 1975-79 | -5.5* | 1979-93 | -2.7* | 1993-05 | -4.5* | 2005-09 | -1.0 | 2007 05 | 5.1 | | | -3.0* | -1.0 |
| | | | 1979 90 | 2 | 2000 00 | 115 | 2000 00 | 2.0 | | | | | 5.0 | 1.0 |
| U.S. Cancer Mortal | <u>1992-2</u> 1992-04 | | 2004 07 | 0.2 | 2007-09 | 4 0 | | | | | | | -2.3* | -1.9 |
| All Races White | 1992-04 1992-94 | -3.4* -0.2 | 2004-07 1994-04 | 0.3 -3.4* | 2007-09 2004-07 | -4.0 1.3 | 2007-09 | -5.0 | | | | | -2.3^ | -1.9 -1.9 |
| White NH ^{ef} | 1992-94 | -0.2 -2.7* | 2000-04 | -3.4^ -4.5* | 2004-07 | 1.3 2.1 | 2007-09 | -5.0 | | | | | -2.2 | -1.9 |
| Black | 1992-00 | -4.6* | 2000-04 | -0.9 | 2004-07 | 2.1 | 2007-09 | -4.0 | | | | | -3.0* | -0.9 |
| Black NH ^{ef} | 1992-05 | -4.5* | 2005-09 | -0.9 | | | | | | | | | -3.3* | -1.7 |
| API ^e | 1992-09 | -3.9* | 2005 05 | ±•′ | | | | | | | | | -3.9* | -3.9* |
| AI/AN ^{eg} | 1992-09 | -3.6* | | | | | | | | | | | -3.6* | -3.6* |
| Hispanic ^f | 1992-09 | -2.5* | | | | | | | | | | | -2.5* | -2.5* |
| - | | | | | | | | | | | | | | |

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

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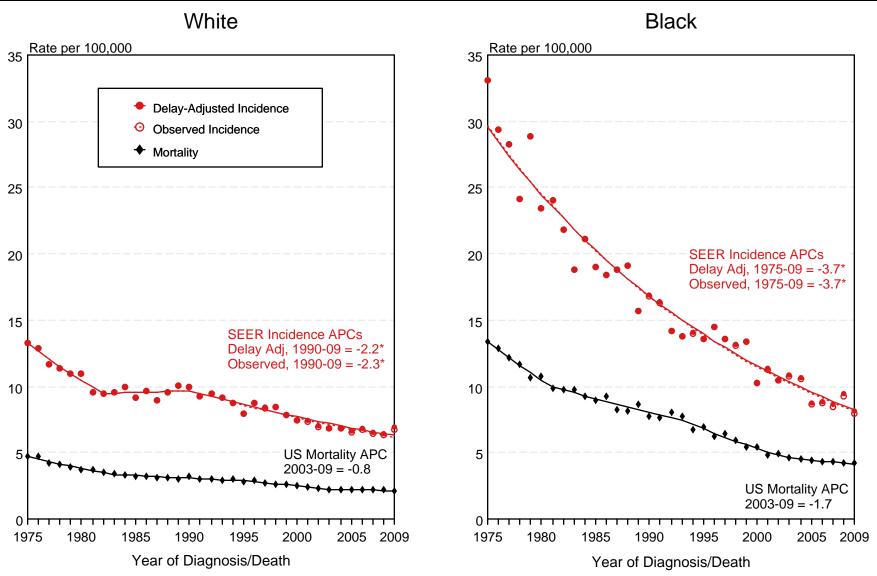
С

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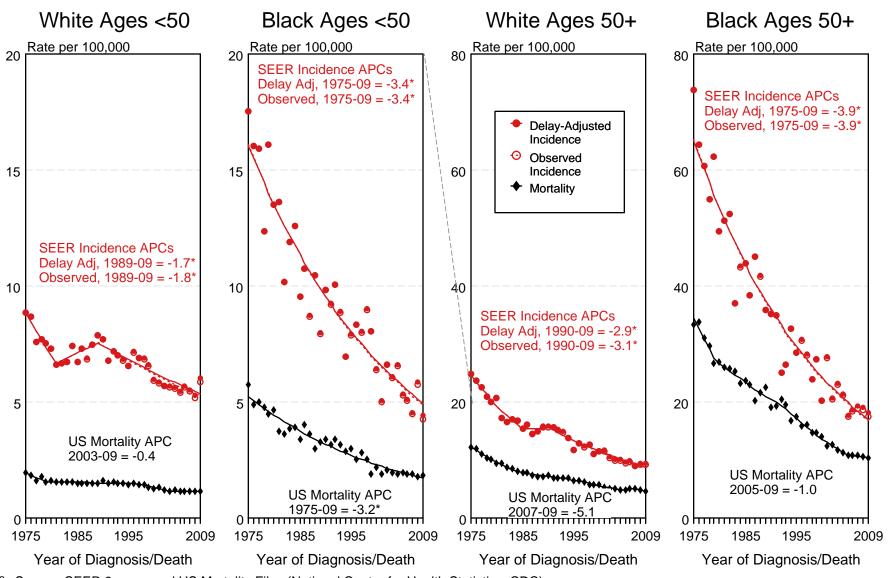
SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates^a Cancer of the Cervix Uteri, by Race



^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).

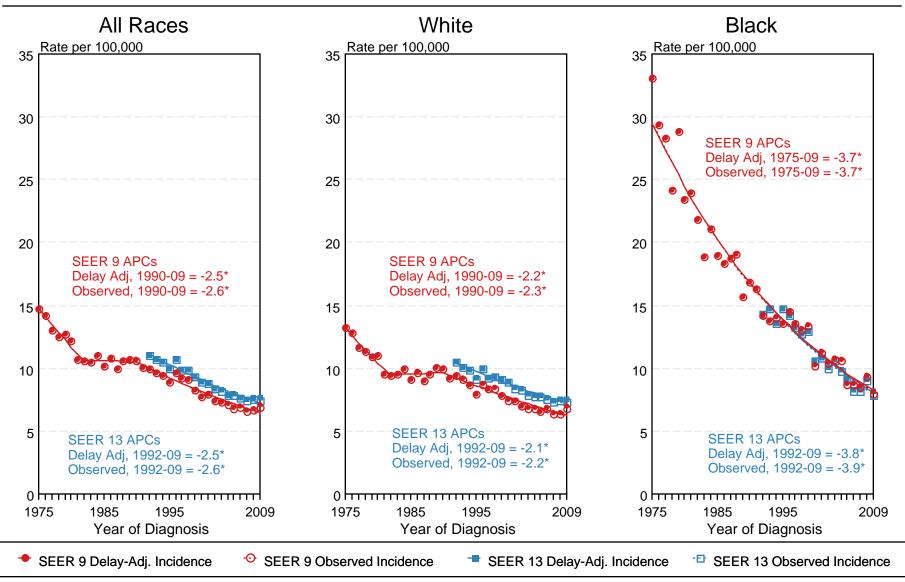
SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates^a Cancer of the Cervix Uteri, by Age and Race



 ^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 and SEER Delay Adjusted Incidence Rates^a SEER 9 Areas Compared to SEER 13 Areas Cancer of the Cervix Uteri, by Race



^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).

Table 6.1 Cancer of the Colon and Rectum (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints,

| Both Sexes | by | Race/Ethnicity |
|------------|----|----------------|
|------------|----|----------------|

| | JP Tre | | - | end 2 | JP Tre | | JP Tre | | JP Tre | | JP Trend 6 | | AAPC ^d | |
|---------------------------|--------------------------|------------------------|---------|-------|---------|-------|---------|-------|--------|-----|------------|-----|-------------------|---------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| SEER 9 Delay-Adjus | ted Incide | nce ^a , 197 | 5-2009 | | | | | | | | | | | |
| All Races | 1975-85 | 0.8* | 1985-95 | -1.8* | 1995-98 | 1.6 | 1998-09 | -2.4* | | | | | -2.4* | -2.4* |
| White | 1975-85 | 0.8* | 1985-95 | -2.0* | 1995-98 | 1.8 | 1998-09 | -2.6* | | | | | -2.6* | -2.6* |
| Black | 1975-80 | 3.2* | 1980-02 | -0.1 | 2002-09 | -2.3* | | | | | | | -1.8* | -2.3* |
| <u>SEER 13 Delay-Adju</u> | sted Incide | ence ^b , 19 | 92-2009 | | | | | | | | | | | |
| All Races | 1992-95 | -2.1* | 1995-98 | 1.7 | 1998-09 | -2.3* | | | | | | | -2.3* | -2.3* |
| White | 1992-95 | -2.2* | 1995-98 | 1.8 | 1998-09 | -2.5* | | | | | | | -2.5* | -2.5* |
| Black | 1992-03 | -0.1 | 2003-09 | -2.2* | | | | | | | | | -1.5* | -2.2* |
| SEER 9 Observed In | cidence ^a , 1 | <u>1975-2009</u> | | | | | | | | | | | | |
| All Races | 1975-85 | 0.8* | 1985-95 | -1.8* | 1995-98 | 1.6 | 1998-09 | -2.5* | | | | | -2.5* | -2.5* |
| White | 1975-85 | 0.8* | 1985-95 | -2.0* | 1995-98 | 1.8 | 1998-09 | -2.7* | | | | | -2.7* | -2.7* |
| Black | 1975-80 | 3.3* | 1980-03 | -0.2 | 2003-09 | -2.9* | | | | | | | -2.0* | -2.9* |
| SEER 13 Observed I | ncidence ^b , | 1992-200 | 19 | | | | | | | | | | | |
| All Races | 1992-95 | -2.2* | 1995-98 | 1.8 | 1998-09 | -2.4* | | | | | | | -2.4* | -2.4* |
| White | 1992-95 | -2.2* | 1995-98 | 1.9 | 1998-09 | -2.6* | | | | | | | -2.6* | -2.6* |
| White NH ^{ef} | 1992-95 | -2.2* | 1995-98 | 2.0 | 1998-09 | -2.7* | | | | | | | -2.7* | -2.7* |
| Black | 1992-03 | -0.1 | 2003-09 | -2.5* | | | | | | | | | -1.7* | -2.5* |
| Black NH ^{ef} | 1992-03 | -0.1 | 2003-09 | -2.4* | | | | | | | | | -1.6* | -2.4* |
| API ^e | 1992-09 | -1.1* | | | | | | | | | | | -1.1* | -1.1* |
| AI/AN ^{eg} | 1992-09 | -0.4 | | | | | | | | | | | -0.4 | -0.4 |
| Hispanic ^f | 1992-98 | 1.2 | 1998-09 | -0.9* | | | | | | | | | -0.9* | -0.9* |
| U.S. Cancer Mortal | ity ^c , 1975- | -2009 | | | | | | | | | | | | |
| All Races | 1975-84 | -0.5* | 1984-02 | -1.8* | 2002-05 | -4.0* | 2005-09 | -2.4* | | | | | -2.8* | -2.4* |
| White | 1975-84 | -0.6* | 1984-02 | -1.9* | 2002-05 | -4.1* | 2005-09 | -2.4* | | | | | -2.8* | -2.4* |
| Black | 1975-90 | 0.6* | 1990-01 | -0.8* | 2001-09 | -2.7* | | | | | | | -2.5* | -2.7* |
| U.S. Cancer Mortal | ity ^c , 1992- | -2009 | | | | | | | | | | | | |
| All Races | 1992-01 | -1.8* | 2001-09 | -3.1* | | | | | | | | | -2.9* | -3.1* |
| White | 1992-02 | -1.9* | 2002-05 | -4.1* | 2005-09 | -2.4* | | | | | | | -2.8* | -2.4* |
| White NH ^{ef} | 1992-02 | -1.8* | 2002-05 | -3.7* | 2005-09 | -2.3* | | | | | | | -2.7* | -2.3* |
| Black | 1992-01 | -0.7* | 2001-09 | -2.8* | | | | | | | | | -2.5* | -2.8* |
| Black NH ^{ef} | 1992-01 | -0.6* | 2001-09 | -2.6* | | | | | | | | | -2.3* | -2.6* |
| API ^e | 1992-09 | -2.0* | | | | | | | | | | | -2.0* | -2.0* |
| AI/AN ^{eg} | 1992-09 | 0.2 | | | | | | | | | | | 0.2 | 0.2 |
| Hispanic ^f | 1992-99 | 0.4 | 1999-09 | -1.9* | | | | | | | | | -1.9* | -1.9* |
| - | | | | | | | | | | | | | | |

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

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Table 6.2 Cancer of the Colon and Rectum (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints,

Males by Race/Ethnicity

| | JP Trend 1 | | JP Tre | end 2 | JP Tre | end 3 | JP Tre | end 4 | JP Tre | end 5 | JP Tre | end 6 | AAP | |
|---|--------------------------|------------------------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|---------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| SEER 9 Delay-Adjust | ted Incide | nce ^a , 197 | 5-2009 | | | | | | | | | | | |
| All Races | 1975-85 | 1.1* | 1985-91 | -1.2* | 1991-95 | -3.2* | 1995-98 | 2.1 | 1998-09 | -2.9* | | | -2.9* | -2.9* |
| White | 1975-85 | 1.1* | 1985-91 | -1.4* | 1991-95 | -3.3* | 1995-98 | 2.2 | 1998-09 | -3.1* | | | -3.1* | -3.1* |
| Black | 1975-91 | 1.2* | 1991-09 | -1.0* | | | | | | | | | -1.0* | -1.0* |
| SEER 13 Delay-Adju | sted Incide | ence ^b , 19 | 92-2009 | | | | | | | | | | | |
| All Races | 1992-95 | -2.6* | 1995-98 | 1.5 | 1998-09 | -2.6* | | | | | | | -2.6* | -2.6* |
| White | 1992-95 | -2.8* | 1995-98 | 1.6 | 1998-09 | -2.9* | | | | | | | -2.9* | -2.9* |
| Black | 1992-09 | -0.9* | | | | | | | | | | | -0.9* | -0.9* |
| SEER 9 Observed Ind | cidence ^a , 1 | 975-2009 | | | | | | | | | | | | |
| All Races | 1975-85 | 1.1* | 1985-91 | -1.2* | 1991-95 | -3.2* | 1995-98 | 2.1 | 1998-09 | -2.9* | | | -2.9* | -2.9* |
| White | 1975-85 | 1.1* | 1985-91 | -1.4* | 1991-95 | -3.3* | 1995-98 | 2.2 | 1998-09 | -3.2* | | | -3.2* | -3.2* |
| Black | 1975-80 | 4.6 | 1980-03 | 0.0 | 2003-09 | -3.4* | | | | | | | -2.3* | -3.4* |
| SEER 13 Observed Incidence ^b , 1992-2009 | | | | | | | | | | | | | | |
| All Races | 1992-95 | -2.6* | 1995-98 | 1.6 | 1998-09 | -2.7* | | | | | | | -2.7* | -2.7* |
| White | 1992-95 | -2.9* | 1995-98 | 1.7 | 1998-09 | -3.0* | | | | | | | -3.0* | -3.0* |
| White NH ^{ef} | 1992-95 | -3.0* | 1995-98 | 1.7 | 1998-09 | -3.1* | | | | | | | -3.1* | -3.1* |
| Black | 1992-03 | -0.1 | 2003-09 | -2.8* | | | | | | | | | -1.9* | -2.8* |
| Black NH ^{ef} | 1992-03 | -0.1 | 2003-09 | -2.7* | | | | | | | | | -1.9* | -2.7* |
| API ^e | 1992-01 | -0.4 | 2001-09 | -2.6* | | | | | | | | | -2.3* | -2.6* |
| AI/AN ^{eg} | 1992-09 | -0.6 | | | | | | | | | | | -0.6 | -0.6 |
| Hispanic ^f | 1992-98 | 1.5 | 1998-09 | -1.4* | | | | | | | | | -1.4* | -1.4* |
| U.S. Cancer Mortal: | ity ^c , 1975- | 2009 | | | | | | | | | | | | |
| All Races | 1975-78 | 0.8 | 1978-84 | -0.4 | 1984-90 | -1.3* | 1990-02 | -2.0* | 2002-05 | -3.9* | 2005-09 | -2.5* | -2.9* | -2.5* |
| White | 1975-79 | 0.5 | 1979-87 | -0.8* | 1987-02 | -2.1* | 2002-05 | -4.2* | 2005-09 | -2.5* | | | -3.0* | -2.5* |
| Black | 1975-90 | 1.2* | 1990-02 | -0.7* | 2002-09 | -2.5* | | | | | | | -2.1* | -2.5* |
| U.S. Cancer Mortal: | ity ^c , 1992- | 2009 | | | | | | | | | | | | |
| All Races | 1992-02 | -2.0* | 2002-05 | -4.0* | 2005-09 | -2.4* | | | | | | | -2.9* | -2.4* |
| White | 1992-02 | -2.1* | 2002-05 | -4.1* | 2005-09 | -2.5* | | | | | | | -2.9* | -2.5* |
| White NH ^{ef} | 1992-97 | -2.4* | 1997-02 | -1.7* | 2002-05 | -4.0* | 2005-09 | -2.5* | | | | | -2.8* | -2.5* |
| Black | 1992-02 | -0.7* | 2002-09 | -2.5* | | | | | | | | | -2.1* | -2.5* |
| Black NH ^{ef} | 1992-09 | -1.2* | | | | | | | | | | | -1.2* | -1.2* |
| API ^e | 1992-09 | -2.1* | | | | | | | | | | | -2.1* | -2.1* |
| AI/AN ^{eg} | 1992-96 | 15.7 | 1996-09 | -1.5 | | | | | | | | | -1.5 | -1.5 |
| Hispanic ^f | 1992-98 | 1.0* | 1998-07 | -2.4* | 2007-09 | 0.3 | | | | | | | -1.8* | -1.1 |
| - | | | | | | | | | | | | | | |

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

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Table 6.3 Cancer of the Colon and Rectum (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints, Females by Race/Ethnicity

| | JP Trend 1 | | JP Trend 2 | | JP Trend 3 | | | and 1 | | and E | TD Tra | and 6 | AAPC ^d | | |
|---|---------------------------|------------------------|------------|----------------|------------|-------|-------------------------|----------------|--------------------------------|-------|--------------------------------|-------|-------------------|---------|--|
| | Years | APC | JP_II | APC | Years | APC | JP Trend 4 Years APC | | <u>JP Trend 5</u> Years APC | | <u>JP Trend 6</u> Years APC | | | 2005-09 | |
| SEER 9 Delay-Adius | | | | ALC | icuib | ALC | icarb | ALC | icarb | ALC | icuib | ALC | 2000 09 | 2003 05 | |
| All Races | 1975-85 | 0.3* | 1985-95 | -1.9* | 1995-98 | 1.9 | 1998-09 | -2.1* | | | | | -2.1* | -2.1* | |
| White | 1975-85 | 0.3 | 1985-95 | -1.9" -2.0* | 1995-98 | 2.1 | 1998-09 | -2.1" -2.3* | | | | | -2.3* | -2.3* | |
| Black | 1975-02 | 0.0 | 2002-09 | -2.0" | 1992-90 | 2.1 | 1990-09 | -2.5" | | | | | -2.3* | -2.2* | |
| | | | | -2.2 | | | | | | | | | -1.0 | -2.2 | |
| <u>SEER 13 Delay-Adju</u> | sted Incid | ence ^b , 19 | 992-2009 | | | | | | | | | | | | |
| All Races | 1992-95 | -1.8* | 1995-98 | 1.9 | 1998-09 | -2.1* | | | | | | | -2.1* | -2.1* | |
| White | 1992-95 | -1.7 | 1995-98 | 1.9 | 1998-09 | -2.3* | | | | | | | -2.3* | -2.3* | |
| Black | 1992-00 | 0.5 | 2000-09 | -1.6* | | | | | | | | | -1.6* | -1.6* | |
| SEER 9 Observed In | ncidence ^a , 1 | 1975-2009 |) | | | | | | | | | | | | |
| All Races | 1975-85 | 0.3* | 1985-95 | -1.9* | 1995-98 | 1.9 | 1998-09 | -2.2* | | | | | -2.2* | -2.2* | |
| White | 1975-85 | 0.3 | 1985-95 | -2.1* | 1995-98 | 2.2 | 1998-09 | -2.4* | | | | | -2.4* | -2.4* | |
| Black | 1975-02 | 0.0 | 2002-09 | -2.5* | | | | | | | | | -1.9* | -2.5* | |
| SEER 13 Observed Incidence ^b , 1992-2009 | | | | | | | | | | | | | | | |
| All Races | 1992-95 | -1.9* | 1995-98 | 1.9 | 1998-09 | -2.1* | | | | | | | -2.1* | -2.1* | |
| White | 1992-95 | -1.7 | 1995-98 | 1.9 | 1998-09 | -2.4* | | | | | | | -2.4* | -2.4* | |
| White NH ^{ef} | 1992-95 | -1.7 | 1995-98 | 2.1 | 1998-09 | -2.4* | | | | | | | -2.4* | -2.4* | |
| Black | 1992-00 | 0.5 | 2000-09 | -1.7* | | | | | | | | | -1.7* | -1.7* | |
| Black NH ^{ef} | 1992-00 | 0.4 | 2000-09 | -1.6* | | | | | | | | | -1.6* | -1.6* | |
| API ^e | 1992-09 | -0.8* | | | | | | | | | | | -0.8* | -0.8* | |
| AI/AN ^{eg} | 1992-09 | -0.1 | | | | | | | | | | | -0.1 | -0.1 | |
| Hispanic ^f | 1992-09 | -0.3 | | | | | | | | | | | -0.3 | -0.3 | |
| U.S. Cancer Mortal | .ity ^c , 1975- | -2009 | | | | | | | | | | | | | |
| All Races | 1975-84 | -1.0* | 1984-01 | -1.8* | 2001-09 | -3.1* | | | | | | | -2.9* | -3.1* | |
| White | 1975-84 | -1.2* | 1984-01 | -2.0* | 2001-09 | -3.1* | | | | | | | -3.0* | -3.1* | |
| Black | 1975-85 | 0.7* | 1985-01 | -0.7* | 2001-09 | -3.3* | | | | | | | -3.0* | -3.3* | |
| U.S. Cancer Mortal | itv ^c . 1992- | -2009 | | | | | | | | | | | | | |
| All Races | 1992-01 | -1.7* | 2001-09 | -3.1* | | | | | | | | | -3.0* | -3.1* | |
| White | 1992-00 | -1.8* | 2000-09 | -3.1* | | | | | | | | | -3.1* | -3.1* | |
| White NH ^{ef} | 1992-00 | -1.7* | 2000-09 | -2.8* | | | | | | | | | -2.8* | -2.8* | |
| Black | 1992-01 | -0.7* | 2001-09 | -3.2* | | | | | | | | | -3.0* | -3.2* | |
| Black NH ^{ef} | 1992-01 | -0.6* | 2001-09 | -3.1* | | | | | | | | | -2.8* | -3.1* | |
| API ^e | 1992-09 | -1.8* | | | | | | | | | | | -1.8* | -1.8* | |
| AI/AN ^{eg} | 1992-09 | 0.0 | | | | | | | | | | | 0.0 | 0.0 | |
| Hispanic ^f | 1992-01 | 0.1 | 2001-09 | -2.3* | | | | | | | | | -2.1* | -2.3* | |
| | | | | | | | | | | | | | | | |

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

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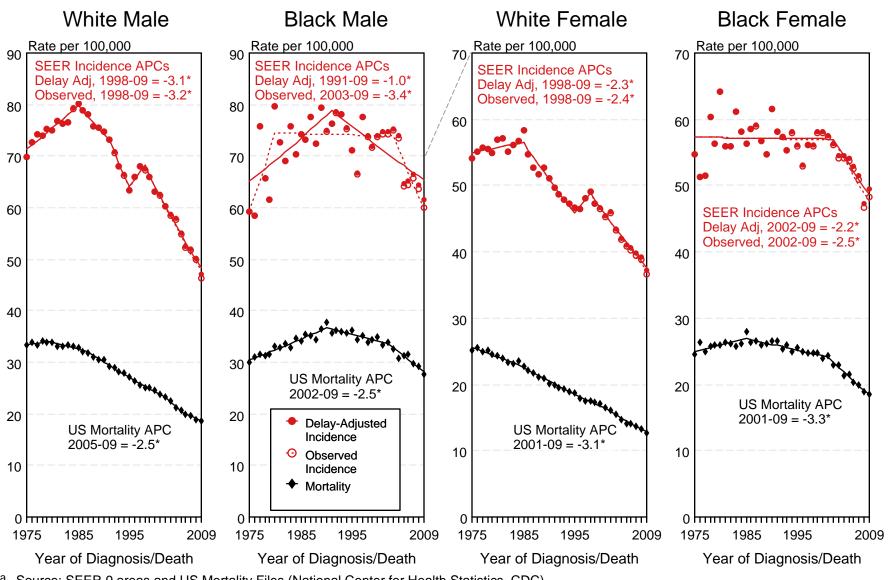
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SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates^a Cancer of the Colon and Rectum, by Race and Sex



^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 and SEER Delay Adjusted Incidence Rates^a SEER 9 Areas Compared to SEER 13 Areas Cancer of the Colon and Rectum, Male, by Race

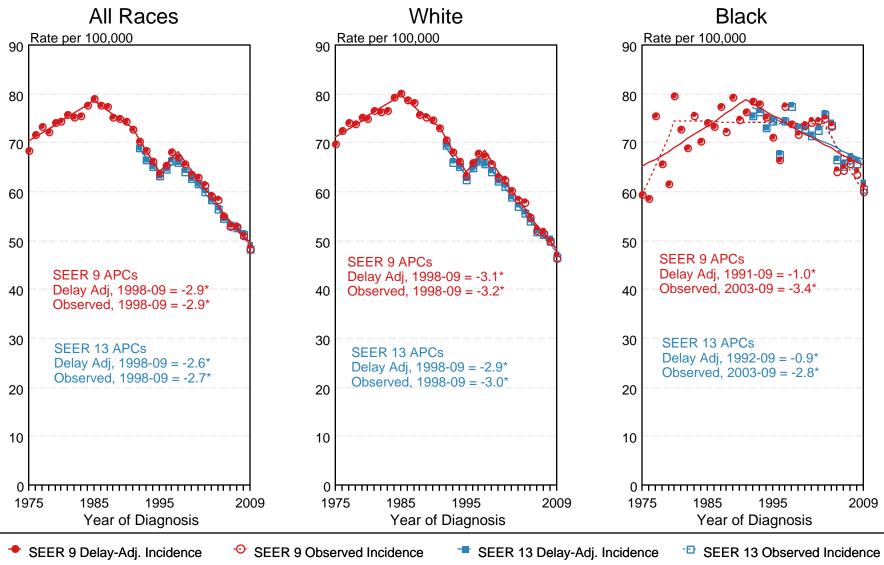


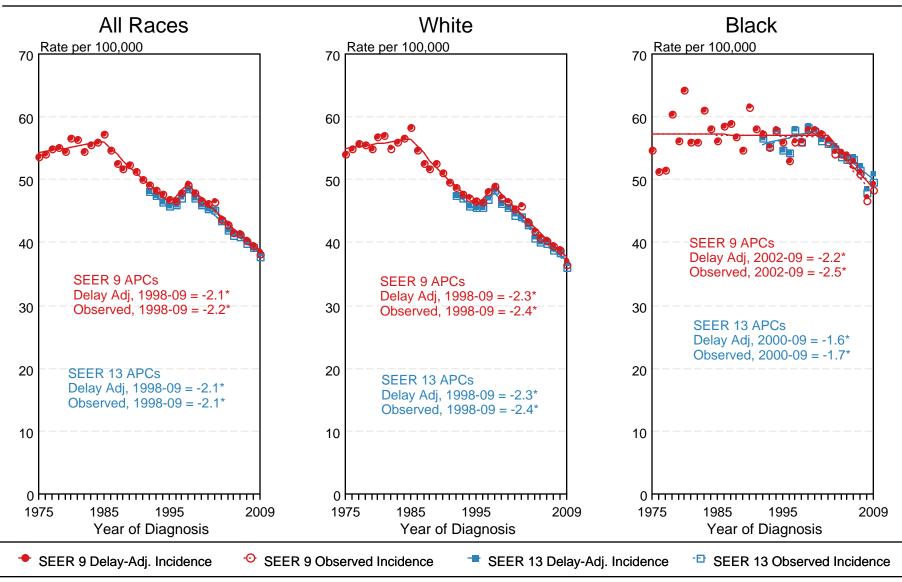
Figure 6.3

^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 Cancer of the Colon and Rectum, Female, by Race



^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).

Table 7.1 Cancer of the Corpus and Uterus, NOS (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints,

All Ages by Race/Ethnicity

| | JP Tre | end 1 | JP Tre | end 2 | JP Tre | nd 3 | JP Tre | end 4 | JP Tre | nd 5 | JP Tre | end 6 | AAI | PC ^d |
|---------------------------|--------------------------|------------------------|---------|-------|---------|------|---------|-------|---------|------|--------|-------|---------|-----------------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| SEER 9 Delay-Adjust | ted Incide | nce ^a , 197 | 5-2009 | | | | | | | | | | | |
| All Races | 1975-79 | -6.0* | 1979-88 | -1.7* | 1988-97 | 0.7* | 1997-06 | -0.4* | 2006-09 | 3.6* | | | 0.9* | 2.6* |
| White | 1975-79 | -6.1* | 1979-88 | -1.6* | 1988-97 | 0.7* | 1997-06 | -0.6* | 2006-09 | 2.8* | | | 0.5 | 1.9* |
| Black | 1975-93 | -0.5 | 1993-09 | 2.2* | | | | | | | | | 2.2* | 2.2* |
| <u>SEER 13 Delay-Adju</u> | sted Incid | ence ^b , 19 | 92-2009 | | | | | | | | | | | |
| All Races | 1992-07 | -0.1 | 2007-09 | 5.2* | | | | | | | | | 1.0* | 2.5* |
| White | 1992-07 | -0.2 | 2007-09 | 4.0 | | | | | | | | | 0.7 | 1.9 |
| Black | 1992-09 | 2.2* | | | | | | | | | | | 2.2* | 2.2* |
| SEER 9 Observed Ind | cidence ^a , 1 | L975-2009 | | | | | | | | | | | | |
| All Races | 1975-79 | -6.0* | 1979-88 | -1.7* | 1988-97 | 0.7* | 1997-06 | -0.5* | 2006-09 | 3.4* | | | 0.8* | 2.5* |
| White | 1975-79 | -6.1* | 1979-88 | -1.6* | 1988-98 | 0.6* | 1998-05 | -0.9* | 2005-09 | 1.9* | | | 0.3 | 1.9* |
| Black | 1975-93 | -0.5 | 1993-09 | 2.1* | | | | | | | | | 2.1* | 2.1* |
| SEER 13 Observed In | ncidence ^b , | 1992-200 | 19 | | | | | | | | | | | |
| All Races | 1992-06 | -0.2 | 2006-09 | 3.1* | | | | | | | | | 0.9* | 2.3* |
| White | 1992-07 | -0.3* | 2007-09 | 3.6 | | | | | | | | | 0.6 | 1.7 |
| White NH ^{ef} | 1992-98 | 0.7 | 1998-04 | -1.4* | 2004-09 | 1.6* | | | | | | | 0.3 | 1.6* |
| Black | 1992-09 | 2.1* | | | | | | | | | | | 2.1* | 2.1* |
| Black NH ^{ef} | 1992-09 | 2.1* | | | | | | | | | | | 2.1* | 2.1* |
| API ^e | 1992-09 | 1.7* | | | | | | | | | | | 1.7* | 1.7* |
| AI/AN ^{eg} | 1992-09 | 3.4* | | | | | | | | | | | 3.4* | 3.4* |
| Hispanic ^f | 1992-09 | 1.4* | | | | | | | | | | | 1.4* | 1.4* |
| U.S. Cancer Mortal: | ity ^c , 1975- | -2009 | | | | | | | | | | | | |
| All Races | 1975-89 | -1.6* | 1989-97 | -0.7* | 1997-09 | 0.3* | | | | | | | 0.3* | 0.3* |
| White | 1975-92 | -1.6* | 1992-09 | 0.0 | | | | | | | | | 0.0 | 0.0 |
| Black | 1975-97 | -0.8* | 1997-09 | 0.7* | | | | | | | | | 0.7* | 0.7* |
| U.S. Cancer Mortal: | ity ^c , 1992- | -2009 | | | | | | | | | | | | |
| All Races | 1992-97 | -0.6* | 1997-09 | 0.3* | | | | | | | | | 0.3* | 0.3* |
| White | 1992-09 | 0.0 | | | | | | | | | | | 0.0 | 0.0 |
| White NH ^{ef} | 1992-09 | -0.1 | | | | | | | | | | | -0.1 | -0.1 |
| Black | 1992-09 | 0.4* | | | | | | | | | | | 0.4* | 0.4* |
| Black NH ^{ef} | 1992-09 | 0.2 | | | | | | | | | | | 0.2 | 0.2 |
| API ^e | 1992-09 | 1.5* | | | | | | | | | | | 1.5* | 1.5* |
| AI/AN ^{eg} | 1992-09 | -0.9 | | | | | | | | | | | -0.9 | -0.9 |
| Hispanic ^f | 1992-09 | 0.3 | | | | | | | | | | | 0.3 | 0.3 |

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

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Table 7.2 Cancer of the Corpus and Uterus, NOS (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints, Ages <50 by Race/Ethnicity

| | JP Trei | nd 1 | JP Tre | end 2 | JP Tre | end 3 | JP Tre | end 4 | JP Tre | end 5 | JP Tr | end 6 | AAF | PC ^d |
|--|----------------------------|------------------------|----------|-------|---------|-------|--------|-------|--------|-------|-------|-------|-----------|-----------------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| SEER 9 Delay-Adjus | sted Inciden | | 5-2009 | | | | | | | | | | | |
| All Races | 1975-88 | -2.5* | 1988-09 | 1.3* | | | | | | | | | 1.3* | 1.3* |
| White | 1975-88 | -2.5* | 1988-09 | 0.9* | | | | | | | | | 0.9* | 0.9* |
| Black | 1975-85 | -5.2* | 1985-09 | 2.5* | | | | | | | | | 2.5* | 2.5* |
| <u>SEER 13 Delay-Adju</u> | usted Incide | ence ^b , 19 | 92-2009 | | | | | | | | | | | |
| All Races | 1992-09 | 1.4* | | | | | | | | | | | 1.4* | 1.4* |
| White | 1992-09 | 1.3* | | | | | | | | | | | 1.3* | 1.3* |
| Black | 1992-09 | 2.1* | | | | | | | | | | | 2.1* | 2.1* |
| <u>SEER 9 Observed In</u> | ncidence ^a , 19 | 975-2009 | <u>)</u> | | | | | | | | | | | |
| All Races | 1975-88 | -2.5* | 1988-09 | 1.2* | | | | | | | | | 1.2* | 1.2* |
| White | 1975-88 | -2.5* | 1988-09 | 0.9* | | | | | | | | | 0.9* | 0.9* |
| Black | 1975-85 | -5.1* | 1985-09 | 2.5* | | | | | | | | | 2.5* | 2.5* |
| SEER 13 Observed I | Incidence ^b , 1 | 1992-200 | 19 | | | | | | | | | | | |
| All Races | 1992-09 | 1.4* | | | | | | | | | | | 1.4* | 1.4* |
| White | 1992-09 | 1.2* | | | | | | | | | | | 1.2* | 1.2* |
| White NH ^{ef} | 1992-09 | 0.9* | | | | | | | | | | | 0.9* | 0.9* |
| Black | 1992-09 | 1.9* | | | | | | | | | | | 1.9* | 1.9* |
| Black NH ^{ef} | 1992-09 | 1.9* | | | | | | | | | | | 1.9* | 1.9* |
| API ^e | 1992-09 | 1.1* | | | | | | | | | | | 1.1* | 1.1* |
| AI/AN ^{eg} | 1992-09 | 2.8 | | | | | | | | | | | 2.8 | 2.8 |
| $Hispanic^{f}$ | 1992-09 | 2.2* | | | | | | | | | | | 2.2* | 2.2* |
| U.S. Cancer Morta | lity ^c , 1975-2 | 2009 | | | | | | | | | | | | |
| All Races | 1975-84 | -4.6* | 1984-94 | -1.5* | 1994-09 | 1.6* | | | | | | | 1.6* | 1.6* |
| White | 1975-88 | -3.9* | 1988-09 | 1.1* | | | | | | | | | 1.1* | 1.1* |
| Black | 1975-95 | -4.4* | 1995-09 | 2.5* | | | | | | | | | 2.5* | 2.5* |
| U.S. Cancer Morta | lity ^c , 1992-: | 2009 | | | | | | | | | | | | |
| All Races | 1992-09 | 1.5* | | | | | | | | | | | 1.5* | 1.5* |
| White | 1992-09 | 1.5* | | | | | | | | | | | 1.5* | 1.5* |
| White NH ^{ef} | 1992-09 | 1.5* | | | | | | | | | | | 1.5* | 1.5* |
| Black | 1992-09 | 1.7* | | | | | | | | | | | 1.7* | 1.7* |
| Black NH ^{ef} | 1992-09 | 1.7* | | | | | | | | | | | 1.7* | 1.7* |
| API ^e | 1992-07 | 2.0 | 2007-09 | -27.3 | | | | | | | | | -5.4 | -13.9 |
| AI/AN ^{eg} Hispanic ^f | - | - -6.7* | 1998-09 | 1 1+ | | | | | | | | | - 4.1* | - |
| птараще | 1992-98 | -0./~ | T330-03 | 4.1* | | | | | | | | | 4.1^ | 4.1* |

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

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Table 7.3 Cancer of the Corpus and Uterus, NOS (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints,

Ages 50+ by Race/Ethnicity

| | JP Tre | | - | end 2 | JP Tre | | JP Tre | | JP Tre | | JP Tr | | AAP | |
|---------------------------|--------------------------|------------------------|----------|-------|---------|------|---------|-------|---------|------|-------|-----|---------|---------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| <u>SEER 9 Delay-Adjus</u> | | | | | | | | | | | | | | |
| All Races | 1975-79 | -6.2* | 1979-88 | -1.7* | 1988-97 | 0.6* | 1997-07 | -0.6* | 2007-09 | 5.7* | | | 0.8 | 2.5* |
| White | 1975-79 | -6.2* | 1979-88 | -1.7* | 1988-97 | 0.7* | 1997-07 | -0.7* | 2007-09 | 4.5 | | | 0.4 | 1.8 |
| Black | 1975-99 | 0.1 | 1999-09 | 3.2* | | | | | | | | | 3.2* | 3.2* |
| <u>SEER 13 Delay-Adju</u> | sted Incide | ence ^b , 19 | 92-2009 | | | | | | | | | | | |
| All Races | 1992-97 | 0.9 | 1997-03 | -1.3 | 2003-07 | 0.6 | 2007-09 | 4.5 | | | | | 0.8 | 2.5 |
| White | 1992-97 | 0.9 | 1997-03 | -1.4* | 2003-07 | 0.3 | 2007-09 | 3.3 | | | | | 0.4 | 1.8 |
| Black | 1992-06 | 1.4* | 2006-09 | 8.2* | | | | | | | | | 3.6* | 6.4* |
| <u>SEER 9 Observed In</u> | cidence ^a , 1 | <u>1975-2009</u> | <u>)</u> | | | | | | | | | | | |
| All Races | 1975-79 | -6.2* | 1979-88 | -1.7* | 1988-97 | 0.6* | 1997-07 | -0.6* | 2007-09 | 5.4* | | | 0.7 | 2.4* |
| White | 1975-79 | -6.2* | 1979-88 | -1.7* | 1988-97 | 0.7* | 1997-07 | -0.8* | 2007-09 | 4.1 | | | 0.3 | 1.6 |
| Black | 1975-99 | 0.1 | 1999-09 | 3.0* | | | | | | | | | 3.0* | 3.0* |
| SEER 13 Observed I | ncidence ^b , | 1992-200 |)9 | | | | | | | | | | | |
| All Races | 1992-97 | 0.8 | 1997-05 | -1.0* | 2005-09 | 2.6* | | | | | | | 0.6 | 2.6* |
| White | 1992-97 | 0.9 | 1997-04 | -1.4* | 2004-09 | 1.3* | | | | | | | 0.1 | 1.3* |
| White NH ^{ef} | 1992-97 | 1.1 | 1997-04 | -1.4* | 2004-09 | 1.3 | | | | | | | 0.1 | 1.3 |
| Black | 1992-09 | 2.1* | | | | | | | | | | | 2.1* | 2.1* |
| Black NH ^{ef} | 1992-09 | 2.1* | | | | | | | | | | | 2.1* | 2.1* |
| API ^e | 1992-06 | 1.3* | 2006-09 | 6.5* | | | | | | | | | 3.0* | 5.2* |
| AI/AN ^{eg} | 1992-09 | 3.7* | | | | | | | | | | | 3.7* | 3.7* |
| Hispanic ^f | 1992-09 | 1.1* | | | | | | | | | | | 1.1* | 1.1* |
| U.S. Cancer Mortal | ity ^c , 1975- | -2009 | | | | | | | | | | | | |
| All Races | 1975-89 | -1.5* | 1989-97 | -0.7* | 1997-09 | 0.2 | | | | | | | 0.2 | 0.2 |
| White | 1975-92 | -1.5* | 1992-09 | -0.1 | | | | | | | | | -0.1 | -0.1 |
| Black | 1975-97 | -0.6* | 1997-09 | 0.5* | | | | | | | | | 0.5* | 0.5* |
| U.S. Cancer Mortal | ity ^c , 1992- | -2009 | | | | | | | | | | | | |
| All Races | 1992-97 | -0.7* | 1997-09 | 0.2* | | | | | | | | | 0.2* | 0.2* |
| White | 1992-09 | -0.1* | | | | | | | | | | | -0.1* | -0.1* |
| White NH ^{ef} | 1992-09 | -0.2* | | | | | | | | | | | -0.2* | -0.2* |
| Black | 1992-09 | 0.3* | | | | | | | | | | | 0.3* | 0.3* |
| Black NH ^{ef} | 1992-09 | 0.1 | | | | | | | | | | | 0.1 | 0.1 |
| API ^e | 1992-09 | 1.7* | | | | | | | | | | | 1.7* | 1.7* |
| AI/AN ^{eg} | 1992-09 | -0.9 | | | | | | | | | | | -0.9 | -0.9 |
| Hispanic ^f | 1992-09 | 0.2 | | | | | | | | | | | 0.2 | 0.2 |
| | 07 | | | | | | | | | | | | | |

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, SC, 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.

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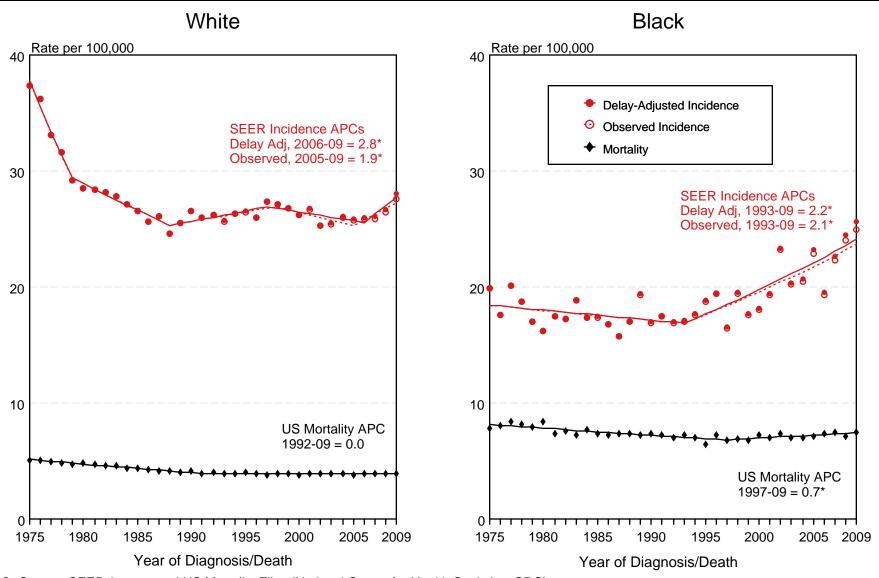
С

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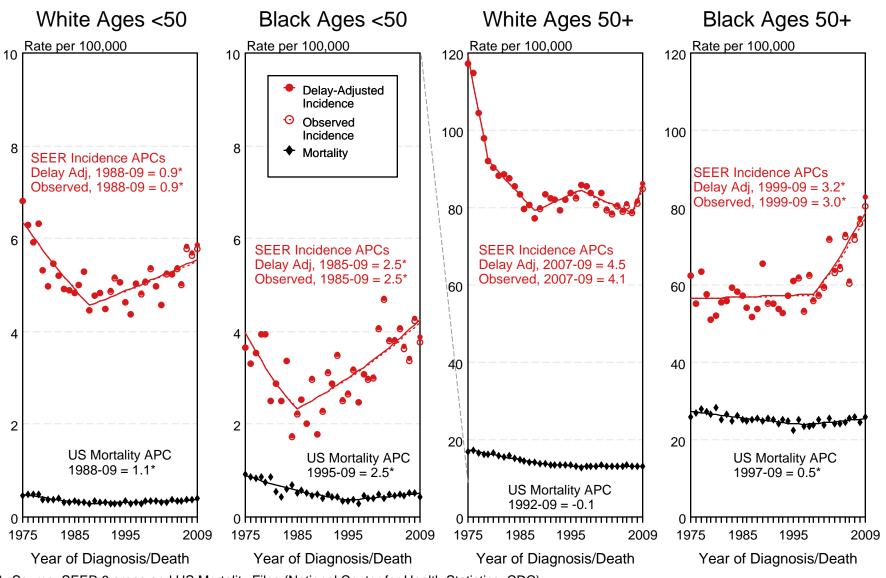
SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates^a Cancer of the Corpus and Uterus, NOS, by Race



^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. *

National Cancer Institute

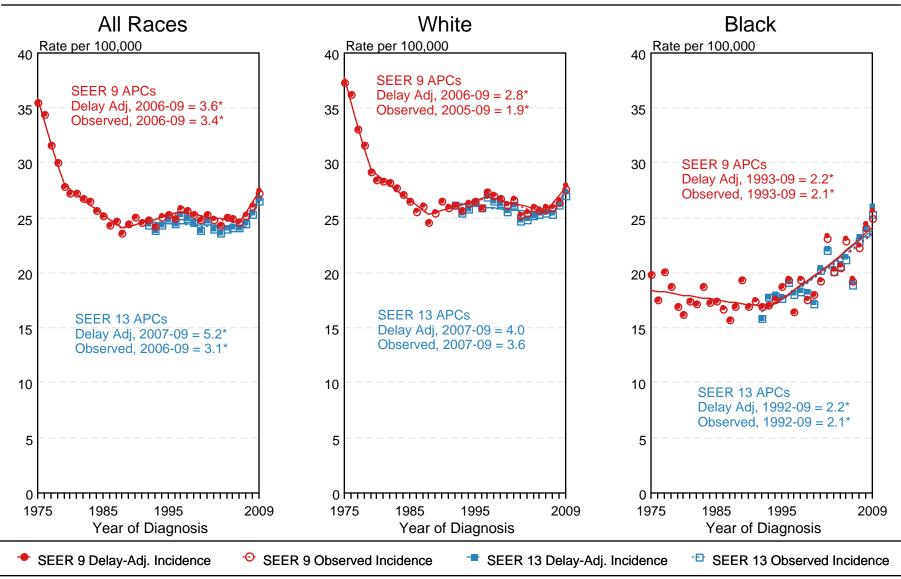
SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates^a Cancer of the Corpus and Uterus, NOS, by Age and Race



^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 and SEER Delay Adjusted Incidence Rates^a SEER 9 Areas Compared to SEER 13 Areas Cancer of the Corpus and Uterus, NOS, by Race



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).

Table 8.1 Cancer of the Esophagus (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints, Both Sexes by Race/Ethnicity

