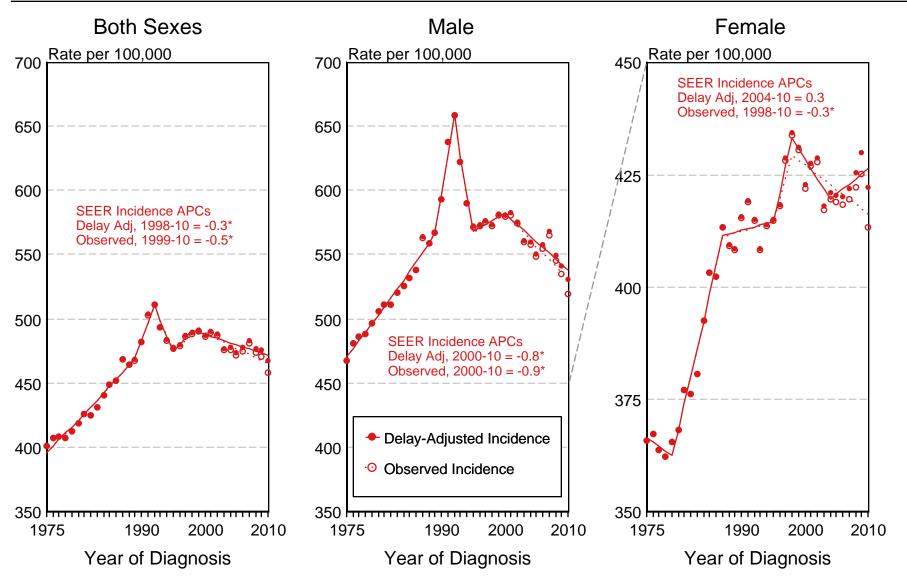
#### Figure 1.21

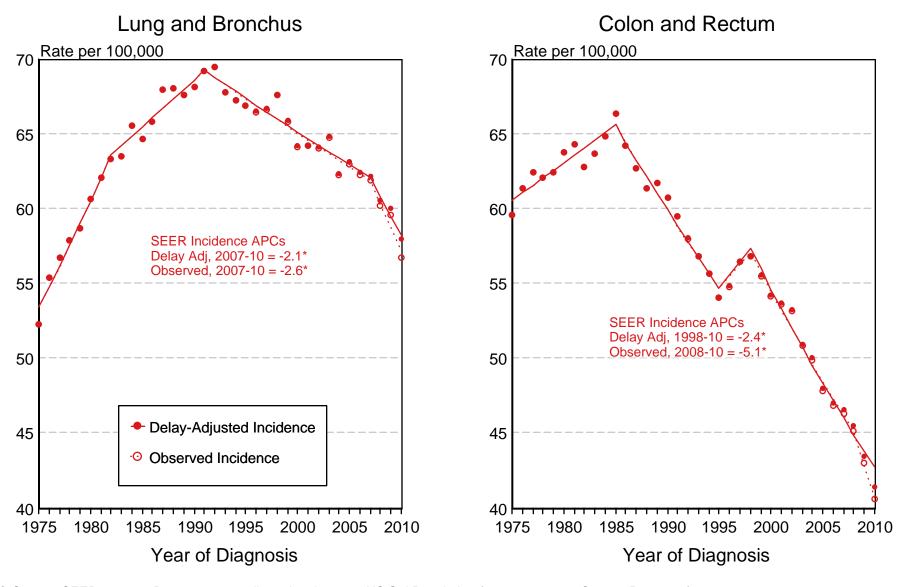
## SEER Observed Incidence and Delay Adjusted Incidence Rates<sup>a</sup> All Cancer Sites, By Sex



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 4.0.3, April 2013, 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.

<sup>\*</sup> The APC is significantly different from zero (p < 0.05).

## SEER Observed Incidence and Delay Adjusted Incidence Rates <sup>a</sup> Both Sexes

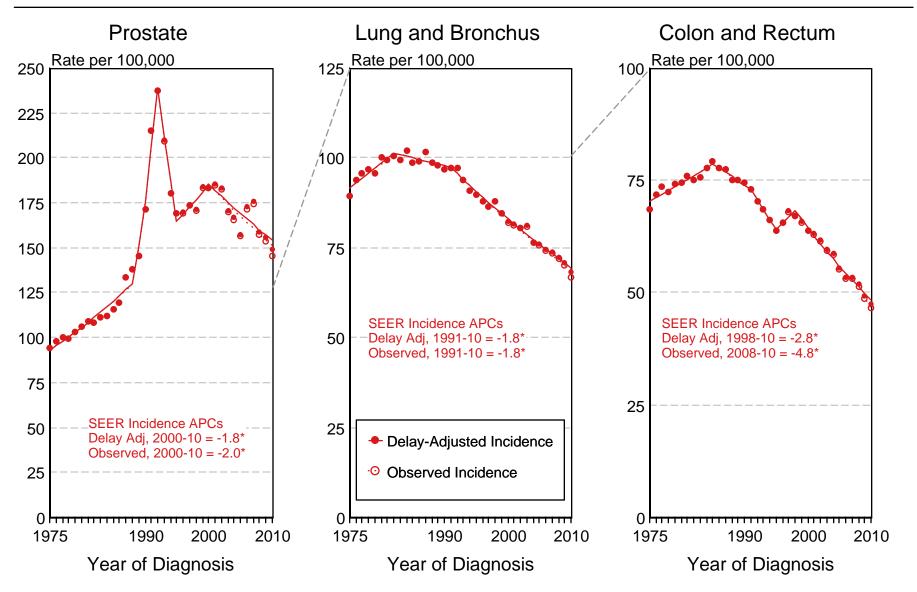


Source: SEER 9 areas. Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
 Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.0.3, April 2013, National Cancer Institute.
 The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.

<sup>\*</sup> The APC is significantly different from zero (p < 0.05).

#### Figure 1.23

## SEER Observed Incidence and Delay Adjusted Incidence Rates<sup>a</sup> Males

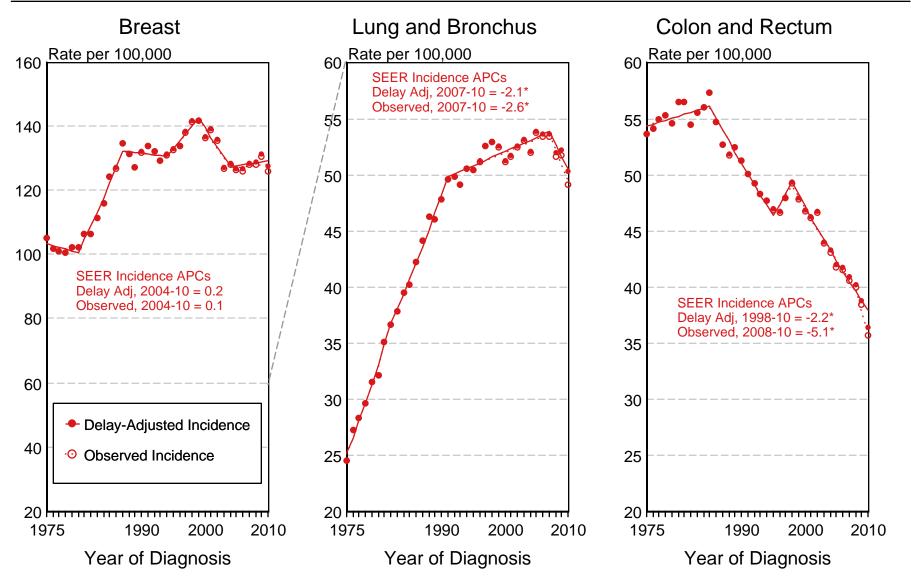


Source: SEER 9 areas. Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
 Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.0.3, April 2013, National Cancer Institute.
 The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.

<sup>\*</sup> The APC is significantly different from zero (p < 0.05).

Figure 1.24

## SEER Observed Incidence and Delay Adjusted Incidence Rates<sup>a</sup> Females



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 4.0.3, April 2013, 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.

<sup>\*</sup> The APC is significantly different from zero (p < 0.05).

#### Table 2.1 All Cancer Sites (Invasive)

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints, Both Sexes by Race/Ethnicity

Years         APC         Years         APC <th< th=""></th<>
All Races 1975-89 1.2* 1989-92 2.9* 1992-95 -2.5 1995-98 1.2 1998-10 -0.3* -0.3* -0.3* White 1975-82 0.8* 1982-92 1.8* 1992-95 -2.2 1995-98 1.5 1998-10 -0.3* -0.3* -0.3* -0.3* Black 1975-84 1.6* 1984-89 0.4 1989-92 4.7* 1992-95 -1.6 1995-10 -0.5* -0.5* -0.5* -0.5* SEER 13 Delay-Adjusted Incidence <sup>b</sup> , 1992-2010 All Races 1992-94 -3.2* 1994-98 0.4 1998-10 -0.4* -0.4* -0.4* -0.4* Black 1992-10 -0.6* -0.6*
White 1975-82 0.8* 1982-92 1.8* 1992-95 -2.2 1995-98 1.5 1998-10 -0.3* -0.3* -0.3* Black 1975-84 1.6* 1984-89 0.4 1989-92 4.7* 1992-95 -1.6 1995-10 -0.5* -0.5* -0.5* -0.5* -0.5* SEER 13 Delay-Adjusted Incidence <sup>b</sup> , 1992-2010 All Races 1992-94 -3.2* 1994-98 0.4 1998-10 -0.4* -0.4* -0.4* White 1992-94 -3.2* 1994-99 0.5 1999-10 -0.4* -0.4* -0.4* Black 1992-10 -0.6*
Black 1975-84 1.6* 1984-89 0.4 1989-92 4.7* 1992-95 -1.6 1995-10 -0.5* -0.5* -0.5* <u>SEER 13 Delay-Adjusted Incidence<sup>b</sup>, 1992-2010</u> All Races 1992-94 -3.2* 1994-98 0.4 1998-10 -0.4*  White 1992-94 -3.2* 1994-99 0.5 1999-10 -0.4*  Black 1992-10 -0.6*
<u>SEER 13 Delay-Adjusted Incidence<sup>b</sup>, 1992-2010</u> All Races 1992-94 -3.2* 1994-98 0.4 1998-10 -0.4*  White 1992-94 -3.2* 1994-99 0.5 1999-10 -0.4*  Black 1992-10 -0.6*
All Races 1992-94 -3.2* 1994-98 0.4 1998-10 -0.4* -0.4* White 1992-94 -3.2* 1994-99 0.5 1999-10 -0.4* -0.4* -0.4* Black 1992-10 -0.6*
White 1992-94 -3.2* 1994-99 0.5 1999-10 -0.4* -0.4* -0.4* Black 1992-10 -0.6* -0.6*
Black 1992-10 -0.6* -0.6*
SEED 0 Observed Ingidence <sup>a</sup> 1975-2010
DEEK > ONDELIACY INCINCINCE ' TYLY FAIR
All Races 1975-89 1.2* 1989-92 2.8 1992-95 -2.3 1995-99 0.8 1999-10 -0.5* -0.5* -0.5*
White $1975-82$ 0.9* $1982-92$ 1.8* $1992-95$ $-2.1$ $1995-99$ 1.1 $1999-10$ $-0.5$ * $-0.5$ * $-0.5$ *
Black 1975-84 1.6* 1984-89 0.4 1989-92 4.7* 1992-95 -1.7 1995-08 -0.5* 2008-10 -2.5 -1.0* -1.5*
SEER 13 Observed Incidence <sup>b</sup> , 1992-2010
All Races 1992-94 -3.1 1994-99 0.3 1999-10 -0.6* -0.6* -0.6*
White $1992-94$ $-3.3$ $1994-99$ $0.6$ $1999-10$ $-0.5*$ $-0.5*$
White NH $^{ ext{ef}}$ 1992-94 -3.2 1994-99 0.7 1999-10 -0.4* -0.4* -0.4*
Black 1992-10 -0.7* -0.7* -0.7*
Black NH <sup>ef</sup> 1992-10 -0.7* -0.7*
API <sup>e</sup> 1992-10 -0.5* -0.5*
$AI/AN^{eg}$ 1992-10 0.2 0.2
Hispanic <sup>f</sup> 1992-08 -0.1 2008-10 -2.8 -0.7 -1.5
U.S. Cancer Mortality <sup>c</sup> , 1975-2010
All Races 1975-84 0.5* 1984-91 0.3* 1991-94 -0.5 1994-98 -1.3* 1998-01 -0.8 2001-10 -1.5* -1.5* -1.5*
White $1975-90$ 0.4* $1990-94$ $-0.3$ $1994-98$ $-1.2$ * $1998-01$ $-0.6$ $2001-10$ $-1.4$ * $-1.4$ * $-1.4$ * $-1.4$ *
Black 1975-83 1.3* 1983-91 0.7* 1991-95 -0.8* 1995-02 -1.7* 2002-10 -2.2* -2.1* -2.2*
U.S. Cancer Mortality <sup>c</sup> , 1992-2010
All Races 1992-01 -1.0* 2001-10 -1.5* -1.5*
White $1992-94$ $-0.3$ $1994-98$ $-1.2*$ $1998-01$ $-0.6$ $2001-10$ $-1.4*$ $-1.4*$ $-1.4*$
White NH $^{ m ef}$ 1992-94 -0.1 1994-97 -1.3* 1997-01 -0.6* 2001-10 -1.3* -1.3* -1.3*
Black 1992-99 -1.3* 1999-10 -2.1* -2.1*
Black NH <sup>ef</sup> 1992-01 -1.3* 2001-10 -2.1* -2.1*
API $^{e}$ 1992-10 -1.4* -1.4*
$AI/AN^{eg}$ 1992-10 0.0 0.0
Hispanic <sup>f</sup> 1992-01 -0.4* 2001-10 -1.5* -1.5*

Joinpoint Regression Program Version 4.0.3, April 2013, National Cancer Institute. (<a href="http://surveillance.cancer.gov/joinpoint/">http://surveillance.cancer.gov/joinpoint/</a>). 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.

e 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.

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

<sup>-</sup> Joinpoint regression line analysis could not be performed on data series.

#### Table 2.2 All Cancer Sites (Invasive)

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints, Males by Race/Ethnicity

SEER   9   19   19   19   19   19   19   19		JP Tren		JP Tre		JP Tre		JP Tre		JP Tr		JP Tr		AAI	
All Races					APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
Name	SEER 9 Delay-Adju	sted Inciden	.ce <sup>a</sup> , 197	75-2010											
Black   1975-94   2.8	All Races	1975-89	1.3*	1989-92	5.2*	1992-95	-4.9*	1995-00	0.5		-0.8*			-0.8*	-0.8*
All Races   1992-94   -5.6*   1994-10   -0.6*   -0.6	White	1975-89	1.4*	1989-92	5.1*	1992-95	-5.2*	1995-00	0.8	2000-10	-0.7*			-0.7*	-0.7*
All Races   1992-94   -5.6*   1994-07   -0.6*   2007-10   -1.8*   -0.6*   -0.6*   -0.6*   -0.8*   -1.4*   -1	Black	1975-81	2.8*	1981-89	0.6	1989-92	7.4*	1992-96	-2.5*	1996-10	-1.1*			-1.1*	-1.1*
Marke   1992-94   -6.3*   1994-07   -0.3*   2007-10   -1.8*   -1.4*	SEER 13 Delay-Ad	justed Incide	nce <sup>b</sup> , 19	992-2010											
See		1992-94	-5.6*	1994-10	-0.6*									-0.6*	-0.6*
All Races   1975-89   1.3*   1989-92   5.2*   1992-95   -4.9*   1995-00   0.5   2000-10   -0.9*   -0	White	1992-94	-6.3*	1994-07	-0.3*	2007-10	-1.8							-0.8*	-1.4*
All Races 1975-89 1.4* 1989-92 5.2* 1992-95 -4.9* 1995-90 0.5 2000-10 -0.9* -0.9* -0.9* -0.9* Black 1975-89 1.4* 1989-92 5.0* 1992-95 -5.2* 1995-99 0.9 1999-07 -0.5* 2007-10 -2.2* -1.1* -1.8* Black 1975-81 2.8* 1981-89 0.7 1989-92 6.4* 1992-10 -1.5* -1	Black	1992-10	-1.4*											-1.4*	-1.4*
White 1975-89 1.4* 1989-92 5.0* 1992-95 -5.2* 1995-99 0.9 1999-07 -0.5* 2007-10 -2.2* -1.1* -1.8* Black 1975-81 2.8* 1981-89 0.7 1989-92 6.4 1992-10 -1.5* 2007-10 -2.5* 2007-10 -2.2* -1.1* -1.8* Black 1992-94 -5.8* 1994-07 -0.5* 2007-10 -2.2* -1.2* -1.1* -1.8* White 1992-94 -6.2* 1994-07 -0.4* 2007-10 -2.4* -1.0* -1.0* -1.9* White NHeff 1992-94 -6.3* 1994-07 -0.3* 2007-10 -2.3* -1.0* -1.5* Black 1992-10 -1.5* Black 1992-10 -1.5* Black 1992-10 -2.5* -1.1* -1.8* -1.5* -1.5* Black NHeff 1992-96 -2.7* 1996-00 0.4* 2007-07 -1.0* 2007-10 -3.0* -1.0* -1.0* -1.9* -1.5* Black 1992-10 -0.2* -1.0* -1.0* -1.9* -1.0* -1.0* -1.0* -1.0* -1.0* -1.5* Black 1992-10 -0.2* -1.0* -1.0* -1.0* -1.0* -1.0* -1.0* -1.5	SEER 9 Observed I		975-2010	<u>)</u>											
Series   1975-81   2.8*   1981-89   0.7   1989-92   6.4   1992-10   -1.5*   -1.5*   -1.5*   -1.5*	All Races	1975-89	1.3*	1989-92	5.2*	1992-95	-4.9*	1995-00	0.5	2000-10	-0.9*			-0.9*	-0.9*
All Races 1992-94 -5.8* 1994-07 -0.5* 2007-10 -2.2*	White	1975-89	1.4*	1989-92	5.0*	1992-95	-5.2*	1995-99	0.9	1999-07	-0.5*	2007-10	-2.2*	-1.1*	-1.8*
All Races 1992-94 -6.8* 1994-07 -0.5* 2007-10 -2.2* White 1992-94 -6.3* 1994-07 -0.4* 2007-10 -2.2* White NHef 1992-94 -6.3* 1994-07 -0.3* 2007-10 -2.3* Black 1992-10 -1.5* Black 1992-10 -1.5* Black NHef 1992-96 -2.7* 1996-00 0.4 2000-07 -1.0* 2007-10 -3.0*  All Races 1992-10 -0.2 Hispanicf 1992-07 -0.5* 2007-10 -2.5*  U.S. Cancer Mortality, 1975-2010 All Races 1975-79 0.9* 1979-91 0.2* 1991-94 -0.8 1994-97 -1.7* 1997-01 -1.2* 2001-10 -1.7* -1.7* Black 1975-79 0.9* 1982-90 1.0* 1990-93 -0.5 1993-01 -1.5* 2001-10 -1.8*  Wiste 1992-01 -1.4* 2001-10 -1.8* White 1992-01 -1.4* 2001-10 -1.8* Black 1992-00 -1.8* 2000-10 -2.5*  Black NHef 1992-00 -1.8* 2000-10 -2.5*  Black NHef 1992-00 -1.8* 2000-10 -2.5*  Black 1992-00 -1.8* 2000-10 -2.5*  Black 1992-00 -1.8* 2000-10 -2.5*  Black NHef 1992-00 -1.8* 2000-10 -2.5*  Black 1992-00 -1.6*	Black	1975-81	2.8*	1981-89	0.7	1989-92	6.4	1992-10	-1.5*					-1.5*	-1.5*
White NHefe	SEER 13 Observed	Incidenceb, 1	1992-201	L <u>O</u>											
White NHef 1992-94 -6.3* 1994-07 -0.3* 2007-10 -2.3* -0.9* -1.8* Black 1992-10 -1.5*	All Races	1992-94	-5.8*	1994-07	-0.5*	2007-10	-2.2*							-1.1*	-1.8*
Black 1992-10 -1.5* Black NHef 1992-10 -1.4* APTe 1992-96 -2.7* 1996-00 0.4 2000-07 -1.0* 2007-10 -3.0* -1.4* AI/ANeg 1992-10 -0.2 Hispanicf 1992-07 -0.5* 2007-10 -2.5* -1.2* -2.0*  U.S. Cancer Mortalityc, 1975-2010 All Races 1975-79 1.0* 1979-90 0.3* 1990-93 -0.5 1993-01 -1.5* 2001-10 -1.8* White 1975-82 1.8* 1982-90 1.0* 1991-94 -0.8 1994-97 -1.7* 1997-01 -1.2* 2001-10 -1.7* -1.7* Black 1992-01 -1.4* 2001-10 -1.8* White 1992-01 -1.3* 2001-10 -1.8* White 1992-02 -1.3* 2001-10 -1.8* White 1992-02 -1.3* 2001-10 -1.7* Black 1992-03 -1.3* 2001-10 -1.5* Black 1992-04 -1.8* 2002-10 -2.5* Black 1992-05 -1.8* 2002-10 -2.5* Black 1992-06 -1.2* 1996-10 -2.5* Black 1992-07 -1.8* 2000-10 -2.5* Black 1992-07 -1.8* 2000-10 -2.5* Black 1992-07 -1.8* 2000-10 -2.5* Black 1992-08 -1.2* 1996-10 -2.5* Black 1992-09 -1.6* AI/ANeg 1992-10 -0.1	White	1992-94	-6.2*	1994-07	-0.4*	2007-10	-2.4*							-1.0*	-1.9*
Black NHef 1992-10 -1.4*  APTe 1992-96 -2.7* 1996-00 0.4 2000-07 -1.0* 2007-10 -3.0*	White NH <sup>ef</sup>	1992-94	-6.3*	1994-07	-0.3*	2007-10	-2.3*							-0.9*	-1.8*
API° 1992-96 -2.7* 1996-00 0.4 2000-07 -1.0* 2007-10 -3.0*	Black	1992-10	-1.5*											-1.5*	-1.5*
AI/AN°S 1992-10 -0.2 Hispanic 1992-07 -0.5* 2007-10 -2.5*  U.S. Cancer Mortality 7, 1975-2010  All Races 1975-79 1.0* 1979-90 0.3* 1990-93 -0.5 1993-01 -1.5* 2001-10 -1.8* White 1975-79 0.9* 1979-91 0.2* 1991-94 -0.8 1994-97 -1.7* 1997-01 -1.2* 2001-10 -1.7* -1.7* -1.7* Black 1975-82 1.8* 1982-90 1.0* 1990-93 -0.3 1993-00 -2.0* 2000-10 -2.6*  U.S. Cancer Mortality 7, 1992-2010  All Races 1992-01 -1.4* 2001-10 -1.8* White 1992-01 -1.3* 2001-10 -1.7* White NH°S 1992-02 -1.3* 2002-10 -1.6* Black 1992-96 -1.2* 1996-10 -2.5* Black NH°S 1992-00 -1.8* 2000-10 -2.5* API 9192-10 -1.6* 1992-10 -1.6* AI/AN°S 1992-10 -0.1	Black NH <sup>ef</sup>	1992-10	-1.4*											-1.4*	-1.4*
Hispanic <sup>f</sup> 1992-07 -0.5* 2007-10 -2.5*  U.S. Cancer Mortality <sup>c</sup> , 1975-2010  All Races 1975-79 1.0* 1979-90 0.3* 1990-93 -0.5 1993-01 -1.5* 2001-10 -1.8*  White 1975-79 0.9* 1979-91 0.2* 1991-94 -0.8 1994-97 -1.7* 1997-01 -1.2* 2001-10 -1.7* -1.7* -1.7*  Black 1975-82 1.8* 1982-90 1.0* 1990-93 -0.3 1993-00 -2.0* 2000-10 -2.6*  U.S. Cancer Mortality <sup>c</sup> , 1992-2010  All Races 1992-01 -1.4* 2001-10 -1.8*  White 1992-01 -1.3* 2001-10 -1.7*  White NH <sup>ef</sup> 1992-02 -1.3* 2002-10 -1.6*  Black 1992-96 -1.2* 1996-10 -2.5*  Black NH <sup>ef</sup> 1992-00 -1.8* 2000-10 -2.5*  API <sup>c</sup> 1992-10 -1.6*  AI/AN <sup>eg</sup> 1992-10 -0.1	API <sup>e</sup>	1992-96	-2.7*	1996-00	0.4	2000-07	-1.0*	2007-10	-3.0*					-1.7*	-2.5*
U.S. Cancer Mortality <sup>c</sup> , 1975-2010 All Races 1975-79 1.0* 1979-90 0.3* 1990-93 -0.5 1993-01 -1.5* 2001-10 -1.8* -1.8* -1.8* White 1975-79 0.9* 1979-91 0.2* 1991-94 -0.8 1994-97 -1.7* 1997-01 -1.2* 2001-10 -1.7* -1.7* -1.7* Black 1975-82 1.8* 1982-90 1.0* 1990-93 -0.3 1993-00 -2.0* 2000-10 -2.6* -2.6* -2.6* -2.6* -2.6* U.S. Cancer Mortality <sup>c</sup> , 1992-2010 All Races 1992-01 -1.4* 2001-10 -1.8*	AI/AN <sup>eg</sup>	1992-10	-0.2											-0.2	-0.2
All Races 1975-79 1.0* 1979-90 0.3* 1990-93 -0.5 1993-01 -1.5* 2001-10 -1.8* -1.8* -1.8* White 1975-79 0.9* 1979-91 0.2* 1991-94 -0.8 1994-97 -1.7* 1997-01 -1.2* 2001-10 -1.7* -1.7* -1.7* Black 1975-82 1.8* 1982-90 1.0* 1990-93 -0.3 1993-00 -2.0* 2000-10 -2.6* -2.6* -2.6* -2.6* -2.6* U.S. Cancer Mortality <sup>c</sup> , 1992-2010 All Races 1992-01 -1.4* 2001-10 -1.8* -1.8* White 1992-01 -1.3* 2001-10 -1.7* -1.7* White NH <sup>ef</sup> 1992-02 -1.3* 2002-10 -1.6* -1.6* -1.6* Black 1992-96 -1.2* 1996-10 -2.5* -2.5* Black NH <sup>ef</sup> 1992-00 -1.8* 2000-10 -2.5* -2.5* API <sup>e</sup> 1992-10 -0.1 -1.6* -1.6* -1.6* -1.6* AI/AN <sup>eg</sup> 1992-10 -0.1	Hispanic <sup>f</sup>	1992-07	-0.5*	2007-10	-2.5*									-1.2*	-2.0*
White 1975-79 0.9* 1979-91 0.2* 1991-94 -0.8 1994-97 -1.7* 1997-01 -1.2* 2001-10 -1.7* -1.7* -1.7* Black 1975-82 1.8* 1982-90 1.0* 1990-93 -0.3 1993-00 -2.0* 2000-10 -2.6* -2	U.S. Cancer Morta	ality <sup>c</sup> , 1975-2	2010												
Black 1975-82 1.8* 1982-90 1.0* 1990-93 -0.3 1993-00 -2.0* 2000-10 -2.6* -2.6* -2.6*    \[ \begin{array}{c c c c c c c c c c c c c c c c c c c	All Races	1975-79	1.0*	1979-90	0.3*	1990-93	-0.5	1993-01	-1.5*	2001-10	-1.8*			-1.8*	-1.8*
U.S. Cancer Mortality <sup>c</sup> , 1992-2010  All Races 1992-01 -1.4* 2001-10 -1.8*  White 1992-01 -1.3* 2001-10 -1.7*  White NH <sup>ef</sup> 1992-02 -1.3* 2002-10 -1.6*  Black 1992-96 -1.2* 1996-10 -2.5*  Black NH <sup>ef</sup> 1992-00 -1.8* 2000-10 -2.5*  API <sup>e</sup> 1992-10 -1.6*  AI/AN <sup>eg</sup> 1992-10 -0.1  -0.1	White	1975-79	0.9*	1979-91	0.2*	1991-94	-0.8	1994-97	-1.7*	1997-01	-1.2*	2001-10	-1.7*	-1.7*	-1.7*
All Races 1992-01 -1.4* 2001-10 -1.8* -1.8* White 1992-01 -1.3* 2001-10 -1.7* -1.7* White NH <sup>ef</sup> 1992-02 -1.3* 2002-10 -1.6* -1.6* -1.6* Black 1992-96 -1.2* 1996-10 -2.5* -2.5* Black NH <sup>ef</sup> 1992-00 -1.8* 2000-10 -2.5* -2.5* API <sup>e</sup> 1992-10 -1.6* -1.6* -1.6* -1.6* AI/AN <sup>eg</sup> 1992-10 -0.1 -0.1	Black	1975-82	1.8*	1982-90	1.0*	1990-93	-0.3	1993-00	-2.0*	2000-10	-2.6*			-2.6*	-2.6*
White 1992-01 -1.3* 2001-10 -1.7* White NH <sup>ef</sup> 1992-02 -1.3* 2002-10 -1.6* Black 1992-96 -1.2* 1996-10 -2.5* Black NH <sup>ef</sup> 1992-00 -1.8* 2000-10 -2.5* API <sup>e</sup> 1992-10 -1.6* AI/AN <sup>eg</sup> 1992-10 -0.1 -0.1	U.S. Cancer Morta	ality <sup>c</sup> , 1992-2	2010												
White NH <sup>ef</sup> 1992-02 -1.3* 2002-10 -1.6* -1.6* Black 1992-96 -1.2* 1996-10 -2.5* -2.5* Black NH <sup>ef</sup> 1992-00 -1.8* 2000-10 -2.5* -2.5* API <sup>e</sup> 1992-10 -1.6* -1.6* -1.6* -1.6* AI/AN <sup>eg</sup> 1992-10 -0.1 -0.1	All Races	1992-01	-1.4*	2001-10	-1.8*									-1.8*	-1.8*
Black 1992-96 -1.2* 1996-10 -2.5* -2.5* Black NH <sup>ef</sup> 1992-00 -1.8* 2000-10 -2.5* -2.5* -2.5* API <sup>e</sup> 1992-10 -1.6* -1.6* -1.6* -1.6* AI/AN <sup>eg</sup> 1992-10 -0.1 -0.1	White	1992-01	-1.3*	2001-10	-1.7*									-1.7*	-1.7*
Black NH <sup>ef</sup> 1992-00 -1.8* 2000-10 -2.5* -2.5* API <sup>e</sup> 1992-10 -1.6* -1.6* -1.6* AI/AN <sup>eg</sup> 1992-10 -0.1 -0.1	White NH <sup>ef</sup>	1992-02	-1.3*	2002-10	-1.6*									-1.6*	-1.6*
$API^{e}$ 1992-10 -1.6* -1.6* $-1.6*$ $-0.1$ -0.1	Black	1992-96	-1.2*	1996-10	-2.5*									-2.5*	-2.5*
$AI/AN^{eg}$ 1992-10 -0.1 -0.1	Black NH <sup>ef</sup>	1992-00	-1.8*	2000-10	-2.5*									-2.5*	-2.5*
	API <sup>e</sup>	1992-10	-1.6*											-1.6*	-1.6*
Hispanic <sup>f</sup> 1992-98 -0.2 1998-10 -1.6* -1.6*	AI/AN <sup>eg</sup>	1992-10	-0.1											-0.1	-0.1
	Hispanic <sup>f</sup>	1992-98	-0.2	1998-10	-1.6*									-1.6*	-1.6*

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.

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.

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

<sup>-</sup> Joinpoint regression line analysis could not be performed on data series.

#### Table 2.3 All Cancer Sites (Invasive)

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints, Females 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	AAE	C <sub>q</sub>
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adju	sted Inciden	.ceª, 197	75-2010											
All Races	1975-79	-0.3	1979-87	1.6*	1987-95	0.1	1995-98	1.5	1998-04	-0.5	2004-10	0.3	0.0	0.3
White	1975-79	-0.2	1979-87	1.7*	1987-95	0.1	1995-98	1.7	1998-04	-0.4	2004-10	0.2	0.0	0.2
Black	1975-90	1.2*	1990-10	0.2*									0.2*	0.2*
SEER 13 Delay-Adj	justed Incide	nce <sup>b</sup> , 19	992-2010											
All Races	1992-94	-0.4	1994-98	1.2	1998-03	-0.8*	2003-10	0.1					-0.1	0.1
White	1992-94	-0.3	1994-98	1.4*	1998-04	-0.6*	2004-10	0.3					0.0	0.3
Black	1992-10	0.1											0.1	0.1
SEER 9 Observed I														
All Races	1975-79	-0.3	1979-87	1.6*	1987-95	0.1	1995-98	1.2	1998-10	-0.3*			-0.3*	-0.3*
White	1975-79	-0.2	1979-87	1.7*	1987-95	0.1	1995-98	1.5	1998-10	-0.3*			-0.3*	-0.3*
Black	1975-91	1.1*	1991-10	0.0									0.0	0.0
SEER 13 Observed		1992-201	L <u>O</u>											
All Races	1992-98	0.7*	1998-10	-0.3*									-0.3*	-0.3*
White	1992-98	0.9*	1998-10	-0.3*									-0.3*	-0.3*
White NH <sup>ef</sup>	1992-98	1.0*	1998-10	-0.2*									-0.2*	-0.2*
Black	1992-10	0.0											0.0	0.0
Black NH <sup>ef</sup>	1992-10	0.0											0.0	0.0
API <sup>e</sup>	1992-10	0.1											0.1	0.1
AI/AN <sup>eg</sup>	1992-10	0.7*											0.7*	0.7*
Hispanic <sup>f</sup>	1992-08	0.2*	2008-10	-2.2									-0.3	-1.0
U.S. Cancer Morta														
All Races	1975-90	0.6*	1990-94	-0.2	1994-02	-0.8*	2002-10	-1.4*					-1.4*	-1.4*
White	1975-90	0.6*	1990-95	-0.2	1995-98	-1.2*	1998-01	-0.2	2001-10	-1.3*			-1.3*	-1.3*
Black	1975-92	1.0*	1992-02	-0.9*	2002-10	-1.8*							-1.7*	-1.8*
U.S. Cancer Morta														
All Races	1992-95	-0.2	1995-98	-1.2*	1998-01	-0.4	2001-10						-1.4*	-1.4*
White	1992-95	-0.2	1995-98	-1.2*	1998-01	-0.2	2001-10	-1.3*					-1.3*	-1.3*
White NH <sup>ef</sup>	1992-94	0.3	1994-98	-1.0*	1998-01	-0.1	2001-10	-1.3*					-1.3*	-1.3*
Black	1992-02	-0.8*	2002-10	-1.8*									-1.7*	-1.8*
Black NH <sup>ef</sup>	1992-02	-0.7*	2002-10	-1.7*									-1.6*	-1.7*
API <sup>e</sup>	1992-10	-1.0*											-1.0*	-1.0*
AI/AN <sup>eg</sup>	1992-10	0.1	0001 11										0.1	0.1
Hispanic <sup>f</sup>	1992-01	-0.2	2001-10	-1.4*									-1.4*	-1.4*

Joinpoint Regression Program Version 4.0.3, April 2013, National Cancer Institute. (<a href="http://surveillance.cancer.gov/joinpoint/">http://surveillance.cancer.gov/joinpoint/</a>).
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 Regist
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.

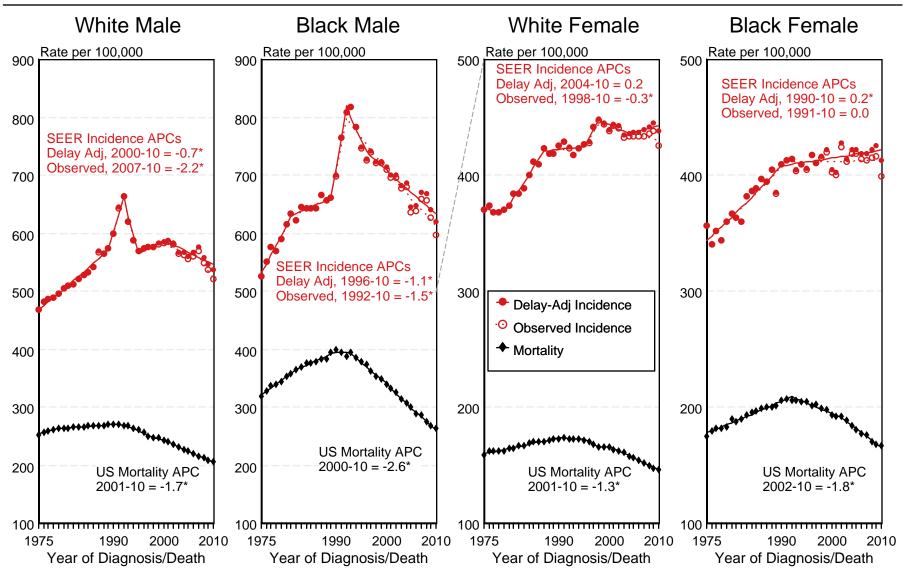
The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, SC, OK and V Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

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

<sup>-</sup> Joinpoint regression line analysis could not be performed on data series.

Figure 2.1

## SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates<sup>a</sup> All Cancer Sites, by Race and Sex

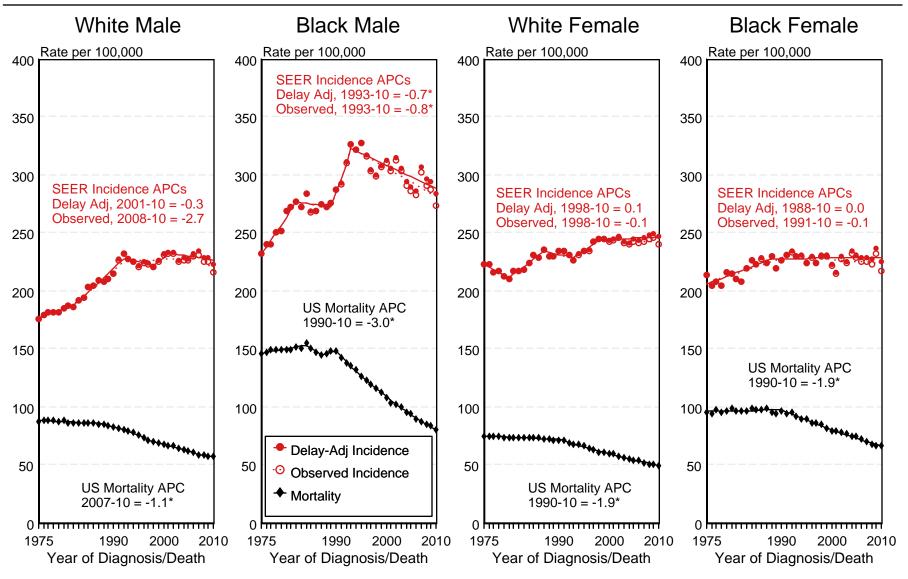


Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).
 Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
 Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.0.3, April 2013, National Cancer 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 2.2

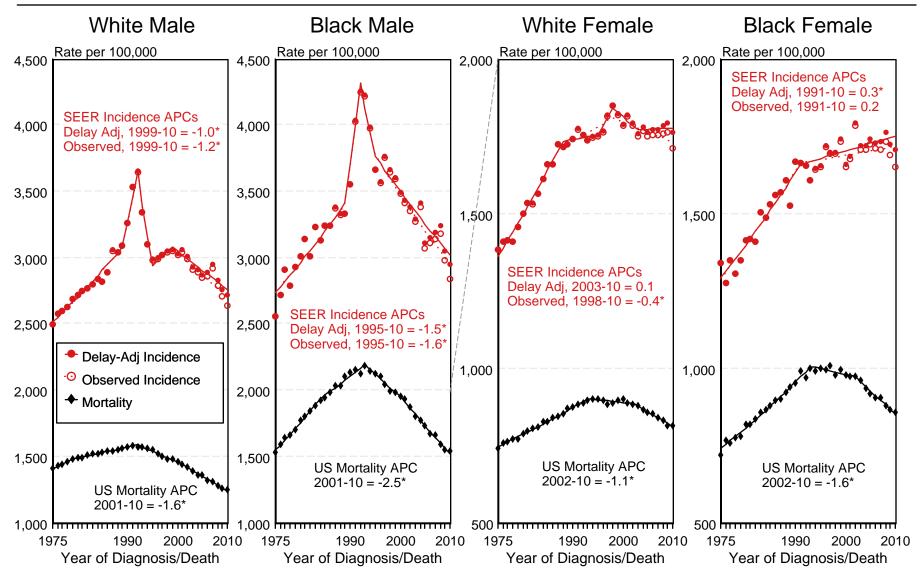
## SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates<sup>a</sup> All Cancer Sites, Under 65 Years of Age, by Race and Sex



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 and APCs are calculated using the Joinpoint Regression Program Version 4.0.3, April 2013, 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).

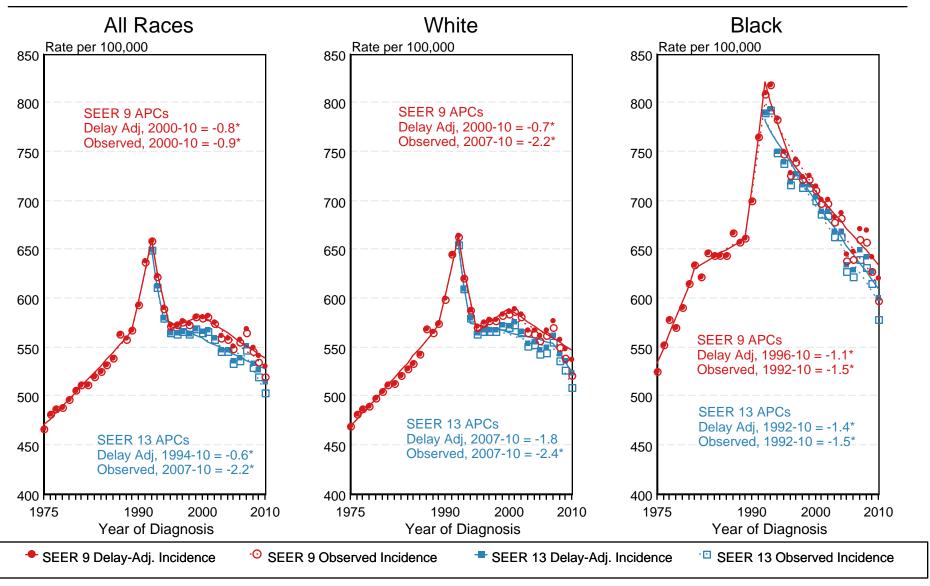
## SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates<sup>a</sup> All Cancer Sites, Ages 65 and Over, by Race and Sex



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 and APCs are calculated using the Joinpoint Regression Program Version 4.0.3, April 2013, 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).

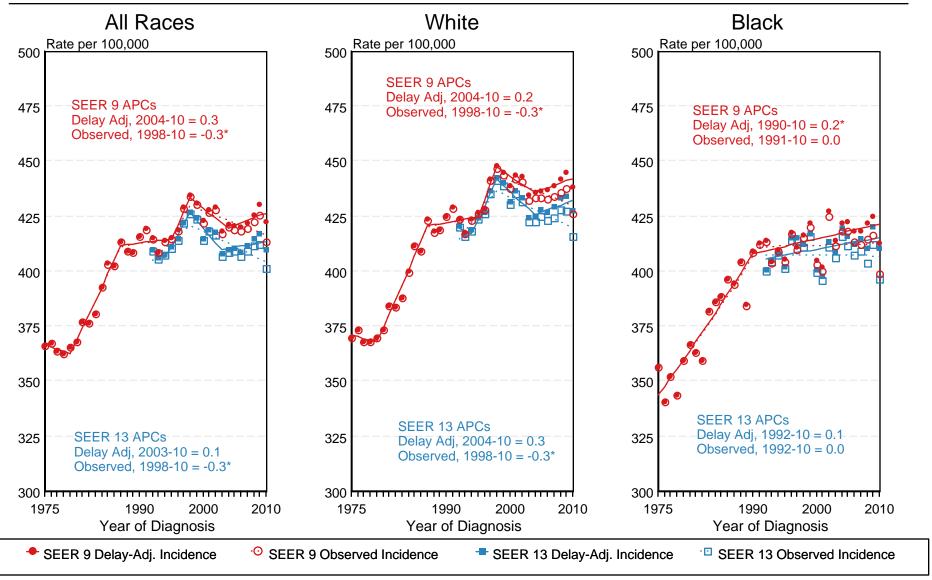
## SEER Observed Incidence and SEER Delay Adjusted Incidence Rates<sup>a</sup> SEER 9 Areas Compared to SEER 13 Areas All Cancer Sites, Males, by Race



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 4.0.3, April 2013, 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.

<sup>\*</sup> The APC is significantly different from zero (p < 0.05).

#### SEER Observed Incidence and SEER Delay Adjusted Incidence Rates<sup>a</sup> SEER 9 Areas Compared to SEER 13 Areas All Cancer Sites, Female, by Race



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 4.0.3, April 2013, 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.

<sup>\*</sup> The APC is significantly different from zero (p < 0.05).