| Years APC Years APC <th< th=""><th></th><th>JP Tre</th><th>nd 1</th><th>JP Tre</th><th>end 2</th><th>JP Tr</th><th>end 3</th><th>JP Tre</th><th>end 4</th><th>JP Tre</th><th>end 5</th><th>JP Tr</th><th>end 6</th><th>AAF</th><th>Cq</th></th<> | | JP Tre | nd 1 | JP Tre | end 2 | JP Tr | end 3 | JP Tre | end 4 | JP Tre | end 5 | JP Tr | end 6 | AAF | Cq |
|--|--------------------------|---------------------------|------------------------|---------|-------|---------|-------|---------|-------|--------|-------|-------|-------|---------|---------|
| All Races1975-09 0.4^* <td></td> <td>Years</td> <td>APC</td> <td>Years</td> <td>APC</td> <td>Years</td> <td>APC</td> <td>Years</td> <td>APC</td> <td>Years</td> <td>APC</td> <td>Years</td> <td>APC</td> <td>2000-09</td> <td>2005-09</td> | | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| All Races1975-09 0.4^* <td>SEER 9 Delay-Adju</td> <td>sted Incider</td> <td>nce^a, 197</td> <td>5-2009</td> <td></td> | SEER 9 Delay-Adju | sted Incider | nce ^a , 197 | 5-2009 | | | | | | | | | | | |
| Black 1975-66 1.1 1966-09 -4.4* -4.4* -4.4* -4.4* SEER 13 Delay-Adjusted Incidence ³ , 1992-00 0.8 0.8 0.8* 0.8* Black 1992-09 0.4 0.4 0.4* 0.4* Mile 1992-09 0.4* 0.4 0.4* 0.4* Mile 1975-09 0.4* 0.04* 0.4* 0.4* Mile 1975-09 0.4* 0.04* 0.4* 0.4* Mile 1975-09 0.4* 0.04* 0.4* 0.4* Black 1975-09 0.4* 0.0 0.7* 0.7* Mile 1975-08 1.1 1965-09 -4.5* 0.7* Mile 1992-09 -0.5 0.7* 0.7* 0.7* Mile 1992-09 -1.4* 1.1* 1.1* 1.1* Black 1992-09 -1.4* 0.0 0.7* 0.7* Mile 1992-09 -1.4* 0.0 0.3 0.3 0.3 Black 1992-09 0.7* 0.00-0 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.4*</td><td>0.4*</td></t<> | | | | | | | | | | | | | | 0.4* | 0.4* |
| $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$ | White | 1975-04 | 1.4* | 2004-09 | -0.5 | | | | | | | | | 0.4 | -0.5 |
| All Races 1992-09 -0.1 -0.1 -0.1 White 1992-09 -4.5^* -4.5^* -4.5^* Black 1992-09 -4.5^* -4.5^* -4.5^* SEER 9 Observed Incidence*, 1975-2009 $.0.4^*$ 0.4^* 0.4^* Mhite 1975-09 0.4^* 0.4^* Mhite 1975-06 1.4^* 200-09 -0.6^* Black 1975-06 1.4^* 200-09 -0.6^* All Races 1992-09 -0.2^* -0.2^* -0.2^* All Races 1992-09 -0.7^* 0.7^* 0.7^* Mhite NH ^{ef} 1992-09 1.1^* 1.1^* 1.1^* Black MH ^{ef} 1992-09 -4.5^* -4.5^* -4.5^* SEER 19 Observed Intry, 1992-09 -1.5^* -1.5^* -1.5^* -1.5^* Black MH ^{ef} 1992-09 -1.5^* -1.5^* -1.5^* -1.5^* SEER 19 Observed Intry, 1992-09 -1.5^* -1.5^* -1.5^* -1.5^* U.S. Cancer Mortality, 1992-09 -1 | Black | 1975-86 | 1.1 | 1986-09 | -4.4* | | | | | | | | | -4.4* | -4.4* |
| All Races 1992-09 -0.1 -0.1 -0.1 White 1992-09 -4.5^* -4.5^* -4.5^* Black 1992-09 -4.5^* -4.5^* -4.5^* SEER 9 Observed Incidence*, 1975-2009 $.0.4^*$ 0.4^* 0.4^* Mhite 1975-09 0.4^* 0.4^* Mhite 1975-06 1.4^* 200-09 -0.6^* Black 1975-06 1.4^* 200-09 -0.6^* All Races 1992-09 -0.2^* -0.2^* -0.2^* All Races 1992-09 -0.7^* 0.7^* 0.7^* Mhite NH ^{ef} 1992-09 1.1^* 1.1^* 1.1^* Black MH ^{ef} 1992-09 -4.5^* -4.5^* -4.5^* SEER 19 Observed Intry, 1992-09 -1.5^* -1.5^* -1.5^* -1.5^* Black MH ^{ef} 1992-09 -1.5^* -1.5^* -1.5^* -1.5^* SEER 19 Observed Intry, 1992-09 -1.5^* -1.5^* -1.5^* -1.5^* U.S. Cancer Mortality, 1992-09 -1 | SEER 13 Delay-Adj | usted Incide | ence ^b , 19 | 92-2009 | | | | | | | | | | | |
| Black 1992-09 -4.5* -4.5* -4.5* -4.5* SEER 9 Observed Incidence*, 1975-2009 0.4* 0.04* 0.4* 0.4* Mit c 1975-04 1.4* 2004-09 -0.6 0.3 -0.6 Black 1975-06 1.1 1986-09 -4.5* -4.5* -4.5* -4.5* SEER 10 Observed Incidence*, 1992-209 .11 1986-09 -4.5* -0.2 -0.2 -0.2 -0.2 -0.2 -0.2 -0.2 -0.2 -0.2 -0.2 -0.2 0.7* 1.1* | | | | | | | | | | | | | | -0.1 | -0.1 |
| SEER 9 Observed Incidence*, 1975-2009All Races1975-041.4*White1975-041.4*1975-041.11986-09-4.5*SEER 13 Observed Incidence*, 1992-2009-4.5*-4.5*All Races1992-09-0.2 -0.2 All Races1992-090.7* -0.2 White NH**1992-090.7*White NH**1992-09-4.5*Black1992-09-4.5*Black1992-09-4.5*Black1992-09-4.6*API*1992-09-1.4*AI/AM**91992-09-1.4*AI/AM**91992-09-1.5*U.S. Cancer Mortality*1975-2009All Races1975-00All Races1992-09All Races1992-09I.s.1982-09All Races1992-09All Races1992-00All Races1992-00All Races1992-00All Races1992-00All Races1992-00All Races1992-00All Races1992-00All Races1992-00 <tr< td=""><td>White</td><td>1992-09</td><td>0.8*</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.8*</td><td>0.8*</td></tr<> | White | 1992-09 | 0.8* | | | | | | | | | | | 0.8* | 0.8* |
| All Races1975-09 $0.4*$ $0.4*$ $0.4*$ White1975-04 $1.4*$ $2004-09$ -0.6 0.3 -0.6 Black1975-06 1.1 $1986-09$ $-4.5*$ $-4.5*$ $-4.5*$ SEER 13 Observed Incidence ^b , 1992-2009 -0.2 $0.7*$ $0.7*$ $0.7*$ $0.7*$ White $1992-09$ $0.7*$ $0.7*$ $0.7*$ $0.7*$ $0.7*$ White Nt ^{af} $1992-09$ $0.1*$ $-4.5*$ $-4.5*$ $-4.5*$ Black $1992-09$ $-4.5*$ $-4.5*$ $-4.5*$ $-4.5*$ Black Nt ^{aff} $1992-09$ $-1.4*$ $-4.6*$ $-4.6*$ $-4.6*$ AI/AN ^{og} $1992-09$ 0.3 0.3 0.3 0.3 0.3 Hispanic ^f $1992-09$ $0.7*$ $2000-06$ $0.7*$ $2006-09$ $-1.3*$ U.S. Cancer Mortality ^a , 1975-2009 $1.7*$ $2000-06$ $0.7*$ $2006-09$ $-1.3*$ All Races $1975-00$ $0.7*$ $2000-06$ $0.7*$ $2006-09$ $-1.3*$ Black $1975-83$ $0.4*$ $1993-09$ $-4.5*$ $-4.5*$ U.S. Cancer Mortality ^c , 1992-2009 $1.7*$ $2000-09$ $-1.3*$ 0.0 $-0.6*$ All Races $1992-09$ $0.7*$ $2005-09$ $-1.3*$ 0.0 $-0.6*$ $-1.6*$ White $1992-00$ $1.7*$ $2000-09$ $-1.3*$ 0.0 $-0.6*$ $-1.6*$ White $1992-09$ $0.7*$ $2006-09$ $-1.3*$ 0.0 $-0.6*$ < | Black | 1992-09 | -4.5* | | | | | | | | | | | -4.5* | -4.5* |
| White $1975-04$ $1.4*$ $2004-09$ -0.6 0.3 -0.6 Black $1975-86$ 1.1 $1986-09$ $-4.5*$ $-4.5*$ $-4.5*$ SEER 13 Observed Incidence ^b , $1992-09$ -0.2 | <u>SEER 9 Observed I</u> | ncidence ^a , 1 | 975-2009 | - | | | | | | | | | | | |
| Black1975-861.11986-09-4.5*-4.5*-4.5*SEER 13 Observed Incidence ^b , 1992-091992-09-0.2 -0.2 -0.2 -0.2 -0.2 All Races1992-09 -0.2 -0.2 $-0.7*$ $-0.7*$ $0.7*$ $0.7*$ White NH ^{ef} 1992-09 $-1.5*$ $-1.6*$ $-4.5*$ $-4.5*$ Black NH ^{ef} 1992-09 $-4.5*$ $-4.6*$ $-4.6*$ AI'AN ^{eg} 1992-09 $-4.6*$ $-4.6*$ $-4.6*$ AI'AN ^{eg} 1992-09 $-1.4*$ $-1.4*$ $-1.4*$ Black NH ^{ef} 1992-09 $-1.5*$ $-1.5*$ $-1.5*$ U.S. Cancer Mortality ^c , 1975-2009All Races1975-00 $0.7*$ 2000-06 $0.7*$ 2006-09Black1975-83 $0.4*$ 1983-00 $1.7*$ 2000-06 $0.7*$ 2006-09U.S. Cancer Mortality ^c , 1972-2009 $1.1*$ 1983-09 $-4.5*$ $-0.6*$ $-1.3*$ Black1975-82 $1.1*$ 1982-93 $-1.6*$ $-0.5*$ $-1.6*$ White1992-00 $1.7*$ 2000-06 $0.7*$ 2006-09 $-1.3*$ $-0.5*$ $-1.6*$ Mhite1992-09 $1.7*$ 2000-06 $0.7*$ 2006-09 $-1.3*$ $-0.5*$ $-1.6*$ Mhite1992-09 $1.7*$ 2000-06 $0.7*$ 2006-09 $-1.3*$ 0.0 $-0.5*$ Black1992-09 $1.7*$ 2000-06 $0.7*$ 2006-09 $-1.3*$ 0.0 $-0.5*$ Blac | | | | | | | | | | | | | | | |
| SEER 13 Observed Incidence ^b , 1992-2009All Races1992-09 -0.2 -0.2 White1992-09 $0.7*$ $0.7*$ White NH ^{ef} 1992-09 $1.1*$ $1.1*$ Black1992-09 $-4.6*$ $-4.6*$ APT ⁶ 1992-09 $-4.6*$ $-1.4*$ Alt Races1992-09 $-1.6*$ $-1.4*$ Mite1975-00 $0.7*$ $2000-06$ U.S. Cancer Mortality ^c , 1975-2009 $-1.5*$ $-0.6*$ White1975-82 $1.1*$ $1982-09$ All Races1975-00 $0.7*$ $2000-06$ Mite1975-82 $1.1*$ $1982-93$ Hack1975-82 $1.1*$ $1982-93$ Hack1975-92 $-1.6*$ White1992-09 $-1.6*$ White1992-09 $-1.6*$ White1992-09 $-1.6*$ White1992-09 $-1.6*$ White1992-09 $-1.4*$ Black1992-09 $-1.4*$ Black1992-09 $-4.2*$ All Races1992-09 $-1.6*$ White1992-09 $-4.4*$ All Races1992-09 $-1.6*$ White1992-09 $-4.4*$ Black1992-09 $-4.2*$ All Races1992-09 $-4.2*$ White <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<> | | | | | | | | | | | | | | | |
| All Races $1992-09 - 0.2$ White NHef -0.2 $1992-09$ -0.2 $0.7*$ $0.7*$ $0.7*$ $0.7*$ $0.7*$ $0.7*$ 0.3 <td>Black</td> <td>1975-86</td> <td>1.1</td> <td>1986-09</td> <td>-4.5*</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-4.5*</td> <td>-4.5*</td> | Black | 1975-86 | 1.1 | 1986-09 | -4.5* | | | | | | | | | -4.5* | -4.5* |
| White 1992-09 0.7* 0.7* 0.7* White NH ^{ef} 1992-09 1.1* 1.1* Black 1992-09 -4.5* -4.5* Black NH ^{ef} 1992-09 -4.6* -4.6* AP1° 1992-09 -1.4* -1.4* AI/AN ^{eg} 1992-09 -1.5* -1.5* U.S. Cancer Mortality ^c , 1975-2009 -1.5* -1.5* All Races 1975-00 0.7* 2000-06 0.0* 206-09 -1.3* Black 1975-83 0.4* 1983-00 1.7* 2000-06 0.7* 206-09 -1.3* Black 1975-82 1.1* 1982-09 -1.6* -4.5* U.S. Cancer Mortality ^c , 1975-2009 -1.6* -0.6* -1.3* Black 1975-82 1.1* 1983-09 -4.5* -4.5* U.S. Cancer Mortality ^c , 1992-2009 -1.6* -4.5* -4.5* -4.5* Mhite 1992-00 2.0* 2000-06 0.7* 2006-09 -1.3* -0.5* -1.6* White 1992-00 1.7* | SEER 13 Observed | Incidence ^b , | 1992-200 | 19 | | | | | | | | | | | |
| White NHef1992-091.1*1.1*1.1*Black1992-09-4.6*-4.6*-4.6*API*1992-09-1.4*-1.4*-1.4*AI/AN*91992-090.30.30.3Hispanict1992-090.5*0.30.3U.S. Cancer Mortality, 1975-20090.7*2000-060.02006-09-1.8*All Races1975-000.7*2000-060.7*2006-09-1.3*Black1975-830.4*1982-09-1.6*-0.6*-1.3*White1975-821.1*1982-09-1.6*0.0-0.8*Black1975-000.4*2005-09-1.3*-0.6*-1.6*White1992-001.7*2000-060.7*2006-09-1.3*Black1992-001.7*2000-060.7*2006-09-1.3*White1992-001.7*2000-060.7*2006-09-1.3*Mite1992-001.7*2000-060.7*2006-09-1.3*Mite1992-001.7*2000-060.7*2006-09-1.3*White NHef1992-001.7*2000-060.9*2006-09-1.4*Black1992-09-4.4*-4.4*0.0-0.8*White NHef1992-09-4.4*-4.4*-4.4*Black1992-09-4.2*-4.2*-4.2*API*1992-09-4.2*-4.2*-4.2*-4.2*API*1992-09-1.8* <t< td=""><td>All Races</td><td>1992-09</td><td>-0.2</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-0.2</td><td>-0.2</td></t<> | All Races | 1992-09 | -0.2 | | | | | | | | | | | -0.2 | -0.2 |
| Black $1992-09 - 4.5^*$ Black NH ^{ef} -4.5^* $1992-09 - 4.6^*$ API* -4.6^* -1.3^* U.S. Cancer Mortality ^c , 1975-2009 All Races 0.0 1975-80 1.7^* $2000-06$ 0.7^* $2000-06$ 1.7^* $2000-06$ 0.7^* $2006-09$ -1.3^* -0.6^* -1.3^* -0.6^* -1.3^* U.S. Cancer Mortality ^c , 1992-2009 All Races $1.982-93$ -1.6^* $1992-09$ -1.6^* -0.5^* -1.6^* $1992-00$ 1.7^* $2000-06$ 0.7^* $2006-09$ -1.3^* -0.5^* -1.6^* 0.0 -0.8 -4.5^* U.S. Cancer Mortality ^c , 1992-2009 All Races $1.992-09$ -1.6^* 0.0^* -1.6^* 0.0^* <td></td> <td>1992-09</td> <td>0.7*</td> <td></td> <td>0.7*</td> <td>0.7*</td> | | 1992-09 | 0.7* | | | | | | | | | | | 0.7* | 0.7* |
| Black NH^{ef} 1992-09 1992-09-4.6* -4.6*API ^e 1992-09 1992-09-1.4* | | 1992-09 | 1.1* | | | | | | | | | | | 1.1* | 1.1* |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | Black | 1992-09 | -4.5* | | | | | | | | | | | -4.5* | -4.5* |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | | 1992-09 | -4.6* | | | | | | | | | | | -4.6* | -4.6* |
| Hispanicf $1992-09 - 1.5^*$ $-1.5^* - 1.5^*$ U.S. Cancer Mortality ^c , $1975-2009$ -1.6^* -1.6^* All Races $1975-00 - 0.7^*$ $2000-06 - 0.0$ $2006-09 - 1.8^*$ White $1975-83 - 0.4^*$ $1983-00 - 1.7^*$ $2000-06 - 0.7^*$ $2006-09 - 1.3^*$ Black $1975-82 - 1.1^*$ $1982-93 - 1.6^*$ $1993-09 - 4.5^*$ $-0.5^* - 1.6^*$ U.S. Cancer Mortality ^c , $1992-2009$ -1.6^* $-0.5^* - 1.6^*$ $-0.5^* - 1.6^*$ All Races $1992-05 - 0.4^*$ $2005-09 - 1.6^*$ $-0.5^* - 1.6^*$ White $1992-00 - 1.7^*$ $2000-06 - 0.7^*$ $2006-09 - 1.3^*$ $0.0 - 0.8^*$ White NH ^{ef} $1992-00 - 2.0^*$ $2000-06 - 0.7^*$ $2006-09 - 1.3^*$ $0.2 - 0.8^*$ Black $1992-09 - 4.4^*$ $-4.4^* - 4.4^*$ $-4.2^* - 4.2^*$ Black NH ^{ef} $1992-09 - 4.2^*$ $-1.9^* - 1.9^*$ $-1.9^* - 1.9^*$ AI/AN ^{eg} $1992-09 - 1.8^*$ 1.8^* 1.8^* 1.8^* | | 1992-09 | | | | | | | | | | | | | |
| U.S. Cancer Mortality ^c , 1975-2009 All Races 0.6^{*} 0.6^{*} -1.3^{*} All Races1975-83 0.4^{*} 1983-00 1.7^{*} 2000-06 0.7^{*} 2006-09 -1.3^{*} 0.0° -0.6^{*} -1.3^{*} Black1975-82 1.1^{*} 1982-93 -1.6^{*} 1993-09 -4.5^{*} -4.5^{*} -4.5^{*} -4.5^{*} -4.5^{*} -4.5^{*} U.S. Cancer Mortality ^c , 1992-2009 All Races1992-05 0.4^{*} 2005-09 -1.6^{*} 0.0° -0.6^{*} -1.6^{*} White1992-00 1.7^{*} 2000-06 0.7^{*} 2006-09 -1.3^{*} 0.0° -0.5^{*} -1.6^{*} White1992-00 1.7^{*} 2000-06 0.7^{*} 2006-09 -1.3^{*} 0.0° -0.8^{*} White NH ^{ef} 1992-00 2.0^{*} 2000-06 0.9^{*} $2006-09$ -1.4^{*} -4.4^{*} -4.4^{*} Black1992-09 -4.4^{*} -4.4^{*} -4.4^{*} -4.4^{*} -4.4^{*} -4.2^{*} Black NH ^{ef} 1992-09 -4.2^{*} -4.2^{*} -4.2^{*} -4.2^{*} -4.2^{*} AI/AN ^{eg} 1992-09 1.8^{*} 1.8^{*} 1.8^{*} 1.8^{*} 1.8^{*} | AI/AN ^{eg} | 1992-09 | 0.3 | | | | | | | | | | | 0.3 | 0.3 |
| All Races $1975-00$ $0.7*$ $2000-06$ 0.0 $2006-09$ $-1.8*$ $-0.6*$ $-1.3*$ White $1975-83$ $0.4*$ $1983-00$ $1.7*$ $2000-06$ $0.7*$ $2006-09$ $-1.3*$ 0.0 $-0.6*$ $-1.3*$ Black $1975-82$ $1.1*$ $1982-93$ $-1.6*$ $1993-09$ $-4.5*$ $-4.5*$ $-4.5*$ $-4.5*$ U.S. Cancer Mortality ^c , $1992-2009$ All Races $1992-05$ $0.4*$ $2005-09$ $-1.6*$ 0.0 $-0.6*$ $-1.3*$ White $1992-00$ $1.7*$ $2000-06$ $0.7*$ $2006-09$ $-1.3*$ $-0.6*$ $-4.5*$ $-4.5*$ U.S. Cancer Mortality ^c , $1992-2009$ $A1*$ $2005-09$ $-1.6*$ 0.0 $-0.8*$ White $1992-00$ $1.7*$ $2000-06$ $0.7*$ $2006-09$ $-1.3*$ White NH ^{ef} $1992-00$ $2.0*$ $2006-09$ $-1.3*$ 0.0 $-0.8*$ Black $1992-09$ $-4.4*$ $-4.4*$ $-4.4*$ $-4.4*$ $-4.4*$ Black NH ^{ef} $1992-09$ $-4.2*$ $-4.2*$ $-4.2*$ $-4.2*$ AI/AN ^{eg} $1992-09$ $1.8*$ $1.8*$ $1.8*$ $1.8*$ | Hispanic ^f | 1992-09 | -1.5* | | | | | | | | | | | -1.5* | -1.5* |
| White $1975-83$ 0.4^* $1983-00$ 1.7^* $2000-06$ 0.7^* $2006-09$ -1.3^* 0.0 -0.8^* Black $1975-82$ 1.1^* $1982-93$ -1.6^* $1993-09$ -4.5^* -4.5^* -4.5^* -4.5^* U.S. Cancer Mortality ^c , $1992-2009$ 1.1^* $2005-09$ -1.6^* $1992-00$ 0.4^* $2005-09$ -1.6^* All Races $1992-00$ 1.7^* $2000-06$ 0.7^* $2006-09$ -1.3^* 0.0 -0.5^* -1.6^* White $1992-00$ 1.7^* $2000-06$ 0.7^* $2006-09$ -1.3^* 0.0 -0.5^* -1.6^* White $1992-00$ 2.0^* $2000-06$ 0.7^* $2006-09$ -1.3^* 0.0 -0.5^* -1.6^* White $1992-00$ 2.0^* $2000-06$ 0.7^* $2006-09$ -1.3^* 0.2 -0.8^* Black $1992-09$ -4.4^* -4.4^* -4.4^* -4.4^* -4.4^* -4.2^* -4.2^* API ^e $1992-09$ -4.2^* -4.2^* -4.2^* -4.2^* -4.2^* -4.2^* AI/AN ^{eg} $1992-09$ 1.8^* 1.8^* 1.8^* 1.8^* 1.8^* | <u>U.S. Cancer Morta</u> | lity ^c , 1975- | 2009 | | | | | | | | | | | | |
| Black $1975-82$ $1.1*$ $1982-93$ $-1.6*$ $1993-09$ $-4.5*$ $-4.5*$ $-4.5*$ U.S. Cancer Mortality ^c , $1992-2009$ $1.6*$ $-0.5*$ $-1.6*$ $-0.5*$ $-1.6*$ All Races $1992-05$ $0.4*$ $2005-09$ $-1.6*$ $-0.5*$ $-1.6*$ White $1992-00$ $1.7*$ $2000-06$ $0.7*$ $2006-09$ $-1.3*$ 0.0 $-0.5*$ $-1.6*$ White NH ^{ef} $1992-00$ $2.0*$ $2000-06$ $0.9*$ $2006-09$ $-1.3*$ 0.2 -0.8 Black $1992-09$ $-4.4*$ $-4.4*$ $-4.4*$ $-4.4*$ $-4.4*$ $-4.2*$ $-4.2*$ $-4.2*$ API ^e $1992-09$ $-1.9*$ $-1.9*$ $-1.9*$ $-1.9*$ $1.8*$ $1.8*$ | All Races | 1975-00 | 0.7* | 2000-06 | 0.0 | 2006-09 | -1.8* | | | | | | | -0.6* | -1.3* |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | White | 1975-83 | 0.4* | 1983-00 | 1.7* | 2000-06 | 0.7* | 2006-09 | -1.3* | | | | | 0.0 | -0.8* |
| All Races 1992-05 0.4* 2005-09 -1.6* White 1992-00 1.7* 2000-06 0.7* 2006-09 -1.3* White NH ^{ef} 1992-00 2.0* 2000-06 0.9* 2006-09 -1.4 Black 1992-09 -4.4* -4.4* -4.4* -4.4* Black NH ^{ef} 1992-09 -4.2* -4.2* -4.2* API ^e 1992-09 -1.9* -1.9* -1.9* AI/AN ^{eg} 1992-09 1.8* 1.8* 1.8* | Black | 1975-82 | 1.1* | 1982-93 | -1.6* | 1993-09 | -4.5* | | | | | | | -4.5* | -4.5* |
| White 1992-00 1.7* 2000-06 0.7* 2006-09 -1.3* 0.0 -0.8 White NH ^{ef} 1992-00 2.0* 2000-06 0.9* 2006-09 -1.4 0.2 -0.8 Black 1992-09 -4.4* -4.4* -4.4* -4.4* -4.2* -4.2* Aple 1992-09 -1.9* -1.9* -1.9* -1.9* -1.9* AI/AN ^{eg} 1992-09 1.8* 1.8* 1.8* 1.8* | <u>U.S. Cancer Morta</u> | lity ^c , 1992- | 2009 | | | | | | | | | | | | |
| White NH ^{ef} 1992-00 2.0* 2000-06 0.9* 2006-09 -1.4 Black 1992-09 -4.4* -4.4* -4.4* Black NH ^{ef} 1992-09 -4.2* -4.2* -4.2* API ^e 1992-09 -1.9* -1.9* -1.9* AI/AN ^{eg} 1992-09 1.8* 1.8* 1.8* | All Races | 1992-05 | 0.4* | 2005-09 | -1.6* | | | | | | | | | -0.5* | -1.6* |
| Black 1992-09 -4.4* -4.4* Black 1992-09 -4.2* -4.2* API ^e 1992-09 -1.9* -1.9* AI/AN ^{eg} 1992-09 1.8* 1.8* | White | 1992-00 | 1.7* | 2000-06 | 0.7* | 2006-09 | -1.3* | | | | | | | 0.0 | -0.8 |
| Black NH ^{ef} 1992-09 -4.2* API ^e 1992-09 -1.9* AI/AN ^{eg} 1992-09 1.8* | White NH ^{ef} | 1992-00 | 2.0* | 2000-06 | 0.9* | 2006-09 | -1.4 | | | | | | | 0.2 | -0.8 |
| API ^e 1992-09 -1.9* AI/AN ^{eg} 1992-09 1.8* 1.8* 1.8* | Black | 1992-09 | -4.4* | | | | | | | | | | | -4.4* | -4.4* |
| AI/AN ^{eg} 1992-09 1.8* 1.8* | Black NH ^{ef} | 1992-09 | -4.2* | | | | | | | | | | | -4.2* | -4.2* |
| | API ^e | 1992-09 | -1.9* | | | | | | | | | | | -1.9* | -1.9* |
| Hispanic ^f 1992-09 -0.9* -0.9* | AI/AN ^{eg} | 1992-09 | 1.8* | | | | | | | | | | | 1.8* | 1.8* |
| | Hispanic ^f | 1992-09 | -0.9* | | | | | | | | | | | -0.9* | -0.9* |

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

а

b

С

d

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Table 8.2 Cancer of the Esophagus (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints, Males by Race/Ethnicity

| Years APC Years APC <th< th=""><th></th><th>JP Tre</th><th>nd 1</th><th>JP Tre</th><th>end 2</th><th>JP Tre</th><th>end 3</th><th>JP Tre</th><th>end 4</th><th>JP Tre</th><th>end 5</th><th>JP Tr</th><th>end 6</th><th>AAF</th><th>Cd</th></th<> | | JP Tre | nd 1 | JP Tre | end 2 | JP Tre | end 3 | JP Tre | end 4 | JP Tre | end 5 | JP Tr | end 6 | AAF | Cd |
|---|------------------------|---------------------------|------------------------|---------|-------|---------|-------|---------|-------|--------|-------|-------|-------|---------|---------|
| All Races $1975-09$ $0.6*$ $0.4*$ $-4.8*$ $-4.8*$ $-4.8*$ $-4.8*$ $-4.8*$ $-4.8*$ $-4.8*$ $-4.8*$ $-4.8*$ $-4.8*$ 0.00 0.0 $0.$ | | Years | APC | | | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| All Races $1975-09$ $0.6*$ $0.4*$ $-4.8*$ $-4.8*$ $-4.8*$ $-4.8*$ $-4.8*$ $-4.8*$ $-4.8*$ $-4.8*$ $-4.8*$ $-4.8*$ 0.00 0.0 $0.$ | SEER 9 Delay-Adjus | ted Incider | nce ^a , 197 | 5-2009 | | | | | | | | | | | |
| Black 1975-86 1.1 1986-09 -4.8* -4.8* SEER 13 Delay-Adjusted Incidence ^b , 1992-2009 0.0 0.0 0.0 0.0 All Races 1992-09 0.0 0.0 0.0 0.0 White 1992-09 1.0* 1.0* 1.0* 1.0* Black 1992-09 -4.7* -4.7* -4.7* SEER 9 Observed Incidence ^a , 1975-2009 0.8* 2004-09 -1.5 All Races 1975-04 0.8* 2004-09 -0.7 White 1975-04 1.7* 2004-09 -0.7 | · | | | | | | | | | | | | | 0.6* | 0.6* |
| SEER 13 Delay-Adjusted Incidence ^b , 1992-2009 All Races 1992-09 0.0 White 1992-09 1.0* Black 1992-09 -4.7* SEER 9 Observed Incidence ^a , 1975-2009 All Races 1975-04 0.8* 2004-09 -0.5 -1.5 White 1975-04 1.7* 2004-09 -0.7 0.4 | White | 1975-04 | 1.7* | 2004-09 | -0.6 | | | | | | | | | 0.4 | -0.6 |
| All Races 1992-09 0.0 0.0 0.0 0.0 White 1992-09 1.0* 1.0* 1.0* 1.0* Black 1992-09 -4.7* -4.7* -4.7* -4.7* SEER 9 Observed Incidence ^a , 1975-2009 -0.5 -1.5 -0.5 -1.5 White 1975-04 0.8* 2004-09 -0.7 0.4 -0.7 | Black | 1975-86 | 1.1 | 1986-09 | -4.8* | | | | | | | | | -4.8* | -4.8* |
| All Races 1992-09 0.0 0.0 0.0 0.0 White 1992-09 1.0* 1.0* 1.0* 1.0* Black 1992-09 -4.7* -4.7* -4.7* -4.7* SEER 9 Observed Incidence ^a , 1975-2009 -0.5 -1.5 -0.5 -1.5 White 1975-04 0.8* 2004-09 -0.7 0.4 -0.7 | SEER 13 Delay-Adiu | sted Incide | ence ^b , 19 | 92-2009 | | | | | | | | | | | |
| White 1992-09 1.0* 1.0* 1.0* Black 1992-09 -4.7* -4.7* -4.7* SEER 9 Observed Incidence ^a , 1975-2009 -4.7* -4.7* -4.7* All Races 1975-04 0.8* 2004-09 -1.5 White 1975-04 1.7* 2004-09 -0.7 | | | | | | | | | | | | | | 0.0 | 0.0 |
| SEER 9 Observed Incidence ^a , 1975-2009All Races1975-040.8*2004-09-0.5-1.5White1975-041.7*2004-09-0.7 | | | | | | | | | | | | | | | |
| All Races 1975-04 0.8* 2004-09 -1.5 White 1975-04 1.7* 2004-09 -0.7 0.4 -0.7 | Black | 1992-09 | -4.7* | | | | | | | | | | | -4.7* | -4.7* |
| All Races 1975-04 0.8* 2004-09 -1.5 White 1975-04 1.7* 2004-09 -0.7 0.4 -0.7 | SFFR 9 Observed Ir | cidence ^a 1 | 975-2009 | | | | | | | | | | | | |
| White 1975-04 1.7* 2004-09 -0.7 0.4 -0.7 | | | | - | -1.5 | | | | | | | | | -0.5 | -1.5 |
| | | | | | | | | | | | | | | | |
| BIACK 19/5-00 I.I 1900-09 -4.8* -4.8* | Black | 1975-86 | 1.1 | 1986-09 | -4.8* | | | | | | | | | -4.8* | -4.8* |
| SEER 13 Observed Incidence ^b , 1992-2009 | SEEP 13 Observed I | naidence ^b | 1992-200 | Q | | | | | | | | | | | |
| All Races 1992-09 0.0 0.0 0.0 | | , | | | | | | | | | | | | 0 0 | 0 0 |
| White 192-09 0.9* 0.9* 0.9* | | | | | | | | | | | | | | | |
| White NH ^{ef} 1992-09 1.2* 1.2* | | | | | | | | | | | | | | | |
| Black 1992-09 -4.7* -4.7* | Black | | -4.7* | | | | | | | | | | | -4.7* | |
| Black NH ^{ef} 1992-09 -4.7* -4.7* | Black NH ^{ef} | 1992-09 | -4.7* | | | | | | | | | | | -4.7* | -4.7* |
| API ^e 1992-09 -2.0* -2.0* -2.0* | API ^e | 1992-09 | -2.0* | | | | | | | | | | | -2.0* | -2.0* |
| AI/AN ^{eg} 1992-09 -2.3 -2.3 -2.3 | AI/AN ^{eg} | 1992-09 | -2.3 | | | | | | | | | | | -2.3 | -2.3 |
| Hispanic ^f 1992-09 -1.5* -1.5* -1.5* | Hispanic ^f | 1992-09 | -1.5* | | | | | | | | | | | -1.5* | -1.5* |
| U.S. Cancer Mortality ^c , 1975-2009 | U.S. Cancer Mortal | .ity ^c , 1975- | 2009 | | | | | | | | | | | | |
| All Races 1975-85 0.7* 1985-94 1.2* 1994-05 0.5* 2005-09 -1.2* -0.3 -1.2* | | | | 1985-94 | 1.2* | 1994-05 | 0.5* | 2005-09 | -1.2* | | | | | -0.3 | -1.2* |
| White 1975-82 0.3 1982-98 1.9* 1998-05 1.2* 2005-09 -0.9* 0.3 -0.9* | White | 1975-82 | 0.3 | 1982-98 | 1.9* | 1998-05 | 1.2* | 2005-09 | -0.9* | | | | | 0.3 | -0.9* |
| Black 1975-84 0.8* 1984-93 -1.9* 1993-09 -4.6* -4.6* -4.6* | Black | 1975-84 | 0.8* | 1984-93 | -1.9* | 1993-09 | -4.6* | | | | | | | -4.6* | -4.6* |
| U.S. Cancer Mortality ^c , 1992-2009 | U.S. Cancer Mortal | .itv ^c , 1992- | 2009 | | | | | | | | | | | | |
| All Races 1992-05 0.6* 2005-09 -1.3* -0.3 -1.3* | | | | 2005-09 | -1.3* | | | | | | | | | -0.3 | -1.3* |
| White 1992-05 1.5* 2005-09 -1.0* 0.3 -1.0* | White | 1992-05 | 1.5* | 2005-09 | -1.0* | | | | | | | | | 0.3 | -1.0* |
| White NH ^{ef} 1992-05 1.7* 2005-09 -1.0 0.5 -1.0 | White NH ^{ef} | 1992-05 | 1.7* | 2005-09 | -1.0 | | | | | | | | | 0.5 | -1.0 |
| Black 1992-09 -4.5* -4.5* -4.5* | Black | 1992-09 | -4.5* | | | | | | | | | | | -4.5* | -4.5* |
| Black NH ^{ef} 1992-09 -4.3* -4.3* | | | | | | | | | | | | | | | |
| API ^e 1992-09 -2.1* -2.1* -2.1* | | | | | | | | | | | | | | | |
| AI/AN ^{eg} 1992-09 1.4 1.4 1.4 | | | | | | | | | | | | | | | |
| Hispanic ^f 1992-09 -1.1* -1.1* | Hispanic ¹ | 1992-09 | -1.1* | | | | | | | | | | | -1.1* | -1.1* |

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

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Table 8.3 Cancer of the Esophagus (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints, Females by Race/Ethnicity

| Years APC Years Years Years Years | | JP Trend 1 | 1 JP_Tr | end 2 | JP Tr | end 3 | JP Tre | end 4 | JP Tre | end 5 | JP Tr | end 6 | AAF | PC ^d |
|---|------------------------|------------------------------|----------------------------|-------|-------|-------|--------|-------|--------|-------|-------|-------|---------|-----------------|
| All Races 1975-09 -0.4* -0.4* White 1975-09 0.0 0.0 0.0 Black 1975-80 10.6 1980-09 -2.8* -2.8* SEER 13 Delay-Adjusted Incidence ^b , 1992-2009 -0.9* -0.9* -0.9* -0.9* All Races 1992-09 -0.3 -0.3 -0.3 -0.3 Black 1992-09 -3.9* -3.9* -3.9* -3.9* | | Years AF | PC Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| White 1975-09 0.0 0.0 0.0 Black 1975-80 10.6 1980-09 -2.8* -2.8* SEER 13 Delay-Adjusted Incidence ^b , 1992-2009 -0.9* -0.9* -0.9* -0.9* All Races 1992-09 -0.3 -0.3 -0.3 -0.3 White 1992-09 -3.9* -3.9* -3.9* -3.9* | SEER 9 Delay-Adjus | ted Incidence ^a , | , 1975-2009 | | | | | | | | | | | |
| Black 1975-80 10.6 1980-09 -2.8* SEER 13 Delay-Adjusted Incidence ^b , 1992-2009 All Races 1992-09 -0.9* 1992-09 -0.9* -0.9* White 1992-09 -0.3 Black 1992-09 -3.9* | All Races | 1975-09 -0. | .4* | | | | | | | | | | -0.4* | -0.4* |
| SEER 13 Delay-Adjusted Incidence ^b , 1992-2009 All Races 1992-09 -0.9* White 1992-09 -0.3 Black 1992-09 -3.9* | White | 1975-09 0. | .0 | | | | | | | | | | 0.0 | 0.0 |
| All Races 1992-09 -0.9* -0.9* White 1992-09 -0.3 -0.3 Black 1992-09 -3.9* -3.9* | Black | 1975-80 10. | 1980-09 | -2.8* | | | | | | | | | -2.8* | -2.8* |
| White 1992-09 -0.3 Black 1992-09 -3.9* | SEER 13 Delay-Adju | sted Incidence ¹ | e ^b , 1992-2009 | | | | | | | | | | | |
| Black 1992-09 -3.9* -3.9* | All Races | 1992-09 -0. | 1.9* | | | | | | | | | | -0.9* | -0.9* |
| | White | 1992-09 -0. | .3 | | | | | | | | | | -0.3 | -0.3 |
| | Black | 1992-09 -3. | .9* | | | | | | | | | | -3.9* | -3.9* |
| <u>SEER 9 Observed Incidence^a, 1975-2009</u> | SEER 9 Observed Inc | cidence ^a , 1975- | -2009 | | | | | | | | | | | |
| All Races 1975-09 -0.4* -0.4* -0.4* | All Races | 1975-09 -0. | .4* | | | | | | | | | | -0.4* | -0.4* |
| White 1975-09 0.0 0.0 0.0 | White | 1975-09 0. | .0 | | | | | | | | | | 0.0 | 0.0 |
| Black 1975-80 10.6 1980-09 -2.8* -2.8* -2.8* | Black | 1975-80 10. | 1980-09 | -2.8* | | | | | | | | | -2.8* | -2.8* |
| SEER 13 Observed Incidence ^b , 1992-2009 | SEER 13 Observed I | ncidence ^b , 1992 | 2-2009 | | | | | | | | | | | |
| All Races 1992-09 -1.0* -1.0* -1.0* | All Races | 1992-09 -1. | .0* | | | | | | | | | | -1.0* | -1.0* |
| White 1992-09 -0.4 -0.4 -0.4 | White | 1992-09 -0. | .4 | | | | | | | | | | -0.4 | -0.4 |
| White NH ^{ef} 1992-09 -0.1 -0.1 -0.1 | | 1992-09 -0. | .1 | | | | | | | | | | -0.1 | -0.1 |
| Black 1992-09 -4.0* -4.0* -4.0* | Black | 1992-09 -4. | .0* | | | | | | | | | | -4.0* | -4.0* |
| Black NH ^{ef} 1992-09 -4.0* -4.0* | Black NH ^{ef} | 1992-09 -4. | .0* | | | | | | | | | | -4.0* | -4.0* |
| API ^e 1992-09 1.1 1.1 1.1 | API ^e | 1992-09 1. | 1 | | | | | | | | | | 1.1 | 1.1 |
| AI/AN ^{eg} | AI/AN ^{eg} | | | | | | | | | | | | - | - |
| Hispanic ^f 1992-09 -2.5 -2.5 | Hispanic ^f | 1992-09 -2. | .5 | | | | | | | | | | -2.5 | -2.5 |
| U.S. Cancer Mortality ^c , 1975-2009 | U.S. Cancer Mortal: | ity ^c , 1975-2009 | 9 | | | | | | | | | | | |
| All Races 1975-01 0.0 2001-09 -2.0* -1.7* -2.0* | All Races | 1975-01 0. | .0 2001-09 | -2.0* | | | | | | | | | -1.7* | -2.0* |
| White 1975-03 0.4* 2003-09 -1.7* -1.0* -1.7* | White | 1975-03 0. | .4* 2003-09 | -1.7* | | | | | | | | | -1.0* | -1.7* |
| Black 1975-92 -0.2 1992-09 -4.0* -4.0* | Black | 1975-92 -0. | .2 1992-09 | -4.0* | | | | | | | | | -4.0* | -4.0* |
| U.S. Cancer Mortality ^c , 1992-2009 | U.S. Cancer Mortal | ity ^c , 1992-2009 | 9 | | | | | | | | | | | |
| All Races 1992-01 0.0 2001-09 -1.9* -1.7* -1.9* | All Races | 1992-01 0. | .0 2001-09 | -1.9* | | | | | | | | | -1.7* | -1.9* |
| White 1992-01 0.8* 2001-09 -1.3* -1.1* -1.3* | White | 1992-01 0. | .8* 2001-09 | -1.3* | | | | | | | | | -1.1* | -1.3* |
| White NH ^{ef} 1992-01 1.1* 2001-09 -1.2* -1.0* -1.2* | White NH ^{ef} | 1992-01 1. | .1* 2001-09 | -1.2* | | | | | | | | | -1.0* | -1.2* |
| Black 1992-09 -4.0* -4.0* -4.0* | | 1992-09 -4. | .0* | | | | | | | | | | -4.0* | -4.0* |
| Black NH ^{ef} 1992-09 -3.8* -3.8* | Black NH ^{ef} | 1992-09 -3. | .8* | | | | | | | | | | -3.8* | -3.8* |
| API ^e 1992-09 -0.9 -0.9 -0.9 | API ^e | 1992-09 -0. | 1.9 | | | | | | | | | | -0.9 | -0.9 |
| AI/AN ^{eg} 1992-09 2.5 2.5 2.5 | AI/AN ^{eg} | 1992-09 2. | .5 | | | | | | | | | | 2.5 | 2.5 |
| Hispanic ^f 1992-97 7.3* 1997-09 -2.9* -2.9* | Hispanic ^f | 1992-97 7. | 1997-09 | -2.9* | | | | | | | | | -2.9* | -2.9* |

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

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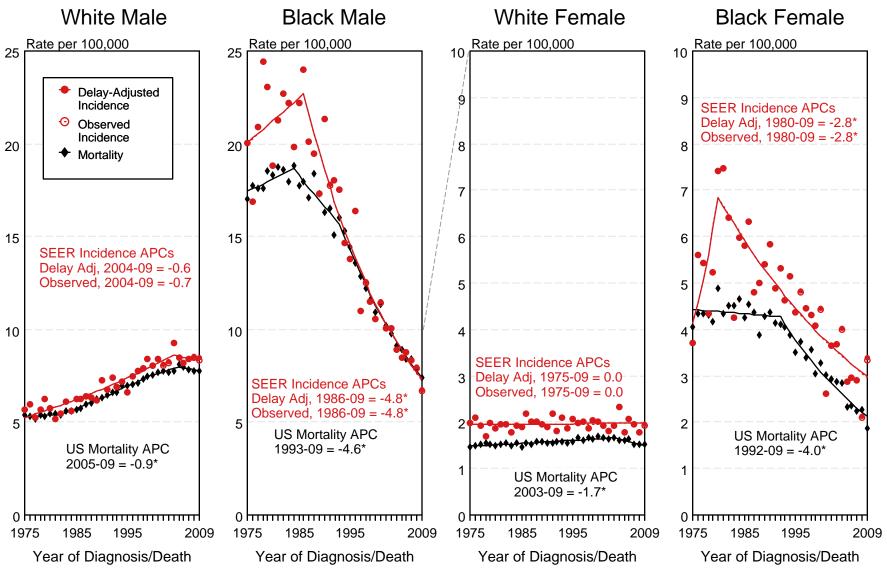
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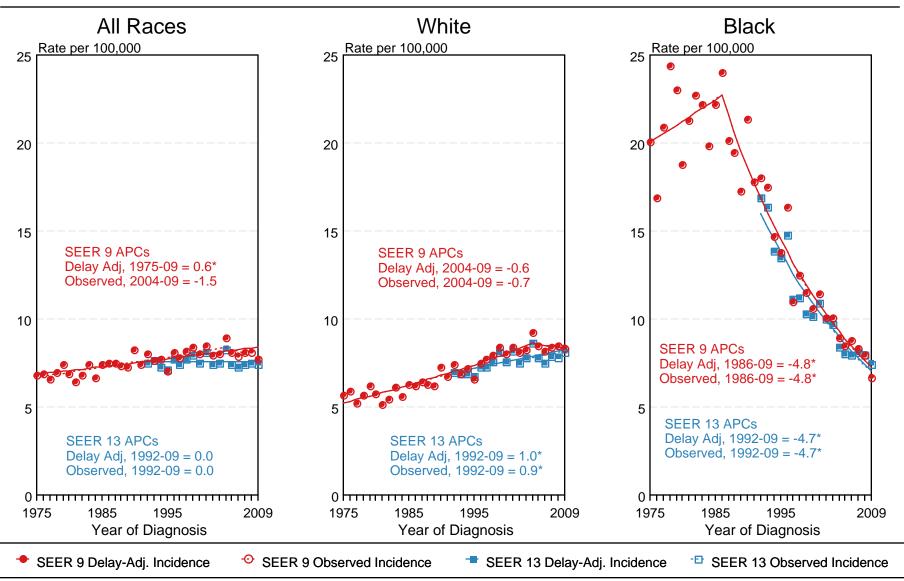
SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates^a Cancer of the Esophagus, by Race and Sex



 ^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 and SEER Delay Adjusted Incidence Rates^a SEER 9 Areas Compared to SEER 13 Areas Cancer of the Esophagus, Male, by Race

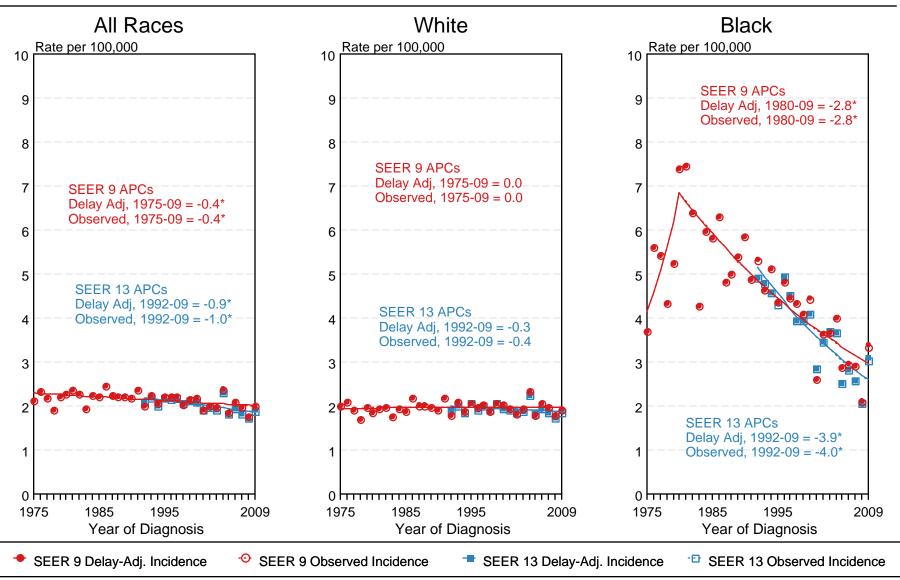


^a Source: SEER 9 areas and SEER 13 areas.

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 Cancer of the Esophagus, Female, by Race



^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).

Table 9.1 Hodgkin Lymphoma

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints, Both Sexes by Race/Ethnicity

| | JP Trend | <u>1JP_Tr</u> | end 2 | JP Tre | end 3 | JP Tre | end 4 | JP Tre | end 5 | JP Tr | end 6 | AAF | PC ^d |
|------------------------|------------------------------|----------------------------|-------|---------|--------|--------|-------|--------|-------|-------|-------|---------|-----------------|
| | Years A | APC Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| SEER 9 Delay-Adju | sted Incidence ^a | ^a . 1975-2009 | | | | | | | | | | | |
| All Races | |).2 2001-09 | 1.0 | | | | | | | | | 0.9 | 1.0 |
| White | 1975-09 0 |).0 | | | | | | | | | | 0.0 | 0.0 |
| Black | 1975-09 1 | .2* | | | | | | | | | | 1.2* | 1.2* |
| SEER 13 Delay-Adj | usted Incidence | e ^b , 1992-2009 | | | | | | | | | | | |
| All Races | 1992-09 0 |).4* | | | | | | | | | | 0.4* | 0.4* |
| White | 1992-09 0 |).2 | | | | | | | | | | 0.2 | 0.2 |
| Black | 1992-09 1 | .1* | | | | | | | | | | 1.1* | 1.1* |
| SEER 9 Observed I | ncidence ^a , 1975 | 5-2009 | | | | | | | | | | | |
| All Races | | 0.1 | | | | | | | | | | -0.1 | -0.1 |
| White | 1975-09 -0 |).1 | | | | | | | | | | -0.1 | -0.1 |
| Black | 1975-09 1 | | | | | | | | | | | 1.2* | 1.2* |
| SEER 13 Observed 1 | Incidence ^b , 199 | 2-2009 | | | | | | | | | | | |
| All Races | 1992-09 0 |).3 | | | | | | | | | | 0.3 | 0.3 |
| White | 1992-09 0 |).2 | | | | | | | | | | 0.2 | 0.2 |
| White NH ^{ef} | 1992-04 0 | 2004-07 | 2.6 | 2007-09 | -4.4 | | | | | | | -0.1 | -0.9 |
| Black | 1992-09 1 | .0* | | | | | | | | | | 1.0* | 1.0* |
| Black NH ^{ef} | 1992-09 1 | .0* | | | | | | | | | | 1.0* | 1.0* |
| API ^e | 1992-09 2 | 2.6* | | | | | | | | | | 2.6* | 2.6* |
| AI/AN ^{eg} | | - | | | | | | | | | | - | - |
| Hispanic ^f | 1992-09 0 |).1 | | | | | | | | | | 0.1 | 0.1 |
| U.S. Cancer Morta | lity ^c , 1975-200 | 19 | | | | | | | | | | | |
| All Races | 1975-79 -6 | 5.5* 1979-98 | -3.5* | 1998-09 | -2.2* | | | | | | | -2.2* | -2.2* |
| White | 1975-79 -6 | 5.2* 1979-96 | -3.6* | 1996-09 | -2.4* | | | | | | | -2.4* | -2.4* |
| Black | 1975-78 -8 | 3.6 1978-09 | -2.7* | | | | | | | | | -2.7* | -2.7* |
| U.S. Cancer Morta | lity ^c , 1992-200 | 19 | | | | | | | | | | | |
| All Races | 1992-09 -2 | 2.7* | | | | | | | | | | -2.7* | -2.7* |
| White | 1992-94 -8 | 3.1 1994-09 | -2.3* | | | | | | | | | -2.3* | -2.3* |
| White NH ^{ef} | 1992-09 -2 | 2.4* | | | | | | | | | | -2.4* | -2.4* |
| Black | 1992-09 -2 | 2.8* | | | | | | | | | | -2.8* | -2.8* |
| Black NH ^{ef} | 1992-09 -2 | 2.2* | | | | | | | | | | -2.2* | -2.2* |
| API ^e | 1992-99 -10 |).5* 1999-02 | 31.2 | 2002-09 | -10.0* | | | | | | | -2.1 | -10.0* |
| AI/AN ^{eg} | 1992-09 1 | .5 | | | | | | | | | | 1.5 | 1.5 |
| Hispanic ^f | 1992-09 -3 | 3.2* | | | | | | | | | | -3.2* | -3.2* |
| | | | | | | | | | | | | | |

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, SC, 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.

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Table 9.2 Hodgkin Lymphoma

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints, Males by Race/Ethnicity

| | JP Tre | nd 1 | JP Tre | end 2 | JP Tr | end 3 | JP Tr | end 4 | JP Tre | end 5 | JP Tr | end 6 | AAF | PC^{d} |
|---------------------------|---------------------------|------------------------|----------|-------|-------|-------|-------|-------|--------|-------|-------|-------|---------|----------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| SEER 9 Delay-Adjus | sted Incider | uce ^a . 197 | 5-2009 | | | | | | | | | | | |
| All Races | 1975-01 | -0.7* | 2001-09 | 1.3 | | | | | | | | | 1.0 | 1.3 |
| White | 1975-09 | -0.4* | | | | | | | | | | | -0.4* | -0.4* |
| Black | 1975-09 | 0.6 | | | | | | | | | | | 0.6 | 0.6 |
| | | | ~~ ~~~ | | | | | | | | | | | |
| SEER 13 Delay-Adju | | , | 92-2009 | | | | | | | | | | 0 4 | 0.4 |
| All Races | 1992-09 | 0.4 | | | | | | | | | | | 0.4 | 0.4 |
| White | 1992-09 | 0.2 | | | | | | | | | | | 0.2 | 0.2 |
| Black | 1992-09 | 1.3* | | | | | | | | | | | 1.3* | 1.3* |
| <u>SEER 9 Observed Ir</u> | ncidence ^a , 1 | 975-2009 | _ | | | | | | | | | | | |
| All Races | 1975-09 | -0.4* | | | | | | | | | | | -0.4* | -0.4* |
| White | 1975-09 | -0.4* | | | | | | | | | | | -0.4* | -0.4* |
| Black | 1975-09 | 0.5 | | | | | | | | | | | 0.5 | 0.5 |
| SEER 13 Observed 1 | Incidence ^b | 1992-200 | Q | | | | | | | | | | | |
| All Races | 1992-09 | 0.3 | <u> </u> | | | | | | | | | | 0.3 | 0.3 |
| White | 1992-09 | 0.2 | | | | | | | | | | | 0.2 | 0.2 |
| White NH ^{ef} | 1992-09 | 0.4 | | | | | | | | | | | 0.4 | 0.4 |
| Black | 1992-09 | 1.2* | | | | | | | | | | | 1.2* | 1.2* |
| Black NH ^{ef} | 1992-09 | 1.2* | | | | | | | | | | | 1.2* | 1.2* |
| API ^e | 1992-09 | 1.7 | | | | | | | | | | | 1.7 | 1.7 |
| AI/AN ^{eg} | | _ | | | | | | | | | | | _ | _ |
| Hispanic ^f | 1992-09 | -0.4 | | | | | | | | | | | -0.4 | -0.4 |
| - | | | | | | | | | | | | | | |
| U.S. Cancer Mortal | - · | | 1005 00 | | | | | | | | | | | |
| All Races | 1975-97 | -4.0* | 1997-09 | | | | | | | | | | -2.3* | -2.3* |
| White | 1975-96 | -4.1* | 1996-09 | -2.3* | | | | | | | | | -2.3* | -2.3* |
| Black | 1975-09 | -3.2* | | | | | | | | | | | -3.2* | -3.2* |
| <u>U.S. Cancer Mortal</u> | lity ^c , 1992- | 2009 | | | | | | | | | | | | |
| All Races | 1992-94 | -10.8 | 1994-09 | -2.3* | | | | | | | | | -2.3* | -2.3* |
| White | 1992-94 | -11.1 | 1994-09 | -2.2* | | | | | | | | | -2.2* | -2.2* |
| White NH ^{ef} | 1992-09 | -2.5* | | | | | | | | | | | -2.5* | -2.5* |
| Black | 1992-09 | -3.3* | | | | | | | | | | | -3.3* | -3.3* |
| Black NH ^{ef} | 1992-09 | -2.8* | | | | | | | | | | | -2.8* | -2.8* |
| API ^e | 1992-09 | -3.9* | | | | | | | | | | | -3.9* | -3.9* |
| AI/AN ^{eg} | - | - | | | | | | | | | | | - | - |
| Hispanic ^f | 1992-09 | -3.4* | | | | | | | | | | | -3.4* | -3.4* |

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, SC, 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.

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Table 9.3 Hodgkin Lymphoma

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints, Females by Race/Ethnicity

| | JP Tre | end 1 | JP Tre | end 2 | JP Tr | end 3 | JP Tre | end 4 | JP Tre | end 5 | JP Tre | end 6 | AAF | Cd |
|------------------------|--------------------------|------------------------|---------|-------|-------|-------|--------|-------|--------|-------|--------|-------|---------|---------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| SEER 9 Delay-Adjus | ted Incide | nce ^a , 197 | 5-2009 | | | | | | | | | | | |
| All Races | 1975-09 | 0.4* | | | | | | | | | | | 0.4* | 0.4* |
| White | 1975-09 | 0.4* | | | | | | | | | | | 0.4* | 0.4* |
| Black | 1975-09 | 2.2* | | | | | | | | | | | 2.2* | 2.2* |
| SEER 13 Delay-Adju | sted Incide | ence ^b , 19 | 92-2009 | | | | | | | | | | | |
| All Races | 1992-09 | 0.3 | | | | | | | | | | | 0.3 | 0.3 |
| White | 1992-09 | 0.2 | | | | | | | | | | | 0.2 | 0.2 |
| Black | 1992-09 | 0.7 | | | | | | | | | | | 0.7 | 0.7 |
| SEER 9 Observed In | cidence ^a , 1 | L975-2009 | | | | | | | | | | | | |
| All Races | 1975-09 | 0.4* | | | | | | | | | | | 0.4* | 0.4* |
| White | 1975-09 | 0.3* | | | | | | | | | | | 0.3* | 0.3* |
| Black | 1975-09 | 2.2* | | | | | | | | | | | 2.2* | 2.2* |
| SEER 13 Observed I | ncidence ^b , | 1992-200 | 9 | | | | | | | | | | | |
| All Races | 1992-09 | 0.2 | | | | | | | | | | | 0.2 | 0.2 |
| White | 1992-09 | 0.2 | | | | | | | | | | | 0.2 | 0.2 |
| White NH ^{ef} | 1992-09 | 0.3 | | | | | | | | | | | 0.3 | 0.3 |
| Black | 1992-09 | 0.6 | | | | | | | | | | | 0.6 | 0.6 |
| Black NH ^{ef} | 1992-09 | 0.6 | | | | | | | | | | | 0.6 | 0.6 |
| API ^e | 1992-09 | 3.6* | | | | | | | | | | | 3.6* | 3.6* |
| AI/AN ^{eg} | - | - | | | | | | | | | | | - | - |
| Hispanic ^f | 1992-09 | 0.7 | | | | | | | | | | | 0.7 | 0.7 |
| U.S. Cancer Mortal | ity ^c , 1975- | -2009 | | | | | | | | | | | | |
| All Races | 1975-85 | -4.9* | 1985-09 | -2.6* | | | | | | | | | -2.6* | -2.6* |
| White | 1975-85 | -5.0* | 1985-09 | -2.5* | | | | | | | | | -2.5* | -2.5* |
| Black | 1975-09 | -2.4* | | | | | | | | | | | -2.4* | -2.4* |
| U.S. Cancer Mortal | ity ^c , 1992- | -2009 | | | | | | | | | | | | |
| All Races | 1992-09 | -2.6* | | | | | | | | | | | -2.6* | -2.6* |
| White | 1992-09 | -2.5* | | | | | | | | | | | -2.5* | -2.5* |
| White NH ^{ef} | 1992-09 | -2.4* | | | | | | | | | | | -2.4* | -2.4* |
| Black | 1992-09 | -2.3* | | | | | | | | | | | -2.3* | -2.3* |
| Black NH ^{ef} | 1992-09 | -1.8* | | | | | | | | | | | -1.8* | -1.8* |
| API ^e | - | - | | | | | | | | | | | - | - |
| AI/AN ^{eg} | - | - | | | | | | | | | | | - | - |
| Hispanic ^f | 1992-09 | -2.8* | | | | | | | | | | | -2.8* | -2.8* |

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

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SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates^a Hodgkin Lymphoma, by Race and Sex

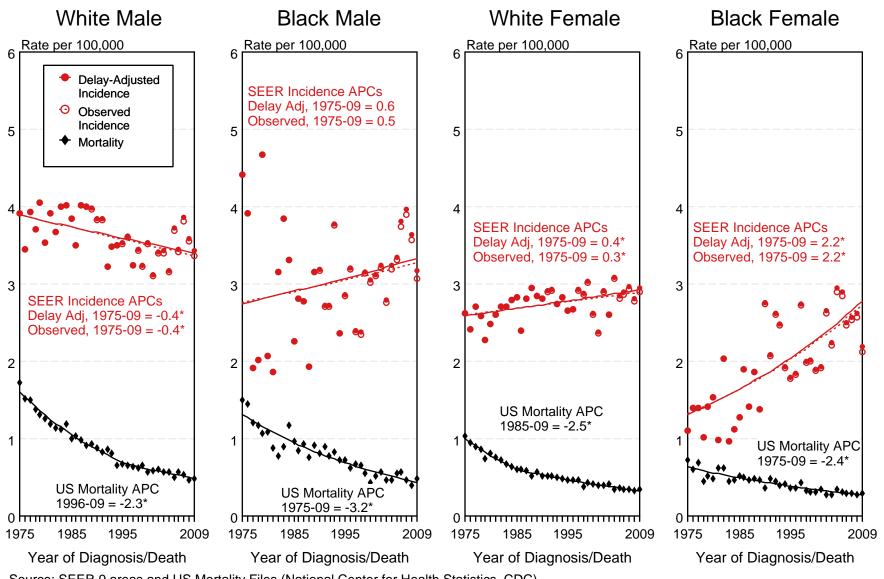
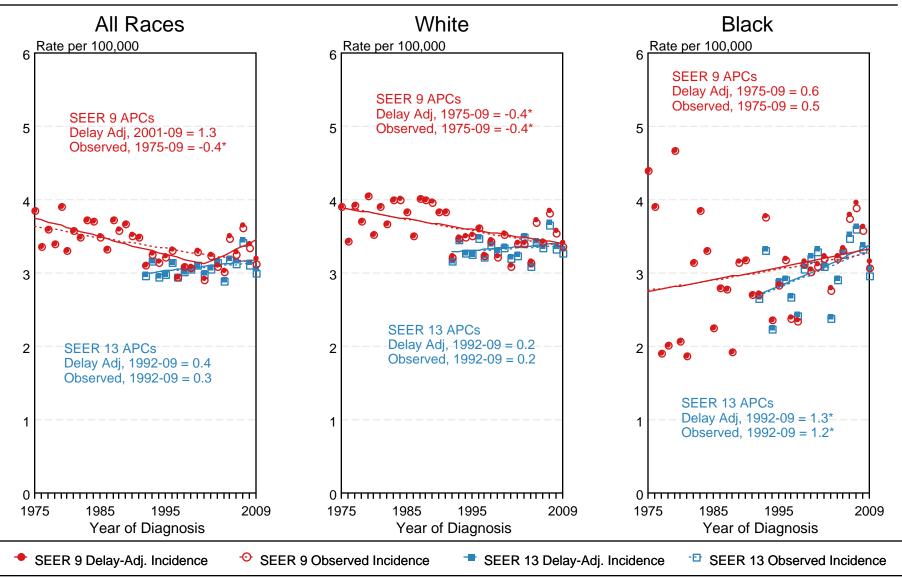


Figure 9.1

 ^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 and SEER Delay Adjusted Incidence Rates^a SEER 9 Areas Compared to SEER 13 Areas Hodgkin Lymphoma, Male, by Race

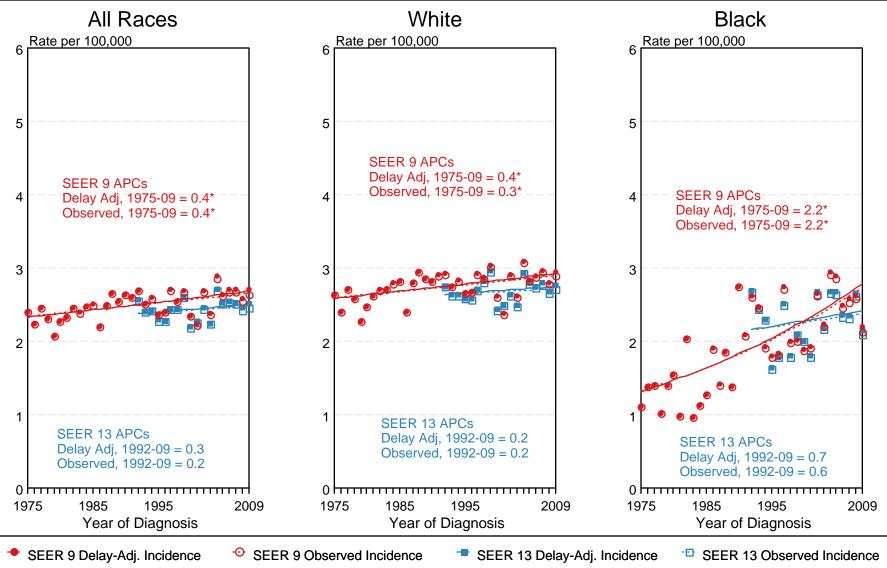


^a Source: SEER 9 areas and SEER 13 areas.

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.

SEER Observed Incidence and SEER Delay Adjusted Incidence Rates^a SEER 9 Areas Compared to SEER 13 Areas Hodgkin Lymphoma, Female, by Race



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.

Table 11.1 Cancer of the Kidney and Renal Pelvis (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints, Both Sexes by Race/Ethnicity

| | JP Tre | end 1 | JP Tre | end 2 | JP Tre | end 3 | JP Tr | end 4 | JP Tre | end 5 | JP Tr | end 6 | AAF | Cd |
|---------------------------|--------------------------|------------------------|----------|-------|---------|-------|-------|-------|--------|-------|-------|-------|---------|---------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| SEER 9 Delay-Adjus | ted Incider | nce ^a 197 | 75-2009 | | | | | | | | | | | |
| All Races | 1975-92 | 2.4* | 1992-97 | 0.6 | 1997-09 | 3.0* | | | | | | | 3.0* | 3.0* |
| White | 1975-91 | 2.4* | 1991-97 | 0.8 | 1997-09 | 2.9* | | | | | | | 2.9* | 2.9* |
| Black | 1975-09 | 3.0* | | | | | | | | | | | 3.0* | 3.0* |
| SEER 13 Delay-Adju | sted Incide | ence ^b , 19 | 992-2009 | | | | | | | | | | | |
| All Races | 1992-99 | 1.5* | 1999-09 | 3.1* | | | | | | | | | 3.1* | 3.1* |
| White | 1992-97 | 1.1 | 1997-09 | 2.9* | | | | | | | | | 2.9* | 2.9* |
| Black | 1992-09 | 2.9* | | | | | | | | | | | 2.9* | 2.9* |
| SEER 9 Observed In | cidenceª, 1 | 975-2009 | 9 | | | | | | | | | | | |
| All Races | 1975-91 | 2.4* | 1991-97 | 0.9 | 1997-09 | 2.8* | | | | | | | 2.8* | 2.8* |
| White | 1975-91 | 2.4* | 1991-97 | 0.8 | 1997-09 | 2.7* | | | | | | | 2.7* | 2.7* |
| Black | 1975-09 | 2.9* | | | | | | | | | | | 2.9* | 2.9* |
| SEER 13 Observed I | ncidence ^b , | 1992-200 |)9 | | | | | | | | | | | |
| All Races | 1992-97 | 0.9 | 1997-09 | 2.8* | | | | | | | | | 2.8* | 2.8* |
| White | 1992-97 | 1.2 | 1997-09 | 2.8* | | | | | | | | | 2.8* | 2.8* |
| White NH ^{ef} | 1992-09 | 2.4* | | | | | | | | | | | 2.4* | 2.4* |
| Black | 1992-09 | 2.7* | | | | | | | | | | | 2.7* | 2.7* |
| Black NH ^{ef} | 1992-09 | 2.8* | | | | | | | | | | | 2.8* | 2.8* |
| API ^e | 1992-09 | 3.0* | | | | | | | | | | | 3.0* | 3.0* |
| AI/AN ^{eg} | 1992-09 | 2.0* | | | | | | | | | | | 2.0* | 2.0* |
| Hispanic ^f | 1992-09 | 2.8* | | | | | | | | | | | 2.8* | 2.8* |
| <u>U.S. Cancer Mortal</u> | ity ^c , 1975- | -2009 | | | | | | | | | | | | |
| All Races | 1975-94 | 1.0* | 1994-09 | -0.6* | | | | | | | | | -0.6* | -0.6* |
| White | 1975-95 | 0.9* | 1995-09 | -0.6* | | | | | | | | | -0.6* | -0.6* |
| Black | 1975-91 | 2.7* | 1991-09 | -0.3* | | | | | | | | | -0.3* | -0.3* |
| <u>U.S. Cancer Mortal</u> | ity ^c , 1992- | -2009 | | | | | | | | | | | | |
| All Races | 1992-09 | -0.5* | | | | | | | | | | | -0.5* | -0.5* |
| White | 1992-03 | -0.1 | 2003-09 | -1.2* | | | | | | | | | -0.8* | -1.2* |
| White NH ^{ef} | 1992-03 | 0.0 | 2003-09 | -1.2* | | | | | | | | | -0.8* | -1.2* |
| Black | 1992-09 | -0.3* | | | | | | | | | | | -0.3* | -0.3* |
| Black NH ^{ef} | 1992-09 | -0.3* | | | | | | | | | | | -0.3* | -0.3* |
| API ^e | 1992-09 | 0.4 | | | | | | | | | | | 0.4 | 0.4 |
| AI/AN ^{eg} | 1992-09 | -0.1 | 0005 05 | | | | | | | | | | -0.1 | -0.1 |
| $Hispanic^{f}$ | 1992-05 | 0.4 | 2005-09 | -2.9 | | | | | | | | | -1.1 | -2.9 |

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

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Table 11.2 Cancer of the Kidney and Renal Pelvis (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints, Males by Race/Ethnicity

| | JP Tre | end 1 | JP Tre | end 2 | JP Tre | end 3 | JP Tre | end 4 | JP Tre | end 5 | JP Tr | end 6 | AAF | C^{d} |
|--|--------------------------|-------------------------|-----------|-------|---------|-------|--------|-------|--------|-------|-------|-------|--------------|--------------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| SEER 9 Delay-Adjus | ted Incider | nce ^a 195 | 75-2009 | | | | | | | | | | | |
| All Races | 1975-91 | 2.1* | 1991-97 | 0.6 | 1997-09 | 2.7* | | | | | | | 2.7* | 2.7* |
| White | 1975-89 | 2.2* | 1989-97 | 0.8 | 1997-09 | 2.6* | | | | | | | 2.6* | 2.6* |
| Black | 1975-09 | 3.1* | | | | | | | | | | | 3.1* | 3.1* |
| SEER 13 Delay-Adju | atod Ingida | ngo ^b 10 | 002-2000 | | | | | | | | | | | |
| All Races | 1992-99 | 1.3* | 1999-09 | 2.9* | | | | | | | | | 2.9* | 2.9* |
| White | 1992-09 | 2.4* | 1000 00 | 2.7 | | | | | | | | | 2.4* | 2.4* |
| Black | 1992-09 | 3.0* | | | | | | | | | | | 3.0* | 3.0* |
| | | | | | | | | | | | | | | |
| <u>SEER 9 Observed In</u> All Races | <u>1975-91</u> | <u>975-2009</u> 2.1* | 1991-97 | 0.6 | 1997-09 | 2.6* | | | | | | | 2.6* | 2.6* |
| White | 1975-09 | 1.8* | 1991-97 | 0.0 | 1997-09 | 2.0 | | | | | | | 1.8* | 1.8* |
| Black | 1975-09 | 3.0* | | | | | | | | | | | 3.0* | 3.0* |
| | | | | | | | | | | | | | 5.0 | 5.0 |
| SEER 13 Observed I | , | | <u>)9</u> | | | | | | | | | | | |
| All Races | 1992-09 | 2.3* | | | | | | | | | | | 2.3* | 2.3* |
| White | 1992-09 | 2.2* | | | | | | | | | | | 2.2* | 2.2* |
| White NH ^{ef} Black | 1992-09 | 2.2* 2.8* | | | | | | | | | | | 2.2* 2.8* | 2.2* 2.8* |
| Black NH ^{ef} | 1992-09 1992-09 | 2.8^ 2.9* | | | | | | | | | | | 2.8^ 2.9* | 2.8^ 2.9* |
| API ^e | 1992-09 | 2.9* 2.6* | | | | | | | | | | | 2.9* 2.6* | 2.9* 2.6* |
| AI/AN ^{eg} | 1992-09 | 1.8* | | | | | | | | | | | 1.8* | 1.8* |
| Hispanic ^f | 1992-09 | 2.5* | | | | | | | | | | | 2.5* | 2.5* |
| - | | | | | | | | | | | | | 2.5 | 2.5 |
| U.S. Cancer Mortal | · · · | | | | | | | | | | | | | |
| All Races | 1975-92 | 1.1* | 1992-09 | -0.4* | | | | | | | | | -0.4* | -0.4* |
| White | 1975-93 | 1.0* | 1993-09 | -0.4* | | | | | | | | | -0.4* | -0.4* |
| Black | 1975-91 | 3.0* | 1991-09 | -0.3 | | | | | | | | | -0.3 | -0.3 |
| <u>U.S. Cancer Mortal</u> | ity ^c , 1992- | 2009 | | | | | | | | | | | | |
| All Races | 1992-09 | -0.4* | | | | | | | | | | | -0.4* | -0.4* |
| White | 1992-09 | -0.4* | | | | | | | | | | | -0.4* | -0.4* |
| White NH ^{ef} | 1992-02 | 0.1 | 2002-09 | -1.0* | | | | | | | | | -0.8* | -1.0* |
| Black | 1992-09 | -0.2 | | | | | | | | | | | -0.2 | -0.2 |
| Black NH ^{ef} | 1992-09 | -0.2 | | | | | | | | | | | -0.2 | -0.2 |
| API ^e | 1992-09 | 0.6 | | | | | | | | | | | 0.6 | 0.6 |
| AI/AN ^{eg} | 1992-09 | -0.2 | | | | | | | | | | | -0.2 | -0.2 |
| Hispanic ^f | 1992-09 | -0.3 | | | | | | | | | | | -0.3 | -0.3 |

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, SC, 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.

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Table 11.3 Cancer of the Kidney and Renal Pelvis (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints, Females by Race/Ethnicity

| | JP Tre | end 1 | JP Tre | end 2 | JP Tre | nd 3 | JP Tre | end 4 | JP Tre | end 5 | JP Tr | end 6 | AAF | PC^{d} |
|------------------------|--------------------------|------------------------|-----------|-------|---------|------|---------|-------|--------|-------|-------|-------|---------|----------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | |
| SEER 9 Delay-Adjus | ted Incider | nce ^a . 195 | 75-2009 | | | | | | | | | | | |
| All Races | 1975-09 | 2.4* | 0 1000 | | | | | | | | | | 2.4* | 2.4* |
| White | 1975-93 | 2.8* | 1993-96 | -0.9 | 1996-09 | 3.0* | | | | | | | 3.0* | 3.0* |
| Black | 1975-09 | 2.9* | | | | | | | | | | | 2.9* | 2.9* |
| SEER 13 Delay-Adju | sted Incide | ence ^b , 19 | 92-2009 | | | | | | | | | | | |
| All Races | 1992-98 | 1.3 | 1998-09 | 3.1* | | | | | | | | | 3.1* | 3.1* |
| White | 1992-09 | 2.6* | | | | | | | | | | | 2.6* | 2.6* |
| Black | 1992-09 | 2.8* | | | | | | | | | | | 2.8* | 2.8* |
| SEER 9 Observed In | cidence ^a , 1 | 975-2009 |) | | | | | | | | | | | |
| All Races | 1975-09 | 2.4* | - | | | | | | | | | | 2.4* | 2.4* |
| White | 1975-93 | 2.8* | 1993-97 | -0.6 | 1997-07 | 3.5* | 2007-09 | -3.0 | | | | | 2.0 | 0.2 |
| Black | 1975-09 | 2.8* | | | | | | | | | | | 2.8* | 2.8* |
| SEER 13 Observed I | ncidence ^b , | 1992-200 | <u>)9</u> | | | | | | | | | | | |
| All Races | 1992-09 | 2.5* | | | | | | | | | | | 2.5* | 2.5* |
| White | 1992-09 | 2.5* | | | | | | | | | | | 2.5* | 2.5* |
| White NH ^{ef} | 1992-95 | -1.1 | 1995-09 | 2.7* | | | | | | | | | 2.7* | 2.7* |
| Black | 1992-09 | 2.6* | | | | | | | | | | | 2.6* | 2.6* |
| Black NH ^{ef} | 1992-09 | 2.7* | | | | | | | | | | | 2.7* | 2.7* |
| API ^e | 1992-09 | 3.7* | | | | | | | | | | | 3.7* | 3.7* |
| AI/AN ^{eg} | 1992-09 | 1.9 | | | | | | | | | | | 1.9 | 1.9 |
| Hispanic ^f | 1992-09 | 3.0* | | | | | | | | | | | 3.0* | 3.0* |
| U.S. Cancer Mortal | | | | | | | | | | | | | | |
| All Races | 1975-94 | 1.1* | 1994-09 | -0.9* | | | | | | | | | -0.9* | -0.9* |
| White | 1975-95 | 1.0* | 1995-09 | -0.9* | | | | | | | | | -0.9* | -0.9* |
| Black | 1975-94 | 2.4* | 1994-09 | -0.7* | | | | | | | | | -0.7* | -0.7* |
| U.S. Cancer Mortal | | | | | | | | | | | | | | |
| All Races | 1992-09 | -0.7* | | | | | | | | | | | -0.7* | -0.7* |
| White | 1992-09 | -0.7* | | | | | | | | | | | -0.7* | -0.7* |
| White NH ^{ef} | 1992-05 | -0.3* | 2005-09 | -2.1* | | | | | | | | | -1.1* | -2.1* |
| Black | 1992-09 | -0.4 | | | | | | | | | | | -0.4 | -0.4 |
| Black NH ^{ef} | 1992-09 | -0.4 | | | | | | | | | | | -0.4 | -0.4 |
| API ^e | 1992-09 | 0.1 | | | | | | | | | | | 0.1 | 0.1 |
| AI/AN ^{eg} | 1992-09 | -0.6 | | | | | | | | | | | -0.6 | -0.6 |
| Hispanic ^f | 1992-09 | -0.2 | | | | | | | | | | | -0.2 | -0.2 |

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

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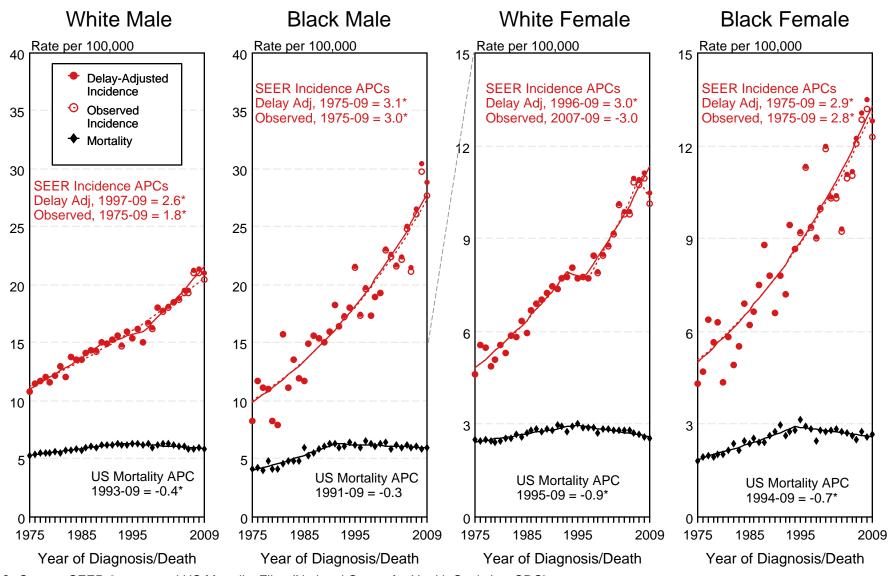
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SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates^a Cancer of the Kidney and Renal Pelvis, by Race and Sex

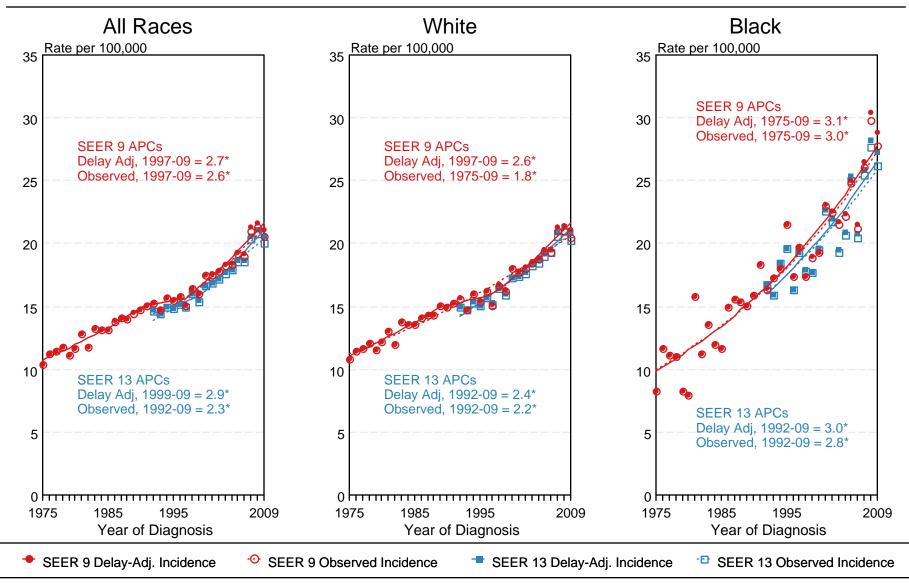


 ^a Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC). Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.5, April 2011, National Cancer 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 Cancer Statistics Review 1975-2009

Figure 11.1

SEER Observed Incidence and SEER Delay Adjusted Incidence Rates^a SEER 9 Areas Compared to SEER 13 Areas Cancer of the Kidney and Renal Pelvis, Male, by Race

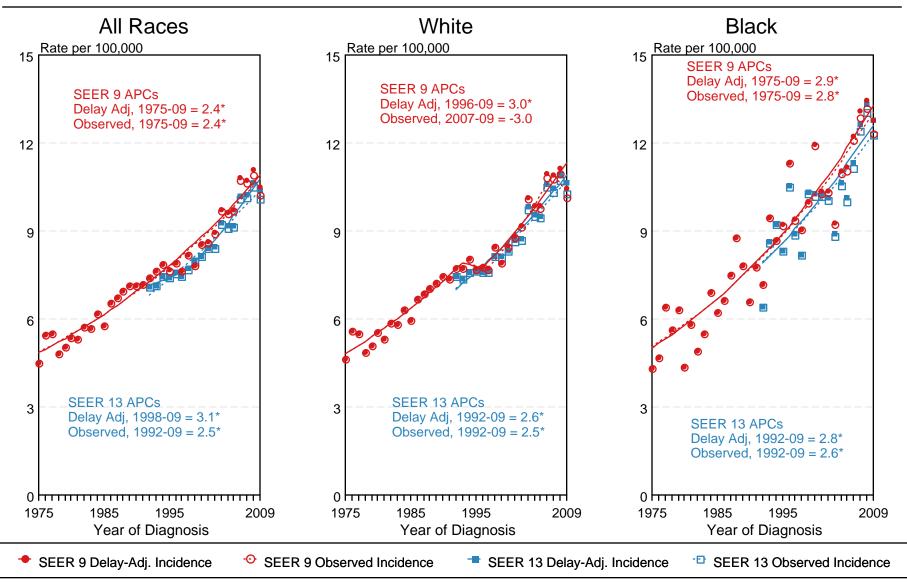


^a Source: SEER 9 areas and SEER 13 areas.

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 Cancer of the Kidney and Renal Pelvis, Female, by Race



^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.

Table 12.1 Cancer of the Larynx (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints, Both Sexes by Race/Ethnicity

| | JP Tren | nd 1 | JP Trend 2 | | JP Tr | end 3 | JP Tre | end 4 | JP Trend 5 | | JP Trend 6 | | AAP | C^d |
|--|-----------------------------|-----------------------|------------|-------|-------|-------|--------|-------|------------|-----|------------|-----|---------|--------------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| SEER 9 Delay-Adju | isted Incidenc | ce ^a . 197 | 5-2009 | | | | | | | | | | | |
| All Races | 1975-88 | 0.1 | 1988-09 | -2.5* | | | | | | | | | -2.5* | -2.5* |
| White | 1975-88 | 0.0 | 1988-09 | -2.4* | | | | | | | | | -2.4* | -2.4* |
| Black | 1975-90 | 1.2* | 1990-09 | -2.9* | | | | | | | | | -2.9* | -2.9* |
| SEER 13 Delay-Ad | insted Traider | ngo ^b 10 | | | | | | | | | | | | |
| All Races | | -2.8* | 92-2009 | | | | | | | | | | -2.8* | -2.8* |
| White | | -2.5* | | | | | | | | | | | -2.5* | -2.5* |
| Black | | -3.4* | | | | | | | | | | | -3.4* | -3.4* |
| | | | | | | | | | | | | | 5.1 | 5.1 |
| <u>SEER 9 Observed :</u> All Races | 1975-88 | 0.1 | 1988-09 | -2.5* | | | | | | | | | -2.5* | -2.5* |
| White | 1975-88 | 0.1 | 1988-09 | -2.5* | | | | | | | | | -2.5* | -2.5* |
| Black | 1975-90 | 1.2* | 1990-09 | -2.5* | | | | | | | | | -3.0* | -3.0* |
| | | | | 5.0 | | | | | | | | | 5.0 | 5.0 |
| SEER 13 Observed | , | | 19 | | | | | | | | | | | |
| All Races | | -2.8* | | | | | | | | | | | -2.8* | -2.8* |
| White | | -2.6* | | | | | | | | | | | -2.6* | -2.6* |
| White NH ^{ef} | | -2.6* | | | | | | | | | | | -2.6* | -2.6* |
| Black | | -3.5* | | | | | | | | | | | -3.5* | -3.5* |
| Black NH ^{ef} API ^e | | -3.5* | | | | | | | | | | | -3.5* | -3.5* |
| | | -3.3* | | | | | | | | | | | -3.3* | -3.3* |
| AI/AN ^{eg} | 1992-09 1992-09 | 0.9 -1.7* | | | | | | | | | | | 0.9 | 0.9 -1.7* |
| Hispanic ^f | | | | | | | | | | | | | -1.7* | -1./^ |
| U.S. Cancer Morta | | 2009 | | | | | | | | | | | | |
| All Races | | -0.4* | 1994-09 | -2.2* | | | | | | | | | -2.2* | -2.2* |
| White | | -0.7* | 1994-09 | -1.9* | | | | | | | | | -1.9* | -1.9* |
| Black | 1975-93 | 1.3* | 1993-09 | -3.2* | | | | | | | | | -3.2* | -3.2* |
| U.S. Cancer Morta | ality ^c , 1992-2 | 2009 | | | | | | | | | | | | |
| All Races | 1992-09 | -2.2* | | | | | | | | | | | -2.2* | -2.2* |
| White | 1992-09 | -1.9* | | | | | | | | | | | -1.9* | -1.9* |
| White NH ^{ef} | 1992-09 | -1.6* | | | | | | | | | | | -1.6* | -1.6* |
| Black | 1992-09 | -3.1* | | | | | | | | | | | -3.1* | -3.1* |
| Black NH ^{ef} | | -2.8* | | | | | | | | | | | -2.8* | -2.8* |
| API ^e | | -2.5* | | | | | | | | | | | -2.5* | -2.5* |
| AI/AN ^{eg} | | -2.5 | | | | | | | | | | | -2.5 | -2.5 |
| Hispanic ^f | 1992-09 | -3.1* | | | | | | | | | | | -3.1* | -3.1* |

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

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Table 12.2 Cancer of the Larynx (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints, Males by Race/Ethnicity

| | JP Trei | nd 1 | JP Trend 2 | | JP Tr | end 3 | JP Tre | end 4 | JP Trend 5 | | JP Trend 6 | | AAP | $^{\rm C^d}$ |
|--------------------------|----------------------------|------------------------|------------|-------|-------|-------|--------|-------|------------|-----|------------|-----|---------|--------------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| SEER 9 Delay-Adju | sted Inciden | nce ^a , 197 | 75-2009 | | | | | | | | | | | |
| All Races | 1975-87 | -0.2 | 1987-09 | -2.6* | | | | | | | | | -2.6* | -2.6* |
| White | 1975-85 | 0.2 | 1985-09 | -2.5* | | | | | | | | | -2.5* | -2.5* |
| Black | 1975-90 | 0.9 | 1990-09 | -2.7* | | | | | | | | | -2.7* | -2.7* |
| SEER 13 Delay-Adj | usted Incide | ence ^b , 19 | 92-2009 | | | | | | | | | | | |
| All Races | 1992-09 | -2.8* | | | | | | | | | | | -2.8* | -2.8* |
| White | 1992-09 | -2.6* | | | | | | | | | | | -2.6* | -2.6* |
| Black | 1992-09 | -3.2* | | | | | | | | | | | -3.2* | -3.2* |
| SEER 9 Observed I | ncidence ^a , 19 | 975-2009 |) | | | | | | | | | | | |
| All Races | 1975-87 | -0.2 | 1987-09 | -2.6* | | | | | | | | | -2.6* | -2.6* |
| White | 1975-85 | 0.3 | 1985-09 | -2.5* | | | | | | | | | -2.5* | -2.5* |
| Black | 1975-90 | 0.9 | 1990-09 | -2.8* | | | | | | | | | -2.8* | -2.8* |
| SEER 13 Observed | Incidence ^b , 1 | 1992-200 |)9 | | | | | | | | | | | |
| All Races | 1992-09 | -2.8* | | | | | | | | | | | -2.8* | -2.8* |
| White | 1992-09 | -2.7* | | | | | | | | | | | -2.7* | -2.7* |
| White NH ^{ef} | 1992-09 | -2.7* | | | | | | | | | | | -2.7* | -2.7* |
| Black | 1992-09 | -3.3* | | | | | | | | | | | -3.3* | -3.3* |
| Black NH ^{ef} | 1992-09 | -3.3* | | | | | | | | | | | -3.3* | -3.3* |
| API ^e | 1992-09 | -3.0* | | | | | | | | | | | -3.0* | -3.0* |
| AI/AN ^{eg} | 1992-09 | 1.6 | | | | | | | | | | | 1.6 | 1.6 |
| Hispanic ^f | 1992-09 | -1.7* | | | | | | | | | | | -1.7* | -1.7* |
| <u>U.S. Cancer Morta</u> | . / | 2009 | | | | | | | | | | | | |
| All Races | 1975-94 | -0.8* | 1994-09 | -2.5* | | | | | | | | | -2.5* | -2.5* |
| White | 1975-94 | -1.1* | 1994-09 | -2.2* | | | | | | | | | -2.2* | -2.2* |
| Black | 1975-93 | 1.3* | 1993-09 | -3.1* | | | | | | | | | -3.1* | -3.1* |
| <u>U.S. Cancer Morta</u> | | | | | | | | | | | | | | |
| All Races | 1992-09 | -2.4* | | | | | | | | | | | -2.4* | -2.4* |
| White | 1992-09 | -2.3* | | | | | | | | | | | -2.3* | -2.3* |
| White NH ^{ef} | 1992-09 | -2.0* | | | | | | | | | | | -2.0* | -2.0* |
| Black | 1992-09 | -3.0* | | | | | | | | | | | -3.0* | -3.0* |
| Black NH ^{ef} | 1992-09 | -2.6* | | | | | | | | | | | -2.6* | -2.6* |
| API ^e | 1992-09 | -1.9 | | | | | | | | | | | -1.9 | -1.9 |
| AI/AN ^{eg} | 1992-09 | -1.1 | | | | | | | | | | | -1.1 | -1.1 |
| Hispanic ^f | 1992-09 | -3.5* | | | | | | | | | | | -3.5* | -3.5* |

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

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Table 12.3 Cancer of the Larynx (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints, Females by Race/Ethnicity

| | JP Trend 1 | | JP Tre | end 2 | JP Tr | end 3 | JP Tre | end 4 | JP Tre | end 5 | JP Tre | end 6 | AAP | Cd |
|------------------------|----------------------------|------------------------|--------------|-------|-------|-------|--------|-------|--------|-------|--------|-------|---------|---------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| SEER 9 Delay-Adju | sted Incider | nce ^a , 197 | 75-2009 | | | | | | | | | | | |
| All Races | 1975-89 | 1.9* | 1989-09 | -2.6* | | | | | | | | | -2.6* | -2.6* |
| White | 1975-89 | 1.7* | 1989-09 | -2.4* | | | | | | | | | -2.4* | -2.4* |
| Black | 1975-89 | 4.0* | 1989-09 | -3.0* | | | | | | | | | -3.0* | -3.0* |
| SEER 13 Delay-Adj | iusted Incide | ence ^b , 19 | 992-2009 | | | | | | | | | | | |
| All Races | 1992-09 | -3.1* | | | | | | | | | | | -3.1* | -3.1* |
| White | 1992-94 | 7.7 | 1994-09 | -3.4* | | | | | | | | | -3.4* | -3.4* |
| Black | 1992-09 | -3.6* | | | | | | | | | | | -3.6* | -3.6* |
| SEER 9 Observed I | ncidence ^a . 1 | 975-2009 | 9 | | | | | | | | | | | |
| All Races | 1975-89 | 1.9* | _ 1989-09 | -2.7* | | | | | | | | | -2.7* | -2.7* |
| White | 1975-89 | 1.7* | 1989-09 | -2.5* | | | | | | | | | -2.5* | -2.5* |
| Black | 1975-89 | 4.0* | 1989-09 | -3.1* | | | | | | | | | -3.1* | -3.1* |
| SEER 13 Observed | Incidence ^b . | 1992-200 | 19 | | | | | | | | | | | |
| All Races | 1992-09 | -3.2* | <u></u> | | | | | | | | | | -3.2* | -3.2* |
| White | 1992-94 | 7.8 | 1994-09 | -3.4* | | | | | | | | | -3.4* | -3.4* |
| White NH ^{ef} | 1992-09 | -2.7* | | | | | | | | | | | -2.7* | -2.7* |
| Black | 1992-09 | -3.7* | | | | | | | | | | | -3.7* | -3.7* |
| Black NH ^{ef} | 1992-09 | -3.8* | | | | | | | | | | | -3.8* | -3.8* |
| API ^e | 1992-09 | -4.6* | | | | | | | | | | | -4.6* | -4.6* |
| AI/AN ^{eg} | - | - | | | | | | | | | | | - | - |
| Hispanic ^f | 1992-09 | -2.4 | | | | | | | | | | | -2.4 | -2.4 |
| U.S. Cancer Morta | ality ^c , 1975- | 2009 | | | | | | | | | | | | |
| All Races | 1975-92 | 1.5* | 1992-09 | -1.9* | | | | | | | | | -1.9* | -1.9* |
| White | 1975-92 | 1.4* | 1992-09 | -1.6* | | | | | | | | | -1.6* | -1.6* |
| Black | 1975-93 | 2.3* | 1993-09 | -3.2* | | | | | | | | | -3.2* | -3.2* |
| U.S. Cancer Morta | ality ^c , 1992- | 2009 | | | | | | | | | | | | |
| All Races | 1992-09 | -1.9* | | | | | | | | | | | -1.9* | -1.9* |
| White | 1992-09 | -1.6* | | | | | | | | | | | -1.6* | -1.6* |
| White NH ^{ef} | 1992-09 | -1.2* | | | | | | | | | | | -1.2* | -1.2* |
| Black | 1992-09 | -3.1* | | | | | | | | | | | -3.1* | -3.1* |
| Black NH ^{ef} | 1992-09 | -2.7* | | | | | | | | | | | -2.7* | -2.7* |
| API ^e | 1992-09 | -4.4* | | | | | | | | | | | -4.4* | -4.4* |
| AI/AN ^{eg} | - | - | | | | | | | | | | | - | - |
| Hispanic ^f | 1992-09 | -3.6* | | | | | | | | | | | -3.6* | -3.6* |

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

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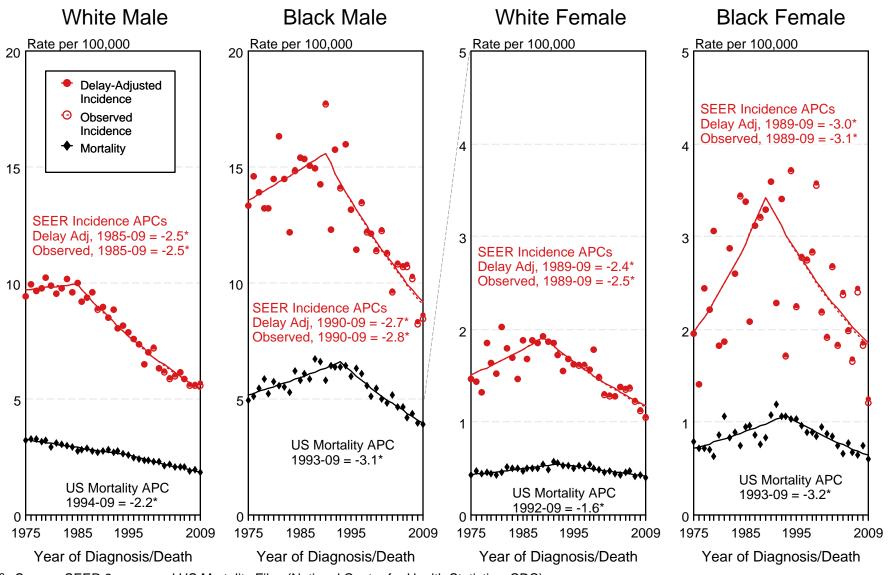
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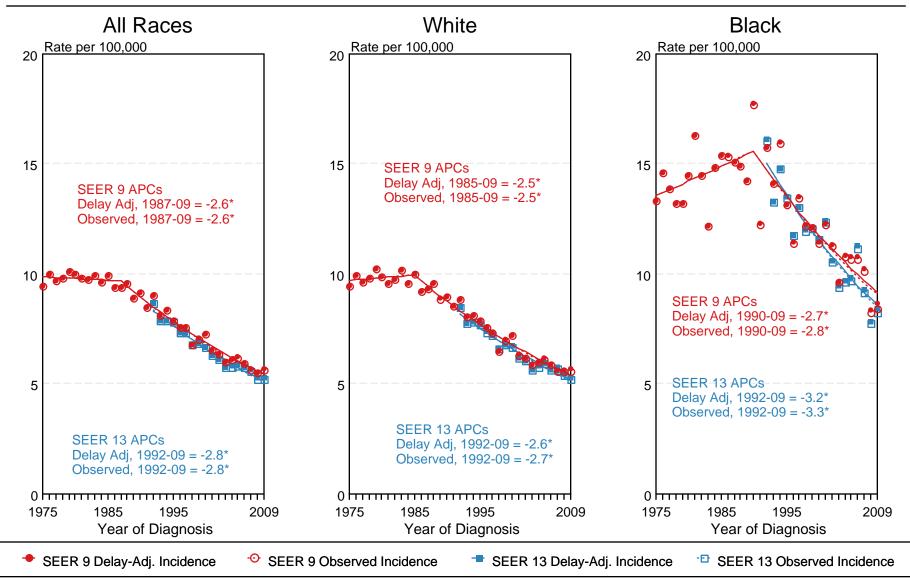
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SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates^a Cancer of the Larynx, by Race and Sex



 ^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 and SEER Delay Adjusted Incidence Rates^a SEER 9 Areas Compared to SEER 13 Areas Cancer of the Larynx, Male, by Race

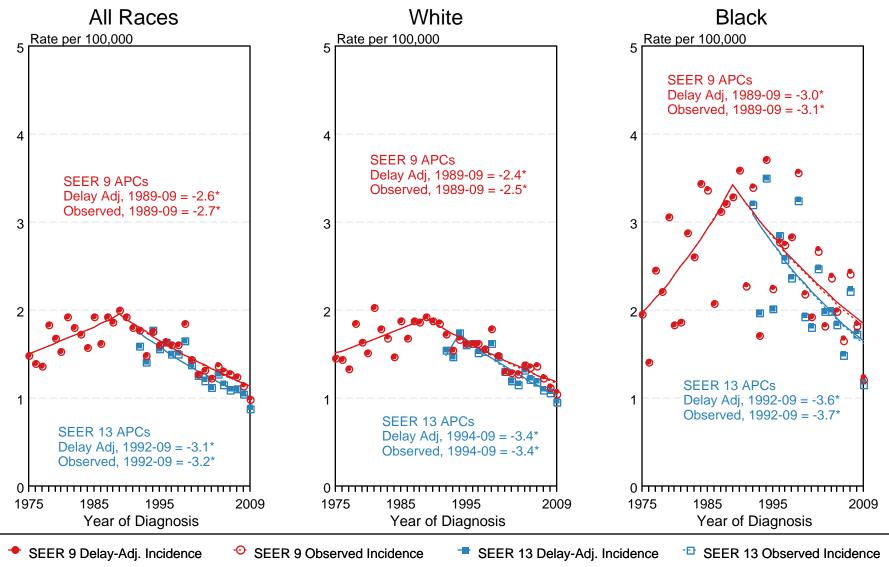


^a Source: SEER 9 areas and SEER 13 areas.

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.

SEER Observed Incidence and SEER Delay Adjusted Incidence Rates^a SEER 9 Areas Compared to SEER 13 Areas Cancer of the Larynx, Female, by Race



^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).

Table 13.1 Leukemia

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints, Both Sexes by Race/Ethnicity

| | JP Trend 1 | | JP Tre | end 2 | JP Tre | end 3 | JP Tr | end 4 | JP Tre | end 5 | JP Tr | end 6 | AAF | Cq |
|--------------------------|---------------------------|------------------------|---------|-------|---------|-------|---------|-------|---------|-------|-------|-------|---------|---------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| <u>SEER 9 Delay-Adju</u> | sted Incider | nce ^a , 197 | 5-2009 | | | | | | | | | | | |
| All Races | 1975-09 | 0.3* | | | | | | | | | | | 0.3* | 0.3* |
| White | 1975-09 | 0.4* | | | | | | | | | | | 0.4* | 0.4* |
| Black | 1975-09 | 0.0 | | | | | | | | | | | 0.0 | 0.0 |
| <u>SEER 13 Delay-Adj</u> | usted Incide | ence ^b , 19 | 92-2009 | | | | | | | | | | | |
| All Races | 1992-09 | 0.4* | | | | | | | | | | | 0.4* | 0.4* |
| White | 1992-09 | 0.5* | | | | | | | | | | | 0.5* | 0.5* |
| Black | 1992-09 | 0.4 | | | | | | | | | | | 0.4 | 0.4 |
| SEER 9 Observed In | ncidence ^a , 1 | 975-2009 | - | | | | | | | | | | | |
| All Races | 1975-04 | 0.2* | 2004-09 | -1.3 | | | | | | | | | -0.6 | -1.3 |
| White | 1975-05 | 0.3* | 2005-09 | -2.0 | | | | | | | | | -0.8 | -2.0 |
| Black | 1975-09 | -0.2 | | | | | | | | | | | -0.2 | -0.2 |
| SEER 13 Observed | Incidence ^b , | 1992-200 | 19 | | | | | | | | | | | |
| All Races | 1992-09 | -0.1 | | | | | | | | | | | -0.1 | -0.1 |
| White | 1992-09 | -0.1 | | | | | | | | | | | -0.1 | -0.1 |
| White NH ^{ef} | 1992-09 | 0.0 | | | | | | | | | | | 0.0 | 0.0 |
| Black | 1992-09 | -0.3 | | | | | | | | | | | -0.3 | -0.3 |
| Black NH ^{ef} | 1992-09 | -0.3 | | | | | | | | | | | -0.3 | -0.3 |
| API ^e | 1992-09 | -0.4 | | | | | | | | | | | -0.4 | -0.4 |
| AI/AN ^{eg} | 1992-09 | 2.1 | | | | | | | | | | | 2.1 | 2.1 |
| Hispanic ^f | 1992-09 | 0.1 | | | | | | | | | | | 0.1 | 0.1 |
| U.S. Cancer Morta | lity ^c , 1975- | 2009 | | | | | | | | | | | | |
| All Races | 1975-80 | 0.6 | 1980-88 | -0.6* | 1988-91 | 0.7 | 1991-01 | -0.6* | 2001-09 | -1.1* | | | -1.0* | -1.1* |
| White | 1975-00 | -0.3* | 2000-09 | -1.0* | | | | | | | | | -1.0* | -1.0* |
| Black | 1975-91 | 0.7* | 1991-09 | -1.1* | | | | | | | | | -1.1* | -1.1* |
| U.S. Cancer Morta | lity ^c , 1992- | 2009 | | | | | | | | | | | | |
| All Races | 1992-01 | -0.6* | 2001-09 | -1.1* | | | | | | | | | -1.0* | -1.1* |
| White | 1992-01 | -0.4* | 2001-09 | -1.0* | | | | | | | | | -0.9* | -1.0* |
| White NH ^{ef} | 1992-09 | -0.6* | | | | | | | | | | | -0.6* | -0.6* |
| Black | 1992-09 | -1.1* | | | | | | | | | | | -1.1* | -1.1* |
| Black NH ^{ef} | 1992-09 | -0.9* | | | | | | | | | | | -0.9* | -0.9* |
| API ^e | 1992-09 | -1.1* | | | | | | | | | | | -1.1* | -1.1* |
| AI/AN ^{eg} | 1992-09 | -0.4 | | | | | | | | | | | -0.4 | -0.4 |
| Hispanic ^f | 1992-97 | 1.5 | 1997-09 | -1.5* | | | | | | | | | -1.5* | -1.5* |
| | | | | | | | | | | | | | | |

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

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Table 13.2 Leukemia

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints, Males by Race/Ethnicity

| | JP Tre | nd 1 | JP Trend 2 | | JP Tre | end 3 | JP Tre | end 4 | JP Trend 5 | | JP Trend 6 | | AAE | PC ^d |
|---------------------------|---------------------------|------------------------|------------|-------|--------|-------|--------|-------|------------|-----|------------|-----|---------|-----------------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| <u>SEER 9 Delay-Adjus</u> | ted Incider | nce ^a , 197 | 5-2009 | | | | | | | | | | | |
| All Races | 1975-09 | 0.2* | | | | | | | | | | | 0.2* | 0.2* |
| White | 1975-09 | 0.3* | | | | | | | | | | | 0.3* | 0.3* |
| Black | 1975-09 | 0.1 | | | | | | | | | | | 0.1 | 0.1 |
| SEER 13 Delay-Adju | sted Incide | ence ^b , 19 | 92-2009 | | | | | | | | | | | |
| All Races | 1992-09 | 0.2 | | | | | | | | | | | 0.2 | 0.2 |
| White | 1992-09 | 0.3* | | | | | | | | | | | 0.3* | 0.3* |
| Black | 1992-09 | 0.6 | | | | | | | | | | | 0.6 | 0.6 |
| SEER 9 Observed In | ncidence ^a , 1 | .975-2009 | | | | | | | | | | | | |
| All Races | 1975-04 | 0.1 | 2004-09 | -1.6 | | | | | | | | | -0.8 | -1.6 |
| White | 1975-05 | 0.1* | 2005-09 | -2.3 | | | | | | | | | -0.9 | -2.3 |
| Black | 1975-09 | -0.2 | | | | | | | | | | | -0.2 | -0.2 |
| SEER 13 Observed I | ncidence ^b , | 1992-200 | 9 | | | | | | | | | | | |
| All Races | 1992-09 | -0.3* | | | | | | | | | | | -0.3* | -0.3* |
| White | 1992-09 | -0.3* | | | | | | | | | | | -0.3* | -0.3* |
| White NH ^{ef} | 1992-09 | -0.2 | | | | | | | | | | | -0.2 | -0.2 |
| Black | 1992-09 | 0.0 | | | | | | | | | | | 0.0 | 0.0 |
| Black NH ^{ef} | 1992-09 | 0.0 | | | | | | | | | | | 0.0 | 0.0 |
| API ^e | 1992-09 | -0.5 | | | | | | | | | | | -0.5 | -0.5 |
| AI/AN ^{eg} | 1992-09 | 2.4 | | | | | | | | | | | 2.4 | 2.4 |
| Hispanic ^f | 1992-09 | -0.2 | | | | | | | | | | | -0.2 | -0.2 |
| U.S. Cancer Mortal | ity ^c , 1975- | 2009 | | | | | | | | | | | | |
| All Races | 1975-95 | -0.2* | 1995-09 | -0.8* | | | | | | | | | -0.8* | -0.8* |
| White | 1975-96 | -0.2* | 1996-09 | -0.7* | | | | | | | | | -0.7* | -0.7* |
| Black | 1975-90 | 1.0* | 1990-09 | -1.0* | | | | | | | | | -1.0* | -1.0* |
| U.S. Cancer Mortal | | | | | | | | | | | | | | |
| All Races | 1992-09 | -0.8* | | | | | | | | | | | -0.8* | -0.8* |
| White | 1992-09 | -0.7* | | | | | | | | | | | -0.7* | -0.7* |
| White NH ^{ef} | 1992-09 | -0.6* | | | | | | | | | | | -0.6* | -0.6* |
| Black | 1992-09 | -1.0* | | | | | | | | | | | -1.0* | -1.0* |
| Black NH ^{ef} | 1992-09 | -0.8* | | | | | | | | | | | -0.8* | -0.8* |
| API ^e | 1992-09 | -1.1* | | | | | | | | | | | -1.1* | -1.1* |
| AI/AN ^{eg} | 1992-09 | 0.0 | | | | | | | | | | | 0.0 | 0.0 |
| Hispanic ^f | 1992-97 | 2.5 | 1997-09 | -1.8* | | | | | | | | | -1.8* | -1.8* |

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

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Table 13.3 Leukemia

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints, Females by Race/Ethnicity

| | JP Tre | end 1 | JP Trend 2 | | JP Tre | end 3 | JP Tr | end 4 | JP Tre | end 5 | JP Tr | end 6 | AAF | APC ^d | |
|------------------------|---------------------------|------------------------|------------|-------|---------|-------|-------|-------|--------|-------|-------|-------|---------|------------------|--|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 | |
| SEER 9 Delay-Adjus | sted Incide | nce ^a , 197 | 25-2009 | | | | | | | | | | | | |
| All Races | 1975-09 | 0.3* | | | | | | | | | | | 0.3* | 0.3* | |
| White | 1975-09 | 0.5* | | | | | | | | | | | 0.5* | 0.5* | |
| Black | 1975-09 | 0.0 | | | | | | | | | | | 0.0 | 0.0 | |
| SEER 13 Delay-Adju | usted Incide | ence ^b , 19 | 92-2009 | | | | | | | | | | | | |
| All Races | 1992-09 | 0.5* | | | | | | | | | | | 0.5* | 0.5* | |
| White | 1992-09 | 0.6* | | | | | | | | | | | 0.6* | 0.6* | |
| Black | 1992-09 | 0.2 | | | | | | | | | | | 0.2 | 0.2 | |
| SEER 9 Observed Ir | ncidence ^a , 1 | L975-2009 |) | | | | | | | | | | | | |
| All Races | 1975-09 | 0.1 | - | | | | | | | | | | 0.1 | 0.1 | |
| White | 1975-09 | 0.2* | | | | | | | | | | | 0.2* | 0.2* | |
| Black | 1975-09 | -0.3 | | | | | | | | | | | -0.3 | -0.3 | |
| SEER 13 Observed 1 | Incidence ^b , | 1992-200 | 19 | | | | | | | | | | | | |
| All Races | 1992-09 | 0.0 | | | | | | | | | | | 0.0 | 0.0 | |
| White | 1992-09 | 0.0 | | | | | | | | | | | 0.0 | 0.0 | |
| White NH ^{ef} | 1992-09 | 0.1 | | | | | | | | | | | 0.1 | 0.1 | |
| Black | 1992-09 | -0.4 | | | | | | | | | | | -0.4 | -0.4 | |
| Black NH ^{ef} | 1992-09 | -0.4 | | | | | | | | | | | -0.4 | -0.4 | |
| API ^e | 1992-09 | 0.0 | | | | | | | | | | | 0.0 | 0.0 | |
| AI/AN ^{eg} | 1992-09 | 2.3 | | | | | | | | | | | 2.3 | 2.3 | |
| Hispanic ^f | 1992-09 | 0.3 | | | | | | | | | | | 0.3 | 0.3 | |
| U.S. Cancer Mortal | lity ^c , 1975- | -2009 | | | | | | | | | | | | | |
| All Races | 1975-80 | 0.8 | 1980-00 | -0.4* | 2000-09 | -1.5* | | | | | | | -1.5* | -1.5* | |
| White | 1975-80 | 0.6 | 1980-00 | -0.4* | 2000-09 | -1.3* | | | | | | | -1.3* | -1.3* | |
| Black | 1975-93 | 0.4 | 1993-09 | -1.2* | | | | | | | | | -1.2* | -1.2* | |
| U.S. Cancer Mortal | lity ^c , 1992- | -2009 | | | | | | | | | | | | | |
| All Races | 1992-00 | -0.5* | 2000-09 | -1.4* | | | | | | | | | -1.4* | -1.4* | |
| White | 1992-00 | -0.4 | 2000-09 | -1.3* | | | | | | | | | -1.3* | -1.3* | |
| White NH ^{ef} | 1992-01 | -0.4* | 2001-09 | -1.4* | | | | | | | | | -1.3* | -1.4* | |
| Black | 1992-09 | -1.1* | | | | | | | | | | | -1.1* | -1.1* | |
| Black NH ^{ef} | 1992-09 | -1.0* | | | | | | | | | | | -1.0* | -1.0* | |
| API ^e | 1992-09 | -1.0 | | | | | | | | | | | -1.0 | -1.0 | |
| AI/AN ^{eg} | 1992-09 | -1.2 | | | | | | | | | | | -1.2 | -1.2 | |
| Hispanic ^f | 1992-09 | -0.9* | | | | | | | | | | | -0.9* | -0.9* | |

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

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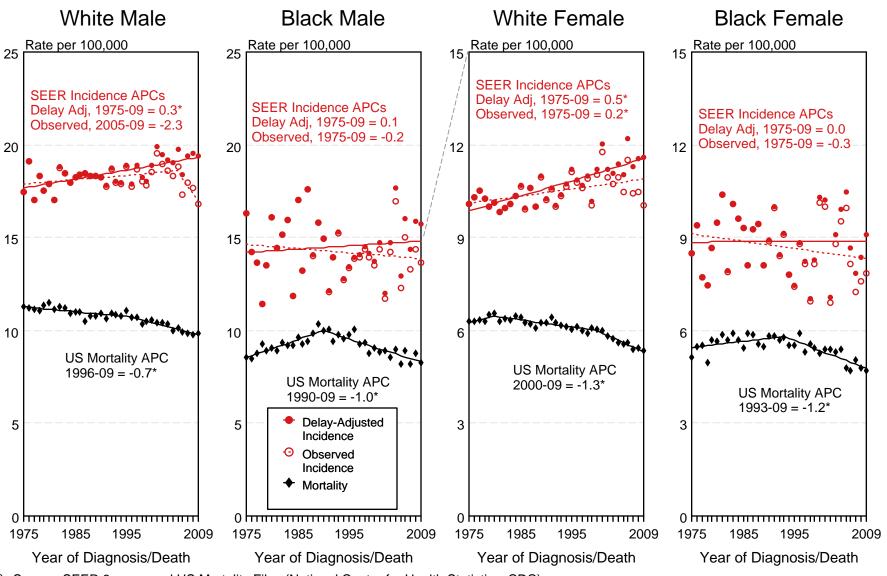
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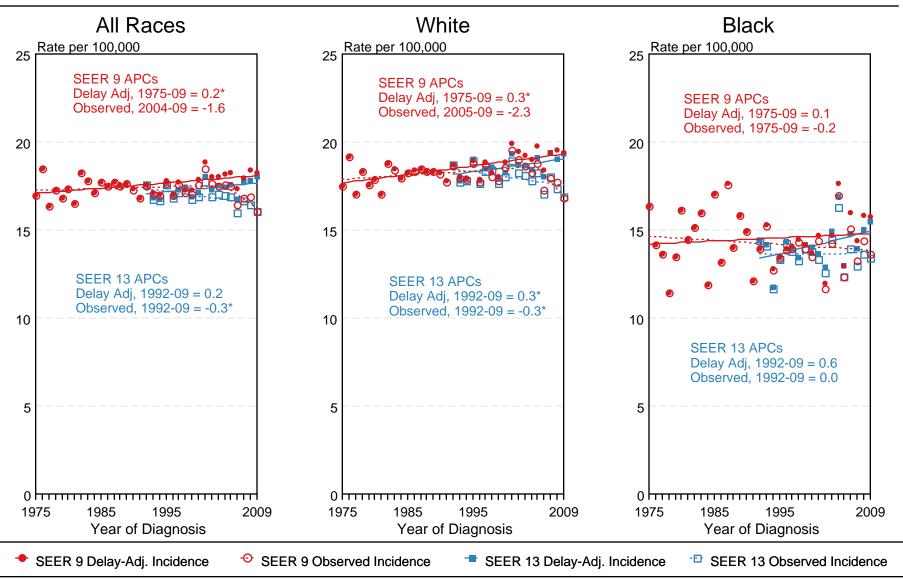
SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates^a Leukemia, by Race and Sex



^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 and SEER Delay Adjusted Incidence Rates^a SEER 9 Areas Compared to SEER 13 Areas Leukemia, Male, by Race



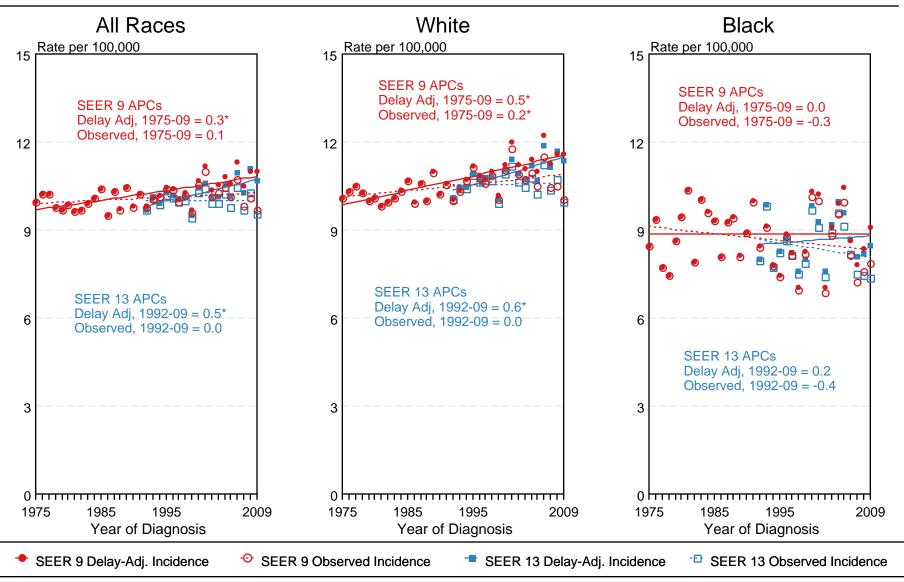
^a Source: SEER 9 areas and SEER 13 areas.

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.

National Cancer Institute

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



^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.