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

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints, Both Sexes by Race/Ethnicity

SEER   9 clay - Adjusted   15 clay - 195 - 2010   195 -		JP Trend 1	JP Trend	2 JP T:	rend 3	JP Tr	end 4	JP Tre		JP Tr	end 6	AAI	
All Races		Years APC	Years A	PC Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
All Races	SEER 9 Delay-Adj	usted Incidence <sup>a</sup> , 1	975-2010										
Black				. 2								-0.2	-0.2
SEER 13 Delay-Adjusted Incidence*, 1992-10	White	1975-87 1.6	1987-10 0	.0								0.0	0.0
All Races   1992-10   0.1	Black	1975-10 0.2										0.2	0.2
Name	SEER 13 Delay-Ad	justed Incidence <sup>b</sup> ,	1992-2010										
Black   1992-10   0.1		1992-10 -0.1										-0.1	-0.1
All Races	White	1992-10 0.1											0.1
All Races	Black	1992-10 0.1										0.1	0.1
White   1975-87   1.6*   1987-10   0.2   0.1   0.2	SEER 9 Observed :	Incidence <sup>a</sup> , 1975-20	110										
Black	All Races	1975-87 1.5	1987-10 -0	.2*								-0.2*	-0.2*
All Races   1992-10   -0.2*   -0.2*   -0.2*   -0.2*   -0.2*   -0.2*   -0.2*   -0.2*   -0.2*   -0.2*   -0.2*   -0.2*   -0.1*   -0.3*	White	1975-87 1.6	1987-10 -0	.1									
All Races	Black	1975-10 0.2										0.2	0.2
White NHefe 1992-10 -0.1 White NHefe 1992-10 0.0 Black 1992-10 0.0 Black NHefe 1992-10 0.0 Black NHefe 1992-10 0.0 APIe 1992-10 -0.3 AI/ANeg 1992-10 3.4* Hispanicf 1992-0 3.1*  U.S. Cancer Mortalityee, 1975-2010 All Races 1975-77 3.7 1977-81 -0.7 1981-91 1.3* 1991-07 -0.9* 2007-10 0.6 Black 1975-84 -0.1 1984-88 3.4 1988-10 -0.8*  U.S. Cancer Mortalityee, 1975-2010 All Races 1975-84 -0.1 1984-88 3.4 1988-10 -0.8*  U.S. Cancer Mortalityee, 1992-10 -0.7* White 1975-92 1.0* 1992-06 -0.9* 2006-10 0.3 Black 1995-84 -0.1 1984-88 3.4 1988-10 -0.8*  U.S. Cancer Mortalityee, 1992-10 -0.7* White 1992-10 -0.7* White 1992-10 -0.7* White 1992-10 -0.8* Black 1992-10 1.6* Black	SEER 13 Observed	Incidence <sup>b</sup> , 1992-2	2010										
White NHef 1992-10 0.1 Black 1992-10 0.0 Black NHef 1992-10 0.0 APIe 1992-10 0.0 APIe 1992-10 0.3 AI/ANeg 1992-10 3.4* Hispanicf 1992-03 1.1 2003-10 -2.0*  U.S. Cancer Mortalitye, 1975-2010 All Races 1975-77 3.7 1977-81 -0.7 1981-91 1.3* 1991-07 -0.9* 2007-10 0.6 Black NHef 1992-10 -0.6* Black 1992-10 -0.8* APIe 1992-10 -0.8* APIe 1992-10 -0.8* APIe 1992-10 1.6	All Races	1992-10 -0.2	t .									-0.2*	-0.2*
Black 1992-10 0.0 0.0 Black NHef 1992-10 0.0 0.0 APTe 1992-10 0.0 0.0 0.0 APTe 1992-10 -0.3 AI/ANeg 1992-10 3.4* 3.4* Hispanicf 1992-03 1.1 2003-10 -2.0* -1.4 -2.0*  U.S. Cancer Mortalityc, 1975-2010 All Races 1975-77 3.7 1977-81 -0.7 1981-91 1.3* 1991-07 -0.9* 2007-10 0.6 -0.4 0.3 Black 1975-84 -0.1 1984-88 3.4 1988-10 -0.8* -0.8*  U.S. Cancer Mortalityc, 1992-2010 All Races 1992-10 -0.5* 4 -0.1 2006-10 0.3 -0.9* 2006-10 0.3 -0.8* -0.8* -0.8* -0.8* Black 1992-10 -0.6*	White	1992-10 -0.1										-0.1	-0.1
Black NHef   1992-10   0.0	White NH <sup>ef</sup>	1992-10 0.1										0.1	0.1
APT <sup>e</sup> 1992-10 -0.3 AI/AN <sup>eg</sup> 1992-10 3.4* Hispanic <sup>f</sup> 1992-03 1.1 2003-10 -2.0*  U.S. Cancer Mortality <sup>c</sup> , 1975-2010 All Races 1975-77 3.7 1977-81 -0.7 1981-91 1.3* 1991-07 -0.9* 2007-10 0.6 Place 1975-92 1.0* 1992-06 -0.9* 2006-10 0.3 Black 1975-84 -0.1 1984-88 3.4 1988-10 -0.8*  U.S. Cancer Mortality <sup>c</sup> , 1992-2010 All Races 1992-06 -1.0* White 1992-10 -0.6* White 1992-10 -0.6* Black 1992-10 -0.6* Black 1992-10 -0.8* Black 1992-10 -0.8* APT <sup>e</sup> 1992-10 0.1 AI/AN <sup>eg</sup> 1992-10 1.6	Black	1992-10 0.0										0.0	0.0
AI/AN <sup>eg</sup> 1992-10 3.4* Hispanic <sup>f</sup> 1992-03 1.1 2003-10 -2.0* -1.4 -2.0*      U.S. Cancer Mortality <sup>c</sup> , 1975-2010	Black NH <sup>ef</sup>	1992-10 0.0										0.0	0.0
Hispanic 1992-03 1.1 2003-10 -2.0*  \[ \begin{array}{c c c c c c c c c c c c c c c c c c c	API <sup>e</sup>	1992-10 -0.3										-0.3	-0.3
U.S. Cancer Mortality <sup>c</sup> , 1975-2010 All Races 1975-77 3.7 1977-81 -0.7 1981-91 1.3* 1991-07 -0.9* 2007-10 0.6 -0.4 0.2 White 1975-92 1.0* 1992-06 -0.9* 2006-10 0.3 Black 1975-84 -0.1 1984-88 3.4 1988-10 -0.8*  U.S. Cancer Mortality <sup>c</sup> , 1992-2010 All Races 1992-06 -1.0* 2006-10 0.2 White 1992-10 -0.7* White NH <sup>ef</sup> 1992-10 -0.6* Black 1992-10 -0.8* Black 1992-10 -0.8* Black 1992-10 -0.8* API <sup>e</sup> 1992-10 0.1 AI/AN <sup>eg</sup> 1992-10 1.6  AI/AN <sup>eg</sup> 1992-10 1.6  ARI/AN <sup>eg</sup> 1992-10 1.6	AI/AN <sup>eg</sup>	1992-10 3.4	•									3.4*	3.4*
All Races 1975-77 3.7 1977-81 -0.7 1981-91 1.3* 1991-07 -0.9* 2007-10 0.6 -0.4 0.2  White 1975-92 1.0* 1992-06 -0.9* 2006-10 0.3  Black 1975-84 -0.1 1984-88 3.4 1988-10 -0.8* -0.8*  U.S. Cancer Mortalityc, 1992-2010  All Races 1992-06 -1.0* 2006-10 0.2  White 1992-10 -0.7* -0.7*  White NHef 1992-10 -0.6* -0.6*  Black 1992-10 -0.8* -0.8*  Black NHef 1992-10 -0.8* -0.8*  APIe 1992-10 0.1  AI/ANeg 1992-10 1.6	Hispanic <sup>f</sup>	1992-03 1.1	2003-10 -2	.0*								-1.4	-2.0*
White 1975-92 1.0* 1992-06 -0.9* 2006-10 0.3 Black 1975-84 -0.1 1984-88 3.4 1988-10 -0.8*  U.S. Cancer Mortality <sup>c</sup> , 1992-2010 All Races 1992-06 -1.0* 2006-10 0.2 White 1992-10 -0.7* White NH <sup>ef</sup> 1992-10 -0.6* Black 1992-10 -0.8* Black NH <sup>ef</sup> 1992-10 -0.8* API <sup>e</sup> 1992-10 0.1 AI/AN <sup>eg</sup> 1992-10 1.6	U.S. Cancer Morta	ality <sup>c</sup> , 1975-2010											
Black 1975-84 -0.1 1984-88 3.4 1988-10 -0.8*  U.S. Cancer Mortality <sup>c</sup> , 1992-2010  All Races 1992-06 -1.0* 2006-10 0.2  White 1992-10 -0.7*  White NH <sup>ef</sup> 1992-10 -0.6*  Black 1992-10 -0.8*  Black NH <sup>ef</sup> 1992-10 -0.8*  API <sup>e</sup> 1992-10 0.1  AI/AN <sup>eg</sup> 1992-10 1.6	All Races	1975-77 3.7	1977-81 -0	.7 1981-91	1.3*	1991-07	-0.9*	2007-10	0.6			-0.4	0.2
U.S. Cancer Mortality <sup>c</sup> , 1992-2010 All Races 1992-06 -1.0* 2006-10 0.2 White 1992-10 -0.7* White NH <sup>ef</sup> 1992-10 -0.6* Black 1992-10 -0.8* Black NH <sup>ef</sup> 1992-10 -0.8* API <sup>e</sup> 1992-10 0.1 AI/AN <sup>eg</sup> 1992-10 1.6	White	1975-92 1.0	1992-06 -0	.9* 2006-10	0.3							-0.4	0.3
All Races 1992-06 -1.0* 2006-10 0.2  White 1992-10 -0.7* White NH <sup>ef</sup> 1992-10 -0.6* Black 1992-10 -0.8* Black NH <sup>ef</sup> 1992-10 -0.8* API <sup>e</sup> 1992-10 0.1 AI/AN <sup>eg</sup> 1992-10 1.6	Black	1975-84 -0.1	1984-88 3	.4 1988-10	-0.8*							-0.8*	-0.8*
White 1992-10 -0.7* White NH <sup>ef</sup> 1992-10 -0.6* Black 1992-10 -0.8* Black NH <sup>ef</sup> 1992-10 -0.8* API <sup>e</sup> 1992-10 0.1 AI/AN <sup>eg</sup> 1992-10 1.6	U.S. Cancer Morta	ality <sup>c</sup> , 1992-2010											
White NH <sup>ef</sup> 1992-10 -0.6* Black 1992-10 -0.8* Black NH <sup>ef</sup> 1992-10 -0.8* API <sup>e</sup> 1992-10 0.1 AI/AN <sup>eg</sup> 1992-10 1.6  -0.6* -0.6* -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* -0.8* -0.8* -0.8*	All Races	1992-06 -1.0	2006-10 0	. 2								-0.5*	0.2
Black 1992-10 -0.8*	White	1992-10 -0.7	•									-0.7*	-0.7*
Black NH <sup>ef</sup> 1992-10 -0.8* -0.8* API <sup>e</sup> 1992-10 0.1 0.1 0.1 AI/AN <sup>eg</sup> 1992-10 1.6 1.6	White NH <sup>ef</sup>	1992-10 -0.6	ŧ									-0.6*	-0.6*
API <sup>e</sup> 1992-10 0.1 0.1 AI/AN <sup>eg</sup> 1992-10 1.6 1.6 1.6	Black	1992-10 -0.8	•									-0.8*	-0.8*
AI/AN <sup>eg</sup> 1992-10 1.6 1.6	Black NH <sup>ef</sup>	1992-10 -0.8	ŧ									-0.8*	-0.8*
	API <sup>e</sup>	1992-10 0.1										0.1	0.1
Hispanic <sup>f</sup> 1992-10 -0.1 -0.1	AI/AN <sup>eg</sup>	1992-10 1.6										1.6	1.6
	$ exttt{Hispanic}^{ ext{f}}$	1992-10 -0.1										-0.1	-0.1

Joinpoint Regression Program Version 4.0.3, April 2013, National Cancer Institute. (<a href="http://surveillance.cancer.gov/joinpoint/">http://surveillance.cancer.gov/joinpoint/</a>). 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).

<sup>-</sup> Joinpoint regression line analysis could not be performed on data series.

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

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 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	nd 5	JP Tr	end 6	AAI	$C^d$
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adjust	ed Incide	nceª, 197	75-2010											
All Races	1975-89	1.2*	1989-10	-0.4*									-0.4*	-0.4*
White	1975-89	1.3*	1989-10	-0.2									-0.2	-0.2
Black	1975-10	-0.3											-0.3	-0.3
SEER 13 Delay-Adjus	ted Incid	ence <sup>b</sup> , 19	992-2010											
All Races	1992-10	-0.3*	<del>-</del>										-0.3*	-0.3*
White	1992-10	-0.1											-0.1	-0.1
Black	1992-10	-0.4											-0.4	-0.4
SEER 9 Observed Inc	idenceª, 1	L975-2010	<u>)</u>											
All Races	1975-89	1.2*	1989-10	-0.4*									-0.4*	-0.4*
White	1975-89	1.3*	1989-10	-0.2									-0.2	-0.2
Black	1975-10	-0.2											-0.2	-0.2
SEER 13 Observed In	cidenceb,	1992-201	L <u>O</u>											
All Races	1992-10	-0.3*											-0.3*	-0.3*
White	1992-10	-0.2											-0.2	-0.2
White NH <sup>ef</sup>	1992-10	-0.1											-0.1	-0.1
Black	1992-10	-0.4											-0.4	-0.4
Black NH <sup>ef</sup>	1992-10	-0.3											-0.3	-0.3
API <sup>e</sup>	1992-10	-0.2											-0.2	-0.2
AI/AN <sup>eg</sup>	1992-10	0.4											0.4	0.4
Hispanic <sup>f</sup>	1992-04	1.7*	2004-10	-3.6*									-1.9	-3.6*
U.S. Cancer Mortali	ty <sup>c</sup> , 1975-	-2010												
All Races	1975-77	4.4	1977-82	-0.4	1982-91	1.3*	1991-07		2007-10	0.7			-0.4	0.3
White	1975-77	4.7	1977-82	-0.3	1982-91	1.4*	1991-07	-0.9*	2007-10	0.8			-0.3	0.4
Black	1975-90	0.7*	1990-10	-0.8*									-0.8*	-0.8*
U.S. Cancer Mortali		-2010												
All Races	1992-07	-0.9*	2007-10	0.7									-0.4	0.3
White	1992-07	-0.8*	2007-10	0.8									-0.3	0.4
White NH <sup>ef</sup>	1992-10	-0.6*											-0.6*	-0.6*
Black	1992-10	-0.8*											-0.8*	-0.8*
Black NH <sup>ef</sup>	1992-10	-0.7*											-0.7*	-0.7*
API <sup>e</sup>	1992-10	0.6											0.6	0.6
AI/AN <sup>eg</sup>	1992-10	1.3											1.3	1.3
Hispanic <sup>f</sup>	1992-10	-0.2											-0.2	-0.2

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.

The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, SC, OK and V

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

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

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

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

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 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	AAI	C <sub>d</sub>
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adj	usted Incidenc	ceª, 197	75-2010											
All Races	1975-87	1.6*	1987-10	-0.1									-0.1	-0.1
White	1975-87	1.7*	1987-10	0.0									0.0	0.0
Black	1975-10	0.7*											0.7*	0.7*
SEER 13 Delay-Ad	justed Incider	nce <sup>b</sup> , 19	92-2010											
All Races	1992-10	0.0											0.0	0.0
White	1992-10	0.1											0.1	0.1
Black	1992-10	0.5											0.5	0.5
SEER 9 Observed	Incidencea, 19	75-2010	<u>)</u>											
All Races	1975-87	1.6*	1987-10	-0.1									-0.1	-0.1
White	1975-87	1.7*	1987-10	0.0									0.0	0.0
Black	1975-10	0.7*											0.7*	0.7*
SEER 13 Observed	Incidence <sup>b</sup> , 1	992-201	.0											
All Races		-0.1											-0.1	-0.1
White	1992-10	0.0											0.0	0.0
White NH <sup>ef</sup>	1992-10	0.3											0.3	0.3
Black	1992-10	0.3											0.3	0.3
Black NH <sup>ef</sup>	1992-10	0.3											0.3	0.3
API <sup>e</sup>	1992-10	-0.4											-0.4	-0.4
AI/AN <sup>eg</sup>	_	-											-	-
Hispanic <sup>f</sup>	1992-10	-0.5											-0.5	-0.5
U.S. Cancer Mort		2010												
All Races	1975-92	0.9*	1992-10	-0.9*									-0.9*	-0.9*
White	1975-92	1.0*	1992-10	-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*	2006-10	2.4	-0.1	2.4
U.S. Cancer Mort														
All Races		-0.9*											-0.9*	-0.9*
White		-0.8*											-0.8*	-0.8*
White NH <sup>ef</sup>		-0.7*											-0.7*	-0.7*
Black		-0.9*											-0.9*	-0.9*
Black NH <sup>ef</sup>	1992-97	2.4	1997-04	-3.0*	2004-10	1.5							0.0	1.5
API <sup>e</sup>		-0.5											-0.5	-0.5
AI/AN <sup>eg</sup>	1992-10	2.0											2.0	2.0
Hispanic <sup>f</sup>	1992-10	0.0											0.0	0.0

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.

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

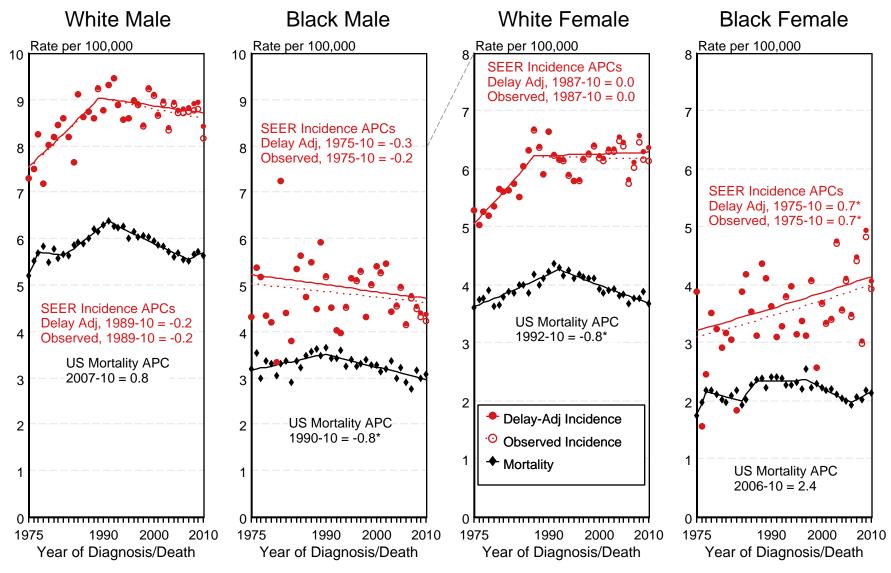
Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

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

<sup>-</sup> Joinpoint regression line analysis could not be performed on data series.

Figure 3.1

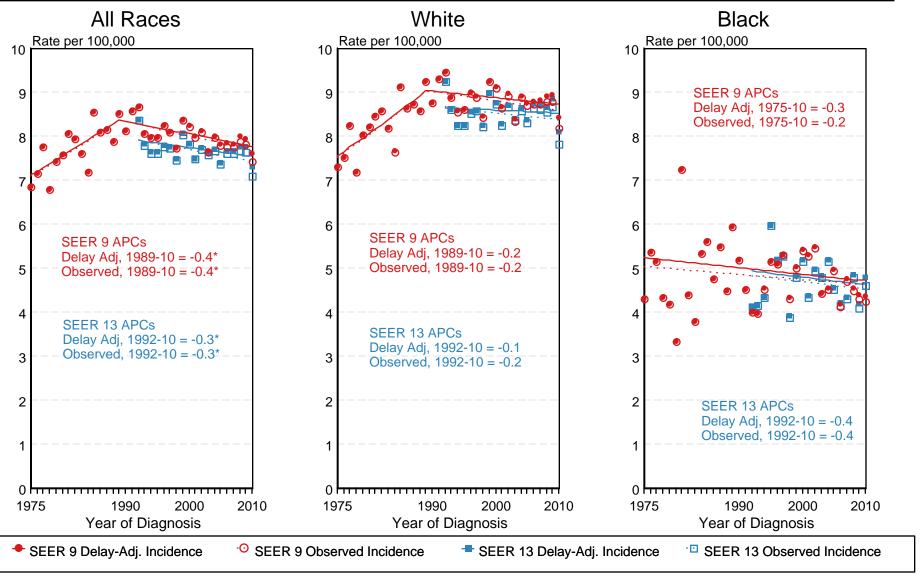
## SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates<sup>a</sup> Cancer of the Brain and Other Nervous System, by Race and Sex



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 and APCs are calculated using the Joinpoint Regression Program Version 4.0.3, April 2013, 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).

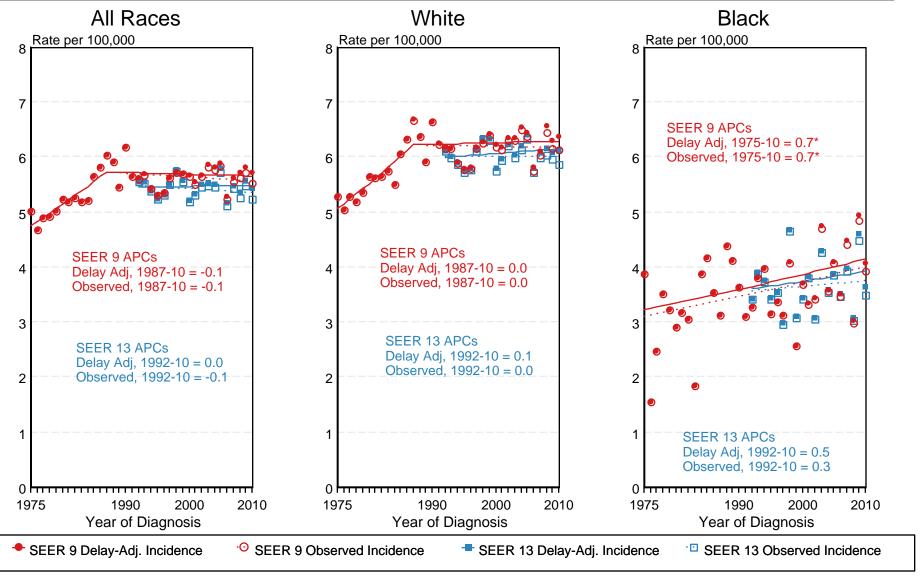
#### SEER Observed Incidence and SEER Delay Adjusted Incidence Rates<sup>a</sup> SEER 9 Areas Compared to SEER 13 Areas Cancer of the Brain and Other Nervous System, Male, by Race



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 4.0.3, April 2013, 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.

<sup>\*</sup> The APC is significantly different from zero (p < 0.05).

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



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 4.0.3, April 2013, 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.

<sup>\*</sup> The APC is significantly different from zero (p < 0.05).

#### Table 4.1 Cancer of the Female Breast (Invasive)

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints, All Ages by Race/Ethnicity

Years         APC         Years         APC <th< th=""><th>Years 2004-10 2004-10</th><th>0.2 0.1</th><th>-0.6</th><th>0.2</th></th<>	Years 2004-10 2004-10	0.2 0.1	-0.6	0.2
All Races 1975-80 -0.6 1980-87 4.0* 1987-94 -0.2 1994-99 1.8* 1999-04 -2.2*			-0.6	0.2
All Races 1975-80 -0.6 1980-87 4.0* 1987-94 -0.2 1994-99 1.8* 1999-04 -2.2*			-0.6	0.2
White 1975-80 -0.5 1980-87 4.1* 1987-94 -0.2 1994-99 2.0* 1999-04 -2.3*	2004-10	0.1		
			-0.7*	0.1
Black 1975-92 2.2* 1992-10 0.1			0.1	0.1
SEER 13 Delay-Adjusted Incidence <sup>b</sup> , 1992-2010				
All Races 1992-99 1.3* 1999-04 -2.2* 2004-10 0.2			-0.6	0.2
White 1992-99 1.5* 1999-04 -2.3* 2004-10 0.1			-0.7	0.1
Black 1992-10 0.2*			0.2*	0.2*
SEER 9 Observed Incidence <sup>a</sup> , 1975-2010				
All Races 1975-80 -0.5 1980-87 4.0* 1987-94 -0.2 1994-99 1.8* 1999-04 -2.3*	2004-10	0.1	-0.7	0.1
White 1975-80 -0.5 1980-87 4.1* 1987-94 -0.2 1994-99 2.0* 1999-04 -2.4*	2004-10	-0.1	-0.8*	-0.1
Black 1975-92 2.2* 1992-10 0.1			0.1	0.1
SEER 13 Observed Incidence <sup>b</sup> , 1992-2010				
All Races 1992-99 1.3* 1999-04 -2.2* 2004-10 0.1			-0.7	0.1
White 1992-99 1.5* 1999-04 -2.4* 2004-10 -0.1			-0.8*	-0.1
White NH <sup>ef</sup> 1992-99 1.7* 1999-04 -2.3* 2004-10 0.1			-0.7	0.1
Black 1992-10 0.1			0.1	0.1
Black NH <sup>ef</sup> 1992-10 0.2			0.2	0.2
API <sup>e</sup> 1992-94 -4.3 1994-97 5.8 1997-10 0.0			0.0	0.0
AI/AN <sup>eg</sup> 1992-10 -0.3			-0.3	-0.3
Hispanic <sup>f</sup> 1992-99 1.3 1999-10 -0.6*			-0.6*	-0.6*
U.S. Cancer Mortality <sup>c</sup> , 1975-2010				
All Races 1975-90 0.4* 1990-95 -1.8* 1995-98 -3.2* 1998-10 -1.9*			-1.9*	-1.9*
White 1975-90 0.3* 1990-95 -2.0* 1995-98 -3.5* 1998-10 -1.9*			-1.9*	-1.9*
Black 1975-93 1.4* 1993-10 -1.5*			-1.5*	-1.5*
U.S. Cancer Mortality <sup>c</sup> , 1992-2010				
All Races 1992-95 -1.3* 1995-98 -3.4* 1998-10 -1.9*			-1.9*	-1.9*
White 1992-95 -1.5* 1995-98 -3.6* 1998-10 -1.9*			-1.9*	-1.9*
White NH <sup>ef</sup> 1992-95 -1.6* 1995-98 -3.5* 1998-10 -1.8*			-1.8*	-1.8*
Black 1992-95 0.4 1995-10 -1.6*			-1.6*	-1.6*
Black NH <sup>ef</sup> 1992-10 -1.2*			-1.2*	-1.2*
API <sup>e</sup> 1992-10 -1.0*			-1.0*	-1.0*
AI/AN <sup>eg</sup> 1992-10 -0.4			-0.4	-0.4
Hispanic <sup>f</sup> 1992-10 -1.7*			-1.7*	-1.7*

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.

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

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

#### Table 4.2 Cancer of the Female Breast (Invasive)

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints, Ages <50 by Race/Ethnicity

	JP Trend		end 2	JP Tr		JP Tre		JP Tre		JP Tr	end 6	AAI	
	Years A	APC Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adjus	ted Incidence	a, 1975-2010											
All Races	1975-80 -1	1.5 1980-85	3.2*	1985-10	0.0							0.0	0.0
White	1975-80 -1	1.1 1980-87	2.7*	1987-94	-0.8	1994-10	0.3*					0.3*	0.3*
Black	1975-77 -6	5.1 1977-90	1.8*	1990-10	-0.3							-0.3	-0.3
SEER 13 Delay-Adju	sted Incidence	e <sup>b</sup> , 1992-2010											
All Races		0.1										0.1	0.1
White	1992-10 (	0.1*										0.1*	0.1*
Black	1992-01 -1	1.1 2001-10	0.9									0.9	0.9
SEER 9 Observed In													
All Races		1.5 1980-85	3.2*	1985-10	0.0							0.0	0.0
White		1.1 1980-87	2.6*	1987-94	-0.8	1994-10	0.2*					0.2*	0.2*
Black	1975-91 1	1.3* 1991-10	-0.3									-0.3	-0.3
SEER 13 Observed I	ncidence <sup>b</sup> , 199	92-2010											
All Races		0.1										0.1	0.1
White		0.1										0.1	0.1
White NH <sup>ef</sup>		0.4*										0.4*	0.4*
Black		1.4* 2002-05	4.1	2005-10								0.4	-1.3
Black NH <sup>ef</sup>		1.4* 2002-05	4.6	2005-10	-1.1							0.7	-1.1
API <sup>e</sup>		0.8*										0.8*	0.8*
AI/AN <sup>eg</sup>		0.0										0.0	0.0
Hispanic <sup>f</sup>	1992-10 -0	0.1										-0.1	-0.1
U.S. Cancer Mortal	ity <sup>c</sup> , 1975-201	<u>10</u>											
All Races		0.4* 1990-10										-3.1*	-3.1*
White		0.7* 1991-99	-4.3*	1999-10								-2.6*	-2.6*
Black	1975-87 1	1.8* 1987-96	-1.2*	1996-10	-2.5*							-2.5*	-2.5*
U.S. Cancer Mortal	ity <sup>c</sup> , 1992-201	<u>10</u>											
All Races		3.0*										-3.0*	-3.0*
White	1992-10 -3	3.2*										-3.2*	-3.2*
White NH <sup>ef</sup>	1992-10 -3	3.1*										-3.1*	-3.1*
Black		2.4*										-2.4*	-2.4*
Black NH <sup>ef</sup>		2.3*										-2.3*	-2.3*
API <sup>e</sup>		2.8*										-2.8*	-2.8*
AI/AN <sup>eg</sup>		2.7*										-2.7*	-2.7*
Hispanic <sup>f</sup>	1992-10 -3	3.0*										-3.0*	-3.0*

Joinpoint Regression Program Version 4.0.3, April 2013, National Cancer Institute. (<a href="http://surveillance.cancer.gov/joinpoint/">http://surveillance.cancer.gov/joinpoint/</a>).
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.

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

<sup>-</sup> Joinpoint regression line analysis could not be performed on data series.

#### Table 4.3 Cancer of the Female Breast (Invasive)

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 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	2001-10	2006-10
SEER 9 Delay-Adjus	sted Incider	nce <sup>a</sup> , 197	75-2010											
All Races	1975-82	0.8	1982-87	5.4*	1987-93	-0.3	1993-99	1.9*	1999-05	-2.5*	2005-10	0.5	-0.8	0.5
White	1975-82	0.9	1982-87	5.6*	1987-93	-0.4	1993-99	2.1*	1999-05	-2.6*	2005-10	0.3	-1.0*	0.3
Black	1975-92	2.6*	1992-10	0.3									0.3	0.3
SEER 13 Delay-Adju	usted Incide	ence <sup>b</sup> , 19	992-2010											
All Races	1992-99	1.7*	1999-04	-2.8*	2004-10	0.1							-0.9	0.1
White	1992-00	1.5*	2000-04	-3.7*	2004-10	0.1							-1.2*	0.1
Black	1992-10	0.3*											0.3*	0.3*
SEER 9 Observed In			_											
All Races	1975-82	0.9	1982-87	5.3*	1987-93	-0.3	1993-99	1.9*	1999-05	-2.6*	2005-10	0.4	-0.9*	0.4
White	1975-82	0.9*	1982-87	5.5*	1987-93	-0.3	1993-00	1.7*	2000-04	-3.8*	2004-10	-0.1	-1.3*	-0.1
Black	1975-92	2.6*	1992-10	0.2									0.2	0.2
SEER 13 Observed 1	Incidence <sup>b</sup> ,	1992-201	<u>LO</u>											
All Races	1992-99	1.7*	1999-04	-2.9*	2004-10	0.0							-1.0*	0.0
White	1992-00	1.4*	2000-04	-3.7*	2004-10	0.0							-1.3*	0.0
White NH <sup>ef</sup>	1992-01	1.3*	2001-04	-5.2	2004-10	0.3							-1.6	0.3
Black	1992-10	0.2											0.2	0.2
Black NH <sup>ef</sup>	1992-10	0.2											0.2	0.2
API <sup>e</sup>	1992-94	-5.6	1994-97	8.3	1997-04	-1.5	2004-10	1.3					0.3	1.3
AI/AN <sup>eg</sup>	1992-10	-0.3											-0.3	-0.3
Hispanic <sup>f</sup>	1992-99	1.5	1999-10	-0.7*									-0.7*	-0.7*
U.S. Cancer Mortal	lity <sup>c</sup> , 1975-	2010												
All Races	1975-90	0.6*	1990-10	-1.9*									-1.9*	-1.9*
White	1975-90	0.5*	1990-10	-2.0*									-2.0*	-2.0*
Black	1975-93	1.6*	1993-10	-1.2*									-1.2*	-1.2*
U.S. Cancer Mortal	lity <sup>c</sup> , 1992-	2010												
All Races	1992-94	-0.4	1994-97	-3.1*	1997-10	-1.8*							-1.8*	-1.8*
White	1992-94	-0.6	1994-97	-3.3*	1997-10	-1.9*							-1.9*	-1.9*
White NH <sup>ef</sup>	1992-94	-0.5	1994-97	-3.3*	1997-10	-1.7*							-1.7*	-1.7*
Black	1992-94	1.9	1994-10	-1.3*									-1.3*	-1.3*
Black NH <sup>ef</sup>	1992-10	-0.9*											-0.9*	-0.9*
API <sup>e</sup>	1992-10	-0.5*											-0.5*	-0.5*
AI/AN <sup>eg</sup>	1992-10	0.1											0.1	0.1
Hispanic <sup>f</sup>	1992-10	-1.5*											-1.5*	-1.5*

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.

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

<sup>-</sup> Joinpoint regression line analysis could not be performed on data series.

#### Table 4.4 Cancer of the Female Breast (In Situ)

Trends in SEER Incidence<sup>ab</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 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	AAP	C <sup>d</sup>
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adjus	sted Incide	nce <sup>a</sup> , 197	75-2010											
All Races	1975-81	-3.2	1981-87	25.1*	1987-94	3.8*	1994-98	9.9*	1998-10	1.0*			1.0*	1.0*
White	1975-81	-2.7	1981-87	25.0*	1987-95	4.0*	1995-98	11.3*	1998-10	0.8*			0.8*	0.8*
Black	1975-98	9.4*	1998-10	1.6*									1.6*	1.6*
SEER 13 Delay-Adju	sted Incide	ence <sup>b</sup> , 19	992-2010											
All Races	1992-99	7.1*	1999-10	0.7									0.7	0.7
White	1992-99	7.0*	1999-10	0.5									0.5	0.5
Black	1992-98	8.9*	1998-10	1.8*									1.8*	1.8*
SEER 9 Observed Ir	ncidenceª, 1	975-2010	)											
All Races	1975-81	-3.1	1981-87	25.2*	1987-94	3.8*	1994-98	9.9*	1998-10	0.9*			0.9*	0.9*
White	1975-81	-2.9	1981-87	25.4*	1987-95	3.9*	1995-98	11.4	1998-10	0.7*			0.7*	0.7*
Black	1975-81	3.1	1981-88	18.4*	1988-98	7.9*	1998-10	1.8*					1.8*	1.8*
SEER 13 Observed 1	ncidence <sup>b</sup> ,	1992-201	L <u>O</u>											
All Races	1992-99	7.1*	1999-10	0.6									0.6	0.6
White	1992-99	7.0*	1999-10	0.4									0.4	0.4
White NH <sup>ef</sup>	1992-99	7.3*	1999-10	0.6									0.6	0.6
Black	1992-98	8.9*	1998-10	1.8*									1.8*	1.8*
Black NH <sup>ef</sup>	1992-98	8.7*	1998-10	1.9*									1.9*	1.9*
API <sup>e</sup>	1992-02	7.8*	2002-05	-5.4	2005-08	8.6	2008-10	-3.8					0.9	2.2
AI/AN <sup>eg</sup>	1992-10	0.8											0.8	0.8
Hispanic <sup>f</sup>	1992-98	8.3*	1998-10	1.6*									1.6*	1.6*

Joinpoint Regression Program Version 4.0.3, April 2013, National Cancer Institute. (<a href="http://surveillance.cancer.gov/joinpoint/">http://surveillance.cancer.gov/joinpoint/</a>). 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.

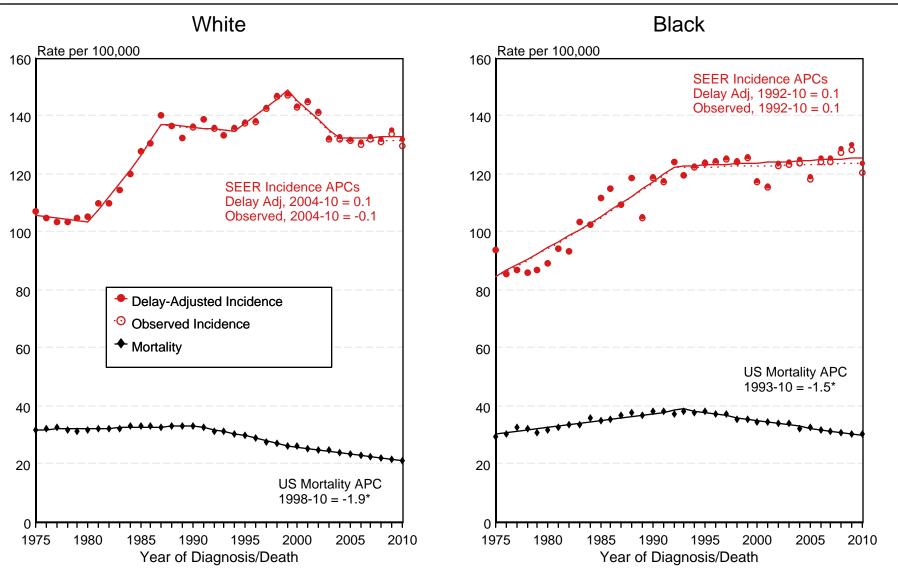
The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, SC, OK and VT
Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

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

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

Figure 4.1

## SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates<sup>a</sup> Cancer of the Female Breast, by Race



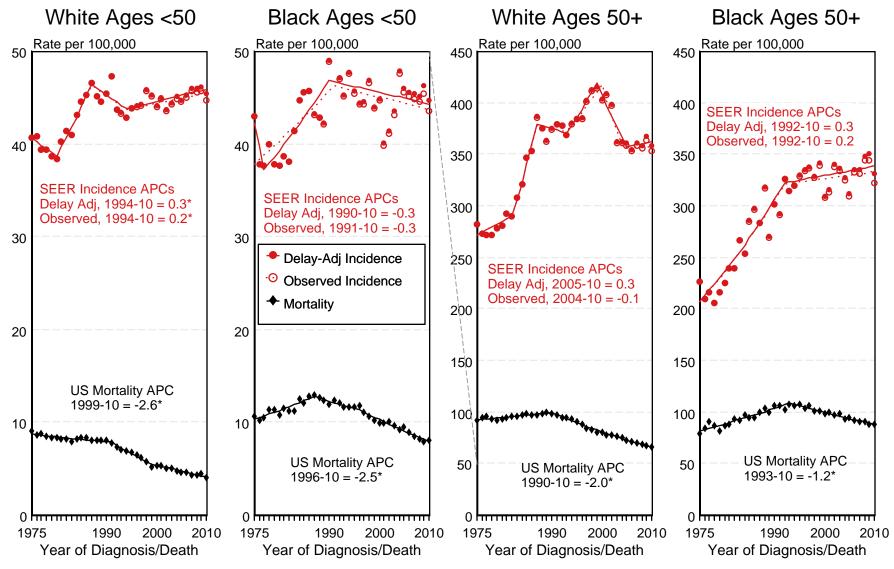
Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).
 Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
 Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.0.3, April 2013, National Cancer 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, SEER Delay Adjusted Incidence and US Death Rates<sup>a</sup> Cancer of the Female Breast, by Age and Race

Figure 4.2

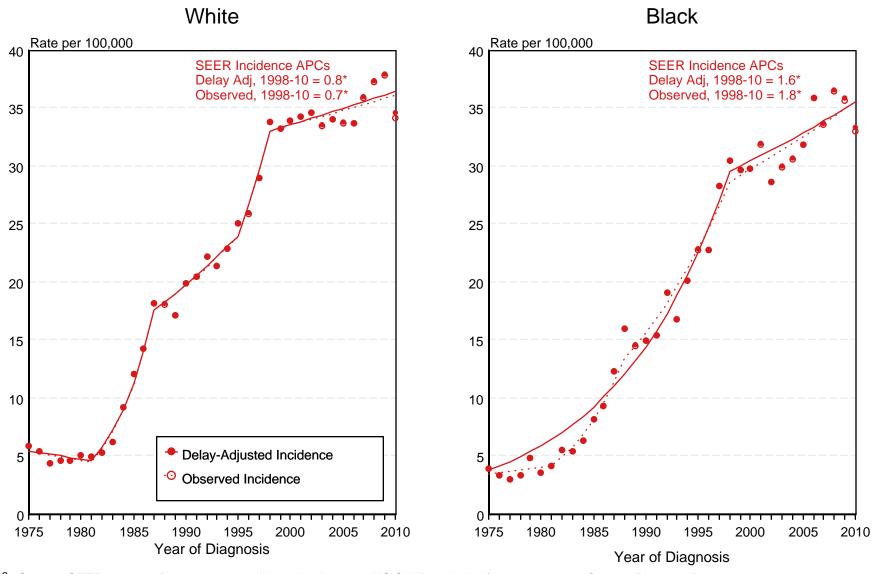


<sup>&</sup>lt;sup>a</sup> Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC). Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.0.3, April 2013, 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 4.3

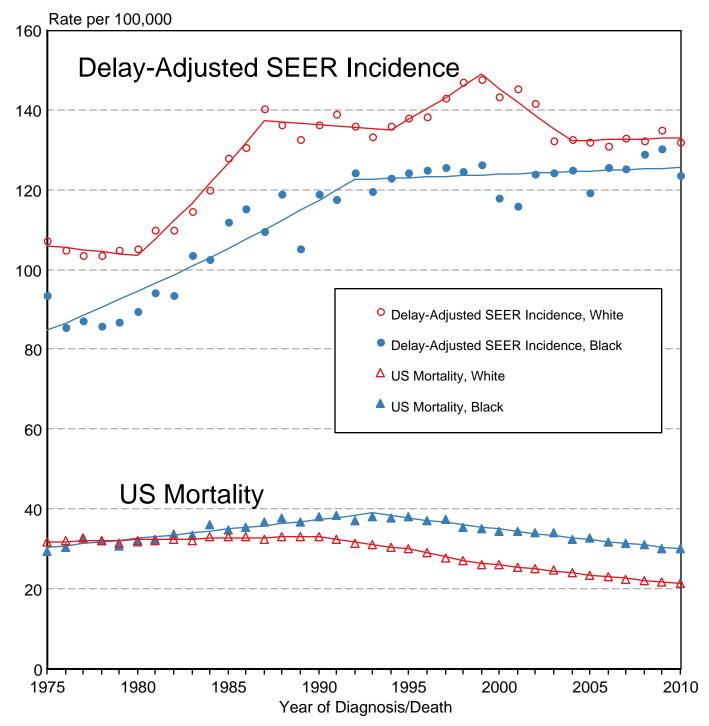
## SEER Observed Incidence and Delay Adjusted Incidence Rates<sup>a</sup> Cancer of the Female Breast (*In Situ*), by Race



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 4.0.3, April 2013, 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.

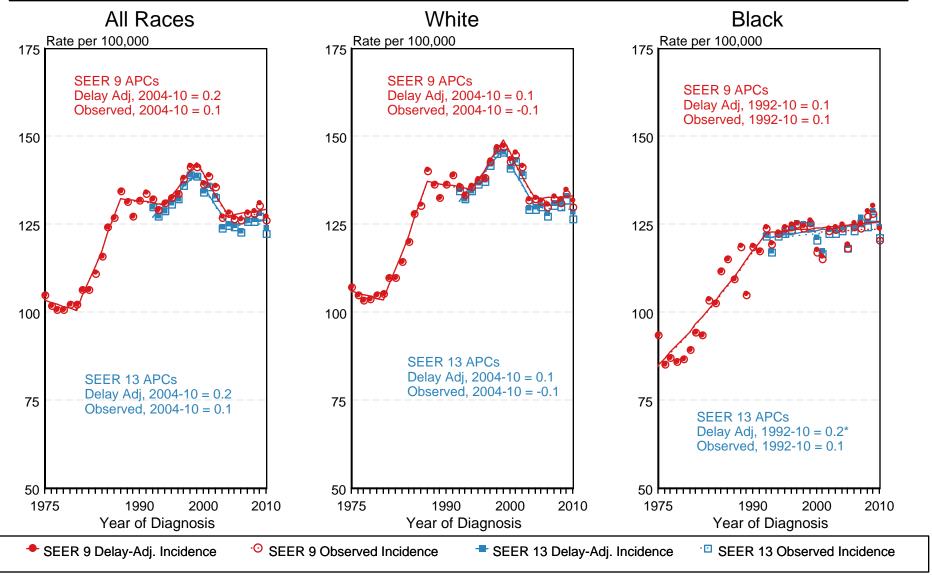
<sup>\*</sup> The APC is significantly different from zero (p < 0.05).

# Cancer of the Breast Delay-Adjusted SEER Incidence & US Mortality White Females vs Black Females 1975-2010



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 4.0.3, April 2013, National Cancer Institute.

# SEER Observed Incidence and SEER Delay Adjusted Incidence Rates<sup>a</sup> SEER 9 Areas Compared to SEER 13 Areas Cancer of the Female Breast, by Race



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 4.0.3, April 2013, 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.

<sup>\*</sup> The APC is significantly different from zero (p < 0.05).

#### Table 5.1 Cancer of the Cervix Uteri (Invasive)

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 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 Tr	end 5	JP Tr	end 6	AAI	C <sub>d</sub>
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adjust	ed Incide	nce <sup>a</sup> , 197	5-2010											
All Races	1975-82	-4.5*	1982-90	-0.2	1990-10	-2.5*							-2.5*	-2.5*
White	1975-82	-4.6*	1982-90	0.2	1990-10	-2.1*							-2.1*	-2.1*
Black	1975-10	-3.8*											-3.8*	-3.8*
SEER 13 Delay-Adjus	ted Incid	ence <sup>b</sup> , 19	92-2010											
All Races	1992-10	-2.5*	_										-2.5*	-2.5*
White	1992-10	-2.0*											-2.0*	-2.0*
Black	1992-10	-3.6*											-3.6*	-3.6*
SEER 9 Observed Inc	idenceª, 1	L975-2010	1											
All Races	1975-82	-4.6*	1982-90	-0.2	1990-10	-2.5*							-2.5*	-2.5*
White	1975-82	-4.7*	1982-90	0.2	1990-10	-2.2*							-2.2*	-2.2*
Black	1975-10	-3.7*											-3.7*	-3.7*
SEER 13 Observed In	cidence <sup>b</sup> ,	1992-201	.0											
All Races	1992-10	-2.5*											-2.5*	-2.5*
White	1992-10	-2.1*											-2.1*	-2.1*
White NH <sup>ef</sup>	1992-10	-2.0*											-2.0*	-2.0*
Black	1992-10	-3.7*											-3.7*	-3.7*
Black NH <sup>ef</sup>	1992-10	-3.6*											-3.6*	-3.6*
API <sup>e</sup>	1992-10	-4.4*											-4.4*	-4.4*
AI/AN <sup>eg</sup>	1992-10	-1.3											-1.3	-1.3
Hispanic <sup>f</sup>	1992-10	-3.9*											-3.9*	-3.9*
U.S. Cancer Mortali	ty <sup>c</sup> , 1975-	-2010												
All Races	1975-82	-4.3*	1982-96	-1.6*	1996-03	-3.7*	2003-10	-1.1*					-1.7*	-1.1*
White	1975-83	-4.2*	1983-96	-1.3*	1996-03	-3.4*	2003-10	-0.9*					-1.4*	-0.9*
Black	1975-81	-4.8*	1981-93	-2.4*	1993-03	-4.7*	2003-10	-2.1*					-2.7*	-2.1*
U.S. Cancer Mortali	ty <sup>c</sup> , 1992-	-2010												
All Races	1992-96	-2.3*	1996-04	-3.5*	2004-07	0.3	2007-10	-2.4*					-1.9*	-1.8*
White	1992-96	-1.4	1996-03	-3.4*	2003-10	-0.9*							-1.4*	-0.9*
White NH <sup>ef</sup>	1992-96	-1.1	1996-03	-3.4*	2003-10	-0.7							-1.3*	-0.7
Black	1992-03	-4.8*	2003-10	-2.0*									-2.7*	-2.0*
Black NH <sup>ef</sup>	1992-01	-5.1*	2001-10	-2.5*									-2.5*	-2.5*
API <sup>e</sup>	1992-10	-4.1*											-4.1*	-4.1*
AI/AN <sup>eg</sup>	1992-10	-2.0*											-2.0*	-2.0*
Hispanic <sup>f</sup>	1992-10	-2.7*											-2.7*	-2.7*

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.

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

<sup>-</sup> Joinpoint regression line analysis could not be performed on data series.

#### Table 5.2 Cancer of the Cervix Uteri (Invasive)

Trends in SEER Incidence ab and U.S. Mortality Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints, Ages <50 by Race/Ethnicity

	JP Tre	end 1	JP Tre		JP Tre		JP Tre		JP Tre		JP Tr		AAI	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adjust	ed Incider	nce <sup>a</sup> , 197	5-2010											
All Races	1975-82	-3.9*	1982-89	1.1	1989-10	-2.0*							-2.0*	-2.0*
White	1975-81	-4.5*	1981-89	1.5	1989-10	-1.6*							-1.6*	-1.6*
Black	1975-10	-3.4*											-3.4*	-3.4*
SEER 13 Delay-Adjus	sted Incide	ence <sup>b</sup> , 19	92-2010											
All Races	1992-05	-2.4*	2005-10	-0.4									-1.3	-0.4
White	1992-10	-1.6*											-1.6*	-1.6*
Black	1992-10	-3.6*											-3.6*	-3.6*
SEER 9 Observed Inc			<u>)</u>											
All Races	1975-81	-3.7*	1981-98	-0.5	1998-01	-7.0	2001-10	-0.7					-0.7	-0.7
White	1975-81	-4.6*	1981-89	1.5	1989-10	-1.7*							-1.7*	-1.7*
Black	1975-10	-3.4*											-3.4*	-3.4*
SEER 13 Observed In	ncidence <sup>b</sup> ,		.0											
All Races	1992-05	-2.4*	2005-10	-0.5									-1.3*	-0.5
White	1992-10	-1.7*											-1.7*	-1.7*
White NH <sup>ef</sup>	1992-10	-1.4*											-1.4*	-1.4*
Black	1992-10	-3.6*											-3.6*	-3.6*
Black NH <sup>ef</sup>	1992-10	-3.5*											-3.5*	-3.5*
API <sup>e</sup>	1992-10	-2.6*											-2.6*	-2.6*
AI/AN <sup>eg</sup>	1992-10	0.5											0.5	0.5
Hispanic <sup>f</sup>	1992-10	-3.7*											-3.7*	-3.7*
U.S. Cancer Mortali	ty <sup>c</sup> , 1975-	-2010												
All Races	1975-81	-3.8*	1981-97		1997-00	-6.2	2000-10						-1.3*	-1.3*
White	1975-79	-5.0*	1979-97	-0.4*	1997-03	-3.6*	2003-10	-0.4					-1.2*	-0.4
Black	1975-10	-3.3*											-3.3*	-3.3*
U.S. Cancer Mortali	ty <sup>c</sup> , 1992-	-2010												
All Races	1992-03	-3.0*	2003-10	-1.0									-1.5*	-1.0
White	1992-97	-0.8	1997-03	-3.5*	2003-10	-0.5							-1.2*	-0.5
White NH <sup>ef</sup>	1992-97	0.3	1997-00	-5.5	2000-10	-0.8*							-0.8*	-0.8*
Black	1992-01	-5.6*	2001-10	-1.6									-1.6	-1.6
Black NH <sup>ef</sup>	1992-10	-3.5*											-3.5*	-3.5*
API <sup>e</sup>	1992-10	-4.3*											-4.3*	-4.3*
AI/AN <sup>eg</sup>	1992-10	-0.5											-0.5	-0.5
Hispanic <sup>f</sup>	1992-10	-3.0*											-3.0*	-3.0*

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.

#### Table 5.3 Cancer of the Cervix Uteri (Invasive)

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints, Ages 50+ by Race/Ethnicity

	JP Trend	1 JP Tr	JP Trend 2		JP Trend 3		JP Trend 4		JP Trend 5		JP Trend 6		$C_q$
	Years A	PC Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adjus	ted Incidencea	, 1975-2010											
All Races	1975-83 -4	.8* 1983-91	-1.0	1991-10	-3.1*							-3.1*	-3.1*
White	1975-85 -4	.7* 1985-90	0.4	1990-10	-2.9*							-2.9*	-2.9*
Black	1975-10 -4	.0*										-4.0*	-4.0*
SEER 13 Delay-Adju	sted Incidence	e <sup>b</sup> , 1992-2010											
All Races	1992-10 -3	.1*										-3.1*	-3.1*
White	1992-10 -2	.6*										-2.6*	-2.6*
Black	1992-94 9	.4 1994-10	-4.4*									-4.4*	-4.4*
SEER 9 Observed In	cidenceª, 1975	-2010											
All Races	1975-83 -4	.8* 1983-91	-1.1	1991-10	-3.1*							-3.1*	-3.1*
White		.6* 1985-90	0.2	1990-10	-2.9*							-2.9*	-2.9*
Black	1975-10 -3	.9*										-3.9*	-3.9*
SEER 13 Observed I	ncidence <sup>b</sup> , 199	2-2010											
All Races		.1*										-3.1*	-3.1*
White		.7*										-2.7*	-2.7*
White NH <sup>ef</sup>		.7*										-2.7*	-2.7*
Black		.8*										-3.8*	-3.8*
Black NH <sup>ef</sup>		.8*										-3.8*	-3.8*
API <sup>e</sup>		.8*										-5.8*	-5.8*
AI/AN <sup>eg</sup>		.9*										-3.9*	-3.9*
Hispanic <sup>f</sup>	1992-10 -4	.1*										-4.1*	-4.1*
U.S. Cancer Mortal	ity <sup>c</sup> , 1975-201	0											
All Races	1975-84 -4	.3* 1984-94	-1.8*	1994-04	-3.4*	2004-10	-1.1*					-1.9*	-1.1*
White	1975-84 -4	.6* 1984-96	-1.8*	1996-02	-3.7*	2002-10	-1.3*					-1.6*	-1.3*
Black	1975-79 -5	.5* 1979-93	-2.7*	1993-05	-4.5*	2005-10	-1.7					-2.9*	-1.7
U.S. Cancer Mortal	ity <sup>c</sup> , 1992-201	0											
All Races	1992-04 -3	.3* 2004-10	-1.2*									-1.9*	-1.2*
White	1992-03 -3	.0* 2003-10	-1.3*									-1.7*	-1.3*
White NH <sup>ef</sup>	1992-04 -3	.1* 2004-10	-0.9									-1.7*	-0.9
Black	1992-05 -4	.6* 2005-10	-1.6									-2.9*	-1.6
Black NH <sup>ef</sup>	1992-05 -4	.5* 2005-10	-1.9									-3.1*	-1.9
API <sup>e</sup>	1992-10 -4	.1*										-4.1*	-4.1*
AI/AN <sup>eg</sup>		.0*										-3.0*	-3.0*
Hispanic <sup>f</sup>	1992-10 -2	.6*										-2.6*	-2.6*

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.

e 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.