Table 14.1 Cancer of the Liver and Intrahepatic Bile Duct (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints, Both Sexes by Race/Ethnicity

| | JP Tre | nd 1 | JP Tre | and 2 | JP Tre | and 3 | JP Tre | nd 4 | JP Tre | nd 5 | JP Tr | end 6 | AAF | Cd |
|---------------------------|--------------------------|----------------------------------|----------|-------|---------|-------|---------|-------|---------|------|-------|-------|---------|-------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | - |
| SEER 9 Delay-Adjus | ted Incide | 10e ^a 19 [°] | 75-2009 | | | | | | | | | | | |
| All Races | 1975-84 | 1.3 | 1984-98 | 4.8* | 1998-01 | 0.1 | 2001-09 | 4.7* | | | | | 4.2* | 4.7* |
| White | 1975-87 | 1.6* | 1987-98 | 5.4* | 1998-01 | -1.1 | 2001-09 | 5.0* | | | | | 4.3* | 5.0* |
| Black | 1975-02 | 2.9* | 2002-09 | 6.1* | | | | | | | | | 5.4* | 6.1* |
| <u>SEER 13 Delay-Adju</u> | atod Traid | ongo ^b 10 | 002-2000 | | | | | | | | | | | |
| All Races | 1992-99 | 5.1* | 1999-02 | 0.5 | 2002-09 | 4.5* | | | | | | | 3.6* | 4.5* |
| White | 1992-99 | 5.6* | 1999-02 | -0.7 | 2002-09 | 5.3* | | | | | | | 3.9* | 5.3* |
| Black | 1992-09 | 4.3* | 1999 02 | 0.7 | 2002 09 | 5.5 | | | | | | | 4.3* | 4.3* |
| | | | | | | | | | | | | | 1.5 | 1.5 |
| SEER 9 Observed In | | | - | 4 0 * | 1000 01 | 0 0 | 0001 00 | 4 2 + | | | | | 2 0 * | 4 2 + |
| All Races | 1975-84 | 1.3 | 1984-98 | 4.8* | 1998-01 | 0.3 | 2001-09 | 4.3* | | | | | 3.9* | 4.3* |
| White | 1975-87 | 1.6* | 1987-98 | 5.4* | 1998-01 | -0.9 | 2001-09 | 4.6* | | | | | 4.0* | 4.6* |
| Black | 1975-82 | -1.1 | 1982-09 | 3.9* | | | | | | | | | 3.9* | 3.9* |
| <u>SEER 13 Observed I</u> | ncidence ^b , | 1992-200 |)9 | | | | | | | | | | | |
| All Races | 1992-09 | 3.5* | | | | | | | | | | | 3.5* | 3.5* |
| White | 1992-99 | 5.6* | 1999-02 | -0.5 | 2002-09 | 4.8* | | | | | | | 3.6* | 4.8* |
| White NH ^{ef} | 1992-99 | 5.4* | 1999-02 | -1.8 | 2002-09 | 4.9* | | | | | | | 3.4* | 4.9* |
| Black | 1992-09 | 4.1* | | | | | | | | | | | 4.1* | 4.1* |
| Black NH ^{ef} | 1992-09 | 4.2* | | | | | | | | | | | 4.2* | 4.2* |
| API ^e | 1992-09 | 0.8* | | | | | | | | | | | 0.8* | 0.8* |
| AI/AN ^{eg} | 1992-09 | 3.0* | | | | | | | | | | | 3.0* | 3.0* |
| Hispanic ^f | 1992-09 | 3.1* | | | | | | | | | | | 3.1* | 3.1* |
| U.S. Cancer Mortal | itv ^c , 1975- | 2009 | | | | | | | | | | | | |
| All Races | 1975-80 | 0.2 | 1980-87 | 2.0* | 1987-96 | 3.8* | 1996-99 | 0.4 | 1999-09 | 2.3* | | | 2.3* | 2.3* |
| White | 1975-78 | -1.2 | 1978-87 | 1.7* | 1987-96 | 3.9* | 1996-00 | 0.8 | 2000-09 | 2.5* | | | 2.5* | 2.5* |
| Black | 1975-88 | 0.8* | 1988-95 | 3.2* | 1995-00 | 0.3 | 2000-09 | 2.7* | | | | | 2.7* | 2.7* |
| U.S. Cancer Mortal | i+1002_ | 2000 | | | | | | | | | | | | |
| All Races | 1992-96 | 3.5* | 1996-99 | 0.5 | 1999-09 | 2.3* | | | | | | | 2.3* | 2.3* |
| White | 1992-96 | 3.4* | 1996-00 | 0.9 | 2000-09 | 2.5* | | | | | | | 2.5* | 2.5* |
| White NH ^{ef} | 1992-96 | 3.5* | 1996-00 | 0.5 | 2000-09 | 2.4* | | | | | | | 2.4* | 2.4* |
| Black | 1992-09 | 2.0* | 1990 00 | 0.5 | 2000 09 | 2.1 | | | | | | | 2.0* | 2.0* |
| Black NH ^{ef} | 1992-09 | 2.2* | | | | | | | | | | | 2.2* | 2.2* |
| API ^e | 1992-09 | -0.8* | | | | | | | | | | | -0.8* | -0.8* |
| AI/AN ^{eg} | 1992-09 | 1.7* | | | | | | | | | | | 1.7* | 1.7* |
| Hispanic ^f | 1992-09 | 1.6* | | | | | | | | | | | 1.6* | 1.6* |
| | 1772 07 | ±.0 | | | | | | | | | | | ±.v | ±.v |

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

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Table 14.2 Cancer of the Liver and Intrahepatic Bile Duct (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints, Males by Race/Ethnicity

| | JP Tre | nd 1 | JP Tre | nd 2 | JP Tre | nd 3 | JP Tre | end 4 | JP Tre | end 5 | JP Tr | end 6 | AAF | PC^{d} |
|------------------------|----------------------------|------------------------------------|----------|------|---------|------|---------|-------|--------|-------|-------|-------|---------|----------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| SEER 9 Delay-Adju | sted Incider | nce ^a . 19 [°] | 75-2009 | | | | | | | | | | | |
| All Races | 1975-84 | 2.2* | 1984-09 | 3.9* | | | | | | | | | 3.9* | 3.9* |
| White | 1975-84 | 1.7 | 1984-09 | 4.0* | | | | | | | | | 4.0* | 4.0* |
| Black | 1975-02 | 3.2* | 2002-09 | 6.6* | | | | | | | | | 5.8* | 6.6* |
| SEER 13 Delay-Adj | justed Incide | ence ^b 10 | 992-2009 | | | | | | | | | | | |
| All Races | 1992-09 | 3.7* | <u> </u> | | | | | | | | | | 3.7* | 3.7* |
| White | 1992-09 | 3.9* | | | | | | | | | | | 3.9* | 3.9* |
| Black | 1992-09 | 4.8* | | | | | | | | | | | 4.8* | 4.8* |
| SEER 9 Observed I | Incidence ^a 1 | 975-2000 | 9 | | | | | | | | | | | |
| All Races | 1975-09 | 3.7* | 2 | | | | | | | | | | 3.7* | 3.7* |
| White | 1975-84 | 1.8 | 1984-09 | 4.0* | | | | | | | | | 4.0* | 4.0* |
| Black | 1975-09 | 3.8* | 1901 09 | 110 | | | | | | | | | 3.8* | 3.8* |
| SEER 13 Observed | Incidence ^b | 1992-200 | 19 | | | | | | | | | | | |
| All Races | 1992-09 | 3.5* | <u> </u> | | | | | | | | | | 3.5* | 3.5* |
| White | 1992-09 | 3.7* | | | | | | | | | | | 3.7* | 3.7* |
| White NH ^{ef} | 1992-09 | 3.5* | | | | | | | | | | | 3.5* | 3.5* |
| Black | 1992-09 | 4.6* | | | | | | | | | | | 4.6* | 4.6* |
| Black NH ^{ef} | 1992-09 | 4.7* | | | | | | | | | | | 4.7* | 4.7* |
| API ^e | 1992-09 | 1.0* | | | | | | | | | | | 1.0* | 1.0* |
| AI/AN ^{eg} | 1992-09 | 4.1* | | | | | | | | | | | 4.1* | 4.1* |
| Hispanic ^f | 1992-09 | 2.9* | | | | | | | | | | | 2.9* | 2.9* |
| U.S. Cancer Morta | alitv ^c . 1975- | 2009 | | | | | | | | | | | | |
| All Races | 1975-85 | 1.5* | 1985-96 | 3.8* | 1996-99 | 0.5 | 1999-09 | 2.6* | | | | | 2.6* | 2.6* |
| White | 1975-85 | 1.4* | 1985-96 | 3.9* | 1996-99 | 0.5 | 1999-09 | 2.6* | | | | | 2.6* | 2.6* |
| Black | 1975-01 | 1.6* | 2001-09 | 3.5* | | | | | | | | | 3.3* | 3.5* |
| U.S. Cancer Morta | ality ^c 1992- | 2009 | | | | | | | | | | | | |
| All Races | 1992-09 | 2.3* | | | | | | | | | | | 2.3* | 2.3* |
| White | 1992-09 | 2.3* | | | | | | | | | | | 2.3* | 2.3* |
| White NH ^{ef} | 1992-96 | 3.5* | 1996-99 | 0.6 | 1999-07 | 2.3* | 2007-09 | 4.3* | | | | | 2.8* | 3.3* |
| Black | 1992-09 | 2.5* | | | | | | | | | | | 2.5* | 2.5* |
| Black NH ^{ef} | 1992-09 | 2.7* | | | | | | | | | | | 2.7* | 2.7* |
| API ^e | 1992-09 | -0.9* | | | | | | | | | | | -0.9* | -0.9* |
| AI/AN ^{eg} | 1992-09 | 1.8* | | | | | | | | | | | 1.8* | 1.8* |
| Hispanic ^f | 1992-09 | 1.4* | | | | | | | | | | | 1.4* | 1.4* |
| | | | | | | | | | | | | | | |

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, SC, 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.

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Table 14.3

Cancer of the Liver and Intrahepatic Bile Duct (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints,

Females by Race/Ethnicity

| | JP Tre | | JP Tre | | JP Tre | | JP Tre | | JP Tre | | JP Tre | | AAI | - |
|---------------------------|---------------------------|------------------------|-----------|------|---------|------|---------|------|--------|-----|--------|-----|---------|---------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| SEER 9 Delay-Adjus | sted Incider | nce ^a , 197 | 75-2009 | | | | | | | | | | | |
| All Races | 1975-83 | 0.5 | 1983-99 | 4.3* | 1999-02 | -1.5 | 2002-09 | 4.3* | | | | | 3.0 | 4.3* |
| White | 1975-85 | 0.8 | 1985-99 | 4.1* | 1999-02 | -2.9 | 2002-09 | 4.5* | | | | | 2.8 | 4.5* |
| Black | 1975-09 | 2.8* | | | | | | | | | | | 2.8* | 2.8* |
| <u>SEER 13 Delay-Adju</u> | sted Incide | ence ^b , 19 | 992-2009 | | | | | | | | | | | |
| All Races | 1992-09 | 3.0* | | | | | | | | | | | 3.0* | 3.0* |
| White | 1992-99 | 6.2* | 1999-03 | -2.0 | 2003-09 | 5.2* | | | | | | | 2.7* | 5.2* |
| Black | 1992-09 | 3.0* | | | | | | | | | | | 3.0* | 3.0* |
| <u>SEER 9 Observed Ir</u> | ncidence ^a , 1 | 975-2009 | <u>)</u> | | | | | | | | | | | |
| All Races | 1975-83 | 0.6 | 1983-97 | 4.2* | 1997-09 | 2.3* | | | | | | | 2.3* | 2.3* |
| White | 1975-85 | 0.8 | 1985-99 | 4.1* | 1999-02 | -2.7 | 2002-09 | 4.0* | | | | | 2.5 | 4.0* |
| Black | 1975-09 | 2.7* | | | | | | | | | | | 2.7* | 2.7* |
| SEER 13 Observed 1 | Incidence ^b , | 1992-200 | <u>)9</u> | | | | | | | | | | | |
| All Races | 1992-09 | 2.8* | | | | | | | | | | | 2.8* | 2.8* |
| White | 1992-99 | 6.1* | 1999-03 | -1.9 | 2003-09 | 4.5* | | | | | | | 2.3* | 4.5* |
| White NH ^{ef} | 1992-98 | 6.4* | 1998-04 | -1.1 | 2004-09 | 4.9* | | | | | | | 2.2* | 4.9* |
| Black | 1992-09 | 2.8* | | | | | | | | | | | 2.8* | 2.8* |
| Black NH ^{ef} | 1992-09 | 2.9* | | | | | | | | | | | 2.9* | 2.9* |
| API ^e | 1992-09 | 0.6 | | | | | | | | | | | 0.6 | 0.6 |
| AI/AN ^{eg} | 1992-09 | 1.3 | | | | | | | | | | | 1.3 | 1.3 |
| Hispanic ^f | 1992-09 | 2.7* | | | | | | | | | | | 2.7* | 2.7* |
| U.S. Cancer Mortal | lity ^c , 1975- | 2009 | | | | | | | | | | | | |
| All Races | 1975-87 | 0.8* | 1987-95 | 3.8* | 1995-00 | 0.4 | 2000-09 | 1.5* | | | | | 1.5* | 1.5* |
| White | 1975-87 | 0.6* | 1987-96 | 3.5* | 1996-00 | -0.4 | 2000-09 | 1.7* | | | | | 1.7* | 1.7* |
| Black | 1975-95 | 2.0* | 1995-09 | 0.7* | | | | | | | | | 0.7* | 0.7* |
| U.S. Cancer Mortal | lity ^c , 1992- | 2009 | | | | | | | | | | | | |
| All Races | 1992-09 | 1.3* | | | | | | | | | | | 1.3* | 1.3* |
| White | 1992-96 | 3.1* | 1996-00 | -0.3 | 2000-09 | 1.7* | | | | | | | 1.7* | 1.7* |
| White NH ^{ef} | 1992-96 | 3.4* | 1996-99 | -1.4 | 1999-09 | 1.4* | | | | | | | 1.4* | 1.4* |
| Black | 1992-09 | 0.8* | | | | | | | | | | | 0.8* | 0.8* |
| Black NH ^{ef} | 1992-09 | 1.0* | | | | | | | | | | | 1.0* | 1.0* |
| API ^e | 1992-09 | -0.8 | | | | | | | | | | | -0.8 | -0.8 |
| AI/AN ^{eg} | 1992-09 | 1.2 | | | | | | | | | | | 1.2 | 1.2 |
| Hispanic ^f | 1992-09 | 1.3* | | | | | | | | | | | 1.3* | 1.3* |
| _ | | | | | | | | | | | | | | |

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

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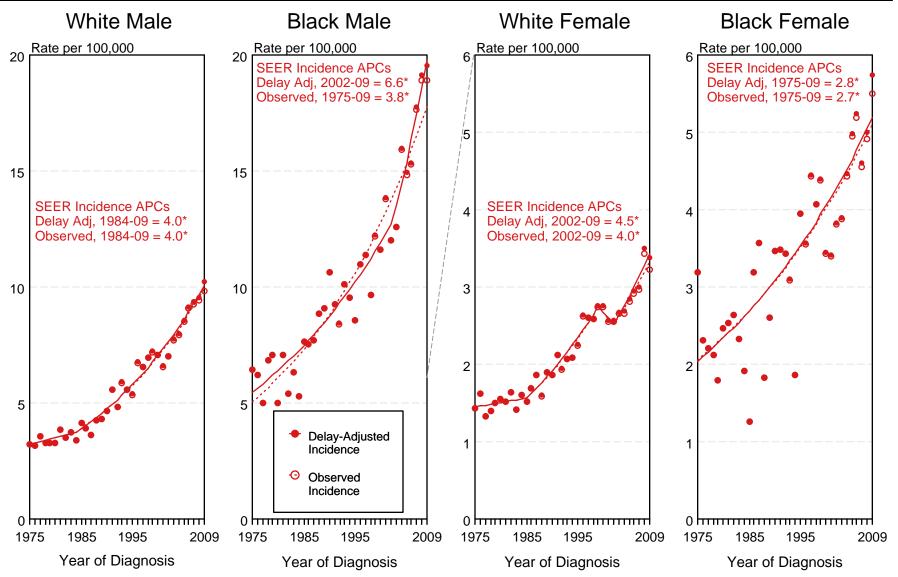
С

d

f

g

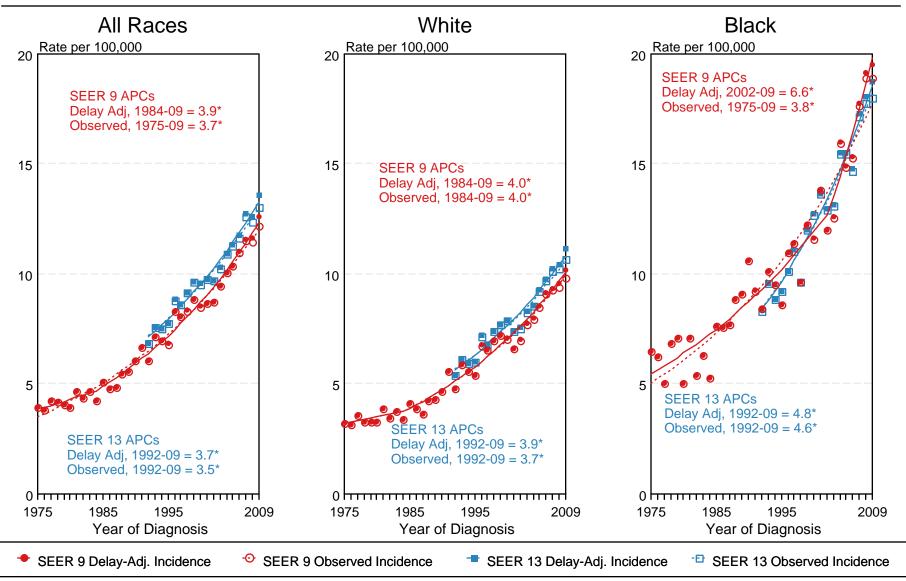
SEER Observed Incidence and Delay Adjusted Incidence Rates ^a Cancer of the Liver and Intrahepatic Bile Duct, by Race and Sex



^a Source: SEER 9 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).

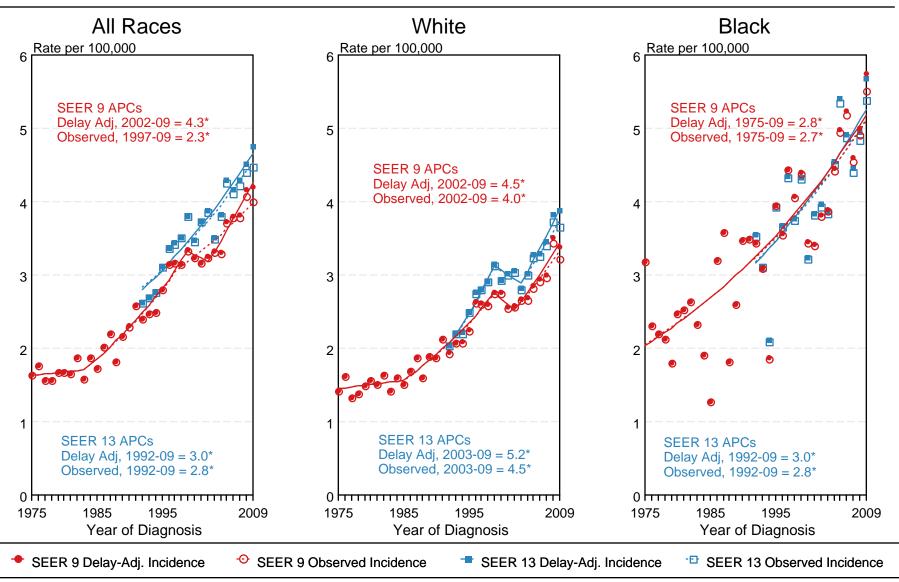
SEER Observed Incidence and SEER Delay Adjusted Incidence Rates^a SEER 9 Areas Compared to SEER 13 Areas Cancer of the Liver and Intrahepatic Bile Duct, Male, by Race



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.

SEER Observed Incidence and SEER Delay Adjusted Incidence Rates^a SEER 9 Areas Compared to SEER 13 Areas Cancer of the Liver and Intrahepatic Bile Duct, Female, by Race



^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).

Table 15.1 Cancer of the Lung and Bronchus (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints, Both Sexes by Race/Ethnicity

| Vears APC Vears APC <th< th=""><th></th><th>JP Tre</th><th>nd 1</th><th>JP Tre</th><th>end 2</th><th>JP Tr</th><th>end 3</th><th>JP Tre</th><th>end 4</th><th>JP Tre</th><th>end 5</th><th>JP Tre</th><th>end 6</th><th>AAE</th><th>2C^d</th></th<> | | JP Tre | nd 1 | JP Tre | end 2 | JP Tr | end 3 | JP Tre | end 4 | JP Tre | end 5 | JP Tre | end 6 | AAE | 2C ^d |
|---|--------------------------|---------------------------|------------------------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-----------------|
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | SEER 9 Delav-Adiu | sted Incider | nce ^a , 197 | 75-2009 | | | | | | | | | | | |
| Black 1975-85 3.2* 1985-09 -0.9* -0.9* -0.9* -0.9* -0.9* SEER 13 Delay-Adjuted Incidence* 1992-09 -1.0* -1.0* -1.0* -1.0* -1.0* Black 1992-09 -1.0* -1.0* -1.0* -1.0* -1.0* -1.0* Black 1992-09 -1.3* -1.3* -1.3* -1.3* -1.3* -0.8* -0.8* -0.8* -0.8* -0.8* -0.8* -0.8* -0.8* -0.8* -0.8* -0.8* -0.8* -0.8* -0.10* -1.0* | | | | | 1.0* | 1991-09 | -0.8* | | | | | | | -0.8* | -0.8* |
| SEER 13 Delay-Adjusted Incidence*, 1992-2009 -1.0* -1.0* -1.0* -1.0* Mhite 1992-09 -1.0* -1.0* -1.0* -1.0* Black 1992-09 -1.3* -1.3* -1.3* -1.3* SEER 9 Observed Incidence*, 1975-80 2.5* 1982-99 -1.0* -1.0* -1.0* Black 1975-87 2.0* 1987-98 -0.1 1998-09 -1.0* -1.0* -1.0* -1.0* Black 1975-87 3.3* 1985-09 -1.0* -1.0* -1.0* -1.0* -1.0* White 1975-87 3.3* 1985-09 -1.0* -1.0* -1.0* -1.0* Black 1992-09 -1.1* -1.0* -1.0* -1.0* -1.0* White 1992-09 -1.4* -1.4* -1.4* -1.4* -1.4* Black 1992-09 -1.3* -1.3* -1.3* -1.3* -1.3* U.S. Cancer Mortality ² , 1975-2009 1.8* 1990-95 -0.1 1995-05 -1.0* 2005-09 -2.0* Mhite 19 | White | 1975-82 | 2.5* | 1982-91 | 1.1* | 1991-09 | -0.7* | | | | | | | -0.7* | -0.7* |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | Black | 1975-85 | 3.2* | 1985-09 | -0.9* | | | | | | | | | -0.9* | -0.9* |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | SEER 13 Delay-Adj | usted Incide | ence ^b , 19 | 92-2009 | | | | | | | | | | | |
| Black 1992-09 -1.3* -1.3* -1.3* -1.3* -1.3* -1.3* SEER 9 Observed Incidence*, 1975-87 2.0* 1987-98 -0.1 1998-09 -1.0* -0.0* -0.0* -0.0* <td></td> <td>-1.0*</td> <td>-1.0*</td> | | | | | | | | | | | | | | -1.0* | -1.0* |
| $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$ | White | 1992-09 | -1.0* | | | | | | | | | | | -1.0* | -1.0* |
| All Races1975-822.5*1982-911.0*1991-09-0.8*-0.8*-0.8*-0.8*-0.8*-0.8*-0.0*-1.1*-1.1* | Black | 1992-09 | -1.3* | | | | | | | | | | | -1.3* | -1.3* |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | SEER 9 Observed I | ncidence ^a , 1 | 975-2009 | 9 | | | | | | | | | | | |
| Black 1975-85 3.3* 1985-09 -1.0* SEER 13 Observed Incidence ^b , 1992-2009 All Races 1992-09 -1.1* -1.1* Mite 1992-09 -1.0* -1.0* -1.0* White 1992-09 -0.9* -0.9* -0.9* Black 1992-09 -1.3* -0.9* -0.9* Black 1992-09 -0.1* -1.1* -1.1* Black NH ^{ef} 1992-09 -0.9* -0.9* -0.9* AI/AN ^{ef} 1992-09 -0.4 -0.6* -0.6* Hispanic ^f 1992-09 -1.3* -0.4 -1.3* -1.3* U.S. Cancer Mortality ^e , 1975-2009 -1.3* 1980-90 1.8* 1990-95 -0.1 2005-09 -2.2* -1.5* -2.2* White 1975-80 3.0* 1980-90 1.8* 1990-95 -0.7* 1995-05 -1.7* 2005-09 -2.0* -1.4* -2.0* Black 1975-77 4.7* 1977-82 3.0* 1980-90 1.8* 1990-95 -0.7* 1995-05 -1.7* 2005- | All Races | 1975-82 | 2.5* | 1982-91 | 1.0* | 1991-09 | -0.8* | | | | | | | -0.8* | -0.8* |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | White | 1975-87 | 2.0* | 1987-98 | -0.1 | 1998-09 | -1.0* | | | | | | | -1.0* | -1.0* |
| All Races $1992-09$ -1.1^* -1.1^* -1.1^* White $1992-09$ -1.0^* -1.0^* -1.0^* -1.0^* White NH ^{ef} $1992-09$ -1.4^* -1.4^* -1.4^* -1.4^* Black $1992-09$ -1.4^* -1.4^* -1.4^* -1.4^* Black NH ^{ef} $1992-09$ -0.6^* -0.6^* -0.6^* AI/AN ^{eg} $1992-09$ -0.6^* -0.6^* -0.6^* Mite $1992-09$ -1.3^* -1.3^* -1.3^* U.S. Cancer Mortality ^c , 1975-2009 1.8^* $1990-95$ -0.2 $1995-05$ -1.0^* $2005-09$ -2.2^* -1.5^* Mhite $1975-80$ 3.0^* $1980-90$ 1.8^* $1990-95$ -0.1^* $2005-09$ -2.0^* -1.4^* -2.0^* White $1975-77$ 4.7^* $1977-82$ 3.0^* $1982-90$ 1.8^* $1990-95$ -0.7^* $2005-09$ -2.0^* -1.4^* -2.0^* Black $1975-77$ 4.7^* $1977-82$ 3.0^* $1982-90$ 1.8^* $1990-95$ -0.7^* $1995-05$ -1.7^* $2005-09$ -2.0^* -1.4^* -2.0^* White $1992-04$ -0.8^* $2004-09$ -2.0^* -1.4^* -1.4^* -1.4^* -1.4^* -1.4^* -1.4^* -2.3^* -3.0^* Black $1992-07$ -1.2^* 199705 -1.7^* $2005-09$ -3.0^* -2.1^* -3.0^* Black $1992-07$ -1.2^* < | Black | 1975-85 | 3.3* | 1985-09 | -1.0* | | | | | | | | | -1.0* | -1.0* |
| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ | SEER 13 Observed | Incidence ^b , | 1992-200 |)9 | | | | | | | | | | | |
| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ | All Races | 1992-09 | -1.1* | | | | | | | | | | | -1.1* | -1.1* |
| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ | White | 1992-09 | -1.0* | | | | | | | | | | | -1.0* | -1.0* |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | White NH ^{ef} | 1992-09 | -0.9* | | | | | | | | | | | -0.9* | -0.9* |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | Black | 1992-09 | -1.4* | | | | | | | | | | | -1.4* | -1.4* |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | | 1992-09 | -1.3* | | | | | | | | | | | | |
| Hispanicf $1992-09$ -1.3^* -1.3^* -1.3^* U.S. Cancer Mortality ^c , $1975-2009$ 18^* $1990-95$ -0.2 $1995-05$ -1.0^* $2005-09$ -2.2^* -1.5^* -2.2^* White $1975-80$ 2.9^* $1980-90$ 1.8^* $1990-95$ -0.1 $1995-05$ -1.0^* $2005-09$ -2.0^* -1.4^* -2.0^* Black $1975-77$ 4.7^* $1977-82$ 3.0^* $1982-90$ 1.8^* $1990-95$ -0.7^* $1995-05$ -1.7^* $2005-09$ -3.0^* -2.3^* -3.0^* U.S. Cancer Mortality ^c , $1992-2009$ All Races $1992-04$ -0.8^* $2004-09$ -2.0^* -1.7^* $1995-05$ -1.7^* $2005-09$ -3.0^* -2.3^* -3.0^* White $1992-04$ -0.6^* $2004-09$ -2.0^* -1.7^* -1.4^* -1.7^* -1.4^* -1.7^* White $1992-04$ -0.6^* $2004-09$ -2.0^* -1.7^* -1.2^* -1.7^* -1.4^* -1.7^* Black $1992-04$ -0.6^* $2004-09$ -1.7^* $2005-09$ -3.0^* -2.3^* -3.0^* Black NH ^{eff} $1992-05$ -1.4^* $2005-09$ -3.0^* -2.1^* -3.0^* -2.1^* -3.0^* API ^e $1992-09$ -1.1^* -1.1^* -1.1^* -1.1^* -1.1^* -0.1 -0.1 Hack $1992-09$ -0.1 -0.1 -0.1 -0.1 -0.1 -0.1 <td></td> <td>1992-09</td> <td>-0.6*</td> <td></td> <td>-0.6*</td> <td>-0.6*</td> | | 1992-09 | -0.6* | | | | | | | | | | | -0.6* | -0.6* |
| $\begin{array}{c} \textbf{U.S. Cancer Mortality}^c, 1975-2009\\ \mbox{All Races} & 1975-80 & 3.0* & 1980-90 & 1.8* & 1990-95 & -0.2 & 1995-05 & -1.0* & 2005-09 & -2.2* & & -1.5* & -2.2*\\ \mbox{White} & 1975-80 & 2.9* & 1980-90 & 1.8* & 1990-95 & -0.1 & 1995-05 & -0.9* & 2005-09 & -2.0* & & -1.4* & -2.0*\\ \mbox{Black} & 1975-77 & 4.7* & 1977-82 & 3.0* & 1982-90 & 1.8* & 1990-95 & -0.7* & 1995-05 & -1.7* & 2005-09 & -3.0* & -2.3* & -3.0*\\ \mbox{U.S. Cancer Mortality}^c, 1992-2009\\ \mbox{All Races} & 1992-04 & -0.8* & 2004-09 & -2.0* & & & -1.5* & -2.0*\\ \mbox{White} & 1992-03 & -0.7* & 2003-09 & -1.7* & & & & -1.4* & -1.7*\\ \mbox{White} & 1992-04 & -0.6* & 2004-09 & -1.7* & & & & & -1.4* & -1.7*\\ \mbox{Black} & 1992-97 & -1.2* & 1997-05 & -1.7* & 2005-09 & -3.0* & & & & -2.3* & -3.0*\\ \mbox{Black} & 1992-05 & -1.4* & 2005-09 & -3.0* & & & & -2.3* & -3.0*\\ \mbox{Black} & 1992-09 & -1.1* & & & & & & -2.1* & -3.0*\\ \mbox{Apre} & 1992-09 & -0.1 & & & & & & -1.1*\\ \mbox{All Aneg} & 1992-09 & -0.1 & & & & & & -0.1 & -0.1\\ \end{tabular}$ | | 1992-09 | -0.4 | | | | | | | | | | | -0.4 | -0.4 |
| All Races 1975-80 3.0* 1980-90 1.8* 1990-95 -0.2 1995-05 -1.0* 2005-09 -2.2* -1.5* -2.2* White 1975-80 2.9* 1980-90 1.8* 1990-95 -0.1 1995-05 -0.9* 2005-09 -2.0* -1.4* -2.0* Black 1975-77 4.7* 1977-82 3.0* 1982-90 1.8* 1990-95 -0.7* 1995-05 -1.7* 2005-09 -3.0* -2.3* -3.0* U.S. Cancer Mortality ^c , 1992-2009 | Hispanic ^f | 1992-09 | -1.3* | | | | | | | | | | | -1.3* | -1.3* |
| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ | <u>U.S. Cancer Morta</u> | | 2009 | | | | | | | | | | | | |
| Black 1975-77 4.7* 1977-82 3.0* 1982-90 1.8* 1990-95 -0.7* 1995-05 -1.7* 2005-09 -3.0* -2.3* -3.0* U.S. Cancer Mortality ^c , 1992-2009 All Races 1992-04 -0.8* 2004-09 -2.0* -1.5* -2.0* All Races 1992-03 -0.7* 2003-09 -1.7* 2003-09 -1.7* -1.4* -1.5* -2.0* White 1992-04 -0.6* 2004-09 -1.7* 2005-09 -3.0* -1.2* -1.4* -1.7* Black 1992-97 -1.2* 1997-05 -1.7* 2005-09 -3.0* -2.3* -3.0* Black NH ^{ef} 1992-05 -1.4* 2005-09 -3.0* -2.1* -3.0* API ^e 1992-09 -1.1* -1.1* -1.1* -1.1* -1.1* -1.1* -1.1* -0.1 -0.1 -0.1 -0.1 | | | | | | | | | | | | | | -1.5* | |
| | | | | | | | | | | | | | | | |
| All Races 1992-04 -0.8* 2004-09 -2.0* White 1992-03 -0.7* 2003-09 -1.7* White NH ^{ef} 1992-04 -0.6* 2004-09 -1.7* Black 1992-97 -1.2* 197-05 -1.7* Black NH ^{ef} 1992-05 -1.4* 2005-09 -3.0* API ^e 1992-09 -1.1* -1.1* -1.1* AI/AN ^{eg} 1992-09 -0.1 -0.1 -0.1 | Black | 1975-77 | 4.7* | 1977-82 | 3.0* | 1982-90 | 1.8* | 1990-95 | -0.7* | 1995-05 | -1.7* | 2005-09 | -3.0* | -2.3* | -3.0* |
| White 1992-03 -0.7* 2003-09 -1.7* White NH ^{ef} 1992-04 -0.6* 2004-09 -1.7* Black 1992-97 -1.2* 1997-05 -1.7* Black NH ^{ef} 1992-05 -1.4* 2005-09 -3.0* Black NH ^{ef} 1992-05 -1.4* 2005-09 -3.0* API ^e 1992-09 -1.1* -1.1* -1.1* AI/AN ^{eg} 1992-09 -0.1 -0.1 -0.1 | | | | | | | | | | | | | | | |
| White NH ^{ef} 1992-04 -0.6* 2004-09 -1.7* Black 1992-97 -1.2* 1997-05 -1.7* Black NH ^{ef} 1992-05 -1.4* 2005-09 -3.0* API ^e 1992-09 -1.1* -1.1* AI/AN ^{eg} 1992-09 -0.1 -0.1 | | | | | | | | | | | | | | | |
| Black 1992-97 -1.2* 1997-05 -1.7* 2005-09 -3.0* Black NH ^{ef} 1992-05 -1.4* 2005-09 -3.0* -2.1* -3.0* API ^e 1992-09 -1.1* -1.1* -1.1* -1.1* -1.1* AI/AN ^{eg} 1992-09 -0.1 -0.1 -0.1 -0.1 | | | | | -1.7* | | | | | | | | | | |
| Black NH ^{ef} 1992-05 -1.4* 2005-09 -3.0* API ^e 1992-09 -1.1* -1.1* -1.1* AI/AN ^{eg} 1992-09 -0.1 -0.1 -0.1 | White NH ^{ef} | | | | | | | | | | | | | | |
| API ^e 1992-09 -1.1* -1.1* -1.1* AI/AN ^{eg} 1992-09 -0.1 -0.1 | | | | | | 2005-09 | -3.0* | | | | | | | | |
| AI/AN ^{eg} 1992-09 -0.1 -0.1 | | | -1.4* | 2005-09 | -3.0* | | | | | | | | | | |
| | | | | | | | | | | | | | | -1.1* | |
| Hispanic ^t 1992-97 0.6 1997-09 -2.2* -2.2* | | | | | | | | | | | | | | | |
| | Hispanic ^f | 1992-97 | 0.6 | 1997-09 | -2.2* | | | | | | | | | -2.2* | -2.2* |

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

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Table 15.2 Cancer of the Lung and Bronchus (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints, Males by Race/Ethnicity

| | | | JP Tre | end 2 | JP Tr | end 3 | JP Tre | end 4 | JP Tre | end 5 | JP Tre | end 6 | AAI | $^{\rm PC^d}$ |
|------------------------|--------------------------|------------------------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|---------------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| SEER 9 Delay-Adjust | ted Incider | nce ^a , 197 | 5-2009 | | | | | | | | | | | |
| All Races | 1975-82 | 1.5* | 1982-91 | -0.5* | 1991-09 | -1.8* | | | | | | | -1.8* | -1.8* |
| White | 1975-81 | 1.5* | 1981-90 | -0.2 | 1990-09 | -1.7* | | | | | | | -1.7* | -1.7* |
| Black | 1975-84 | 3.4* | 1984-09 | -1.9* | | | | | | | | | -1.9* | -1.9* |
| SEER 13 Delay-Adjus | sted Incide | ence ^b , 19 | 92-2009 | | | | | | | | | | | |
| All Races | 1992-09 | -1.9* | | | | | | | | | | | -1.9* | -1.9* |
| White | 1992-09 | -1.9* | | | | | | | | | | | -1.9* | -1.9* |
| Black | 1992-09 | -2.4* | | | | | | | | | | | -2.4* | -2.4* |
| SEER 9 Observed Ind | cidence ^a , 1 | 975-2009 | | | | | | | | | | | | |
| All Races | 1975-82 | 1.4* | 1982-91 | -0.4 | 1991-09 | -1.8* | | | | | | | -1.8* | -1.8* |
| White | 1975-81 | 1.5* | 1981-90 | -0.2 | 1990-09 | -1.8* | | | | | | | -1.8* | -1.8* |
| Black | 1975-85 | 2.8* | 1985-09 | -2.0* | | | | | | | | | -2.0* | -2.0* |
| SEER 13 Observed In | ncidence ^b , | 1992-200 | 9 | | | | | | | | | | | |
| All Races | 1992-09 | -2.0* | | | | | | | | | | | -2.0* | -2.0* |
| White | 1992-09 | -2.0* | | | | | | | | | | | -2.0* | -2.0* |
| White NH ^{ef} | 1992-09 | -1.8* | | | | | | | | | | | -1.8* | -1.8* |
| Black | 1992-09 | -2.5* | | | | | | | | | | | -2.5* | -2.5* |
| Black NH ^{ef} | 1992-09 | -2.4* | | | | | | | | | | | -2.4* | -2.4* |
| API ^e | 1992-09 | -1.1* | | | | | | | | | | | -1.1* | -1.1* |
| AI/AN ^{eg} | 1992-09 | -1.4 | | | | | | | | | | | -1.4 | -1.4 |
| Hispanic ^f | 1992-09 | -2.1* | | | | | | | | | | | -2.1* | -2.1* |
| U.S. Cancer Mortal: | ity ^c , 1975- | 2009 | | | | | | | | | | | | |
| All Races | 1975-78 | 2.5* | 1978-84 | 1.2* | 1984-90 | 0.4* | 1990-93 | -1.1 | 1993-05 | -1.9* | 2005-09 | -2.8* | -2.3* | -2.8* |
| White | 1975-82 | 1.7* | 1982-91 | 0.4* | 1991-05 | -1.8* | 2005-09 | -2.7* | | | | | -2.2* | -2.7* |
| Black | 1975-77 | 4.9* | 1977-84 | 2.3* | 1984-90 | 1.2* | 1990-94 | -1.3* | 1994-04 | -2.6* | 2004-09 | -3.2* | -3.0* | -3.2* |
| U.S. Cancer Mortal: | | | | | | | | | | | | | | |
| All Races | 1992-05 | -1.9* | 2005-09 | -2.8* | | | | | | | | | -2.3* | -2.8* |
| White | 1992-05 | -1.7* | 2005-09 | -2.7* | | | | | | | | | -2.2* | -2.7* |
| White NH ^{ef} | 1992-05 | -1.6* | 2005-09 | -2.5* | | | | | | | | | -2.0* | -2.5* |
| Black | 1992-94 | -1.0 | 1994-04 | -2.7* | 2004-09 | -3.2* | | | | | | | -3.0* | -3.2* |
| Black NH ^{ef} | 1992-94 | -1.1 | 1994-09 | -2.6* | | | | | | | | | -2.6* | -2.6* |
| API ^e | 1992-09 | -1.5* | | | | | | | | | | | -1.5* | -1.5* |
| AI/AN ^{eg} | 1992-09 | -1.2* | | | | | | | | | | | -1.2* | -1.2* |
| Hispanic ^f | 1992-98 | -0.4 | 1998-09 | -3.3* | | | | | | | | | -3.3* | -3.3* |

Joinpoint Regression Program Version 3.5, April 2011, National Cancer Institute. (<u>http://surveillance.cancer.gov/joinpoint</u>/). 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 the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Re 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, SC, 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.

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Table 15.3 Cancer of the Lung and Bronchus (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints, Females by Race/Ethnicity

| | JP Tre | nd 1 | JP Tre | end 2 | JP Tre | nd 3 | JP Tre | end 4 | JP Tre | end 5 | JP Tre | end 6 | AAF | Cd |
|---------------------------|--------------------------|------------------------|---------|-------|---------|------|---------|-------|---------|-------|--------|-------|---------|---------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| SEER 9 Delay-Adjus | ted Incider | nce ^a , 197 | 75-2009 | | | | | | | | | | | |
| All Races | 1975-88 | 4.6* | 1988-97 | 1.3* | 1997-09 | 0.1 | | | | | | | 0.1 | 0.1 |
| White | 1975-88 | 4.8* | 1988-97 | 1.4* | 1997-09 | 0.1 | | | | | | | 0.1 | 0.1 |
| Black | 1975-90 | 4.3* | 1990-09 | 0.5* | | | | | | | | | 0.5* | 0.5* |
| <u>SEER 13 Delay-Adju</u> | sted Incide | ence ^b , 19 | 92-2009 | | | | | | | | | | | |
| All Races | 1992-97 | 0.7 | 1997-09 | -0.3* | | | | | | | | | -0.3* | -0.3* |
| White | 1992-97 | 0.9 | 1997-09 | -0.3* | | | | | | | | | -0.3* | -0.3* |
| Black | 1992-09 | 0.4 | | | | | | | | | | | 0.4 | 0.4 |
| SEER 9 Observed In | cidence ^a , 1 | 975-2009 | 9 | | | | | | | | | | | |
| All Races | 1975-82 | 5.6* | 1982-91 | 3.4* | 1991-06 | 0.5* | 2006-09 | -1.5 | | | | | -0.2 | -1.0 |
| White | 1975-82 | 5.6* | 1982-88 | 4.1* | 1988-97 | 1.5* | 1997-07 | 0.1 | 2007-09 | -2.0 | | | -0.4 | -1.0 |
| Black | 1975-90 | 4.3* | 1990-09 | 0.4 | | | | | | | | | 0.4 | 0.4 |
| SEER 13 Observed I | ncidence ^b , | 1992-200 |)9 | | | | | | | | | | | |
| All Races | 1992-98 | 0.8* | 1998-01 | -1.3 | 2001-05 | 0.5 | 2005-09 | -1.2* | | | | | -0.5 | -1.2* |
| White | 1992-97 | 1.0 | 1997-09 | -0.5* | | | | | | | | | -0.5* | -0.5* |
| White NH ^{ef} | 1992-97 | 1.3* | 1997-09 | -0.3 | | | | | | | | | -0.3 | -0.3 |
| Black | 1992-09 | 0.2 | | | | | | | | | | | 0.2 | 0.2 |
| Black NH ^{ef} | 1992-09 | 0.3 | | | | | | | | | | | 0.3 | 0.3 |
| API ^e | 1992-09 | 0.4 | | | | | | | | | | | 0.4 | 0.4 |
| AI/AN ^{eg} | 1992-09 | 1.1 | | | | | | | | | | | 1.1 | 1.1 |
| Hispanic ^f | 1992-09 | -0.4 | | | | | | | | | | | -0.4 | -0.4 |
| U.S. Cancer Mortal | ity ^c , 1975- | 2009 | | | | | | | | | | | | |
| All Races | 1975-82 | 6.0* | 1982-90 | 4.2* | 1990-95 | 1.7* | 1995-03 | 0.3* | 2003-09 | -1.1* | | | -0.6* | -1.1* |
| White | 1975-83 | 5.8* | 1983-90 | 4.1* | 1990-94 | 2.1* | 1994-03 | 0.5* | 2003-09 | -1.0* | | | -0.5* | -1.0* |
| Black | 1975-81 | 6.8* | 1981-92 | 3.8* | 1992-05 | 0.3* | 2005-09 | -2.8* | | | | | -1.1* | -2.8* |
| U.S. Cancer Mortal | ity ^c , 1992- | 2009 | | | | | | | | | | | | |
| All Races | 1992-02 | 0.6* | 2002-09 | -1.0* | | | | | | | | | -0.6* | -1.0* |
| White | 1992-02 | 0.7* | 2002-09 | -0.9* | | | | | | | | | -0.5* | -0.9* |
| White NH ^{ef} | 1992-02 | 0.9* | 2002-09 | -0.7* | | | | | | | | | -0.4* | -0.7* |
| Black | 1992-05 | 0.3* | 2005-09 | -2.9* | | | | | | | | | -1.1* | -2.9* |
| Black NH ^{ef} | 1992-05 | 0.5* | 2005-09 | -2.8* | | | | | | | | | -1.0* | -2.8* |
| API ^e | 1992-09 | -0.3 | | | | | | | | | | | -0.3 | -0.3 |
| AI/AN ^{eg} | 1992-09 | 1.2* | | | | | | | | | | | 1.2* | 1.2* |
| Hispanic ^f | 1992-03 | 0.2 | 2003-09 | -1.8* | | | | | | | | | -1.1* | -1.8* |
| | | | | | | | | | | | | | | |

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

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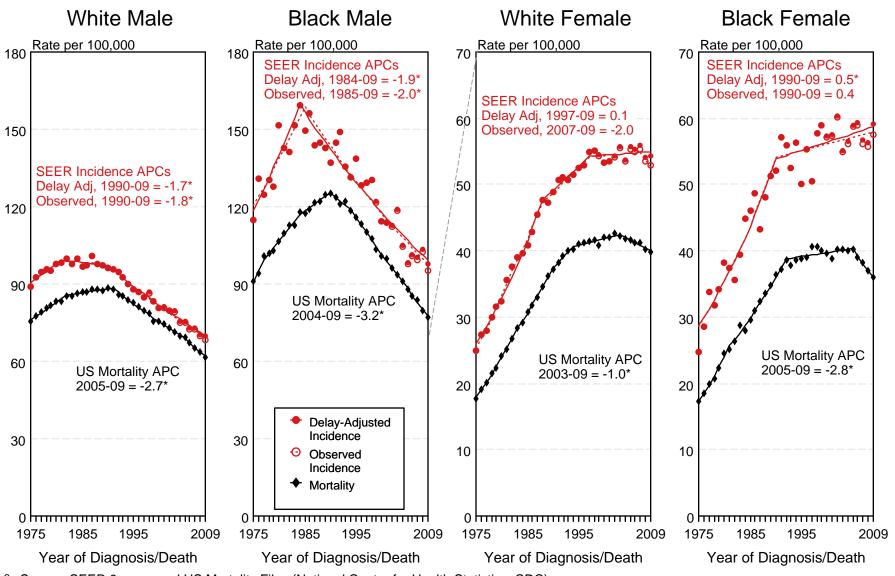
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SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates^a Cancer of the Lung and Bronchus, by Race and Sex

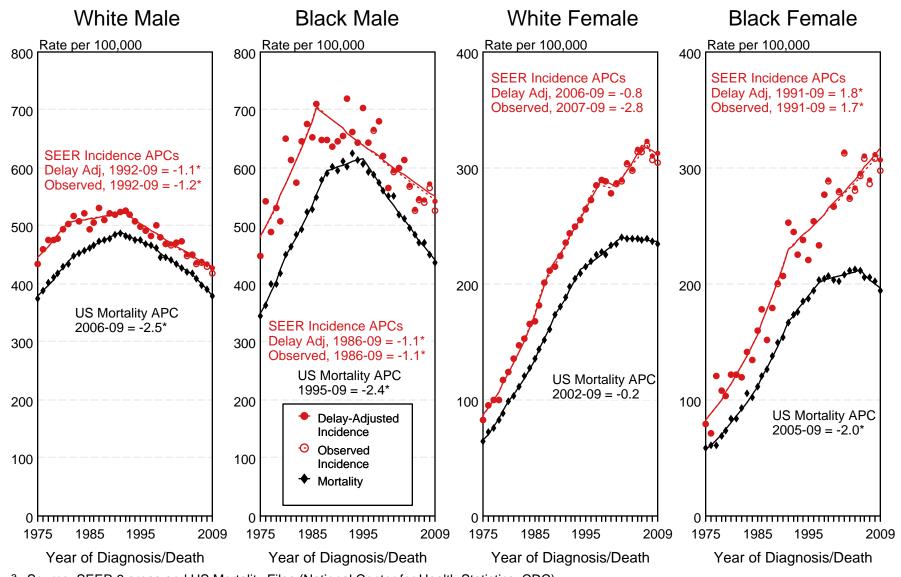


^a Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).
 Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
 Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.5, April 2011, National Cancer 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.

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The APC is significantly different from zero (p < 0.05).

SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates^a Cancer of the Lung and Bronchus, Ages 65 and Over, by Race and Sex

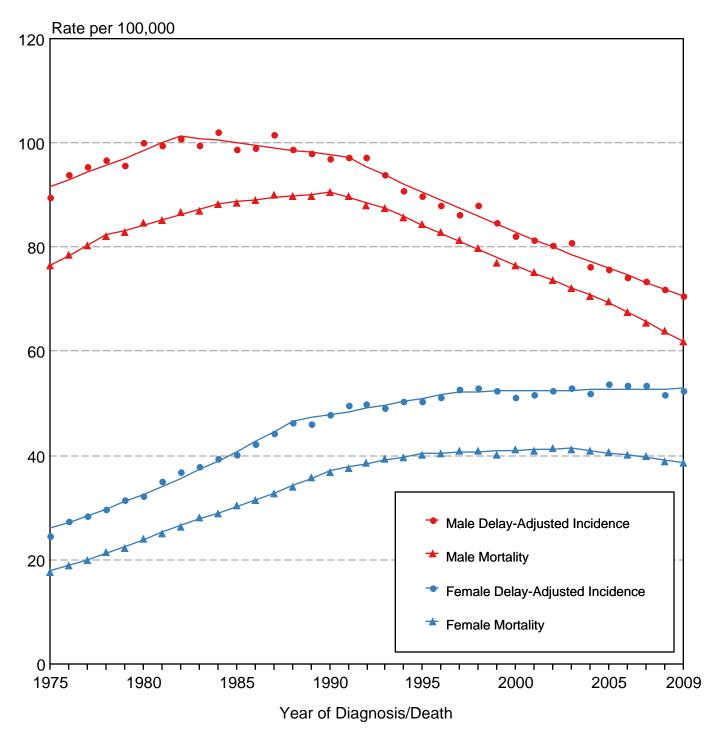


^a Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).
 Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
 Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.5, April 2011, National Cancer 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).

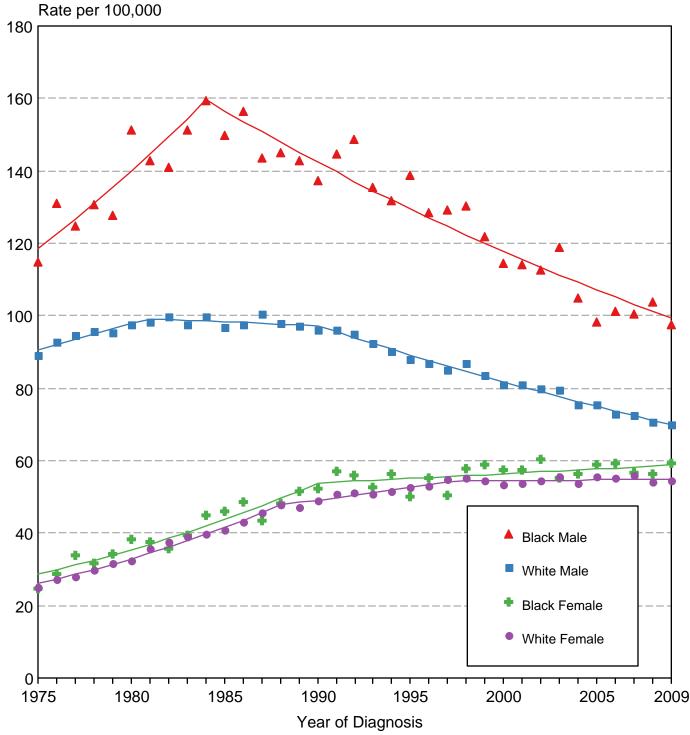
Figure 15.5

Cancer of the Lung & Bronchus SEER Delay-Adjusted Incidence & US Death Rates, 1975-2009, All Races, By Sex



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 are calculated using the Joinpoint Regression Program Version 3.5, April 2011, National Cancer Institute. Figure 15.6

Cancer of the Lung & Bronchus SEER Delay-Adjusted Incidence, 1975-2009 By Sex and Race



Source: SEER 9 areas. 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.

SEER Observed Incidence and SEER Delay Adjusted Incidence Rates^a SEER 9 Areas Compared to SEER 13 Areas Cancer of the Lung and Bronchus, Male, by Race

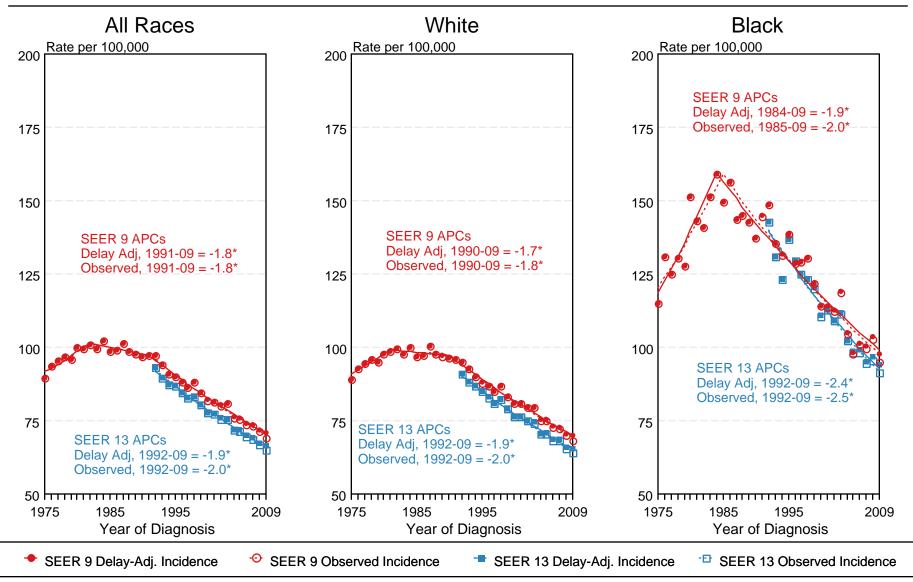


Figure 15.7

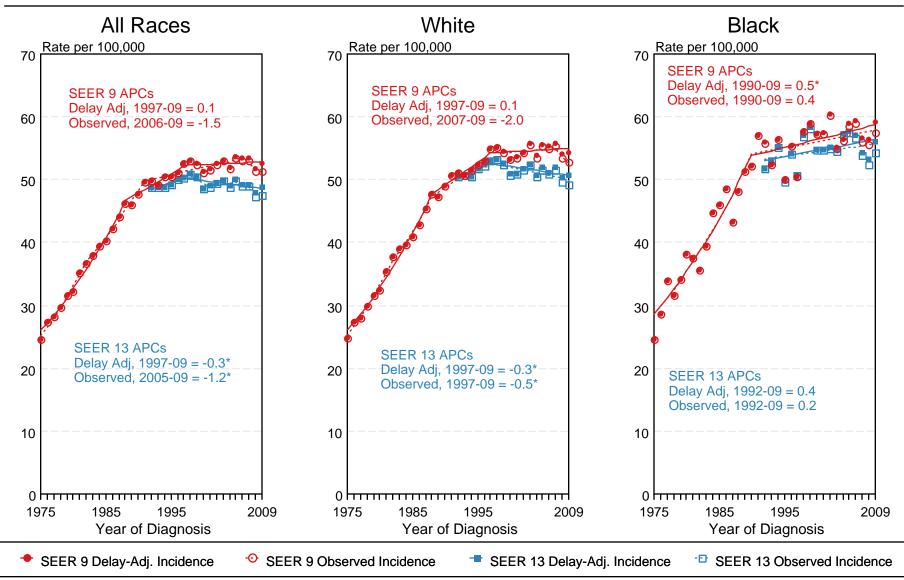
^a Source: SEER 9 areas and SEER 13 areas.

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).

National Cancer Institute

SEER Observed Incidence and SEER Delay Adjusted Incidence Rates^a SEER 9 Areas Compared to SEER 13 Areas Cancer of the Lung and Bronchus, Female, by Race



^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).

Table 16.1 Melanoma of the Skin (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints, Both Sexes by Race/Ethnicity

| | JP Tre | end 1 | JP Tre | end 2 | JP Tre | end 3 | JP Tr | end 4 | JP Tre | end 5 | JP Tr | end 6 | AAP | Cd |
|---------------------------|--------------------------|------------------------|-----------|-------|---------|-------|-------|-------|--------|-------|-------|-------|---------|---------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| SEER 9 Delay-Adjus | ted Incide | nce ^a . 195 | 75-2009 | | | | | | | | | | | |
| All Races | 1975-85 | 4.6* | 1985-09 | 2.7* | | | | | | | | | 2.7* | 2.7* |
| White | 1975-81 | 6.6* | 1981-09 | 3.1* | | | | | | | | | 3.1* | 3.1* |
| Black | - | - | | | | | | | | | | | - | - |
| SEER 13 Delay-Adju | sted Incid | ence ^b , 19 | 992-2009 | | | | | | | | | | | |
| All Races | 1992-96 | 4.5* | 1996-09 | 2.0* | | | | | | | | | 2.0* | 2.0* |
| White | 1992-09 | 2.8* | | | | | | | | | | | 2.8* | 2.8* |
| Black | - | - | | | | | | | | | | | - | - |
| <u>SEER 9 Observed In</u> | cidence ^a , 1 | L975-2009 | 9 | | | | | | | | | | | |
| All Races | 1975-85 | 4.6* | 1985-09 | 2.6* | | | | | | | | | 2.6* | 2.6* |
| White | 1975-81 | 6.3* | 1981-05 | 3.2* | 2005-09 | 1.2 | | | | | | | 2.3* | 1.2 |
| Black | 1975-09 | 0.0 | | | | | | | | | | | 0.0 | 0.0 |
| SEER 13 Observed I | incidence ^b , | | <u>)9</u> | | | | | | | | | | | |
| All Races | 1992-96 | 4.6* | 1996-09 | 1.8* | | | | | | | | | 1.8* | 1.8* |
| White | 1992-09 | 2.6* | | | | | | | | | | | 2.6* | 2.6* |
| White NH ^{ef} | 1992-09 | 3.1* | | | | | | | | | | | 3.1* | 3.1* |
| Black | 1992-94 | 49.5 | 1994-09 | -1.8 | | | | | | | | | -1.8 | -1.8 |
| Black NH ^{ef} | 1992-94 | 49.1 | 1994-09 | -1.7 | | | | | | | | | -1.7 | -1.7 |
| API ^e | 1992-09 | 1.4* | | | | | | | | | | | 1.4* | 1.4* |
| AI/AN ^{eg} | 1992-09 | 0.7 | | | | | | | | | | | 0.7 | 0.7 |
| Hispanic ^f | 1992-09 | 0.6 | | | | | | | | | | | 0.6 | 0.6 |
| <u>U.S. Cancer Mortal</u> | ity ^c , 1975- | -2009 | | | | | | | | | | | | |
| All Races | 1975-88 | 1.6* | 1988-09 | 0.0 | | | | | | | | | 0.0 | 0.0 |
| White | 1975-88 | 1.8* | 1988-09 | 0.2* | | | | | | | | | 0.2* | 0.2* |
| Black | 1975-09 | -0.7* | | | | | | | | | | | -0.7* | -0.7* |
| <u>U.S. Cancer Mortal</u> | ity ^c , 1992- | -2009 | | | | | | | | | | | | |
| All Races | 1992-09 | 0.0 | | | | | | | | | | | 0.0 | 0.0 |
| White | 1992-09 | 0.2 | | | | | | | | | | | 0.2 | 0.2 |
| White NH ^{ef} | 1992-09 | 0.4* | | | | | | | | | | | 0.4* | 0.4* |
| Black | 1992-09 | -0.9 | | | | | | | | | | | -0.9 | -0.9 |
| Black NH ^{ef} | 1992-09 | -1.1* | | | | | | | | | | | -1.1* | -1.1* |
| API ^e | 1992-09 | -1.1 | | | | | | | | | | | -1.1 | -1.1 |
| AI/AN ^{eg} | 1992-09 | 2.4 | | | | | | | | | | | 2.4 | 2.4 |
| Hispanic ^f | 1992-09 | -0.3 | | | | | | | | | | | -0.3 | -0.3 |

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, SC, 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.