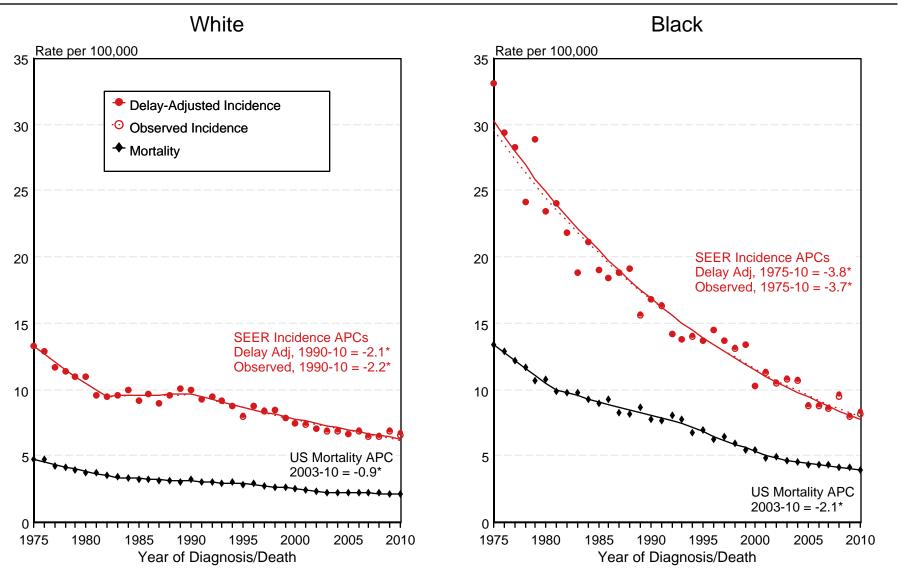
Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

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

<sup>-</sup> Joinpoint regression line analysis could not be performed on data series.

Figure 5.1

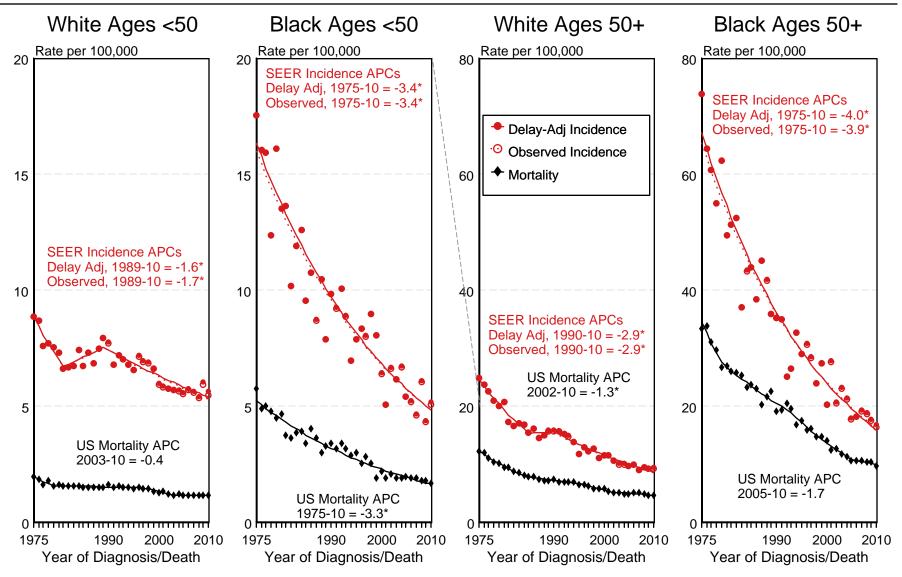
## SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates<sup>a</sup> Cancer of the Cervix Uteri, by Race



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 4.0.3, April 2013, 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).

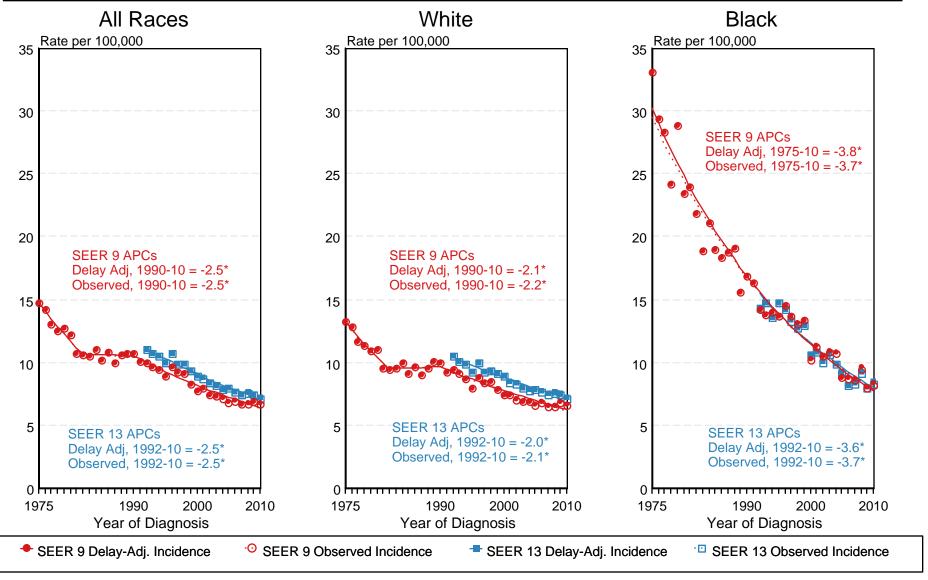
## SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates<sup>a</sup> Cancer of the Cervix Uteri, by Age and Race



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 4.0.3, April 2013, 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<sup>a</sup> SEER 9 Areas Compared to SEER 13 Areas Cancer of the Cervix Uteri, by Race



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 4.0.3, April 2013, 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.

<sup>\*</sup> The APC is significantly different from zero (p < 0.05).

#### Table 6.1 Cancer of the Colon and Rectum (Invasive)

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints, Both Sexes by Race/Ethnicity

	JP Tre	nd 1	JP Tre	end 2	JP Tre		JP Tre	end 4	JP Tre		JP Tr	end 6		AAPC <sup>d</sup>	
-	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10	
SEER 9 Delay-Adjus	ted Inciden	ice <sup>a</sup> , 197	75-2010												
All Races	1975-85	0.8*	1985-95	-1.8*	1995-98	1.6	1998-10	-2.4*					-2.4*	-2.4*	
White	1975-85	0.8*	1985-95	-2.0*	1995-98	1.6	1998-08	-2.4*	2008-10	-5.3*			-3.1*	-3.9*	
Black	1975-80	3.2*	1980-03	-0.1	2003-10	-3.0*							-2.3*	-3.0*	
SEER 13 Delay-Adju	sted Incide	nce <sup>b</sup> , 19	992-2010												
All Races	1992-95	-2.1*	1995-98	1.6	1998-08	-2.1*	2008-10						-2.6*	-3.2*	
White	1992-95	-2.1*	1995-98	1.7*	1998-08	-2.3*	2008-10	-4.9*					-2.9*	-3.6*	
Black	1992-03	0.0	2003-10	-2.5*									-2.0*	-2.5*	
SEER 9 Observed In			-												
All Races	1975-85	0.8*	1985-95	-1.8*	1995-98	1.5	1998-08		2008-10	-5.1*			-2.9*	-3.7*	
White	1975-85	0.8*	1985-95	-2.0*	1995-98	1.6	1998-08	-2.5*	2008-10	-5.8*			-3.2*	-4.2*	
Black	1975-80	3.2*	1980-03	-0.1	2003-10	-3.2*							-2.5*	-3.2*	
SEER 13 Observed I	ncidence <sup>b</sup> ,	1992-201	_0												
All Races	1992-95	-2.1*	1995-98	1.6	1998-08	-2.2*	2008-10	-4.8*					-2.8*	-3.5*	
White	1992-95	-2.2*	1995-98	1.6	1998-08	-2.4*	2008-10	-5.4*					-3.1*	-3.9*	
White NH <sup>ef</sup>	1992-95	-2.2*	1995-98	1.8	1998-08	-2.5*	2008-10	-5.5*					-3.2*	-4.0*	
Black	1992-03	0.0	2003-10	-2.8*									-2.2*	-2.8*	
Black NH <sup>ef</sup>	1992-03	0.0	2003-10	-2.7*									-2.1*	-2.7*	
API <sup>e</sup>	1992-01	-0.3	2001-10	-2.3*									-2.3*	-2.3*	
AI/AN <sup>eg</sup>	1992-10	-0.4											-0.4	-0.4	
Hispanic <sup>f</sup>	1992-08	0.0	2008-10	-5.7									-1.3	-2.9	
U.S. Cancer Mortal	ity <sup>c</sup> , 1975-	2010													
All Races	1975-84	-0.5*	1984-02	-1.8*	2002-05	-3.8*	2005-10						-2.8*	-2.5*	
White	1975-84	-0.7*	1984-02	-1.9*	2002-05	-3.8*	2005-10	-2.5*					-2.9*	-2.5*	
Black	1975-90	0.6*	1990-01	-0.8*	2001-10	-2.8*							-2.8*	-2.8*	
U.S. Cancer Mortal															
All Races	1992-01	-1.8*	2001-10	-2.9*									-2.9*	-2.9*	
White	1992-02	-1.9*	2002-05	-3.9*	2005-10	-2.5*							-2.9*	-2.5*	
White NH <sup>ef</sup>	1992-01	-1.8*	2001-10	-2.8*									-2.8*	-2.8*	
Black	1992-01	-0.7*	2001-10	-2.9*									-2.9*	-2.9*	
Black NH <sup>ef</sup>	1992-01	-0.6*	2001-10	-2.7*									-2.7*	-2.7*	
API <sup>e</sup>	1992-10	-1.8*											-1.8*	-1.8*	
AI/AN <sup>eg</sup>	1992-10	0.3											0.3	0.3	
Hispanic <sup>f</sup>	1992-99	0.5	1999-10	-1.5*									-1.5*	-1.5*	

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

e 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.

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

<sup>-</sup> Joinpoint regression line analysis could not be performed on data series.

#### Table 6.2 Cancer of the Colon and Rectum (Invasive)

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints, Males by Race/Ethnicity

	JP Trend 1		JP Trend 2		JP Trend 3		JP Trend 4		JP Trend 5		JP Trend 6		AAPC <sup>d</sup>	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adjus	ted Incide	nce <sup>a</sup> , 197	75-2010											
All Races	1975-85	1.1*	1985-91	-1.2*	1991-95	-3.2*	1995-98	2.1	1998-10	-2.8*			-2.8*	-2.8*
White	1975-85	1.1*	1985-91	-1.4*	1991-95	-3.3*	1995-98	2.2	1998-10	-3.1*			-3.1*	-3.1*
Black	1975-92	1.0*	1992-10	-1.2*									-1.2*	-1.2*
SEER 13 Delay-Adju	sted Incid	ence <sup>b</sup> , 19	992-2010											
All Races	1992-95	-2.6*	1995-98	1.4	1998-08	-2.5*	2008-10	-4.2*					-2.9*	-3.3*
White	1992-95	-2.8*	1995-98	1.5	1998-08	-2.7*	2008-10	-4.7*					-3.2*	-3.7*
Black	1992-03	-0.1	2003-10	-2.9*									-2.3*	-2.9*
SEER 9 Observed In		L975-2010												
All Races	1975-85	1.1*	1985-91	-1.2*	1991-95	-3.2*	1995-98	2.0	1998-08	-2.8*	2008-10	-4.8*	-3.2*	-3.8*
White	1975-85	1.1*	1985-91	-1.4*	1991-95	-3.3*	1995-98	2.0	1998-08	-3.0*	2008-10	-5.6*	-3.6*	-4.3*
Black	1975-80	4.5	1980-03	0.0	2003-10	-3.6*							-2.8*	-3.6*
SEER 13 Observed I	ncidence <sup>b</sup> ,	1992-201	<u>LO</u>											
All Races	1992-95	-2.6*	1995-98	1.4	1998-08	-2.5*	2008-10	-4.7*					-3.0*	-3.6*
White	1992-95	-2.8*	1995-98	1.5	1998-08	-2.7*	2008-10	-5.3*					-3.3*	-4.0*
White NH <sup>ef</sup>	1992-95	-2.9*	1995-98	1.5	1998-08	-2.9*	2008-10	-5.2*					-3.4*	-4.1*
Black	1992-03	-0.1	2003-10	-3.1*									-2.4*	-3.1*
Black NH <sup>ef</sup>	1992-04	-0.2	2004-10	-3.4*									-2.4*	-3.4*
API <sup>e</sup>	1992-01	-0.4	2001-10	-2.7*									-2.7*	-2.7*
AI/AN <sup>eg</sup>	1992-10	-0.3											-0.3	-0.3
Hispanic <sup>f</sup>	1992-98	1.7	1998-10	-1.1*									-1.1*	-1.1*
U.S. Cancer Mortal	ity <sup>c</sup> , 1975-	-2010												
All Races	1975-78	0.8	1978-85	-0.4*	1985-90	-1.4*	1990-02	-2.0*	2002-05	-4.0*	2005-10	-2.5*	-2.9*	-2.5*
White	1975-79	0.6	1979-87	-0.8*	1987-02	-2.1*	2002-05	-4.2*	2005-10	-2.5*			-3.0*	-2.5*
Black	1975-90	1.2*	1990-02	-0.7*	2002-10	-2.6*							-2.4*	-2.6*
U.S. Cancer Mortal	ity <sup>c</sup> , 1992-	-2010												
All Races	1992-02	-2.0*	2002-05	-4.0*	2005-10	-2.5*							-2.9*	-2.5*
White	1992-02	-2.1*	2002-05	-4.1*	2005-10	-2.5*							-3.0*	-2.5*
White NH <sup>ef</sup>	1992-97	-2.4*	1997-02	-1.7*	2002-05	-4.1*	2005-10	-2.6*					-3.0*	-2.6*
Black	1992-02	-0.8*	2002-10	-2.6*									-2.4*	-2.6*
Black NH <sup>ef</sup>	1992-02	-0.7*	2002-10	-2.4*									-2.2*	-2.4*
API <sup>e</sup>	1992-10	-1.9*											-1.9*	-1.9*
AI/AN <sup>eg</sup>	1992-96	15.4	1996-10	-1.3									-1.3	-1.3
Hispanic <sup>f</sup>	1992-96	1.8*	1996-10	-1.2*									-1.2*	-1.2*

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.

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

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

#### Table 6.3 Cancer of the Colon and Rectum (Invasive)

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints, Females by Race/Ethnicity

See		JP Trend 1		JP Trend 2		JP Trend 3		JP Trend 4		JP Trend 5		JP Trend 6		AAI	∍C <sub>q</sub>
Name		Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
Name	SEER 9 Delay-Adjus	ted Incide	nceª, 197	75-2010											
Rack   1975-02   0.0   2002-10   2.5*	All Races	1975-85	0.3*	1985-95	-1.9*	1995-98	2.1	1998-10	-2.2*					-2.2*	-2.2*
SEER 13 Delay-Adjusted Incidence*   1992-95	White	1975-85	0.3	1985-95	-2.1*	1995-98	2.3	1998-10	-2.4*					-2.4*	-2.4*
Races	Black	1975-02	0.0	2002-10	-2.5*									-2.3*	-2.5*
Name	SEER 13 Delay-Adju	sted Incid	ence <sup>b</sup> , 19	992-2010											
Black   1992-01   0.4   2001-10   -1.9*   -1															
Refer   9 Observed   1975-85   0.3   1985-95   -1.9*   1995-98   1.8   1998-08   -2.0*   2008-10   -5.1*   -2.7*   -3.6*   -3.0*   -4.1*   -2.7*   -3.6*   -3.0*   -4.1*   -2.7*   -3.6*   -3.0*   -3.0*   -4.1*   -2.7*   -3.6*   -3.0*   -3.0*   -3.0*   -4.1*   -3.0*   -						1998-08	-2.1*	2008-10	-4.9*						
Races   1975-85   0.3   1985-95   -1.9*   1995-98   1.8   1998-08   -2.0*   2008-10   -5.1*   -2.7*   -3.6*	Black	1992-01	0.4	2001-10	-1.9*									-1.9*	-1.9*
White				-											
Black   1975-04   -0.1   2004-10   -3.7*     -2.5*   -3.7*     -2.5*   -3.7*															
All Races   1992-95   -1.8*   1995-98   1.8   1998-08   -2.0*   2008-10   -4.7*   -2.6*   -3.3*						1995-98	2.0	1998-08	-2.2*	2008-10	-6.0*				
All Races	Black	1975-04	-0.1	2004-10	-3.7*									-2.5*	-3.7*
White NHefe 1992-95 -1.7 1995-98 1.7 1995-98 1.9 1998-08 -2.1* 2008-10 -5.4*				_0											
White NHef       1992-95       -1.7       1995-98       1.9       1998-08       -2.2*       2008-10       -5.7*       -5.7*       -3.0*       -4.0*         Black       1992-02       0.2       2002-10       -2.3*       -2.2*       -2.1*       -2.3*         APIe       1992-10       -1.0*       -1.0*       -2.2*       -2.2*       -2.2*         APIe       1992-10       -0.5       -5.5       -6.5       -0.2       -0.2       -0.2       -0.2															
Black 1992-02 0.2 2002-10 -2.3* Black NH <sup>ef</sup> 1992-02 0.2 2002-10 -2.2* API <sup>e</sup> 1992-10 -1.0* AI/AN <sup>eg</sup> 1992-10 -0.5 Hispanic <sup>f</sup> 1992-07 0.1 2007-10 -3.6*  U.S. Cancer Mortality <sup>c</sup> , 1975-2010 All Races 1975-84 -1.0* 1975-84 -1.2* 1984-01 -2.0* 2001-10 -2.9* Black 1975-85 0.7* 1985-01 -0.7* 2001-10 -3.3*  U.S. Cancer Mortality <sup>c</sup> , 1992-2010 All Races 1992-01 -1.8* 2001-10 -2.9* Black 1975-85 0.7* 2001-10 -3.0* White 1992-01 -1.7* 2001-10 -3.0* White NH <sup>ef</sup> 1992-01 -1.8* 2001-10 -3.0* White NH <sup>ef</sup> 1992-01 -1.8* 2001-10 -3.0* Black 1992-01 -0.7* 2001-10 -3.0* White NH <sup>ef</sup> 1992-01 -0.6* 2001-10 -3.3* Black 1992-01 -0.6* 2001-10 -3.3* Black 1992-01 -0.6* 2001-10 -3.2* API <sup>e</sup> 1992-10 -0.6* 2001-10 -3.2* API <sup>e</sup> 1992-10 -1.6* AI/AN <sup>eg</sup> 1992-10 -0.6*															
Black NHef   1992-02   0.2   2002-10   -2.2*   -2.0*   -2.2*   APIe   1992-10   -1.0*   -1.0*   -1.0*   -1.0*   AI/ANeg   1992-10   -0.5   -0.5   -0.5   -0.5*   -0.						1998-08	-2.2*	2008-10	-5.7*						
API <sup>e</sup> 1992-10 -1.0*															
AI/ANeg 1992-10 -0.5 Hispanicf 1992-07 0.1 2007-10 -3.6*  U.S. Cancer Mortalityc, 1975-2010  All Races 1975-84 -1.0* 1984-01 -1.8* 2001-10 -2.9* White 1975-85 0.7* 1985-01 -0.7* 2001-10 -3.3*  Black 1975-85 0.7* 1985-01 -0.7* 2001-10 -3.3*  U.S. Cancer Mortalityc, 1992-2010  All Races 1992-01 -1.7* 2001-10 -3.0* White 1992-01 -1.8* 2001-10 -3.0* White 1992-01 -1.7* 2001-10 -3.0* White 1992-01 -1.7* 2001-10 -3.0* Black 1992-01 -0.7* 2001-10 -3.3*  Black 1992-01 -0.7* 2001-10 -3.3*  Black 1992-01 -0.7* 2001-10 -3.3*  Black NHef 1992-01 -0.6* 2001-10 -3.2* APTe 1992-10 -1.6*  AI/ANeg 1992-10 0.2  -0.5 -0.5  -0.5 -0.5 -0.5 -0.5 -0.5 -1.1* -2.6*				2002-10	-2.2*										
Hispanic 1992-07 0.1 2007-10 -3.6*  U.S. Cancer Mortality 1975-2010 All Races 1975-84 -1.0* 1984-01 -1.8* 2001-10 -2.9* White 1975-84 -1.2* 1984-01 -2.0* 2001-10 -2.9* Black 1975-85 0.7* 1985-01 -0.7* 2001-10 -3.3*  U.S. Cancer Mortality 1992-2010 All Races 1992-01 -1.7* 2001-10 -3.0* White 1992-01 -1.8* 2001-10 -3.0* White 1992-01 -1.8* 2001-10 -2.8* Black 1992-01 -0.7* 2001-10 -2.8* Black 1992-01 -0.7* 2001-10 -3.3*  Black NHef 1992-01 -0.6* 2001-10 -3.3*  API Page 1992-10 -1.6* AI/ANeg 1992-10 0.2  AI Page 1992-10 0.2  AI Page 1992-10 0.2  AI Page 1992-10 0.2															
U.S. Cancer Mortality <sup>c</sup> , 1975-2010 All Races 1975-84 -1.0* 1984-01 -1.8* 2001-10 -2.9* White 1975-84 -1.2* 1984-01 -2.0* 2001-10 -2.9* Black 1975-85 0.7* 1985-01 -0.7* 2001-10 -3.3*  U.S. Cancer Mortality <sup>c</sup> , 1992-2010 All Races 1992-01 -1.7* 2001-10 -3.0* White 1992-01 -1.8* 2001-10 -3.0* White NHef 1992-01 -1.7* 2001-10 -2.8* Black 1992-01 -0.7* 2001-10 -2.8* Black 1992-01 -0.6* 2001-10 -3.3* Black NHef 1992-01 -0.6* 2001-10 -3.2* API <sup>e</sup> 1992-10 -1.6* AI/AN <sup>eg</sup> 1992-10 0.2  U.S. Cancer Mortality <sup>c</sup> , 1992-2010 A.S. Cancer Mort	•														
All Races 1975-84 -1.0* 1984-01 -1.8* 2001-10 -2.9* White 1975-84 -1.2* 1984-01 -2.0* 2001-10 -2.9* Black 1975-85 0.7* 1985-01 -0.7* 2001-10 -3.3*  U.S. Cancer Mortalityc, 1992-2010 All Races 1992-01 -1.7* 2001-10 -3.0* White 1992-01 -1.8* 2001-10 -3.0* White NHef 1992-01 -1.7* 2001-10 -2.8* Black 1992-01 -0.7* 2001-10 -3.3*  Black NHef 1992-01 -0.6* 2001-10 -3.2*  APIe 1992-10 -1.6* AI/ANeg 1992-10 0.2  -2.9* -3.3* -3.0*	Hispanic <sup>†</sup>	1992-07	0.1	2007-10	-3.6*									-1.1*	-2.6*
White 1975-84 -1.2* 1984-01 -2.0* 2001-10 -2.9*	U.S. Cancer Mortal	ity <sup>c</sup> , 1975-	-2010												
Black 1975-85 0.7* 1985-01 -0.7* 2001-10 -3.3*  U.S. Cancer Mortality <sup>c</sup> , 1992-2010  All Races 1992-01 -1.7* 2001-10 -3.0*  White 1992-01 -1.8* 2001-10 -3.0*  White NH <sup>ef</sup> 1992-01 -1.7* 2001-10 -2.8*  Black 1992-01 -0.7* 2001-10 -3.3*  Black NH <sup>ef</sup> 1992-01 -0.6* 2001-10 -3.2*  API <sup>e</sup> 1992-10 -1.6*  AI/AN <sup>eg</sup> 1992-10 0.2  -3.3* -3.3*  -3.3*  -3.3*  -3.0*  -3	All Races	1975-84	-1.0*	1984-01	-1.8*	2001-10	-2.9*							-2.9*	-2.9*
U.S. Cancer Mortality <sup>c</sup> , 1992-2010 All Races 1992-01 -1.7* 2001-10 -3.0* White 1992-01 -1.8* 2001-10 -3.0* White NH <sup>ef</sup> 1992-01 -1.7* 2001-10 -2.8* Black 1992-01 -0.7* 2001-10 -3.3* Black NH <sup>ef</sup> 1992-01 -0.6* 2001-10 -3.2* API <sup>e</sup> 1992-10 -1.6* AI/AN <sup>eg</sup> 1992-10 0.2	White	1975-84	-1.2*	1984-01	-2.0*	2001-10	-2.9*							-2.9*	-2.9*
All Races 1992-01 -1.7* 2001-10 -3.0*  White 1992-01 -1.8* 2001-10 -3.0*  White NHef 1992-01 -1.7* 2001-10 -2.8*  Black 1992-01 -0.7* 2001-10 -3.3*  Black NHef 1992-01 -0.6* 2001-10 -3.2*  APIe 1992-10 -1.6*  AI/ANeg 1992-10 0.2  -3.0*  -3.	Black	1975-85	0.7*	1985-01	-0.7*	2001-10	-3.3*							-3.3*	-3.3*
White 1992-01 -1.8* 2001-10 -3.0* White NHef 1992-01 -1.7* 2001-10 -2.8* Black 1992-01 -0.7* 2001-10 -3.3* Black NHef 1992-01 -0.6* 2001-10 -3.2*  APIe 1992-10 -1.6* AI/ANeg 1992-10 0.2  -3.0* -3.0* -2.8* -2.8* -2.8* -3.3* -3.3* -3.3* -3.2* -3.2* -3.2* -1.6* -1.6* -1.6*	U.S. Cancer Mortal	ity <sup>c</sup> , 1992-	-2010												
White NHef       1992-01       -1.7*       2001-10       -2.8*         Black       1992-01       -0.7*       2001-10       -3.3*         Black NHef       1992-01       -0.6*       2001-10       -3.2*         APIe       1992-10       -1.6*       -1.6*         AI/ANeg       1992-10       0.2       0.2	All Races	1992-01	-1.7*	2001-10	-3.0*									-3.0*	-3.0*
Black 1992-01 -0.7* 2001-10 -3.3* -3.3* Black NH <sup>ef</sup> 1992-01 -0.6* 2001-10 -3.2* -3.2* API <sup>e</sup> 1992-10 -1.6* -1.6* AI/AN <sup>eg</sup> 1992-10 0.2 0.2	White	1992-01	-1.8*	2001-10	-3.0*									-3.0*	-3.0*
Black NH <sup>ef</sup> 1992-01 -0.6* 2001-10 -3.2* -3.2* API <sup>e</sup> 1992-10 -1.6* -1.6* -1.6* AI/AN <sup>eg</sup> 1992-10 0.2 0.2	White NH <sup>ef</sup>	1992-01	-1.7*	2001-10	-2.8*									-2.8*	-2.8*
API <sup>e</sup> 1992-10 -1.6* -1.6* -1.6* AI/AN <sup>eg</sup> 1992-10 0.2 0.2	Black	1992-01	-0.7*	2001-10	-3.3*									-3.3*	-3.3*
$AI/AN^{eg}$ 1992-10 0.2 0.2	Black NH <sup>ef</sup>	1992-01	-0.6*	2001-10	-3.2*									-3.2*	-3.2*
	API <sup>e</sup>	1992-10	-1.6*											-1.6*	-1.6*
Tilement of 1002.01 0.2 2001.10 2.1+	AI/AN <sup>eg</sup>	1992-10	0.2											0.2	0.2
Hispanic <sup>t</sup> 1992-01 0.3 2001-10 -2.1* -2.1*	$ exttt{Hispanic}^{ exttt{f}}$	1992-01	0.3	2001-10	-2.1*									-2.1*	-2.1*

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.

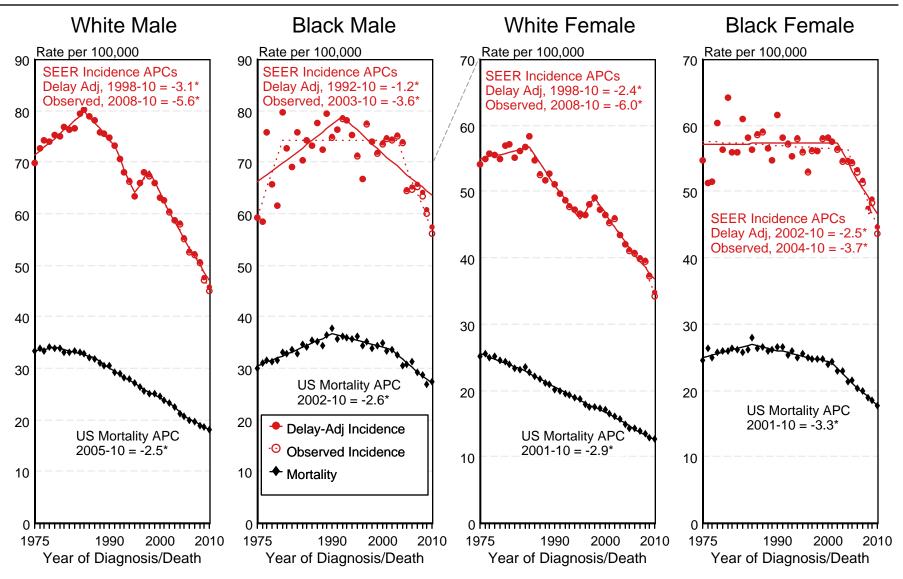
Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

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

<sup>-</sup> Joinpoint regression line analysis could not be performed on data series.

Figure 6.1

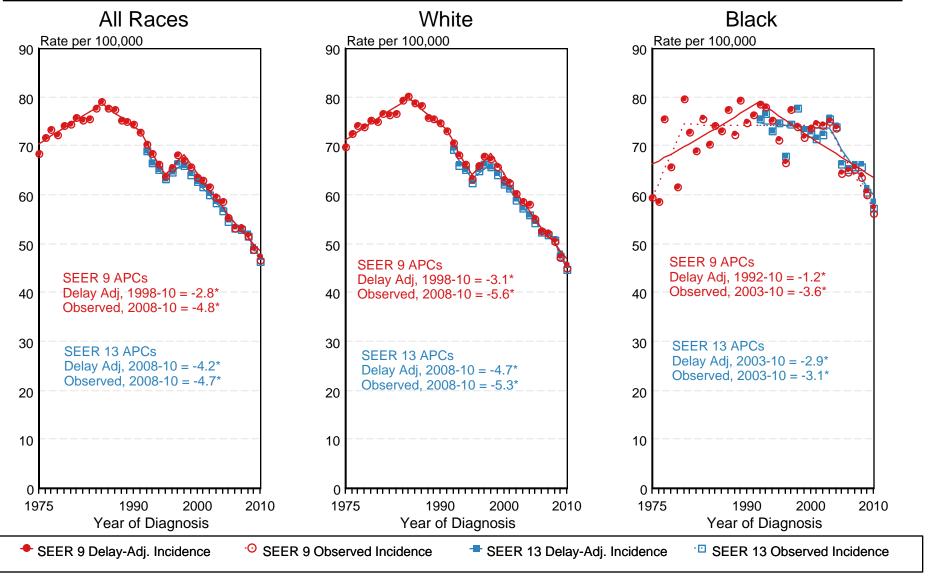
### SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates<sup>a</sup> Cancer of the Colon and Rectum, by Race and Sex



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 and APCs are calculated using the Joinpoint Regression Program Version 4.0.3, April 2013, 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).

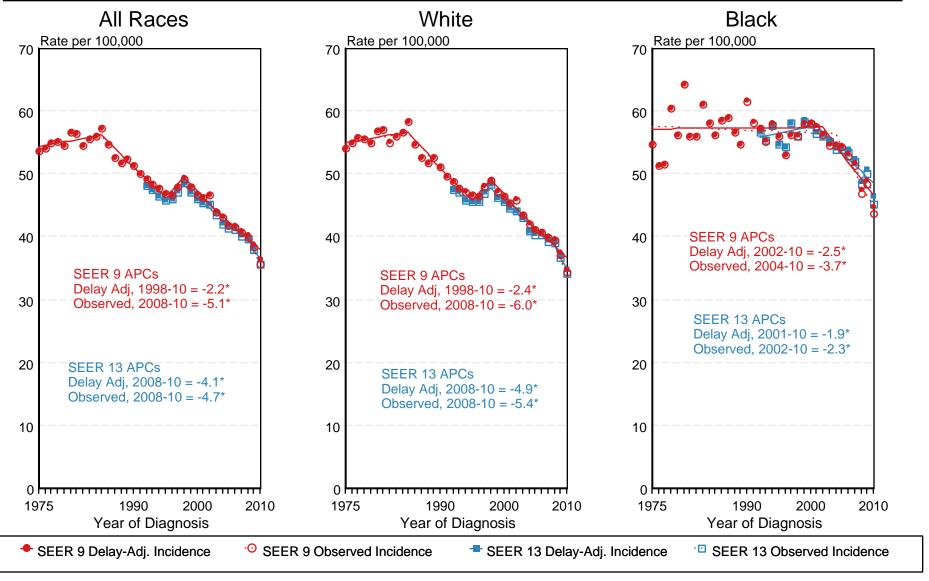
## SEER Observed Incidence and SEER Delay Adjusted Incidence Rates<sup>a</sup> SEER 9 Areas Compared to SEER 13 Areas Cancer of the Colon and Rectum, Male, by Race



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 4.0.3, April 2013, 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.

<sup>\*</sup> The APC is significantly different from zero (p < 0.05).

# SEER Observed Incidence and SEER Delay Adjusted Incidence Rates<sup>a</sup> SEER 9 Areas Compared to SEER 13 Areas Cancer of the Colon and Rectum, Female, by Race



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 4.0.3, April 2013, 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.

<sup>\*</sup> 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<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 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	nd 5	JP Tr	end 6	AAI	5C <sub>q</sub>
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adju	sted Incide	nce <sup>a</sup> , 19	75-2010											
All Races	1975-79	-5.9*	1979-88	-1.7*	1988-97	0.7*	1997-06	-0.4	2006-10	3.0*			1.1*	3.0*
White	1975-79	-6.1*	1979-88	-1.6*	1988-98	0.6*	1998-05	-0.8	2005-10	2.0*			0.8*	2.0*
Black	1975-93	-0.5	1993-10	2.3*									2.3*	2.3*
SEER 13 Delay-Adj	usted Incide	ence <sup>b</sup> , 19	992-2010											
All Races	1992-06	-0.2	2006-10	2.9*									1.2*	2.9*
White	1992-07	-0.2	2007-10	3.2*									0.9	2.4*
Black	1992-10	2.3*											2.3*	2.3*
SEER 9 Observed I		1975-2010	<u>0</u>											
All Races	1975-79	-6.0*	1979-88	-1.7*	1988-97	0.7*	1997-06	-0.4	2006-10	2.9*			1.1*	2.9*
White	1975-79	-6.1*	1979-88	-1.6*	1988-98	0.6*	1998-05	-0.8	2005-10	1.9*			0.7*	1.9*
Black	1975-93	-0.5	1993-10	2.2*									2.2*	2.2*
SEER 13 Observed	Incidence <sup>b</sup> ,	1992-20	10											
All Races	1992-06	-0.2	2006-10	2.8*									1.1*	2.8*
White	1992-98	0.6	1998-03	-1.5	2003-10	1.4*							0.7*	1.4*
White NH <sup>ef</sup>	1992-98	0.7	1998-04	-1.3*	2004-10	1.7*							0.7*	1.7*
Black	1992-10	2.2*											2.2*	2.2*
Black NH <sup>ef</sup>	1992-10	2.2*											2.2*	2.2*
API <sup>e</sup>	1992-07	1.1*	2007-10	5.7*									2.6*	4.5*
AI/AN <sup>eg</sup>	1992-10	3.4*											3.4*	3.4*
Hispanic <sup>f</sup>	1992-10	1.3*											1.3*	1.3*
U.S. Cancer Morta	lity <sup>c</sup> , 1975-	-2010												
All Races	1975-89	-1.6*	1989-97	-0.7*	1997-10	0.4*							0.4*	0.4*
White	1975-93	-1.6*	1993-10	0.2*									0.2*	0.2*
Black	1975-97	-0.8*	1997-10	0.7*									0.7*	0.7*
U.S. Cancer Morta	lity <sup>c</sup> , 1992-	-2010												
All Races	1992-08	0.1	2008-10	2.8									0.7	1.4
White	1992-10	0.1											0.1	0.1
White NH <sup>ef</sup>	1992-10	0.1											0.1	0.1
Black	1992-10	0.4*											0.4*	0.4*
Black NH <sup>ef</sup>	1992-10	0.3											0.3	0.3
API <sup>e</sup>	1992-10	1.7*											1.7*	1.7*
AI/AN <sup>eg</sup>	1992-10	-0.1											-0.1	-0.1
Hispanic <sup>f</sup>	1992-10	0.3											0.3	0.3

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).

<sup>-</sup> Joinpoint regression line analysis could not be performed on data series.

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

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints, Ages <50 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	AAI	o Cq
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adju	sted Inciden	ice <sup>a</sup> , 197	75-2010											
All Races	1975-88	-2.6*	1988-10	1.4*									1.4*	1.4*
White	1975-88	-2.6*	1988-10	1.1*									1.1*	1.1*
Black	1975-86	-4.0*	1986-10	2.4*									2.4*	2.4*
SEER 13 Delay-Adj	usted Incide	nce <sup>b</sup> , 19	992-2010											
All Races	1992-10	1.5*											1.5*	1.5*
White	1992-10	1.4*											1.4*	1.4*
Black	1992-10	1.9*											1.9*	1.9*
SEER 9 Observed I			<u>)</u>											
All Races	1975-88	-2.6*	1988-10	1.3*									1.3*	1.3*
White	1975-88	-2.6*	1988-10	1.0*									1.0*	1.0*
Black	1975-85	-5.1*	1985-10	2.4*									2.4*	2.4*
SEER 13 Observed	Incidence <sup>b</sup> , :	1992-201	_0											
All Races	1992-10	1.4*											1.4*	1.4*
White	1992-10	1.3*											1.3*	1.3*
White NH <sup>ef</sup>	1992-10	1.0*											1.0*	1.0*
Black	1992-10	1.9*											1.9*	1.9*
Black NH <sup>ef</sup>	1992-10	2.0*											2.0*	2.0*
API <sup>e</sup>	1992-10	1.0*											1.0*	1.0*
AI/AN <sup>eg</sup>	1992-10	2.3											2.3	2.3
Hispanic <sup>f</sup>	1992-10	2.2*											2.2*	2.2*
U.S. Cancer Morta	lity <sup>c</sup> , 1975-:	2010												
All Races	1975-84	-4.6*	1984-94	-1.5*	1994-10	1.6*							1.6*	1.6*
White	1975-88	-4.0*	1988-10	1.1*									1.1*	1.1*
Black	1975-95	-4.4*	1995-10	2.3*									2.3*	2.3*
U.S. Cancer Morta	lity <sup>c</sup> , 1992-:	2010												
All Races	1992-10	1.5*											1.5*	1.5*
White	1992-10	1.5*											1.5*	1.5*
White NH <sup>ef</sup>	1992-10	1.5*											1.5*	1.5*
Black	1992-10	1.6*											1.6*	1.6*
Black NH <sup>ef</sup>	1992-10	1.6*											1.6*	1.6*
API <sup>e</sup>	1992-10	1.1											1.1	1.1
AI/AN <sup>eg</sup>	_	_											_	_
Hispanic <sup>f</sup>	1992-98	-6.3	1998-10	3.1*									3.1*	3.1*

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.

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).

<sup>-</sup> Joinpoint regression line analysis could not be performed on data series.

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

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints, Ages 50+ by Race/Ethnicity

	JP Tre		JP Tre	end 2	JP Tre		JP Tre		JP Tre		JP Tr	end 6	AAI	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adju	sted Incide	nce <sup>a</sup> , 19'	75-2010											
All Races	1975-79	-6.2*	1979-88	-1.7*	1988-97	0.6*	1997-06	-0.7*	2006-10	3.0*			0.9*	3.0*
White	1975-79	-6.2*	1979-88	-1.7*	1988-98	0.7*	1998-05	-1.1*	2005-10	1.9*			0.5	1.9*
Black	1975-99	0.1	1999-10	3.1*									3.1*	3.1*
SEER 13 Delay-Adj	usted Incide	ence <sup>b</sup> , 19	992-2010											
All Races	1992-97	0.8	1997-05	-1.1*	2005-10	2.6*							1.0*	2.6*
White	1992-97	0.9	1997-04	-1.4*	2004-10	1.6*							0.6*	1.6*
Black	1992-10	2.3*											2.3*	2.3*
SEER 9 Observed I			_											
All Races	1975-79	-6.2*	1979-88	-1.7*	1988-97	0.6*	1997-06	-0.7*	2006-10	2.8*			0.9*	2.8*
White	1975-79	-6.2*	1979-88	-1.7*	1988-98	0.7*	1998-05	-1.1*	2005-10	1.7*			0.4	1.7*
Black	1975-99	0.1	1999-10	3.0*									3.0*	3.0*
SEER 13 Observed	Incidence <sup>b</sup> ,	1992-203	10											
All Races	1992-97	0.8	1997-05	-1.1*	2005-10	2.5*							0.9*	2.5*
White	1992-97	0.9	1997-04	-1.4*	2004-10	1.5*							0.5	1.5*
White NH <sup>ef</sup>	1992-97	1.1	1997-04	-1.4*	2004-10	1.5*							0.6	1.5*
Black	1992-10	2.2*											2.2*	2.2*
Black NH <sup>ef</sup>	1992-10	2.2*											2.2*	2.2*
API <sup>e</sup>	1992-06	1.0*	2006-10	5.4*									2.9*	5.4*
AI/AN <sup>eg</sup>	1992-10	3.8*											3.8*	3.8*
Hispanic <sup>f</sup>	1992-10	1.1*											1.1*	1.1*
U.S. Cancer Morta	lity <sup>c</sup> , 1975-	-2010												
All Races	1975-93	-1.4*	1993-08	0.0	2008-10	2.7							0.6	1.4
White	1975-93	-1.5*	1993-10	0.1									0.1	0.1
Black	1975-97	-0.6*	1997-10	0.6*									0.6*	0.6*
U.S. Cancer Morta	lity <sup>c</sup> , 1992-	-2010												
All Races	1992-08	0.0	2008-10	2.9									0.6	1.4
White	1992-10	0.0											0.0	0.0
White NH <sup>ef</sup>	1992-10	0.0											0.0	0.0
Black	1992-10	0.4*											0.4*	0.4*
Black NH <sup>ef</sup>	1992-10	0.2											0.2	0.2
API <sup>e</sup>	1992-10	1.8*											1.8*	1.8*
AI/AN <sup>eg</sup>	1992-10	0.4											0.4	0.4
Hispanic <sup>f</sup>	1992-10	0.2											0.2	0.2

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.

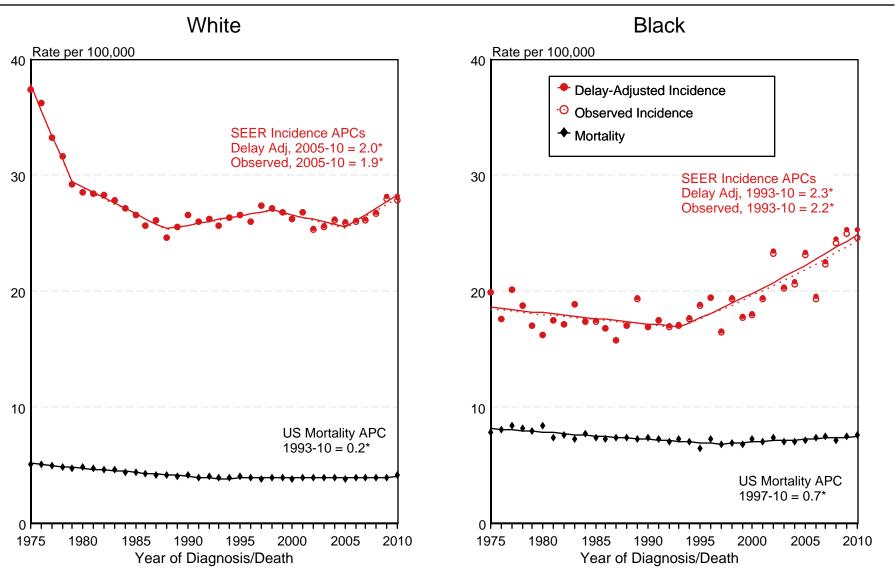
Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

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

<sup>-</sup> Joinpoint regression line analysis could not be performed on data series.

Figure 7.1

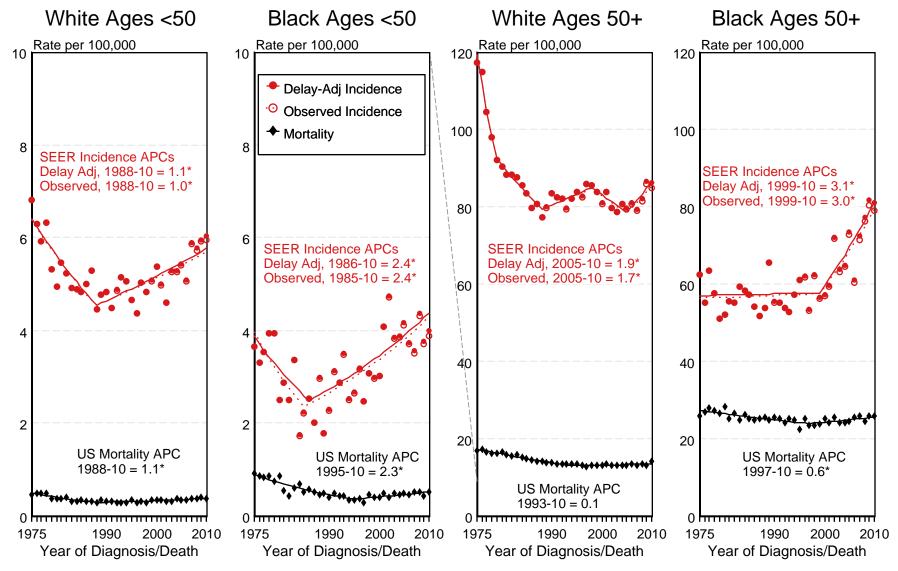
### SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates<sup>a</sup> Cancer of the Corpus and Uterus, NOS, by Race



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 4.0.3, April 2013, 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).

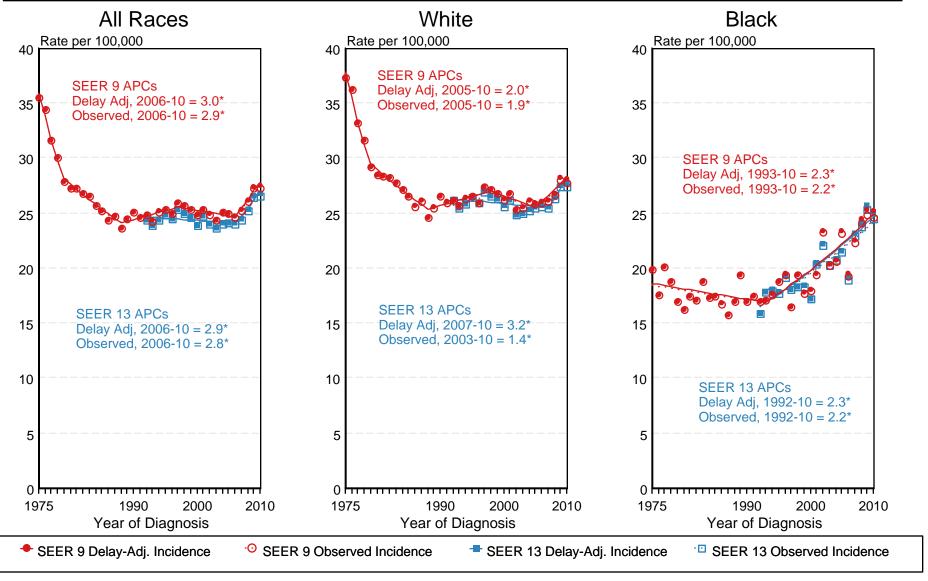
## SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates<sup>a</sup> Cancer of the Corpus and Uterus, NOS, by Age and Race



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 4.0.3, April 2013, 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<sup>a</sup> SEER 9 Areas Compared to SEER 13 Areas Cancer of the Corpus and Uterus, NOS, by Race



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 4.0.3, April 2013, 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.

<sup>\*</sup> The APC is significantly different from zero (p < 0.05).

### Table 8.1 Cancer of the Esophagus (Invasive)

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints, Both Sexes by Race/Ethnicity

	JP Tre	nd 1	JP Tre	end 2	JP Tr	end 3	JP Tre	end 4	JP Tr	end 5	JP Tr	end 6	AAI	. C <sub>q</sub>
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adjus	sted Inciden	ce <sup>a</sup> , 197	5-2010											
All Races	1975-04	0.6*	2004-10	-1.5*									-0.8	-1.5*
White	1975-04	1.4*	2004-10	-0.8									0.0	-0.8
Black	1975-86	1.1	1986-10	-4.4*									-4.4*	-4.4*
SEER 13 Delay-Adj	usted Incide	nce <sup>b</sup> , 19	92-2010											
All Races	1992-10	-0.2											-0.2	-0.2
White	1992-10	0.7*											0.7*	0.7*
Black	1992-10	-4.6*											-4.6*	-4.6*
SEER 9 Observed In	ncidenceª, 19	975-2010	<u>)</u>											
All Races	1975-04	0.6*	2004-10	-1.6*									-0.9*	-1.6*
White	1975-04	1.4*	2004-10	-0.9									-0.1	-0.9
Black	1975-86	1.1	1986-10	-4.4*									-4.4*	-4.4*
SEER 13 Observed	Incidence <sup>b</sup> , 1	1992-201	.0											
All Races	1992-10	-0.2											-0.2	-0.2
White	1992-10	0.6*											0.6*	0.6*
White NH <sup>ef</sup>	1992-04	1.7*	2004-10	-1.0									-0.1	-1.0
Black	1992-10	-4.5*											-4.5*	-4.5*
Black NH <sup>ef</sup>	1992-10	-4.5*											-4.5*	-4.5*
API <sup>e</sup>	1992-10	-1.4*											-1.4*	-1.4*
AI/AN <sup>eg</sup>	1992-10	-0.1											-0.1	-0.1
Hispanic <sup>f</sup>	1992-10	-1.2*											-1.2*	-1.2*
U.S. Cancer Morta	lity <sup>c</sup> , 1975-2	2010												
All Races	1975-02	0.7*	2002-10	-0.7*									-0.6*	-0.7*
White	1975-83	0.4*	1983-00	1.7*	2000-05	0.8*	2005-10	-0.5					0.1	-0.5
Black	1975-82	1.1*	1982-93	-1.6*	1993-10	-4.5*							-4.5*	-4.5*
U.S. Cancer Morta	lity <sup>c</sup> , 1992-2	2010												
All Races	1992-02	0.6*	2002-10	-0.7*									-0.5*	-0.7*
White	1992-02	1.6*	2002-10	-0.1									0.1	-0.1
White NH <sup>ef</sup>	1992-02	1.9*	2002-10	0.0									0.2	0.0
Black	1992-10	-4.4*											-4.4*	-4.4*
Black NH <sup>ef</sup>	1992-10	-4.3*											-4.3*	-4.3*
API <sup>e</sup>	1992-10	-1.9*											-1.9*	-1.9*
AI/AN <sup>eg</sup>	1992-04	4.1*	2004-10	-3.5									-1.0	-3.5
Hispanicf	1992-10	-0.7*											-0.7*	-0.7*

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 Pre 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.

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

<sup>-</sup> Joinpoint regression line analysis could not be performed on data series.

### Table 8.2 Cancer of the Esophagus (Invasive)

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints, Males by Race/Ethnicity

	JP Tre	end 1	JP Tre	end 2	JP Tr	end 3	JP Tre	end 4	JP Tr	end 5	JP Tr	end 6	AAI	o Cq
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adjus	sted Incider	nce <sup>a</sup> , 197	5-2010											
All Races	1975-04	0.8*	2004-10	-1.5									-0.7	-1.5
White	1975-04	1.7*	2004-10	-0.9									0.0	-0.9
Black	1975-86	1.0	1986-10	-4.7*									-4.7*	-4.7*
SEER 13 Delay-Adju	sted Incide	ence <sup>b</sup> , 19	92-2010											
All Races	1992-10	0.0											0.0	0.0
White	1992-10	0.9*											0.9*	0.9*
Black	1992-10	-4.9*											-4.9*	-4.9*
SEER 9 Observed In		975-2010												
All Races	1975-04	0.8*	2004-10	-1.6									-0.8	-1.6
White	1975-04	1.7*	2004-10	-1.0									-0.1	-1.0
Black	1975-86	1.1	1986-10	-4.8*									-4.8*	-4.8*
SEER 13 Observed 1	Incidence <sup>b</sup> ,	1992-201	.0											
All Races	1992-10	-0.1											-0.1	-0.1
White	1992-10	0.8*											0.8*	0.8*
White NH <sup>ef</sup>	1992-04	1.9*	2004-10	-0.9									0.0	-0.9
Black	1992-10	-4.8*											-4.8*	-4.8*
Black NH <sup>ef</sup>	1992-10	-4.8*											-4.8*	-4.8*
API <sup>e</sup>	1992-10	-1.8*											-1.8*	-1.8*
AI/AN <sup>eg</sup>	1992-10	-2.1											-2.1	-2.1
Hispanic <sup>f</sup>	1992-10	-1.2*											-1.2*	-1.2*
U.S. Cancer Morta	lity <sup>c</sup> , 1975-	2010												
All Races	1975-85	0.7*	1985-94	1.2*	1994-05	0.4*	2005-10	-1.1*					-0.4*	-1.1*
White	1975-82	0.3	1982-99	1.9*	1999-05	1.1*	2005-10	-0.6*					0.1	-0.6*
Black	1975-84	0.8*	1984-93	-1.9*	1993-10	-4.6*							-4.6*	-4.6*
U.S. Cancer Mortal	lity <sup>c</sup> , 1992-	2010												
All Races	1992-05	0.5*	2005-10	-1.2*									-0.4*	-1.2*
White	1992-05	1.4*	2005-10	-0.8*									0.2	-0.8*
White NH <sup>ef</sup>	1992-02	2.0*	2002-10	0.1									0.3	0.1
Black	1992-10	-4.5*											-4.5*	-4.5*
Black NH <sup>ef</sup>	1992-10	-4.4*											-4.4*	-4.4*
API <sup>e</sup>	1992-10	-2.0*											-2.0*	-2.0*
AI/AN <sup>eg</sup>	1992-10	1.1											1.1	1.1
Hispanic <sup>f</sup>	1992-10	-0.8*											-0.8*	-0.8*

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.

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

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

### Table 8.3 Cancer of the Esophagus (Invasive)

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints, Females 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	AAI	C <sub>q</sub>
	Years APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adju	sted Incidencea,	1975-2010											
All Races	1975-10 -0.4											-0.4*	-0.4*
White	1975-10 0.0											0.0	0.0
Black	1975-80 9.7	* 1980-10	-2.7*									-2.7*	-2.7*
SEER 13 Delay-Adj	usted Incidenceb,	1992-2010											
All Races	1992-10 -1.0	*										-1.0*	-1.0*
White	1992-10 -0.4											-0.4	-0.4
Black	1992-10 -3.7	*										-3.7*	-3.7*
SEER 9 Observed I													
All Races	1975-10 -0.4	*										-0.4*	-0.4*
White	1975-10 0.0											0.0	0.0
Black	1975-80 10.6	1980-10	-2.8*									-2.8*	-2.8*
SEER 13 Observed													
All Races	1992-10 -1.1	*										-1.1*	-1.1*
White	1992-10 -0.5											-0.5	-0.5
White NH <sup>ef</sup>	1992-10 -0.3											-0.3	-0.3
Black	1992-10 -3.9											-3.9*	-3.9*
Black NH <sup>ef</sup>	1992-10 -3.9	*										-3.9*	-3.9*
API <sup>e</sup>	1992-10 0.5											0.5	0.5
AI/AN <sup>eg</sup>												-	-
Hispanic <sup>f</sup>	1992-10 -1.9											-1.9	-1.9
U.S. Cancer Morta													
All Races	1975-00 0.1											-1.5*	-1.5*
White	1975-01 0.4											-0.8*	-0.8*
Black	1975-92 -0.2	1992-10	-4.1*									-4.1*	-4.1*
U.S. Cancer Morta													
All Races	1992-00 0.1											-1.5*	-1.5*
White	1992-00 0.9											-0.8*	-0.8*
White NH <sup>ef</sup>	1992-00 1.2		-0.7*									-0.7*	-0.7*
Black	1992-10 -4.1											-4.1*	-4.1*
Black NH <sup>ef</sup>	1992-10 -3.9	*										-3.9*	-3.9*
API <sup>e</sup>	1992-10 -1.0											-1.0	-1.0
AI/AN <sup>eg</sup>	1992-10 2.8											2.8	2.8
Hispanic <sup>f</sup>	1992-96 9.9	* 1996-10	-2.2*									-2.2*	-2.2*

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.

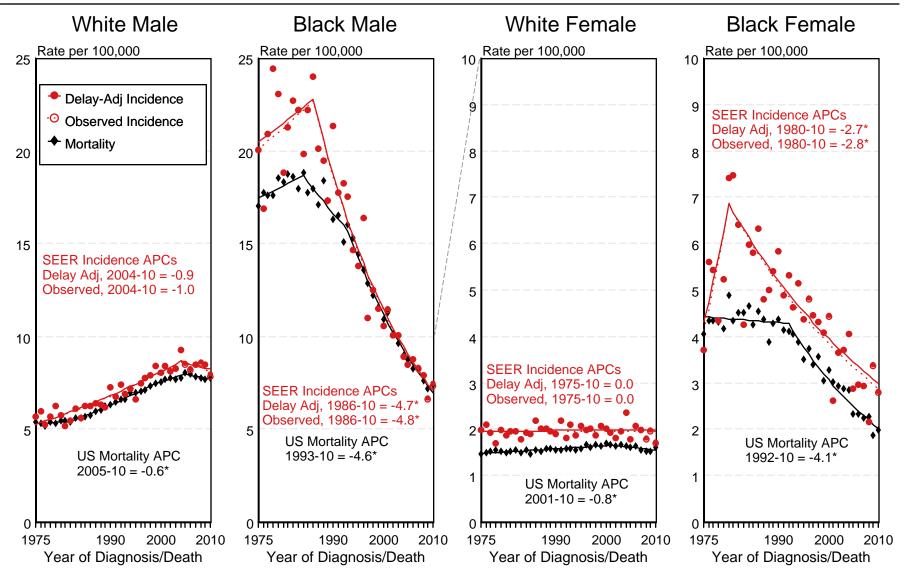
Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

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

<sup>-</sup> Joinpoint regression line analysis could not be performed on data series.

Figure 8.1

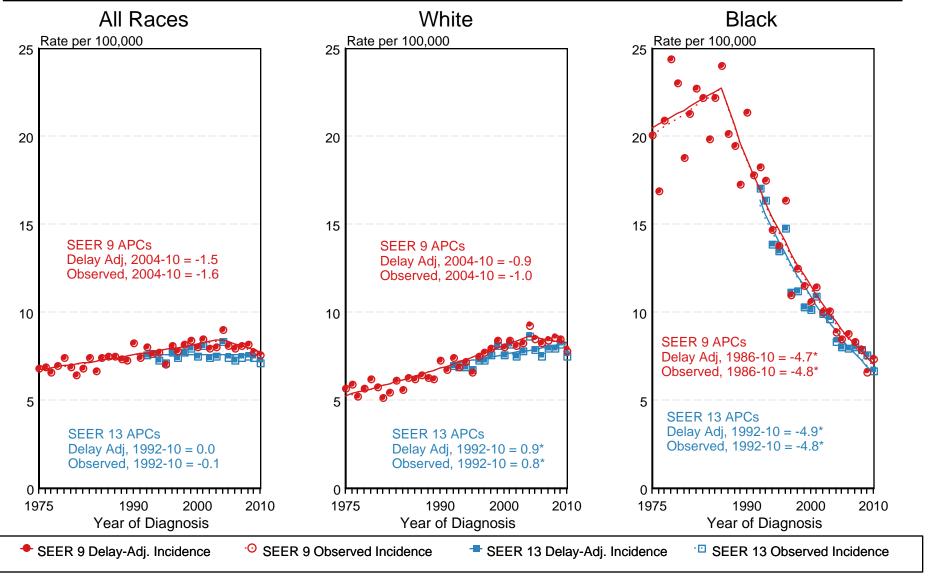
### SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates<sup>a</sup> Cancer of the Esophagus, by Race and Sex



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 and APCs are calculated using the Joinpoint Regression Program Version 4.0.3, April 2013, 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).

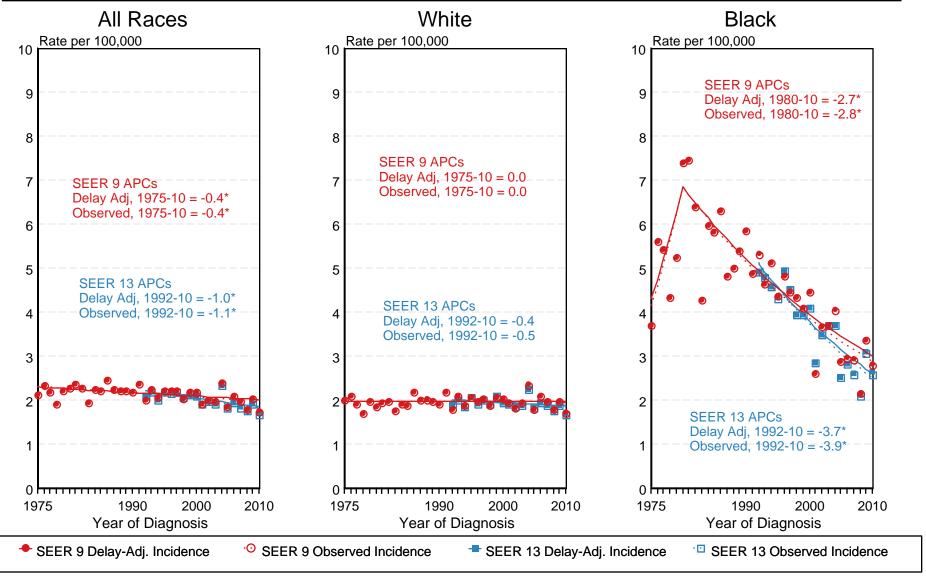
# SEER Observed Incidence and SEER Delay Adjusted Incidence Rates<sup>a</sup> SEER 9 Areas Compared to SEER 13 Areas Cancer of the Esophagus, Male, by Race



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 4.0.3, April 2013, 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.

<sup>\*</sup> The APC is significantly different from zero (p < 0.05).

### SEER Observed Incidence and SEER Delay Adjusted Incidence Rates<sup>a</sup> SEER 9 Areas Compared to SEER 13 Areas Cancer of the Esophagus, Female, by Race



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 4.0.3, April 2013, 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.

<sup>\*</sup> The APC is significantly different from zero (p < 0.05).

### Table 9.1 Hodgkin Lymphoma

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints, Both Sexes 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	AAI	PC <sup>d</sup>
	Years AP	C Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adju	sted Incidencea,	1975-2010											
All Races	1975-03 -0.		2.9	2007-10	-3.6							0.0	-2.1
White	1975-10 0.	0										0.0	0.0
Black	1975-10 1.	O *										1.0*	1.0*
SEER 13 Delay-Adj	usted Incidenceb	, 1992-2010											
All Races	1992-01 -0.	2 2001-07	1.6*	2007-10	-2.5							0.2	-1.5
White	1992-10 0.	3										0.3	0.3
Black	1992-10 1.	O *										1.0*	1.0*
SEER 9 Observed I													
All Races	1975-89 0.		-0.9*	2001-07	2.4*	2007-10	-3.9					0.2	-2.4
White	1975-10 0.											0.0	0.0
Black	1975-10 1.	1*										1.1*	1.1*
SEER 13 Observed		-2010											
All Races	1992-01 -0.		1.5*	2007-10								0.0	-1.8
White	1992-02 -0.		1.7	2007-10	-3.1							-0.1	-1.9
White NH <sup>ef</sup>	1992-04 0.		3.3	2007-10	-4.9*							-0.5	-2.9*
Black	1992-10 1.											1.0*	1.0*
Black NH <sup>ef</sup>	1992-10 1.											1.1*	1.1*
API <sup>e</sup>	1992-10 2.	2*										2.2*	2.2*
AI/AN <sup>eg</sup>												-	-
Hispanic <sup>f</sup>	1992-10 0.	4										0.4	0.4
U.S. Cancer Morta													
All Races	1975-79 -6.			1998-10								-2.2*	-2.2*
White	1975-79 -6.		-3.6*	1998-10	-2.1*							-2.1*	-2.1*
Black	1975-10 -2.	9*										-2.9*	-2.9*
U.S. Cancer Morta													
All Races	1992-94 -7.											-2.4*	-2.4*
White	1992-94 -8.		-2.2*									-2.2*	-2.2*
White NH <sup>ef</sup>	1992-10 -2.											-2.4*	-2.4*
Black	1992-10 -3.											-3.0*	-3.0*
Black NH <sup>ef</sup>	1992-10 -2.											-2.5*	-2.5*
API <sup>e</sup>	1992-10 -1.	3										-1.3	-1.3
AI/AN <sup>eg</sup>	1992-10 0.											0.9	0.9
Hispanic <sup>f</sup>	1992-10 -2.	8*										-2.8*	-2.8*

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.

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

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

### Table 9.2 Hodgkin Lymphoma

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints, Males 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	AAI	PC <sup>d</sup>
	Years APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adju	sted Incidencea, 1	975-2010											
All Races	1975-01 -0.6*	2001-10	1.1									1.1	1.1
White	1975-10 -0.3*											-0.3*	-0.3*
Black	1975-10 -0.1											-0.1	-0.1
SEER 13 Delay-Ad	justed Incidence <sup>b</sup> ,	1992-2010											
All Races	1992-10 0.4*											0.4*	0.4*
White	1992-10 0.3											0.3	0.3
Black	1992-10 1.2*											1.2*	1.2*
	Incidence <sup>a</sup> , 1975-20												
All Races	1975-01 -0.7*	2001-10	1.0									1.0	1.0
White	1975-10 -0.4*											-0.4*	-0.4*
Black	1975-10 0.5											0.5	0.5
	Incidence <sup>b</sup> , 1992-2	010											
All Races	1992-10 0.3											0.3	0.3
White	1992-10 0.3											0.3	0.3
White NH <sup>ef</sup>	1992-10 0.5											0.5	0.5
Black	1992-10 1.2*											1.2*	1.2*
Black NH <sup>ef</sup>	1992-10 1.3*											1.3*	1.3*
API <sup>e</sup>	1992-10 1.6											1.6	1.6
AI/AN <sup>eg</sup>												-	-
Hispanic <sup>f</sup>	1992-10 0.1											0.1	0.1
U.S. Cancer Morta													
All Races	1975-97 -4.0*	1997-10										-2.2*	-2.2*
White	1975-97 -4.1*	1997-10	-2.0*									-2.0*	-2.0*
Black	1975-10 -3.3*											-3.3*	-3.3*
U.S. Cancer Morta													
All Races	1992-94 -11.0	1994-10										-2.2*	-2.2*
White	1992-94 -11.4	1994-10	-2.0*									-2.0*	-2.0*
White NH <sup>ef</sup>	1992-10 -2.4*											-2.4*	-2.4*
Black	1992-10 -3.6*											-3.6*	-3.6*
Black NH <sup>ef</sup>	1992-10 -3.1*											-3.1*	-3.1*
API <sup>e</sup>	1992-10 -2.8											-2.8	-2.8
AI/AN <sup>eg</sup>												_	_
Hispanic <sup>f</sup>	1992-10 -2.9*											-2.9*	-2.9*

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.

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

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

### Table 9.3 Hodgkin Lymphoma

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints, Females by Race/Ethnicity

	JP Trend	1 1	JP Tre	end 2	JP Tr	end 3	JP Tr	end 4	JP Tr	end 5	JP Tr	end 6	AAI	o Cq
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adj	usted Incidence	e <sup>a</sup> , 1975	5-2010											
All Races		0.4*											0.4*	0.4*
White	1975-10	0.3*											0.3*	0.3*
Black	1975-10	1.9*											1.9*	1.9*
SEER 13 Delay-Ad	justed Incidenc	ce <sup>b</sup> , 199	2-2010											
All Races		0.2											0.2	0.2
White		0.2											0.2	0.2
Black	1992-10	0.6											0.6	0.6
SEER 9 Observed														
All Races	1975-10	0.3*											0.3*	0.3*
White		0.3*											0.3*	0.3*
Black	1975-10	2.0*											2.0*	2.0*
SEER 13 Observed	Incidence <sup>b</sup> , 19	92-2010	<u>)</u>											
All Races		0.1											0.1	0.1
White		0.1											0.1	0.1
White NH <sup>ef</sup>		0.2											0.2	0.2
Black		0.7											0.7	0.7
Black NH <sup>ef</sup>		0.8											0.8	0.8
API <sup>e</sup>	1992-10	3.1*											3.1*	3.1*
AI/AN <sup>eg</sup>		-											-	-
Hispanic <sup>f</sup>	1992-10	0.7											0.7	0.7
U.S. Cancer Morta														
All Races		-4.9*	1985-10										-2.6*	-2.6*
White		-5.0*	1985-10	-2.5*									-2.5*	-2.5*
Black	1975-10 -	-2.5*											-2.5*	-2.5*
U.S. Cancer Morta														
All Races		-2.6*											-2.6*	-2.6*
White		-2.5*											-2.5*	-2.5*
White NH <sup>ef</sup>		-2.4*											-2.4*	-2.4*
Black		-2.4*											-2.4*	-2.4*
Black NH <sup>ef</sup>	1992-10 -	-1.9*											-1.9*	-1.9*
API <sup>e</sup>	=	_											-	-
AI/AN <sup>eg</sup>	-	-											-	-
Hispanic <sup>f</sup>	1992-10 -	-2.7*											-2.7*	-2.7*

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.

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

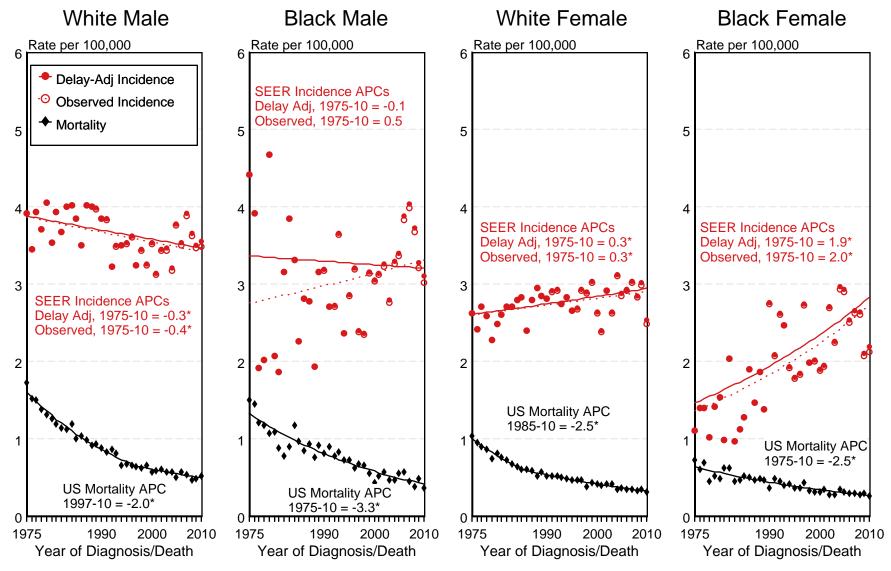
Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, SC, OK and VT.

The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, SC, OK and V Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

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

<sup>-</sup> Joinpoint regression line analysis could not be performed on data series.

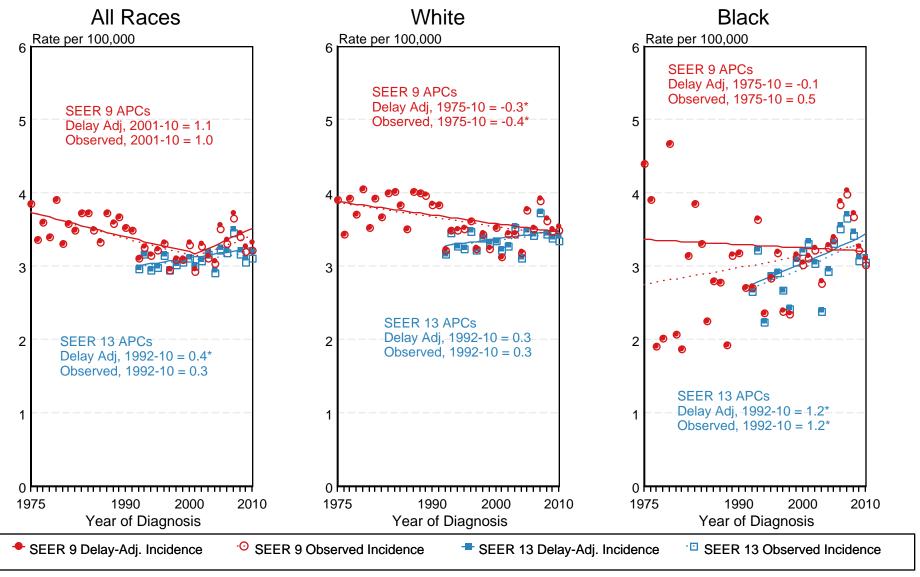
## SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates<sup>a</sup> Hodgkin Lymphoma, by Race and Sex



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 and APCs are calculated using the Joinpoint Regression Program Version 4.0.3, April 2013, 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).

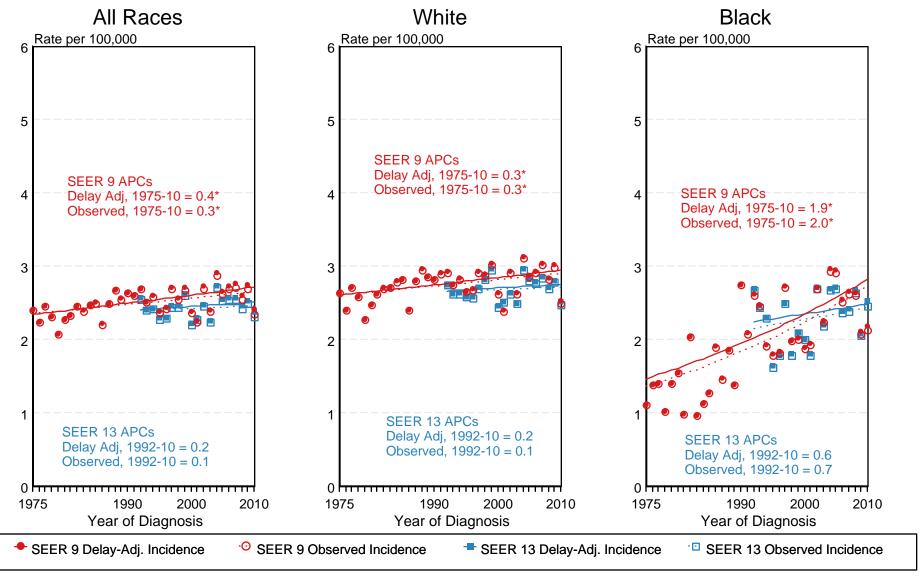
### SEER Observed Incidence and SEER Delay Adjusted Incidence Rates<sup>a</sup> SEER 9 Areas Compared to SEER 13 Areas Hodgkin Lymphoma, Male, by Race



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 4.0.3, April 2013, 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.

<sup>\*</sup> The APC is significantly different from zero (p < 0.05).

# SEER Observed Incidence and SEER Delay Adjusted Incidence Rates<sup>a</sup> SEER 9 Areas Compared to SEER 13 Areas Hodgkin Lymphoma, Female, by Race



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 4.0.3, April 2013, 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.

<sup>\*</sup> The APC is significantly different from zero (p < 0.05).

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

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints, Both Sexes by Race/Ethnicity

	JP Tre	nd 1	JP Tre	end 2	JP Tre	end 3	JP Tr	end 4	JP Tr	end 5	JP Tr	end 6	AAI	PC <sup>d</sup>
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adjust	ed Incider	nce <sup>a</sup> , 197	75-2010											
All Races	1975-94	2.3*	1994-97	-0.6	1997-08	3.3*	2008-10	-2.4					2.0*	0.4
White	1975-92	2.3*	1992-97	0.4	1997-08	3.3*	2008-10	-2.7					1.9*	0.3
Black	1975-10	3.0*											3.0*	3.0*
SEER 13 Delay-Adjus	sted Incide	ence <sup>b</sup> , 19	992-2010											
All Races	1992-97	1.1*	1997-05	2.7*	2005-08	4.8*	2008-10	-2.8					2.1*	0.9
White	1992-97	0.8	1997-08	3.3*	2008-10	-2.0							2.1*	0.6
Black	1992-10	3.0*											3.0*	3.0*
SEER 9 Observed Inc	cidenceª, 1	975-2010	<u>)</u>											
All Races	1975-94	2.3*	1994-97	-0.6	1997-08	3.2*	2008-10						1.7*	-0.2
White	1975-91	2.4*	1991-97	0.6	1997-08	3.1*	2008-10	-3.8					1.5*	-0.4
Black	1975-10	2.9*											2.9*	2.9*
SEER 13 Observed In	ncidence <sup>b</sup> ,	1992-201	<u>LO</u>											
All Races	1992-97	1.1*	1997-05	2.7*	2005-08	4.6*	2008-10	-3.7*					1.9*	0.4
White	1992-97	0.9	1997-08	3.1*	2008-10	-3.0							1.7*	0.0
White NH <sup>ef</sup>	1992-97	0.8	1997-08	3.0*	2008-10	-2.5							1.8*	0.2
Black	1992-10	2.8*											2.8*	2.8*
Black NH <sup>ef</sup>	1992-10	2.8*											2.8*	2.8*
API <sup>e</sup>	1992-10	2.7*											2.7*	2.7*
AI/AN <sup>eg</sup>	1992-10	1.7*											1.7*	1.7*
Hispanic <sup>f</sup>	1992-08	3.2*	2008-10	-5.1									1.3	-1.0
U.S. Cancer Mortali	ty <sup>c</sup> , 1975-	2010												
All Races	1975-94	1.0*	1994-10										-0.6*	-0.6*
White	1975-94	1.0*	1994-10	-0.5*									-0.5*	-0.5*
Black	1975-91	2.8*	1991-10	-0.5*									-0.5*	-0.5*
U.S. Cancer Mortali	ty <sup>c</sup> , 1992-	2010												
All Races	1992-02	-0.1	2002-10	-0.9*									-0.9*	-0.9*
White	1992-10	-0.4*											-0.4*	-0.4*
White NH <sup>ef</sup>	1992-02	0.0	2002-10	-0.9*									-0.8*	-0.9*
Black	1992-10	-0.5*											-0.5*	-0.5*
Black NH <sup>ef</sup>	1992-01	0.3	2001-10	-1.2*									-1.2*	-1.2*
API <sup>e</sup>	1992-10	0.4											0.4	0.4
AI/AN <sup>eg</sup>	1992-10	0.4											0.4	0.4
Hispanic <sup>f</sup>	1992-10	0.0											0.0	0.0

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.

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

<sup>-</sup> Joinpoint regression line analysis could not be performed on data series.

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

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 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 Tr	end 5	JP Tr	end 6	AAI	o Cq
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adjus	sted Incider	nce <sup>a</sup> , 197	75-2010											
All Races	1975-04	1.8*	2004-08	4.5*	2008-10	-2.1							2.1*	1.1
White	1975-89	2.1*	1989-97	0.9	1997-10	2.5*							2.5*	2.5*
Black	1975-10	3.1*											3.1*	3.1*
SEER 13 Delay-Adju	usted Incide	ence <sup>b</sup> , 19	992-2010											
All Races	1992-04	1.9*	2004-08	4.7*	2008-10	-2.0							2.2*	1.3
White	1992-97	0.8	1997-08	3.0*	2008-10	-1.3							2.0*	0.9
Black	1992-10	3.1*											3.1*	3.1*
SEER 9 Observed In	ncidenceª, 1	975-2010	<u>)</u>											
All Races	1975-04	1.8*	2004-08	4.2*	2008-10	-3.0							1.8	0.5
White	1975-89	2.2*	1989-97	0.7	1997-08	2.7*	2008-10	-2.4					1.6*	0.2
Black	1975-10	3.0*											3.0*	3.0*
SEER 13 Observed 1	Incidence <sup>b</sup> ,	1992-201	<u>LO</u>											
All Races	1992-04	1.9*	2004-08	4.5*	2008-10	-2.8							1.9*	0.8
White	1992-97	0.8	1997-08	2.9*	2008-10	-2.2							1.7*	0.3
White NH <sup>ef</sup>	1992-10	2.2*											2.2*	2.2*
Black	1992-10	2.9*											2.9*	2.9*
Black NH <sup>ef</sup>	1992-10	3.0*											3.0*	3.0*
API <sup>e</sup>	1992-10	2.5*											2.5*	2.5*
AI/AN <sup>eg</sup>	1992-10	1.5											1.5	1.5
Hispanic <sup>f</sup>	1992-10	2.6*											2.6*	2.6*
U.S. Cancer Mortal	lity <sup>c</sup> , 1975-	2010												
All Races	1975-91	1.1*	1991-01	-0.1	2001-10	-0.9*							-0.9*	-0.9*
White	1975-91	1.0*	1991-02	-0.1	2002-10	-0.9*							-0.8*	-0.9*
Black	1975-91	3.1*	1991-10	-0.6*									-0.6*	-0.6*
U.S. Cancer Mortal	lity <sup>c</sup> , 1992-	2010												
All Races	1992-10	-0.5*											-0.5*	-0.5*
White	1992-02	-0.1	2002-10	-0.9*									-0.8*	-0.9*
White NH <sup>ef</sup>	1992-02	0.0	2002-10	-1.0*									-0.9*	-1.0*
Black	1992-10	-0.6*											-0.6*	-0.6*
Black NH <sup>ef</sup>	1992-10	-0.6*											-0.6*	-0.6*
API <sup>e</sup>	1992-10	0.7											0.7	0.7
AI/AN <sup>eg</sup>	1992-10	0.4											0.4	0.4
Hispanic <sup>f</sup>	1992-10	-0.1											-0.1	-0.1

Joinpoint Regression Program Version 4.0.3, April 2013, National Cancer Institute. (<a href="http://surveillance.cancer.gov/joinpoint/">http://surveillance.cancer.gov/joinpoint/</a>). 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.

e 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.

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.

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

<sup>-</sup> Joinpoint regression line analysis could not be performed on data series.

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

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 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 Tr		JP Tr	end 6	AAI	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adju	sted Incider	nce <sup>a</sup> , 197	75-2010											
All Races	1975-93	2.6*	1993-99	0.9	1999-08	3.8*	2008-10	-5.5					1.7	-1.0
White	1975-92	2.8*	1992-99	0.8	1999-07	4.2*	2007-10	-2.8					1.8*	-1.1
Black	1975-10	2.8*											2.8*	2.8*
SEER 13 Delay-Adj	usted Incide	ence <sup>b</sup> , 19	992-2010											
All Races	1992-00	1.6*	2000-08	3.6*	2008-10	-4.0							1.9*	-0.2
White	1992-97	0.6	1997-08	3.4*	2008-10	-3.6							1.8*	-0.2
Black	1992-10	2.6*											2.6*	2.6*
SEER 9 Observed I			-											
All Races	1975-94	2.7*	1994-97	-0.9	1997-08	3.4*	2008-10						1.2	-1.5
White	1975-92	2.8*	1992-99	0.8	1999-07	4.1*	2007-10	-3.6					1.4	-1.7
Black	1975-10	2.8*											2.8*	2.8*
SEER 13 Observed														
All Races	1992-99	1.4*	1999-08	3.4*	2008-10	-4.7							1.5*	-0.7
White	1992-97	0.7	1997-08	3.2*	2008-10	-4.6							1.5	-0.7
White NH <sup>ef</sup>	1992-97	0.2	1997-08	3.2*	2008-10	-5.2							1.3	-1.1
Black	1992-10	2.5*											2.5*	2.5*
Black NH <sup>ef</sup>	1992-10	2.6*											2.6*	2.6*
API <sup>e</sup>	1992-10	3.1*											3.1*	3.1*
AI/AN <sup>eg</sup>	1992-10	2.0											2.0	2.0
Hispanic <sup>f</sup>	1992-10	2.7*											2.7*	2.7*
U.S. Cancer Morta	lity <sup>c</sup> , 1975-	2010												
All Races	1975-94	1.1*	1994-10	-0.9*									-0.9*	-0.9*
White	1975-94	1.1*	1994-10	-0.8*									-0.8*	-0.8*
Black	1975-94	2.4*	1994-10	-0.8*									-0.8*	-0.8*
U.S. Cancer Morta														
All Races	1992-10	-0.7*											-0.7*	-0.7*
White	1992-10	-0.7*											-0.7*	-0.7*
White NH <sup>ef</sup>	1992-10	-0.6*											-0.6*	-0.6*
Black	1992-10	-0.5*											-0.5*	-0.5*
Black NH <sup>ef</sup>	1992-10	-0.5											-0.5	-0.5
API <sup>e</sup>	1992-10	-0.1											-0.1	-0.1
AI/AN <sup>eg</sup>	1992-10	-0.3											-0.3	-0.3
Hispanic <sup>f</sup>	1992-10	0.0											0.0	0.0

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

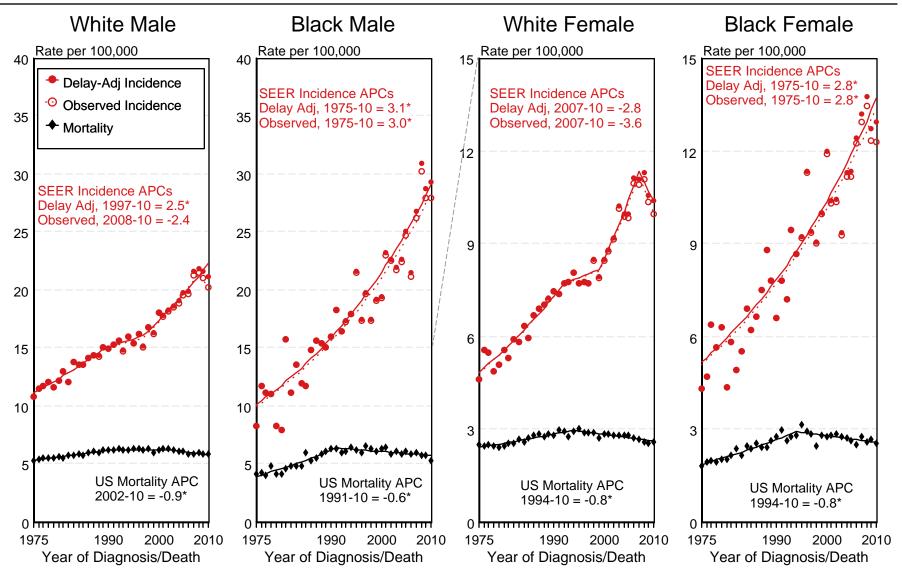
Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, SC, OK and VT.

The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, SC, OK and V Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

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

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

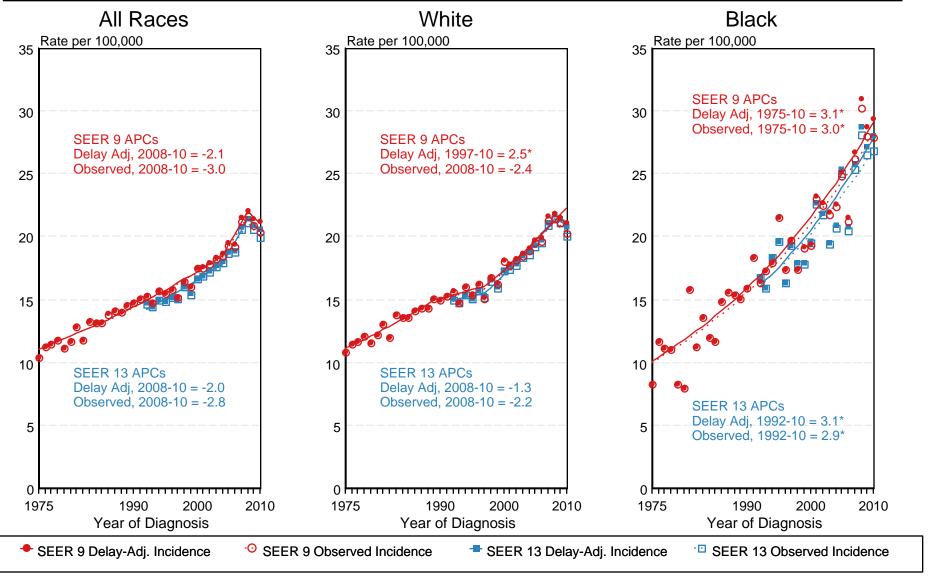
### SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates<sup>a</sup> Cancer of the Kidney and Renal Pelvis, by Race and Sex



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 and APCs are calculated using the Joinpoint Regression Program Version 4.0.3, April 2013, 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).

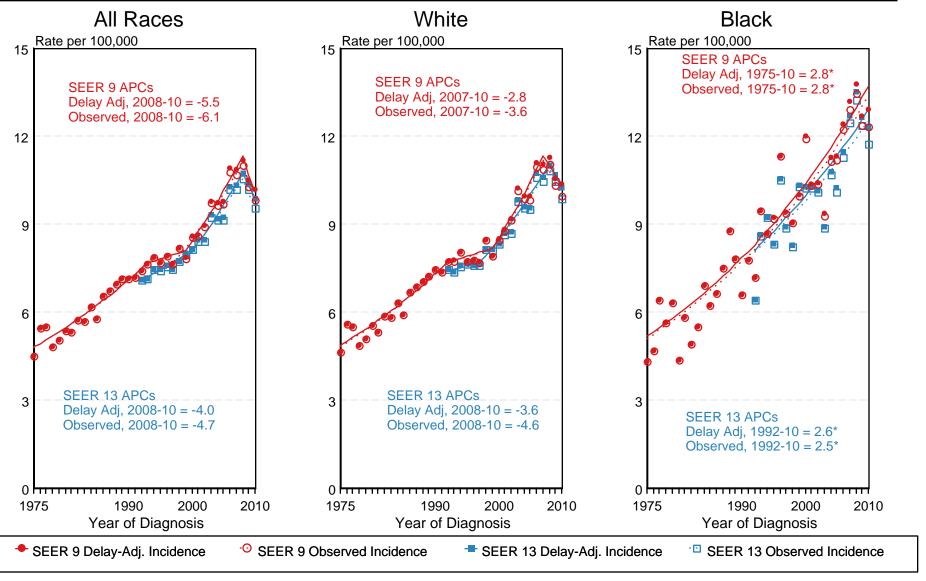
# SEER Observed Incidence and SEER Delay Adjusted Incidence Rates<sup>a</sup> SEER 9 Areas Compared to SEER 13 Areas Cancer of the Kidney and Renal Pelvis, Male, by Race



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 4.0.3, April 2013, 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.

<sup>\*</sup> The APC is significantly different from zero (p < 0.05).

## SEER Observed Incidence and SEER Delay Adjusted Incidence Rates<sup>a</sup> SEER 9 Areas Compared to SEER 13 Areas Cancer of the Kidney and Renal Pelvis, Female, by Race



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 4.0.3, April 2013, 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.

<sup>\*</sup> The APC is significantly different from zero (p < 0.05).

### Table 12.1 Cancer of the Larynx (Invasive)

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints, Both Sexes by Race/Ethnicity

	JP Tre	JP Trend 1		end 2	JP Tr	end 3	JP Tr	end 4	JP Tr	end 5	JP Tr	end 6	AAI	AAPC <sup>d</sup>	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10		
SEER 9 Delay-Adjus															
All Races	1975-88	0.0	1988-10	-2.4*									-2.4*	-2.4*	
White	1975-87	0.2	1987-10	-2.3*									-2.3*	-2.3*	
Black	1975-90	1.3*	1990-10	-2.8*									-2.8*	-2.8*	
SEER 13 Delay-Adj	usted Incid	ence <sup>b</sup> , 19	992-2010												
All Races	1992-10												-2.6*	-2.6*	
White	1992-10	-2.4*											-2.4*	-2.4*	
Black	1992-10	-3.2*											-3.2*	-3.2*	
SEER 9 Observed In	ncidenceª, 1	1975-2010	<u>)</u>												
All Races	1975-88	0.0	1988-10	-2.5*									-2.5*	-2.5*	
White	1975-87	0.2	1987-10	-2.3*									-2.3*	-2.3*	
Black	1975-90	1.2*	1990-10	-2.9*									-2.9*	-2.9*	
SEER 13 Observed	Incidence <sup>b</sup> ,	1992-201	<u>LO</u>												
All Races	1992-10	-2.7*											-2.7*	-2.7*	
White	1992-10	-2.4*											-2.4*	-2.4*	
White NH <sup>ef</sup>	1992-10	-2.4*											-2.4*	-2.4*	
Black	1992-10	-3.3*											-3.3*	-3.3*	
Black NH <sup>ef</sup>	1992-10	-3.3*											-3.3*	-3.3*	
API <sup>e</sup>	1992-10	-3.1*											-3.1*	-3.1*	
AI/AN <sup>eg</sup>	1992-10	0.6											0.6	0.6	
Hispanic <sup>f</sup>	1992-10	-1.5*											-1.5*	-1.5*	
U.S. Cancer Morta	lity <sup>c</sup> , 1975-	-2010													
All Races	1975-94	-0.4*	1994-10	-2.2*									-2.2*	-2.2*	
White	1975-94	-0.7*	1994-10	-1.9*									-1.9*	-1.9*	
Black	1975-94	1.1*	1994-10	-3.6*									-3.6*	-3.6*	
U.S. Cancer Morta	lity <sup>c</sup> , 1992-	-2010													
All Races	1992-10	-2.2*											-2.2*	-2.2*	
White	1992-10	-1.9*											-1.9*	-1.9*	
White NH <sup>ef</sup>	1992-10	-1.7*											-1.7*	-1.7*	
Black	1992-10	-3.3*											-3.3*	-3.3*	
Black NH <sup>ef</sup>	1992-10	-3.0*											-3.0*	-3.0*	
API <sup>e</sup>	1992-10	-2.3*											-2.3*	-2.3*	
AI/AN <sup>eg</sup>	1992-10	-1.5											-1.5	-1.5	
$ exttt{Hispanic}^{ exttt{f}}$	1992-10	-2.8*											-2.8*	-2.8*	

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.

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).

<sup>-</sup> Joinpoint regression line analysis could not be performed on data series.

### Table 12.2 Cancer of the Larynx (Invasive)

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints, Males by Race/Ethnicity

	JP Trend	d 1	JP Tre	JP Trend 2		JP Trend 3JP		JP Trend 4		end 5	JP Trend 6		AAI	C <sub>q</sub>
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adju														
All Races	1975-87 -	-0.2	1987-10	-2.5*									-2.5*	-2.5*
White	1975-85	0.2	1985-10	-2.4*									-2.4*	-2.4*
Black	1975-90	1.0*	1990-10	-2.8*									-2.8*	-2.8*
SEER 13 Delay-Adj	usted Incidend	.ce <sup>b</sup> , 199	2-2010											
All Races	1992-03 -	-3.2*	2003-10	-1.5*									-1.8*	-1.5*
White	1992-03 -	-3.1*	2003-10	-1.1									-1.5*	-1.1
Black	1992-10 -	-3.2*											-3.2*	-3.2*
SEER 9 Observed I		75-2010												
All Races			1987-10										-2.5*	-2.5*
White			1985-10	-2.5*									-2.5*	-2.5*
Black	1975-90	0.9	1990-10	-2.8*									-2.8*	-2.8*
SEER 13 Observed	Incidence <sup>b</sup> , 19	992-2010	<u>)</u>											
All Races		-3.2*	2003-10										-1.9*	-1.6*
White		-3.1*	2003-10	-1.2*									-1.7*	-1.2*
White NH <sup>ef</sup>		-2.5*											-2.5*	-2.5*
Black		-3.2*											-3.2*	-3.2*
Black NH <sup>ef</sup>		-3.2*											-3.2*	-3.2*
API <sup>e</sup>	1992-10 -	-2.7*											-2.7*	-2.7*
AI/AN <sup>eg</sup>	1992-10	1.6											1.6	1.6
Hispanic <sup>f</sup>	1992-10 -	-1.4*											-1.4*	-1.4*
U.S. Cancer Morta	lity <sup>c</sup> , 1975-20	010												
All Races	1975-94 -	-0.8*	1994-10	-2.5*									-2.5*	-2.5*
White	1975-93 -	-1.1*	1993-10	-2.2*									-2.2*	-2.2*
Black	1975-94	1.2*	1994-10	-3.6*									-3.6*	-3.6*
U.S. Cancer Morta	lity <sup>c</sup> , 1992-20	010												
All Races	1992-10 -	-2.5*											-2.5*	-2.5*
White	1992-10 -	-2.2*											-2.2*	-2.2*
White NH <sup>ef</sup>	1992-10 -	-2.1*											-2.1*	-2.1*
Black	1992-10 -	-3.3*											-3.3*	-3.3*
Black NH <sup>ef</sup>	1992-10 -	-3.0*											-3.0*	-3.0*
API <sup>e</sup>	1992-10 -	-1.7*											-1.7*	-1.7*
AI/AN <sup>eg</sup>	1992-10 -	-0.3											-0.3	-0.3
Hispanic <sup>f</sup>	1992-10 -	-2.9*											-2.9*	-2.9*

Joinpoint Regression Program Version 4.0.3, April 2013, National Cancer Institute. (<a href="http://surveillance.cancer.gov/joinpoint/">http://surveillance.cancer.gov/joinpoint/</a>).
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.

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

<sup>-</sup> Joinpoint regression line analysis could not be performed on data series.