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Table 16.2 Melanoma of the Skin (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints, Males by Race/Ethnicity

| | JP Tre | end 1 | JP Tr | end 2 | JP Tre | end 3 | JP Tr | end 4 | JP Tr | end 5 | JP Tr | end 6 | AAP | $^{\rm C^d}$ |
|---------------------------|--------------------------|------------------------|----------|-------|---------|-------|-------|-------|-------|-------|-------|-------|---------|--------------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| SEER 9 Delay-Adjus | ted Incide | nce ^a . 19' | 75-2009 | | | | | | | | | | | |
| All Races | 1975-86 | 5.5* | 1986-09 | 3.0* | | | | | | | | | 3.0* | 3.0* |
| White | 1975-86 | 5.9* | 1986-09 | 3.2* | | | | | | | | | 3.2* | 3.2* |
| Black | - | - | | | | | | | | | | | - | - |
| SEER 13 Delay-Adju | sted Incid | ence ^b . 19 | 992-2009 | | | | | | | | | | | |
| All Races | 1992-09 | 2.5* | | | | | | | | | | | 2.5* | 2.5* |
| White | 1992-09 | 2.9* | | | | | | | | | | | 2.9* | 2.9* |
| Black | - | - | | | | | | | | | | | - | - |
| SEER 9 Observed In | cidence ^a . 1 | 1975-2009 | 9 | | | | | | | | | | | |
| All Races | 1975-86 | 5.6* | 1986-09 | 2.9* | | | | | | | | | 2.9* | 2.9* |
| White | 1975-86 | 5.9* | 1986-09 | 3.1* | | | | | | | | | 3.1* | 3.1* |
| Black | 1975-09 | 0.1 | | | | | | | | | | | 0.1 | 0.1 |
| SEER 13 Observed I | ncidence ^b , | 1992-200 | 09 | | | | | | | | | | | |
| All Races | 1992-09 | 2.4* | | | | | | | | | | | 2.4* | 2.4* |
| White | 1992-09 | 2.7* | | | | | | | | | | | 2.7* | 2.7* |
| White NH ^{ef} | 1992-09 | 3.1* | | | | | | | | | | | 3.1* | 3.1* |
| Black | 1992-95 | 65.4* | 1995-09 | -4.6* | | | | | | | | | -4.6* | -4.6* |
| Black NH ^{ef} | 1992-95 | 66.2* | 1995-09 | -4.4* | | | | | | | | | -4.4* | -4.4* |
| API ^e | 1992-09 | 1.9* | | | | | | | | | | | 1.9* | 1.9* |
| AI/AN ^{eg} | 1992-09 | 1.6 | | | | | | | | | | | 1.6 | 1.6 |
| Hispanic ^f | 1992-09 | 1.3 | | | | | | | | | | | 1.3 | 1.3 |
| U.S. Cancer Mortal | ity ^c , 1975- | -2009 | | | | | | | | | | | | |
| All Races | 1975-90 | 2.2* | 1990-02 | 0.0 | 2002-09 | 1.0* | | | | | | | 0.8* | 1.0* |
| White | 1975-90 | 2.4* | 1990-02 | 0.1 | 2002-09 | 1.1* | | | | | | | 0.9* | 1.1* |
| Black | 1975-09 | -0.7* | | | | | | | | | | | -0.7* | -0.7* |
| <u>U.S. Cancer Mortal</u> | ity ^c , 1992- | -2009 | | | | | | | | | | | | |
| All Races | 1992-09 | 0.4* | | | | | | | | | | | 0.4* | 0.4* |
| White | 1992-09 | 0.5* | | | | | | | | | | | 0.5* | 0.5* |
| White NH ^{ef} | 1992-09 | 0.7* | | | | | | | | | | | 0.7* | 0.7* |
| Black | 1992-09 | 0.5 | | | | | | | | | | | 0.5 | 0.5 |
| Black NH ^{ef} | 1992-09 | 0.2 | | | | | | | | | | | 0.2 | 0.2 |
| API ^e | 1992-09 | -1.0 | | | | | | | | | | | -1.0 | -1.0 |
| AI/AN ^{eg} | 1992-09 | 5.3* | | | | | | | | | | | 5.3* | 5.3* |
| Hispanic ^f | 1992-09 | -0.2 | | | | | | | | | | | -0.2 | -0.2 |

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

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Table 16.3 Melanoma of the Skin (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints, Females by Race/Ethnicity

| | JP Tre | nd 1 | JP Tre | and 2 | JP Tre | nd 2 | JP Tre | nd 1 | JP Tr | and 5 | JP Tr | and 6 | AAI | od |
|---------------------------|---------------------------|-------------|---------|-------|---------|------|---------|------|-------|-------|-------|-------|---------|---------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | | 2005-09 |
| SEER 9 Delay-Adjus | | | | | 10415 | | TOULD | | 10415 | | 10010 | | 2000 09 | 1000 07 |
| All Races | 1975-81 | <u>5.0*</u> | 1981-09 | 2.4* | | | | | | | | | 2.4* | 2.4* |
| White | 1975-81 | 5.0 6.3* | 1981-94 | 2.0* | 1994-97 | 5.7 | 1997-09 | 2.5* | | | | | 2.5* | 2.5* |
| Black | - 1975 01 | - | 1)01)4 | 2.0 | IJJI JI | 5.7 | 1997 09 | 2.5 | | | | | - | - |
| | | | | | | | | | | | | | | |
| <u>SEER 13 Delay-Adju</u> | | | | | | | | | | | | | | |
| All Races | 1992-97 | 3.9* | 1997-09 | 1.7* | | | | | | | | | 1.7* | 1.7* |
| White | 1992-97 | 4.7* | 1997-09 | 2.2* | | | | | | | | | 2.2* | 2.2* |
| Black | - | - | | | | | | | | | | | - | - |
| SEER 9 Observed Ir | ncidence ^a , 1 | L975-2009 | 9 | | | | | | | | | | | |
| All Races | 1975-81 | 5.0* | 1981-09 | 2.3* | | | | | | | | | 2.3* | 2.3* |
| White | 1975-81 | 6.2* | 1981-93 | 2.1* | 1993-05 | 3.4* | 2005-09 | 0.5 | | | | | 2.1* | 0.5 |
| Black | 1975-09 | -0.4 | | | | | | | | | | | -0.4 | -0.4 |
| SEER 13 Observed 1 | Incidence ^b , | 1992-200 | 09 | | | | | | | | | | | |
| All Races | 1992-97 | 4.0* | 1997-09 | 1.6* | | | | | | | | | 1.6* | 1.6* |
| White | 1992-97 | 4.8* | 1997-09 | 2.0* | | | | | | | | | 2.0* | 2.0* |
| White NH ^{ef} | 1992-05 | 3.6* | 2005-09 | 0.8 | | | | | | | | | 2.3* | 0.8 |
| Black | 1992-09 | -0.1 | | | | | | | | | | | -0.1 | -0.1 |
| Black NH ^{ef} | 1992-09 | 0.0 | | | | | | | | | | | 0.0 | 0.0 |
| API ^e | 1992-09 | 1.1 | | | | | | | | | | | 1.1 | 1.1 |
| AI/AN ^{eg} | 1992-09 | 0.3 | | | | | | | | | | | 0.3 | 0.3 |
| Hispanic ^f | 1992-09 | 0.3 | | | | | | | | | | | 0.3 | 0.3 |
| U.S. Cancer Mortal | litv ^c , 1975- | -2009 | | | | | | | | | | | | |
| All Races | 1975-88 | 0.8* | 1988-09 | -0.6* | | | | | | | | | -0.6* | -0.6* |
| White | 1975-88 | 0.9* | 1988-09 | -0.4* | | | | | | | | | -0.4* | -0.4* |
| Black | 1975-09 | -0.7* | | | | | | | | | | | -0.7* | -0.7* |
| U.S. Cancer Mortal | litv ^c . 1992- | -2009 | | | | | | | | | | | | |
| All Races | 1992-09 | -0.5* | | | | | | | | | | | -0.5* | -0.5* |
| White | 1992-09 | -0.3* | | | | | | | | | | | -0.3* | -0.3* |
| White NH ^{ef} | 1992-09 | -0.1 | | | | | | | | | | | -0.1 | -0.1 |
| Black | 1992-09 | -1.9* | | | | | | | | | | | -1.9* | -1.9* |
| Black NH ^{ef} | 1992-09 | -1.9* | | | | | | | | | | | -1.9* | -1.9* |
| API ^e | 1992-09 | -1.3 | | | | | | | | | | | -1.3 | -1.3 |
| AI/AN ^{eg} | _ | - | | | | | | | | | | | _ | _ |
| Hispanic ^f | 1992-09 | -0.6 | | | | | | | | | | | -0.6 | -0.6 |
| - | | | | | | | | | | | | | | |

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, SC, 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.

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National Cancer Institute

SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates^a Melanoma of the Skin, White, by Sex

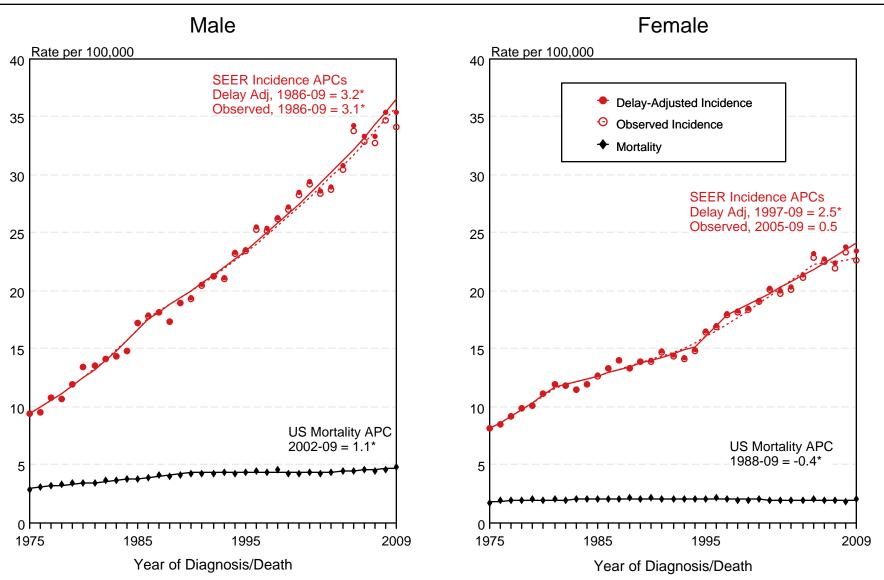
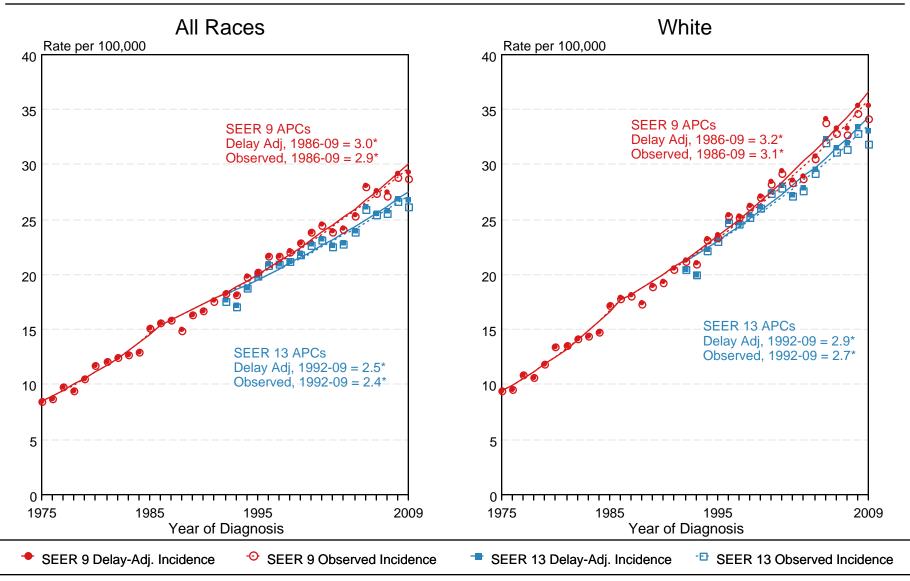


Figure 16.1

^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).

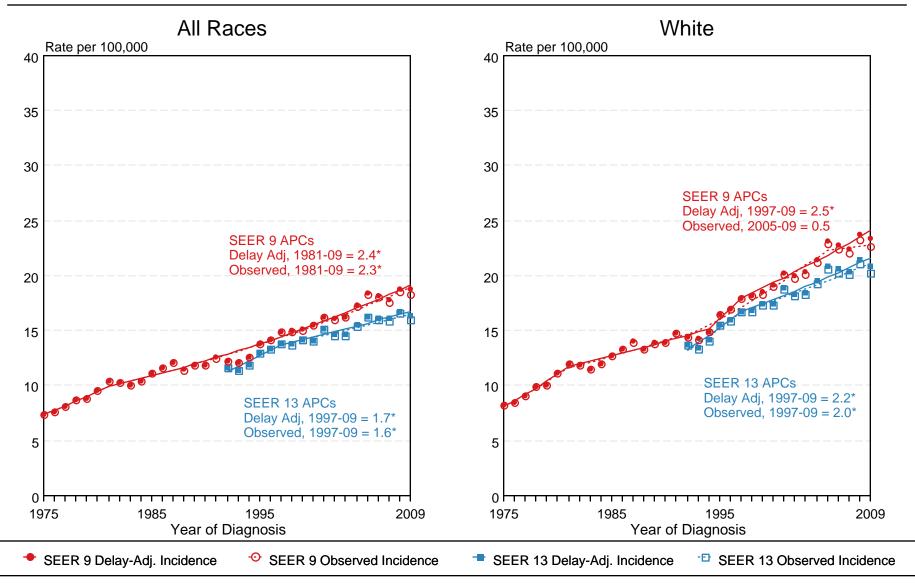
SEER Observed Incidence and SEER Delay Adjusted Incidence Rates^a SEER 9 Areas Compared to SEER 13 Areas Melanoma of the Skin, Male, by Race



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.

SEER Observed Incidence and SEER Delay Adjusted Incidence Rates^a SEER 9 Areas Compared to SEER 13 Areas Melanoma of the Skin, Female, by Race



^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.

Table 18.1 Myeloma

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints, Both Sexes by Race/Ethnicity

| Years APC Years APC <th< th=""><th></th><th>JP Tre</th><th>nd 1</th><th>JP Tre</th><th>end 2</th><th>JP Tre</th><th>end 3</th><th>JP Tr</th><th>end 4</th><th>JP Tre</th><th>end 5</th><th>JP Tr</th><th>end 6</th><th>AAF</th><th>C^{d}</th></th<> | | JP Tre | nd 1 | JP Tre | end 2 | JP Tre | end 3 | JP Tr | end 4 | JP Tre | end 5 | JP Tr | end 6 | AAF | C^{d} |
|--|---------------------------------------|---------------------------|------------------------|---------|-------|---------|-------|-------|-------|--------|-------|-------|-------|---------|---------|
| All Races $1975-09$ $0.7*$ <t< td=""><td></td><td></td><td></td><td>Years</td><td>APC</td><td>Years</td><td>APC</td><td>Years</td><td>APC</td><td>Years</td><td>APC</td><td>Years</td><td>APC</td><td>2000-09</td><td>2005-09</td></t<> | | | | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| All Races $1975-09$ $0.7*$ <t< td=""><td>SEER 9 Delay-Adiu</td><td>sted Incider</td><td>nce^a, 197</td><td>75-2009</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<> | SEER 9 Delay-Adiu | sted Incider | nce ^a , 197 | 75-2009 | | | | | | | | | | | |
| White 1975-96 0.7* 0.7* Black 1975-96 1.3* 1996-02 2.1 2002-09 3.5* SERE 13 Delay-Adjusted Incidence* 1992-2009 0.5* 0.5* 0.5* Milte 1992-09 0.6* 0.6* 0.6* 0.6* SERE 13 Delay-Adjusted Incidence*, 1975-2009 0.6* 0.6* 0.6* 0.6* Mite 1975-99 0.6* 0.2 0.2 0.2 0.2 Black 1975-09 0.6* 0.6* 0.6* 0.6* SEER 13 Observed Incidence*, 1992-2009 0.6* 0.1 0.1 0.1 All Races 1992-09 0.2 0.2 0.2 0.2 0.2 Black 1992-09 0.1 0.1 0.1 0.1 0.1 Mite 1992-09 0.2 0.2 0.2 0.2 0.2 0.2 Black Nu ^{4*} 1992-09 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 <td></td> <td></td> <td></td> <td>5 1007</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.7*</td> <td>0.7*</td> | | | | 5 1007 | | | | | | | | | | 0.7* | 0.7* |
| SEER 13 Delay-Adjusted Incidence ^b , 1992-2009 0.5* 0.5* 0.5* All Races 1992-09 0.6* 0.6* 0.6* SEER 1 Dobserved Incidence ^a , 1975-2009 0.6* 0.6* 0.6* SEER 1 Dobserved Incidence ^a , 1975-97 1.0* 1997-09 0.2 0.2 White 1975-97 1.0* 1997-09 -0.2 0.2 Black 1975-09 0.6* 0.6* 0.6* SEER 13 Observed Incidence ^b , 1992-2009 -0.2 0.1 0.1 0.1 All Races 1992-09 0.6* 0.6* 0.6* 0.6* SEER 13 Observed Incidence ^b , 1992-2009 0.1 0.1 0.1 0.1 Mhite 1992-09 0.2 0.2 0.2 0.2 Black 1992-09 0.1 0.1 0.1 0.1 White 1992-09 0.2 0.2 0.2 0.2 Black 1992-09 0.5 0.5 0.5 0.5 Mile 1975-94 1.4* <td>White</td> <td></td> <td>0.7*</td> <td></td> | White | | | | | | | | | | | | | 0.7* | |
| All Races 1992-09 0.5* 0.5* 0.5* White 1992-09 0.6* 0.6* 0.6* SEER 9 Observed Incidence*, 1975-9209 1.2* 1991-09 0.2 0.2 0.2 Mhite 1975-91 1.0* 1991-09 0.2 -0.2 -0.2 -0.2 Black 1975-90 0.6* 0.6* 0.6* 0.6* SEER 13 Observed Incidence*, 1992-09 0.1 -0.2 -0.2 -0.2 Black 1975-90 0.6* 0.6* 0.6* 0.6* SEER 13 Observed Incidence*, 1992-09 0.1 0.1 0.1 0.1 0.1 White 1992-09 0.1 0.1 0.1 0.1 0.1 White 1992-09 0.2 0.2 0.2 0.2 0.2 Black NH*f 1992-09 0.0 1.4* 0.1 0.5 | | | | 1996-02 | -2.1 | 2002-09 | 3.5* | | | | | | | 2.2* | |
| All Races 1992-09 0.5* 0.5* 0.5* White 1992-09 0.6* 0.6* 0.6* SEER 9 Observed Incidence*, 1975-92009 1.2* 1991-09 0.2 -0.2 0.2 Mhite 1975-91 1.0* 1991-09 0.2 -0.2 0.6* 0.6* SEER 13 Observed Incidence*, 1975-90 0.6* -0.2 0.2 0.2 0.6* Black 1975-91 1.0* 1991-09 0.2 -0.2 0.2 0.6* SEER 13 Observed Incidence*, 1992-09 0.6* -0.2 0.2 0.2 0.6* Mite 1992-09 0.6* 0.6* 0.6* 0.6* Mite 1992-09 0.1 0.1 0.1 0.1 Black Mi*f 1992-09 0.2 0.2 0.2 0.2 0.2 Alf Races 1992-09 0.5 | SEER 13 Delay-Adi | usted Incide | ence ^b , 19 | 92-2009 | | | | | | | | | | | |
| Black 1992-09 0.6* 0.6* 0.6* SEER 9 Observed Incidence*, 1975-2007 1.9* 1991-09 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.6* | | | | | | | | | | | | | | 0.5* | 0.5* |
| $ \frac{\text{SEER 9 observed Incidence8, 1975-2019}{\text{All Races}} 1975-91 1.2* 1991-09 0.2 \\ \text{White 1975-09 0.6*} 1.997-09 0.2 \\ \text{Black 1975-09 0.6*} 0.6* 0.6* 0.6* 0.6* 0.6* 0.6* 0.6* 0.6*$ | White | 1992-09 | 0.4* | | | | | | | | | | | 0.4* | 0.4* |
| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ | Black | 1992-09 | 0.6* | | | | | | | | | | | 0.6* | 0.6* |
| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ | SEER 9 Observed I | ncidence ^a . 1 | 975-2009 |) | | | | | | | | | | | |
| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ | | | | - | 0.2 | | | | | | | | | 0.2 | 0.2 |
| SEER 13 Observed Incidence ^b , 1992-2009All Races1992-090.10.10.1White1992-090.10.10.1White NH ^{ef} 1992-090.20.10.10.1Black1992-090.20.20.20.20.2All Races1992-090.00.50.50.5Hispanic ^f 1992-090.30.50.50.5U.S. Cancer Mortality ^c , 1975-2009All Races1975-941.4*1994-02-0.7*2002-09-1.9*Black1975-823.4*1982-961.2*1996-09-1.8*-1.8*-1.8*U.S. Cancer Mortality ^c , 1975-20091.2*1996-09-1.8*-1.6*-1.9*-1.6*-1.9*Mhite1975-823.4*1982-961.2*1996-09-1.8*-1.6*-1.9*-1.6*-1.9*White1992-942.01994-02-0.6*2002-09-2.0*-1.6*-1.9*-1.6*-1.9*Mhite NH ^{ef} 1992-92-0.11994-02-0.6*2002-09-2.0*-1.6*-2.0*-1.6*-2.0*Black1992-942.01994-02-0.6*2002-09-2.0*-1.6*-1.9*-1.6*-1.9*Mhite NH ^{eff} 1992-02-0.22002-09-2.0*-1.6*-1.9*-1.6*-2.0*-1.6*-2.0*Black1992-09-0.11995-09-1.7*-0.9-1.7*-2.0*< | White | 1975-97 | 1.0* | 1997-09 | -0.2 | | | | | | | | | | -0.2 |
| All Races $1992-09$ 0.1 0.1 0.1 White $1992-09$ 0.1 0.1 0.1 0.1 White NH ^{ef} $1992-09$ 0.2 0.2 0.2 0.2 0.2 Black NH ^{ef} $1992-09$ 0.2 0.2 0.2 0.2 0.2 APr ^e $1992-09$ 0.0 0.0 0.0 0.0 0.0 AI/AN ^{eg} $1992-09$ 0.5 0.5 0.5 0.5 Hispanic ^f $1992-09$ $0.6*$ $2002-09$ $-1.9*$ 0.5 0.5 Mite $1975-2009$ $1.4*$ $1994-02$ $-0.6*$ $2002-09$ $-1.9*$ All Races $1975-94$ $1.4*$ $1994-02$ $-0.6*$ $2002-09$ $-1.9*$ White $1975-94$ $1.4*$ $1994-02$ $-0.6*$ $2002-09$ $-1.9*$ Black $1975-82$ $3.4*$ $1992-09$ $-1.8*$ $-1.6*$ $-1.9*$ Mhite $1975-82$ $3.4*$ $1992-09$ $-1.8*$ $-1.6*$ $-1.9*$ Mhite $1992-94$ 2.0 $1994-02$ $-0.6*$ $2002-09$ $-2.0*$ $-1.6*$ $-1.9*$ White $1992-94$ 2.0 $1994-02$ $-0.6*$ $2002-09$ $-1.9*$ $-1.6*$ $-1.0*$ White $1992-94$ 2.0 $1994-02$ $-0.6*$ $2002-09$ $-2.0*$ $-1.6*$ $-2.0*$ Black $1992-02$ -0.2 $2002-09$ $-2.0*$ $-1.6*$ $-2.0*$ $-2.0*$ Black $1992-09$ -0.2 | Black | 1975-09 | 0.6* | | | | | | | | | | | 0.6* | 0.6* |
| All Races $1992-09$ 0.1 0.1 0.1 White $1992-09$ 0.1 0.1 0.1 0.1 Black $1992-09$ 0.2 0.2 0.2 0.2 0.2 Black NH ^{ef} $1992-09$ 0.2 0.2 0.2 0.2 Black NH ^{ef} $1992-09$ 0.0 0.0 0.0 0.0 AI/AN ^{eg} $1992-09$ 0.5 0.5 0.5 Hispanic ^f $1992-09$ 0.5 0.5 0.5 Hispanic ^f $1992-09$ 0.6^* $2002-09$ -1.9^* All Races $1975-240$ 1.4^* $1994-02$ -0.7^* $2002-09$ All Races $1975-94$ 1.4^* $1994-02$ -0.6^* $2002-09$ Black $1975-82$ 3.4^* $1996-09$ -1.8^* -1.6^* U.S. Cancer Mortality ^C , $1992-2009$ 1.2^* $1996-09$ -1.8^* -1.6^* Mhite $1975-82$ 3.4^* $1992-02$ -0.6^* $2002-09$ -1.8^* Mhite $1992-94$ 2.0 $1994-02$ -0.6^* $2002-09$ -1.8^* Mhite $1992-94$ 2.0 $1994-02$ -0.6^* $2002-09$ -1.9^* White NH ^{ef} $1992-02$ -0.2 $2002-09$ -1.9^* -1.6^* -1.9^* Black $1992-02$ -0.2 $2002-09$ -1.9^* -1.6^* -2.0^* Black $1992-02$ -0.2 $2002-09$ -2.0^* -1.6^* -2.0^* Black $1992-02$ | SEER 13 Observed | Incidence ^b , | 1992-200 |)9 | | | | | | | | | | | |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | | , | | | | | | | | | | | | 0.1 | 0.1 |
| Black1992-090.20.20.20.20.20.20.2APT*1992-090.00.00.00.00.00.0AI/A ^{reg} 1992-090.50.50.50.50.5Hispanic*1992-09-0.3-0.3-0.3-0.3-0.3U.S. Cancer Mortality*, 1975-20091.4*1994-02-0.7*2002-09-1.9*-1.6*-1.9*All Races1975-941.4*1994-02-0.6*2002-09-1.9*-1.6*-1.9*Black1975-823.4*1982-961.2*1996-09-1.8*-1.8*-1.8*-1.8*U.S. Cancer Mortality*, 1992-20091.94+02-0.6*2002-09-2.0*-1.6*-1.9*All Races1992-942.01994-02-0.6*2002-09-2.0*-1.6*-1.9*White1992-920.11994-02-0.6*2002-09-2.0*-1.6*-1.9*Black1992-942.01994-02-0.6*2002-09-2.0*-1.6*-2.0*Black1992-952.71995-09-1.7*-2.0*-2.0*-2.0*-2.0*Black NH**1992-952.71995-09-1.7*-0.9-0.9-0.9AlYAN**1992-09-0.6-0.9-0.9-0.9-0.9-0.9AlYA**1992-09-1.6-1.6-1.6-1.6-1.6 | White | 1992-09 | 0.1 | | | | | | | | | | | 0.1 | 0.1 |
| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ | White NH ^{ef} | 1992-09 | 0.1 | | | | | | | | | | | 0.1 | 0.1 |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | Black | 1992-09 | 0.2 | | | | | | | | | | | 0.2 | 0.2 |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | Black NH ^{ef} | 1992-09 | 0.2 | | | | | | | | | | | 0.2 | 0.2 |
| Hispanic ^f 1992-09 -0.3-0.3-0.3-0.3U.S. Cancer Mortality ^c , 1975-20091.4*1994-02-0.7*2002-09-1.9*All Races1975-941.4*1994-02-0.6*2002-09-1.9*Black1975-823.4*1982-961.2*1996-09-1.8*U.S. Cancer Mortality ^c , 1992-20091.2*1996-09-1.8*-1.8*-1.8*Mhite1992-942.01994-02-0.6*2002-09-2.0*All Races1992-942.01994-02-0.6*2002-09-2.0*Mhite NH ^{ef} 1992-02-0.22002-09-2.0*-1.6*-1.9*Black1992-980.11998-09-2.0*-1.6*-2.0*Black NH ^{ef} 1992-952.71995-09-1.7*-0.9-0.9Alf Ange1992-09-0.9-1.7*-0.9-0.9-0.9Alf Ange1992-09-0.6-1.6*-1.6*-1.6* | API ^e | 1992-09 | 0.0 | | | | | | | | | | | 0.0 | 0.0 |
| U.S. Cancer Mortality ^c , 1975-2009 All Races $1075-94$ $1.4*$ $1994-02$ $-0.7*$ $2002-09$ $-1.9*$ White $1975-94$ $1.4*$ $1994-02$ $-0.6*$ $2002-09$ $-1.9*$ $-1.6*$ $-1.9*$ Black $1975-82$ $3.4*$ $1982-96$ $1.2*$ $1996-09$ $-1.8*$ $-1.8*$ $-1.8*$ U.S. Cancer Mortality ^c , 1992-2009 All Races $1992-94$ 2.0 $1994-02$ $-0.7*$ $2002-09$ $-2.0*$ $-1.6*$ $-1.9*$ White $1992-94$ 2.0 $1994-02$ $-0.6*$ $2002-09$ $-2.0*$ $-1.6*$ $-1.9*$ White NH ^{ef} $1992-02$ -0.2 $2002-09$ $-2.0*$ $-1.6*$ $-1.9*$ Black NH ^{ef} $1992-02$ -0.2 $2002-09$ $-2.0*$ $-1.6*$ $-2.0*$ Black NH ^{ef} $1992-95$ 2.7 $1995-09$ $-1.7*$ $-1.7*$ $-1.7*$ API ^e $1992-09$ -0.9 $-1.7*$ $-1.6*$ $-1.6*$ AI/AN ^{eg} $1992-09$ -1.6 $-1.6*$ $-1.6*$ | AI/AN ^{eg} | 1992-09 | 0.5 | | | | | | | | | | | 0.5 | 0.5 |
| All Races $1975-94$ $1.4*$ $1994-02$ $-0.7*$ $2002-09$ $-1.9*$ White $1975-94$ $1.4*$ $1994-02$ $-0.6*$ $2002-09$ $-1.9*$ Black $1975-82$ $3.4*$ $1982-96$ $1.2*$ $1996-09$ $-1.8*$ $-1.6*$ U.S. Cancer Mortality ^c , $1992-2009$ All Races $1992-94$ 2.0 $1994-02$ $-0.7*$ $2002-09$ $-2.0*$ All Races $1992-94$ 2.0 $1994-02$ $-0.6*$ $2002-09$ $-2.0*$ $-1.6*$ $-1.9*$ White $1992-94$ 2.0 $1994-02$ $-0.6*$ $2002-09$ $-2.0*$ $-1.6*$ $-1.9*$ White NH ^{ef} $1992-02$ -0.2 $2002-09$ $-2.0*$ $-1.6*$ $-1.9*$ Black $1992-98$ 0.1 $1998-09$ $-2.0*$ $-2.0*$ $-2.0*$ Black NH ^{ef} $1992-95$ 2.7 $1995-09$ $-1.7*$ $-1.7*$ $-1.7*$ Apre $1992-09$ -0.9 -0.9 -0.9 -0.9 -0.9 AI/AN ^{eg} $1992-09$ -1.6 -1.6 -1.6 | Hispanic ^f | 1992-09 | -0.3 | | | | | | | | | | | -0.3 | -0.3 |
| White $1975-94$ $1.4*$ $1994-02$ $-0.6*$ $2002-09$ $-1.9*$ Black $1975-82$ $3.4*$ $1982-96$ $1.2*$ $1996-09$ $-1.8*$ $-1.8*$ U.S. Cancer Mortality ^c , $1992-2009$ All Races $1992-94$ 2.0 $1994-02$ $-0.7*$ $2002-09$ $-2.0*$ All Races $1992-94$ 2.0 $1994-02$ $-0.7*$ $2002-09$ $-2.0*$ $-1.6*$ $-1.9*$ White $1992-94$ 2.0 $1994-02$ $-0.6*$ $2002-09$ $-2.0*$ $-1.6*$ $-1.9*$ White NH ^{ef} $1992-02$ -0.2 $2002-09$ $-2.0*$ $-1.6*$ $-1.9*$ Black $1992-98$ 0.1 $1998-09$ $-2.0*$ $-2.0*$ $-2.0*$ Black NH ^{ef} $1992-95$ 2.7 $1995-09$ $-1.7*$ $-1.7*$ $-1.7*$ API ^e $1992-09$ -0.9 -0.9 -0.9 -0.9 -0.9 AI/AN ^{eg} $1992-09$ -1.6 -1.6 -1.6 | U.S. Cancer Morta | lity ^c , 1975- | 2009 | | | | | | | | | | | | |
| Black 1975-82 3.4* 1982-96 1.2* 1996-09 -1.8* -1.8* -1.8* -1.8* U.S. Cancer Mortality ^c , 1992-2009 All Races 1992-94 2.0 1994-02 -0.7* 2002-09 -2.0* -1.6* -1.6* -1.9* All Races 1992-94 2.0 1994-02 -0.6* 2002-09 -2.0* -1.6* -2.0* White 1992-02 -0.2 2002-09 -1.9* -1.6* -2.0* -1.6* -2.0* Black 1992-98 0.1 1998-09 -2.0* | All Races | 1975-94 | 1.4* | 1994-02 | -0.7* | 2002-09 | -1.9* | | | | | | | -1.7* | -1.9* |
| U.S. Cancer Mortality ^c , 1992-2009 All Races 1992-94 2.0 1994-02 -0.7* 2002-09 -2.0* White 1992-94 2.0 1994-02 -0.6* 2002-09 -1.9* White NH ^{ef} 1992-02 -0.2 2002-09 -1.9* -1.6* -1.9* Black 1992-98 0.1 1998-09 -2.0* -1.6* -2.0* Black NH ^{ef} 1992-95 2.7 1995-09 -1.7* -2.0* -2.0* API ^e 1992-09 -0.9 -1.7* -1.7* -1.7* -1.7* API ^e 1992-09 -0.9 -1.6 -1.6 -1.6 -1.6 AI/AN ^{eg} 1992-09 -1.6 -1.6 -1.6 -1.6 | White | 1975-94 | 1.4* | 1994-02 | -0.6* | 2002-09 | -1.9* | | | | | | | -1.6* | -1.9* |
| All Races 1992-94 2.0 1994-02 -0.7* 2002-09 -2.0* White 1992-94 2.0 1994-02 -0.6* 2002-09 -1.9* White NH ^{ef} 1992-02 -0.2 2002-09 -2.0* -1.6* -1.9* Black 1992-98 0.1 1998-09 -2.0* -2.0* -2.0* -2.0* Black NH ^{ef} 1992-95 2.7 1995-09 -1.7* -1.7* -1.7* -1.7* API ^e 1992-09 -0.9 -0.9 -0.9 -0.9 -0.9 -0.9 -1.6 -1.6 AI/AN ^{eg} 1992-09 -1.6 -1.6 -1.6 -1.6 -1.6 | Black | 1975-82 | 3.4* | 1982-96 | 1.2* | 1996-09 | -1.8* | | | | | | | -1.8* | -1.8* |
| White 1992-94 2.0 1994-02 -0.6* 2002-09 -1.9* White NH ^{ef} 1992-02 -0.2 2002-09 -2.0* -1.6* -2.0* Black 1992-98 0.1 1998-09 -2.0* -2.0* -2.0* Black NH ^{ef} 1992-95 2.7 1995-09 -1.7* -1.7* -1.7* API ^e 1992-09 -0.9 -0.9 -0.9 -0.9 -0.9 -0.9 AI/AN ^{eg} 1992-09 -1.6 -1.6 -1.6 -1.6 | U.S. Cancer Morta | lity ^c , 1992- | 2009 | | | | | | | | | | | | |
| White NH ^{ef} 1992-02 -0.2 2002-09 -2.0* Black 1992-98 0.1 1998-09 -2.0* Black NH ^{ef} 1992-95 2.7 1995-09 -1.7* API ^e 1992-09 -0.9 -0.9 -0.9 AI/AN ^{eg} 1992-09 -1.6 -1.6 | All Races | 1992-94 | 2.0 | 1994-02 | -0.7* | 2002-09 | -2.0* | | | | | | | -1.7* | -2.0* |
| Black 1992-98 0.1 1998-09 -2.0* Black 1992-95 2.7 1995-09 -1.7* API ^e 1992-09 -0.9 -0.9 -0.9 AI/AN ^{eg} 1992-09 -1.6 -1.6 | | 1992-94 | | | -0.6* | 2002-09 | -1.9* | | | | | | | -1.6* | |
| Black NH ^{ef} 1992-95 2.7 1995-09 -1.7* API ^e 1992-09 -0.9 -0.9 -0.9 AI/AN ^{eg} 1992-09 -1.6 -1.6 | White NH ^{ef} | 1992-02 | -0.2 | 2002-09 | -2.0* | | | | | | | | | -1.6* | -2.0* |
| API ^e 1992-09 -0.9 -0.9 AI/AN ^{eg} 1992-09 -1.6 -1.6 | | | | | | | | | | | | | | | |
| AI/AN ^{eg} 1992-09 -1.6 -1.6 | | | | 1995-09 | -1.7* | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| Hispanic ^t 1992-01 1.3 2001-09 -3.2* -2.7* -3.2* | · · · · · · · · · · · · · · · · · · · | | | | | | | | | | | | | | |
| | Hispanic [†] | 1992-01 | 1.3 | 2001-09 | -3.2* | | | | | | | | | -2.7* | -3.2* |

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

а

b

С

d

f

g

Table 18.2 Myeloma

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints, Males by Race/Ethnicity

| | JP Tre | nd 1 | JP Tre | end 2 | JP Tre | end 3 | JP Tre | end 4 | JP Tre | end 5 | JP Tr | end 6 | AAF | Cq |
|------------------------|---------------------------|------------------------|---------|-------|---------|-------|--------|-------|--------|-------|-------|-------|---------|---------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| SEER 9 Delay-Adjus | sted Incider | nce ^a , 197 | 5-2009 | | | | | | | | | | | |
| All Races | 1975-09 | 0.8* | | | | | | | | | | | 0.8* | 0.8* |
| White | 1975-09 | 0.8* | | | | | | | | | | | 0.8* | 0.8* |
| Black | 1975-09 | 0.7* | | | | | | | | | | | 0.7* | 0.7* |
| SEER 13 Delay-Adju | usted Incide | ence ^b , 19 | 92-2009 | | | | | | | | | | | |
| All Races | 1992-09 | 0.5* | | | | | | | | | | | 0.5* | 0.5* |
| White | 1992-09 | 0.5* | | | | | | | | | | | 0.5* | 0.5* |
| Black | 1992-09 | 0.9* | | | | | | | | | | | 0.9* | 0.9* |
| SEER 9 Observed In | ncidence ^a , 1 | .975-2009 | | | | | | | | | | | | |
| All Races | 1975-09 | 0.6* | | | | | | | | | | | 0.6* | 0.6* |
| White | 1975-09 | 0.7* | | | | | | | | | | | 0.7* | 0.7* |
| Black | 1975-09 | 0.5* | | | | | | | | | | | 0.5* | 0.5* |
| SEER 13 Observed I | Incidence ^b , | 1992-200 | 9 | | | | | | | | | | | |
| All Races | 1992-09 | 0.2 | | | | | | | | | | | 0.2 | 0.2 |
| White | 1992-09 | 0.2 | | | | | | | | | | | 0.2 | 0.2 |
| White NH ^{ef} | 1992-09 | 0.3 | | | | | | | | | | | 0.3 | 0.3 |
| Black | 1992-09 | 0.5 | | | | | | | | | | | 0.5 | 0.5 |
| Black NH ^{ef} | 1992-09 | 0.5 | | | | | | | | | | | 0.5 | 0.5 |
| API ^e | 1992-09 | -0.3 | | | | | | | | | | | -0.3 | -0.3 |
| AI/AN ^{eg} | 1992-09 | -0.9 | | | | | | | | | | | -0.9 | -0.9 |
| Hispanic ^f | 1992-09 | -0.4 | | | | | | | | | | | -0.4 | -0.4 |
| U.S. Cancer Morta | | 2009 | | | | | | | | | | | | |
| All Races | 1975-94 | 1.5* | 1994-09 | -1.1* | | | | | | | | | -1.1* | -1.1* |
| White | 1975-94 | 1.5* | 1994-09 | -0.9* | | | | | | | | | -0.9* | -0.9* |
| Black | 1975-82 | 3.7* | 1982-94 | 1.2* | 1994-09 | -1.4* | | | | | | | -1.4* | -1.4* |
| U.S. Cancer Mortal | | 2009 | | | | | | | | | | | | |
| All Races | 1992-94 | 3.2 | 1994-09 | -1.1* | | | | | | | | | -1.1* | -1.1* |
| White | 1992-94 | 3.6 | 1994-09 | -1.0* | | | | | | | | | -1.0* | -1.0* |
| White NH ^{ef} | 1992-94 | 4.3 | 1994-09 | -0.9* | | | | | | | | | -0.9* | -0.9* |
| Black | 1992-09 | -1.3* | | | | | | | | | | | -1.3* | -1.3* |
| Black NH ^{ef} | 1992-09 | -1.1* | | | | | | | | | | | -1.1* | -1.1* |
| API ^e | 1992-09 | -0.6 | | | | | | | | | | | -0.6 | -0.6 |
| AI/AN ^{eg} | 1992-09 | -0.9 | | | | | | | | | | | -0.9 | -0.9 |
| Hispanic ^f | 1992-09 | -1.2* | | | | | | | | | | | -1.2* | -1.2* |

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

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Table 18.3 Myeloma

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints, Females by Race/Ethnicity

| | JP Tre | nd 1 | JP Tre | end 2 | JP Tre | end 3 | JP Tr | end 4 | JP Tre | end 5 | JP Tr | end 6 | AAF | PC ^d |
|------------------------|----------------------------|------------------------|---------|-------|---------|-------|-------|-------|--------|-------|-------|-------|---------|-----------------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| SEER 9 Delay-Adju | usted Incider | nce ^a , 197 | 5-2009 | | | | | | | | | | | |
| All Races | 1975-09 | 0.6* | | | | | | | | | | | 0.6* | 0.6* |
| White | 1975-09 | 0.5* | | | | | | | | | | | 0.5* | 0.5* |
| Black | 1975-09 | 0.9* | | | | | | | | | | | 0.9* | 0.9* |
| SEER 13 Delay-Ad | justed Incide | ence ^b , 19 | 92-2009 | | | | | | | | | | | |
| All Races | 1992-09 | 0.3 | | | | | | | | | | | 0.3 | 0.3 |
| White | 1992-09 | 0.1 | | | | | | | | | | | 0.1 | 0.1 |
| Black | 1992-09 | 0.4 | | | | | | | | | | | 0.4 | 0.4 |
| SEER 9 Observed 1 | Incidence ^a 1 | 975-2000 |) | | | | | | | | | | | |
| All Races | 1975-92 | 1.1* | 1992-09 | 0.0 | | | | | | | | | 0.0 | 0.0 |
| White | 1975-09 | 0.3* | | | | | | | | | | | 0.3* | 0.3* |
| Black | 1975-09 | 0.7* | | | | | | | | | | | 0.7* | 0.7* |
| SEER 13 Observed | Traidonao ^b | 1002-200 | 10 | | | | | | | | | | | |
| All Races | 1992-09 | -0.1 | 19 | | | | | | | | | | -0.1 | -0.1 |
| White | 1992-09 | -0.3 | | | | | | | | | | | -0.3 | -0.3 |
| White NH ^{ef} | 1992-09 | -0.3 | | | | | | | | | | | -0.3 | -0.3 |
| Black | 1992-09 | 0.0 | | | | | | | | | | | 0.0 | 0.0 |
| Black NH ^{ef} | 1992-09 | 0.0 | | | | | | | | | | | 0.0 | 0.0 |
| API ^e | 1992-09 | 0.5 | | | | | | | | | | | 0.5 | 0.5 |
| AI/AN ^{eg} | 1992-09 | 1.7 | | | | | | | | | | | 1.7 | 1.7 |
| Hispanic ^f | 1992-09 | -0.3 | | | | | | | | | | | -0.3 | -0.3 |
| U.S. Cancer Morta | ality ^c , 1975- | 2009 | | | | | | | | | | | | |
| All Races | 1975-93 | 1.5* | 1993-02 | -0.5* | 2002-09 | -2.9* | | | | | | | -2.3* | -2.9* |
| White | 1975-93 | 1.4* | 1993-02 | -0.5* | 2002-09 | -2.8* | | | | | | | -2.3* | -2.8* |
| Black | 1975-96 | 2.0* | 1996-09 | -2.2* | | | | | | | | | -2.2* | -2.2* |
| U.S. Cancer Morta | ality ^c , 1992- | 2009 | | | | | | | | | | | | |
| All Races | 1992-01 | -0.2 | 2001-09 | -2.7* | | | | | | | | | -2.4* | -2.7* |
| White | 1992-02 | -0.4 | 2002-09 | -2.8* | | | | | | | | | -2.3* | -2.8* |
| White NH ^{ef} | 1992-02 | -0.4 | 2002-09 | -2.9* | | | | | | | | | -2.3* | -2.9* |
| Black | 1992-00 | 0.1 | 2000-09 | -2.9* | | | | | | | | | -2.9* | -2.9* |
| Black NH ^{ef} | 1992-99 | 0.5 | 1999-09 | -2.5* | | | | | | | | | -2.5* | -2.5* |
| API ^e | 1992-09 | -1.0 | | | | | | | | | | | -1.0 | -1.0 |
| AI/AN ^{eg} | 1992-09 | -2.3 | | | | | | | | | | | -2.3 | -2.3 |
| Hispanic ^f | 1992-97 | 6.1 | 1997-09 | -2.5* | | | | | | | | | -2.5* | -2.5* |
| | | | | | | | | | | | | | | |

Joinpoint Regression Program Version 3.5, April 2011, National Cancer Institute. (<u>http://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

- 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, SC, 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.

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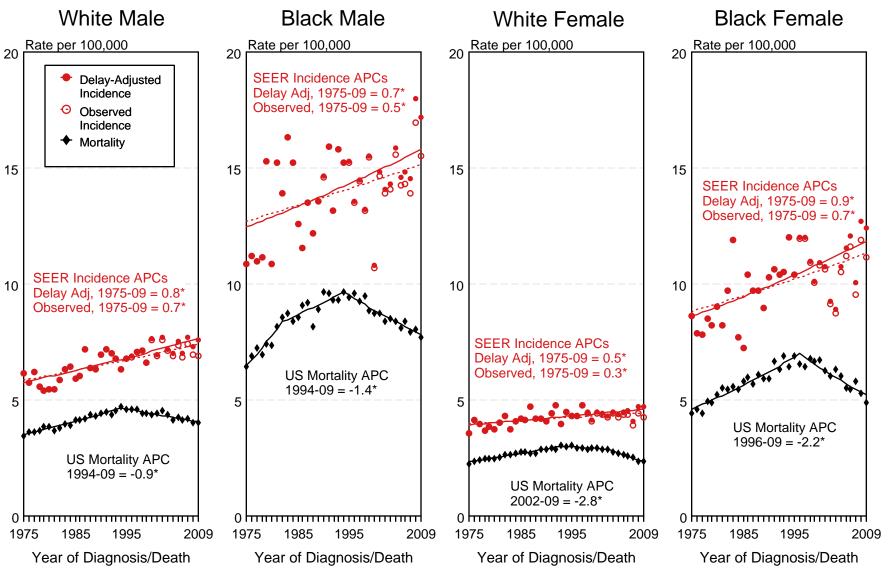
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SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates^a Myeloma, by Race and Sex



 ^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 and SEER Delay Adjusted Incidence Rates^a SEER 9 Areas Compared to SEER 13 Areas Myeloma, Male, by Race

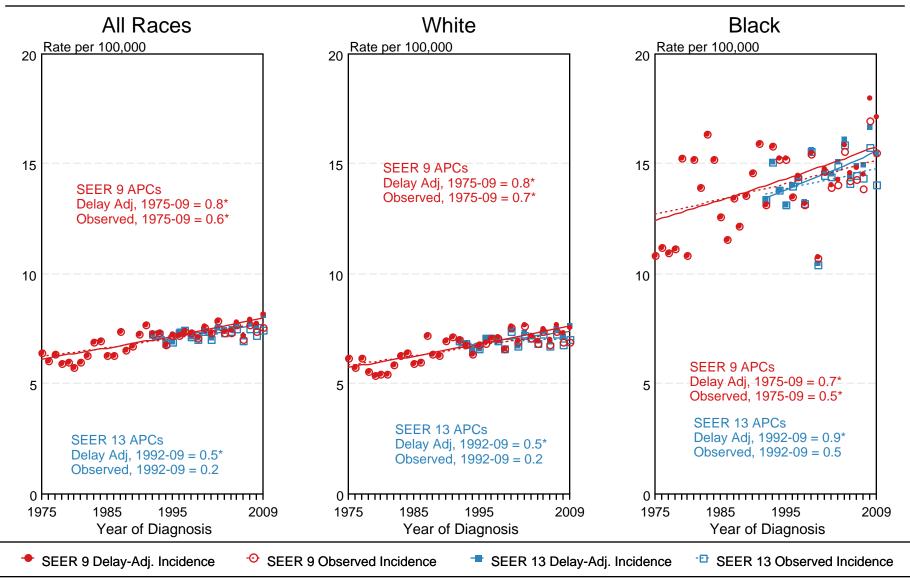


Figure 18.3

^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).

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

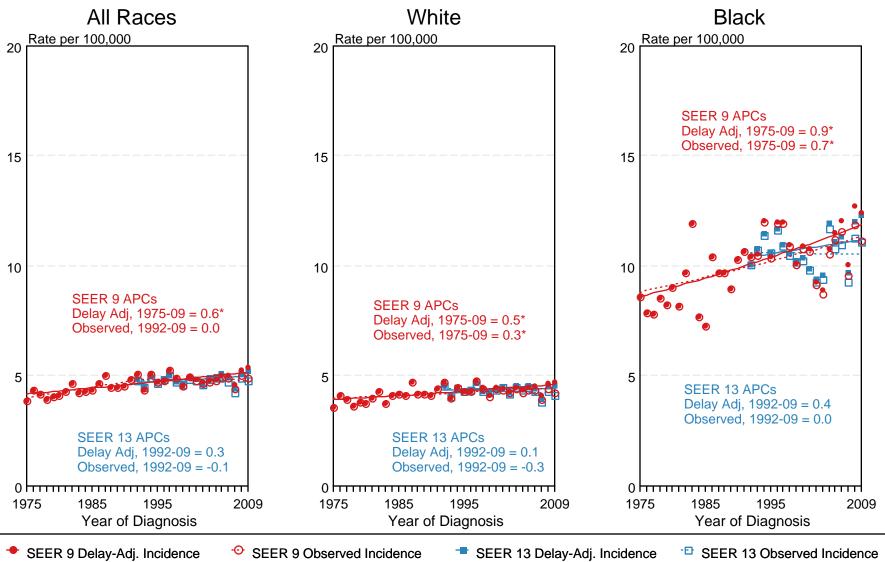


Figure 18.4

^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).