### Table 12.3 Cancer of the Larynx (Invasive)

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints, Females by Race/Ethnicity

	JP Trend	<u>d 1</u> J	IP Tre	end 2	JP Tr	end 3	JP Tr	end 4	JP Tre		JP Tr	end 6	AAF	
	Years	APC Yea	ars	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adju	sted Incidence	e <sup>a</sup> , 1975-201	.0											
All Races	1975-89	1.7* 1989	9-10	-2.5*									-2.5*	-2.5*
White	1975-89	1.5* 1989	9-10	-2.3*									-2.3*	-2.3*
Black	1975-90	3.3* 1990	0-10	-3.0*									-3.0*	-3.0*
SEER 13 Delay-Adj	usted Incidend	.ce <sup>b</sup> , 1992-20	10											
All Races	1992-10 -	-3.0*											-3.0*	-3.0*
White	1992-94	7.1 199	4-10	-3.1*									-3.1*	-3.1*
Black	1992-10 -	-3.3*											-3.3*	-3.3*
SEER 9 Observed I	ncidenceª, 197	75-2010												
All Races	1975-89	1.9* 1989	9-10	-2.6*									-2.6*	-2.6*
White	1975-89	1.7* 1989	9-10	-2.4*									-2.4*	-2.4*
Black	1975-89	4.0* 1989	9-10	-3.1*									-3.1*	-3.1*
SEER 13 Observed	Incidence <sup>b</sup> , 19	992-2010												
All Races	1992-10 -	-3.1*											-3.1*	-3.1*
White	1992-10 -	-2.8*											-2.8*	-2.8*
White NH <sup>ef</sup>	1992-10 -	-2.6*											-2.6*	-2.6*
Black	1992-10 -	-3.3*											-3.3*	-3.3*
Black NH <sup>ef</sup>	1992-10 -	-3.3*											-3.3*	-3.3*
API <sup>e</sup>	1992-10 -	-4.8*											-4.8*	-4.8*
AI/AN <sup>eg</sup>	-	-											-	-
Hispanic <sup>f</sup>	1992-10 -	-2.8											-2.8	-2.8
U.S. Cancer Morta	lity <sup>c</sup> , 1975-20	010												
All Races	1975-92	1.6* 1993	2-10	-2.0*									-2.0*	-2.0*
White	1975-92	1.4* 1993	2-10	-1.7*									-1.7*	-1.7*
Black	1975-93	2.2* 199	3-10	-3.1*									-3.1*	-3.1*
U.S. Cancer Morta	lity <sup>c</sup> , 1992-20	010												
All Races	1992-10 -	-2.0*											-2.0*	-2.0*
White	1992-10 -	-1.7*											-1.7*	-1.7*
White NH <sup>ef</sup>	1992-10 -	-1.3*											-1.3*	-1.3*
Black	1992-10 -	-3.0*											-3.0*	-3.0*
Black NH <sup>ef</sup>	1992-10 -	-2.6*											-2.6*	-2.6*
API <sup>e</sup>	1992-10 -	-4.2*											-4.2*	-4.2*
AI/AN <sup>eg</sup>	-	_											-	-
Hispanic <sup>f</sup>	1992-10 -	-3.4*											-3.4*	-3.4*

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

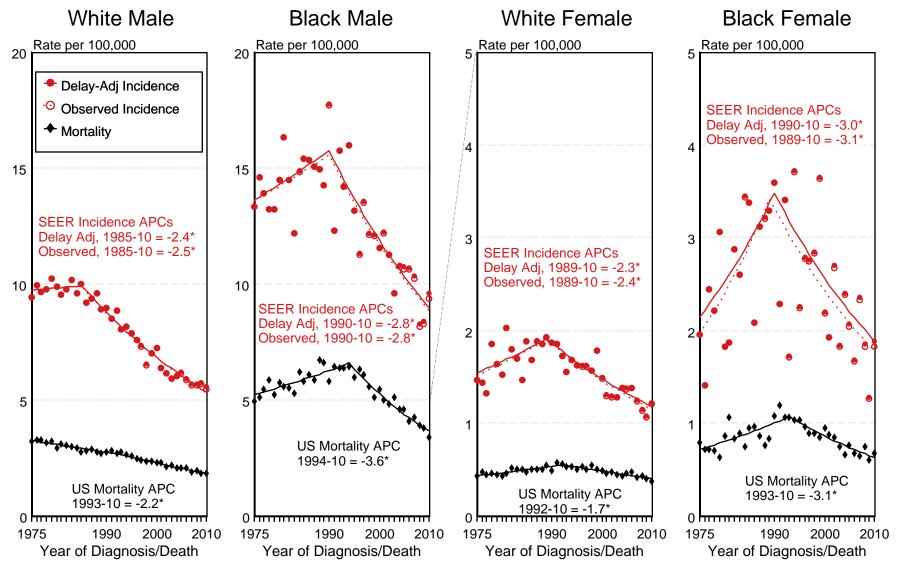
Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude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

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

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

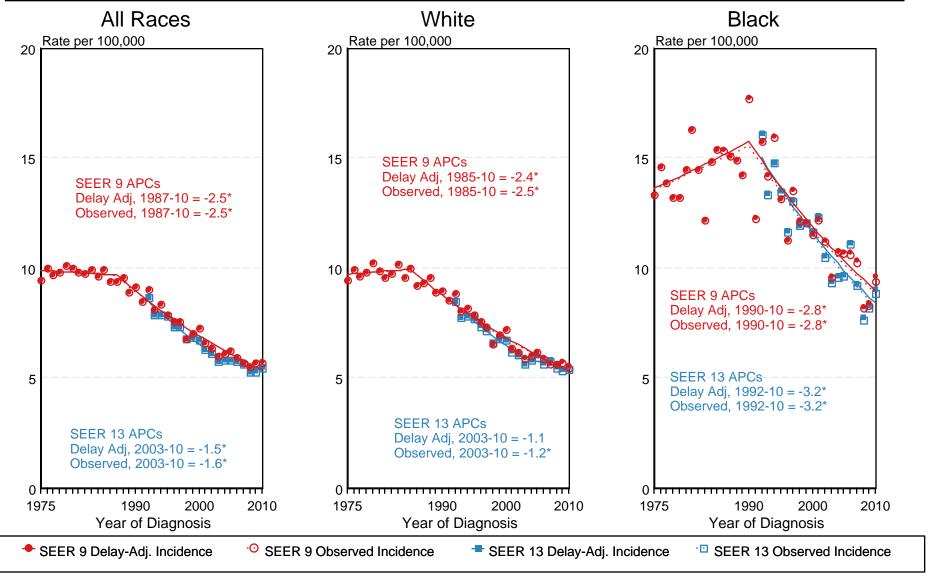
## SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates<sup>a</sup> Cancer of the Larynx, by Race and Sex



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 and APCs are calculated using the Joinpoint Regression Program Version 4.0.3, April 2013, 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).

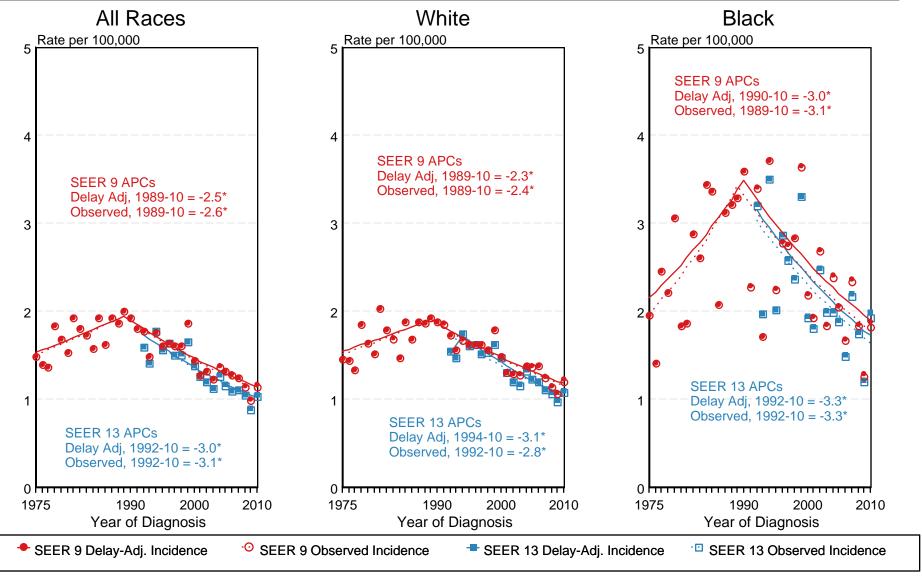
### SEER Observed Incidence and SEER Delay Adjusted Incidence Rates<sup>a</sup> SEER 9 Areas Compared to SEER 13 Areas Cancer of the Larynx, Male, by Race



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 4.0.3, April 2013, 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.

<sup>\*</sup> The APC is significantly different from zero (p < 0.05).

# SEER Observed Incidence and SEER Delay Adjusted Incidence Rates<sup>a</sup> SEER 9 Areas Compared to SEER 13 Areas Cancer of the Larynx, Female, by Race



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 4.0.3, April 2013, 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.

<sup>\*</sup> The APC is significantly different from zero (p < 0.05).

Table 13.1 Leukemia

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints, Both Sexes 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	AAI	PC <sup>d</sup>
	Years APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adjust	ted Incidencea,	1975-2010											
All Races	1975-10 0.3											0.3*	0.3*
White	1975-93 0.2	1993-10	0.8*									0.8*	0.8*
Black	1975-10 0.0											0.0	0.0
SEER 13 Delay-Adjus	sted Incidenceb,	1992-2010											
All Races	1992-10 0.5	*										0.5*	0.5*
White	1992-10 0.5	*										0.7*	0.7*
Black	1992-10 0.4											0.4	0.4
SEER 9 Observed Inc	cidenceª, 1975-2	010											
All Races	1975-10 0.1	*										0.1*	0.1*
White	1975-10 0.2	*										0.2*	0.2*
Black	1975-10 -0.2											-0.2	-0.2
SEER 13 Observed In		2010											
All Races	1992-10 0.1											0.1	0.1
White	1992-10 0.2											0.2	0.2
White NH <sup>ef</sup>	1992-10 0.2											0.2	0.2
Black	1992-10 -0.2											-0.2	-0.2
Black NH <sup>ef</sup>	1992-10 -0.2											-0.2	-0.2
API <sup>e</sup>	1992-10 -0.5											-0.5*	-0.5*
AI/AN <sup>eg</sup>	1992-10 1.5											1.5	1.5
Hispanic <sup>f</sup>	1992-10 0.3											0.3	0.3
U.S. Cancer Mortal	ity <sup>c</sup> , 1975-2010												
All Races	1975-80 0.6			1988-91	0.7	1991-01	-0.5*	2001-10	-1.0*			-1.0*	-1.0*
White	1975-00 -0.3											-0.9*	-0.9*
Black	1975-91 0.5	* 1991-10	-1.2*									-1.2*	-1.2*
U.S. Cancer Mortal													
All Races	1992-01 -0.5											-1.0*	-1.0*
White	1992-01 -0.4											-0.9*	-0.9*
White NH <sup>ef</sup>	1992-01 -0.4		-0.8*									-0.8*	-0.8*
Black	1992-10 -1.2											-1.2*	-1.2*
Black NH <sup>ef</sup>	1992-10 -1.1											-1.1*	-1.1*
API <sup>e</sup>	1992-10 -0.9											-0.9*	-0.9*
AI/AN <sup>eg</sup>	1992-10 0.2											0.2	0.2
Hispanic <sup>f</sup>	1992-96 2.0	1996-10	-1.0*									-1.0*	-1.0*

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.

The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, SC, OK and V Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

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

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

Table 13.2 Leukemia

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints, Males by Race/Ethnicity

	JP Trend 1		JP Tre	end 2	JP Tr	end 3	JP Tre	end 4	JP Tr	end 5	JP Tr	end 6	AAI	AAPC <sup>d</sup>	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10	
SEER 9 Delay-Adjust	ed Incide	nceª, 197	5-2010												
All Races	1975-10	0.2*											0.2*	0.2*	
White	1975-10	0.3*											0.3*	0.3*	
Black	1975-10	0.1											0.1	0.1	
SEER 13 Delay-Adjus	sted Incide	ence <sup>b</sup> , 19	92-2010												
All Races	1992-10	0.4*											0.4*	0.4*	
White	1992-10	0.5*											0.5*	0.5*	
Black	1992-10	0.6											0.6	0.6	
SEER 9 Observed Inc	cidenceª, 1	L975-2010													
All Races	1975-10	0.0											0.0	0.0	
White	1975-10	0.1											0.1	0.1	
Black	1975-10	-0.1											-0.1	-0.1	
SEER 13 Observed Ir	ncidence <sup>b</sup> ,	1992-201	.0												
All Races	1992-10	-0.1											-0.1	-0.1	
White	1992-10	0.0											0.0	0.0	
White NH <sup>ef</sup>	1992-10	0.0											0.0	0.0	
Black	1992-10	0.0											0.0	0.0	
Black NH <sup>ef</sup>	1992-10	0.0											0.0	0.0	
API <sup>e</sup>	1992-10	-0.4											-0.4	-0.4	
AI/AN <sup>eg</sup>	1992-10	1.6											1.6	1.6	
Hispanic <sup>f</sup>	1992-10	0.2											0.2	0.2	
U.S. Cancer Mortali	ty <sup>c</sup> , 1975-	-2010													
All Races	1975-80	0.5	1980-87	-0.7*	1987-95	0.1	1995-10	-0.9*					-0.9*	-0.9*	
White	1975-01	-0.3*	2001-10	-0.9*									-0.9*	-0.9*	
Black	1975-91	1.0*	1991-10	-1.2*									-1.2*	-1.2*	
U.S. Cancer Mortali	ty <sup>c</sup> , 1992-	-2010													
All Races	1992-10	-0.8*											-0.8*	-0.8*	
White	1992-10	-0.7*											-0.7*	-0.7*	
White NH <sup>ef</sup>	1992-10	-0.7*											-0.7*	-0.7*	
Black	1992-10	-1.2*											-1.2*	-1.2*	
Black NH <sup>ef</sup>	1992-10	-1.1*											-1.1*	-1.1*	
API <sup>e</sup>	1992-10	-0.8*											-0.8*	-0.8*	
AI/AN <sup>eg</sup>	1992-10	0.9											0.9	0.9	
Hispanic <sup>f</sup>	1992-10	-0.6*											-0.6*	-0.6*	

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.

The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, SC, OK and V Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

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

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

Table 13.3 Leukemia

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints, Females 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	AAI	PC <sup>d</sup>
	Years APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adju	sted Incidencea, 1	975-2010											
All Races	1975-10 0.4*											0.4*	0.4*
White	1975-10 0.5*											0.5*	0.5*
Black	1975-10 0.1											0.1	0.1
SEER 13 Delay-Adj	usted Incidenceb,	1992-2010											
All Races	1992-10 0.6*											0.6*	0.6*
White	1992-10 0.8*											0.8*	0.8*
Black	1992-10 0.4											0.4	0.4
SEER 9 Observed I	ncidence <sup>a</sup> , 1975-20	10											
All Races	1975-10 0.2*											0.2*	0.2*
White	1975-10 0.3*											0.3*	0.3*
Black	1975-10 -0.2											-0.2	-0.2
	Incidence <sup>b</sup> , 1992-2	010											
All Races	1992-10 0.1											0.1	0.1
White	1992-10 0.2											0.2	0.2
White NH <sup>ef</sup>	1992-10 0.3											0.3	0.3
Black	1992-10 -0.2											-0.2	-0.2
Black NH <sup>ef</sup>	1992-10 -0.2											-0.2	-0.2
API <sup>e</sup>	1992-10 -0.4											-0.4	-0.4
AI/AN <sup>eg</sup>	1992-10 1.9											1.9	1.9
Hispanic <sup>f</sup>	1992-10 0.5											0.5	0.5
U.S. Cancer Morta	lity <sup>c</sup> , 1975-2010												
All Races	1975-80 0.8	1980-00	-0.4*	2000-10								-1.3*	-1.3*
White	1975-80 0.6	1980-00		2000-10	-1.2*							-1.2*	-1.2*
Black	1975-93 0.4	1993-10	-1.2*									-1.2*	-1.2*
U.S. Cancer Morta													
All Races	1992-00 -0.5*	2000-10										-1.3*	-1.3*
White	1992-00 -0.4*	2000-10										-1.1*	-1.1*
White NH <sup>ef</sup>	1992-01 -0.4*	2001-10	-1.2*									-1.2*	-1.2*
Black	1992-10 -1.2*											-1.2*	-1.2*
Black NH <sup>ef</sup>	1992-10 -1.0*											-1.0*	-1.0*
API <sup>e</sup>	1992-10 -0.9											-0.9	-0.9
AI/AN <sup>eg</sup>	1992-10 -0.7											-0.7	-0.7
Hispanic <sup>f</sup>	1992-10 -0.8*											-0.8*	-0.8*

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

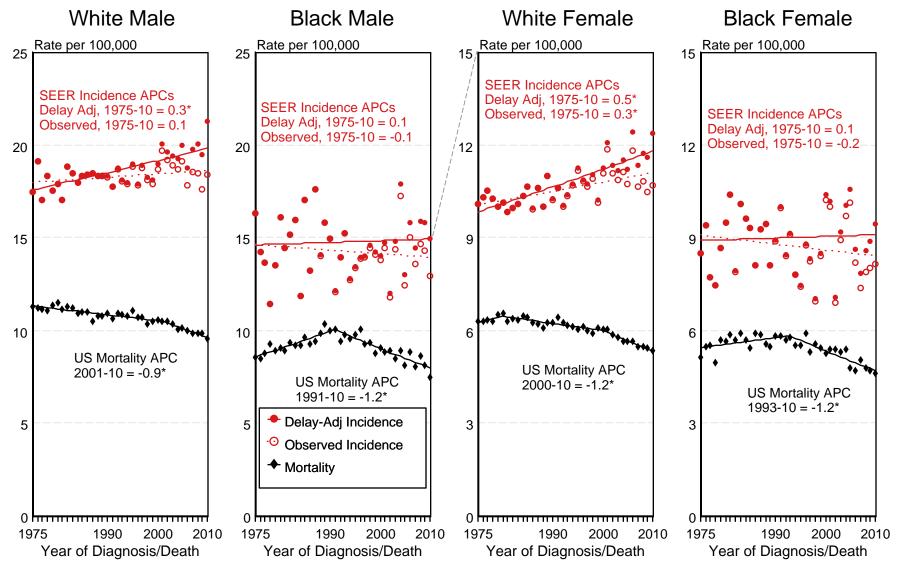
Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude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

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

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

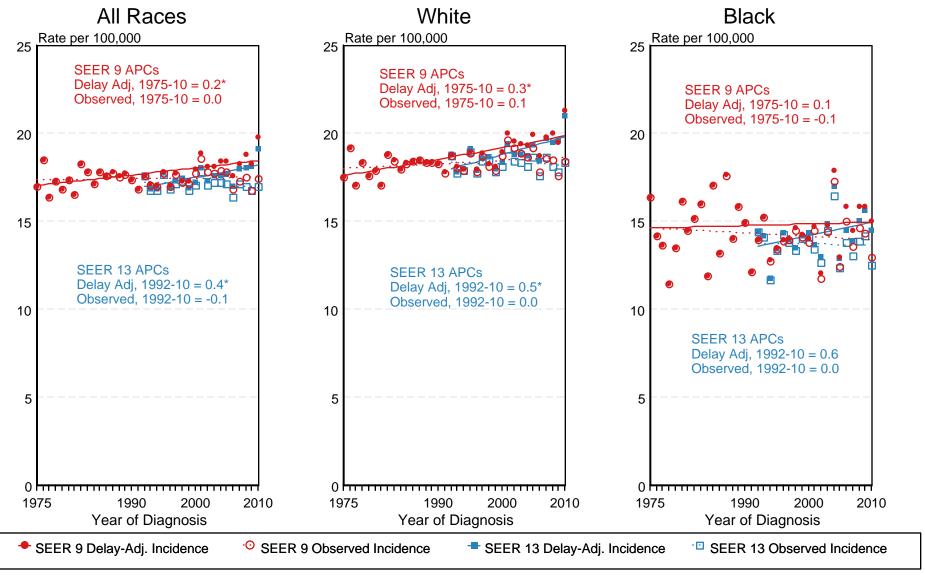
### SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates<sup>a</sup> Leukemia, by Race and Sex



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 and APCs are calculated using the Joinpoint Regression Program Version 4.0.3, April 2013, 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).

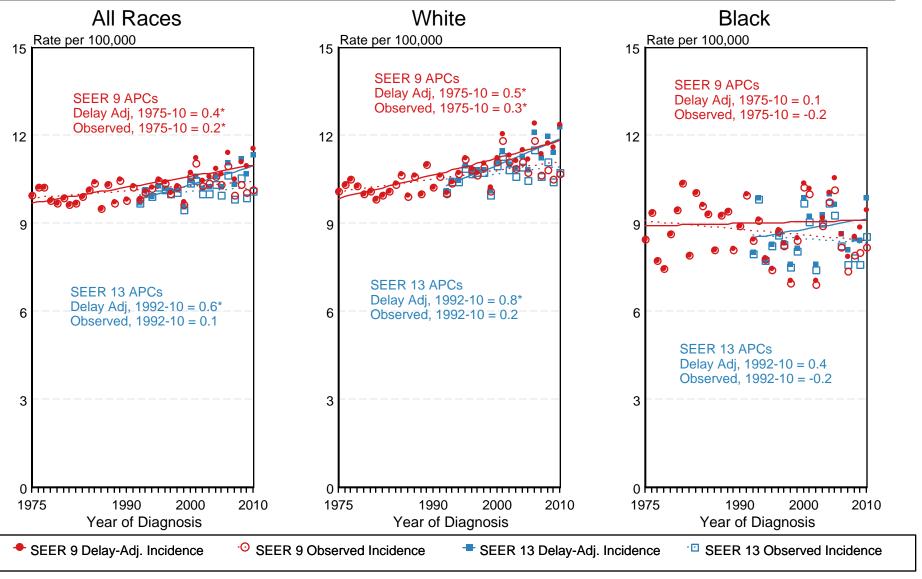
### SEER Observed Incidence and SEER Delay Adjusted Incidence Rates<sup>a</sup> SEER 9 Areas Compared to SEER 13 Areas Leukemia, Male, by Race



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 4.0.3, April 2013, 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.

<sup>\*</sup> The APC is significantly different from zero (p < 0.05).

# SEER Observed Incidence and SEER Delay Adjusted Incidence Rates<sup>a</sup> SEER 9 Areas Compared to SEER 13 Areas Leukemia, Female, by Race



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 4.0.3, April 2013, 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.

<sup>\*</sup> The APC is significantly different from zero (p < 0.05).

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

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 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	nd 5	JP Tr	end 6	AAI	P.C <sup>d</sup>
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adjust	ed Incider	nce <sup>a</sup> , 197	75-2010											
All Races	1975-84	1.3	1984-98	4.8*	1998-01	0.5	2001-10	4.3*					4.3*	4.3*
White	1975-87	1.6*	1987-98	5.4*	1998-01	-0.8	2001-10	4.8*					4.8*	4.8*
Black	1975-02	2.9*	2002-10	5.7*									5.4*	5.7*
SEER 13 Delay-Adjus	sted Incide	ence <sup>b</sup> , 19	992-2010											
All Races	1992-10	3.6*											3.6*	3.6*
White	1992-99	5.6*	1999-02	-0.2	2002-10	5.0*							4.4*	5.0*
Black	1992-10	4.1*											4.1*	4.1*
SEER 9 Observed Inc	cidenceª, 1	975-2010	<u>)</u>											
All Races	1975-84	1.3	1984-98	4.7*	1998-01	0.7	2001-10	4.1*					4.1*	4.1*
White	1975-87	1.6*	1987-98	5.4*	1998-01	-0.6	2001-10	4.5*					4.5*	4.5*
Black	1975-82	-1.2	1982-10	3.9*									3.9*	3.9*
SEER 13 Observed In	ncidence <sup>b</sup> ,	1992-201	L <u>O</u>											
All Races	1992-10	3.5*											3.5*	3.5*
White	1992-99	5.6*	1999-02	-0.1	2002-10	4.7*							4.1*	4.7*
White NH <sup>ef</sup>	1992-99	5.4*	1999-02	-2.2	2002-08	5.7*	2008-10	0.2					3.6*	2.9
Black	1992-10	4.0*											4.0*	4.0*
Black NH <sup>ef</sup>	1992-10	4.1*											4.1*	4.1*
API <sup>e</sup>	1992-10	0.6*											0.6*	0.6*
AI/AN <sup>eg</sup>	1992-10	3.3*											3.3*	3.3*
Hispanic <sup>f</sup>	1992-10	3.2*											3.2*	3.2*
U.S. Cancer Mortali	ty <sup>c</sup> , 1975-	2010												
All Races	1975-80	0.2	1980-87	2.0*	1987-96	3.8*	1996-99	0.4	1999-10	2.4*			2.4*	2.4*
White	1975-78	-1.2	1978-87	1.7*	1987-96	3.9*	1996-00	0.8	2000-10	2.6*			2.6*	2.6*
Black	1975-88	0.8*	1988-95	3.2*	1995-00	0.4	2000-10	2.4*					2.4*	2.4*
U.S. Cancer Mortali		2010												
All Races	1992-96	3.5*	1996-99	0.5	1999-10	2.4*							2.4*	2.4*
White	1992-96	3.4*	1996-00	0.9	2000-10	2.6*							2.6*	2.6*
White NH <sup>ef</sup>	1992-96	3.6*	1996-99	0.1	1999-08	2.2*	2008-10	3.6*					2.5*	2.9*
Black	1992-10	1.9*											1.9*	1.9*
Black NH <sup>ef</sup>	1992-10	2.0*											2.0*	2.0*
API <sup>e</sup>	1992-10	-0.9*											-0.9*	-0.9*
AI/AN <sup>eg</sup>	1992-10	2.1*											2.1*	2.1*
Hispanic <sup>f</sup>	1992-10	1.7*											1.7*	1.7*

Joinpoint Regression Program Version 4.0.3, April 2013, National Cancer Institute. (<a href="http://surveillance.cancer.gov/joinpoint/">http://surveillance.cancer.gov/joinpoint/</a>).
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 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.

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.

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

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

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

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 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 Tr	end 5	JP Tr	end 6	AAI	C <sub>q</sub>
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adj	usted Incider	nce <sup>a</sup> , 19'	75-2010											
All Races	1975-10	3.7*											3.7*	3.7*
White	1975-84	1.8	1984-10	4.0*									4.0*	4.0*
Black	1975-02	3.1*	2002-10	6.0*									5.7*	6.0*
SEER 13 Delay-Ad	justed Incide	ence <sup>b</sup> , 19	992-2010											
All Races	1992-10	3.7*											3.7*	3.7*
White	1992-10	4.0*											4.0*	4.0*
Black	1992-10	4.6*											4.6*	4.6*
SEER 9 Observed			<u>)</u>											
All Races	1975-10	3.7*											3.7*	3.7*
White	1975-84	1.8	1984-10	4.0*									4.0*	4.0*
Black	1975-10	3.8*											3.8*	3.8*
SEER 13 Observed			10											
All Races	1992-10	3.5*											3.5*	3.5*
White	1992-10	3.9*											3.9*	3.9*
White NH <sup>ef</sup>	1992-10	3.5*											3.5*	3.5*
Black	1992-10	4.4*											4.4*	4.4*
Black NH <sup>ef</sup>	1992-10	4.5*											4.5*	4.5*
API <sup>e</sup>	1992-10	0.7*											0.7*	0.7*
AI/AN <sup>eg</sup>	1992-10	4.5*											4.5*	4.5*
Hispanic <sup>f</sup>	1992-10	3.3*											3.3*	3.3*
U.S. Cancer Mort	ality <sup>c</sup> , 1975-	2010												
All Races	1975-85	1.5*	1985-96	3.8*	1996-99	0.5	1999-10	2.5*					2.5*	2.5*
White	1975-85	1.4*	1985-96	3.9*	1996-99	0.5	1999-10	2.6*					2.6*	2.6*
Black	1975-87	0.8	1987-10	2.2*									2.2*	2.2*
U.S. Cancer Mort		2010												
All Races	1992-10	2.3*											2.3*	2.3*
White	1992-10	2.4*											2.4*	2.4*
White NH <sup>ef</sup>	1992-06	2.0*	2006-10	3.2*									2.6*	3.2*
Black	1992-10	2.2*											2.2*	2.2*
Black NH <sup>ef</sup>	1992-10	2.4*											2.4*	2.4*
API <sup>e</sup>	1992-10	-0.8*											-0.8*	-0.8*
AI/AN <sup>eg</sup>	1992-10	2.4*											2.4*	2.4*
Hispanic <sup>f</sup>	1992-10	1.8*											1.8*	1.8*

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.

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.

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

<sup>-</sup> Joinpoint regression line analysis could not be performed on data series.

#### Table 14.3 Cancer of the Liver and Intrahepatic Bile Duct (Invasive)

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints, Females 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	AAI	PC <sup>d</sup>
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adj	usted Incider	nce <sup>a</sup> , 19'	75-2010											
All Races	1975-83	0.6	1983-99	4.2*	1999-02	-1.1	2002-10	3.9*					3.3*	3.9*
White	1975-85	0.7	1985-99	4.1*	1999-02	-2.7	2002-10	4.3*					3.5*	4.3*
Black	1975-10	2.6*											2.6*	2.6*
SEER 13 Delay-Ad	justed Incide	ence <sup>b</sup> , 19	992-2010											
All Races	1992-10	2.9*											2.9*	2.9*
White	1992-99	6.1*	1999-03	-1.5	2003-10	4.6*							3.2*	4.6*
Black	1992-10	2.7*											2.7*	2.7*
SEER 9 Observed		975-2010	_											
All Races	1975-83	0.5	1983-96	4.3*	1996-10	2.5*							2.5*	2.5*
White	1975-85	0.8	1985-99	4.1*	1999-02	-2.5	2002-10	4.0*					3.2*	4.0*
Black	1975-10	2.8*											2.8*	2.8*
SEER 13 Observed			<u>LO</u>											
All Races	1992-10	2.8*											2.8*	2.8*
White	1992-99	6.1*	1999-03		2003-10	4.2*							2.9*	4.2*
White NH <sup>ef</sup>	1992-98	6.5*	1998-03	-1.5	2003-10	3.9*							2.7*	3.9*
Black	1992-10	2.7*											2.7*	2.7*
Black NH <sup>ef</sup>	1992-10	2.8*											2.8*	2.8*
API <sup>e</sup>	1992-10	0.5											0.5	0.5
AI/AN <sup>eg</sup>	1992-10	1.4											1.4	1.4
Hispanic <sup>f</sup>	1992-10	2.7*											2.7*	2.7*
U.S. Cancer Morta	ality <sup>c</sup> , 1975-	2010												
All Races	1975-87	0.8*	1987-95	3.8*	1995-00	0.3	2000-10	1.6*					1.6*	1.6*
White	1975-87	0.6*	1987-96	3.5*	1996-00	-0.4	2000-10	1.9*					1.9*	1.9*
Black	1975-10	1.4*											1.4*	1.4*
U.S. Cancer Morta		2010												
All Races	1992-10	1.4*											1.4*	1.4*
White	1992-96	3.1*	1996-00		2000-10	1.9*							1.9*	1.9*
White NH <sup>ef</sup>	1992-96	3.3*	1996-00	-0.9	2000-10	1.7*							1.7*	1.7*
Black	1992-10	0.8*											0.8*	0.8*
Black NH <sup>ef</sup>	1992-10	1.0*											1.0*	1.0*
API <sup>e</sup>	1992-10	-0.8*											-0.8*	-0.8*
AI/AN <sup>eg</sup>	1992-10	1.4											1.4	1.4
Hispanic <sup>f</sup>	1992-10	1.4*											1.4*	1.4*

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.

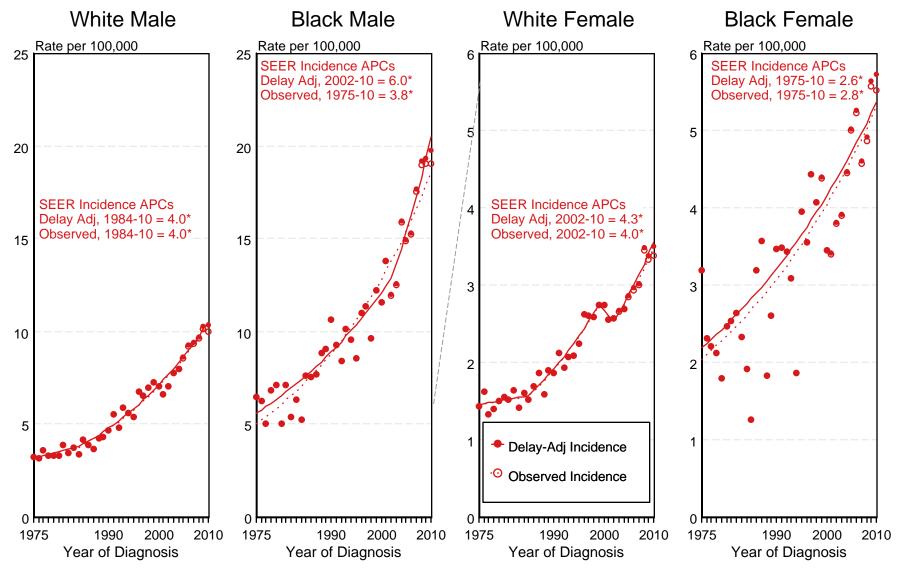
Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

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

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

Figure 14.1

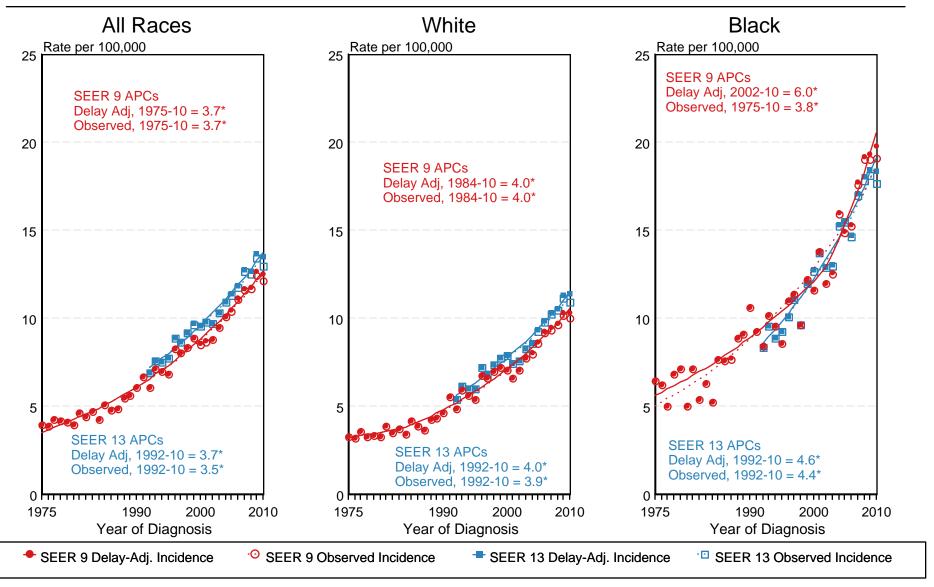
## SEER Observed Incidence and Delay Adjusted Incidence Rates <sup>a</sup> Cancer of the Liver and Intrahepatic Bile Duct, by Race and Sex



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 4.0.3, April 2013, 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.

<sup>\*</sup> The APC is significantly different from zero (p < 0.05).

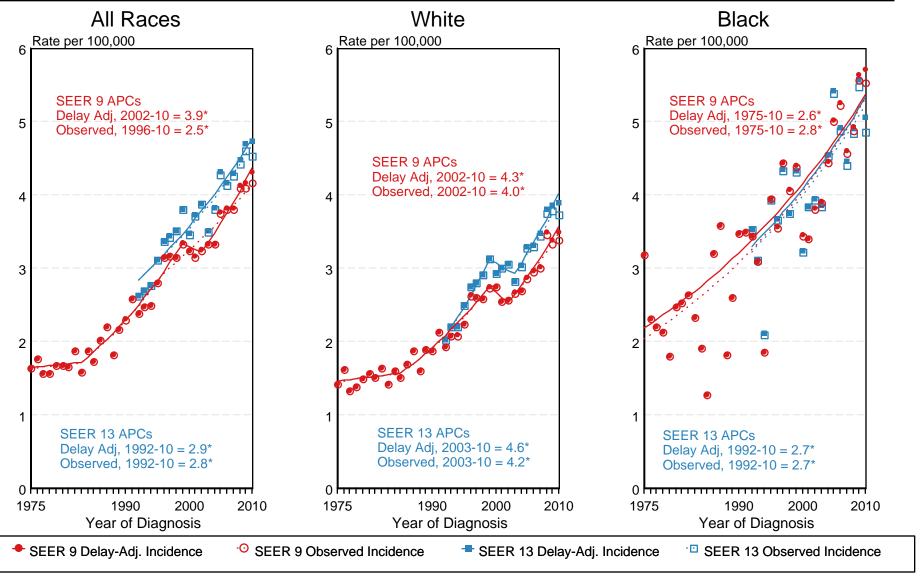
#### SEER Observed Incidence and SEER Delay Adjusted Incidence Rates<sup>a</sup> SEER 9 Areas Compared to SEER 13 Areas Cancer of the Liver and Intrahepatic Bile Duct, Male, by Race



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 4.0.3, April 2013, 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.

<sup>\*</sup> The APC is significantly different from zero (p < 0.05).

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



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 4.0.3, April 2013, 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.

<sup>\*</sup> The APC is significantly different from zero (p < 0.05).

#### Table 15.1 Cancer of the Lung and Bronchus (Invasive)

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 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	AAI	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adjus	ted Inciden	ice <sup>a</sup> , 197	5-2010											
All Races	1975-82	2.5*	1982-91	0.9*	1991-07	-0.7*	2007-10	-2.1*					-1.2*	-1.7*
White	1975-82	2.5*	1982-90	1.2*	1990-07	-0.5*	2007-10	-2.1*					-1.1*	-1.7*
Black	1975-85	3.2*	1985-10	-1.0*									-1.0*	-1.0*
SEER 13 Delay-Adju	sted Incide	nce <sup>b</sup> , 19	92-2010											
All Races	1992-10	-1.1*											-1.1*	-1.1*
White	1992-10	-1.0*											-1.0*	-1.0*
Black	1992-10	-1.3*											-1.3*	-1.3*
SEER 9 Observed In			<u>)</u>											
All Races	1975-82	2.5*	1982-91	1.0*	1991-07	-0.7*	2007-10						-1.3*	-2.1*
White	1975-82	2.6*	1982-91	1.1*	1991-07	-0.6*	2007-10	-2.6*					-1.3*	-2.1*
Black	1975-86	2.9*	1986-10	-1.1*									-1.1*	-1.1*
SEER 13 Observed I	ncidence <sup>b</sup> ,	1992-201	.0											
All Races	1992-07	-1.0*	2007-10	-2.7*									-1.6*	-2.3*
White	1992-07	-0.9*	2007-10	-2.7*									-1.5*	-2.2*
White NH <sup>ef</sup>	1992-07	-0.7*	2007-10	-2.5*									-1.3*	-2.1*
Black	1992-10	-1.5*											-1.5*	-1.5*
Black NH <sup>ef</sup>	1992-10	-1.4*											-1.4*	-1.4*
API <sup>e</sup>	1992-05	-0.5*	2005-10	-2.0*									-1.3*	-2.0*
AI/AN <sup>eg</sup>	1992-10	-0.4											-0.4	-0.4
Hispanic <sup>f</sup>	1992-10	-1.1*											-1.1*	-1.1*
U.S. Cancer Mortal	ity <sup>c</sup> , 1975-	2010												
All Races	1975-80	3.0*	1980-90	1.8*	1990-95	-0.2	1995-05	-1.0*	2005-10	-2.2*			-1.7*	-2.2*
White	1975-80	2.9*	1980-90	1.8*	1990-95	-0.1	1995-05	-0.8*	2005-10	-2.1*			-1.5*	-2.1*
Black	1975-81	3.5*	1981-90	1.9*	1990-95	-0.7*	1995-04	-1.7*	2004-10	-2.7*			-2.4*	-2.7*
U.S. Cancer Mortal	ity <sup>c</sup> , 1992-	2010												
All Races	1992-04	-0.8*	2004-10	-2.1*									-1.7*	-2.1*
White	1992-04	-0.7*	2004-10	-1.9*									-1.5*	-1.9*
White NH <sup>ef</sup>	1992-04	-0.6*	2004-10	-1.8*									-1.4*	-1.8*
Black	1992-97	-1.1*	1997-05	-1.8*	2005-10	-2.9*							-2.4*	-2.9*
Black NH <sup>ef</sup>	1992-04	-1.4*	2004-10	-2.7*									-2.3*	-2.7*
API <sup>e</sup>	1992-10	-1.1*											-1.1*	-1.1*
AI/AN <sup>eg</sup>	1992-10	0.0											0.0	0.0
Hispanic <sup>f</sup>	1992-03	-0.8*	2003-10	-2.6*									-2.2*	-2.6*

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 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.

The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, SC, OK and VI Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

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

<sup>-</sup> Joinpoint regression line analysis could not be performed on data series.

#### Table 15.2 Cancer of the Lung and Bronchus (Invasive)

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 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 Tre	end 6	AAI	C <sup>d</sup>
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adjuste	ed Incider	nce <sup>a</sup> , 197	75-2010											
	1975-82	1.4*	1982-91	-0.4*	1991-10	-1.8*							-1.8*	-1.8*
White	1975-81	1.5*	1981-90	-0.2	1990-10	-1.7*							-1.7*	-1.7*
Black	1975-84	3.3*	1984-10	-1.9*									-1.9*	-1.9*
SEER 13 Delay-Adjust	ed Incide	ence <sup>b</sup> , 19	92-2010											
	1992-10	-1.9*											-1.9*	-1.9*
White	1992-10	-1.9*											-1.9*	-1.9*
Black	1992-10	-2.5*											-2.5*	-2.5*
SEER 9 Observed Inci	dencea, 1	975-2010	<u>)</u>											
All Races	1975-82	1.4*	1982-91	-0.4	1991-10	-1.8*							-1.8*	-1.8*
White	1975-81	1.5*	1981-90	-0.2	1990-10	-1.8*							-1.8*	-1.8*
Black	1975-85	2.9*	1985-10	-2.1*									-2.1*	-2.1*
SEER 13 Observed Inc	idence <sup>b</sup> ,	1992-201	.0											
All Races	1992-10	-2.0*											-2.0*	-2.0*
	1992-10	-1.9*											-1.9*	-1.9*
White NH <sup>ef</sup>	1992-10	-1.8*											-1.8*	-1.8*
	1992-10	-2.6*											-2.6*	-2.6*
	1992-10	-2.5*											-2.5*	-2.5*
	1992-08	-1.0*	2008-10	-5.7									-2.1*	-3.4
	1992-10	-1.2											-1.2	-1.2
Hispanic <sup>f</sup>	1992-10	-1.9*											-1.9*	-1.9*
U.S. Cancer Mortalit	y <sup>c</sup> , 1975-	2010												
All Races	1975-78	2.5*	1978-84	1.2*	1984-90	0.4*	1990-93	-1.1	1993-05	-1.9*	2005-10	-2.9*	-2.5*	-2.9*
	1975-82	1.7*	1982-91	0.4*	1991-05	-1.8*	2005-10	-2.8*					-2.3*	-2.8*
Black	1975-77	4.9*	1977-84	2.3*	1984-90	1.2*	1990-94	-1.2*	1994-03	-2.7*	2003-10	-3.4*	-3.2*	-3.4*
U.S. Cancer Mortalit	y <sup>c</sup> , 1992-	2010												
All Races	1992-05	-1.9*	2005-10	-2.9*									-2.5*	-2.9*
White	1992-05	-1.8*	2005-10	-2.8*									-2.3*	-2.8*
White NH <sup>ef</sup>	1992-05	-1.6*	2005-10	-2.7*									-2.2*	-2.7*
Black	1992-94	-1.0	1994-03	-2.7*	2003-10	-3.4*							-3.2*	-3.4*
Black NH <sup>ef</sup>	1992-01	-2.4*	2001-10	-3.1*									-3.1*	-3.1*
API <sup>e</sup>	1992-10	-1.5*											-1.5*	-1.5*
AI/AN <sup>eg</sup>	1992-10	-1.0*											-1.0*	-1.0*
Hispanic <sup>f</sup>	1992-98	-0.4	1998-10	-2.7*									-2.7*	-2.7*

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.

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

<sup>-</sup> Joinpoint regression line analysis could not be performed on data series.

#### Table 15.3 Cancer of the Lung and Bronchus (Invasive)

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints, Females 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	AAI	PC <sup>d</sup>
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adju	sted Incider	nce <sup>a</sup> , 197	75-2010											
All Races	1975-82	5.6*	1982-91	3.4*	1991-07	0.5*	2007-10	-2.1*					-0.4	-1.5
White	1975-82	5.6*	1982-88	4.2*	1988-98	1.5*	1998-01	-0.9	2001-07	0.8	2007-10	-2.2*	-0.2	-1.4*
Black	1975-91	4.0*	1991-10	0.3									0.3	0.3
SEER 13 Delay-Adj	usted Incide	ence <sup>b</sup> , 19	992-2010											
All Races	1992-98	0.8*	1998-01	-1.3	2001-05	0.7	2005-10	-1.2*					-0.4	-1.2*
White	1992-98	1.0*	1998-01	-1.3	2001-07	0.3	2007-10	-2.1*					-0.5	-1.5*
Black	1992-10	0.3											0.3	0.3
SEER 9 Observed I			_											
All Races	1975-82	5.6*	1982-91	3.4*	1991-07	0.5*	2007-10	-2.6*					-0.6	-1.9*
White	1975-82	5.6*	1982-88	4.2*	1988-97	1.5*	1997-07	0.2	2007-10	-2.3*			-0.6	-1.7*
Black	1975-91	4.1*	1991-10	0.2									0.2	0.2
SEER 13 Observed		1992-201	L O											
All Races	1992-07	0.0	2007-10	-2.6*									-0.9*	-1.9*
White	1992-97	0.9	1997-08	-0.3	2008-10	-3.3							-1.0*	-1.8
White NH <sup>ef</sup>	1992-97	1.1*	1997-08	-0.1	2008-10	-3.5							-0.9	-1.8
Black	1992-05	0.7*	2005-10	-1.9									-0.7	-1.9
Black NH <sup>ef</sup>	1992-05	0.8*	2005-10	-1.7									-0.6	-1.7
API <sup>e</sup>	1992-10	0.2											0.2	0.2
AI/AN <sup>eg</sup>	1992-10	0.9											0.9	0.9
Hispanic <sup>f</sup>	1992-10	-0.2											-0.2	-0.2
U.S. Cancer Morta		2010												
All Races	1975-82	6.0*	1982-90	4.2*	1990-95	1.7*	1995-04	0.3*	2004-10	-1.4*			-0.8*	-1.4*
White	1975-83	5.8*	1983-90	4.1*	1990-94	2.1*	1994-03	0.5*	2003-10	-1.1*			-0.7*	-1.1*
Black	1975-82	6.4*	1982-92	3.7*	1992-04	0.4*	2004-10	-2.0*					-1.2*	-2.0*
U.S. Cancer Morta														
All Races	1992-96	1.1*	1996-04	0.2	2004-10	-1.4*							-0.8*	-1.4*
White	1992-03	0.6*	2003-10	-1.1*									-0.7*	-1.1*
White NH <sup>ef</sup>	1992-03	0.8*	2003-10	-1.0*									-0.6*	-1.0*
Black	1992-04	0.4*	2004-10	-2.0*									-1.2*	-2.0*
Black NH <sup>ef</sup>	1992-05	0.5*	2005-10	-2.4*									-1.1*	-2.4*
API <sup>e</sup>	1992-10	-0.4*											-0.4*	-0.4*
AI/AN <sup>eg</sup>	1992-08	1.7*	2008-10	-7.9									-0.5	-3.2
Hispanic <sup>f</sup>	1992-03	0.4	2003-10	-1.6*									-1.2*	-1.6*

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

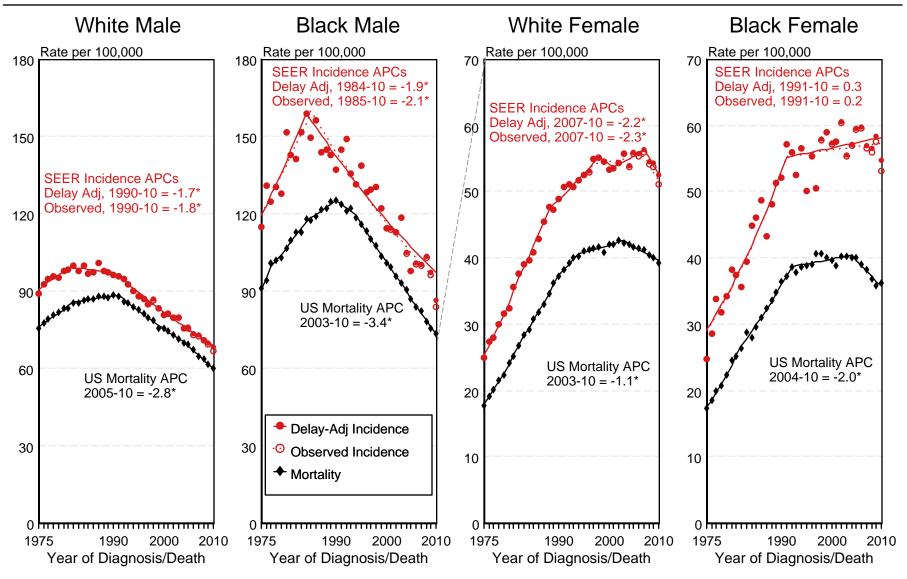
Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude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

<sup>-</sup> Joinpoint regression line analysis could not be performed on data series.

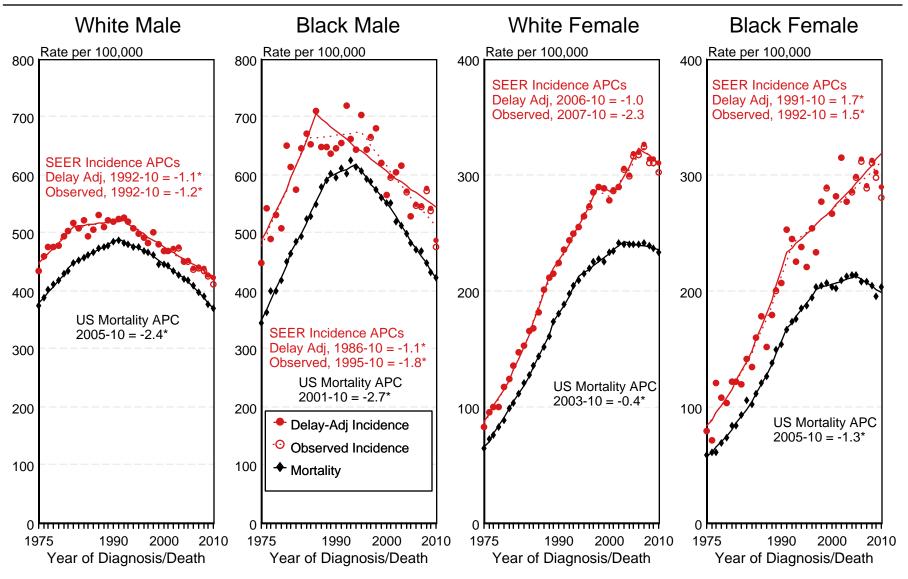
### SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates<sup>a</sup> Cancer of the Lung and Bronchus, by Race and Sex



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 and APCs are calculated using the Joinpoint Regression Program Version 4.0.3, April 2013, 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).

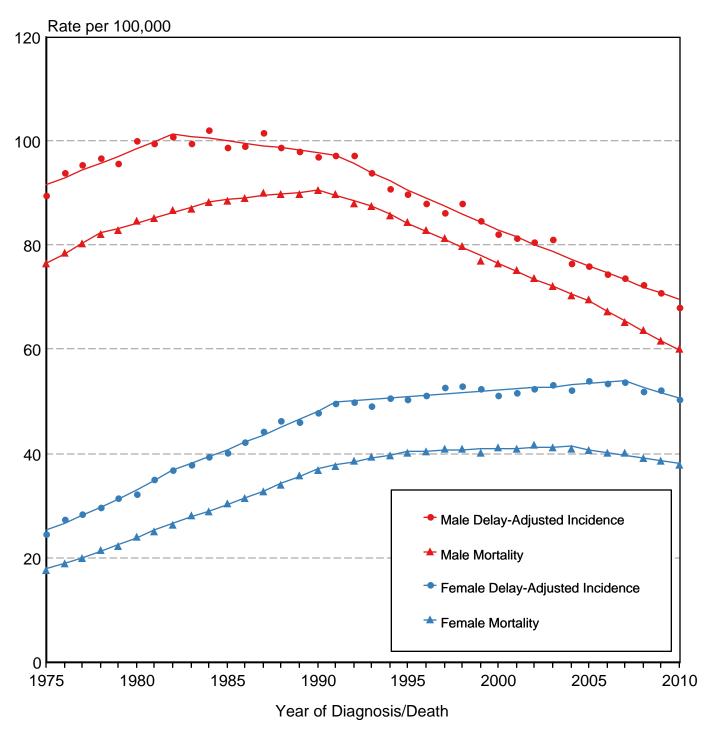
## SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates<sup>a</sup> Cancer of the Lung and Bronchus, Ages 65 and Over, by Race and Sex



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 and APCs are calculated using the Joinpoint Regression Program Version 4.0.3, April 2013, 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.

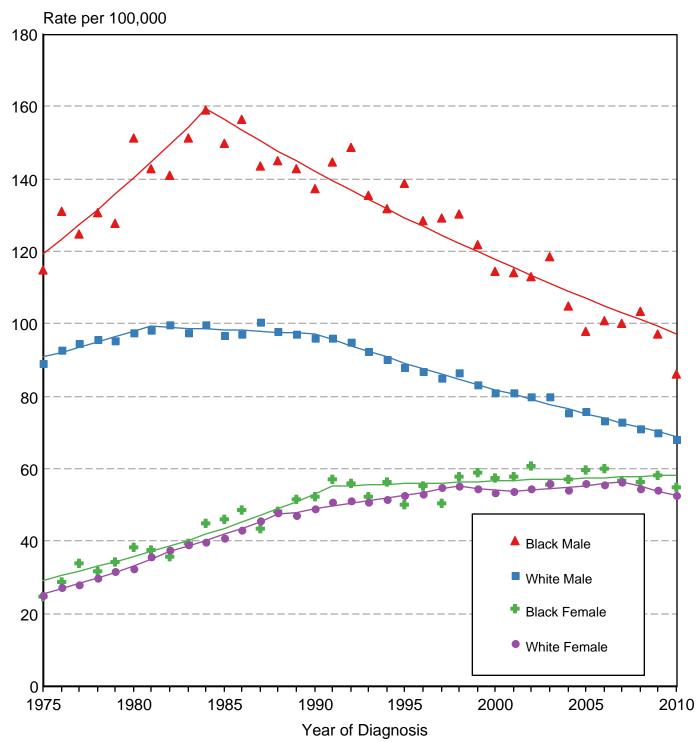
The APC is significantly different from zero (p < 0.05).

### Cancer of the Lung & Bronchus SEER Delay-Adjusted Incidence & US Death Rates, 1975-2010, All Races, By Sex



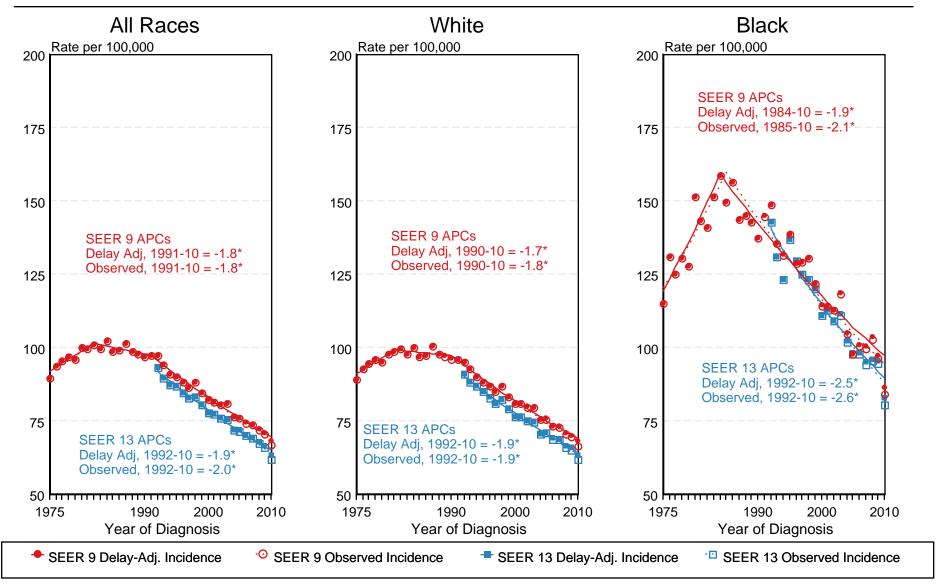
Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC). Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines are calculated using the Joinpoint Regression Program Version 4.0.3, April 2013, National Cancer Institute.

### Cancer of the Lung & Bronchus SEER Delay-Adjusted Incidence, 1975-2010 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 4.0.3, April 2013, National Cancer Institute.

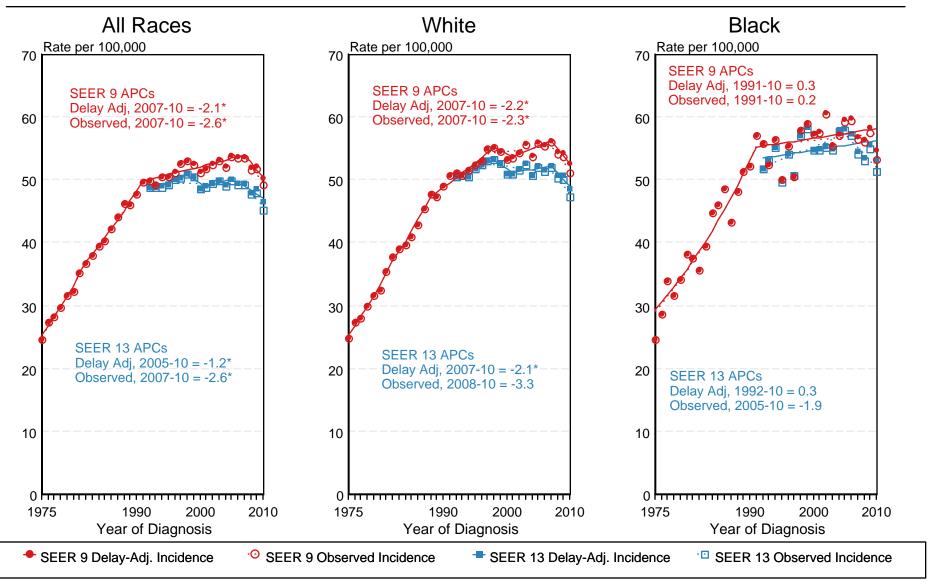
# SEER Observed Incidence and SEER Delay Adjusted Incidence Rates<sup>a</sup> SEER 9 Areas Compared to SEER 13 Areas Cancer of the Lung and Bronchus, Male, by Race



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 4.0.3, April 2013, 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.

<sup>\*</sup> The APC is significantly different from zero (p < 0.05).

# SEER Observed Incidence and SEER Delay Adjusted Incidence Rates<sup>a</sup> SEER 9 Areas Compared to SEER 13 Areas Cancer of the Lung and Bronchus, Female, by Race



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 4.0.3, April 2013, 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.

<sup>\*</sup> The APC is significantly different from zero (p < 0.05).

#### Table 16.1 Melanoma of the Skin (Invasive)

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints, Both Sexes by Race/Ethnicity

	JP Tre	nd 1	JP Tr	end 2	JP Tre	end 3	JP Tr	end 4	JP Tr	end 5	JP Tr	end 6	AAI	C <sub>q</sub>
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adj	usted Inciden	nce <sup>a</sup> , 19'	75-2010											
All Races	1975-85	4.6*	1985-10	2.7*									2.7*	2.7*
White	1975-81	6.7*	1981-10	3.1*									3.1*	3.1*
Black	-	-											_	-
SEER 13 Delay-Ad	ljusted Incide	ence <sup>b</sup> , 19	992-2010											
All Races	1992-10	2.3*											2.3*	2.3*
White	1992-10	2.7*											2.7*	2.7*
Black	-	-											-	-
SEER 9 Observed		975-2010	<u>)</u>											
All Races	1975-85	4.6*	1985-10	2.6*									2.6*	2.6*
White	1975-81	6.2*	1981-05	3.2*	2005-10	1.7*							2.4*	1.7*
Black	1975-10	0.0											0.0	0.0
SEER 13 Observed			L <u>O</u>											
All Races	1992-96	4.6*	1996-10	1.9*									1.9*	1.9*
White	1992-96	5.3*	1996-10	2.3*									2.3*	2.3*
White NH <sup>ef</sup>	1992-10	3.1*											3.1*	3.1*
Black	1992-95	36.7*	1995-01	-7.9	2001-10	2.2							2.2	2.2
Black NH <sup>ef</sup>	1992-95	36.6	1995-01	-8.1	2001-10	2.5							2.5	2.5
API <sup>e</sup>	1992-10	0.6											0.6	0.6
AI/AN <sup>eg</sup>	1992-10	0.9											0.9	0.9
Hispanic <sup>f</sup>	1992-08	1.3*	2008-10	-13.2									-2.1	-6.3
U.S. Cancer Mort	ality <sup>c</sup> , 1975-	2010												
All Races	1975-90	1.5*	1990-02	-0.3	2002-10	0.5							0.4	0.5
White	1975-88	1.7*	1988-10	0.2*									0.2*	0.2*
Black	1975-10	-0.7*											-0.7*	-0.7*
U.S. Cancer Mort														
All Races	1992-10	0.1											0.1	0.1
White	1992-10	0.2*											0.2*	0.2*
White NH <sup>ef</sup>	1992-10	0.5*											0.5*	0.5*
Black	1992-10	-0.9*											-0.9*	-0.9*
Black NH <sup>ef</sup>	1992-10	-1.1*											-1.1*	-1.1*
API <sup>e</sup>	1992-10	-0.9											-0.9	-0.9
AI/AN <sup>eg</sup>	1992-10	2.2											2.2	2.2
Hispanic <sup>f</sup>	1992-10	0.0											0.0	0.0

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.

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

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

#### Table 16.2 Melanoma of the Skin (Invasive)

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 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	AAI	o Cq
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adju	sted Incide	nce <sup>a</sup> , 19	75-2010											
All Races	1975-86	5.6*	1986-10	2.9*									2.9*	2.9*
White	1975-86	5.9*	1986-10	3.2*									3.2*	3.2*
Black	_	-											-	-
SEER 13 Delay-Adj	usted Incide	ence <sup>b</sup> , 19	992-2010											
All Races	1992-10	2.4*											2.4*	2.4*
White	1992-10	2.8*											2.8*	2.8*
Black	-	-											-	-
SEER 9 Observed I	ncidenceª, 1	L975-2010	<u>0</u>											
All Races	1975-86	5.6*	1986-10	2.9*									2.9*	2.9*
White	1975-86	5.9*	1986-10	3.1*									3.1*	3.1*
Black	1975-10	0.1											0.1	0.1
SEER 13 Observed	Incidence <sup>b</sup> ,	1992-201	10											
All Races	1992-10	2.4*											2.4*	2.4*
White	1992-10	2.8*											2.8*	2.8*
White NH <sup>ef</sup>	1992-10	3.1*											3.1*	3.1*
Black	1992-95	75.1*	1995-04	-8.1*	2004-10	5.7							0.9	5.7
Black NH <sup>ef</sup>	1992-95	75.7*	1995-04	-7.8*	2004-10	5.5							0.9	5.5
API <sup>e</sup>	1992-10	1.1											1.1	1.1
AI/AN <sup>eg</sup>	1992-10	2.0											2.0	2.0
Hispanic <sup>f</sup>	1992-10	1.3*											1.3*	1.3*
U.S. Cancer Morta	lity <sup>c</sup> , 1975-	-2010												
All Races	1975-89	2.2*	1989-10	0.3*									0.3*	0.3*
White	1975-90	2.4*	1990-02	0.1	2002-10	1.0*							0.9*	1.0*
Black	1975-10	-0.7*											-0.7*	-0.7*
U.S. Cancer Morta	lity <sup>c</sup> , 1992-	-2010												
All Races	1992-10	0.4*											0.4*	0.4*
White	1992-10	0.5*											0.5*	0.5*
White NH <sup>ef</sup>	1992-10	0.7*											0.7*	0.7*
Black	1992-10	0.3											0.3	0.3
Black NH <sup>ef</sup>	1992-10	0.0											0.0	0.0
API <sup>e</sup>	1992-10	-1.1											-1.1	-1.1
AI/AN <sup>eg</sup>	1992-10	4.8*											4.8*	4.8*
$ exttt{Hispanic}^{ exttt{f}}$	1992-10	0.2											0.2	0.2

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 Regis

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.

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

<sup>-</sup> Joinpoint regression line analysis could not be performed on data series.

#### Table 16.3 Melanoma of the Skin (Invasive)

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints, Females by Race/Ethnicity

Years         APC         Years         APC <th< th=""><th></th><th>JP Tre</th><th>end 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 Tr</th><th>end 5</th><th>JP Tr</th><th>end 6</th><th>AAI</th><th>2C<sup>d</sup></th></th<>		JP Tre	end 1	JP Tre	end 2	JP Tre	end 3	JP Tre	end 4	JP Tr	end 5	JP Tr	end 6	AAI	2C <sup>d</sup>
All Races 1975-81 5.0* 1981-10 2.4*  White 1975-80 6.1* 1980-10 2.8*  Black  SEER 13 Delay-Adjusted Incidence <sup>b</sup> , 1992-2010  All Races 1992-97 3.9* 1997-10 1.7*  White 1992-10 2.6*  Black  SEER 9 Observed Incidence <sup>a</sup> , 1975-2010  All Races 1975-81 5.0* 1981-10 2.3*  White 1975-81 6.2* 1981-93 2.1* 1993-05 3.4* 2005-10 1.2  Black 1975-10 -0.3 -0.3		Years	APC	Years	APC	Years	APC					Years	APC		
All Races 1975-81 5.0* 1981-10 2.4*  White 1975-80 6.1* 1980-10 2.8*  Black  SEER 13 Delay-Adjusted Incidence <sup>b</sup> , 1992-2010  All Races 1992-97 3.9* 1997-10 1.7*  White 1992-10 2.6*  Black  SEER 9 Observed Incidence <sup>a</sup> , 1975-2010  All Races 1975-81 5.0* 1981-10 2.3*  White 1975-81 6.2* 1981-93 2.1* 1993-05 3.4* 2005-10 1.2  Black 1975-10 -0.3 -0.3	SEER 9 Delay-Adjust	ted Incide	nce <sup>a</sup> , 197	75-2010											
Black					2.4*									2.4*	2.4*
Black	White	1975-80	6.1*	1980-10	2.8*									2.8*	2.8*
All Races 1992-97 3.9* 1997-10 1.7*  White 1992-10 2.6*  Black  SEER 9 Observed Incidence <sup>a</sup> , 1975-2010  All Races 1975-81 5.0* 1981-10 2.3*  White 1975-81 6.2* 1981-93 2.1* 1993-05 3.4* 2005-10 1.2  Black 1975-10 -0.3  1.7* 1.7*  2.6* 2.6*  2.6* 2.6*  2.3*  2.3*  2.3*  2.3*  2.3*  2.3*  2.3*  2.3*  2.3*  2.3*  2.3*  2.3*  2.3*  2.3*	Black	-	-												
White 1992-10 2.6* 2.6* Black	SEER 13 Delay-Adjus	sted Incide	ence <sup>b</sup> , 19	992-2010											
Black       -       -       -       -       -         SEER 9 Observed Incidence <sup>a</sup> , 1975-2010       All Races       1975-81       5.0*       1981-10       2.3*       2.3*         White       1975-81       6.2*       1981-93       2.1*       1993-05       3.4*       2005-10       1.2       2.2*       1.2         Black       1975-10       -0.3       -0.3       -0.3       -0.3	All Races	1992-97	3.9*	1997-10	1.7*									1.7*	1.7*
SEER 9 Observed Incidence <sup>a</sup> , 1975-2010         All Races       1975-81       5.0*       1981-10       2.3*         White       1975-81       6.2*       1981-93       2.1*       1993-05       3.4*       2005-10       1.2         Black       1975-10       -0.3       -0.3       -0.3	White	1992-10	2.6*											2.6*	2.6*
All Races 1975-81 5.0* 1981-10 2.3* White 1975-81 6.2* 1981-93 2.1* 1993-05 3.4* 2005-10 1.2 Black 1975-10 -0.3 -0.3	Black	-	-											-	-
White 1975-81 6.2* 1981-93 2.1* 1993-05 3.4* 2005-10 1.2 2.2* 1.2 Black 1975-10 -0.3 -0.3	SEER 9 Observed Inc	cidenceª, 1	975-2010	<u>)</u>											
Black 1975-10 -0.3 -0.3	All Races	1975-81	5.0*	1981-10	2.3*									2.3*	2.3*
	White		6.2*	1981-93	2.1*	1993-05	3.4*	2005-10	1.2					2.2*	
10 cl	Black	1975-10	-0.3											-0.3	-0.3
SEER 13 Observed Incidence <sup>b</sup> , 1992-2010	SEER 13 Observed In	ncidence <sup>b</sup> ,	1992-201	<u>LO</u>											
All Races 1992-97 4.0* 1997-10 1.6* 1.6*		1992-97	4.0*	1997-10	1.6*									1.6*	
White 1992-97 4.8* 1997-10 2.1* 2.1*	White	1992-97	4.8*	1997-10	2.1*									2.1*	2.1*
White NH <sup>ef</sup> 1992-05 3.6* 2005-10 1.4 2.4* 1.4	White NH <sup>ef</sup>	1992-05	3.6*	2005-10	1.4										1.4
Black 1992-10 0.0 0.0 0.0		1992-10												0.0	0.0
Black NH <sup>ef</sup> 1992-10 0.1 0.1	Black NH <sup>ef</sup>	1992-10	0.1											0.1	0.1
API $^{\rm e}$ 1992–10 0.2 0.2	API <sup>e</sup>	1992-10	0.2											0.2	0.2
$AI/AN^{eg}$ 1992-10 -0.2 -0.2	AI/AN <sup>eg</sup>	1992-10	-0.2											-0.2	-0.2
Hispanic <sup>f</sup> 1992-10 -0.1 -0.1	Hispanic <sup>f</sup>	1992-10	-0.1											-0.1	-0.1
U.S. Cancer Mortality <sup>c</sup> , 1975-2010	U.S. Cancer Mortal:	ity <sup>c</sup> , 1975-	-2010												
All Races 1975-88 0.8* 1988-10 -0.5* -0.5*	All Races	1975-88	0.8*	1988-10	-0.5*									-0.5*	-0.5*
White 1975-86 1.1* 1986-10 -0.3* -0.3*	White	1975-86	1.1*	1986-10	-0.3*									-0.3*	-0.3*
Black 1975-10 -0.7* -0.7*	Black	1975-10	-0.7*											-0.7*	-0.7*
U.S. Cancer Mortality <sup>c</sup> , 1992-2010	U.S. Cancer Mortal:	ity <sup>c</sup> , 1992-	-2010												
All Races 1992-10 -0.5* -0.5*	All Races	1992-10	-0.5*											-0.5*	-0.5*
White $1992-10 -0.3*$ $-0.3*$		1992-10												-0.3*	-0.3*
White NH <sup>ef</sup> 1992-10 0.0 0.0 0.0	White NH <sup>ef</sup>	1992-10	0.0											0.0	0.0
Black 1992-10 -1.8* -1.8*		1992-10													
Black NH <sup>ef</sup> 1992-10 -1.9* -1.9*		1992-10	-1.9*											-1.9*	-1.9*
$API^{e}$ 1992-10 -0.5 -0.5	API <sup>e</sup>	1992-10	-0.5											-0.5	-0.5
AI/AN <sup>eg</sup> – –	AI/AN <sup>eg</sup>	-	-											-	-
Hispanic $^{f}$ 1992-10 -0.4 -0.4	Hispanic <sup>f</sup>	1992-10	-0.4											-0.4	-0.4

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

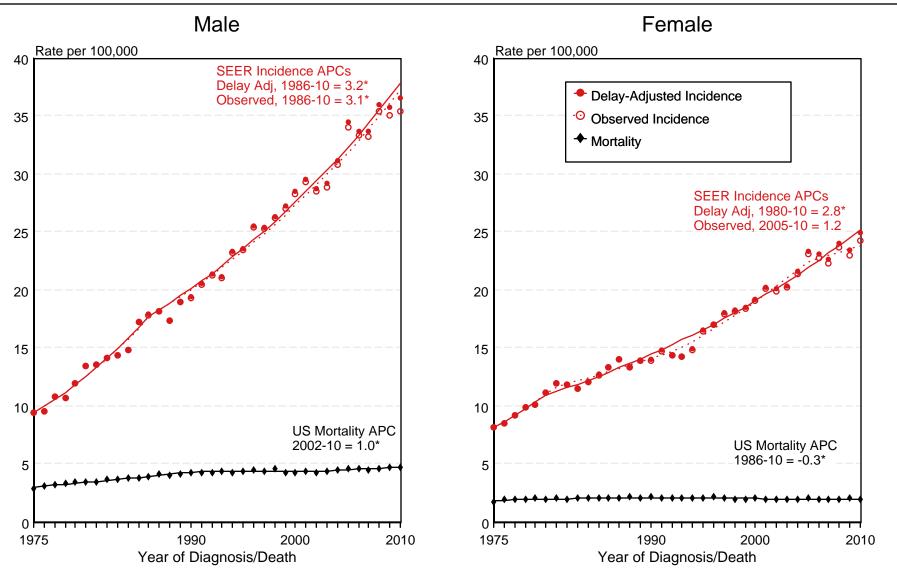
Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, SC, OK and VT.

The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, SC, OK and VI Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

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

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

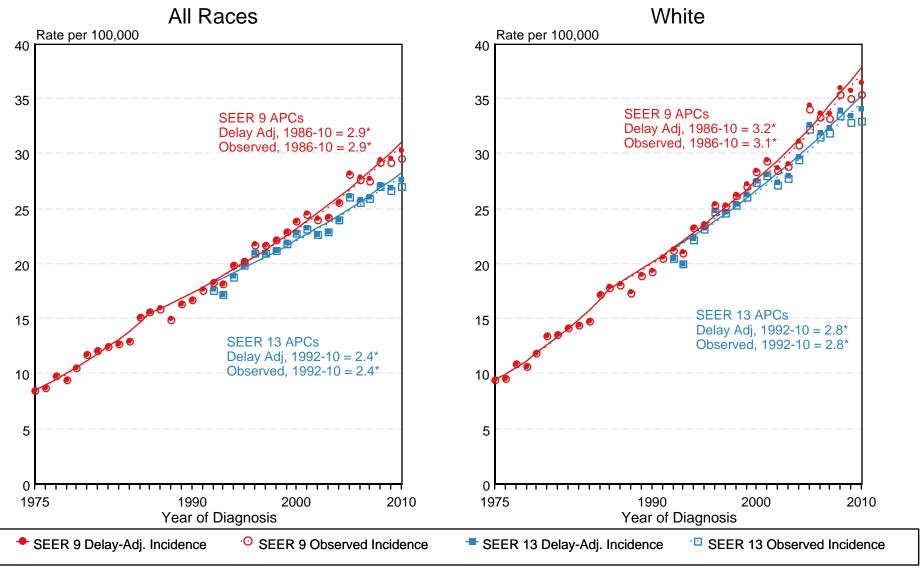
## SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates<sup>a</sup> Melanoma of the Skin, White, by Sex



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 and APCs are calculated using the Joinpoint Regression Program Version 4.0.3, April 2013, 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).

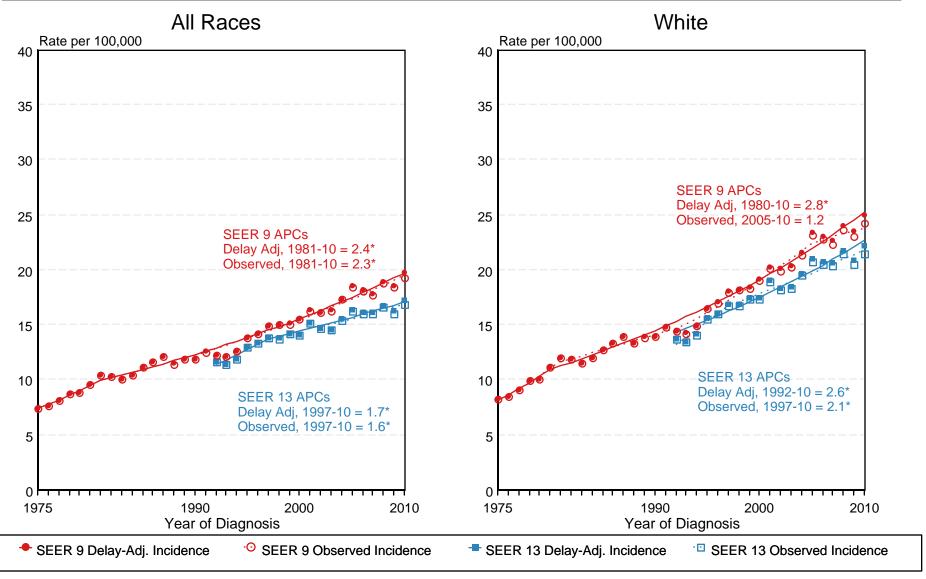
# SEER Observed Incidence and SEER Delay Adjusted Incidence Rates<sup>a</sup> SEER 9 Areas Compared to SEER 13 Areas Melanoma of the Skin, Male, by Race



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 4.0.3, April 2013, 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.

<sup>\*</sup> The APC is significantly different from zero (p < 0.05).

# SEER Observed Incidence and SEER Delay Adjusted Incidence Rates<sup>a</sup> SEER 9 Areas Compared to SEER 13 Areas Melanoma of the Skin, Female, by Race



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 4.0.3, April 2013, 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.

<sup>\*</sup> The APC is significantly different from zero (p < 0.05).

Table 18.1 Myeloma

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 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 Tr	end 5	JP Tr	end 6	AAI	C <sub>q</sub>
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adjus	sted Incide	nce <sup>a</sup> , 197	75-2010											
All Races	1975-07	0.8*	2007-10	3.6									1.7*	2.9
White	1975-10	0.8*											0.8*	0.8*
Black	1975-95	1.3*	1995-02	-1.5	2002-10	3.4*							2.8*	3.4*
SEER 13 Delay-Adj	usted Incide	ence <sup>b</sup> , 19	992-2010											
All Races	1992-07	0.4*	2007-10	4.3*									1.7*	3.3*
White	1992-08	0.5*	2008-10	6.0									1.7*	3.2
Black	1992-10	0.9*											0.9*	0.9*
SEER 9 Observed I	ncidenceª, 1		<u>)</u>											
All Races	1975-10	0.7*											0.7*	0.7*
White	1975-10	0.7*											0.7*	0.7*
Black	1975-10	0.7*											0.7*	0.7*
SEER 13 Observed	Incidence <sup>b</sup> ,	1992-201	L <u>O</u>											
All Races	1992-10	0.4*											0.4*	0.4*
White	1992-10	0.3*											0.3*	0.3*
White NH <sup>ef</sup>	1992-10	0.4*											0.4*	0.4*
Black	1992-10	0.4											0.4	0.4
Black NH <sup>ef</sup>	1992-10	0.4											0.4	0.4
API <sup>e</sup>	1992-10	0.3											0.3	0.3
AI/AN <sup>eg</sup>	1992-10	-0.6											-0.6	-0.6
Hispanic <sup>f</sup>	1992-10	0.0											0.0	0.0
U.S. Cancer Morta	lity <sup>c</sup> , 1975-	-2010												
All Races	1975-94	1.4*	1994-02	-0.7*	2002-10	-1.8*							-1.7*	-1.8*
White	1975-94	1.4*	1994-02	-0.6*	2002-10	-1.8*							-1.6*	-1.8*
Black	1975-82	3.3*	1982-95	1.4*	1995-10	-1.6*							-1.6*	-1.6*
U.S. Cancer Morta	lity <sup>c</sup> , 1992-	-2010												
All Races	1992-94	2.0	1994-02	-0.7*	2002-10	-1.8*							-1.7*	-1.8*
White	1992-02	-0.3	2002-10	-1.9*									-1.7*	-1.9*
White NH <sup>ef</sup>	1992-02	-0.2	2002-10	-1.9*									-1.7*	-1.9*
Black	1992-98	0.0	1998-10	-1.9*									-1.9*	-1.9*
Black NH <sup>ef</sup>	1992-95	2.6	1995-10	-1.6*									-1.6*	-1.6*
API <sup>e</sup>	1992-10	-0.6											-0.6	-0.6
AI/AN <sup>eg</sup>	1992-10	-1.6											-1.6	-1.6
Hispanic <sup>f</sup>	1992-10	-0.7											-0.7	-0.7

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.

e 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.

The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, SC, OK and VI Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

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

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

Table 18.2 Myeloma

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 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 Tr	end 5	JP Tr	end 6	AAI	⊇C <sub>q</sub>
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adju	sted Incider	nce <sup>a</sup> , 197	5-2010											
All Races	1975-10	0.9*											0.9*	0.9*
White	1975-10	0.9*											0.9*	0.9*
Black	1975-10	0.8*											0.8*	0.8*
SEER 13 Delay-Adj	usted Incide	ence <sup>b</sup> , 19	92-2010											
All Races	1992-06	0.4	2006-10	3.5*									1.8*	3.5*
White	1992-10	0.9*											0.9*	0.9*
Black	1992-10	1.2*											1.2*	1.2*
SEER 9 Observed In	ncidenceª, 1	975-2010												
All Races	1975-10	0.7*											0.7*	0.7*
White	1975-10	0.8*											0.8*	0.8*
Black	1975-10	0.6*											0.6*	0.6*
SEER 13 Observed	Incidence <sup>b</sup> ,	1992-201	0											
All Races	1992-10	0.5*											0.5*	0.5*
White	1992-10	0.5*											0.5*	0.5*
White NH <sup>ef</sup>	1992-10	0.5*											0.5*	0.5*
Black	1992-10	0.7											0.7	0.7
Black NH <sup>ef</sup>	1992-10	0.7											0.7	0.7
API <sup>e</sup>	1992-10	0.1											0.1	0.1
AI/AN <sup>eg</sup>	1992-10	-1.6											-1.6	-1.6
Hispanic <sup>f</sup>	1992-10	0.3											0.3	0.3
U.S. Cancer Morta	lity <sup>c</sup> , 1975-	2010												
All Races	1975-94	1.5*	1994-10	-1.1*									-1.1*	-1.1*
White	1975-95	1.4*	1995-10	-1.1*									-1.1*	-1.1*
Black	1975-82	3.7*	1982-94	1.2*	1994-10	-1.5*							-1.5*	-1.5*
U.S. Cancer Morta	lity <sup>c</sup> , 1992-	2010												
All Races	1992-94	3.3	1994-10	-1.1*									-1.1*	-1.1*
White	1992-94	3.8	1994-10	-1.1*									-1.1*	-1.1*
White NH <sup>ef</sup>	1992-94	4.6	1994-10	-1.1*									-1.1*	-1.1*
Black	1992-10	-1.3*											-1.3*	-1.3*
Black NH <sup>ef</sup>	1992-10	-1.2*											-1.2*	-1.2*
API <sup>e</sup>	1992-03	-2.5	2003-10	3.6									2.2	3.6
AI/AN <sup>eg</sup>	1992-10	-1.0											-1.0	-1.0
Hispanic <sup>f</sup>	1992-10	-0.6											-0.6	-0.6

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).

<sup>-</sup> Joinpoint regression line analysis could not be performed on data series.

Table 18.3 Myeloma

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints, Females 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	AAI	PC <sup>d</sup>
	Years APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adju	usted Incidencea, 1	975-2010											
All Races	1975-10 0.7*											0.7*	0.7*
White	1975-10 0.6*											0.6*	0.6*
Black	1975-10 1.0*											1.0*	1.0*
SEER 13 Delay-Ad	justed Incidence <sup>b</sup> ,	1992-2010											
All Races	1992-10 0.5*											0.5*	0.5*
White	1992-10 0.5*											0.5*	0.5*
Black	1992-10 0.6											0.6	0.6
SEER 9 Observed 1	Incidence <sup>a</sup> , 1975-20	10											
All Races	1975-10 0.5*											0.5*	0.5*
White	1975-10 0.4*											0.4*	0.4*
Black	1975-10 0.8*											0.8*	0.8*
	Incidence <sup>b</sup> , 1992-2	010											
All Races	1992-10 0.1											0.1	0.1
White	1992-10 0.0											0.0	0.0
White NH <sup>ef</sup>	1992-10 0.0											0.0	0.0
Black	1992-10 0.1											0.1	0.1
Black NH <sup>ef</sup>	1992-10 0.1											0.1	0.1
API <sup>e</sup>	1992-10 0.7											0.7	0.7
AI/AN <sup>eg</sup>	1992-10 0.1											0.1	0.1
Hispanic <sup>f</sup>	1992-10 -0.4											-0.4	-0.4
U.S. Cancer Morta	ality <sup>c</sup> , 1975-2010												
All Races	1975-93 1.5*			2001-10								-2.3*	-2.3*
White	1975-93 1.4*			2002-10	-2.4*							-2.2*	-2.4*
Black	1975-95 2.1*	1995-10	-1.8*									-1.8*	-1.8*
U.S. Cancer Morta													
All Races	1992-00 -0.1	2000-10										-2.2*	-2.2*
White	1992-01 -0.3	2001-10										-2.2*	-2.2*
White NH <sup>ef</sup>	1992-02 -0.4	2002-10										-2.3*	-2.5*
Black	1992-99 0.3	1999-10	-2.4*									-2.4*	-2.4*
Black NH <sup>ef</sup>	1992-95 3.8	1995-10	-1.9*									-1.9*	-1.9*
API <sup>e</sup>	1992-10 -1.2											-1.2	-1.2
AI/AN <sup>eg</sup>	1992-10 -2.4											-2.4	-2.4
Hispanic <sup>f</sup>	1992-97 5.7	1997-10	-2.0*									-2.0*	-2.0*

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

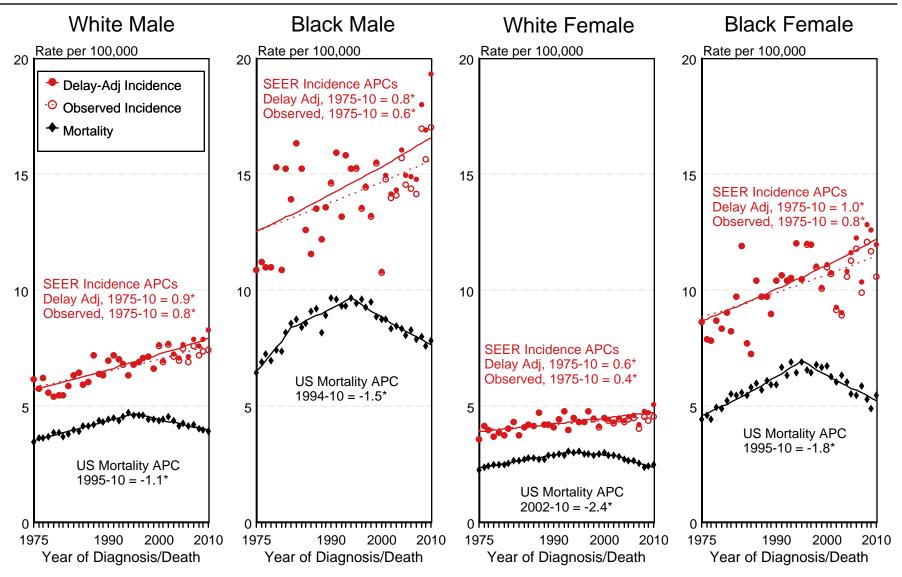
Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude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

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

<sup>-</sup> Joinpoint regression line analysis could not be performed on data series.

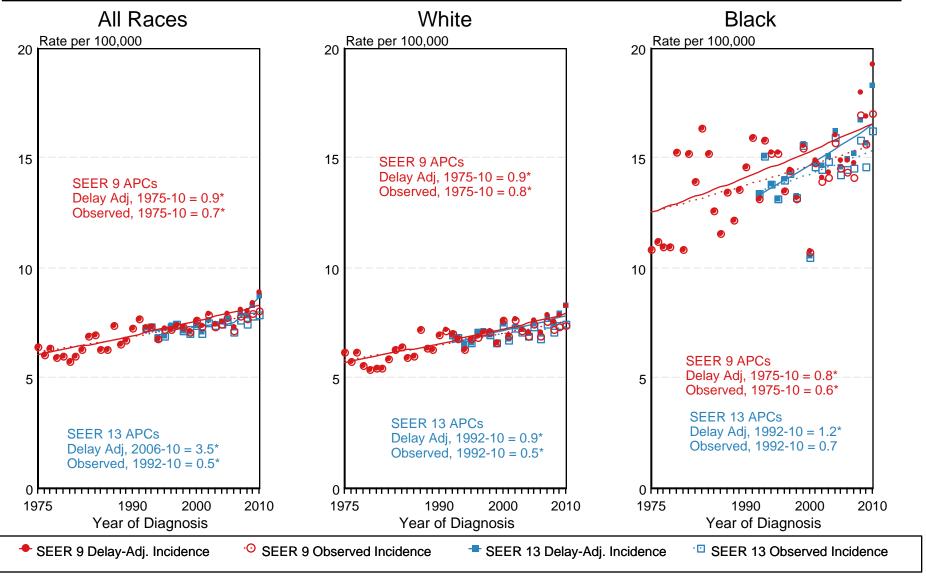
### SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates<sup>a</sup> Myeloma, by Race and Sex



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 and APCs are calculated using the Joinpoint Regression Program Version 4.0.3, April 2013, 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).

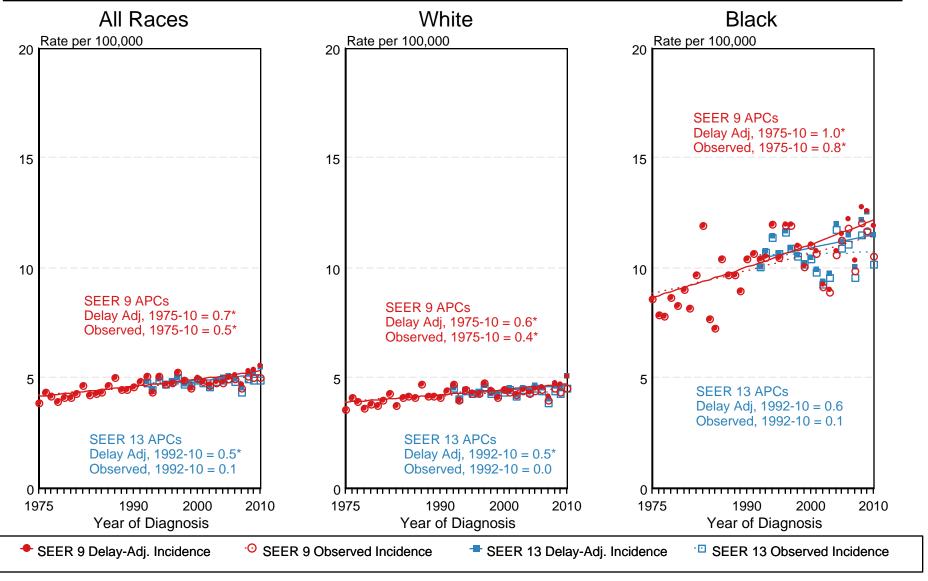
#### SEER Observed Incidence and SEER Delay Adjusted Incidence Rates<sup>a</sup> SEER 9 Areas Compared to SEER 13 Areas Myeloma, Male, by Race



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 4.0.3, April 2013, 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.

<sup>\*</sup> The APC is significantly different from zero (p < 0.05).

### SEER Observed Incidence and SEER Delay Adjusted Incidence Rates<sup>a</sup> SEER 9 Areas Compared to SEER 13 Areas Myeloma, Female, by Race



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 4.0.3, April 2013, 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.

<sup>\*</sup> The APC is significantly different from zero (p < 0.05).

#### Table 19.1 Non-Hodgkin Lymphoma

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 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 <sup>d</sup>	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adjusted	d Inciden	nce <sup>a</sup> , 197	5-2010											
All Races	1975-91	3.6*	1991-10	0.6*									0.6*	0.6*
White	1975-90	3.8*	1990-10	0.8*									0.8*	0.8*
Black	1975-93	4.7*	1993-10	0.8*									0.8*	0.8*
SEER 13 Delay-Adjust	ed Incide	ence <sup>b</sup> , 19	92-2010											
	1992-10	0.5*											0.5*	0.5*
White	1992-10	0.6*											0.6*	0.6*
Black	1992-10	0.8*											0.8*	0.8*
SEER 9 Observed Incid			<u>)</u>											
All Races	1975-91	3.6*	1991-10	0.5*									0.5*	0.5*
	1975-90	3.8*	1990-04	0.9*	2004-10	-0.1							0.2	-0.1
Black	1975-93	4.7*	1993-10	0.6*									0.6*	0.6*
SEER 13 Observed Inc.	idence <sup>b</sup> ,	1992-201	.0											
	1992-10	0.4*											0.4*	0.4*
	1992-10	0.5*											0.5*	0.5*
	1992-10	0.6*											0.6*	0.6*
	1992-10	0.6*											0.6*	0.6*
	1992-10	0.7*											0.7*	0.7*
	1992-10	0.2											0.2	0.2
	1992-10	2.8*											2.8*	2.8*
Hispanic <sup>f</sup>	1992-10	0.6*											0.6*	0.6*
U.S. Cancer Mortality	y <sup>c</sup> , 1975-	2010												
All Races	1975-91	2.5*	1991-97	1.6*	1997-06	-3.1*	2006-10	-2.2*					-2.7*	-2.2*
White	1975-94	2.4*	1994-97	0.8	1997-10	-2.9*							-2.9*	-2.9*
Black	1975-96	2.7*	1996-10	-2.5*									-2.5*	-2.5*
U.S. Cancer Mortality	y <sup>c</sup> , 1992-	2010												
All Races	1992-97	1.7*	1997-05	-3.2*	2005-10	-2.4*							-2.7*	-2.4*
	1992-97	1.5*	1997-10	-2.9*									-2.9*	-2.9*
White NH <sup>ef</sup>	1992-97	1.8*	1997-10	-2.9*									-2.9*	-2.9*
Black	1992-97	1.8	1997-10	-2.6*									-2.6*	-2.6*
Black NH <sup>ef</sup>	1992-96	3.4	1996-10	-2.3*									-2.3*	-2.3*
API <sup>e</sup>	1992-10	-2.0*											-2.0*	-2.0*
AI/AN <sup>eg</sup>														
	1992-10	0.0											0.0	0.0

Joinpoint Regression Program Version 4.0.3, April 2013, National Cancer Institute. (<a href="http://surveillance.cancer.gov/joinpoint/">http://surveillance.cancer.gov/joinpoint/</a>).
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.

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

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

#### Table 19.2 Non-Hodgkin Lymphoma

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints, Males by Race/Ethnicity

	JP Tre	JP Trend 1		JP Trend 2		JP Trend 3		JP Trend 4		JP Trend 5		JP Trend 6		⊃C <sub>q</sub>
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	
SEER 9 Delay-Adju	sted Incider	nce <sup>a</sup> , 197	75-2010											
All Races	1975-91	4.2*	1991-10	0.5*									0.5*	0.5*
White	1975-90	4.4*	1990-10	0.6*									0.6*	0.6*
Black	1975-94	5.4*	1994-10	-0.1									-0.1	-0.1
SEER 13 Delay-Adj	usted Incide	ence <sup>b</sup> , 19	992-2010											
All Races	1992-95	2.8	1995-98	-2.2	1998-10	0.7*							0.7*	0.7*
White	1992-95	2.7*	1995-98	-2.0	1998-10	0.8*							0.8*	0.8*
Black	1992-10	0.1											0.1	0.1
SEER 9 Observed In	ncidenceª, 1	975-2010	<u>)</u>											
All Races	1975-91	4.2*	1991-10	0.4*									0.4*	0.4*
White	1975-90	4.5*	1990-10	0.5*									0.5*	0.5*
Black	1975-94	5.4*	1994-10	-0.2									-0.2	-0.2
SEER 13 Observed	Incidence <sup>b</sup> ,	1992-201	<u>LO</u>											
All Races	1992-95	2.8	1995-98	-2.1	1998-10	0.5*							0.5*	0.5*
White	1992-95	2.6	1995-98	-1.9	1998-10	0.5*							0.5*	0.5*
White NH <sup>ef</sup>	1992-10	0.4*											0.4*	0.4*
Black	1992-10	0.0											0.0	0.0
Black NH <sup>ef</sup>	1992-10	0.0											0.0	0.0
API <sup>e</sup>	1992-10	0.1											0.1	0.1
AI/AN <sup>eg</sup>	1992-10	2.5*											2.5*	2.5*
Hispanic <sup>f</sup>	1992-10	0.4											0.4	0.4
U.S. Cancer Morta	lity <sup>c</sup> , 1975-	2010												
All Races	1975-96	2.5*	1996-10	-2.6*									-2.6*	-2.6*
White	1975-96	2.5*	1996-10	-2.6*									-2.6*	-2.6*
Black	1975-96	2.7*	1996-10	-2.6*									-2.6*	-2.6*
U.S. Cancer Morta	lity <sup>c</sup> , 1992-	2010												
All Races	1992-97	1.5*	1997-10	-2.7*									-2.7*	-2.7*
White	1992-97	1.5*	1997-10	-2.7*									-2.7*	-2.7*
White NH <sup>ef</sup>	1992-97	2.0*	1997-10	-2.6*									-2.6*	-2.6*
Black	1992-96	3.0	1996-10	-2.6*									-2.6*	-2.6*
Black NH <sup>ef</sup>	1992-10	-1.6*											-1.6*	-1.6*
API <sup>e</sup>	1992-10	-2.2*											-2.2*	-2.2*
AI/AN <sup>eg</sup>	1992-10	-0.6											-0.6	-0.6
Hispanic <sup>f</sup>	1992-10	-1.7*											-1.7*	-1.7*

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.

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.

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

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

#### Table 19.3 Non-Hodgkin Lymphoma

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 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 <sup>d</sup>	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adjus	sted Incider	nce <sup>a</sup> , 197	75-2010											
All Races	1975-90	2.8*	1990-04	1.3*	2004-10	-0.3							0.2	-0.3
White	1975-88	3.1*	1988-04	1.4*	2004-10	-0.4							0.2	-0.4
Black	1975-82	9.0*	1982-10	2.0*									2.0*	2.0*
SEER 13 Delay-Adj	992-2010													
All Races	1992-03	1.3*	2003-10	0.0									0.3	0.0
White	1992-04	1.3*	2004-10	0.1									0.5	0.1
Black	1992-98	5.5*	1998-10	0.5									0.5	0.5
SEER 9 Observed In	ncidenceª, 1	975-2010	<u>)</u>											
All Races	1975-90	2.8*	1990-04	1.2*	2004-10	-0.6							0.0	-0.6
White	1975-88	3.1*	1988-04	1.4*	2004-10	-0.8							-0.1	-0.8
Black	1975-83	7.9*	1983-10	1.9*									1.9*	1.9*
SEER 13 Observed	Incidence <sup>b</sup> ,	1992-201	_0											
All Races	1992-03	1.3*	2003-10	-0.2									0.1	-0.2
White	1992-04	1.3*	2004-10	-0.4									0.2	-0.4
White NH <sup>ef</sup>	1992-04	1.4*	2004-10	-0.6									0.1	-0.6
Black	1992-98	5.6*	1998-10	0.3									0.3	0.3
Black NH <sup>ef</sup>	1992-04	2.9*	2004-10	-1.5									-0.1	-1.5
API <sup>e</sup>	1992-10	0.4											0.4	0.4
AI/AN <sup>eg</sup>	1992-10	2.9*											2.9*	2.9*
Hispanic <sup>f</sup>	1992-10	1.0*											1.0*	1.0*
U.S. Cancer Morta	lity <sup>c</sup> , 1975-	2010												
All Races	1975-94	2.2*	1994-97	0.9	1997-10	-3.2*							-3.2*	-3.2*
White	1975-96	2.2*	1996-10	-3.1*									-3.1*	-3.1*
Black	1975-97	2.6*	1997-10	-2.7*									-2.7*	-2.7*
U.S. Cancer Morta		2010												
All Races	1992-94	3.4*	1994-98	0.1	1998-04	-3.7*	2004-10	-2.8*					-3.1*	-2.8*
White	1992-94	3.5*	1994-98	0.2	1998-03	-3.8*	2003-10	-2.9*					-3.1*	-2.9*
White NH <sup>ef</sup>	1992-94	4.1*	1994-98	-0.2	1998-10	-3.3*							-3.3*	-3.3*
Black	1992-97	2.1	1997-10	-2.6*									-2.6*	-2.6*
Black NH <sup>ef</sup>	1992-97	2.8	1997-10	-2.5*									-2.5*	-2.5*
API <sup>e</sup>	1992-10	-1.7*											-1.7*	-1.7*
AI/AN <sup>eg</sup>	1992-10	0.4											0.4	0.4
Hispanic <sup>f</sup>	1992-97	2.6	1997-10	-2.0*									-2.0*	-2.0*

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.