Table 19.1 Non-Hodgkin Lymphoma

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 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 | 2000-09 | 2005-09 |
| SEER 9 Delay-Adjusted Incidence ^a , 1975-2009 | | | | | | | | | | | | | | |
| All Races | 1975-91 | 3.6* | 1991-09 | 0.6* | | | | | | | | | 0.6* | 0.6* |
| White | 1975-91 | 3.7* | 1991-09 | 0.6* | | | | | | | | | 0.6* | 0.6* |
| Black | 1975-93 | 4.8* | 1993-09 | 0.7 | | | | | | | | | 0.7 | 0.7 |
| SEER 13 Delay-Adjusted Incidence ^b , 1992-2009 | | | | | | | | | | | | | | |
| All Races | 1992-09 | 0.5* | | | | | | | | | | | 0.5* | 0.5* |
| White | 1992-09 | 0.5* | | | | | | | | | | | 0.5* | 0.5* |
| Black | 1992-97 | 3.9* | 1997-00 | -4.0 | 2000-04 | 4.2 | 2004-09 | -1.7 | | | | | 0.9 | -1.7 |
| SEER 9 Observed Incidence ^a , 1975-2009 | | | | | | | | | | | | | | |
| All Races | 1975-91 | 3.7* | 1991-09 | 0.5* | | | | | | | | | 0.5* | 0.5* |
| White | 1975-90 | 3.8* | 1990-04 | 0.8* | 2004-09 | -0.6 | | | | | | | 0.0 | -0.6 |
| Black | 1975-94 | 4.6* | 1994-09 | 0.3 | | | | | | | | | 0.3 | 0.3 |
| SEER 13 Observed Incidence ^b , 1992-2009 | | | | | | | | | | | | | | |
| All Races | 1992-09 | 0.4* | | | | | | | | | | | 0.4* | 0.4* |
| White | 1992-09 | 0.4* | | | | | | | | | | | 0.4* | 0.4* |
| White NH ^{ef} | 1992-09 | 0.5* | | | | | | | | | | | 0.5* | 0.5* |
| Black | 1992-97 | 3.8* | 1997-00 | -4.1 | 2000-04 | 4.1 | 2004-09 | | | | | | 0.5 | -2.3* |
| Black NH ^{ef} | 1992-97 | 3.7* | 1997-00 | -4.0 | 2000-04 | 4.0 | 2004-09 | -2.2* | | | | | 0.5 | -2.2* |
| API ^e | 1992-09 | 0.2 | | | | | | | | | | | 0.2 | 0.2 |
| AI/AN ^{eg} | 1992-09 | 2.8* | | | | | | | | | | | 2.8* | 2.8* |
| Hispanic ^f | 1992-09 | 0.3* | | | | | | | | | | | 0.3* | 0.3* |
| U.S. Cancer Mortality ^c , 1975-2009 | | | | | | | | | | | | | | |
| All Races | 1975-91 | 2.5* | 1991-97 | 1.6* | 1997-09 | -3.0* | | | | | | | -3.0* | -3.0* |
| White | 1975-91 | 2.5* | 1991-97 | 1.6* | 1997-09 | -3.0* | | | | | | | -3.0* | -3.0* |
| Black | 1975-96 | 2.7* | 1996-09 | -2.6* | | | | | | | | | -2.6* | -2.6* |
| <u>U.S. Cancer Morta</u> | lity ^c , 1992- | 2009 | | | | | | | | | | | | |
| All Races | 1992-97 | 1.6* | 1997-09 | -3.0* | | | | | | | | | -3.0* | -3.0* |
| White | 1992-97 | 1.6* | 1997-09 | -3.0* | | | | | | | | | -3.0* | -3.0* |
| White NH ^{ef} | 1992-97 | 1.8* | 1997-09 | -2.9* | | | | | | | | | -2.9* | -2.9* |
| Black | 1992-97 | 1.9 | 1997-09 | -2.8* | | | | | | | | | -2.8* | -2.8* |
| Black NH ^{ef} | 1992-96 | 3.7 | 1996-09 | -2.4* | | | | | | | | | -2.4* | -2.4* |
| API ^e | 1992-09 | -2.1* | | | | | | | | | | | -2.1* | -2.1* |
| AI/AN ^{eg} | 1992-09 | 0.0 | 1006 65 | a = : | | | | | | | | | 0.0 | 0.0 |
| Hispanic ^f | 1992-96 | 3.8 | 1996-09 | -2.7* | | | | | | | | | -2.7* | -2.7* |

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

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Table 19.2 Non-Hodgkin Lymphoma

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints, Males by Race/Ethnicity

| <u>SEER 9 Delay-Adjusted Incidence^a, 1975-2009</u> All Races 1975-91 4.2* 1991-09 0.4* 0.4* | 0.4* 0.5* 0.5 |
|---|---------------------|
| All Races 1975-91 4.2* 1991-09 0.4* 0.4* | 0.5* |
| All Races 1975-91 4.2* 1991-09 0.4* 0.4* | 0.5* |
| | |
| White 1975-90 4.5* 1990-09 0.5* 0.5* | 0.5 |
| Black 1975-94 5.5* 1994-09 -0.5 -0.5 | |
| SEER 13 Delay-Adjusted Incidence ^b , 1992-2009 | |
| | 0.2 |
| | 0.3* |
| | 0.1 |
| SEER 9 Observed Incidence ^a , 1975-2009 | |
| | 0.3* |
| | 0.4* |
| | 0.7 |
| SEER 13 Observed Incidence ^b , 1992-2009 | |
| | 0.1 |
| | 0.1 |
| | 0.3* |
| | 0.3 |
| | 0.3 |
| API ^e 1992-09 0.1 0.1 | 0.1 |
| AI/AN ^{eg} 1992-09 2.2 2.2 | 2.2 |
| Hispanic ^f 1992-09 -0.2 -0.2 -0.2 | 0.2 |
| U.S. Cancer Mortality ^c , 1975–2009 | |
| | 2.7* |
| White 1975-96 2.5* 1996-09 -2.6* -2.6* | 2.6* |
| Black 1975-96 2.7* 1996-09 -2.6* -2.6* | 2.6* |
| U.S. Cancer Mortality ^c , 1992–2009 | |
| | 2.7* |
| | 2.7* |
| | 2.6* |
| Black 1992-09 -1.8* -1.8* -1.8* | 1.8* |
| | 1.6* |
| | 2.3* |
| | 1.1 |
| Hispanic ^f 1992-96 3.5 1996-09 -3.0* -3.0* | 3.0* |

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

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Table 19.3 Non-Hodgkin Lymphoma

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 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 | 2000-09 | 2005-09 |
| SEER 9 Delay-Adjusted Incidence ^a , 1975-2009 | | | | | | | | | | | | | | |
| All Races | 1975-90 | 2.8* | 1990-04 | 1.3* | 2004-09 | -0.4 | | | | | | | 0.4 | -0.4 |
| White | 1975-88 | 3.1* | 1988-04 | 1.4* | 2004-09 | -0.8 | | | | | | | 0.2 | -0.8 |
| Black | 1975-09 | 2.5* | | | | | | | | | | | 2.5* | 2.5* |
| SEER 13 Delay-Adjus | 92-2009 | | | | | | | | | | | | | |
| All Races | 1992-03 | 1.4* | 2003-09 | -0.1 | | | | | | | | | 0.4 | -0.1 |
| White | 1992-04 | 1.3* | 2004-09 | -0.3 | | | | | | | | | 0.4 | -0.3 |
| Black | 1992-98 | 5.5* | 1998-09 | 0.7 | | | | | | | | | 0.7 | 0.7 |
| SEER 9 Observed Incidence ^a , 1975-2009 | | | | | | | | | | | | | | |
| All Races | 1975-90 | 2.8* | 1990-04 | 1.2* | 2004-09 | -0.8 | | | | | | | 0.1 | -0.8 |
| White | 1975-88 | 3.1* | 1988-04 | 1.4* | 2004-09 | -1.3 | | | | | | | -0.1 | -1.3 |
| Black | 1975-09 | 2.4* | | | | | | | | | | | 2.4* | 2.4* |
| SEER 13 Observed Incidence ^b , 1992-2009 | | | | | | | | | | | | | | |
| All Races | 1992-03 | 1.3* | 2003-09 | -0.5 | | | | | | | | | 0.1 | -0.5 |
| White | 1992-04 | 1.2* | 2004-09 | -0.8 | | | | | | | | | 0.1 | -0.8 |
| White NH ^{ef} | 1992-04 | 1.4* | 2004-09 | -1.1 | | | | | | | | | 0.0 | -1.1 |
| Black | 1992-98 | 5.6* | 1998-09 | 0.4 | | | | | | | | | 0.4 | 0.4 |
| Black NH ^{ef} | 1992-98 | 5.4* | 1998-09 | 0.5 | | | | | | | | | 0.5 | 0.5 |
| API ^e | 1992-09 | 0.5 | | | | | | | | | | | 0.5 | 0.5 |
| AI/AN ^{eg} | 1992-09 | 3.2* | | | | | | | | | | | 3.2* | 3.2* |
| Hispanic ^f | 1992-09 | 1.0* | | | | | | | | | | | 1.0* | 1.0* |
| <u>U.S. Cancer Mortali</u> | | | | | | | | | | | | | | |
| All Races | 1975-94 | 2.2* | 1994-97 | 1.0 | 1997-09 | -3.4* | | | | | | | -3.4* | -3.4* |
| White | 1975-88 | 2.4* | 1988-97 | 1.8* | 1997-09 | -3.4* | | | | | | | -3.4* | -3.4* |
| Black | 1975-97 | 2.6* | 1997-09 | -2.9* | | | | | | | | | -2.9* | -2.9* |
| <u>U.S. Cancer Mortali</u> | | | | | | | | | | | | | | |
| All Races | 1992-94 | 3.4* | 1994-98 | 0.2 | 1998-04 | -3.8* | 2004-09 | -3.1* | | | | | -3.4* | -3.1* |
| White | 1992-94 | 3.5* | 1994-98 | 0.1 | 1998-04 | -3.8* | 2004-09 | -3.0* | | | | | -3.4* | -3.0* |
| White NH ^{ef} | 1992-94 | 4.0* | 1994-98 | -0.1 | 1998-09 | -3.4* | | | | | | | -3.4* | -3.4* |
| Black | 1992-97 | 2.3 | 1997-09 | -2.7* | | | | | | | | | -2.7* | -2.7* |
| Black NH ^{ef} | 1992-97 | 3.0 | 1997-09 | -2.7* | | | | | | | | | -2.7* | -2.7* |
| API ^e | 1992-09 | -1.7* | | | | | | | | | | | -1.7* | -1.7* |
| AI/AN ^{eg} | 1992-09 | 0.7 | | | | | | | | | | | 0.7 | 0.7 |
| $Hispanic^{f}$ | 1992-97 | 3.0 | 1997-09 | -2.6* | | | | | | | | | -2.6* | -2.6* |

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

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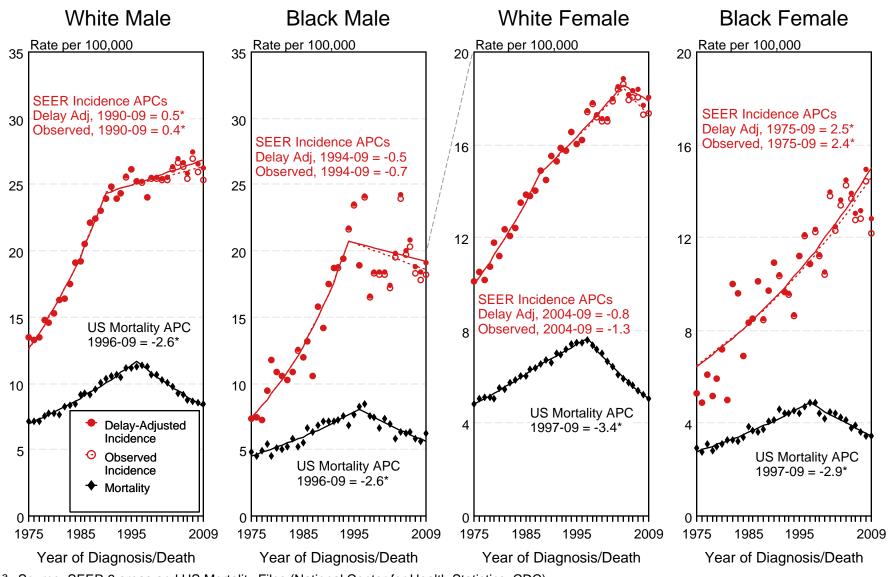
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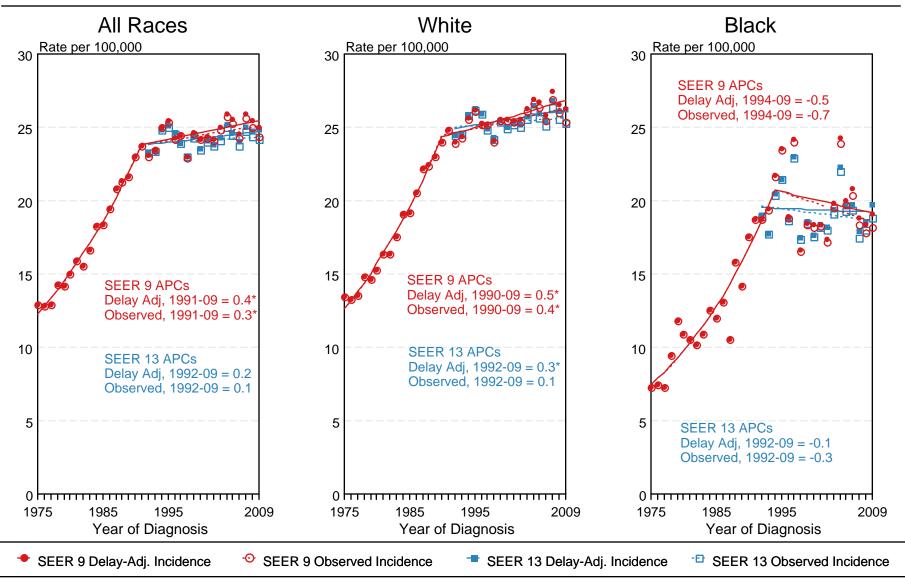
SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates^a Non-Hodgkin Lymphoma, by Race and Sex



^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 and SEER Delay Adjusted Incidence Rates^a SEER 9 Areas Compared to SEER 13 Areas Non-Hodgkin Lymphoma, Male, by Race

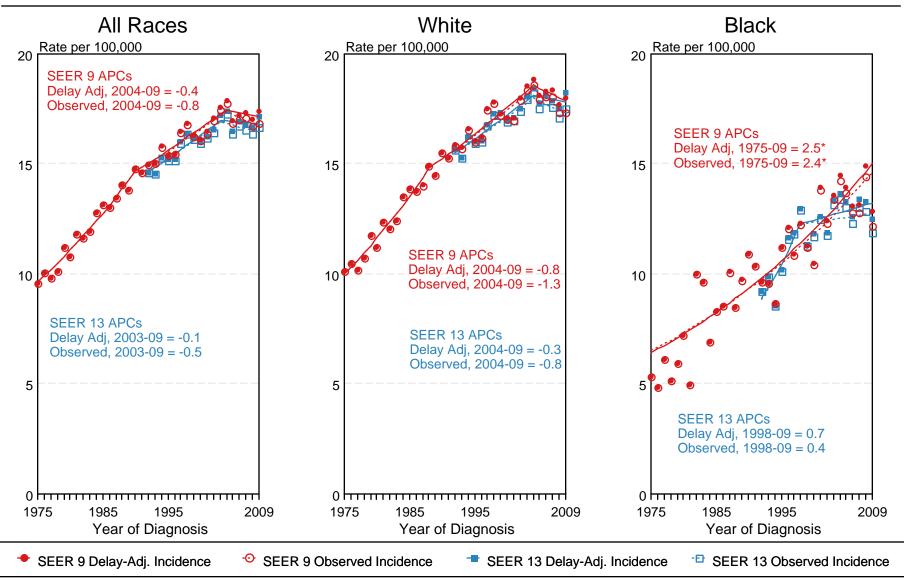


^a Source: SEER 9 areas and SEER 13 areas.

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 Non-Hodgkin Lymphoma, Female, by Race



^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).

National Cancer Institute

Table 20.1 Cancer of the Oral Cavity and Pharynx (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints, Both Sexes by Race/Ethnicity

| | JP Tre | nd 1 | JP Tre | end 2 | JP Tre | end 3 | JP Tre | end 4 | JP Tre | end 5 | JP Tr | end 6 | AAP | C^d |
|------------------------|---------------------------|------------------------|--------------|-------|---------|-------|---------|-------|--------|-------|-------|-------|---------|---------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| SEER 9 Delay-Adju | sted Inciden | nce ^a , 197 | 5-2009 | | | | | | | | | | | |
| All Races | 1975-81 | 0.7 | 1981-03 | -1.1* | 2003-09 | 0.6 | | | | | | | 0.0 | 0.6 |
| White | 1975-03 | -0.9* | 2003-09 | 0.8 | | | | | | | | | 0.3 | 0.8 |
| Black | 1975-84 | 2.4* | 1984-09 | -2.5* | | | | | | | | | -2.5* | -2.5* |
| SEER 13 Delay-Adj | usted Incide | ence ^b , 19 | 92-2009 | | | | | | | | | | | |
| All Races | 1992-05 | -1.2* | 2005-09 | 1.3 | | | | | | | | | -0.1 | 1.3 |
| White | 1992-05 | -0.9* | 2005-09 | 1.8 | | | | | | | | | 0.3 | 1.8 |
| Black | 1992-09 | -2.5* | | | | | | | | | | | -2.5* | -2.5* |
| SEER 9 Observed I | ncidence ^a , 1 | 975-2009 |) | | | | | | | | | | | |
| All Races | 1975-81 | 0.7 | - 1981-03 | -1.1* | 2003-09 | 0.4 | | | | | | | -0.1 | 0.4 |
| White | 1975-83 | 0.1 | 1983-00 | -1.2* | 2000-09 | 0.3 | | | | | | | 0.3 | 0.3 |
| Black | 1975-84 | 2.4* | 1984-09 | -2.5* | | | | | | | | | -2.5* | -2.5* |
| SEER 13 Observed 1 | Incidence ^b , | 1992-200 | 19 | | | | | | | | | | | |
| All Races | 1992-05 | -1.2* | 2005-09 | 1.1 | | | | | | | | | -0.2 | 1.1 |
| White | 1992-05 | -1.0* | 2005-09 | 1.5 | | | | | | | | | 0.1 | 1.5 |
| White NH ^{ef} | 1992-03 | -0.9* | 2003-09 | 0.8 | | | | | | | | | 0.2 | 0.8 |
| Black | 1992-09 | -2.6* | | | | | | | | | | | -2.6* | -2.6* |
| Black NH ^{ef} | 1992-09 | -2.6* | | | | | | | | | | | -2.6* | -2.6* |
| API ^e | 1992-09 | -0.9* | | | | | | | | | | | -0.9* | -0.9* |
| AI/AN ^{eg} | 1992-09 | -3.0* | | | | | | | | | | | -3.0* | -3.0* |
| Hispanic ^f | 1992-06 | -1.9* | 2006-09 | 7.1* | | | | | | | | | 1.0 | 4.8* |
| U.S. Cancer Morta | | 2009 | | | | | | | | | | | | |
| All Races | 1975-79 | -0.5 | 1979-93 | -1.7* | 1993-00 | -2.7* | 2000-09 | -1.4* | | | | | -1.4* | -1.4* |
| White | 1975-01 | -1.9* | 2001-09 | -1.2* | | | | | | | | | -1.3* | -1.2* |
| Black | 1975-80 | 3.3* | 1980-93 | -1.5* | 1993-09 | -3.9* | | | | | | | -3.9* | -3.9* |
| U.S. Cancer Morta | lity ^c , 1992- | 2009 | | | | | | | | | | | | |
| All Races | 1992-00 | -2.6* | 2000-09 | -1.4* | | | | | | | | | -1.4* | -1.4* |
| White | 1992-00 | -2.3* | 2000-09 | -1.0* | | | | | | | | | -1.0* | -1.0* |
| White NH ^{ef} | 1992-00 | -2.1* | 2000-09 | -0.7* | | | | | | | | | -0.7* | -0.7* |
| Black | 1992-09 | -3.8* | | | | | | | | | | | -3.8* | -3.8* |
| Black NH ^{ef} | 1992-09 | -3.6* | | | | | | | | | | | -3.6* | -3.6* |
| API ^e | 1992-09 | -2.4* | | | | | | | | | | | -2.4* | -2.4* |
| AI/AN ^{eg} | 1992-09 | -2.4* | | | | | | | | | | | -2.4* | -2.4* |
| Hispanic ^f | 1992-09 | -2.9* | | | | | | | | | | | -2.9* | -2.9* |

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

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Table 20.3 Cancer of the Oral Cavity and Pharynx (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints, Males by Race/Ethnicity

| | JP Tren | nd 1 | JP Tre | end 2 | JP Tre | end 3 | JP Tre | end 4 | JP Tre | end 5 | JP Tre | end 6 | AAP | C^d |
|---------------------------------------|----------------------------|--------------------------|---------|------------|---------|-------|--------|-------|--------|-------|--------|-------|---------|---------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| SEER 9 Delay-Adju | sted Inciden | ce ^a 197 | 25-2009 | | | | | | | | | | | |
| All Races | | -0.1 | 1983-01 | -1.5* | 2001-09 | 0.2 | | | | | | | 0.0 | 0.2 |
| White | | -1.2* | 2001-09 | 0.6 | | | | | | | | | 0.4 | 0.6 |
| Black | 1975-87 | 1.8* | 1987-09 | -3.1* | | | | | | | | | -3.1* | -3.1* |
| | | b 10 | | | | | | | | | | | | |
| <u>SEER 13 Delay-Ad</u> All Races | | <u>nce", 19</u> -1.4* | 2005-09 | 1.8 | | | | | | | | | 0.0 | 1.8 |
| White | | -1.4* -1.0* | 2005-09 | 1.8 3.2 | | | | | | | | | 0.0 | 2.2 |
| Black | | -1.0* | 2000-09 | 5.4 | | | | | | | | | -2.9* | -2.9* |
| | | | | | | | | | | | | | -2.9 | -2.9 |
| <u>SEER 9 Observed 1</u> | | | - | | | | | | | | | | | |
| All Races | | -0.1 | 1983-01 | -1.5* | 2001-09 | 0.1 | | | | | | | -0.1 | 0.1 |
| White | | -1.2* | 2001-09 | 0.4 | | | | | | | | | 0.2 | 0.4 |
| Black | 1975-87 | 1.8* | 1987-09 | -3.1* | | | | | | | | | -3.1* | -3.1* |
| SEER 13 Observed | Incidence ^b , 1 | 1992-200 | 19 | | | | | | | | | | | |
| All Races | 1992-05 | -1.4* | 2005-09 | 1.5 | | | | | | | | | -0.1 | 1.5 |
| White | 1992-01 | -1.5* | 2001-09 | 0.4 | | | | | | | | | 0.2 | 0.4 |
| White NH ^{ef} | 1992-01 | -1.2* | 2001-09 | 0.6 | | | | | | | | | 0.4 | 0.6 |
| Black | 1992-09 | -3.0* | | | | | | | | | | | -3.0* | -3.0* |
| Black NH ^{ef} | 1992-09 | -3.0* | | | | | | | | | | | -3.0* | -3.0* |
| API ^e | 1992-09 | -0.9* | | | | | | | | | | | -0.9* | -0.9* |
| AI/AN ^{eg} | 1992-09 | -5.2* | | | | | | | | | | | -5.2* | -5.2* |
| Hispanic ^f | 1992-06 | -2.4* | 2006-09 | 7.9 | | | | | | | | | 0.9 | 5.2 |
| U.S. Cancer Morta | ality ^c 1975-2 | 2009 | | | | | | | | | | | | |
| All Races | | -1.9* | 1993-99 | -3.1* | 1999-09 | -1.3* | | | | | | | -1.3* | -1.3* |
| White | | -2.2* | 2000-09 | -1.0* | 1999 09 | 1.0 | | | | | | | -1.0* | -1.0* |
| Black | 1975-80 | 3.8* | 1980-92 | -1.4* | 1992-09 | -3.8* | | | | | | | -3.8* | -3.8* |
| | 1.1. 6 1000 0 | | | | | | | | | | | | | |
| <u>U.S. Cancer Morta</u> All Races | | -2.8* | 2000-09 | -1.3* | | | | | | | | | -1.3* | -1.3* |
| White | | -2.5* | 2000-09 | -0.8* | | | | | | | | | -0.8* | -0.8* |
| White NH ^{ef} | | -2.3* | 2000-09 | -0.8" | | | | | | | | | -0.5 | -0.5 |
| Black | | -3.8* | 2000-09 | -0.5 | | | | | | | | | -3.8* | -3.8* |
| Black NH ^{ef} | | -4.5* | 2001-04 | 1.2 | 2004-09 | -5 9* | | | | | | | -3.4* | -5.9* |
| API ^e | | -2.5* | 2001 01 | 1.4 | 2001 07 | 5.2 | | | | | | | -2.5* | -2.5* |
| AI/AN ^{eg} | | -2.8* | | | | | | | | | | | -2.8* | -2.8* |
| Hispanic ^f | | -3.6* | | | | | | | | | | | -3.6* | -3.6* |
| | 1//2 0/ | 5.0 | | | | | | | | | | | 5.5 | 5.0 |

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

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Table 20.4 Cancer of the Oral Cavity and Pharynx (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints, Females by Race/Ethnicity

| | JP Tren | nd 1 | JP Tre | end 2 | JP Tre | end 3 | JP Tre | end 4 | JP Tre | end 5 | JP Tre | end 6 | AAP | C^{d} |
|------------------------|---------------------------|-----------------------|---------|-------|--------|-------|--------|-------|--------|-------|--------|-------|---------|---------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| SEER 9 Delay-Adjus | ted Incidenc | ce ^a . 197 | 5-2009 | | | | | | | | | | | |
| All Races | 1975-79 | 3.4 | 1979-09 | -0.8* | | | | | | | | | -0.8* | -0.8* |
| White | 1975-81 | 1.8 | 1981-09 | -0.8* | | | | | | | | | -0.8* | -0.8* |
| Black | 1975-09 | -1.4* | | | | | | | | | | | -1.4* | -1.4* |
| SEER 13 Delay-Adju | sted Incider | nce ^b , 19 | 92-2009 | | | | | | | | | | | |
| All Races | 1992-09 | -0.9* | | | | | | | | | | | -0.9* | -0.9* |
| White | 1992-09 | -0.9* | | | | | | | | | | | -0.9* | -0.9* |
| Black | 1992-09 | -1.3* | | | | | | | | | | | -1.3* | -1.3* |
| SEER 9 Observed In | cidence ^a , 19 | 975-2009 | | | | | | | | | | | | |
| All Races | 1975-80 | 2.4 | 1980-09 | -0.9* | | | | | | | | | -0.9* | -0.9* |
| White | 1975-81 | 1.9 | 1981-09 | -0.9* | | | | | | | | | -0.9* | -0.9* |
| Black | 1975-09 | -1.4* | | | | | | | | | | | -1.4* | -1.4* |
| SEER 13 Observed I | ncidence ^b , 1 | L992-200 | 9 | | | | | | | | | | | |
| All Races | 1992-09 | -1.0* | | | | | | | | | | | -1.0* | -1.0* |
| White | | -1.0* | | | | | | | | | | | -1.0* | -1.0* |
| White NH ^{ef} | | -0.9* | | | | | | | | | | | -0.9* | -0.9* |
| Black | | -1.4* | | | | | | | | | | | -1.4* | -1.4* |
| Black NH ^{ef} | | -1.3* | | | | | | | | | | | -1.3* | -1.3* |
| API ^e | | -0.8 | | | | | | | | | | | -0.8 | -0.8 |
| AI/AN ^{eg} | 1992-09 | 0.6 | | | | | | | | | | | 0.6 | 0.6 |
| Hispanic ^f | 1992-09 | -0.6 | | | | | | | | | | | -0.6 | -0.6 |
| U.S. Cancer Mortal | ÷ / | | | | | | | | | | | | | |
| All Races | | -1.0* | 1990-09 | -2.3* | | | | | | | | | -2.3* | -2.3* |
| White | | -1.0* | 1989-09 | -2.1* | | | | | | | | | -2.1* | -2.1* |
| Black | 1975-91 | -0.2 | 1991-09 | -3.7* | | | | | | | | | -3.7* | -3.7* |
| U.S. Cancer Mortal | | | | | | | | | | | | | | |
| All Races | | -2.2* | | | | | | | | | | | -2.2* | -2.2* |
| White | | -2.0* | | | | | | | | | | | -2.0* | -2.0* |
| White NH ^{ef} | | -1.8* | | | | | | | | | | | -1.8* | -1.8* |
| Black | | -3.7* | | | | | | | | | | | -3.7* | -3.7* |
| Black NH ^{ef} | | -3.5* | | | | | | | | | | | -3.5* | -3.5* |
| API ^e | | -1.9* | | | | | | | | | | | -1.9* | -1.9* |
| AI/AN ^{eg} | | -1.2 | | | | | | | | | | | -1.2 | -1.2 |
| Hispanic ^f | 1992-09 | -1.5* | | | | | | | | | | | -1.5* | -1.5* |

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

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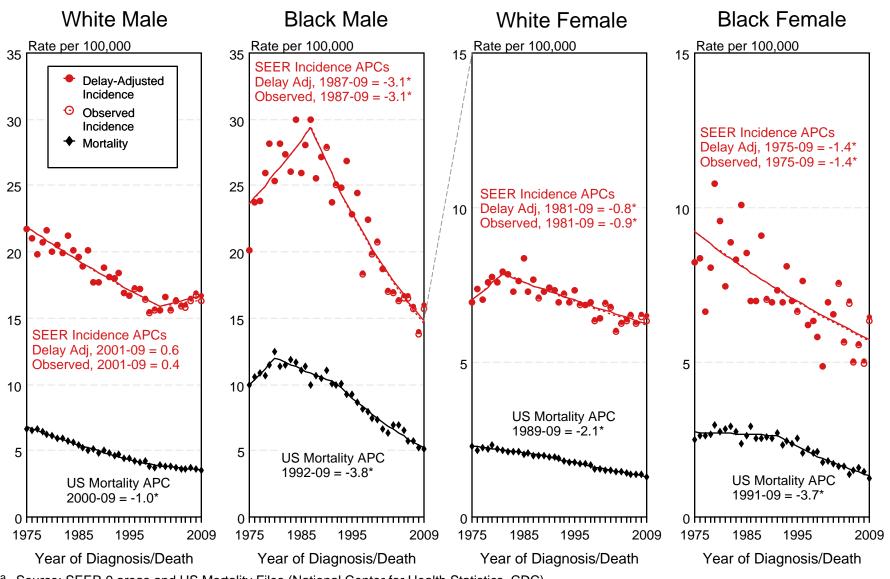
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SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates^a Cancer of the Oral Cavity and Pharynx, by Race and Sex

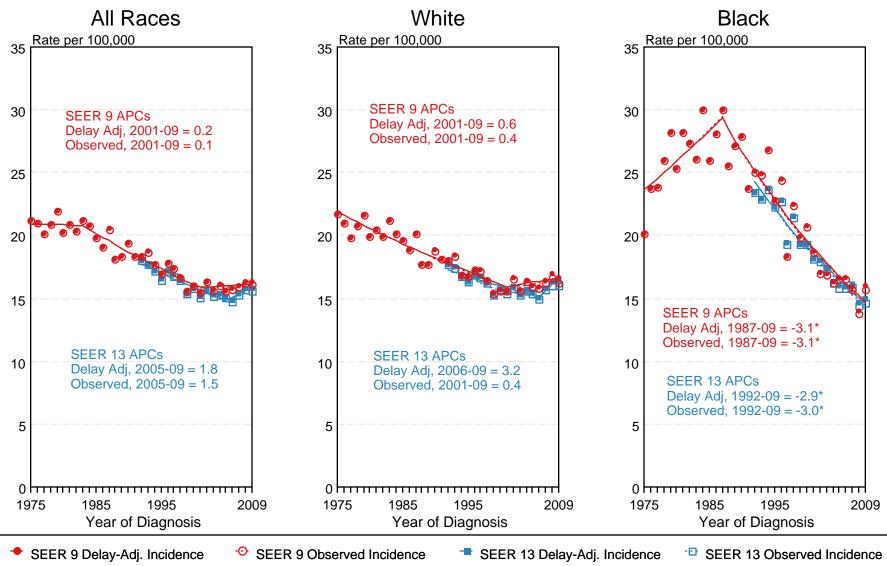


 ^a Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC). Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.5, April 2011, National Cancer 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 Cancer Statistics Review 1975-2009

Figure 20.1

SEER Observed Incidence and SEER Delay Adjusted Incidence Rates^a SEER 9 Areas Compared to SEER 13 Areas Cancer of the Oral Cavity and Pharynx, Male, by Race

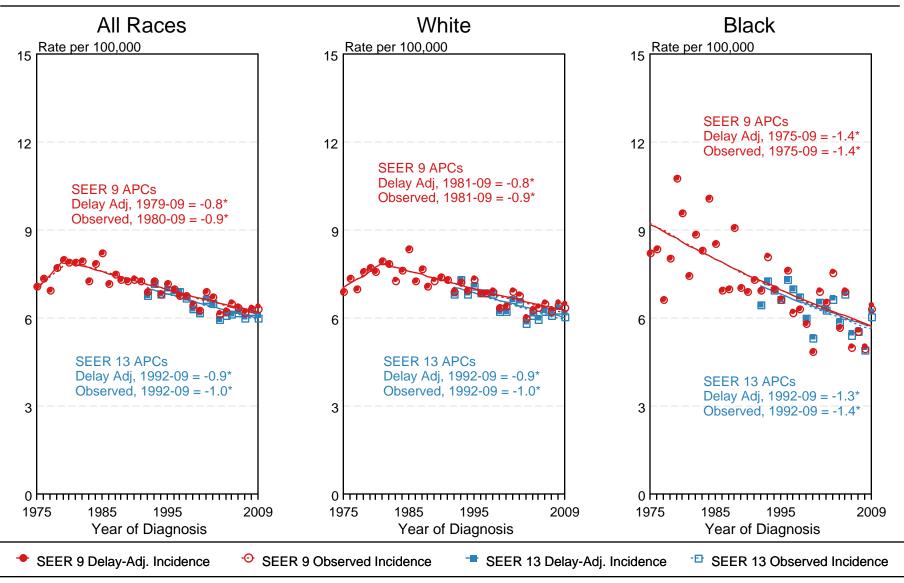


^a Source: SEER 9 areas and SEER 13 areas.

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 Cancer of the Oral Cavity and Pharynx, Female, by Race



^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).

Table 21.1 Cancer of the Ovary (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints,

All Ages by Race/Ethnicity

| | JP Tre | end 1 | JP Tre | end 2 | JP Tre | end 3 | JP Tre | end 4 | JP Tre | end 5 | JP Tr | end 6 | AAI | PC ^d |
|---------------------------|--------------------------|------------------------|-----------|-------|---------|-------|---------|-------|---------|-------|-------|-------|---------|-----------------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| SEER 9 Delay-Adjus | ted Incide | nce ^a , 197 | 75-2009 | | | | | | | | | | | |
| All Races | 1975-79 | -1.7 | 1979-84 | 1.4 | 1984-09 | -0.9* | | | | | | | -0.9* | -0.9* |
| White | 1975-81 | -0.9 | 1981-84 | 2.7 | 1984-09 | -0.9* | | | | | | | -0.9* | -0.9* |
| Black | 1975-09 | -0.4* | | | | | | | | | | | -0.4* | -0.4* |
| <u>SEER 13 Delay-Adju</u> | sted Incid | ence ^b , 19 | 992-2009 | | | | | | | | | | | |
| All Races | 1992-09 | -0.9* | | | | | | | | | | | -0.9* | -0.9* |
| White | 1992-97 | -1.1* | 1997-01 | 0.6 | 2001-04 | -3.2 | 2004-09 | -0.3 | | | | | -1.2 | -0.3 |
| Black | 1992-09 | -0.3 | | | | | | | | | | | -0.3 | -0.3 |
| <u>SEER 9 Observed In</u> | cidence ^a , 1 | 1975-2009 | 9 | | | | | | | | | | | |
| All Races | 1975-79 | -1.6 | 1979-84 | 1.1 | 1984-01 | -0.8* | 2001-09 | -1.5* | | | | | -1.5* | -1.5* |
| White | 1975-81 | -0.8 | 1981-84 | 2.2 | 1984-01 | -0.8* | 2001-09 | -1.7* | | | | | -1.6* | -1.7* |
| Black | 1975-09 | -0.5* | | | | | | | | | | | -0.5* | -0.5* |
| SEER 13 Observed I | ncidence ^b , | 1992-200 | <u>)9</u> | | | | | | | | | | | |
| All Races | 1992-01 | -0.6* | 2001-09 | -1.4* | | | | | | | | | -1.3* | -1.4* |
| White | 1992-97 | -1.1* | 1997-01 | 0.5 | 2001-04 | -3.3 | 2004-09 | -0.8 | | | | | -1.5* | -0.8 |
| White NH ^{ef} | 1992-09 | -1.1* | | | | | | | | | | | -1.1* | -1.1* |
| Black | 1992-09 | -0.5 | | | | | | | | | | | -0.5 | -0.5 |
| Black NH ^{ef} | 1992-09 | -0.4 | | | | | | | | | | | -0.4 | -0.4 |
| API ^e | 1992-09 | -0.1 | | | | | | | | | | | -0.1 | -0.1 |
| AI/AN ^{eg} | 1992-09 | 0.5 | | | | | | | | | | | 0.5 | 0.5 |
| Hispanic ^f | 1992-09 | -0.5 | | | | | | | | | | | -0.5 | -0.5 |
| <u>U.S. Cancer Mortal</u> | ity ^c , 1975- | -2009 | | | | | | | | | | | | |
| All Races | 1975-82 | -1.2* | 1982-92 | 0.3* | 1992-98 | -1.2* | 1998-02 | 1.0 | 2002-09 | -2.0* | | | -1.3* | -2.0* |
| White | 1975-81 | -1.4* | 1981-94 | 0.2 | 1994-98 | -1.7 | 1998-02 | 1.2 | 2002-09 | -2.0* | | | -1.3* | -2.0* |
| Black | 1975-92 | 0.4* | 1992-09 | -0.9* | | | | | | | | | -0.9* | -0.9* |
| U.S. Cancer Mortal | ity ^c , 1992- | -2009 | | | | | | | | | | | | |
| All Races | 1992-98 | -1.2* | 1998-02 | 1.0 | 2002-09 | -2.0* | | | | | | | -1.3* | -2.0* |
| White | 1992-98 | -1.1* | 1998-02 | 1.1 | 2002-09 | -2.0* | | | | | | | -1.3* | -2.0* |
| White NH ^{ef} | 1992-98 | -0.9* | 1998-02 | 1.2 | 2002-09 | -2.0* | | | | | | | -1.2* | -2.0* |
| Black | 1992-09 | -0.9* | | | | | | | | | | | -0.9* | -0.9* |
| Black NH ^{ef} | 1992-09 | -0.7* | | | | | | | | | | | -0.7* | -0.7* |
| API ^e | 1992-09 | 0.2 | | | | | | | | | | | 0.2 | 0.2 |
| AI/AN ^{eg} | 1992-09 | 0.5 | | | | | | | | | | | 0.5 | 0.5 |
| Hispanic ^f | 1992-09 | -0.5 | | | | | | | | | | | -0.5 | -0.5 |
| | | | | | | | | | | | | | | |

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

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

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, SC, 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.

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Table 21.2 Cancer of the Ovary (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints, Ages <65 by Race/Ethnicity

| | JP Trend 1 | JP Tr | end 2 | JP Tr | end 3 | JP Tr | end 4 | JP Tr | end 5 | JP Tr | end 6 | AAF | Cd |
|------------------------|---------------------------------|-----------|-------|---------|-------|---------|-------|-------|-------|-------|-------|---------|---------|
| | Years APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| SEER 9 Delay-Adiu | sted Incidence ^a , | 1975-2009 | | | | | | | | | | | |
| All Races | 1975-09 -1.1 | | | | | | | | | | | -1.1* | -1.1* |
| White | 1975-09 -1.1 | * | | | | | | | | | | -1.1* | -1.1* |
| Black | 1975-09 -0.9 | * | | | | | | | | | | -0.9* | -0.9* |
| SEER 13 Delay-Ad- | justed Incidence ^b , | 1992-2009 | | | | | | | | | | | |
| All Races | 1992-09 -0.8 | * | | | | | | | | | | -0.8* | -0.8* |
| White | 1992-09 -1.0 | * | | | | | | | | | | -1.0* | -1.0* |
| Black | 1992-09 -0.3 | | | | | | | | | | | -0.3 | -0.3 |
| SEER 9 Observed 1 | Incidence ^a , 1975-2 | 009 | | | | | | | | | | | |
| All Races | 1975-09 -1.1 | * | | | | | | | | | | -1.1* | -1.1* |
| White | 1975-09 -1.2 | * | | | | | | | | | | -1.2* | -1.2* |
| Black | 1975-09 -1.0 | * | | | | | | | | | | -1.0* | -1.0* |
| SEER 13 Observed | Incidence ^b , 1992- | 2009 | | | | | | | | | | | |
| All Races | 1992-09 -0.9 | * | | | | | | | | | | -0.9* | -0.9* |
| White | 1992-09 -1.1 | * | | | | | | | | | | -1.1* | -1.1* |
| White NH ^{ef} | 1992-09 -1.2 | * | | | | | | | | | | -1.2* | -1.2* |
| Black | 1992-09 -0.5 | | | | | | | | | | | -0.5 | -0.5 |
| Black NH ^{ef} | 1992-09 -0.5 | | | | | | | | | | | -0.5 | -0.5 |
| API ^e | 1992-09 0.1 | | | | | | | | | | | 0.1 | 0.1 |
| AI/AN ^{eg} | 1992-09 -1.0 | | | | | | | | | | | -1.0 | -1.0 |
| Hispanic ^f | 1992-09 -0.1 | | | | | | | | | | | -0.1 | -0.1 |
| U.S. Cancer Morta | ality ^c , 1975-2009 | | | | | | | | | | | | |
| All Races | 1975-80 -3.2 | * 1980-99 | -1.6* | 1999-02 | 0.8 | 2002-09 | -2.7* | | | | | -1.9* | -2.7* |
| White | 1975-80 -3.3 | * 1980-99 | -1.5* | 1999-02 | 0.6 | 2002-09 | -2.7* | | | | | -2.0* | -2.7* |
| Black | 1975-96 -1.9 | * 1996-03 | 0.6 | 2003-09 | -2.9* | | | | | | | -1.7* | -2.9* |
| U.S. Cancer Morta | ality ^c , 1992-2009 | | | | | | | | | | | | |
| All Races | 1992-98 -2.3 | * 1998-02 | 0.7 | 2002-09 | -2.7* | | | | | | | -1.9* | -2.7* |
| White | 1992-98 -2.2 | * 1998-02 | 0.7 | 2002-09 | -2.7* | | | | | | | -2.0* | -2.7* |
| White NH ^{ef} | 1992-05 -0.9 | * 2005-09 | -3.5* | | | | | | | | | -2.1* | -3.5* |
| Black | 1992-09 -1.0 | * | | | | | | | | | | -1.0* | -1.0* |
| Black NH ^{ef} | 1992-04 0.1 | 2004-09 | -3.4* | | | | | | | | | -1.9* | -3.4* |
| API ^e | 1992-09 -1.0 | * | | | | | | | | | | -1.0* | -1.0* |
| AI/AN ^{eg} | 1992-09 -1.1 | | | | | | | | | | | -1.1 | -1.1 |
| Hispanic ^f | 1992-09 -0.5 | * | | | | | | | | | | -0.5* | -0.5* |
| | | | | | | | | | | | | | |

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

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

- 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.
- d 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, SC, 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.

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Table 21.3 Cancer of the Ovary (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints, Ages 65+ by Race/Ethnicity

| | JP Trend | 1 1 | JP Tre | end 2 | JP Tre | end 3 | JP Tre | end 4 | JP Tre | end 5 | JP Tre | end 6 | AAP | C ^d |
|------------------------|-----------------------------|------------------------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|----------------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| SEER 9 Delay-Adju | sted Incidence | e ^a 1975- | -2009 | | | | | | | | | | | |
| All Races | | | 1990-09 | -1.0* | | | | | | | | | -1.0* | -1.0* |
| White | | | 1990-09 | -0.8* | | | | | | | | | -0.8* | -0.8* |
| Black | | 0.1 | | | | | | | | | | | 0.1 | 0.1 |
| SEER 13 Delay-Adju | usted Incidenc | ce ^b , 1992 | 2-2009 | | | | | | | | | | | |
| All Races | | -1.0* | | | | | | | | | | | -1.0* | -1.0* |
| White | 1992-09 - | -0.9* | | | | | | | | | | | -0.9* | -0.9* |
| Black | 1992-09 - | -0.2 | | | | | | | | | | | -0.2 | -0.2 |
| SEER 9 Observed I | ncidence ^a . 197 | 75-2009 | | | | | | | | | | | | |
| All Races | | | 1990-09 | -1.1* | | | | | | | | | -1.1* | -1.1* |
| White | 1975-90 | 1.5* | 1990-09 | -1.0* | | | | | | | | | -1.0* | -1.0* |
| Black | | 0.0 | | | | | | | | | | | 0.0 | 0.0 |
| SEER 13 Observed : | Ingidongo ^b 19 | 002-2000 | | | | | | | | | | | | |
| All Races | | -1.1* | | | | | | | | | | | -1.1* | -1.1* |
| White | | -1.0* | | | | | | | | | | | -1.0* | -1.0* |
| White NH ^{ef} | | -0.9* | | | | | | | | | | | -0.9* | -0.9* |
| Black | | -0.4 | | | | | | | | | | | -0.4 | -0.4 |
| Black NH ^{ef} | | -0.4 | | | | | | | | | | | -0.4 | -0.4 |
| API ^e | | -0.4 | | | | | | | | | | | -0.4 | -0.4 |
| AI/AN ^{eg} | | 1.4 | | | | | | | | | | | 1.4 | 1.4 |
| Hispanic ^f | 1992-09 - | -1.0 | | | | | | | | | | | -1.0 | -1.0 |
| U.S. Cancer Morta | litv ^c . 1975-20 | 09 | | | | | | | | | | | | |
| All Races | * ' | | 1985-91 | 1.8* | 1991-06 | -0.1 | 2006-09 | -3.2* | | | | | -1.2* | -2.4* |
| White | 1975-84 | 0.5* | 1984-91 | 1.8* | 1991-98 | -0.4 | 1998-01 | 1.4 | 2001-07 | -0.8 | 2007-09 | -4.0* | -1.3* | -2.4* |
| Black | 1975-92 | 2.3* | 1992-09 | -0.9* | | | | | | | | | -0.9* | -0.9* |
| U.S. Cancer Morta | litv ^c . 1992-20 | 09 | | | | | | | | | | | | |
| All Races | - · · | | 2005-09 | -2.5* | | | | | | | | | -1.1* | -2.5* |
| White | 1992-06 | 0.0 | 2006-09 | -3.4* | | | | | | | | | -1.1* | -2.5* |
| White NH ^{ef} | 1992-04 | 0.3 | 2004-09 | -1.9* | | | | | | | | | -0.9* | -1.9* |
| Black | 1992-09 - | -0.9* | | | | | | | | | | | -0.9* | -0.9* |
| Black NH ^{ef} | 1992-09 - | -0.7* | | | | | | | | | | | -0.7* | -0.7* |
| API ^e | 1992-09 | 1.2* | | | | | | | | | | | 1.2* | 1.2* |
| AI/AN ^{eg} | 1992-09 | 1.3 | | | | | | | | | | | 1.3 | 1.3 |
| Hispanic ^f | 1992-09 - | -0.5 | | | | | | | | | | | -0.5 | -0.5 |
| | | | | | | | | | | | | | | |

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

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

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.
- ^d 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, SC, 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.

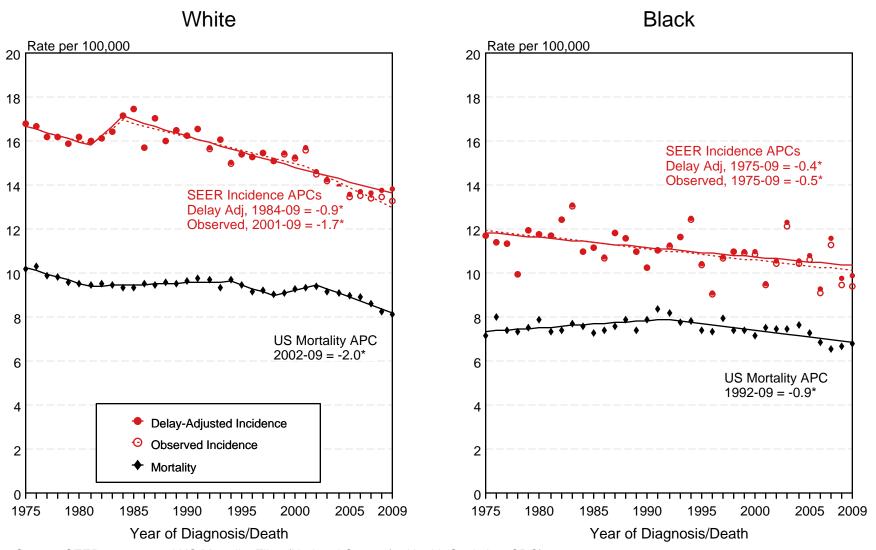
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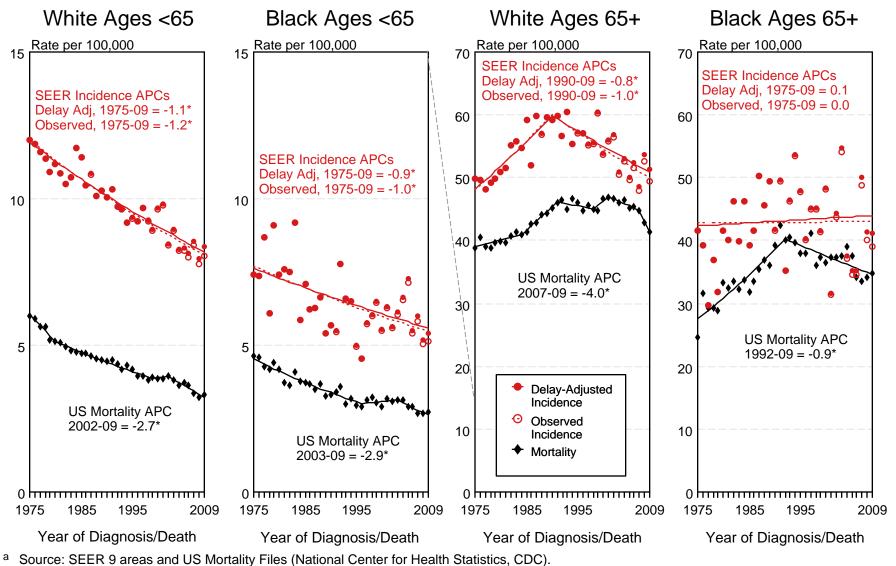
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SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates^a Cancer of the Ovary, by Race



- ^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). Ovary excludes borderline cases or histologies 8442, 8451, 8462, 8472, and 8473. 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 Cancer of the Ovary, by Age and Race



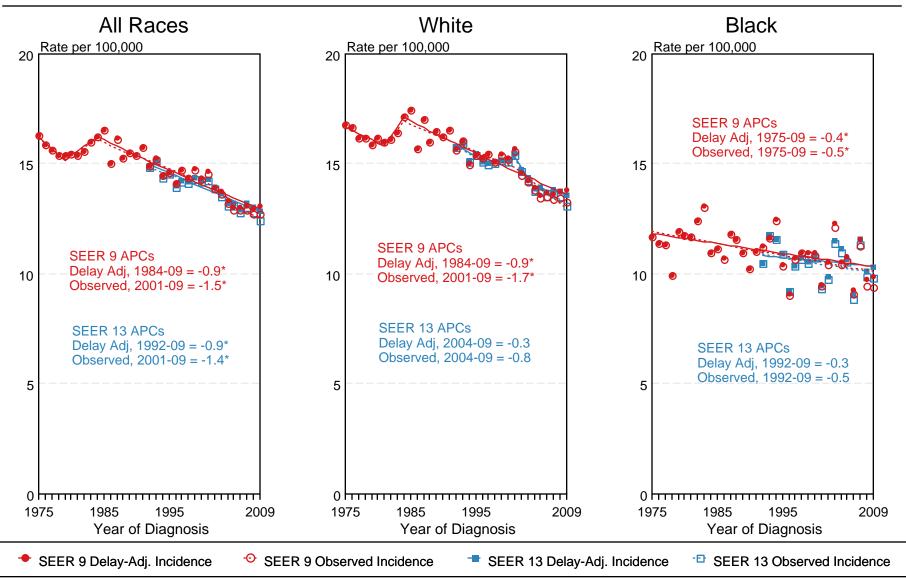
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

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

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 Cancer of the Ovary, by Race



^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).

Table 22.1 Cancer of the Pancreas (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints, Both Sexes by Race/Ethnicity

| | JP Tre | nd 1 | JP Tre | end 2 | JP Tre | and 3 | JP Tre | end 4 | JP Tre | nd 5 | JP Tr | end 6 | AAP | Cd |
|---------------------------|--------------------------|----------------------|----------|-------|---------|-------|---------|-------|---------|------|-------|-------|---------|---------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| <u>SEER 9 Delay-Adjus</u> | ted Incider | uce ^a 197 | 75-2009 | | | | | | | | | | | |
| All Races | 1975-78 | -2.2 | 1978-84 | 1.3* | 1984-89 | -1.5 | 1989-01 | 0.0 | 2001-09 | 1.8* | | | 1.6* | 1.8* |
| White | 1975-79 | -1.9 | 1979-84 | 1.7 | 1984-87 | -2.5 | 1987-99 | -0.2 | 1999-09 | 1.6* | | | 1.6* | 1.6* |
| Black | 1975-09 | -0.1 | | | | | | | | | | | -0.1 | -0.1 |
| SEER 13 Delay-Adju | atod Thaida | ngo ^b 10 | 002-2000 | | | | | | | | | | | |
| All Races | 1992-01 | 0.0 | 2001-09 | 1.5* | | | | | | | | | 1.3* | 1.5* |
| White | 1992-00 | 0.1 | 2000-09 | 1.4* | | | | | | | | | 1.4* | 1.4* |
| Black | 1992-01 | -1.6* | 2001-09 | 1.3* | | | | | | | | | 1.0 | 1.3* |
| | | | | 1.5 | | | | | | | | | 1.0 | 1.5 |
| SEER 9 Observed In | | | - | | 1004 00 | | 1000 00 | | | | | | | |
| All Races | 1975-78 | -2.2 | 1978-84 | 1.3* | 1984-89 | -1.4 | 1989-00 | -0.1 | 2000-09 | 1.4* | | | 1.4* | 1.4* |
| White | 1975-78 | -2.5 | 1978-84 | 1.0 | 1984-95 | -0.9* | 1995-09 | 1.1* | | | | | 1.1* | 1.1* |
| Black | 1975-09 | -0.2 | | | | | | | | | | | -0.2 | -0.2 |
| <u>SEER 13 Observed I</u> | ncidence ^b , | 1992-200 |)9 | | | | | | | | | | | |
| All Races | 1992-00 | -0.1 | 2000-09 | 1.1* | | | | | | | | | 1.1* | 1.1* |
| White | 1992-00 | 0.2 | 2000-09 | 1.1* | | | | | | | | | 1.1* | 1.1* |
| White NH ^{ef} | 1992-00 | 0.2 | 2000-09 | 1.2* | | | | | | | | | 1.2* | 1.2* |
| Black | 1992-01 | -1.6* | 2001-09 | 1.0 | | | | | | | | | 0.7 | 1.0 |
| Black NH ^{ef} | 1992-01 | -1.6* | 2001-09 | 1.1 | | | | | | | | | 0.8 | 1.1 |
| API ^e | 1992-09 | 0.6* | | | | | | | | | | | 0.6* | 0.6* |
| AI/AN ^{eg} | 1992-09 | 2.7* | | | | | | | | | | | 2.7* | 2.7* |
| Hispanic ^f | 1992-09 | 0.5 | | | | | | | | | | | 0.5 | 0.5 |
| U.S. Cancer Mortal | ity ^c , 1975- | 2009 | | | | | | | | | | | | |
| All Races | 1975-01 | -0.1* | 2001-09 | 0.5* | | | | | | | | | 0.4* | 0.5* |
| White | 1975-97 | -0.2* | 1997-09 | 0.5* | | | | | | | | | 0.5* | 0.5* |
| Black | 1975-89 | 1.1* | 1989-09 | -0.5* | | | | | | | | | -0.5* | -0.5* |
| U.S. Cancer Mortal | i+x ^c 1992_ | 2009 | | | | | | | | | | | | |
| All Races | 1992-96 | -0.7* | 1996-09 | 0.3* | | | | | | | | | 0.3* | 0.3* |
| White | 1992-96 | -0.5 | 1996-09 | 0.4* | | | | | | | | | 0.4* | 0.4* |
| White NH ^{ef} | 1992-97 | -0.3 | 1997-09 | 0.6* | | | | | | | | | 0.6* | 0.6* |
| Black | 1992-01 | -1.1* | 2001-09 | 0.0 | | | | | | | | | -0.1 | 0.0 |
| Black NH ^{ef} | 1992-09 | -0.5* | 2002 00 | 0.0 | | | | | | | | | -0.5* | -0.5* |
| API ^e | 1992-09 | 0.0 | | | | | | | | | | | 0.0 | 0.0 |
| AI/AN ^{eg} | 1992-09 | 1.6* | | | | | | | | | | | 1.6* | 1.6* |
| Hispanic ^f | 1992-09 | 0.0 | | | | | | | | | | | 0.0 | 0.0 |
| ± ··· · | | | | | | | | | | | | | | |

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

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Table 22.2 Cancer of the Pancreas (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints, Males by Race/Ethnicity

| | | | | 1.0 | | | | | | | | 1.6 | | ad |
|--|----------------------------|---------------------------|------------------------|-------------|------------------------|------|------------------------|------|----------------------------|------|------------------------|---------------------|-----------------------|---------------|
| | <u> JP Tre</u> Years | APC | <u>JP Tre</u> Years | APC | <u>JP Tre</u> Years | APC | <u>JP Tre</u> Years | APC | <u> JP Tre</u> Years | APC | <u>JP Tre</u> Years | <u>end 6</u> APC | <u>AAF</u> 2000-09 | - |
| | | | | APC | IEars | APC | IEals | APC | IEars | APC | IEals | APC | 2000-09 | 2003-09 |
| <u>SEER 9 Delay-Adjus</u> All Races | | <u>nce", 197</u> -1.8* | <u>1981-85</u> | 1 0 | 1005 00 | 2 2 | 1990-02 | 0 1 | 2002 00 | 1.9* | | | 1 54 | 1.9* |
| All Races White | 1975-81 1975-95 | -1.8* -1.0* | 1981-85 | 1.2 1.3* | 1985-90 | -2.2 | 1990-02 | 0.1 | 2002-09 | 1.9^ | | | 1.5* 1.3* | 1.9* |
| Black | 1975-95 | -1.0* -0.4* | 1992-09 | 1.3^ | | | | | | | | | ⊥.3^ -0.4* | 1.3^ -0.4* |
| BIACK | 19/5-09 | -0.4* | | | | | | | | | | | -0.4~ | -0.4* |
| <u>SEER 13 Delay-Adju</u> | sted Incide | ence ^b , 19 | 92-2009 | | | | | | | | | | | |
| All Races | 1992-02 | 0.0 | 2002-09 | 1.7* | | | | | | | | | 1.3* | 1.7* |
| White | 1992-09 | 0.8* | | | | | | | | | | | 0.8* | 0.8* |
| Black | 1992-09 | -0.3 | | | | | | | | | | | -0.3 | -0.3 |
| SEER 9 Observed In | cidenceª, 1 | 1975-2009 |) | | | | | | | | | | | |
| All Races | 1975-93 | -0.8* | - 1993-02 | 0.2 | 2002-09 | 1.6* | | | | | | | 1.3* | 1.6* |
| White | 1975-95 | -0.9* | 1995-09 | 1.1* | | | | | | | | | 1.1* | 1.1* |
| Black | 1975-09 | -0.5* | | | | | | | | | | | -0.5* | -0.5* |
| SEER 13 Observed I | ncidence ^b , | 1992-200 |)9 | | | | | | | | | | | |
| All Races | 1992-02 | 0.0 | 2002-09 | 1.4* | | | | | | | | | 1.1* | 1.4* |
| White | 1992-09 | 0.7* | | | | | | | | | | | 0.7* | 0.7* |
| White NH ^{ef} | 1992-09 | 0.8* | | | | | | | | | | | 0.8* | 0.8* |
| Black | 1992-09 | -0.4 | | | | | | | | | | | -0.4 | -0.4 |
| Black NH ^{ef} | 1992-09 | -0.3 | | | | | | | | | | | -0.3 | -0.3 |
| API ^e | 1992-09 | -0.1 | | | | | | | | | | | -0.1 | -0.1 |
| AI/AN ^{eg} | 1992-09 | 2.9* | | | | | | | | | | | 2.9* | 2.9* |
| Hispanic ^f | 1992-09 | 0.7 | | | | | | | | | | | 0.7 | 0.7 |
| U.S. Cancer Mortal | ity ^c , 1975- | -2009 | | | | | | | | | | | | |
| All Races | 1975-86 | -0.8* | 1986-01 | -0.3* | 2001-09 | 0.5* | | | | | | | 0.4* | 0.5* |
| White | 1975-86 | -1.0* | 1986-97 | -0.3* | 1997-09 | 0.4* | | | | | | | 0.4* | 0.4* |
| Black | 1975-89 | 0.6* | 1989-09 | -0.8* | | | | | | | | | -0.8* | -0.8* |
| U.S. Cancer Mortal | ity ^c , 1992- | -2009 | | | | | | | | | | | | |
| All Races | 1992-96 | -1.0* | 1996-09 | 0.3* | | | | | | | | | 0.3* | 0.3* |
| White | 1992-96 | -0.7 | 1996-09 | 0.4* | | | | | | | | | 0.4* | 0.4* |
| White NH ^{ef} | 1992-96 | -0.8* | 1996-03 | 0.5* | 2003-07 | 1.1* | 2007-09 | -1.0 | | | | | 0.4 | 0.0 |
| Black | 1992-95 | -3.8* | 1995-09 | -0.5* | | | | | | | | | -0.5* | -0.5* |
| Black NH ^{ef} | 1992-09 | -0.8* | | | | | | | | | | | -0.8* | -0.8* |
| API ^e | 1992-01 | -2.0* | 2001-09 | 0.9 | | | | | | | | | 0.6 | 0.9 |
| AI/AN ^{eg} | 1992-09 | 2.7* | | | | | | | | | | | 2.7* | 2.7* |
| Hispanic ^f | 1992-09 | -0.2 | | | | | | | | | | | -0.2 | -0.2 |
| | | | | | | | | | | | | | | |

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

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Table 22.3 Cancer of the Pancreas (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints, Females by Race/Ethnicity

| | JP Tren | nd 1 | JP Tre | end 2 | JP Tre | end 3 | JP Tre | end 4 | JP Tre | end 5 | JP Tr | end 6 | AAB | $^{\rm C^d}$ |
|------------------------|---------------------------|-----------------------|--------------|-------|---------|-------|--------|-------|--------|-------|-------|-------|---------|--------------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | |
| SEER 9 Delay-Adjus | ted Incidenc | ce ^a , 197 | 5-2009 | | | | | | | | | | | |
| All Races | 1975-84 | 1.3* | 1984-00 | -0.3* | 2000-09 | 1.8* | | | | | | | 1.8* | 1.8* |
| White | 1975-84 | 1.2* | 1984-99 | -0.4* | 1999-09 | 1.7* | | | | | | | 1.7* | 1.7* |
| Black | 1975-09 | 0.1 | | | | | | | | | | | 0.1 | 0.1 |
| SEER 13 Delay-Adju | sted Incider | nce ^b , 19 | 92-2009 | | | | | | | | | | | |
| All Races | 1992-00 | -0.1 | 2000-09 | 1.4* | | | | | | | | | 1.4* | 1.4* |
| White | 1992-00 | -0.1 | 2000-09 | 1.4* | | | | | | | | | 1.4* | 1.4* |
| Black | 1992-09 | -0.2 | | | | | | | | | | | -0.2 | -0.2 |
| SEER 9 Observed In | cidence ^a , 19 | 975-2009 | 1 | | | | | | | | | | | |
| All Races | 1975-84 | 1.3* | - 1984-99 | -0.4* | 1999-09 | 1.4* | | | | | | | 1.4* | 1.4* |
| White | 1975-84 | 1.2* | 1984-99 | -0.4* | 1999-09 | 1.5* | | | | | | | 1.5* | 1.5* |
| Black | 1975-09 | 0.1 | | | | | | | | | | | 0.1 | 0.1 |
| SEER 13 Observed I | ncidence ^b , 1 | 992-200 | 9 | | | | | | | | | | | |
| All Races | 1992-09 | 0.6* | | | | | | | | | | | 0.6* | 0.6* |
| White | 1992-99 | -0.1 | 1999-09 | 1.1* | | | | | | | | | 1.1* | 1.1* |
| White NH ^{ef} | 1992-99 | -0.2 | 1999-09 | 1.3* | | | | | | | | | 1.3* | 1.3* |
| Black | 1992-09 | -0.3 | | | | | | | | | | | -0.3 | -0.3 |
| Black NH ^{ef} | 1992-09 | -0.2 | | | | | | | | | | | -0.2 | -0.2 |
| API ^e | 1992-09 | 1.2* | | | | | | | | | | | 1.2* | 1.2* |
| AI/AN ^{eg} | 1992-09 | 2.2 | | | | | | | | | | | 2.2 | 2.2 |
| Hispanic ^f | 1992-09 | 0.2 | | | | | | | | | | | 0.2 | 0.2 |
| U.S. Cancer Mortal | | 2009 | | | | | | | | | | | | |
| All Races | 1975-84 | 0.8* | 1984-02 | 0.1 | 2002-09 | 0.4* | | | | | | | 0.4* | 0.4* |
| White | 1975-83 | 0.7* | 1983-02 | 0.1 | 2002-09 | 0.6* | | | | | | | 0.5* | 0.6* |
| Black | 1975-86 | 2.4* | 1986-09 | -0.2* | | | | | | | | | -0.2* | -0.2* |
| U.S. Cancer Mortal | | | | | | | | | | | | | | |
| All Races | | -0.5 | 1997-09 | 0.3* | | | | | | | | | 0.3* | 0.3* |
| White | | -0.4 | 1997-09 | 0.5* | | | | | | | | | 0.5* | 0.5* |
| White NH ^{ef} | | -0.3 | 1997-09 | 0.6* | | | | | | | | | 0.6* | 0.6* |
| Black | | -0.4* | | | | | | | | | | | -0.4* | -0.4* |
| Black NH ^{ef} | | -0.3* | | | | | | | | | | | -0.3* | -0.3* |
| API ^e | 1992-09 | 0.4 | | | | | | | | | | | 0.4 | 0.4 |
| AI/AN ^{eg} | 1992-09 | 1.0 | | | | | | | | | | | 1.0 | 1.0 |
| $Hispanic^{f}$ | 1992-09 | 0.1 | | | | | | | | | | | 0.1 | 0.1 |

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, SC, 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.

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SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates^a Cancer of the Pancreas, by Race and Sex

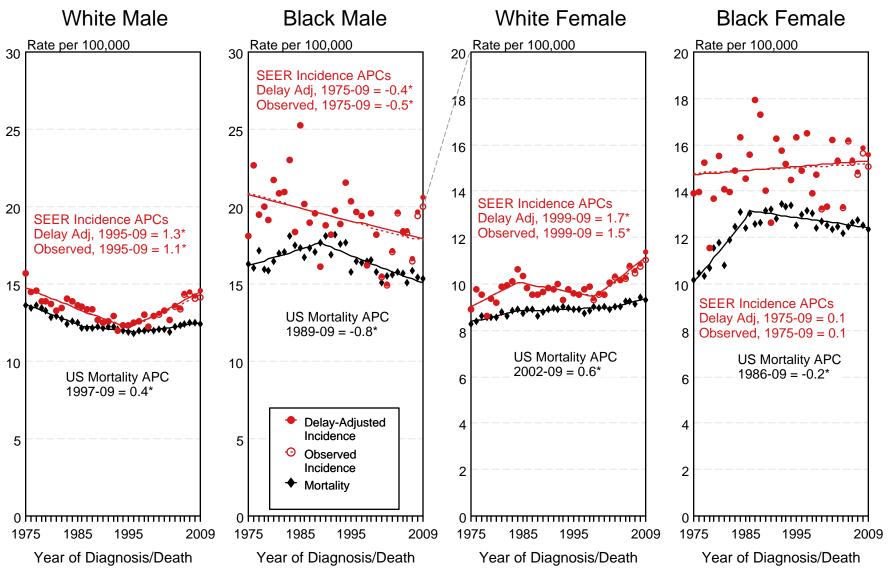
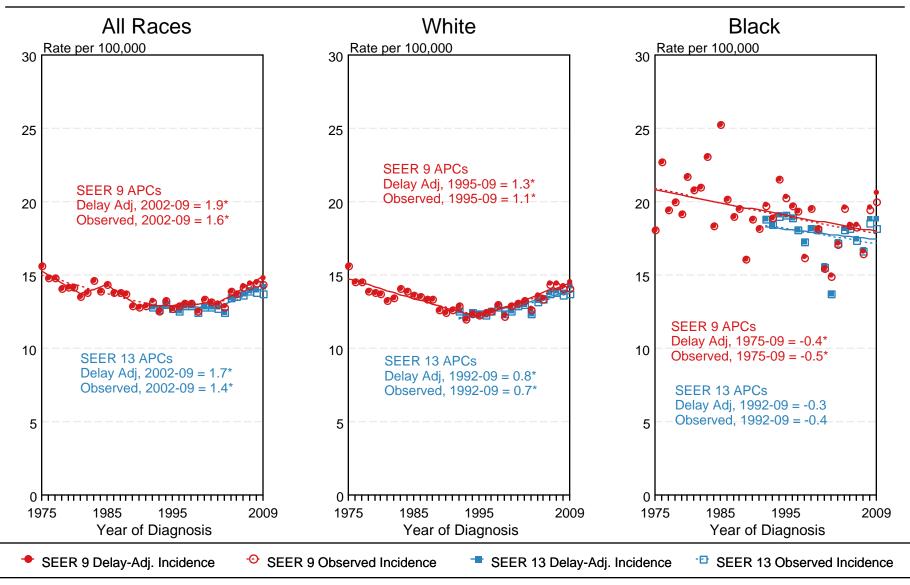


Figure 22.1

 ^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 Cancer Statistics Review 1975-2009

SEER Observed Incidence and SEER Delay Adjusted Incidence Rates^a SEER 9 Areas Compared to SEER 13 Areas Cancer of the Pancreas, Male, by Race

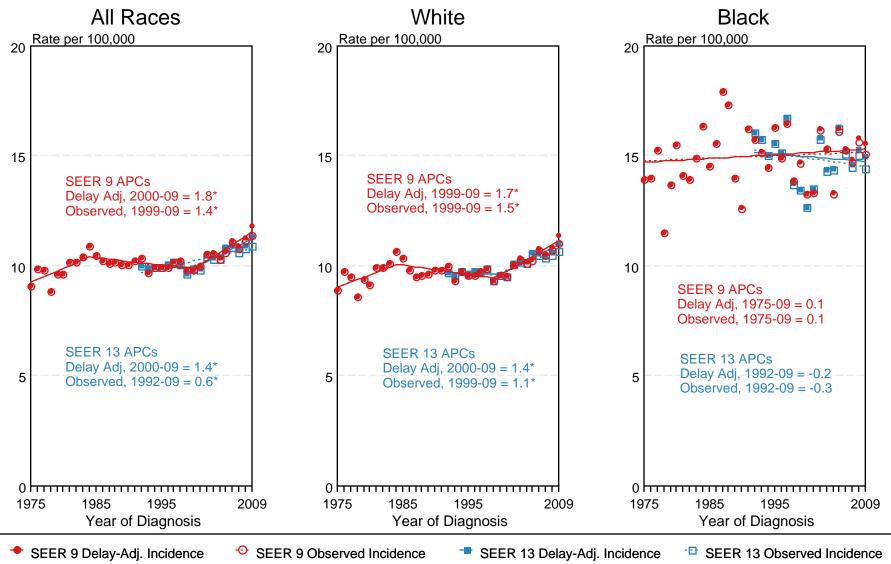


^a Source: SEER 9 areas and SEER 13 areas.

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 Cancer of the Pancreas, Female, by Race



^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).

Figure 22.4

Table 23.1 Cancer of the Prostate (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints,

All Ages by Race/Ethnicity

| | JP Tre | end 1 | JP Tre | end 2 | JP Tr | end 3 | JP Tre | end 4 | JP Tre | end 5 | JP Tre | end 6 | AAP | |
|----------------------------|--------------------------|------------------------|---------|-------|---------|--------|---------|-------|---------|-------|--------|-------|---------|---------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| SEER 9 Delay-Adjust | ed Incide | nce ^a , 197 | 5-2009 | | | | | | | | | | | |
| All Races | 1975-88 | 2.6* | 1988-92 | 16.5* | 1992-95 | -11.5* | 1995-00 | 2.2 | 2000-09 | -1.7* | | | -1.7* | -1.7* |
| White | 1975-88 | 2.8* | 1988-92 | 16.3* | 1992-95 | -12.6* | 1995-00 | 2.7 | 2000-09 | -1.9* | | | -1.9* | -1.9* |
| Black | 1975-89 | 2.0* | 1989-92 | 21.8* | 1992-95 | -4.9 | 1995-09 | -1.1* | | | | | -1.1* | -1.1* |
| <u>SEER 13 Delay-Adjus</u> | sted Incid | ence ^b , 19 | 92-2009 | | | | | | | | | | | |
| All Races | 1992-95 | -11.1* | 1995-00 | 2.0 | 2000-09 | -1.9* | | | | | | | -1.9* | -1.9* |
| White | 1992-95 | -12.0* | 1995-00 | 2.5 | 2000-09 | -2.0* | | | | | | | -2.0* | -2.0* |
| Black | 1992-09 | -1.6* | | | | | | | | | | | -1.6* | -1.6* |
| SEER 9 Observed Inc | | L975-2009 | | | | | | | | | | | | |
| All Races | 1975-88 | 2.6* | 1988-92 | 16.5* | 1992-95 | -11.6* | 1995-00 | 2.2 | 2000-09 | -1.9* | | | -1.9* | -1.9* |
| White | 1975-88 | 2.8* | 1988-92 | 16.3* | 1992-95 | -12.6* | 1995-00 | 2.7 | 2000-09 | -2.2* | | | -2.2* | -2.2* |
| Black | 1975-89 | 2.1* | 1989-92 | 19.1* | 1992-09 | -1.7* | | | | | | | -1.7* | -1.7* |
| SEER 13 Observed In | ncidence ^b , | 1992-200 | 9 | | | | | | | | | | | |
| All Races | 1992-95 | -11.2* | 1995-00 | 2.1 | 2000-09 | -2.1* | | | | | | | -2.1* | -2.1* |
| White | 1992-95 | -12.1* | 1995-00 | 2.5 | 2000-09 | -2.3* | | | | | | | -2.3* | -2.3* |
| White NH ^{ef} | 1992-94 | -17.2* | 1994-01 | 1.0 | 2001-09 | -2.3* | | | | | | | -1.9* | -2.3* |
| Black | 1992-09 | -1.9* | | | | | | | | | | | -1.9* | -1.9* |
| Black NH ^{ef} | 1992-09 | -1.8* | | | | | | | | | | | -1.8* | -1.8* |
| API ^e | 1992-97 | -6.4* | 1997-00 | 5.3 | 2000-07 | -1.6* | 2007-09 | -7.9* | | | | | -3.1* | -4.8* |
| AI/AN ^{eg} | 1992-09 | -1.7* | | | | | | | | | | | -1.7* | -1.7* |
| Hispanic ^f | 1992-95 | -5.1 | 1995-01 | 1.0 | 2001-09 | -3.0* | | | | | | | -2.6* | -3.0* |
| U.S. Cancer Mortal | lty ^c , 1975- | -2009 | | | | | | | | | | | | |
| All Races | 1975-87 | 0.9* | 1987-91 | 3.1* | 1991-94 | -0.7 | 1994-04 | -3.9* | 2004-09 | -3.2* | | | -3.5* | -3.2* |
| White | 1975-87 | 0.8* | 1987-91 | 3.1* | 1991-94 | -0.7 | 1994-99 | -4.3* | 1999-09 | -3.4* | | | -3.4* | -3.4* |
| Black | 1975-88 | 1.9* | 1988-93 | 3.3* | 1993-01 | -2.6* | 2001-09 | -3.8* | | | | | -3.7* | -3.8* |
| U.S. Cancer Mortal | lty ^c , 1992- | -2009 | | | | | | | | | | | | |
| All Races | 1992-94 | -1.3 | 1994-09 | -3.7* | | | | | | | | | -3.7* | -3.7* |
| White | 1992-94 | -0.7 | 1994-99 | -4.3* | 1999-09 | -3.4* | | | | | | | -3.4* | -3.4* |
| White NH ^{ef} | 1992-94 | -1.2 | 1994-04 | -3.9* | 2004-09 | -2.9* | | | | | | | -3.4* | -2.9* |
| Black | 1992-96 | -0.7 | 1996-09 | -3.5* | | | | | | | | | -3.5* | -3.5* |
| Black NH ^{ef} | 1992-96 | -0.7 | 1996-09 | -3.3* | | | | | | | | | -3.3* | -3.3* |
| API ^e | 1992-09 | -3.9* | | | | | | | | | | | -3.9* | -3.9* |
| AI/AN ^{eg} | 1992-09 | -2.5* | | | | | | | | | | | -2.5* | -2.5* |
| Hispanic ^f | 1992-94 | 4.3 | 1994-09 | -3.6* | | | | | | | | | -3.6* | -3.6* |
| | | | | | | | | | | | | | | |

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

National Cancer Institute

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Table 23.2 Cancer of the Prostate (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints, Ages <65 by Race/Ethnicity

| | JP Tre | end 1 | JP Tre | end 2 | JP Tre | end 3 | JP Tre | end 4 | JP Tre | end 5 | JP Tr | end 6 | AAP | Cd |
|----------------------------|--------------------------|------------------------|---------|-------|---------|-------|---------|-------|---------|-------|-------|-------|---------|---------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| SEER 9 Delay-Adjust | ted Incider | nce ^a . 197 | 5-2009 | | | | | | | | | | | |
| All Races | 1975-88 | 3.1* | 1988-92 | 23.3* | 1992-01 | 3.4* | 2001-09 | 0.1 | | | | | 0.4 | 0.1 |
| White | 1975-88 | 3.5* | 1988-92 | 23.0* | 1992-01 | 3.2* | 2001-09 | -0.1 | | | | | 0.3 | -0.1 |
| Black | 1975-89 | 2.0* | 1989-93 | 26.1* | 1993-01 | 2.7* | 2001-09 | 0.0 | | | | | 0.3 | 0.0 |
| SEER 13 Delay-Adjus | atod Toodd | | | | | | | | | | | | | |
| All Races | 1992-01 | <u>3.4*</u> | 2001-09 | -0.3 | | | | | | | | | 0.1 | -0.3 |
| White | 1992-01 | 3.3* | 2001-09 | -0.3 | | | | | | | | | 0.0 | -0.3 |
| Black | 1992-01 | 3.9* | 2001-09 | -0.4 | | | | | | | | | -0.2 | -0.2 |
| | | | | -0.2 | | | | | | | | | -0.2 | -0.2 |
| <u>SEER 9 Observed Inc</u> | | | - | | | | | | | | | | | |
| All Races | 1975-88 | 3.1* | 1988-92 | 23.3* | 1992-01 | 3.4* | 2001-09 | -0.1 | | | | | 0.3 | -0.1 |
| White | 1975-88 | 3.5* | 1988-92 | 22.9* | 1992-01 | 3.2* | 2001-09 | -0.4 | | | | | 0.0 | -0.4 |
| Black | 1975-89 | 2.0* | 1989-93 | 26.1* | 1993-01 | 2.7* | 2001-09 | -0.5 | | | | | -0.1 | -0.5 |
| SEER 13 Observed In | ncidence ^b , | 1992-200 | 19 | | | | | | | | | | | |
| All Races | 1992-01 | 3.4* | 2001-09 | -0.5 | | | | | | | | | 0.0 | -0.5 |
| White | 1992-01 | 3.3* | 2001-09 | -0.8 | | | | | | | | | -0.3 | -0.8 |
| White NH ^{ef} | 1992-01 | 3.3* | 2001-09 | -0.6 | | | | | | | | | -0.2 | -0.6 |
| Black | 1992-00 | 3.9* | 2000-09 | -0.6 | | | | | | | | | -0.6 | -0.6 |
| Black NH ^{ef} | 1992-00 | 3.8* | 2000-09 | -0.4 | | | | | | | | | -0.4 | -0.4 |
| API ^e | 1992-01 | 6.3* | 2001-09 | 0.7 | | | | | | | | | 1.3 | 0.7 |
| AI/AN ^{eg} | 1992-09 | -0.2 | | | | | | | | | | | -0.2 | -0.2 |
| Hispanic ^f | 1992-02 | 4.5* | 2002-09 | -1.5* | | | | | | | | | -0.2 | -1.5* |
| U.S. Cancer Mortal: | itv ^c , 1975- | 2009 | | | | | | | | | | | | |
| All Races | 1975-87 | 0.5* | 1987-90 | 3.1 | 1990-96 | -3.2* | 1996-00 | -5.7* | 2000-09 | -1.3* | | | -1.3* | -1.3* |
| White | 1975-87 | 0.7* | 1987-90 | 3.0 | 1990-96 | -3.6* | 1996-00 | -6.0* | 2000-09 | -1.2* | | | -1.2* | -1.2* |
| Black | 1975-92 | 0.5* | 1992-09 | -2.7* | | | | | | | | | -2.7* | -2.7* |
| U.S. Cancer Mortal: | 1000 | 2000 | | | | | | | | | | | | |
| All Races | 1992-96 | -3.3* | 1996-00 | -5.6* | 2000-09 | -1.3* | | | | | | | -1.3* | -1.3* |
| White | 1992-90 | -4.6* | 2001-09 | -1.1* | 2000-09 | -1.5 | | | | | | | -1.5* | -1.1* |
| White NH ^{ef} | 1992-01 | -4.7* | 2001-09 | -0.8 | | | | | | | | | -1.2* | -0.8 |
| Black | 1992-01 | -3.5* | 2001-09 | -0.8 | | | | | | | | | -2.1* | -1.9* |
| Black NH ^{ef} | 1992-01 | -2.8* | 2001-09 | -1.9 | | | | | | | | | -2.8* | -2.8* |
| API ^e | 1992-09 | -2.8" | | | | | | | | | | | -0.6 | -0.6 |
| AI/AN ^{eg} | 1992-09 | -0.8 -3.1* | | | | | | | | | | | -0.0 | -0.0 |
| Hispanic ^f | 1992-09 | -3.1" -5.0* | 2000-09 | -0.6 | | | | | | | | | -0.6 | -0.6 |
| III SPAILIC | 1992 00 | 5.0 | 2000 09 | 0.0 | | | | | | | | | 0.0 | 0.0 |

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

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Table 23.3 Cancer of the Prostate (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints, Ages 65+ by Race/Ethnicity

| | JP Tre | end 1 | JP Tre | end 2 | JP Tr | end 3 | JP Tr | end 4 | JP Tre | end 5 | JP Tr | end 6 | AAF | C^{d} |
|----------------------------|--------------------------|------------------------|---------|-------|---------|--------|---------|--------|---------|-------|-------|-------|---------|---------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| SEER 9 Delay-Adjust | ed Incide | nce ^a . 197 | 25-2009 | | | | | | | | | | | |
| All Races | 1975-88 | 2.5* | 1988-92 | 15.1* | 1992-95 | -14.8* | 1995-00 | 1.2 | 2000-09 | -2.6* | | | -2.6* | -2.6* |
| White | 1975-88 | 2.7* | 1988-92 | 14.9* | 1992-95 | -15.8* | 1995-00 | 1.8 | 2000-09 | -2.7* | | | -2.7* | -2.7* |
| Black | 1975-89 | 2.0* | 1989-92 | 20.1* | 1992-95 | -9.1* | 1995-09 | -2.2* | | | | | -2.2* | -2.2* |
| SEER 13 Delay-Adjus | sted Incid | ence ^b , 19 | 92-2009 | | | | | | | | | | | |
| All Races | 1992-95 | -14.1* | 1995-00 | 1.0 | 2000-09 | -2.7* | | | | | | | -2.7* | -2.7* |
| White | 1992-95 | -15.1* | 1995-00 | 1.5 | 2000-09 | -2.8* | | | | | | | -2.8* | -2.8* |
| Black | 1992-95 | -8.2* | 1995-09 | -2.6* | | | | | | | | | -2.6* | -2.6* |
| SEER 9 Observed Inc | cidence ^a , 1 | 1975-2009 |) | | | | | | | | | | | |
| All Races | 1975-88 | 2.5* | 1988-92 | 15.1* | 1992-95 | -14.8* | 1995-00 | 1.2 | 2000-09 | -2.8* | | | -2.8* | -2.8* |
| White | 1975-88 | 2.7* | 1988-92 | 14.9* | 1992-95 | -15.9* | 1995-00 | 1.8 | 2000-09 | -3.1* | | | -3.1* | -3.1* |
| Black | 1975-89 | 2.0* | 1989-92 | 20.0* | 1992-95 | -8.8* | 1995-09 | -2.5* | | | | | -2.5* | -2.5* |
| SEER 13 Observed In | ncidence ^b , | 1992-200 | 19 | | | | | | | | | | | |
| All Races | 1992-95 | -14.2* | 1995-00 | 1.0 | 2000-09 | -2.9* | | | | | | | -2.9* | -2.9* |
| White | 1992-95 | -15.2* | 1995-00 | 1.5 | 2000-09 | -3.1* | | | | | | | -3.1* | -3.1* |
| White NH ^{ef} | 1992-95 | -15.6* | 1995-00 | 1.6 | 2000-09 | -3.0* | | | | | | | -3.0* | -3.0* |
| Black | 1992-95 | -8.0* | 1995-09 | -2.9* | | | | | | | | | -2.9* | -2.9* |
| Black NH ^{ef} | 1992-95 | -8.2* | 1995-09 | -2.8* | | | | | | | | | -2.8* | -2.8* |
| API ^e | 1992-97 | -7.8* | 1997-00 | 4.2 | 2000-07 | -2.4* | 2007-09 | -10.1* | | | | | -4.1* | -6.3* |
| AI/AN ^{eg} | 1992-09 | -2.2* | | | | | | | | | | | -2.2* | -2.2* |
| Hispanic ^f | 1992-96 | -6.0* | 1996-99 | 3.0 | 1999-09 | -3.4* | | | | | | | -3.4* | -3.4* |
| <u>U.S. Cancer Mortali</u> | ± / | -2009 | | | | | | | | | | | | |
| All Races | 1975-87 | 0.9* | 1987-91 | 3.2* | 1991-94 | -0.7 | 1994-09 | -3.8* | | | | | -3.8* | -3.8* |
| White | 1975-87 | 0.8* | 1987-91 | 3.2* | 1991-94 | -0.5 | 1994-98 | -4.4* | 1998-09 | -3.6* | | | -3.6* | -3.6* |
| Black | 1975-94 | 2.3* | 1994-01 | -2.8* | 2001-09 | -3.9* | | | | | | | -3.8* | -3.9* |
| <u>U.S. Cancer Mortali</u> | | | | | | | | | | | | | | |
| All Races | 1992-94 | -1.0 | 1994-09 | -3.8* | | | | | | | | | -3.8* | -3.8* |
| White | 1992-94 | -1.4 | 1994-09 | -3.7* | | | | | | | | | -3.7* | -3.7* |
| White NH ^{ef} | 1992-94 | -1.0 | 1994-04 | -3.9* | 2004-09 | -3.1* | | | | | | | -3.5* | -3.1* |
| Black | 1992-96 | -0.5 | 1996-09 | -3.5* | | | | | | | | | -3.5* | -3.5* |
| Black NH ^{ef} | 1992-96 | -0.4 | 1996-09 | -3.4* | | | | | | | | | -3.4* | -3.4* |
| API ^e | 1992-09 | -4.0* | | | | | | | | | | | -4.0* | -4.0* |
| AI/AN ^{eg} | 1992-09 | -2.5* | | | | | | | | | | | -2.5* | -2.5* |
| Hispanic ^f | 1992-95 | 1.8 | 1995-09 | -3.8* | | | | | | | | | -3.8* | -3.8* |

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

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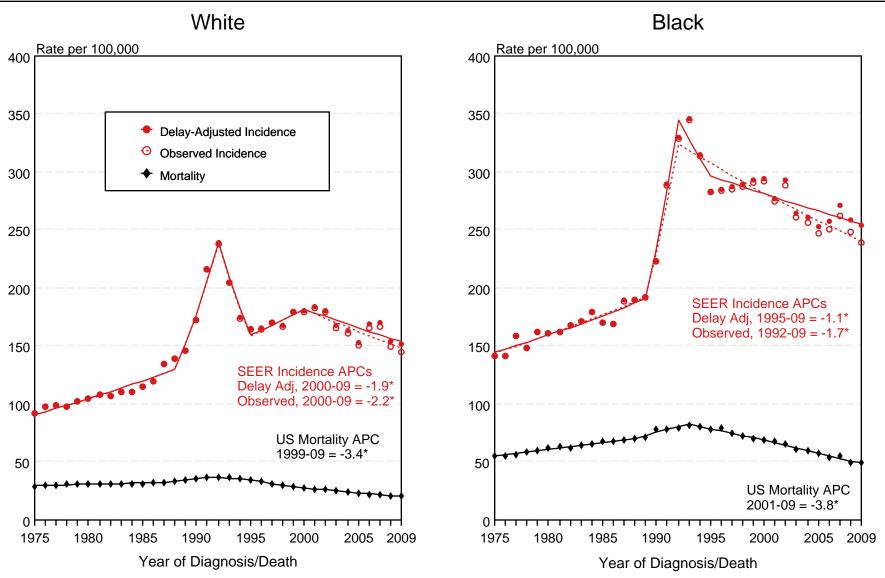
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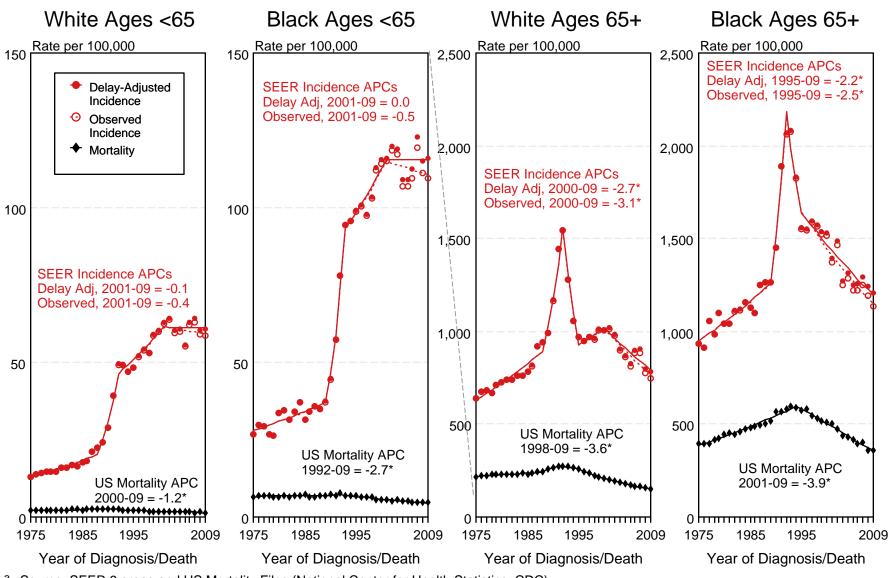
SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates^a Cancer of the Prostate, by Race



 ^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 Cancer Statistics Review 1975-2009

SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates^a Cancer of the Prostate, by Age and Race

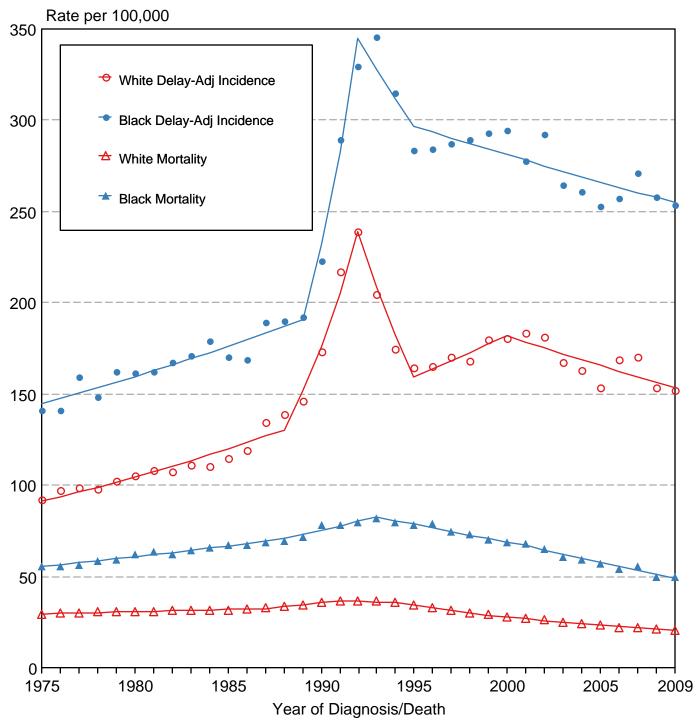


 ^a Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC). Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.5, April 2011, National Cancer 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).

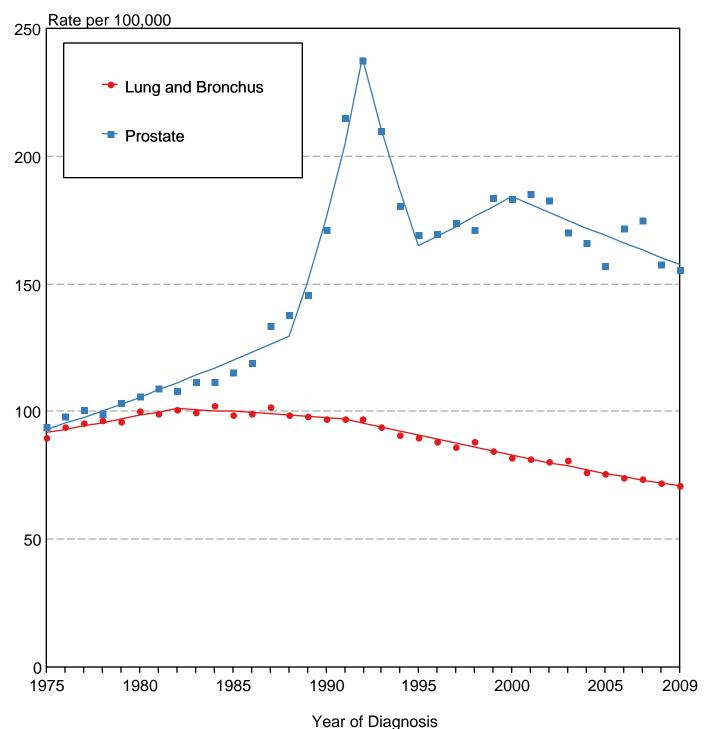
Figure 23.4

Cancer of the Prostate Delay-Adjusted SEER Incidence & US Mortality 1975-2008



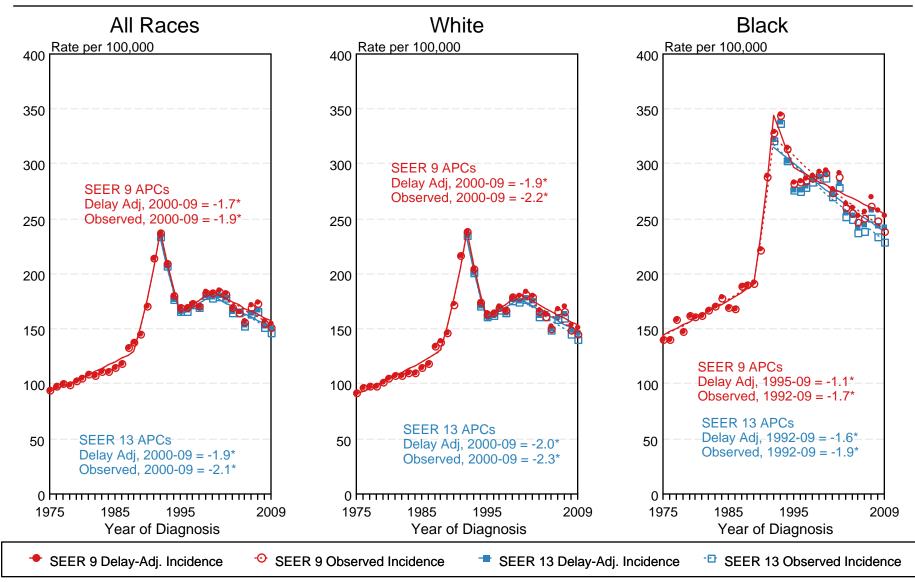
Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC). Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines are calculated using the Joinpoint Regression Program Version 3.5, April 2011, National Cancer Institute. Figure 23.5

Delay-Adjusted Incidence Rates for Cancer of the Prostate and Cancer of the Lung and Bronchus All Races, Males 1975-2008



Source: SEER 9 areas. 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.

SEER Observed Incidence and SEER Delay Adjusted Incidence Rates^a SEER 9 Areas Compared to SEER 13 Areas Cancer of the Prostate, by Race



^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).

Table 24.1 Cancer of the Stomach (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints, Both Sexes by Race/Ethnicity

| | JP Trend 1 | JP Tre | end 2 | JP Trend 3 | | JP Tr | end 4 | JP Trend 5 | | JP Trend 6 | | AAF | PC^{d} |
|--|----------------------------------|-----------|--------------|------------|----------------|-------|-------|------------|-----|------------|-----|---------|----------|
| | Years APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| SEER 9 Delay-Adjus | ted Incidence ^a 10 | 75-2009 | | | | | | | | | | | |
| All Races | 1975-09 -1.6* | 75 2005 | | | | | | | | | | -1.6* | -1.6* |
| White | 1975-09 -1.8* | | | | | | | | | | | -1.8* | -1.8* |
| Black | 1975-09 -1.3* | | | | | | | | | | | -1.3* | -1.3* |
| | | | | | | | | | | | | | |
| SEER 13 Delay-Adju | , | 1992-2009 | | | | | | | | | | | 1 0 1 |
| All Races | 1992-09 -1.2* | | | | | | | | | | | -1.2* | -1.2* |
| White | 1992-09 -1.3* | | | | | | | | | | | -1.3* | -1.3* |
| Black | 1992-09 -1.6* | | | | | | | | | | | -1.6* | -1.6* |
| <u>SEER 9 Observed In</u> | ncidence ^a , 1975-200 | <u>)9</u> | | | | | | | | | | | |
| All Races | 1975-09 -1.6* | | | | | | | | | | | -1.6* | -1.6* |
| White | 1975-09 -1.8* | | | | | | | | | | | -1.8* | -1.8* |
| Black | 1975-09 -1.3* | | | | | | | | | | | -1.3* | -1.3* |
| SEER 13 Observed I | naidence ^b 1992-20 | 009 | | | | | | | | | | | |
| All Races | 1992-09 -1.3* | | | | | | | | | | | -1.3* | -1.3* |
| White | 1992-09 -1.3* | | | | | | | | | | | -1.3* | -1.3* |
| White NH ^{ef} | 1992-09 -1.7* | | | | | | | | | | | -1.7* | -1.7* |
| Black | 1992-09 -1.7* | | | | | | | | | | | -1.7* | -1.7* |
| Black NH ^{ef} | 1992-09 -1.6* | | | | | | | | | | | -1.6* | -1.6* |
| API ^e | 1992-09 -2.8* | | | | | | | | | | | -2.8* | -2.8* |
| AI/AN ^{eg} | 1992-09 -0.6 | | | | | | | | | | | -0.6 | -0.6 |
| Hispanic ^f | 1992-09 -1.6* | | | | | | | | | | | -1.6* | -1.6* |
| - H. C. Common Montol | 1075 0000 | | | | | | | | | | | | |
| <u>U.S. Cancer Mortal</u> All Races | 1975-87 - 2.6* | 1987-90 | 0 0 | 1990-09 | -3.0* | | | | | | | -3.0* | -3.0* |
| White | 1975-87 -2.8* | 1987-90 | -0.2 -0.7 | 1990-09 | -3.0* -3.2* | | | | | | | -3.0* | -3.2* |
| Black | 1975-95 -1.3* | 1995-09 | -0.7 | 1990-09 | -3.2" | | | | | | | -3.3* | -3.3* |
| BIACK | 19/5-95 -1.5" | 1995-09 | -3.3" | | | | | | | | | -3.3" | -3.3" |
| <u>U.S. Cancer Mortal</u> | | | | | | | | | | | | | |
| All Races | 1992-09 -3.0* | | | | | | | | | | | -3.0* | -3.0* |
| White | 1992-09 -3.2* | | | | | | | | | | | -3.2* | -3.2* |
| White NH ^{ef} | 1992-09 -3.5* | | | | | | | | | | | -3.5* | -3.5* |
| Black | 1992-09 -3.0* | | | | | | | | | | | -3.0* | -3.0* |
| Black NH ^{ef} | 1992-09 -2.8* | | | | | | | | | | | -2.8* | -2.8* |
| API ^e | 1992-09 -3.7* | | | | | | | | | | | -3.7* | -3.7* |
| AI/AN ^{eg} | 1992-09 -1.9* | | | | | | | | | | | -1.9* | -1.9* |
| $Hispanic^{f}$ | 1992-03 -1.8* | 2003-09 | -4.1* | | | | | | | | | -3.3* | -4.1* |

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

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Table 24.2 Cancer of the Stomach (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints, Males by Race/Ethnicity

| | JP Trend 1 | JP Tr | JP Trend 2 | | end 3 | JP Tr | end 4 | JP Trend 5 | | JP Trend 6 | | AAF | Cd |
|--|--------------------------------|-----------|------------|---------|-------|-------|-------|------------|-----|------------|-----|---------------|---------------|
| | Years APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| SEER 9 Delay-Adju | sted Incidence ^a . | 1975-2009 | | | | | | | | | | | |
| All Races | 1975-80 -0.2 | | -1.8* | | | | | | | | | -1.8* | -1.8* |
| White | 1975-09 -1.8 | * | | | | | | | | | | -1.8* | -1.8* |
| Black | 1975-09 -1.5 | * | | | | | | | | | | -1.5* | -1.5* |
| SEER 13 Delay-Adj | usted Incidence ^b . | 1992-2009 | | | | | | | | | | | |
| All Races | 1992-09 -1.7 | 1* | | | | | | | | | | -1.7* | -1.7* |
| White | 1992-09 -1.7 | * | | | | | | | | | | -1.7* | -1.7* |
| Black | 1992-09 -1.9 | * | | | | | | | | | | -1.9* | -1.9* |
| SEER 9 Observed I | ncidence ^a , 1975-2 | 009 | | | | | | | | | | | |
| All Races | 1975-80 -0.2 | 1980-09 | -1.8* | | | | | | | | | -1.8* | -1.8* |
| White | 1975-09 -1.9 | * | | | | | | | | | | -1.9* | -1.9* |
| Black | 1975-81 2.9 | 1981-09 | -1.9* | | | | | | | | | -1.9* | -1.9* |
| SEER 13 Observed | Incidence ^b , 1992- | 2009 | | | | | | | | | | | |
| All Races | 1992-09 -1.7 | | | | | | | | | | | -1.7* | -1.7* |
| White | 1992-09 -1.7 | * | | | | | | | | | | -1.7* | -1.7* |
| White NH ^{ef} | 1992-09 -2.0 | | | | | | | | | | | -2.0* | -2.0* |
| Black | 1992-09 -1.9 | | | | | | | | | | | -1.9* | -1.9* |
| Black NH ^{ef} | 1992-09 -1.9 | | | | | | | | | | | -1.9* | -1.9* |
| API ^e | 1992-09 -2.9 | | | | | | | | | | | -2.9* | -2.9* |
| AI/AN ^{eg} | 1992-09 -0.7 | | | | | | | | | | | -0.7 | -0.7 |
| Hispanic ^f | 1992-09 -1.9 | * | | | | | | | | | | -1.9* | -1.9* |
| <u>U.S. Cancer Morta</u> | * * | | | | | | | | | | | | |
| All Races | 1975-87 -2.3 | | | 1991-09 | -3.4* | | | | | | | -3.4* | -3.4* |
| White | 1975-93 -2.3 | | -3.6* | | | | | | | | | -3.6* | -3.6* |
| Black | 1975-93 -1.2 | 1993-09 | -3.2* | | | | | | | | | -3.2* | -3.2* |
| <u>U.S. Cancer Morta</u> | | | | | | | | | | | | | |
| All Races | 1992-94 -1.8 | | -3.5* | | | | | | | | | -3.5* | -3.5* |
| White | 1992-09 -3.6 | | | | | | | | | | | -3.6* | -3.6* |
| White NH ^{ef} | 1992-94 -0.8 | | -3.9* | | | | | | | | | -3.9* | -3.9* |
| Black | 1992-09 -3.1 | | | | | | | | | | | -3.1* | -3.1* |
| Black NH ^{ef} | 1992-09 -2.9 | | | | | | | | | | | -2.9* | -2.9* |
| API ^e | 1992-09 -3.6 | | | | | | | | | | | -3.6* | -3.6* |
| AI/AN ^{eg} Hispanic ^f | 1992-09 -1.8 1992-02 -2.0 | | 1 ⊑≁ | | | | | | | | | -1.8 -3.9* | -1.8 -4.5* |
| птарание | 1992-02 -2.0 | 2002-09 | -4.5^ | | | | | | | | | -3.9^ | -4.5^ |

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

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Table 24.3 Cancer of the Stomach (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints, Females by Race/Ethnicity

| | JP Trend 1 | JP Tr | Trend 2 JP Trend 3 | | JP Tr | end 4 | JP Tre | end 5 | JP Trend 6 | | AAP | Cd | |
|---|---------------------------------|-----------|--------------------|---------|-------|-------|--------|-------|------------|-------|-----|----------------|----------------|
| | Years AP | C Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| SEER 9 Delay-Adjus | ted Incidence ^a | 1975-2009 | | | | | | | | | | | |
| All Races | 1975-09 -1. | | | | | | | | | | | -1.5* | -1.5* |
| White | 1975-09 -1. | | | | | | | | | | | -1.9* | -1.9* |
| Black | 1975-09 -0. | | | | | | | | | | | -0.8* | -0.8* |
| <u>SEER 13 Delay-Adju</u> | atod Ingidongob | 1002 2000 | | | | | | | | | | | |
| All Races | 1992-09 -0. | | | | | | | | | | | -0.8* | -0.8* |
| White | 1992-09 -0. | | | | | | | | | | | -0.9* | -0.9* |
| Black | 1992-09 -1. | | | | | | | | | | | -1.0* | -1.0* |
| | | | | | | | | | | | | 1.0 | 1.0 |
| <u>SEER 9 Observed In</u> | | | | | | | | | | | | | |
| All Races | 1975-09 -1. | | | | | | | | | | | -1.5* | -1.5* |
| White | 1975-09 -2. | | | | | | | | | | | -2.0* | -2.0* |
| Black | 1975-09 -0. | 8* | | | | | | | | | | -0.8* | -0.8* |
| SEER 13 Observed I | ncidence ^b , 1992 | -2009 | | | | | | | | | | | |
| All Races | 1992-09 -0. | 8* | | | | | | | | | | -0.8* | -0.8* |
| White | 1992-09 -1. | 0 * | | | | | | | | | | -1.0* | -1.0* |
| White NH ^{ef} | 1992-09 -1. | 7* | | | | | | | | | | -1.7* | -1.7* |
| Black | 1992-09 -1. | 1* | | | | | | | | | | -1.1* | -1.1* |
| Black NH ^{ef} | 1992-09 -1. | 1* | | | | | | | | | | -1.1* | -1.1* |
| API ^e | 1992-09 -2. | 4* | | | | | | | | | | -2.4* | -2.4* |
| AI/AN ^{eg} | 1992-09 -0. | | | | | | | | | | | -0.2 | -0.2 |
| Hispanic ^f | 1992-05 -0. | 3 2005-09 | -5.7* | | | | | | | | | -2.7* | -5.7* |
| U.S. Cancer Mortal | itv^{c} , 1975-2009 | | | | | | | | | | | | |
| All Races | 1975-87 -2. | | -0.2 | 1990-09 | -2.7* | | | | | | | -2.7* | -2.7* |
| White | 1975-87 -3. | | -0.9 | 1990-09 | -3.0* | | | | | | | -3.0* | -3.0* |
| Black | 1975-99 -1. | | -3.9* | 1000 00 | 5.0 | | | | | | | -3.9* | -3.9* |
| | | | | | | | | | | | | | |
| <u>U.S. Cancer Mortal</u> All Races | <u>1992-2009</u> 1992-09 -2. | 0.+ | | | | | | | | | | -2.8* | -2.8* |
| White | 1992-09 -2. | | | | | | | | | | | -2.9* | -2.8* -2.9* |
| White NH ^{ef} | 1992-09 -2. | | | | | | | | | | | -2.9^ -3.3* | -2.9^ -3.3* |
| Black | 1992-09 -3. | | | | | | | | | | | -3.3* -3.0* | -3.3* -3.0* |
| Black NH ^{ef} | 1992-09 -3. | | | | | | | | | | | -2.7* | -3.0* |
| API ^e | 1992-09 -2. | | | | | | | | | | | -2.7* | -2.7* |
| AP1 ⁻ AI/AN ^{eg} | 1992-09 -3. 1992-98 7. | | -5.4* | | | | | | | | | -3./* -5.4* | -3./^ -5.4* |
| Hispanic ^f | 1992-98 7. | | -5.4^ | | | | | | | | | -5.4^ -2.1* | -5.4^ -2.1* |
| птеранис | 1992-09 -2. | Τ | | | | | | | | | | -2.1" | -7.1 |

Joinpoint Regression Program Version 3.5, April 2011, National Cancer Institute. (<u>http://surveillance.cancer.gov/joinpoint</u>/). 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 1 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, SC, 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.

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SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates^a Cancer of the Stomach, by Race and Sex

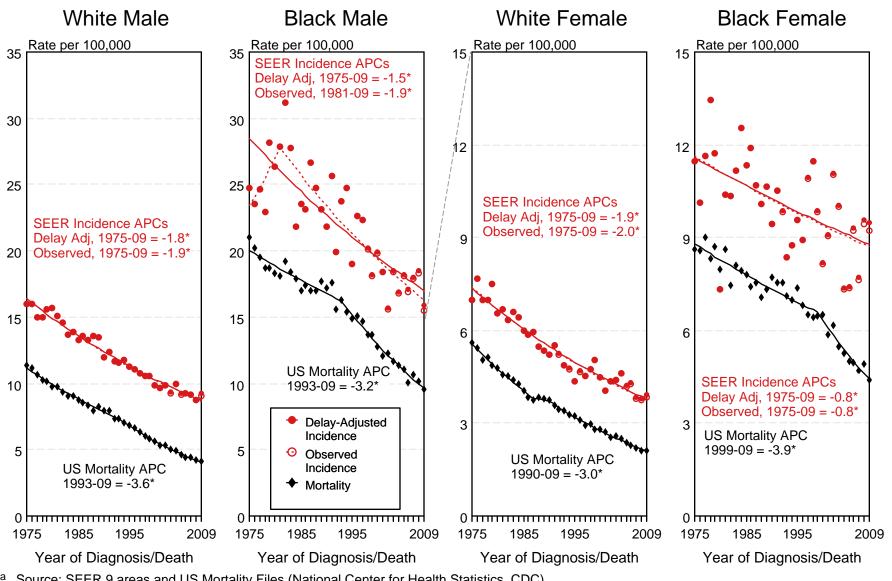
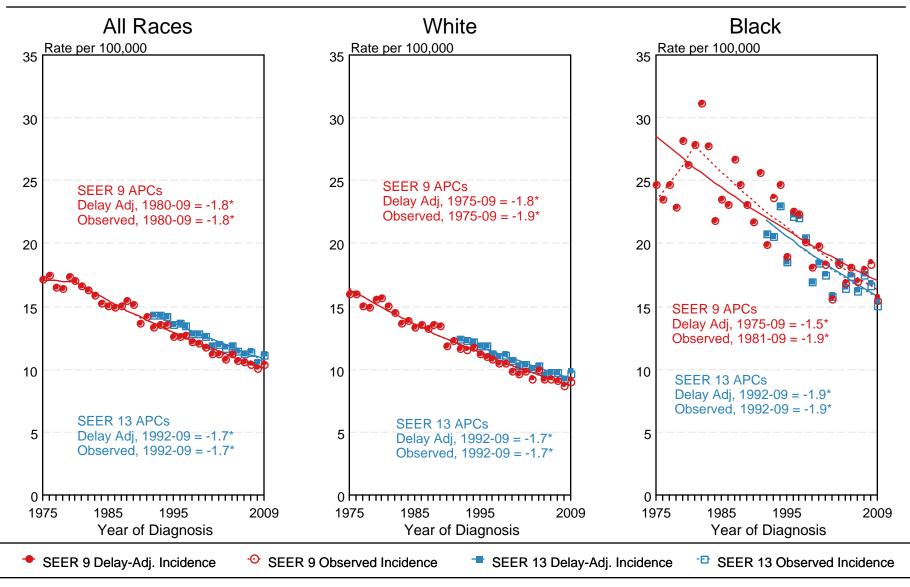


Figure 24.1

 ^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 and SEER Delay Adjusted Incidence Rates^a SEER 9 Areas Compared to SEER 13 Areas Cancer of the Stomach, Male, by Race



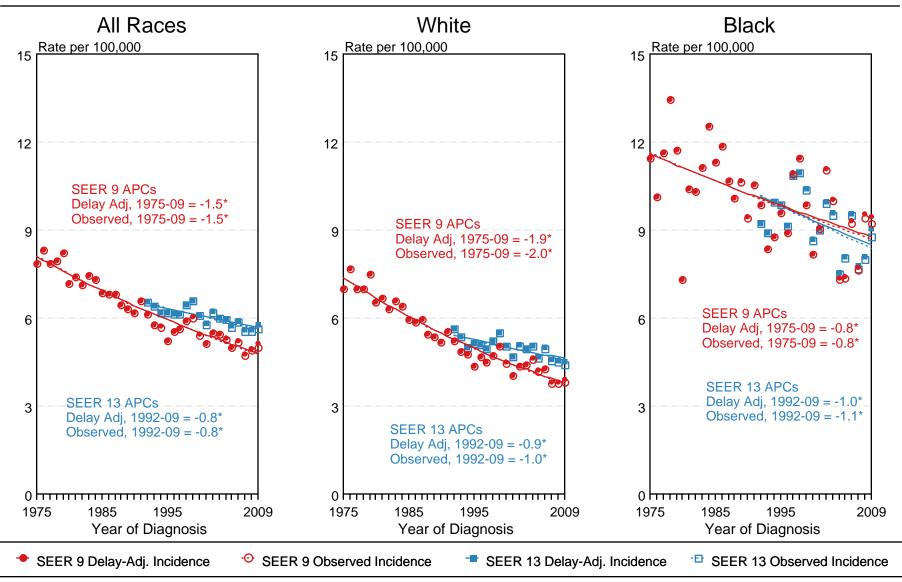
^a Source: SEER 9 areas and SEER 13 areas.

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).

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SEER Observed Incidence and SEER Delay Adjusted Incidence Rates^a SEER 9 Areas Compared to SEER 13 Areas Cancer of the Stomach, Female, by Race



^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.