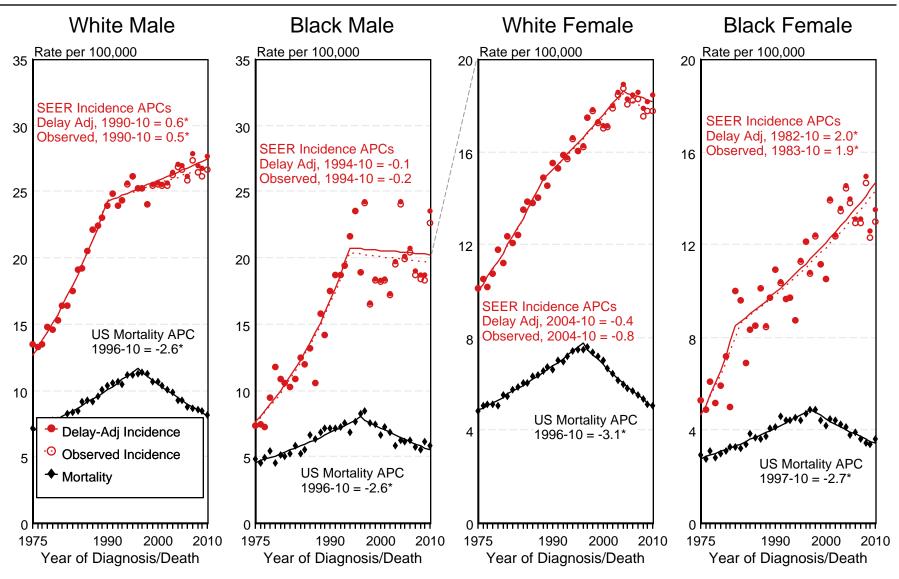
API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases 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.

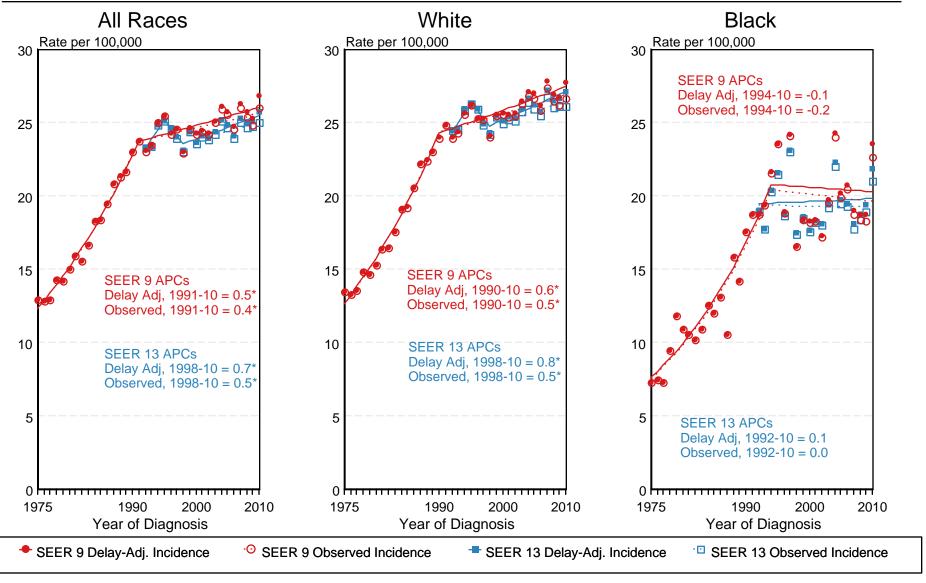
## SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates<sup>a</sup> Non-Hodgkin Lymphoma, by Race and Sex



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 and APCs are calculated using the Joinpoint Regression Program Version 4.0.3, April 2013, 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).

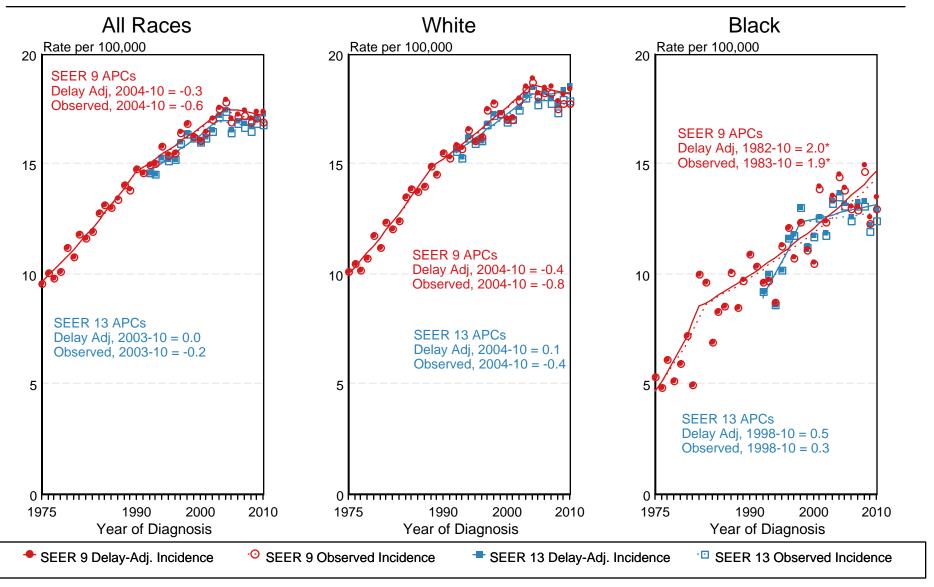
### SEER Observed Incidence and SEER Delay Adjusted Incidence Rates<sup>a</sup> SEER 9 Areas Compared to SEER 13 Areas Non-Hodgkin Lymphoma, Male, by Race



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 4.0.3, April 2013, 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.

<sup>\*</sup> The APC is significantly different from zero (p < 0.05).

#### SEER Observed Incidence and SEER Delay Adjusted Incidence Rates<sup>a</sup> SEER 9 Areas Compared to SEER 13 Areas Non-Hodgkin Lymphoma, Female, by Race



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 4.0.3, April 2013, 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.

<sup>\*</sup> The APC is significantly different from zero (p < 0.05).

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

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 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 Tr	end 5	JP Tr	end 6	AAI	PC <sup>d</sup>
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adjust	ed Incide	nceª, 197	75-2010											
All Races	1975-81	0.7	1981-03	-1.1*	2003-10	0.5							0.2	0.5
White	1975-83	0.1	1983-00	-1.2*	2000-10	0.5							0.5	0.5
Black	1975-84	2.3*	1984-10	-2.4*									-2.4*	-2.4*
SEER 13 Delay-Adjus	sted Incide	ence <sup>b</sup> , 19	992-2010											
All Races	1992-03	-1.3*	2003-10	0.4									0.1	0.4
White	1992-03	-1.1*	2003-10	0.9*									0.5	0.9*
Black	1992-10	-2.5*											-2.5*	-2.5*
SEER 9 Observed Inc	cidenceª, 1	1975-2010	<u>)</u>											
All Races	1975-81	0.7	1981-03	-1.1*	2003-10	0.4							0.1	0.4
White	1975-83	0.1	1983-00	-1.2*	2000-10	0.4							0.4	0.4
Black	1975-84	2.5*	1984-10	-2.6*									-2.6*	-2.6*
SEER 13 Observed Ir	ncidence <sup>b</sup> ,	1992-201	_0											
All Races	1992-03	-1.3*	2003-10	0.3									-0.1	0.3
White	1992-03	-1.1*	2003-10	0.7									0.3	0.7
White NH <sup>ef</sup>	1992-03	-0.8*	2003-10	0.9*									0.5	0.9*
Black	1992-10	-2.6*											-2.6*	-2.6*
Black NH <sup>ef</sup>	1992-10	-2.6*											-2.6*	-2.6*
API <sup>e</sup>	1992-10	-1.1*											-1.1*	-1.1*
AI/AN <sup>eg</sup>	1992-10	-2.3*											-2.3*	-2.3*
Hispanic <sup>f</sup>	1992-10	-0.7*											-0.7*	-0.7*
U.S. Cancer Mortali	ty <sup>c</sup> , 1975-	-2010												
All Races	1975-92	-1.5*	1992-00	-2.7*	2000-10	-1.3*							-1.3*	-1.3*
White	1975-05	-1.9*	2005-10	0.0									-0.8*	0.0
Black	1975-80	3.2*	1980-93	-1.5*	1993-10	-4.0*							-4.0*	-4.0*
U.S. Cancer Mortali	ty <sup>c</sup> , 1992-	-2010												
All Races	1992-00	-2.7*	2000-10	-1.3*									-1.3*	-1.3*
White	1992-00	-2.4*	2000-10	-0.8*									-0.8*	-0.8*
White NH <sup>ef</sup>	1992-00	-2.1*	2000-10	-0.6*									-0.6*	-0.6*
Black	1992-10	-4.0*											-4.0*	-4.0*
Black NH <sup>ef</sup>	1992-10	-3.7*											-3.7*	-3.7*
API <sup>e</sup>	1992-10	-2.3*											-2.3*	-2.3*
AI/AN <sup>eg</sup>	1992-10	-2.0*											-2.0*	-2.0*
Hispanic <sup>f</sup>	1992-10	-2.4*											-2.4*	-2.4*

Joinpoint Regression Program Version 4.0.3, April 2013, National Cancer Institute. (<a href="http://surveillance.cancer.gov/joinpoint/">http://surveillance.cancer.gov/joinpoint/</a>). 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.

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

<sup>-</sup> Joinpoint regression line analysis could not be performed on data series.

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

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints, Males 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	AAI	PC <sup>d</sup>
<u></u>	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	
SEER 9 Delay-Adjusted	Inciden	ce <sup>a</sup> , 197	5-2010											
	975-83	-0.1	1983-01	-1.5*	2001-10	0.3							0.3	0.3
White 19	975-01	-1.2*	2001-10	0.6									0.6	0.6
Black 19	975-87	1.9*	1987-10	-3.1*									-3.1*	-3.1*
SEER 13 Delay-Adjusted	d Incide	nce <sup>b</sup> , 19	92-2010											
All Races 19	992-03	-1.5*	2003-10	0.7									0.2	0.7
White 19	992-01	-1.5*	2001-10	0.7*									0.7*	0.7*
Black 19	992-10	-3.0*											-3.0*	-3.0*
SEER 9 Observed Incide	enceª, 1	975-2010												
All Races 19	975-83	-0.1	1983-01	-1.5*	2001-10	0.2							0.2	0.2
White 19	975-01	-1.2*	2001-10	0.5									0.5	0.5
Black 19	975-87	1.9*	1987-10	-3.2*									-3.2*	-3.2*
SEER 13 Observed Incid	dence <sup>b</sup> , i	1992-201	<u>0</u>											
	992-03	-1.5*	2003-10	0.5									0.0	0.5
	992-01	-1.5*	2001-10	0.5									0.5	0.5
	992-01	-1.2*	2001-10	0.7*									0.7*	0.7*
	992-10	-3.1*											-3.1*	-3.1*
	992-10	-3.1*											-3.1*	-3.1*
	992-10	-1.0*											-1.0*	-1.0*
	992-10	-3.2*											-3.2*	-3.2*
Hispanic <sup>f</sup> 19	992-10	-1.0*											-1.0*	-1.0*
U.S. Cancer Mortality <sup>c</sup>		2010												
All Races 19	975-93	-1.9*	1993-00	-3.0*	2000-10	-1.2*							-1.2*	-1.2*
White 19	975-00	-2.2*	2000-10	-0.8*									-0.8*	-0.8*
Black 19	975-80	3.8*	1980-93	-1.5*	1993-10	-4.1*							-4.1*	-4.1*
U.S. Cancer Mortality <sup>c</sup>	, 1992-	2010												
All Races 19	992-00	-2.9*	2000-10	-1.2*									-1.2*	-1.2*
	992-00	-2.6*	2000-10	-0.7*									-0.7*	-0.7*
White NH <sup>ef</sup> 19	992-00	-2.4*	2000-10	-0.4									-0.4	-0.4
	992-10	-4.0*											-4.0*	-4.0*
	992-10	-3.7*											-3.7*	-3.7*
API <sup>e</sup> 19	992-10	-2.5*											-2.5*	-2.5*
	992-10	-2.8*											-2.8*	-2.8*
Hispanic <sup>f</sup> 19	992-08	-3.4*	2008-10	3.6									-1.9	0.0

Joinpoint Regression Program Version 4.0.3, April 2013, National Cancer Institute. (<a href="http://surveillance.cancer.gov/joinpoint/">http://surveillance.cancer.gov/joinpoint/</a>).
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 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.

The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, SC, OK and VI
Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

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

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

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

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints, Females 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	AAI	PC <sup>d</sup>
	Years APO	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adju	sted Incidencea,	1975-2010											
All Races	1975-79 3.4		-0.8*									-0.8*	-0.8*
White	1975-81 1.8	1981-10	-0.8*									-0.8*	-0.8*
Black	1975-10 -1.4	*										-1.4*	-1.4*
SEER 13 Delay-Adj	justed Incidence <sup>b</sup> ,	1992-2010											
All Races	1992-10 -0.9	*										-0.9*	-0.9*
White	1992-10 -0.8	<b>*</b>										-0.8*	-0.8*
Black	1992-10 -1.2	*										-1.2*	-1.2*
SEER 9 Observed I	Incidence <sup>a</sup> , 1975-2	010											
All Races	1975-79 3.4	1979-10	-0.8*									-0.8*	-0.8*
White	1975-81 1.8	1981-10	-0.8*									-0.8*	-0.8*
Black	1975-10 -1.4	·*										-1.4*	-1.4*
SEER 13 Observed	Incidenceb, 1992-	2010											
All Races	1992-10 -0.9											-0.9*	-0.9*
White	1992-10 -0.9											-0.9*	-0.9*
White NH <sup>ef</sup>	1992-10 -0.5											-0.7*	-0.7*
Black	1992-10 -1.4											-1.4*	-1.4*
Black NH <sup>ef</sup>	1992-10 -1.4											-1.4*	-1.4*
API <sup>e</sup>	1992-10 -1.0											-1.0*	-1.0*
AI/AN <sup>eg</sup>	1992-10 -0.6											-0.6	-0.6
Hispanic <sup>f</sup>	1992-10 -0.5	j										-0.5	-0.5
U.S. Cancer Morta													
All Races	1975-90 -0.9		-2.4*	2005-10								-1.6*	-0.9
White	1975-90 -1.0		-2.3*	2003-10	-1.1*							-1.3*	-1.1*
Black	1975-91 -0.3	1991-10	-3.6*									-3.6*	-3.6*
U.S. Cancer Morta													
All Races	1992-10 -2.1											-2.1*	-2.1*
White	1992-10 -1.9											-1.9*	-1.9*
White NH <sup>ef</sup>	1992-10 -1.7											-1.7*	-1.7*
Black	1992-10 -3.7											-3.7*	-3.7*
Black NH <sup>ef</sup>	1992-10 -3.5											-3.5*	-3.5*
API <sup>e</sup>	1992-10 -1.7											-1.7*	-1.7*
AI/AN <sup>eg</sup>	1992-10 -0.2											-0.2	-0.2
Hispanic <sup>f</sup>	1992-10 -1.2	2*										-1.2*	-1.2*

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

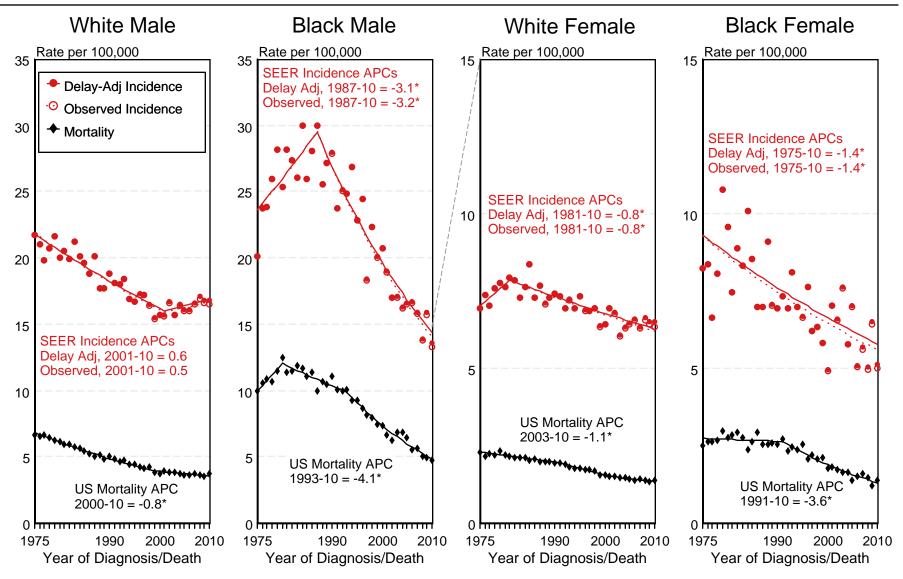
Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude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

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

<sup>-</sup> Joinpoint regression line analysis could not be performed on data series.

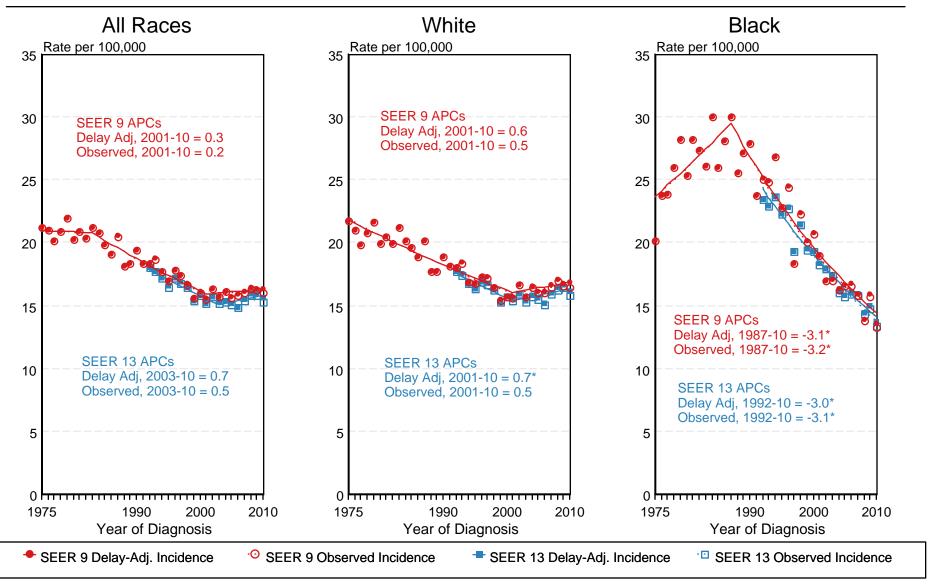
## SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates<sup>a</sup> Cancer of the Oral Cavity and Pharynx, by Race and Sex



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 and APCs are calculated using the Joinpoint Regression Program Version 4.0.3, April 2013, 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).

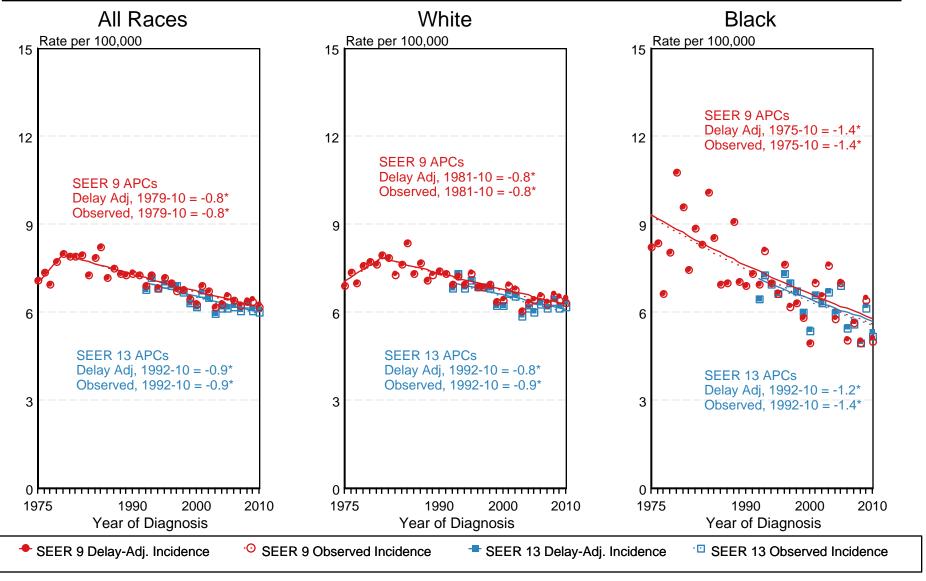
## SEER Observed Incidence and SEER Delay Adjusted Incidence Rates<sup>a</sup> SEER 9 Areas Compared to SEER 13 Areas Cancer of the Oral Cavity and Pharynx, Male, by Race



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 4.0.3, April 2013, 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.

<sup>\*</sup> The APC is significantly different from zero (p < 0.05).

## SEER Observed Incidence and SEER Delay Adjusted Incidence Rates<sup>a</sup> SEER 9 Areas Compared to SEER 13 Areas Cancer of the Oral Cavity and Pharynx, Female, by Race



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 4.0.3, April 2013, 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.

<sup>\*</sup> The APC is significantly different from zero (p < 0.05).

#### Table 21.1 Cancer of the Ovary (Invasive)

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints, All Ages by Race/Ethnicity

	JP Trend	1 JP Tr	end 2	JP Tre	end 3	JP Tre	end 4	JP Tre	end 5	JP Tr	end 6	AAI	5C <sub>q</sub>
	Years I	APC Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adjus	ted Incidence	<sup>a</sup> , 1975-2010											
All Races	1975-87	0.1 1987-10	-0.9*									-0.9*	-0.9*
White	1975-87	0.2 1987-10	-0.9*									-0.9*	-0.9*
Black	1975-10 -0	0.4*										-0.4*	-0.4*
SEER 13 Delay-Adju	sted Incidenc	e <sup>b</sup> , 1992-2010											
All Races	1992-10 -0	0.9*										-0.9*	-0.9*
White	1992-97 -	1.1* 1997-01	0.5	2001-04	-3.1	2004-10	-0.3					-1.2	-0.3
Black	1992-10 -0	0.4										-0.4	-0.4
SEER 9 Observed In	cidenceª, 197	5-2010											
All Races		0.0 1989-10										-1.0*	-1.0*
White		0.1 1989-10	-1.0*									-1.0*	-1.0*
Black	1975-10 -0	0.5*										-0.5*	-0.5*
SEER 13 Observed I	ncidence <sup>b</sup> , 199	92-2010											
All Races	1992-10 -	1.0*										-1.0*	-1.0*
White	1992-97 -	1.1* 1997-01	0.5	2001-04	-3.0	2004-10	-0.7					-1.5*	-0.7
White NH <sup>ef</sup>		1.0*										-1.0*	-1.0*
Black		0.6										-0.6	-0.6
Black NH <sup>ef</sup>		0.5										-0.5	-0.5
API <sup>e</sup>		0.5										-0.5	-0.5
AI/AN <sup>eg</sup>		0.1										0.1	0.1
Hispanic <sup>f</sup>	1992-10 -0	0.4										-0.4	-0.4
U.S. Cancer Mortal	ity <sup>c</sup> , 1975-201	10											
All Races	1975-82 -	1.2* 1982-92	0.3*	1992-98	-1.2*	1998-02	1.0	2002-10	-1.9*			-1.6*	-1.9*
White	1975-81 -	1.4* 1981-94	0.2	1994-98	-1.7	1998-02	1.3	2002-10	-1.9*			-1.6*	-1.9*
Black	1975-92	0.4* 1992-10	-0.9*									-0.9*	-0.9*
U.S. Cancer Mortal	ity <sup>c</sup> , 1992-201	10											
All Races	1992-98 -	1.2* 1998-02	1.0	2002-10	-1.9*							-1.6*	-1.9*
White	1992-98 -	1.1* 1998-02	1.1	2002-10	-1.9*							-1.6*	-1.9*
White NH <sup>ef</sup>	1992-98 -0	0.9* 1998-02	1.3	2002-10	-1.9*							-1.6*	-1.9*
Black	1992-10 -0	0.9*										-0.9*	-0.9*
Black NH <sup>ef</sup>	1992-10 -0	0.7*										-0.7*	-0.7*
API <sup>e</sup>	1992-10	0.0										0.0	0.0
AI/AN <sup>eg</sup>	1992-10	0.8										0.8	0.8
Hispanic <sup>f</sup>	1992-10 -0	0.5*										-0.5*	-0.5*

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

Joinpoint Regression Program Version 4.0.3, April 2013, National Cancer Institute. (<a href="http://surveillance.cancer.gov/joinpoint/">http://surveillance.cancer.gov/joinpoint/</a>). 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.

e 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.

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

<sup>-</sup> Joinpoint regression line analysis could not be performed on data series.

#### Table 21.2 Cancer of the Ovary (Invasive)

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints, Ages <65 by Race/Ethnicity

SEER   9-Delay-Adjusted   17-1-18   18-1-18		JP Trend 1	JP Tr	end 2	JP Tr	end 3	JP Tr	end 4	JP Tr	end 5	JP Tr	end 6	AAI	PC <sup>d</sup>
		Years APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
	SEER 9 Delay-Adiu	sted Incidencea, 19	75-2010											
Reference													-1.1*	-1.1*
SEER 13 Delay-Adjusted Incidence   1992-10   -0.8*	White	1975-10 -1.1*											-1.1*	-1.1*
Races   1992-10   -0.8*   -0.8*   -0.8*   -0.8*   -0.9*   Races   1992-10   -0.4*   -0.9*   -0.9*   -0.9*   -0.9*   -0.9*   -0.9*   -0.9*   -0.9*   -0.9*   -0.4*	Black	1975-10 -1.0*											-1.0*	-1.0*
Mark	SEER 13 Delay-Adj	usted Incidenceb, 1	1992-2010											
Black   1992-10   -0.4   -0.4   -0.4   -0.4   -0.4   -0.4	All Races	1992-10 -0.8*											-0.8*	-0.8*
SEER 9 Observed Incidence*, 1975-10	White	1992-10 -0.9*											-0.9*	-0.9*
All Races	Black	1992-10 -0.4											-0.4	-0.4
White	SEER 9 Observed I	ncidence <sup>a</sup> , 1975-201	<u>LO</u>											
Black   1975-10   1.0*   1.0													-1.1*	
SEER 13 Observed Incidence   1992-10														
All Races	Black	1975-10 -1.0*											-1.0*	-1.0*
White NH <sup>ef</sup> 1992-10 -1.0* White NH <sup>ef</sup> 1992-10 -1.2* Black NH <sup>ef</sup> 1992-10 -0.5 Black NH <sup>ef</sup> 1992-10 -0.5 Black NH <sup>ef</sup> 1992-10 -0.5 API <sup>e</sup> 1992-10 -0.4 AI/AN <sup>eg</sup> 1992-10 -0.1  U.S. Cancer Mortality <sup>e</sup> , 1975-2010 All Races 1975-80 -3.2* 1980-99 -1.6* 1999-02 0.6 2002-10 -2.8* Black 1975-80 -3.3* 1989-10 -1.1*  U.S. Cancer Mortality <sup>e</sup> , 1975-2010 All Races 1975-80 -3.2* 1980-99 -1.6* 1999-02 0.6 2002-10 -2.8* Black 1975-80 -3.2* 1980-99 -1.5* 1999-02 0.6 2002-10 -2.8* Black 1975-80 -3.1* 1989-10 -1.1*  U.S. Cancer Mortality <sup>e</sup> , 1992-2010 All Races 1992-98 -2.1* 1989-02 0.6 2002-10 -2.8* Black 1975-80 -3.3* 1998-02 0.6 2002-10 -2.8* Black 1992-98 -2.2* 1998-02 0.6 2002-10 -2.8*  White NH <sup>ef</sup> 1992-05 -1.0* 2005-10 -3.4* Black 1992-10 -1.1* Black NH <sup>ef</sup> 1992-05 -1.0* 2005-10 -3.4* Black 1992-10 -1.1* Black NH <sup>ef</sup> 1992-07 -1.1* Black NH <sup>ef</sup> 1992-10 -1.3*		Incidence <sup>b</sup> , 1992-20	010											
White NHef   1992-10   -1.2*	All Races	1992-10 -1.0*											-1.0*	-1.0*
Black NHef 1992-10 -0.5 Black NHef 1992-10 -0.4 Black NHef 1992-10 -0.4 Black NHef 1992-10 -0.1 Black NHef 1992-10 -0.1 Black NHef 1992-10 -0.1 Black NHef 1992-10 -0.1 Black NHef 1992-10 -1.1* Black NHef 1992-10 -1.1* Black NHef 1992-01 -1.1* Black NHef 1992-01 -1.1* Black NHef 1992-01 -1.1* Black NHef 1992-01 -1.3*		1992-10 -1.0*											-1.0*	-1.0*
Black NHef 1992-10 -0.5	White NH <sup>ef</sup>	1992-10 -1.2*											-1.2*	-1.2*
API <sup>e</sup> 1992-10 -0.4 -0.4 AI/AN <sup>eg</sup> 1992-10 -2.0 -2.0 Hispanic <sup>f</sup> 1992-10 -0.1 -0.1 -0.1 -0.1 -0.1 -0.1 -0.1 -	Black	1992-10 -0.5											-0.5	-0.5
AI/AN°E		1992-10 -0.5											-0.5	-0.5
Hispanic 1992-10 -0.1 -0.1    U.S. Cancer Mortality	API <sup>e</sup>	1992-10 -0.4											-0.4	-0.4
U.S. Cancer Mortality <sup>c</sup> , 1975-2010 All Races 1975-80 -3.2* 1980-99 -1.6* 1999-02 0.6 2002-10 -2.8* White 1975-80 -3.3* 1980-99 -1.5* 1999-02 0.6 2002-10 -2.8* Black 1975-89 -2.1* 1989-10 -1.1*  U.S. Cancer Mortality <sup>c</sup> , 1992-2010 All Races 1992-98 -2.3* 1998-02 0.6 2002-10 -2.8* White 1992-98 -2.2* 1998-02 0.6 2002-10 -2.8* White NHef 1992-98 -2.2* 1998-02 0.6 2002-10 -2.8* White NHef 1992-05 -1.0* 2005-10 -3.4* Black 1992-10 -1.1* Black NHef 1992-03 0.0 2003-10 -2.6* APIe 1992-10 -1.3*		1992-10 -2.0											-2.0	-2.0
All Races 1975-80 -3.2* 1980-99 -1.6* 1999-02 0.6 2002-10 -2.8*  White 1975-80 -3.3* 1980-99 -1.5* 1999-02 0.6 2002-10 -2.8*  Black 1975-89 -2.1* 1989-10 -1.1*  U.S. Cancer Mortality <sup>c</sup> , 1992-2010  All Races 1992-98 -2.3* 1998-02 0.6 2002-10 -2.8*  White 1992-98 -2.2* 1998-02 0.6 2002-10 -2.8*  White NHef 1992-05 -1.0* 2005-10 -3.4*  Black 1992-10 -1.1*  Black NHef 1992-03 0.0 2003-10 -2.6*  APIe 1992-10 -1.3*	Hispanic <sup>f</sup>	1992-10 -0.1											-0.1	-0.1
White 1975-80 -3.3* 1980-99 -1.5* 1999-02 0.6 2002-10 -2.8*  Black 1975-89 -2.1* 1989-10 -1.1* -1.1*  \[ \begin{array}{c c c c c c c c c c c c c c c c c c c	U.S. Cancer Morta	lity <sup>c</sup> , 1975-2010												
Black 1975-89 -2.1* 1989-10 -1.1*  U.S. Cancer Mortality <sup>c</sup> , 1992-2010  All Races 1992-98 -2.3* 1998-02 0.6 2002-10 -2.8*  White NHef 1992-98 -2.2* 1998-02 0.6 2002-10 -2.8*  White NHef 1992-05 -1.0* 2005-10 -3.4*  Black NHef 1992-10 -1.1*  Black NHef 1992-03 0.0 2003-10 -2.6*  APIe 1992-10 -1.3*	All Races	1975-80 -3.2*	1980-99	-1.6*	1999-02	0.6							-2.4*	-2.8*
U.S. Cancer Mortality <sup>c</sup> , 1992-2010 All Races 1992-98 -2.3* 1998-02 0.6 2002-10 -2.8* White 1992-98 -2.2* 1998-02 0.6 2002-10 -2.8* White NH <sup>ef</sup> 1992-05 -1.0* 2005-10 -3.4* Black 1992-10 -1.1* Black NH <sup>ef</sup> 1992-03 0.0 2003-10 -2.6* API <sup>e</sup> 1992-10 -1.3*	White	1975-80 -3.3*	1980-99	-1.5*	1999-02	0.6	2002-10	-2.8*					-2.4*	-2.8*
All Races 1992-98 -2.3* 1998-02 0.6 2002-10 -2.8*  White 1992-98 -2.2* 1998-02 0.6 2002-10 -2.8*  White NHef 1992-05 -1.0* 2005-10 -3.4*  Black 1992-10 -1.1*  Black NHef 1992-03 0.0 2003-10 -2.6*  APIe 1992-10 -1.3*	Black	1975-89 -2.1*	1989-10	-1.1*									-1.1*	-1.1*
White NH <sup>ef</sup> 1992-98 -2.2* 1998-02 0.6 2002-10 -2.8* -2.8*  White NH <sup>ef</sup> 1992-05 -1.0* 2005-10 -3.4*  Black 1992-10 -1.1* -1.1*  Black NH <sup>ef</sup> 1992-03 0.0 2003-10 -2.6*  API <sup>e</sup> 1992-10 -1.3*	U.S. Cancer Morta	lity <sup>c</sup> , 1992-2010												
White NHef       1992-05       -1.0*       2005-10       -3.4*         Black       1992-10       -1.1*       -1.1*         Black NHef       1992-03       0.0       2003-10       -2.6*         APIe       1992-10       -1.3*       -1.3*	All Races	1992-98 -2.3*	1998-02	0.6	2002-10	-2.8*							-2.4*	-2.8*
Black 1992-10 -1.1* -1.1* Black NH <sup>ef</sup> 1992-03 0.0 2003-10 -2.6* -2.6* API <sup>e</sup> 1992-10 -1.3* -1.3*					2002-10	-2.8*								
Black NH <sup>ef</sup> 1992-03 0.0 2003-10 -2.6* -2.6* API <sup>e</sup> 1992-10 -1.3* -1.3*	White NH <sup>ef</sup>	1992-05 -1.0*	2005-10	-3.4*									-2.3*	
API <sup>e</sup> 1992-10 -1.3* -1.3*		1992-10 -1.1*											-1.1*	-1.1*
	Black NH <sup>ef</sup>	1992-03 0.0	2003-10	-2.6*									-2.0*	-2.6*
7-7-70	API <sup>e</sup>	1992-10 -1.3*											-1.3*	-1.3*
$A1/AN^{-9}$ 1992-10 -1.4 -1.4 -1.4	AI/AN <sup>eg</sup>	1992-10 -1.4											-1.4	-1.4
Hispanic <sup>f</sup> 1992-10 -0.8* -0.8*	Hispanic <sup>f</sup>	1992-10 -0.8*											-0.8*	-0.8*

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

Joinpoint Regression Program Version 4.0.3, April 2013, National Cancer Institute. (<a href="http://surveillance.cancer.gov/joinpoint">http://surveillance.cancer.gov/joinpoint</a>). 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.

The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, SC, OK and V

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

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

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

#### Table 21.3 Cancer of the Ovary (Invasive)

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints, Ages 65+ 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	AAI	. C <sub>q</sub>
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adjus	sted Incidence	e <sup>a</sup> , 1975	5-2010											
All Races	1975-89	1.5*	1989-10	-0.8*									-0.8*	-0.8*
White	1975-89	1.6*	1989-10	-0.7*									-0.7*	-0.7*
Black	1975-10	0.2											0.2	0.2
SEER 13 Delay-Adj	usted Inciden	ce <sup>b</sup> , 199	92-2010											
All Races	1992-10 -	-0.9*											-0.9*	-0.9*
White	1992-10 -	-0.8*											-0.8*	-0.8*
Black	1992-10 -	-0.4											-0.4	-0.4
SEER 9 Observed In	ncidenceª, 197													
All Races			1990-10	-1.0*									-1.0*	-1.0*
White		1.5*	1990-10	-0.9*									-0.9*	-0.9*
Black	1975-10	0.0											0.0	0.0
SEER 13 Observed	Incidence <sup>b</sup> , 19	992-2010	<u>)</u>											
All Races		-1.1*											-1.1*	-1.1*
White		-0.9*											-0.9*	-0.9*
White NH <sup>ef</sup>		-0.9*											-0.9*	-0.9*
Black	1992-10 -	-0.6											-0.6	-0.6
Black NH <sup>ef</sup>		-0.6											-0.6	-0.6
API <sup>e</sup>		-0.5											-0.5	-0.5
AI/AN <sup>eg</sup>		1.6											1.6	1.6
Hispanic <sup>f</sup>	1992-10 -	-0.7											-0.7	-0.7
U.S. Cancer Morta	lity <sup>c</sup> , 1975-20	010												
All Races	1975-84	0.6*	1984-91	1.6*	1991-05	0.0	2005-10	-2.0*					-1.1*	-2.0*
White	1975-81	0.2	1981-91	1.4*	1991-05	0.1	2005-10	-2.0*					-1.1*	-2.0*
Black	1975-92	2.3*	1992-10	-0.9*									-0.9*	-0.9*
U.S. Cancer Morta	lity <sup>c</sup> , 1992-20	010												
All Races	1992-04	0.1	2004-10	-1.7*									-1.1*	-1.7*
White	1992-04	0.2	2004-10	-1.7*									-1.0*	-1.7*
White NH <sup>ef</sup>	1992-04	0.3*	2004-10	-1.7*									-1.0*	-1.7*
Black	1992-10 -	-0.8*											-0.8*	-0.8*
Black NH <sup>ef</sup>	1992-10 -	-0.6*											-0.6*	-0.6*
API <sup>e</sup>	1992-10	1.0*											1.0*	1.0*
AI/AN <sup>eg</sup>	1992-10	1.8											1.8	1.8
Hispanic <sup>f</sup>	1992-10 -	-0.4											-0.4	-0.4

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

Joinpoint Regression Program Version 4.0.3, April 2013, National Cancer Institute. (<a href="http://surveillance.cancer.gov/joinpoint">http://surveillance.cancer.gov/joinpoint</a>). 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.

e 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.

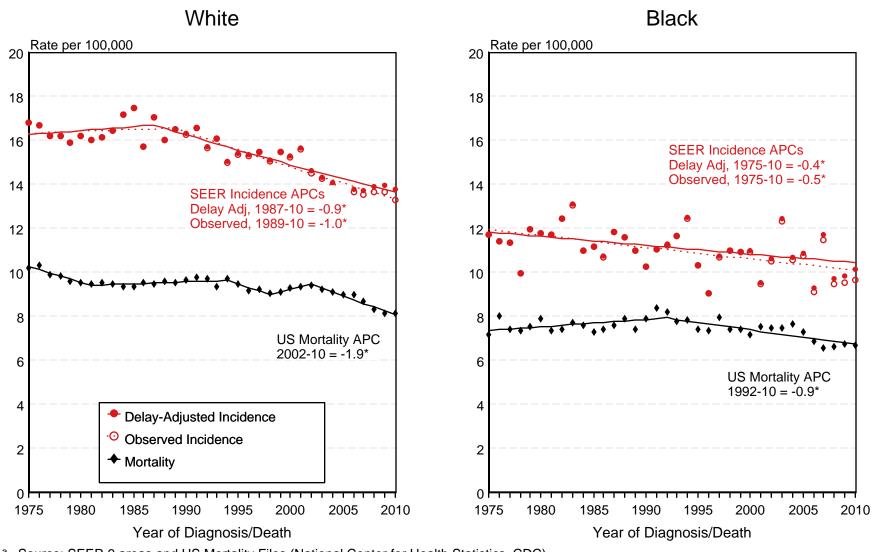
The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, SC, OK and VT

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

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

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

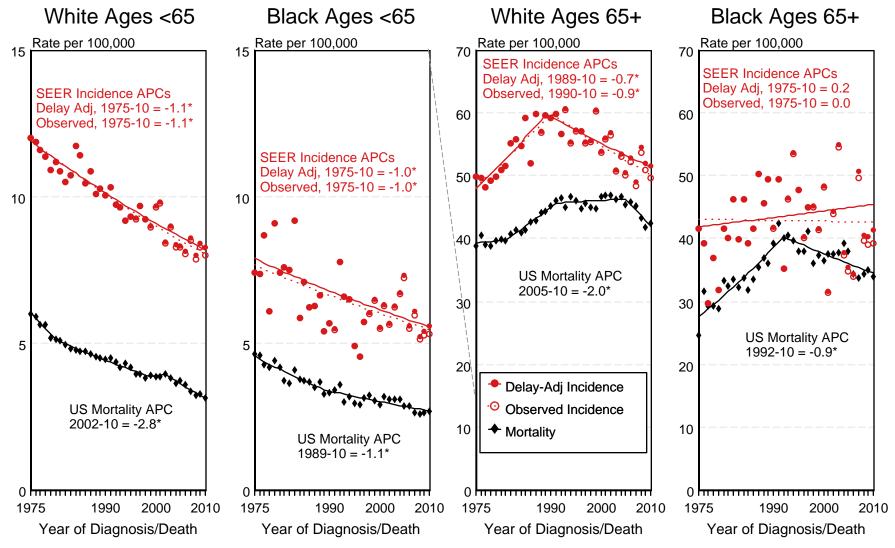
## SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates<sup>a</sup> Cancer of the Ovary, by Race



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 4.0.3, April 2013, 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).

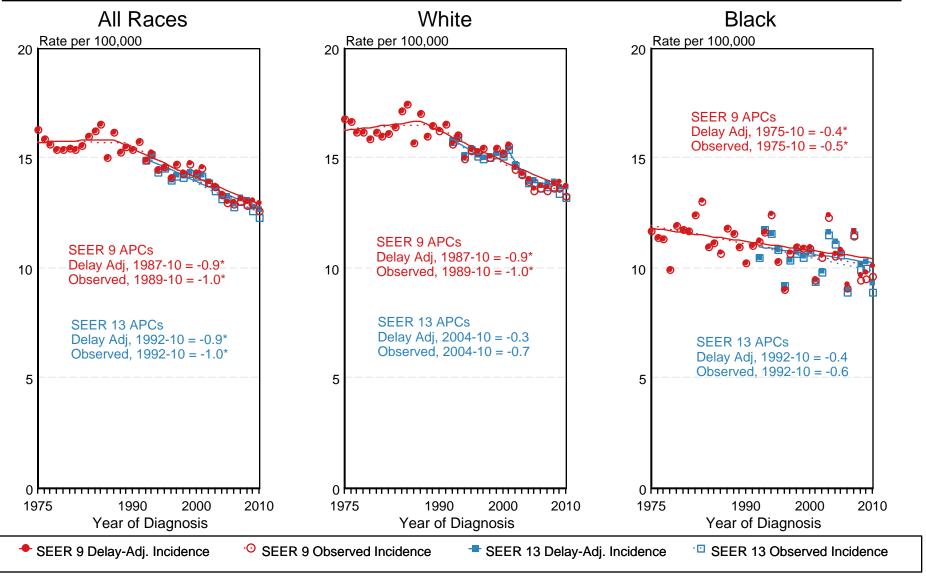
## SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates<sup>a</sup> Cancer of the Ovary, by Age and Race



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 4.0.3, April 2013, 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<sup>a</sup> SEER 9 Areas Compared to SEER 13 Areas Cancer of the Ovary, by Race



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 4.0.3, April 2013, 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.

<sup>\*</sup> The APC is significantly different from zero (p < 0.05).

#### Table 22.1 Cancer of the Pancreas (Invasive)

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints, Both Sexes by Race/Ethnicity

	JP Tr	end 1	JP Tre	end 2	JP Tre	end 3	JP Tre	end 4	JP Tre	nd 5	JP Tr	end 6	AAI	P.C.d
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adjust	ted Incide	ncea, 197	75-2010											
All Races	1975-78	-2.1	1978-84	1.2*	1984-89	-1.4	1989-00	0.0	2000-10	1.5*			1.5*	1.5*
White	1975-78	-2.5	1978-84	1.0	1984-95	-0.9*	1995-10	1.2*					1.2*	1.2*
Black	1975-10	-0.1											-0.1	-0.1
SEER 13 Delay-Adjus	sted Incid	ence <sup>b</sup> , 19	992-2010											
All Races	1992-00	-0.1	2000-10	1.3*									1.3*	1.3*
White	1992-00	0.2	2000-10	1.3*									1.3*	1.3*
Black	1992-01	-1.5*	2001-10	1.2*									1.2*	1.2*
SEER 9 Observed Inc														
All Races	1975-78	-2.2	1978-84	1.3	1984-89	-1.4	1989-99	-0.1	1999-10	1.2*			1.2*	1.2*
White	1975-99	-0.3*	1999-08	1.7*	2008-10	-1.7							0.9	0.0
Black	1975-10	-0.1											-0.1	-0.1
SEER 13 Observed In	ncidence <sup>b</sup> ,	1992-201	<u>LO</u>											
All Races	1992-00	0.0	2000-10	1.1*									1.1*	1.1*
White	1992-10	0.8*											0.8*	0.8*
White NH <sup>ef</sup>	1992-99	0.2	1999-10	1.1*									1.1*	1.1*
Black	1992-01	-1.5*	2001-10	1.0									1.0	1.0
Black NH <sup>ef</sup>	1992-01	-1.5*	2001-10	1.1*									1.1*	1.1*
API <sup>e</sup>	1992-10	0.6*											0.6*	0.6*
AI/AN <sup>eg</sup>	1992-10	2.6*											2.6*	2.6*
Hispanic <sup>f</sup>	1992-10	0.7*											0.7*	0.7*
U.S. Cancer Mortal:	ity <sup>c</sup> , 1975	-2010												
All Races	1975-00	-0.1*	2000-10	0.4*									0.4*	0.4*
White	1975-97	-0.2*	1997-10	0.5*									0.5*	0.5*
Black	1975-89	1.2*	1989-10	-0.6*									-0.6*	-0.6*
U.S. Cancer Mortal:														
All Races	1992-96	-0.7*	1996-10	0.4*									0.4*	0.4*
White	1992-97	-0.4	1997-10	0.5*									0.5*	0.5*
White NH <sup>ef</sup>	1992-97	-0.3	1997-10	0.6*									0.6*	0.6*
Black	1992-95	-2.5*	1995-10	-0.4*									-0.4*	-0.4*
Black NH <sup>ef</sup>	1992-10	-0.5*											-0.5*	-0.5*
API <sup>e</sup>	1992-94	8.7	1994-97	-4.3	1997-10	0.4*							0.4*	0.4*
AI/AN <sup>eg</sup>	1992-10	2.0*											2.0*	2.0*
Hispanic <sup>f</sup>	1992-10	0.3*											0.3*	0.3*

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.

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

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

#### Table 22.2 Cancer of the Pancreas (Invasive)

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 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	nd 5	JP Tr	end 6	AAI	PC <sup>d</sup>
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adjus	ted Incide	nce <sup>a</sup> , 197	75-2010											
All Races	1975-81	-1.8*	1981-85	1.2	1985-90	-2.2*	1990-03	0.2	2003-08	2.5*	2008-10	-2.3	0.9	0.0
White	1975-81	-2.3*	1981-84	1.6	1984-94	-1.4*	1994-10	1.1*					1.1*	1.1*
Black	1975-10	-0.4*											-0.4*	-0.4*
SEER 13 Delay-Adju	sted Incide	ence <sup>b</sup> , 19	992-2010											
All Races	1992-01	0.0	2001-10	1.3*									1.3*	1.3*
White	1992-10	0.8*											0.8*	0.8*
Black	1992-10	-0.2											-0.2	-0.2
SEER 9 Observed In	cidenceª, 1	L975-2010	<u>)</u>											
All Races	1975-93	-0.9*	1993-03	0.3	2003-08	2.3*	2008-10	-3.3					0.6	-0.5
White	1975-95	-1.0*	1995-08	1.3*	2008-10	-2.9							0.4	-0.8
Black	1975-10	-0.4*											-0.4*	-0.4*
SEER 13 Observed In	ncidence <sup>b</sup> ,	1992-201	_0											
All Races	1992-03	0.0	2003-07	2.5*	2007-10	-1.2							0.7	-0.3
White	1992-10	0.7*											0.7*	0.7*
White NH <sup>ef</sup>	1992-10	0.8*											0.8*	0.8*
Black	1992-10	-0.2											-0.2	-0.2
Black NH <sup>ef</sup>	1992-10	-0.2											-0.2	-0.2
API <sup>e</sup>	1992-10	-0.1											-0.1	-0.1
AI/AN <sup>eg</sup>	1992-10	3.0*											3.0*	3.0*
Hispanic <sup>f</sup>	1992-10	0.9*											0.9*	0.9*
U.S. Cancer Mortal	ity <sup>c</sup> , 1975-	-2010												
All Races	1975-86	-0.8*	1986-01	-0.3*	2001-10	0.5*							0.5*	0.5*
White	1975-86	-1.0*	1986-98	-0.3*	1998-10	0.4*							0.4*	0.4*
Black	1975-89	0.6*	1989-10	-0.8*									-0.8*	-0.8*
U.S. Cancer Mortal	ity <sup>c</sup> , 1992-	-2010												
All Races	1992-96	-1.0*	1996-10	0.3*									0.3*	0.3*
White	1992-96	-0.7	1996-10	0.4*									0.4*	0.4*
White NH <sup>ef</sup>	1992-96	-0.9	1996-10	0.5*									0.5*	0.5*
Black	1992-10	-0.8*											-0.8*	-0.8*
Black NH <sup>ef</sup>	1992-01	-1.7*	2001-10	0.0									0.0	0.0
API <sup>e</sup>	1992-94	6.8	1994-01	-3.4*	2001-04	4.2	2004-10	-0.7					0.9	-0.7
AI/AN <sup>eg</sup>	1992-10	2.9*											2.9*	2.9*
Hispanic <sup>f</sup>	1992-10	0.1											0.1	0.1

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.