Table 25.1 Cancer of the Testis (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints, All Ages by Race/Ethnicity

| | JP Tre | and 1 | JP Trend 2 | | JP Tre | and 3 | JP Tr | end 4 | JP Tr | end 5 | JP Tr | end 6 | AAF | Cd |
|--|--------------------------|----------------------------------|---------------------|--------------|---------|-------|-------|-------|-------|-------|-------|-------|--------------|--------------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | | 2005-09 |
| SEER 9 Delay-Adjus | ted Incide | nce ^a 19 [°] | 75-2009 | | | | | | | | | | | |
| All Races | 1975-89 | 2.3* | 1989-09 | 0.8* | | | | | | | | | 0.8* | 0.8* |
| White | 1975-89 | 2.6* | 1989-09 | 1.0* | | | | | | | | | 1.0* | 1.0* |
| Black | 1975-09 | 2.1* | | | | | | | | | | | 2.1* | 2.1* |
| SEER 13 Delay-Adju | atod Traid | ongo ^b 10 | 202-2000 | | | | | | | | | | | |
| All Races | 1992-09 | 1.1* | 992-2009 | | | | | | | | | | 1.1* | 1.1* |
| White | 1992-09 | 1.3* | | | | | | | | | | | 1.3* | 1.3* |
| Black | 1992-94 | 52.3 | 1994-09 | 0.2 | | | | | | | | | 0.2 | 0.2 |
| | | | | | | | | | | | | | | |
| SEER 9 Observed In | | | <u>9</u> 1989-09 | 0.8* | | | | | | | | | 0 0 * | 0 0 * |
| All Races White | 1975-89 1975-89 | 2.3* 2.6* | 1989-09 1989-09 | 0.8^ 1.0* | | | | | | | | | 0.8* 1.0* | 0.8* 1.0* |
| Black | 1975-09 | 2.0* | 1989-09 | 1.0* | | | | | | | | | 2.0* | 2.0* |
| | | | | | | | | | | | | | 2.0 | 2.0 |
| SEER 13 Observed I | , | | <u>)9</u> | | | | | | | | | | | |
| All Races | 1992-09 | 1.1* | | | | | | | | | | | 1.1* | 1.1* |
| White | 1992-09 | 1.2* | | | | | | | | | | | 1.2* | 1.2* |
| White NH ^{ef} | 1992-09 | 1.3* | | | | | | | | | | | 1.3* | 1.3* |
| Black | 1992-94 | 52.6 | 1994-09 | 0.0 | | | | | | | | | 0.0 | 0.0 |
| Black NH ^{ef} API ^e | 1992-94 | 49.6 | 1994-09 | 0.1 | | | | | | | | | 0.1 | 0.1 |
| | 1992-09 | 1.1 | | | | | | | | | | | 1.1 | 1.1 |
| AI/AN ^{eg} | 1992-09 | 2.7 1.4* | 2004-09 | 6.4* | | | | | | | | | 2.7 4.2* | 2.7 6.4* |
| Hispanic ^f | 1992-04 | 1.4~ | 2004-09 | 0.4~ | | | | | | | | | 4.2* | 0.4~ |
| U.S. Cancer Mortal | | | | | | | | | | | | | | |
| All Races | 1975-81 | | 1981-95 | -3.0* | 1995-09 | -0.5 | | | | | | | -0.5 | -0.5 |
| White | 1975-81 | | 1981-95 | -2.8* | 1995-09 | -0.4 | | | | | | | -0.4 | -0.4 |
| Black | 1975-09 | -2.0* | | | | | | | | | | | -2.0* | -2.0* |
| U.S. Cancer Mortal | ity ^c , 1992- | -2009 | | | | | | | | | | | | |
| All Races | 1992-09 | -0.8* | | | | | | | | | | | -0.8* | -0.8* |
| White | 1992-09 | -0.8* | | | | | | | | | | | -0.8* | -0.8* |
| White NH ^{ef} | 1992-09 | -0.7* | | | | | | | | | | | -0.7* | -0.7* |
| Black | 1992-09 | -0.5 | | | | | | | | | | | -0.5 | -0.5 |
| Black NH ^{ef} | 1992-09 | -0.4 | | | | | | | | | | | -0.4 | -0.4 |
| API ^e | 1992-09 | 3.6 | | | | | | | | | | | 3.6 | 3.6 |
| AI/AN ^{eg} | - | - | | | | | | | | | | | - | - |
| Hispanic ^f | 1992-09 | 0.3 | | | | | | | | | | | 0.3 | 0.3 |

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

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Table 25.2 Cancer of the Testis (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints, Ages <50 by Race/Ethnicity

| | JP Tre | nd 1 | JP Trend 2 | | JP Tre | end 3 | JP Tre | end 4 | JP Tre | end 5 | JP Tre | end 6 | AAP | Cq |
|--|--------------------------|------------------------|------------|-------|--------|-------|--------|-------|--------|-------|--------|-------|---------|---------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| SEER 9 Delay-Adjusted Incidence ^a , 1975-2009 | | | | | | | | | | | | | | |
| All Races | 1975-89 | 2.8* | 1989-09 | 0.8* | | | | | | | | | 0.8* | 0.8* |
| White | 1975-89 | 3.1* | 1989-09 | 1.0* | | | | | | | | | 1.0* | 1.0* |
| Black | 1975-09 | 1.7* | | | | | | | | | | | 1.7* | 1.7* |
| SEER 13 Delay-Adju | sted Incide | ence ^b , 19 | 992-2009 | | | | | | | | | | | |
| All Races | 1992-09 | 1.1* | | | | | | | | | | | 1.1* | 1.1* |
| White | 1992-09 | 1.2* | | | | | | | | | | | 1.2* | 1.2* |
| Black | 1992-09 | 0.8 | | | | | | | | | | | 0.8 | 0.8 |
| SEER 9 Observed In | cidence ^a , 1 | 975-2009 | 9 | | | | | | | | | | | |
| All Races | 1975-89 | 2.8* | 1989-09 | 0.7* | | | | | | | | | 0.7* | 0.7* |
| White | 1975-89 | 3.1* | 1989-09 | 0.9* | | | | | | | | | 0.9* | 0.9* |
| Black | 1975-09 | 1.7* | | | | | | | | | | | 1.7* | 1.7* |
| <u>SEER 13 Observed Incidence^b, 1992-2009</u> | | | | | | | | | | | | | | |
| All Races | 1992-09 | 1.0* | | | | | | | | | | | 1.0* | 1.0* |
| White | 1992-09 | 1.2* | | | | | | | | | | | 1.2* | 1.2* |
| White NH ^{ef} | 1992-09 | 1.2* | | | | | | | | | | | 1.2* | 1.2* |
| Black | 1992-09 | 0.6 | | | | | | | | | | | 0.6 | 0.6 |
| Black NH ^{ef} | 1992-09 | 0.6 | | | | | | | | | | | 0.6 | 0.6 |
| API ^e | 1992-09 | 0.8 | | | | | | | | | | | 0.8 | 0.8 |
| AI/AN ^{eg} | 1992-09 | 1.9 | | | | | | | | | | | 1.9 | 1.9 |
| Hispanic ^f | 1992-02 | 1.4* | 2002-09 | 5.0* | | | | | | | | | 4.2* | 5.0* |
| U.S. Cancer Mortal | - · | | | | | | | | | | | | | |
| All Races | 1975-83 | -9.8* | 1983-09 | -1.7* | | | | | | | | | -1.7* | -1.7* |
| White | 1975-82 | | 1982-09 | -1.7* | | | | | | | | | -1.7* | -1.7* |
| Black | 1975-09 | -1.2* | | | | | | | | | | | -1.2* | -1.2* |
| U.S. Cancer Mortal | | | | | | | | | | | | | | |
| All Races | 1992-09 | -1.3* | | | | | | | | | | | -1.3* | -1.3* |
| White | 1992-09 | -1.3* | | | | | | | | | | | -1.3* | -1.3* |
| White NH ^{ef} | 1992-09 | -1.4* | | | | | | | | | | | -1.4* | -1.4* |
| Black | 1992-09 | -0.7 | | | | | | | | | | | -0.7 | -0.7 |
| Black NH ^{ef} | 1992-09 | -1.0 | | | | | | | | | | | -1.0 | -1.0 |
| API ^e | 1992-09 | 5.2* | | | | | | | | | | | 5.2* | 5.2* |
| AI/AN ^{eg} | - | - | | | | | | | | | | | - | - |
| Hispanic ^f | 1992-09 | 1.3 | | | | | | | | | | | 1.3 | 1.3 |

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

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Table 25.3 Cancer of the Testis (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints, Ages 50+ by Race/Ethnicity

| | JP Trend 1 | | JP Tre | end 2 | JP Tr | end 3 | JP Tre | end 4 | JP Tre | end 5 | JP Tr | JP Trend 6 | | Cd |
|---------------------------|---------------------------|------------------------|-----------|-------|-------|-------|--------|-------|--------|-------|-------|------------|---------|---------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| SEER 9 Delay-Adjus | sted Incide | nce ^a , 197 | 75-2009 | | | | | | | | | | | |
| All Races | 1975-09 | 0.4 | | | | | | | | | | | 0.4 | 0.4 |
| White | 1975-09 | 0.4 | | | | | | | | | | | 0.4 | 0.4 |
| Black | - | - | | | | | | | | | | | - | - |
| <u>SEER 13 Delay-Adju</u> | sted Incid | ence ^b , 19 | 92-2009 | | | | | | | | | | | |
| All Races | 1992-09 | 1.8* | | | | | | | | | | | 1.8* | 1.8* |
| White | 1992-09 | 1.7* | | | | | | | | | | | 1.7* | 1.7* |
| Black | - | - | | | | | | | | | | | - | - |
| SEER 9 Observed In | ncidence ^a , 1 | L975-2009 | 9 | | | | | | | | | | | |
| All Races | 1975-09 | 0.4 | | | | | | | | | | | 0.4 | 0.4 |
| White | 1975-09 | 0.4 | | | | | | | | | | | 0.4 | 0.4 |
| Black | - | - | | | | | | | | | | | - | - |
| SEER 13 Observed I | Incidence ^b , | 1992-200 | <u>)9</u> | | | | | | | | | | | |
| All Races | 1992-09 | 1.8* | | | | | | | | | | | 1.8* | 1.8* |
| White | 1992-09 | 1.6* | | | | | | | | | | | 1.6* | 1.6* |
| White NH ^{ef} | 1992-09 | 1.9* | | | | | | | | | | | 1.9* | 1.9* |
| Black | - | - | | | | | | | | | | | - | - |
| Black NH ^{ef} | - | - | | | | | | | | | | | - | - |
| API ^e | 1992-09 | 3.4 | | | | | | | | | | | 3.4 | 3.4 |
| AI/AN ^{eg} | - | - | | | | | | | | | | | - | - |
| $Hispanic^{f}$ | 1992-09 | 0.7 | | | | | | | | | | | 0.7 | 0.7 |
| U.S. Cancer Mortal | | | | | | | | | | | | | | |
| All Races | 1975-91 | -5.8* | 1991-09 | 0.3 | | | | | | | | | 0.3 | 0.3 |
| White | 1975-90 | -6.1* | 1990-09 | 0.3 | | | | | | | | | 0.3 | 0.3 |
| Black | 1975-09 | -3.0* | | | | | | | | | | | -3.0* | -3.0* |
| U.S. Cancer Mortal | ity ^c , 1992- | -2009 | | | | | | | | | | | | |
| All Races | 1992-09 | 0.3 | | | | | | | | | | | 0.3 | 0.3 |
| White | 1992-09 | 0.5 | | | | | | | | | | | 0.5 | 0.5 |
| White NH ^{ef} | 1992-09 | 0.9 | | | | | | | | | | | 0.9 | 0.9 |
| Black | 1992-09 | -0.7 | | | | | | | | | | | -0.7 | -0.7 |
| Black NH ^{ef} | 1992-09 | 1.0 | | | | | | | | | | | 1.0 | 1.0 |
| API ^e | - | - | | | | | | | | | | | - | - |
| AI/AN ^{eg} | - | - | | | | | | | | | | | - 1 | - |
| $Hispanic^{f}$ | 1992-09 | -3.1 | | | | | | | | | | | -3.1 | -3.1 |

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

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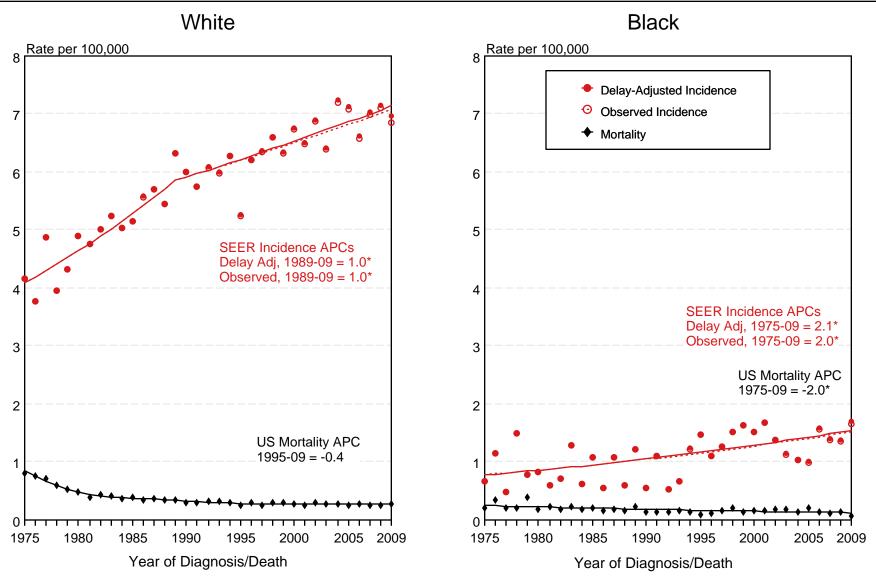
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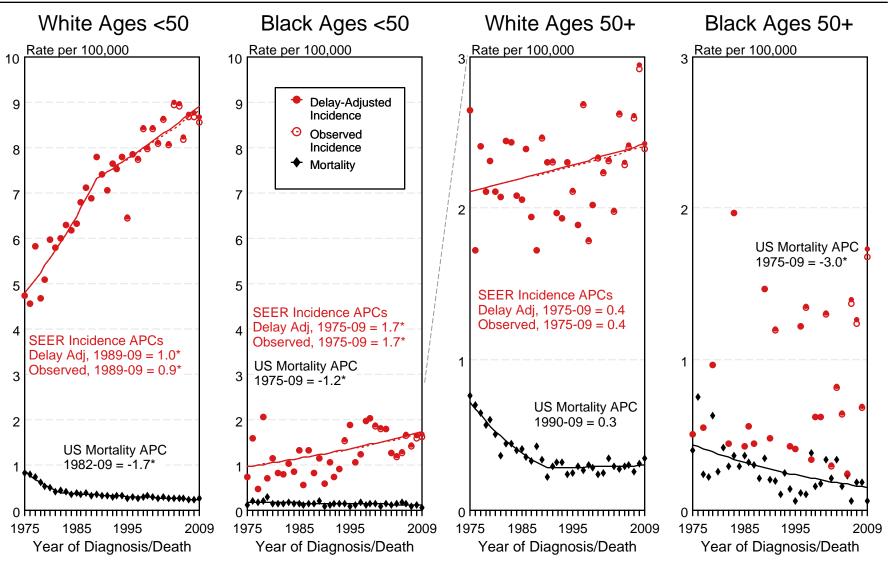
SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates^a Cancer of the Testis, by Race



^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 Cancer of the Testis, by Age and Race



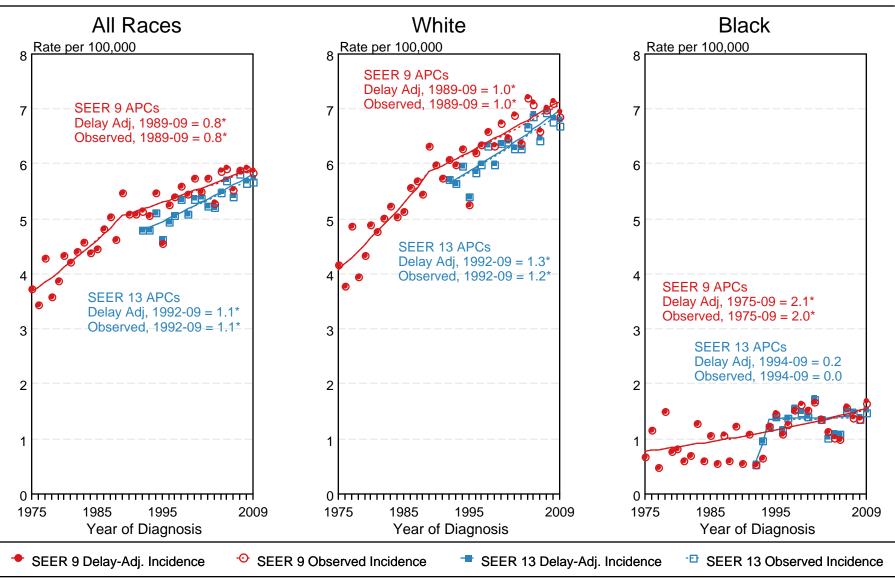
Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).

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

Regression lines 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).

Regression line cannot be calculated for Black Male Age 50+ Incidence and Delay-adjusted Incidence due to years with zero count.

SEER Observed Incidence and SEER Delay Adjusted Incidence Rates^a SEER 9 Areas Compared to SEER 13 Areas Cancer of the Testis, by Race



^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.

Table 26.1 Cancer of the Thyroid (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints, Both Sexes by Race/Ethnicity

| | JP Tre | end 1 | JP Trend 2 | | JP Tre | and 3 | JP Tre | end 4 | JP Tr | end 5 | JP Tr | end 6 | AAF | C^{d} |
|------------------------|---------------------------|------------------------|------------|------|---------|-------|---------|-------|-------|-------|-------|-------|---------|---------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| SEER 9 Delay-Adju | sted Incide | nce ^a . 19' | 75-2009 | | | | | | | | | | | |
| All Races | 1975-77 | 6.1 | 1977-80 | -6.5 | 1980-97 | 2.4* | 1997-09 | 6.7* | | | | | 6.7* | 6.7* |
| White | 1975-77 | 7.3 | 1977-80 | -6.6 | 1980-97 | 2.7* | 1997-09 | 7.0* | | | | | 7.0* | 7.0* |
| Black | 1975-95 | 0.9 | 1995-09 | 6.3* | | | | | | | | | 6.3* | 6.3* |
| SEER 13 Delay-Adju | usted Incide | ence ^b , 19 | 992-2009 | | | | | | | | | | | |
| All Races | 1992-98 | 2.9* | 1998-09 | 6.6* | | | | | | | | | 6.6* | 6.6* |
| White | 1992-98 | 3.6* | 1998-09 | 6.7* | | | | | | | | | 6.7* | 6.7* |
| Black | 1992-95 | -4.3 | 1995-09 | 6.7* | | | | | | | | | 6.7* | 6.7* |
| SEER 9 Observed I | ncidence ^a , 1 | L975-2009 | 9 | | | | | | | | | | | |
| All Races | 1975-77 | 6.1 | | -6.5 | 1980-97 | 2.4* | 1997-09 | 6.6* | | | | | 6.6* | 6.6* |
| White | 1975-77 | 7.3 | 1977-80 | -6.6 | 1980-97 | 2.7* | 1997-09 | 6.9* | | | | | 6.9* | 6.9* |
| Black | 1975-95 | 0.8 | 1995-09 | 6.1* | | | | | | | | | 6.1* | 6.1* |
| SEER 13 Observed 1 | Incidence ^b , | 1992-200 | 09 | | | | | | | | | | | |
| All Races | 1992-98 | 3.0* | 1998-09 | 6.5* | | | | | | | | | 6.5* | 6.5* |
| White | 1992-98 | 3.6* | 1998-09 | 6.6* | | | | | | | | | 6.6* | 6.6* |
| White NH ^{ef} | 1992-98 | 4.3* | 1998-09 | 6.8* | | | | | | | | | 6.8* | 6.8* |
| Black | 1992-95 | -4.2 | 1995-09 | 6.6* | | | | | | | | | 6.6* | 6.6* |
| Black NH ^{ef} | 1992-95 | -4.6 | 1995-09 | 6.7* | | | | | | | | | 6.7* | 6.7* |
| API ^e | 1992-00 | 0.5 | 2000-09 | 5.9* | | | | | | | | | 5.9* | 5.9* |
| AI/AN ^{eg} | 1992-09 | 2.6* | | | | | | | | | | | 2.6* | 2.6* |
| Hispanic ^f | 1992-95 | -4.9 | 1995-09 | 5.2* | | | | | | | | | 5.2* | 5.2* |
| U.S. Cancer Morta | lity ^c , 1975- | -2009 | | | | | | | | | | | | |
| All Races | 1975-88 | -2.2* | 1988-09 | 0.8* | | | | | | | | | 0.8* | 0.8* |
| White | 1975-88 | -2.3* | 1988-09 | 0.8* | | | | | | | | | 0.8* | 0.8* |
| Black | 1975-09 | 0.0 | | | | | | | | | | | 0.0 | 0.0 |
| U.S. Cancer Morta | lity ^c , 1992- | -2009 | | | | | | | | | | | | |
| All Races | 1992-09 | 0.9* | | | | | | | | | | | 0.9* | 0.9* |
| White | 1992-09 | 0.8* | | | | | | | | | | | 0.8* | 0.8* |
| White NH ^{ef} | 1992-09 | 1.0* | | | | | | | | | | | 1.0* | 1.0* |
| Black | 1992-09 | 1.4* | | | | | | | | | | | 1.4* | 1.4* |
| Black NH ^{ef} | 1992-09 | 1.6* | | | | | | | | | | | 1.6* | 1.6* |
| API ^e | 1992-09 | -0.3 | | | | | | | | | | | -0.3 | -0.3 |
| AI/AN ^{eg} | 1992-09 | 2.0 | | | | | | | | | | | 2.0 | 2.0 |
| Hispanic ^f | 1992-09 | -0.4 | | | | | | | | | | | -0.4 | -0.4 |

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

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Table 26.2 Cancer of the Thyroid (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints,

Males by Race/Ethnicity

| | JP Trend 1 | | JP Tre | end 2 | JP Tre | nd 3 | JP Tre | nd 4 | JP Tre | end 5 | JP Tre | end 6 | AAF | PC ^d |
|----------------------------|--|------------------------|---------|-------|---------|------|---------|------|--------|-------|--------|-------|---------|-----------------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| SEER 9 Delay-Adjust | SEER 9 Delay-Adjusted Incidence ^a , 1975-2009 | | | | | | | | | | | | | |
| All Races | 1975-80 | -4.7* | 1980-98 | 1.9* | 1998-09 | 6.1* | | | | | | | 6.1* | 6.1* |
| White | 1975-77 | 10.0 | 1977-80 | -9.0 | 1980-98 | 2.6* | 1998-09 | 6.2* | | | | | 6.2* | 6.2* |
| Black | 1975-09 | 2.9* | | | | | | | | | | | 2.9* | 2.9* |
| SEER 13 Delay-Adjus | ted Incide | ence ^b , 19 | 92-2009 | | | | | | | | | | | |
| All Races | 1992-96 | -1.4 | 1996-09 | 5.6* | | | | | | | | | 5.6* | 5.6* |
| White | 1992-98 | 1.8 | 1998-09 | 6.1* | | | | | | | | | 6.1* | 6.1* |
| Black | 1992-95 | -12.7 | 1995-09 | 5.8* | | | | | | | | | 5.8* | 5.8* |
| SEER 9 Observed Inc | idence ^a , 1 | 975-2009 | | | | | | | | | | | | |
| All Races | 1975-80 | -4.7* | 1980-98 | 1.9* | 1998-09 | 5.9* | | | | | | | 5.9* | 5.9* |
| White | 1975-77 | 10.0 | 1977-80 | -9.1 | 1980-98 | 2.6* | 1998-09 | 6.0* | | | | | 6.0* | 6.0* |
| Black | 1975-09 | 2.8* | | | | | | | | | | | 2.8* | 2.8* |
| SEER 13 Observed In | cidence ^b , | 1992-200 | 9 | | | | | | | | | | | |
| All Races | 1992-96 | -1.4 | 1996-09 | 5.5* | | | | | | | | | 5.5* | 5.5* |
| White | 1992-98 | 1.8 | 1998-09 | 6.0* | | | | | | | | | 6.0* | 6.0* |
| White NH ^{ef} | 1992-98 | 2.1 | 1998-09 | 6.4* | | | | | | | | | 6.4* | 6.4* |
| Black | 1992-95 | -12.6 | 1995-09 | 5.6* | | | | | | | | | 5.6* | 5.6* |
| Black NH ^{ef} | 1992-95 | -12.2 | 1995-09 | 5.6* | | | | | | | | | 5.6* | 5.6* |
| API ^e | 1992-04 | 0.7 | 2004-09 | 8.7* | | | | | | | | | 5.0* | 8.7* |
| AI/AN ^{eg} | 1992-09 | 2.3 | | | | | | | | | | | 2.3 | 2.3 |
| Hispanic ^f | 1992-09 | 3.6* | | | | | | | | | | | 3.6* | 3.6* |
| <u>U.S. Cancer Mortali</u> | ty ^c , 1975- | -2009 | | | | | | | | | | | | |
| All Races | 1975-83 | -3.2* | 1983-09 | 1.2* | | | | | | | | | 1.2* | 1.2* |
| White | 1975-84 | -2.6* | 1984-09 | 1.3* | | | | | | | | | 1.3* | 1.3* |
| Black | 1975-09 | 0.3 | | | | | | | | | | | 0.3 | 0.3 |
| <u>U.S. Cancer Mortali</u> | ty ^c , 1992- | -2009 | | | | | | | | | | | | |
| All Races | 1992-09 | 1.6* | | | | | | | | | | | 1.6* | 1.6* |
| White | 1992-09 | 1.7* | | | | | | | | | | | 1.7* | 1.7* |
| White NH ^{ef} | 1992-09 | 1.7* | | | | | | | | | | | 1.7* | 1.7* |
| Black | 1992-09 | 1.9* | | | | | | | | | | | 1.9* | 1.9* |
| Black NH ^{ef} | 1992-09 | 1.8* | | | | | | | | | | | 1.8* | 1.8* |
| API ^e | 1992-09 | 0.0 | | | | | | | | | | | 0.0 | 0.0 |
| AI/AN ^{eg} | - | - | | | | | | | | | | | - | - |
| Hispanic ^f | 1992-09 | 1.7 | | | | | | | | | | | 1.7 | 1.7 |

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

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Table 26.3 Cancer of the Thyroid (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 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 | | AAF | Cd |
|--------------------------|---------------------------|-----------|------------|------|------------|-------------|------------|------|------------|-----|------------|-----|---------|---------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | | 2005-09 |
| SEER 9 Delay-Adju | | | | | TOULD | | TOULD | | 10415 | | 10415 | | 2000 09 | 1000 07 |
| All Races | 1975-77 | 6.7 | 1977-80 | -5.9 | 1980-97 | 2.6* | 1997-09 | 7.1* | | | | | 7.1* | 7.1* |
| White | 1975-81 | -1.1 | 1981-93 | 2.4* | 1993-99 | 2.0 5.1* | 1999-09 | 7.5* | | | | | 7.5* | 7.5* |
| Black | 1975-91 | -0.4 | 1991-09 | 5.9* | 1993 99 | 5.1 | 1999 09 | 1.5 | | | | | 5.9* | 5.9* |
| | | | | 5.5 | | | | | | | | | 5.5 | 5.5 |
| <u>SEER 13 Delay-Adj</u> | | | | | | | | | | | | | | |
| All Races | 1992-99 | 4.1* | 1999-09 | 7.0* | | | | | | | | | 7.0* | 7.0* |
| White | 1992-98 | 4.4* | 1998-09 | 7.0* | | | | | | | | | 7.0* | 7.0* |
| Black | 1992-09 | 6.5* | | | | | | | | | | | 6.5* | 6.5* |
| SEER 9 Observed I | ncidence ^a , 1 | L975-2009 | 9 | | | | | | | | | | | |
| All Races | 1975-77 | 6.7 | | -5.9 | 1980-97 | 2.6* | 1997-09 | 7.0* | | | | | 7.0* | 7.0* |
| White | 1975-81 | -1.1 | 1981-93 | 2.4* | 1993-99 | 5.1* | 1999-09 | 7.3* | | | | | 7.3* | 7.3* |
| Black | 1975-89 | -1.2 | 1989-09 | 5.5* | | | | | | | | | 5.5* | 5.5* |
| SEER 13 Observed 1 | Incidence ^b | 1992-200 | 19 | | | | | | | | | | | |
| All Races | 1992-99 | 4.1* | 1999-09 | 6.9* | | | | | | | | | 6.9* | 6.9* |
| White | 1992-98 | 4.4* | 1998-09 | 6.9* | | | | | | | | | 6.9* | 6.9* |
| White NH ^{ef} | 1992-98 | 5.3* | 1998-09 | 7.0* | | | | | | | | | 7.0* | 7.0* |
| Black | 1992-09 | 6.3* | 1000 00 | 7.0 | | | | | | | | | 6.3* | 6.3* |
| Black NH ^{ef} | 1992-09 | 6.4* | | | | | | | | | | | 6.4* | 6.4* |
| API ^e | 1992-00 | 0.9 | 2000-09 | 6.1* | | | | | | | | | 6.1* | 6.1* |
| AI/AN ^{eg} | 1992-09 | 2.8* | | | | | | | | | | | 2.8* | 2.8* |
| Hispanic ^f | 1992-98 | 0.8 | 1998-09 | 6.1* | | | | | | | | | 6.1* | 6.1* |
| U.S. Cancer Morta | 1;+.,° 1075. | 2009 | | | | | | | | | | | | |
| All Races | 1975-88 | -2.6* | 1988-09 | 0.4* | | | | | | | | | 0.4* | 0.4* |
| White | 1975-88 | -2.8* | 1988-09 | 0.4* | | | | | | | | | 0.4* | 0.4* |
| Black | 1975-09 | -0.2 | 1900 09 | 0.1 | | | | | | | | | -0.2 | -0.2 |
| | | | | | | | | | | | | | 0.2 | 0.2 |
| U.S. Cancer Morta | | | 1004 00 | | | | | | | | | | | |
| All Races | 1992-94 | -6.4 | 1994-09 | 0.8* | | | | | | | | | 0.8* | 0.8* |
| White | 1992-95 | -3.4 | 1995-09 | 0.8* | | | | | | | | | 0.8* | 0.8* |
| White NH ^{ef} | 1992-94 | -5.6 | 1994-09 | 0.9* | | | | | | | | | 0.9* | 0.9* |
| Black | 1992-09 | 1.2* | | | | | | | | | | | 1.2* | 1.2* |
| Black NH ^{ef} | 1992-09 | 1.6* | | | | | | | | | | | 1.6* | 1.6* |
| API ^e | 1992-09 | -0.7 | | | | | | | | | | | -0.7 | -0.7 |
| AI/AN ^{eg} | 1992-09 | -0.8 | | | | | | | | | | | -0.8 | -0.8 |
| Hispanic ^f | 1992-09 | -1.4* | | | | | | | | | | | -1.4* | -1.4* |

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

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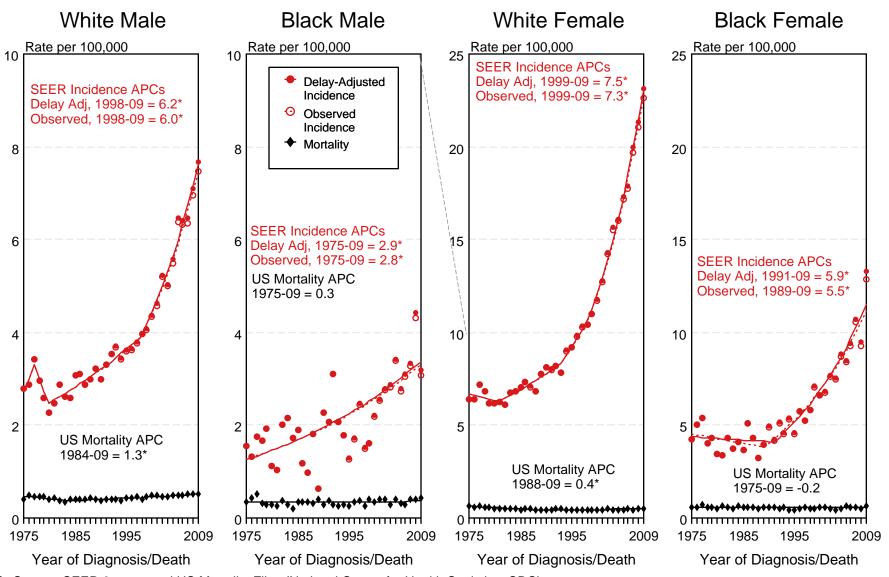
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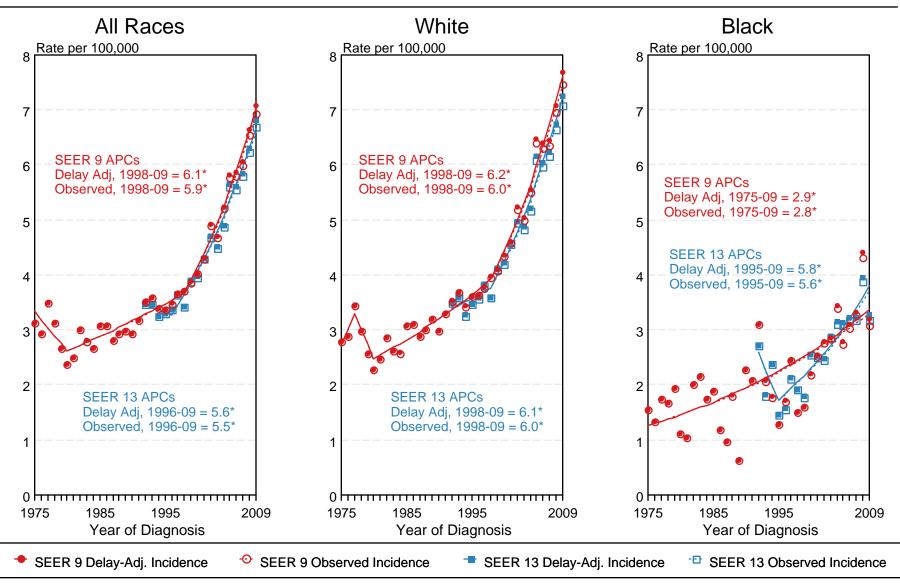
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SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates^a Cancer of the Thyroid, by Race and Sex



 ^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 and SEER Delay Adjusted Incidence Rates^a SEER 9 Areas Compared to SEER 13 Areas Cancer of the Thyroid, Male, by Race



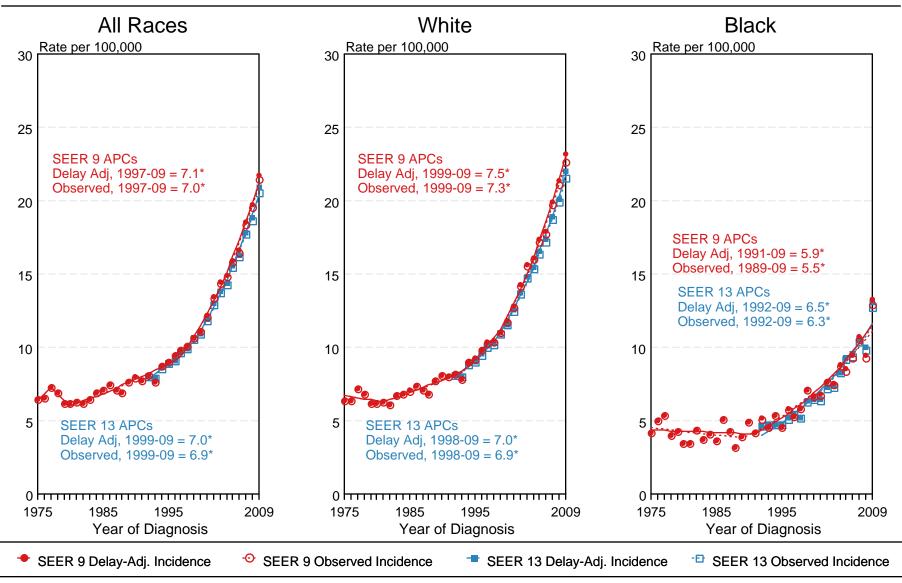
National Cancer Institute

^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 Cancer of the Thyroid, Female, by Race



^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).

Table 27.1

Cancer of the Urinary Bladder (Invasive and In Situ)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints,

Both Sexes by Race/Ethnicity

| | JP Trend 1 | | JP Tre | | JP Tre | | JP Trend 4 | | JP Trend 5 | | JP Trend 6 | | AAP | - |
|-----------------------------|--------------------------|-----------------------------|---------|-------|---------|-------|------------|-------|------------|------|------------|-----|---------|---------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| <u>SEER 9 Delay-Adjus</u> t | ted Incider | <u>nce^a, 197</u> | 5-2009 | | | | | | | | | | | |
| All Races | 1975-86 | 0.7* | 1986-07 | 0.2* | 2007-09 | -1.7 | | | | | | | -0.2 | -0.8 |
| White | 1975-87 | 1.0* | 1987-96 | 0.0 | 1996-00 | 1.5 | 2000-09 | -0.4* | | | | | -0.4* | -0.4* |
| Black | 1975-09 | 0.3* | | | | | | | | | | | 0.3* | 0.3* |
| <u>SEER 13 Delay-Adju</u> | sted Incide | ence ^b , 19 | 92-2009 | | | | | | | | | | | |
| All Races | 1992-07 | 0.1 | 2007-09 | -2.3 | | | | | | | | | -0.4 | -1.1 |
| White | 1992-07 | 0.2* | 2007-09 | -2.9 | | | | | | | | | -0.5 | -1.4 |
| Black | 1992-09 | 0.4 | | | | | | | | | | | 0.4 | 0.4 |
| SEER 9 Observed Inc | cidence ^a , 1 | 975-2009 | - | | | | | | | | | | | |
| All Races | 1975-86 | 0.7* | 1986-07 | 0.1* | 2007-09 | -2.7 | | | | | | | -0.5 | -1.3 |
| White | 1975-87 | 1.0* | 1987-96 | -0.1 | 1996-99 | 1.6 | 1999-07 | -0.1 | 2007-09 | -2.9 | | | -0.7 | -1.5 |
| Black | 1975-09 | 0.2 | | | | | | | | | | | 0.2 | 0.2 |
| SEER 13 Observed In | ncidence ^b , | 1992-200 | 19 | | | | | | | | | | | |
| All Races | 1992-07 | 0.1 | 2007-09 | -3.1 | | | | | | | | | -0.6 | -1.5 |
| White | 1992-07 | 0.2 | 2007-09 | -3.7 | | | | | | | | | -0.7 | -1.8 |
| White NH ^{ef} | 1992-07 | 0.4* | 2007-09 | -3.2 | | | | | | | | | -0.4 | -1.4 |
| Black | 1992-09 | 0.3 | | | | | | | | | | | 0.3 | 0.3 |
| Black NH ^{ef} | 1992-09 | 0.4 | | | | | | | | | | | 0.4 | 0.4 |
| API ^e | 1992-09 | 0.3 | | | | | | | | | | | 0.3 | 0.3 |
| AI/AN ^{eg} | 1992-09 | 2.8 | | | | | | | | | | | 2.8 | 2.8 |
| Hispanic ^f | 1992-09 | -0.5 | | | | | | | | | | | -0.5 | -0.5 |
| U.S. Cancer Mortal: | ity ^c , 1975- | 2009 | | | | | | | | | | | | |
| All Races | 1975-77 | 0.1 | 1977-87 | -2.2* | 1987-09 | -0.1* | | | | | | | -0.1* | -0.1* |
| White | 1975-77 | 0.2 | 1977-87 | -2.2* | 1987-09 | 0.0 | | | | | | | 0.0 | 0.0 |
| Black | 1975-09 | -1.1* | | | | | | | | | | | -1.1* | -1.1* |
| U.S. Cancer Mortal: | ity ^c , 1992- | 2009 | | | | | | | | | | | | |
| All Races | 1992-09 | -0.1* | | | | | | | | | | | -0.1* | -0.1* |
| White | 1992-09 | 0.1 | | | | | | | | | | | 0.1 | 0.1 |
| White NH ^{ef} | 1992-97 | -0.3 | 1997-09 | 0.4* | | | | | | | | | 0.4* | 0.4* |
| Black | 1992-09 | -1.0* | | | | | | | | | | | -1.0* | -1.0* |
| Black NH ^{ef} | 1992-09 | -0.7* | | | | | | | | | | | -0.7* | -0.7* |
| API ^e | 1992-09 | -1.1* | | | | | | | | | | | -1.1* | -1.1* |
| AI/AN ^{eg} | 1992-09 | 2.8* | | | | | | | | | | | 2.8* | 2.8* |
| Hispanic ^f | 1992-09 | -0.7* | | | | | | | | | | | -0.7* | -0.7* |
| | | | | | | | | | | | | | | |

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, SC, 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.

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Table 27.2

Cancer of the Urinary Bladder (Invasive and In Situ)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints,

Males by Race/Ethnicity

| | JP Trend 1 | | JP Tre | end 2 | JP Tre | end 3 | JP Tre | end 4 | JP Tre | nd 5 | JP Tr | end 6 | AAF | PC ^d |
|---------------------------|---------------------------|------------------------|-----------|-------|---------|-------|---------|-------|---------|------|-------|-------|---------|-----------------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| SEER 9 Delay-Adjus | sted Incider | nce ^a , 197 | 75-2009 | | | | | | | | | | | |
| All Races | 1975-87 | 1.0* | 1987-96 | -0.5 | 1996-99 | 1.8 | 1999-09 | -0.2 | | | | | -0.2 | -0.2 |
| White | 1975-87 | 1.2* | 1987-95 | -0.5 | 1995-99 | 1.5 | 1999-09 | -0.2 | | | | | -0.2 | -0.2 |
| Black | 1975-09 | 0.4* | | | | | | | | | | | 0.4* | 0.4* |
| <u>SEER 13 Delay-Adju</u> | sted Incide | ence ^b , 19 | 92-2009 | | | | | | | | | | | |
| All Races | 1992-07 | 0.1 | 2007-09 | -2.5 | | | | | | | | | -0.5 | -1.2 |
| White | 1992-07 | 0.2 | 2007-09 | -3.3 | | | | | | | | | -0.6 | -1.5 |
| Black | 1992-09 | 0.7* | | | | | | | | | | | 0.7* | 0.7* |
| <u>SEER 9 Observed Ir</u> | ncidence ^a , 1 | 975-2009 |) | | | | | | | | | | | |
| All Races | 1975-86 | 0.9* | 1986-07 | 0.1 | 2007-09 | -2.4 | | | | | | | -0.5 | -1.2 |
| White | 1975-87 | 1.2* | 1987-94 | -0.4 | 1994-07 | 0.3* | 2007-09 | -3.8 | | | | | -0.6 | -1.7 |
| Black | 1975-09 | 0.3 | | | | | | | | | | | 0.3 | 0.3 |
| SEER 13 Observed 1 | Incidence ^b , | 1992-200 | <u>)9</u> | | | | | | | | | | | |
| All Races | 1992-07 | 0.1 | 2007-09 | -3.3 | | | | | | | | | -0.7 | -1.6 |
| White | 1992-07 | 0.1 | 2007-09 | -4.1 | | | | | | | | | -0.8 | -2.0 |
| White NH ^{ef} | 1992-07 | 0.3* | 2007-09 | -3.5 | | | | | | | | | -0.5 | -1.6 |
| Black | 1992-09 | 0.5 | | | | | | | | | | | 0.5 | 0.5 |
| Black NH ^{ef} | 1992-09 | 0.6 | | | | | | | | | | | 0.6 | 0.6 |
| API ^e | 1992-09 | 0.7* | | | | | | | | | | | 0.7* | 0.7* |
| AI/AN ^{eg} | 1992-09 | 2.6 | | | | | | | | | | | 2.6 | 2.6 |
| Hispanic ^f | 1992-09 | -0.6 | | | | | | | | | | | -0.6 | -0.6 |
| U.S. Cancer Mortal | ity ^c , 1975- | 2009 | | | | | | | | | | | | |
| All Races | 1975-83 | -1.4* | 1983-87 | -2.8* | 1987-93 | 0.2 | 1993-97 | -1.1 | 1997-09 | 0.0 | | | 0.0 | 0.0 |
| White | 1975-82 | -1.4* | 1982-87 | -2.3* | 1987-02 | -0.2* | 2002-09 | 0.3 | | | | | 0.1 | 0.3 |
| Black | 1975-09 | -1.0* | | | | | | | | | | | -1.0* | -1.0* |
| U.S. Cancer Mortal | ity ^c , 1992- | 2009 | | | | | | | | | | | | |
| All Races | 1992-00 | -0.6* | 2000-09 | 0.1 | | | | | | | | | 0.1 | 0.1 |
| White | 1992-00 | -0.5* | 2000-09 | 0.2 | | | | | | | | | 0.2 | 0.2 |
| White NH ^{ef} | 1992-99 | -0.5 | 1999-09 | 0.5* | | | | | | | | | 0.5* | 0.5* |
| Black | 1992-09 | -0.9* | | | | | | | | | | | -0.9* | -0.9* |
| Black NH ^{ef} | 1992-09 | -0.5 | | | | | | | | | | | -0.5 | -0.5 |
| API ^e | 1992-09 | -0.3 | | | | | | | | | | | -0.3 | -0.3 |
| AI/AN ^{eg} | 1992-09 | 4.8* | | | | | | | | | | | 4.8* | 4.8* |
| Hispanic ^f | 1992-09 | -1.0* | | | | | | | | | | | -1.0* | -1.0* |
| | | | | | | | | | | | | | | |

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

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Table 27.3 Cancer of the Urinary Bladder (Invasive and In Situ)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2009 With up to Five Joinpoints, 1992-2009 With up to Three Joinpoints, Females by Race/Ethnicity

| | JP Tre | nd 1 | JP Trend 2 | | JP Tre | end 3 | JP Trend 4 | | JP Trend 5 | | JP Tre | end 6 | AAP | Cd |
|---------------------------|---------------------------|-------------|--------------------|----------------|--------|-------|------------|-----|------------|-----|--------|-------|----------------|----------------|
| | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | Years | APC | 2000-09 | 2005-09 |
| SEER 9 Delay-Adjus | ated Incider | 195 195 | 75-2009 | | | | | | | | | | | |
| All Races | 1975-03 | 0.2* | 2003-09 | -1.4* | | | | | | | | | -0.9* | -1.4* |
| White | 1975-03 | 0.4* | 2003-09 | -1.7* | | | | | | | | | -1.0* | -1.7* |
| Black | 1975-09 | 0.3 | | | | | | | | | | | 0.3 | 0.3 |
| | | | | | | | | | | | | | | |
| SEER 13 Delay-Adju | | , | | 1 24 | | | | | | | | | 0.0* | 1 7 4 |
| All Races White | 1992-04 | -0.1 0.0 | 2004-09 2003-09 | -1.3* -1.2* | | | | | | | | | -0.8* -0.8* | -1.3* -1.2* |
| Black | 1992-03 1992-09 | 0.0 | 2003-09 | -1.2^ | | | | | | | | | -0.8^ 0.1 | |
| BIACK | 1992-09 | 0.1 | | | | | | | | | | | 0.1 | 0.1 |
| <u>SEER 9 Observed Ir</u> | ncidence ^a , 1 | 975-2009 | 2 | | | | | | | | | | | |
| All Races | 1975-03 | 0.2* | 2003-09 | -1.7* | | | | | | | | | -1.1* | -1.7* |
| White | 1975-03 | 0.4* | 2003-09 | -2.0* | | | | | | | | | -1.2* | -2.0* |
| Black | 1975-09 | 0.2 | | | | | | | | | | | 0.2 | 0.2 |
| SEER 13 Observed 1 | Incidence ^b , | 1992-200 |)9 | | | | | | | | | | | |
| All Races | 1992-04 | -0.2 | 2004-09 | -1.7* | | | | | | | | | -1.0* | -1.7* |
| White | 1992-04 | -0.1 | 2004-09 | -1.8* | | | | | | | | | -1.0* | -1.8* |
| White NH ^{ef} | 1992-03 | 0.2 | 2003-09 | -1.4* | | | | | | | | | -0.8* | -1.4* |
| Black | 1992-09 | 0.0 | | | | | | | | | | | 0.0 | 0.0 |
| Black NH ^{ef} | 1992-06 | 1.0 | 2006-09 | -8.5 | | | | | | | | | -2.3 | -6.2 |
| API ^e | 1992-09 | -0.1 | | | | | | | | | | | -0.1 | -0.1 |
| AI/AN ^{eg} | 1992-09 | 4.7 | | | | | | | | | | | 4.7 | 4.7 |
| Hispanic ^f | 1992-09 | -0.6 | | | | | | | | | | | -0.6 | -0.6 |
| U.S. Cancer Mortal | lity ^c , 1975- | 2009 | | | | | | | | | | | | |
| All Races | 1975-86 | -1.6* | 1986-09 | -0.4* | | | | | | | | | -0.4* | -0.4* |
| White | 1975-86 | -1.7* | 1986-09 | -0.3* | | | | | | | | | -0.3* | -0.3* |
| Black | 1975-09 | -0.9* | | | | | | | | | | | -0.9* | -0.9* |
| U.S. Cancer Mortal | lity ^c , 1992- | 2009 | | | | | | | | | | | | |
| All Races | 1992-09 | -0.6* | | | | | | | | | | | -0.6* | -0.6* |
| White | 1992-09 | -0.4* | | | | | | | | | | | -0.4* | -0.4* |
| White NH ^{ef} | 1992-09 | -0.2 | | | | | | | | | | | -0.2 | -0.2 |
| Black | 1992-09 | -1.2* | | | | | | | | | | | -1.2* | -1.2* |
| Black NH ^{ef} | 1992-09 | -0.9* | | | | | | | | | | | -0.9* | -0.9* |
| API ^e | 1992-09 | -1.9* | | | | | | | | | | | -1.9* | -1.9* |
| AI/AN ^{eg} | 1992-09 | -1.0 | | | | | | | | | | | -1.0 | -1.0 |
| Hispanic ^f | 1992-09 | -0.6 | | | | | | | | | | | -0.6 | -0.6 |

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

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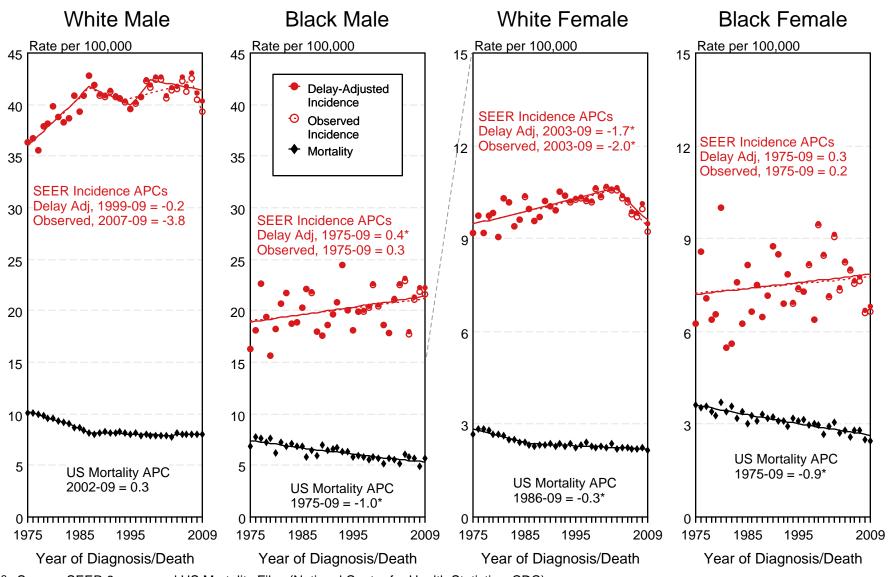
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SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates^a Cancer of the Urinary Bladder, by Race and Sex

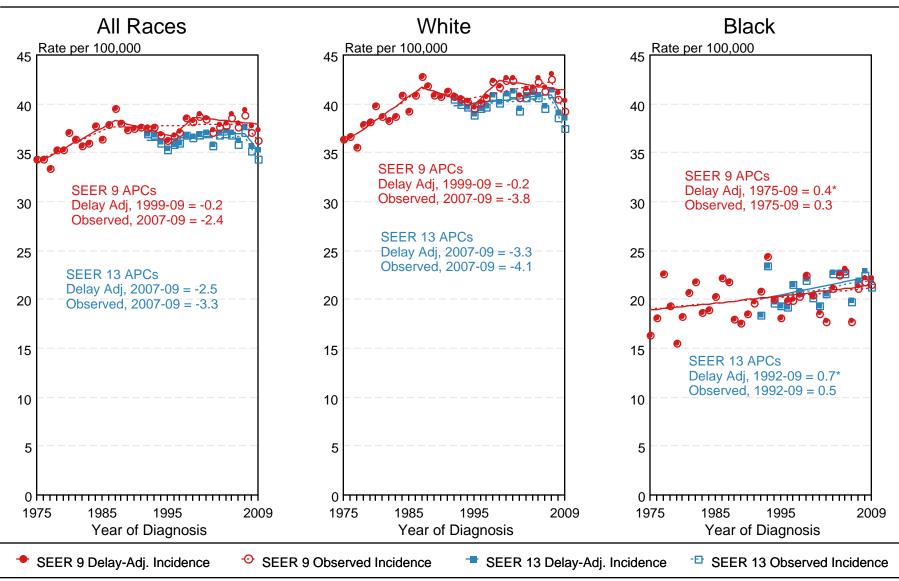


 ^a Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC). Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.5, April 2011, National Cancer 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).

Figure 27.1

SEER Observed Incidence and SEER Delay Adjusted Incidence Rates^a SEER 9 Areas Compared to SEER 13 Areas Cancer of the Urinary Bladder, Male, by Race

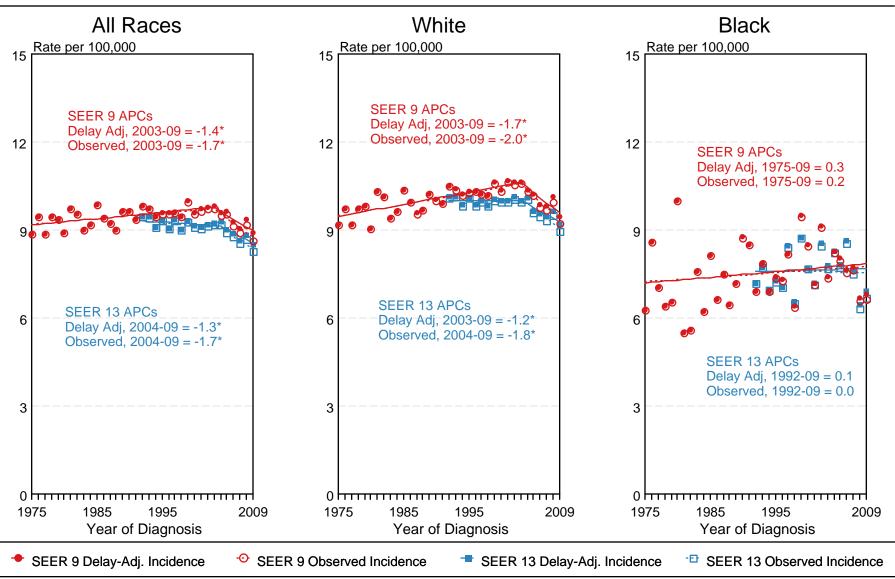


^a Source: SEER 9 areas and SEER 13 areas.

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.

SEER Observed Incidence and SEER Delay Adjusted Incidence Rates^a SEER 9 Areas Compared to SEER 13 Areas Cancer of the Urinary Bladder, Female, by Race

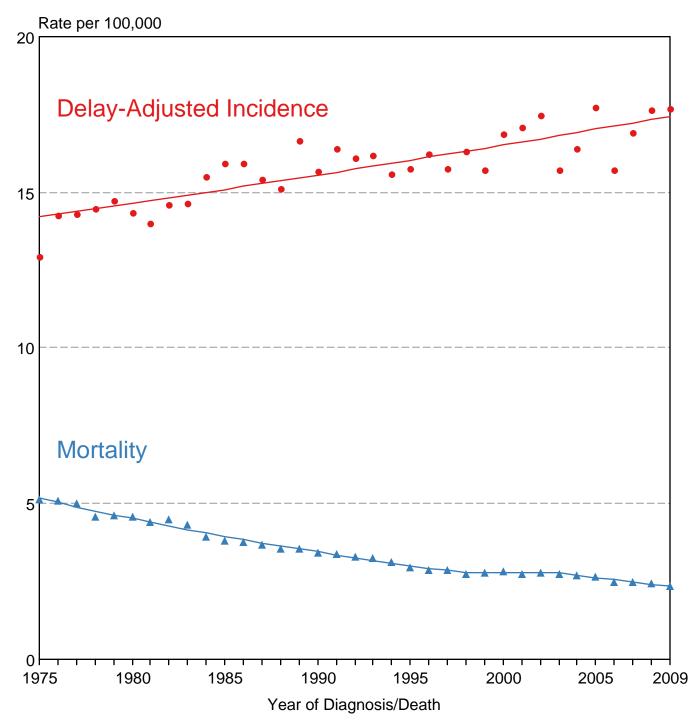


Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

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.

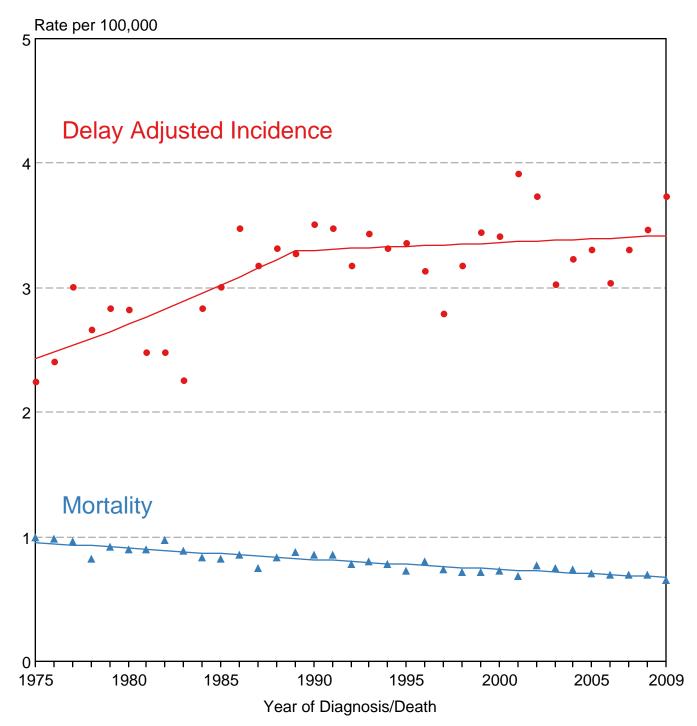
Figure 28.1

SEER Delay-Adjusted Incidence and US Mortality All Childhood Cancers, Under 20 Years of Age Both Sexes, All Races, 1975-2009



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 are calculated using the Joinpoint Regression Program Version 3.5, April 2011, National Cancer Institute.

SEER Delay-Adjusted Incidence and US Mortality Brain and CNS, Under 15 Years of Age Both Sexes, All Races, 1975-2009



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 are calculated using the Joinpoint Regression Program Version 3.5, April 2011, National Cancer Institute.