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

<sup>-</sup> Joinpoint regression line analysis could not be performed on data series.

#### Table 22.3 Cancer of the Pancreas (Invasive)

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints, Females by Race/Ethnicity

	JP Trend 1	JP Tr	end 2	JP Tre	end 3	JP Tr	end 4	JP Tr	end 5	JP Tr	end 6	AAI	C <sub>q</sub>
	Years AP	C Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adju	usted Incidencea,	1975-2010											
All Races	1975-84 1.	3* 1984-00	-0.3*	2000-10	1.8*							1.8*	1.8*
White	1975-84 1.	2* 1984-99	-0.4*	1999-10	1.7*							1.7*	1.7*
Black	1975-10 0.	2										0.2	0.2
SEER 13 Delay-Ad	justed Incidence <sup>b</sup>	, 1992-2010											
All Races	1992-00 -0.		1.4*									1.4*	1.4*
White	1992-00 0.	0 2000-10	1.5*									1.5*	1.5*
Black	1992-10 -0.	1										-0.1	-0.1
SEER 9 Observed 1	· · · · · · · · · · · · · · · · · · ·												
All Races	1975-84 1.		-0.4*	1999-10	1.4*							1.4*	1.4*
White	1975-84 1.		-0.4	1999-10	1.5*							1.5*	1.5*
Black	1975-10 0.	1										0.1	0.1
SEER 13 Observed													
All Races	1992-99 -0.		1.1*									1.1*	1.1*
White	1992-99 -0.		1.2*									1.2*	1.2*
White NH <sup>ef</sup>	1992-99 -0.		1.4*									1.4*	1.4*
Black	1992-10 -0.											-0.2	-0.2
Black NH <sup>ef</sup>	1992-10 -0.											-0.1	-0.1
API <sup>e</sup>	1992-10 1.											1.3*	1.3*
AI/AN <sup>eg</sup>	1992-10 1.											1.8	1.8
Hispanic <sup>f</sup>	1992-10 0.	5										0.5	0.5
U.S. Cancer Morta													
All Races	1975-84 0.		0.1	2002-10	0.5*							0.4*	0.5*
White	1975-93 0.		-0.6	1997-10	0.5*							0.5*	0.5*
Black	1975-86 2.	4* 1986-10	-0.3*									-0.3*	-0.3*
U.S. Cancer Morta													
All Races	1992-97 -0.		0.4*									0.4*	0.4*
White	1992-97 -0.		0.5*									0.5*	0.5*
White NH <sup>ef</sup>	1992-97 -0.		0.6*									0.6*	0.6*
Black	1992-10 -0.											-0.4*	-0.4*
Black NH <sup>ef</sup>	1992-10 -0.											-0.3*	-0.3*
API <sup>e</sup>	1992-10 0.											0.6*	0.6*
AI/AN <sup>eg</sup>	1992-10 1.											1.4	1.4
Hispanic <sup>f</sup>	1992-10 0.	4*										0.4*	0.4*

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.

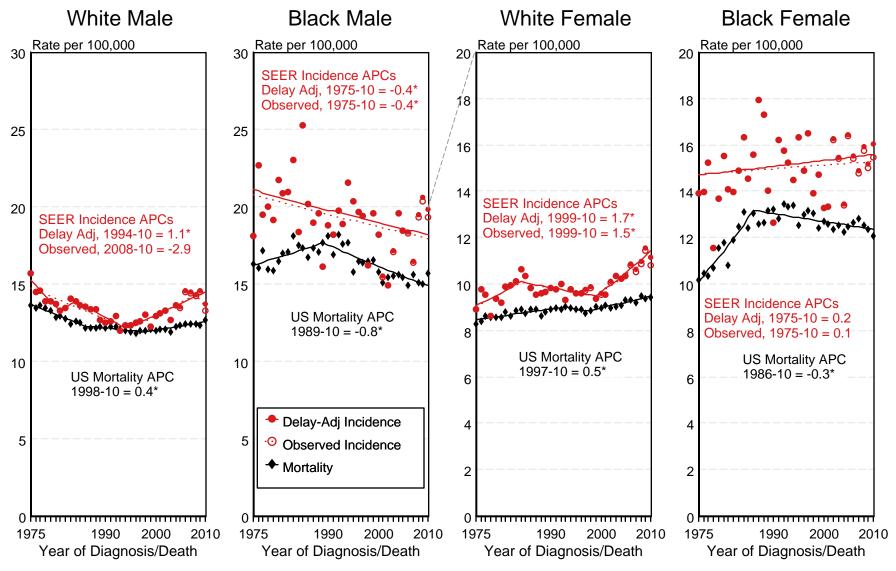
The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, SC, OK and VT.

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

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

<sup>-</sup> Joinpoint regression line analysis could not be performed on data series.

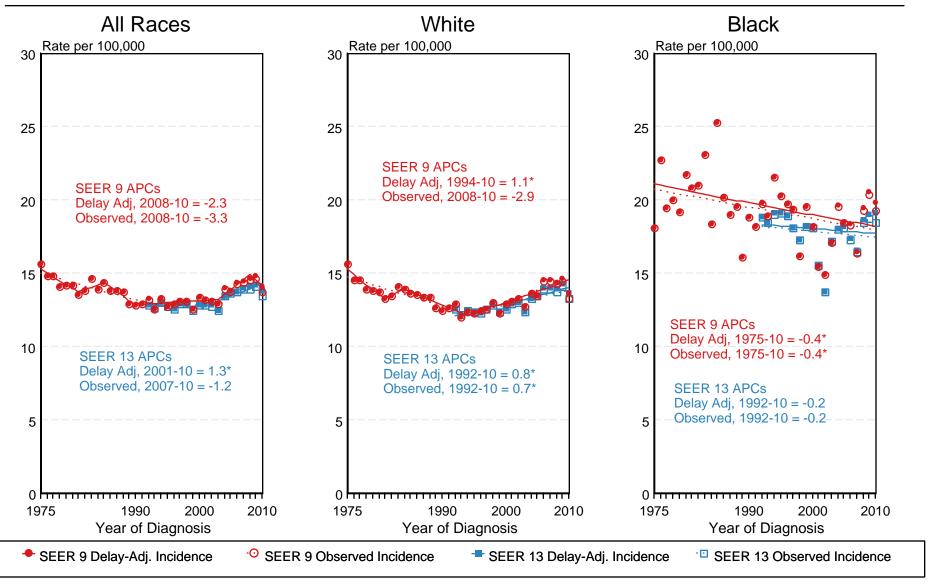
### SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates<sup>a</sup> Cancer of the Pancreas, by Race and Sex



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 and APCs are calculated using the Joinpoint Regression Program Version 4.0.3, April 2013, 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).

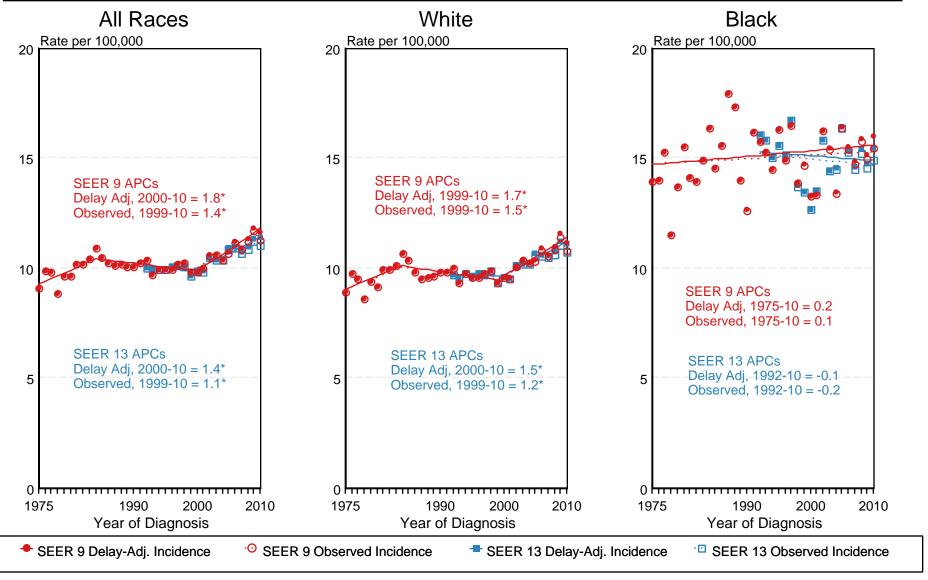
#### SEER Observed Incidence and SEER Delay Adjusted Incidence Rates<sup>a</sup> SEER 9 Areas Compared to SEER 13 Areas Cancer of the Pancreas, Male, by Race



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 4.0.3, April 2013, 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.

<sup>\*</sup> The APC is significantly different from zero (p < 0.05).

#### SEER Observed Incidence and SEER Delay Adjusted Incidence Rates<sup>a</sup> SEER 9 Areas Compared to SEER 13 Areas Cancer of the Pancreas, Female, by Race



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 4.0.3, April 2013, 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.

<sup>\*</sup> The APC is significantly different from zero (p < 0.05).

#### Table 23.1 Cancer of the Prostate (Invasive)

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints, All Ages by Race/Ethnicity

	JP Tre	nd 1	JP Tre	end 2	JP Tr	end 3	JP Tre	end 4	JP Tre	end 5	JP Tr	end 6	AAI	C <sub>q</sub>
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adjus	ted Inciden	.ce <sup>a</sup> , 197	5-2010											
All Races	1975-88	2.6*	1988-92	16.5*	1992-95	-11.7*	1995-00	2.4	2000-10	-1.8*			-1.8*	-1.8*
White	1975-88	2.8*	1988-92	16.3*	1992-95	-12.8*	1995-00	2.9	2000-10	-1.9*			-1.9*	-1.9*
Black	1975-89	2.1*	1989-92	19.2*	1992-10	-1.6*							-1.6*	-1.6*
SEER 13 Delay-Adju	sted Incide	nce <sup>b</sup> , 19	92-2010											
All Races	1992-95	-11.2*	1995-00	2.2	2000-10	-2.0*							-2.0*	-2.0*
White	1992-95	-12.2*	1995-00	2.6	2000-10	-2.0*							-2.0*	-2.0*
Black	1992-10	-1.8*											-1.8*	-1.8*
SEER 9 Observed In	cidenceª, 19	975-2010	1											
All Races	1975-88	2.6*	1988-92	16.5*	1992-95	-11.6*	1995-00	2.4	2000-10	-2.0*			-2.0*	-2.0*
White	1975-88	2.8*	1988-92	16.3*	1992-95	-12.3*	1995-01	2.1	2001-10	-2.5*			-2.5*	-2.5*
Black	1975-89	2.1*	1989-92	19.3*	1992-10	-1.8*							-1.8*	-1.8*
SEER 13 Observed I	ncidence <sup>b</sup> , 1	1992-201	.0											
All Races	1992-95	-11.2*	1995-00	2.2	2000-10	-2.2*							-2.2*	-2.2*
White	1992-95	-11.7*	1995-01	1.9	2001-10	-2.6*							-2.6*	-2.6*
White NH <sup>ef</sup>	1992-94		1994-01	1.0	2001-10	-2.3*							-2.3*	-2.3*
Black	1992-10	-2.0*											-2.0*	-2.0*
Black NH <sup>ef</sup>	1992-10	-1.9*											-1.9*	-1.9*
API <sup>e</sup>	1992-97	-6.3*	1997-00	5.4	2000-07	-1.8*	2007-10	-7.3*					-3.7*	-5.9*
AI/AN <sup>eg</sup>	1992-10	-1.6*											-1.6*	-1.6*
Hispanic <sup>f</sup>	1992-95	-4.9	1995-02	0.9	2002-10	-3.2*							-2.8*	-3.2*
U.S. Cancer Mortal	ity <sup>c</sup> , 1975-2	2010												
All Races	1975-87	0.9*	1987-91	3.1*	1991-94	-0.8	1994-04	-3.8*	2004-10	-3.1*			-3.3*	-3.1*
White	1975-87	0.8*	1987-91	3.1*	1991-94	-0.7	1994-99	-4.3*	1999-10	-3.3*			-3.3*	-3.3*
Black	1975-88	1.9*	1988-93	3.2*	1993-00	-2.6*	2000-10	-3.7*					-3.7*	-3.7*
U.S. Cancer Mortal	ity <sup>c</sup> , 1992-2	2010												
All Races	1992-94	-1.0	1994-04	-3.8*	2004-10	-3.1*							-3.3*	-3.1*
White	1992-94	-0.7	1994-99	-4.3*	1999-10	-3.3*							-3.3*	-3.3*
White NH <sup>ef</sup>	1992-94	-1.0	1994-01	-4.1*	2001-10	-3.2*							-3.2*	-3.2*
Black	1992-96	-0.7	1996-10	-3.5*									-3.5*	-3.5*
Black NH <sup>ef</sup>	1992-96	-0.7	1996-10	-3.4*									-3.4*	-3.4*
API <sup>e</sup>	1992-10	-3.5*											-3.5*	-3.5*
AI/AN <sup>eg</sup>	1992-10	-1.7*											-1.7*	-1.7*
Hispanic <sup>f</sup>	1992-10	-2.5*											-2.5*	-2.5*

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.

The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, SC, OK and VI

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

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

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

#### Table 23.2 Cancer of the Prostate (Invasive)

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints, Ages <65 by Race/Ethnicity

	JP Tre	nd 1	JP Tre		JP Tre		JP Tr		JP Tre		JP Tr	end 6	AAI	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adjus	sted Incider	nce <sup>a</sup> , 197	75-2010											
All Races	1975-88	3.1*	1988-92	23.3*	1992-01	3.4*	2001-10	-0.2					-0.2	-0.2
White	1975-88	3.6*	1988-92	22.7*	1992-01	3.3*	2001-10	-0.3					-0.3	-0.3
Black	1975-89	2.0*	1989-93	26.1*	1993-01	2.7*	2001-10	-0.5					-0.5	-0.5
SEER 13 Delay-Adju	usted Incide	ence <sup>b</sup> , 19	992-2010											
All Races	1992-01	3.4*	2001-10	-0.6									-0.6	-0.6
White	1992-01	3.4*	2001-10	-0.6									-0.6	-0.6
Black	1992-00	3.8*	2000-10	-0.6									-0.6	-0.6
SEER 9 Observed In			-											
All Races	1975-88	3.1*	1988-92	23.2*	1992-01	3.4*	2001-10	-0.4					-0.4	-0.4
White	1975-88	3.5*	1988-92	23.1*	1992-02	3.0*	2002-10	-0.9					-0.5	-0.9
Black	1975-89	2.0*	1989-93	26.1*	1993-01	2.7*	2001-10	-0.9					-0.9	-0.9
SEER 13 Observed 1	Incidence <sup>b</sup> ,	1992-201	_0											
All Races	1992-01	3.4*	2001-10	-0.7									-0.7	-0.7
White	1992-01	3.4*	2001-10	-0.9									-0.9	-0.9
White NH <sup>ef</sup>	1992-01	3.4*	2001-10	-0.8									-0.8	-0.8
Black	1992-00	3.8*	2000-10	-0.9									-0.9	-0.9
Black NH <sup>ef</sup>	1992-00	3.8*	2000-10	-0.8									-0.8	-0.8
API <sup>e</sup>	1992-01	6.3*	2001-10	-0.1									-0.1	-0.1
AI/AN <sup>eg</sup>	1992-10	-0.9											-0.9	-0.9
Hispanic <sup>f</sup>	1992-02	4.5*	2002-10	-1.7*									-1.0*	-1.7*
U.S. Cancer Mortal	lity <sup>c</sup> , 1975-	2010												
All Races	1975-87	0.5*	1987-90	3.0	1990-96	-3.2*	1996-00	-5.9*	2000-10	-1.3*			-1.3*	-1.3*
White	1975-87	0.7*	1987-90	3.0	1990-96	-3.6*	1996-00	-6.2*	2000-10	-1.1*			-1.1*	-1.1*
Black	1975-92	0.6*	1992-07	-3.2*	2007-10	-0.6							-2.3*	-1.2
U.S. Cancer Mortal	lity <sup>c</sup> , 1992-	2010												
All Races	1992-01	-4.5*	2001-10	-1.2*									-1.2*	-1.2*
White	1992-01	-4.7*	2001-10	-1.0*									-1.0*	-1.0*
White NH <sup>ef</sup>	1992-01	-4.8*	2001-10	-0.7*									-0.7*	-0.7*
Black	1992-06	-3.4*	2006-10	-1.0									-2.3*	-1.0
Black NH <sup>ef</sup>	1992-10	-3.0*											-3.0*	-3.0*
API <sup>e</sup>	1992-10	-0.7											-0.7	-0.7
AI/AN <sup>eg</sup>	1992-10	-3.5*											-3.5*	-3.5*
Hispanic <sup>f</sup>	1992-10	-2.7*											-2.7*	-2.7*

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.

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

<sup>-</sup> Joinpoint regression line analysis could not be performed on data series.

#### Table 23.3 Cancer of the Prostate (Invasive)

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints, Ages 65+ by Race/Ethnicity

Part		JP Trend 1	JP Tre	end 2	JP Tr	end 3	JP Tre	end 4	JP Tre	end 5	JP Tr	end 6	AAI	PC <sup>d</sup>
Name		Years APO	! Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
Name	SEER 9 Delay-Adju	sted Incidencea,	1975-2010											
Rack   1975-99   2.0°   1989-92   1992-95   -8.7°   1995-10   -2.3°	All Races	1975-88 2.	* 1988-92	15.1*	1992-95	-15.0*	1995-00	1.4	2000-10	-2.6*			-2.6*	-2.6*
See	White	1975-88 2.	* 1988-92	15.0*	1992-95	-16.0*	1995-00	2.0	2000-10	-2.7*			-2.7*	-2.7*
Note   1992-95 - 14.3*   1995-00   1.1   2000-10   -2.7*   -2.7*   -2.7*   -2.7*   -2.7*   -2.6*   -	Black	1975-89 2.0	* 1989-92	19.9*	1992-95	-8.7*	1995-10	-2.3*					-2.3*	-2.3*
Name	SEER 13 Delay-Adj	justed Incidenceb	1992-2010											
Black   1992-95	All Races	1992-95 -14.	* 1995-00	1.1	2000-10	-2.7*							-2.7*	-2.7*
All Races   1975-88   2.5*   1988-92   15.1*   1992-95   -14.9*   1995-00   1.4   2000-10   -2.8*   -2.8*   -2.8*   -2.8*   Mitte   1975-88   2.7*   1988-92   14.9*   1992-95   -15.9*   1995-00   1.9   2000-10   -3.1*   -3.1*   -3.1*   -3.1*   Black   1975-89   2.0*   1989-92   19.9*   1992-95   -8.6*   1995-10   -2.6*   -	White	1992-95 -15.	* 1995-00	1.7	2000-10	-2.7*							-2.7*	-2.7*
Races	Black	1992-95 -8.0	* 1995-10	-2.6*									-2.6*	-2.6*
White	SEER 9 Observed I	Incidence <sup>a</sup> , 1975-2	010											
Black   1975-89   2.0*   1989-92   19.9*   1992-95   -8.6   1995-10   -2.6*	All Races	1975-88 2.	* 1988-92	15.1*	1992-95	-14.9*	1995-00	1.4	2000-10	-2.8*			-2.8*	-2.8*
SEER 13 Observed Incidence	White	1975-88 2.	* 1988-92	14.9*	1992-95	-15.9*	1995-00	1.9	2000-10	-3.1*			-3.1*	
## All Races	Black	1975-89 2.0	* 1989-92	19.9*	1992-95	-8.6	1995-10	-2.6*					-2.6*	-2.6*
White NHefe 1992-95 -14.9* 1995-01 1.0 2001-10 -3.3*	SEER 13 Observed	Incidenceb, 1992-	2010											
White NHef   1992-95   15.6   1995-00   1.7   2000-10   -3.0   -3.0   -3.0     -3.0     -3.0     -3.0       -3.0	All Races	1992-95 -14.2	* 1995-00	1.1	2000-10	-2.9*							-2.9*	-2.9*
Black 1992-10 -3.4* Black NHef 1992-95 -7.9* 1995-10 -2.9* APIe 1992-97 -7.8* 1997-00 4.3 2000-07 -2.5* 2007-10 -8.8*  AI/AN® 1992-97 -7.8* 1995-04 -0.7 2004-10 -4.6*  U.S. Cancer Mortalityc, 1975-2010 All Races 1975-87 0.9* 1987-90 3.3* 1990-93 1.3 1993-10 -3.6* Black 1975-87 0.8* 1987-91 3.2* 1991-94 -0.5 1994-98 -4.4* 1998-10 -3.5* -3.5* Black 1975-94 2.3* 1994-01 -2.8* 2001-10 -3.9*  U.S. Cancer Mortalityc, 1992-2010 All Races 1992-94 -1.2 1994-10 -3.6* White 1992-94 -1.1 1994-04 -3.9* 2004-10 -3.5* Black 1992-94 -1.1 1994-04 -3.9* 2004-10 -3.2* Black 1992-96 -0.4 1996-10 -3.6* Black NHef 1992-96 -0.4 1996-10 -3.6* Black NHef 1992-96 -0.4 1996-10 -3.6* AI/AN® 1992-10 -3.6* AI/AN® 1992-10 -3.6* AI/AN® 1992-10 -3.6* AI/AN® 1992-10 -1.6*	White	1992-95 -14.9	* 1995-01	1.0	2001-10	-3.3*							-3.3*	-3.3*
Black NHef   1992-95   -7.9*   1995-10   -2.9*   -2.9*   APIe   1992-97   -7.8*   1997-00   4.3   2000-07   -2.5*   2007-10   -8.8*   -4.7*   -7.3*   -4.7*   -7.3*   AI/ANes   1992-10   -1.9*   -1	White NH <sup>ef</sup>	1992-95 -15.0	* 1995-00	1.7	2000-10	-3.0*							-3.0*	-3.0*
API <sup>e</sup> 1992-97 -7.8* 1997-00 4.3 2000-07 -2.5* 2007-10 -8.8* -4.7* -7.3* AI/AN <sup>eg</sup> 1992-10 -1.9* Hispanic <sup>f</sup> 1992-95 -6.2* 1995-04 -0.7 2004-10 -4.6* -1.9* -1.9* Hispanic <sup>f</sup> 1992-95 -6.2* 1995-04 -0.7 2004-10 -4.6* -1.9* -1.9* -1.9* Hispanic <sup>f</sup> 1992-95 -6.2* 1995-04 -0.7 2004-10 -4.6* -1.9* -1.9* -1.9* Hispanic <sup>f</sup> 1992-95 -6.2* 1995-04 -0.7 2004-10 -4.6* -1.9* -1.	Black	1992-10 -3.4	*										-3.4*	-3.4*
AI/AN <sup>eg</sup> 1992-10 -1.9* Hispanic <sup>f</sup> 1992-95 -6.2* 1995-04 -0.7 2004-10 -4.6*  U.S. Cancer Mortality <sup>c</sup> , 1975-2010  All Races 1975-87 0.9* 1987-90 3.3* 1990-93 1.3 1993-10 -3.6* White 1975-87 0.8* 1987-91 3.2* 1991-94 -0.5 1994-98 -4.4* 1998-10 -3.5* Black 1975-94 2.3* 1994-01 -2.8* 2001-10 -3.9*  U.S. Cancer Mortality <sup>c</sup> , 1992-2010  All Races 1992-94 -1.2 1994-10 -3.6* White 1992-94 -0.6 1994-98 -4.4* 1998-10 -3.5* White NH <sup>ef</sup> 1992-94 -0.6 1994-98 -4.4* 1998-10 -3.5* Black 1992-96 -0.4 1996-10 -3.6* Black NH <sup>ef</sup> 1992-96 -0.4 1996-10 -3.6* Black NH <sup>ef</sup> 1992-96 -0.4 1996-10 -3.6* Al/AN <sup>eg</sup> 1992-10 -1.6*  Al/AN <sup>eg</sup> 1992-10 -1.6*		1992-95 -7.	* 1995-10	-2.9*									-2.9*	-2.9*
Hispanic <sup>f</sup> 1992-95 -6.2* 1995-04 -0.7 2004-10 -4.6*  U.S. Cancer Mortality <sup>c</sup> , 1975-2010 All Races 1975-87 0.9* 1987-90 3.3* 1990-93 1.3 1993-10 -3.6* White 1975-87 0.8* 1987-91 3.2* 1991-94 -0.5 1994-98 -4.4* 1998-10 -3.5* Black 1975-94 2.3* 1994-01 -2.8* 2001-10 -3.9*  U.S. Cancer Mortality <sup>c</sup> , 1992-2010 All Races 1992-94 -1.2 1994-10 -3.6* White 1992-94 -0.6 1994-98 -4.4* 1998-10 -3.5* White 1992-94 -0.6 1994-98 -4.4* 1998-10 -3.5* White 1992-94 -1.1 1994-04 -3.9* 2004-10 -3.2* Black 1992-96 -0.4 1996-10 -3.6* Black NH <sup>ef</sup> 1992-96 -0.4 1996-10 -3.6* Al/AN <sup>eg</sup> 1992-10 -1.6*  -3.6* -3.6* Al/AN <sup>eg</sup> 1992-10 -1.6*		1992-97 -7.8	* 1997-00	4.3	2000-07	-2.5*	2007-10	-8.8*					-4.7*	
U.S. Cancer Mortality <sup>c</sup> , 1975-2010 All Races 1975-87 0.9* 1987-90 3.3* 1990-93 1.3 1993-10 -3.6* White 1975-87 0.8* 1987-91 3.2* 1991-94 -0.5 1994-98 -4.4* 1998-10 -3.5* Black 1975-94 2.3* 1994-01 -2.8* 2001-10 -3.9*  U.S. Cancer Mortality <sup>c</sup> , 1992-2010 All Races 1992-94 -1.2 1994-10 -3.6* White 1992-94 -0.6 1994-98 -4.4* 1998-10 -3.5* White NHef 1992-94 -1.1 1994-04 -3.9* 2004-10 -3.2* Black 1992-96 -0.4 1996-10 -3.6* Black NHef 1992-96 -0.4 1996-10 -3.6* AI/AN <sup>eg</sup> 1992-10 -3.6*  AI/AN <sup>eg</sup> 1992-10 -1.6*  Black NHef 1992-10 -1.6*	•												-1.9*	
All Races 1975-87 0.9* 1987-90 3.3* 1990-93 1.3 1993-10 -3.6*  White 1975-87 0.8* 1987-91 3.2* 1991-94 -0.5 1994-98 -4.4* 1998-10 -3.5*  Black 1975-94 2.3* 1994-01 -2.8* 2001-10 -3.9*  U.S. Cancer Mortality <sup>c</sup> , 1992-2010  All Races 1992-94 -1.2 1994-10 -3.6*  White 1992-94 -0.6 1994-98 -4.4* 1998-10 -3.5*  White NH <sup>ef</sup> 1992-94 -1.1 1994-04 -3.9* 2004-10 -3.2*  Black 1992-96 -0.4 1996-10 -3.6*  Black NH <sup>ef</sup> 1992-96 -0.4 1996-10 -3.4*  API <sup>e</sup> 1992-10 -3.6*  AI/AN <sup>eg</sup> 1992-10 -1.6*	Hispanic <sup>f</sup>	1992-95 -6.2	* 1995-04	-0.7	2004-10	-4.6*							-3.3*	-4.6*
White 1975-87 0.8* 1987-91 3.2* 1991-94 -0.5 1994-98 -4.4* 1998-10 -3.5* -3.5* -3.5* Black 1975-94 2.3* 1994-01 -2.8* 2001-10 -3.9* -3.9* -3.9* -3.9* -3.9* -3.9* -3.9* -3.9* -3.9* -3.6*	U.S. Cancer Morta	ality <sup>c</sup> , 1975-2010												
Black 1975-94 2.3* 1994-01 -2.8* 2001-10 -3.9* <u>U.S. Cancer Mortality<sup>c</sup>, 1992-2010</u> All Races 1992-94 -1.2 1994-10 -3.6*  White 1992-94 -0.6 1994-98 -4.4* 1998-10 -3.5*  White NH <sup>ef</sup> 1992-94 -1.1 1994-04 -3.9* 2004-10 -3.2*  Black 1992-96 -0.4 1996-10 -3.6*  Black NH <sup>ef</sup> 1992-96 -0.4 1996-10 -3.4*  API <sup>e</sup> 1992-10 -3.6*  AI/AN <sup>eg</sup> 1992-10 -1.6*	All Races	1975-87 0.9	* 1987-90	3.3*	1990-93	1.3	1993-10	-3.6*					-3.6*	-3.6*
U.S. Cancer Mortality <sup>c</sup> , 1992-2010 All Races 1992-94 -1.2 1994-10 -3.6* White 1992-94 -0.6 1994-98 -4.4* 1998-10 -3.5* White NH <sup>ef</sup> 1992-94 -1.1 1994-04 -3.9* 2004-10 -3.2* Black 1992-96 -0.4 1996-10 -3.6* Black NH <sup>ef</sup> 1992-96 -0.4 1996-10 -3.4* API <sup>e</sup> 1992-10 -3.6* AI/AN <sup>eg</sup> 1992-10 -1.6*	White	1975-87 0.8	* 1987-91	3.2*	1991-94	-0.5	1994-98	-4.4*	1998-10	-3.5*			-3.5*	-3.5*
All Races 1992-94 -1.2 1994-10 -3.6*  White 1992-94 -0.6 1994-98 -4.4* 1998-10 -3.5*  White NHef 1992-94 -1.1 1994-04 -3.9* 2004-10 -3.2*  Black 1992-96 -0.4 1996-10 -3.6*  Black NHef 1992-96 -0.4 1996-10 -3.4*  APIe 1992-10 -3.6*  AI/ANeg 1992-10 -1.6*	Black	1975-94 2.3	* 1994-01	-2.8*	2001-10	-3.9*							-3.9*	-3.9*
White 1992-94 -0.6 1994-98 -4.4* 1998-10 -3.5* White NHef 1992-94 -1.1 1994-04 -3.9* 2004-10 -3.2*  Black 1992-96 -0.4 1996-10 -3.6* Black NHef 1992-96 -0.4 1996-10 -3.4*  APIe 1992-10 -3.6* AI/ANeg 1992-10 -1.6*  -3.6* -3.6* -3.6* -3.6* -3.6* -3.6* -3.6* -3.6* -3.6*	U.S. Cancer Morta	ality <sup>c</sup> , 1992-2010												
White NH <sup>ef</sup> 1992-94 -1.1 1994-04 -3.9* 2004-10 -3.2*  Black 1992-96 -0.4 1996-10 -3.6*  Black NH <sup>ef</sup> 1992-96 -0.4 1996-10 -3.4*  API <sup>e</sup> 1992-10 -3.6*  AI/AN <sup>eg</sup> 1992-10 -1.6*  -3.4* -3.2*  -3.6* -3.6*  -3.6* -3.6*  -3.6* -3.6*	All Races	1992-94 -1.2	1994-10	-3.6*									-3.6*	-3.6*
Black 1992-96 -0.4 1996-10 -3.6*  Black NH <sup>ef</sup> 1992-96 -0.4 1996-10 -3.4*  API <sup>e</sup> 1992-10 -3.6*  AI/AN <sup>eg</sup> 1992-10 -1.6*  -3.6*  -3.6*  -3.6*  -3.6*  -3.6*  -3.6*  -3.6*  -3.6*	White	1992-94 -0.0	1994-98	-4.4*	1998-10	-3.5*							-3.5*	-3.5*
Black NH <sup>ef</sup> 1992-96 -0.4 1996-10 -3.4* -3.4* API <sup>e</sup> 1992-10 -3.6* -3.6* -3.6* AI/AN <sup>eg</sup> 1992-10 -1.6* -1.6*	White NH <sup>ef</sup>	1992-94 -1.	1994-04	-3.9*	2004-10	-3.2*							-3.4*	-3.2*
API <sup>e</sup> 1992-10 -3.6* -3.6* AI/AN <sup>eg</sup> 1992-10 -1.6* -1.6*	Black	1992-96 -0.4	1996-10	-3.6*									-3.6*	-3.6*
$AI/AN^{eg}$ 1992-10 -1.6* -1.6*	Black NH <sup>ef</sup>	1992-96 -0.4	1996-10	-3.4*									-3.4*	-3.4*
	API <sup>e</sup>	1992-10 -3.0	*										-3.6*	-3.6*
Hispanic <sup>f</sup> 1992-10 -2.5* -2.5*	AI/AN <sup>eg</sup>	1992-10 -1.0	*										-1.6*	-1.6*
	Hispanic <sup>f</sup>	1992-10 -2.	*										-2.5*	-2.5*

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.

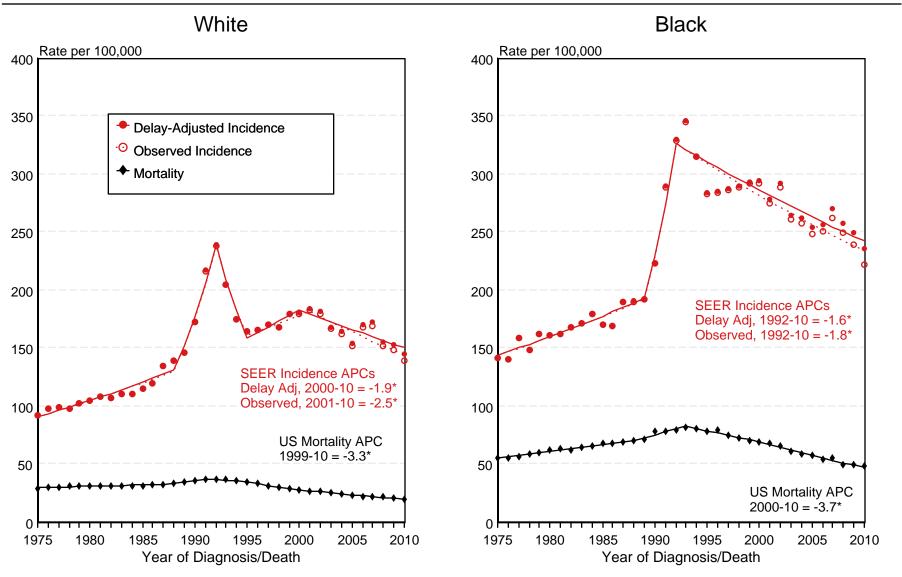
The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, SC, OK and VT

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

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

<sup>-</sup> Joinpoint regression line analysis could not be performed on data series.

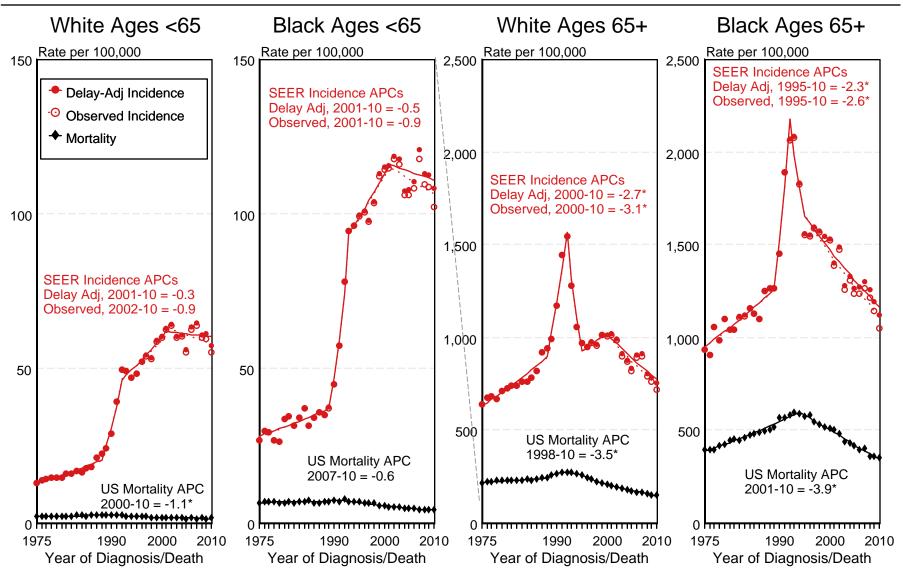
## SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates<sup>a</sup> Cancer of the Prostate, by Race



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 4.0.3, April 2013, 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).

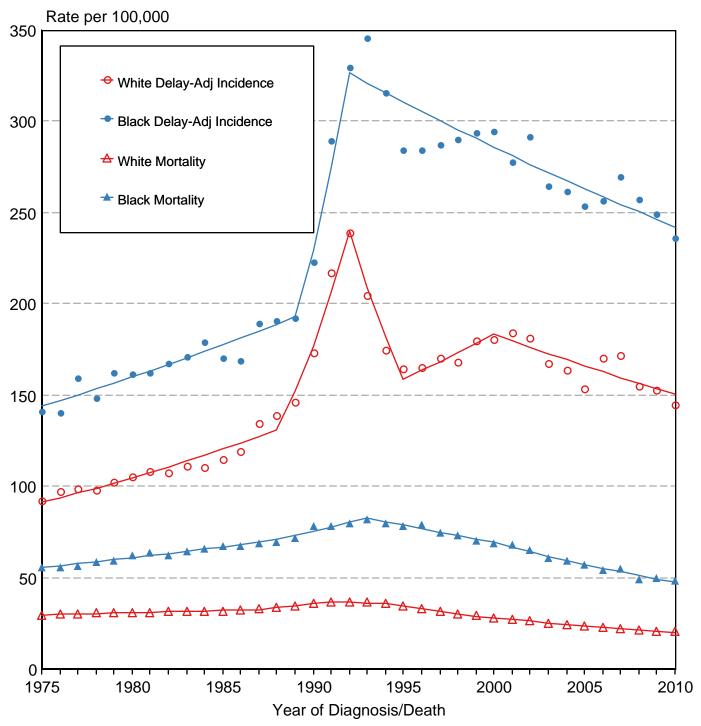
## SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates<sup>a</sup> Cancer of the Prostate, by Age and Race



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 4.0.3, April 2013, 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.

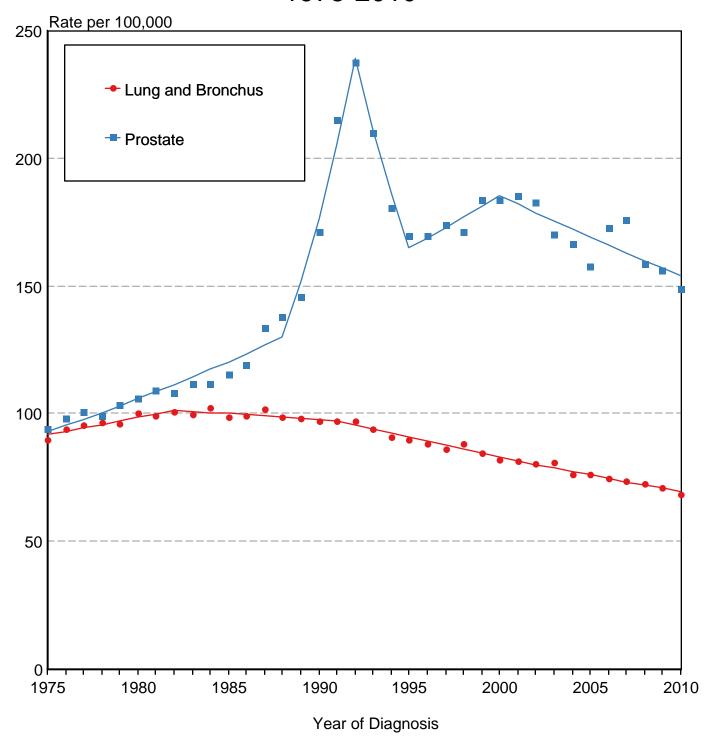
The APC is significantly different from zero (p < 0.05).

# Cancer of the Prostate Delay-Adjusted SEER Incidence & US Mortality 1975-2010



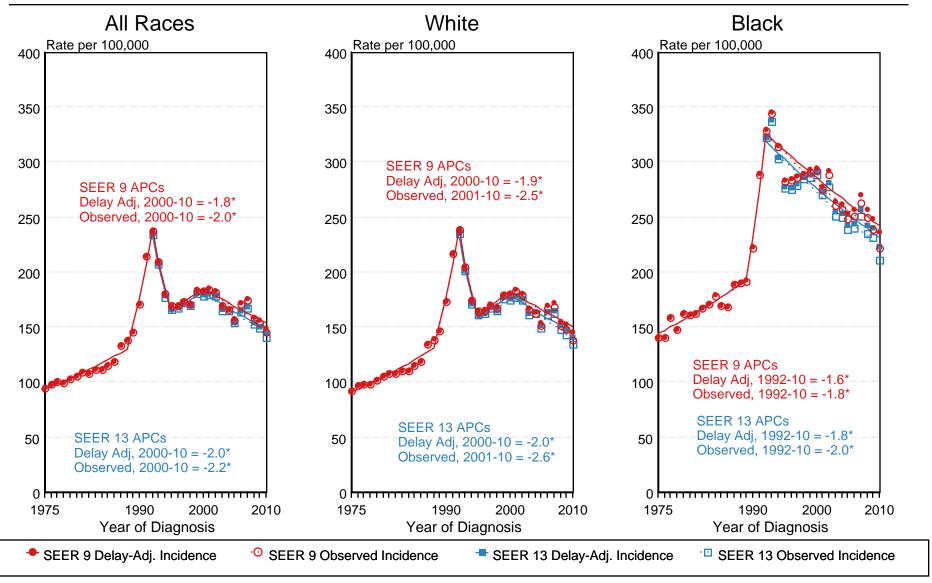
Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC). Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines are calculated using the Joinpoint Regression Program Version 4.0.3, April 2013, National Cancer Institute.

#### Delay-Adjusted Incidence Rates for Cancer of the Prostate and Cancer of the Lung and Bronchus All Races, Males 1975-2010



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 4.0.3, April 2013, National Cancer Institute.

## SEER Observed Incidence and SEER Delay Adjusted Incidence Rates<sup>a</sup> SEER 9 Areas Compared to SEER 13 Areas Cancer of the Prostate, by Race



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 4.0.3, April 2013, 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.

<sup>\*</sup> The APC is significantly different from zero (p < 0.05).

#### Table 24.1 Cancer of the Stomach (Invasive)

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints, Both Sexes by Race/Ethnicity

	JP Trend 1	JP Tr	end 2	JP Tr	end 3	JP Tr	end 4	JP Tr		JP Tr	end 6	AAPC <sup>d</sup>	
	Years APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adjusted Incidence <sup>a</sup> , 1975-2010													
All Races	1975-10 -1.6*											-1.6*	-1.6*
White	1975-10 -1.8*											-1.8*	-1.8*
Black	1975-82 0.9	1982-10	-1.6*									-1.6*	-1.6*
SEER 13 Delay-Adjus	sted Incidenceb,	1992-2010											
All Races	1992-10 -1.2*											-1.2*	-1.2*
White	1992-10 -1.1*											-1.1*	-1.1*
Black	1992-10 -1.6*											-1.6*	-1.6*
SEER 9 Observed Inc	cidence <sup>a</sup> , 1975-20	10											
All Races	1975-10 -1.6*											-1.6*	-1.6*
White	1975-97 -2.0*	1997-10	-1.3*									-1.3*	-1.3*
Black	1975-10 -1.4*											-1.4*	-1.4*
SEER 13 Observed In	ncidence <sup>b</sup> , 1992-2	010											
All Races	1992-10 -1.3*											-1.3*	-1.3*
White	1992-10 -1.2*											-1.2*	-1.2*
White NH <sup>ef</sup>	1992-10 -1.6*											-1.6*	-1.6*
Black	1992-10 -1.7*											-1.7*	-1.7*
Black NH <sup>ef</sup>	1992-10 -1.7*											-1.7*	-1.7*
API <sup>e</sup>	1992-10 -3.0*											-3.0*	-3.0*
AI/AN <sup>eg</sup>	1992-10 -0.4											-0.4	-0.4
Hispanic <sup>f</sup>	1992-10 -1.3*											-1.3*	-1.3*
U.S. Cancer Mortali	ity <sup>c</sup> , 1975-2010												
All Races	1975-87 -2.5*	1987-90	-0.3	1990-10	-3.0*							-3.0*	-3.0*
White	1975-87 -2.8*	1987-90	-0.9	1990-10	-3.1*							-3.1*	-3.1*
Black	1975-95 -1.3*	1995-10	-3.3*									-3.3*	-3.3*
U.S. Cancer Mortali	ity <sup>c</sup> , 1992-2010												
All Races	1992-10 -3.0*											-3.0*	-3.0*
White	1992-10 -3.1*											-3.1*	-3.1*
White NH <sup>ef</sup>	1992-10 -3.4*											-3.4*	-3.4*
Black	1992-10 -3.1*											-3.1*	-3.1*
Black NH <sup>ef</sup>	1992-10 -2.9*											-2.9*	-2.9*
API <sup>e</sup>	1992-10 -3.7*											-3.7*	-3.7*
AI/AN <sup>eg</sup>	1992-02 0.8	2002-10	-5.2*									-4.6*	-5.2*
Hispanic <sup>f</sup>	1992-10 -2.2*											-2.2*	-2.2*

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.

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

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

#### Table 24.2 Cancer of the Stomach (Invasive)

Trends in SEER Incidence and U.S. Mortality Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints, Males 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	AAI	P.C.d
	Years APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adi	usted Incidencea, 1	.975-2010											
All Races	1975-80 -0.2	1980-10	-1.8*									-1.8*	-1.8*
White	1975-10 -1.8	•										-1.8*	-1.8*
Black	1975-82 2.3	1982-10	-2.0*									-2.0*	-2.0*
SEER 13 Delay-Ad	justed Incidenceb,	1992-2010											
All Races	1992-10 -1.7	r										-1.7*	-1.7*
White	1992-10 -1.6	•										-1.6*	-1.6*
Black	1992-10 -2.1	r										-2.1*	-2.1*
SEER 9 Observed	Incidence <sup>a</sup> , 1975-20	110											
All Races	1975-80 -0.1	1980-10	-1.8*									-1.8*	-1.8*
White	1975-10 -1.8											-1.8*	-1.8*
Black	1975-82 2.2	1982-10	-2.0*									-2.0*	-2.0*
SEER 13 Observed	Incidence <sup>b</sup> , 1992-2	2010											
All Races	1992-10 -1.7											-1.7*	-1.7*
White	1992-10 -1.6	•										-1.6*	-1.6*
White NH <sup>ef</sup>	1992-10 -2.0	•										-2.0*	-2.0*
Black	1992-10 -2.2	•										-2.2*	-2.2*
Black NH <sup>ef</sup>	1992-10 -2.1	•										-2.1*	-2.1*
API <sup>e</sup>	1992-10 -3.0	•										-3.0*	-3.0*
AI/AN <sup>eg</sup>	1992-10 -0.7											-0.7	-0.7
Hispanic <sup>f</sup>	1992-10 -1.6	r										-1.6*	-1.6*
U.S. Cancer Mort	ality <sup>c</sup> , 1975-2010												
All Races	1975-87 -2.4	1987-90	-0.3	1990-10	-3.4*							-3.4*	-3.4*
White	1975-93 -2.3	1993-10	-3.6*									-3.6*	-3.6*
Black	1975-93 -1.1	1993-10	-3.3*									-3.3*	-3.3*
U.S. Cancer Mort	ality <sup>c</sup> , 1992-2010												
All Races	1992-94 -1.5	1994-06	-3.6*	2006-10	-2.6*							-3.1*	-2.6*
White	1992-94 -1.8	1994-06	-3.8*	2006-10	-2.7*							-3.3*	-2.7*
White NH <sup>ef</sup>	1992-94 -0.9	1994-10	-3.9*									-3.9*	-3.9*
Black	1992-10 -3.1	f										-3.1*	-3.1*
Black NH <sup>ef</sup>	1992-10 -3.0	•										-3.0*	-3.0*
API <sup>e</sup>	1992-10 -3.5	•										-3.5*	-3.5*
AI/AN <sup>eg</sup>	1992-10 -1.9	f										-1.9*	-1.9*
Hispanic <sup>f</sup>	1992-10 -2.4	r										-2.4*	-2.4*

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.

#### Table 24.3 Cancer of the Stomach (Invasive)

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints, Females by Race/Ethnicity

SEER 9 Delay-Adjusted Incidence   1975 - 10   1.5		JP Trend 1	JP Tr	end 2	JP Tr		JP Tr	end 4	JP Tr		JP Tr	end 6	AAI	
		Years APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
Mile   1975-10   -1.9*   -1.														
Refer   19   19   19   19   19   19   19   1	All Races	1975-10 -1.5*	_										-1.5*	-1.5*
SEER 13 Delay-Adjusted Incidence   1992-10   -0.7*	White	1975-10 -1.9*											-1.9*	-1.9*
Note   1992-10   -0.8*   -0.9*   -0.8*   -0.9*   -0.	Black	1975-10 -0.8*											-0.8*	-0.8*
Name	SEER 13 Delay-Adj	usted Incidenceb, I	1992-2010											
Black   1992-10   -0.9*   -0.9*   -0.9*   -0.9*   -0.9*   -0.9*   -0.9*   -0.9*   -0.9*   -0.9*   -0.9*   -0.9*   -0.9*   -0.9*   -0.5*   -0.5*   -0.5*   -0.9*   -0.9*   -0.9*   -0.9*   -0.9*   -0.9*   -0.9*   -0.9*   -0.9*   -0.9*   -0.9*   -0.9*   -0.9*   -0.9*   -0.9*   -0.9*   -0.9*   -0.9*   -0.9*   -0.8*   -0	All Races	1992-10 -0.7*											-0.7*	-0.7*
SERR 9   Observed Incidence*, 1975-2010   -1.5*   -1	White	1992-10 -0.8*											-0.8*	-0.8*
Races	Black	1992-10 -0.9*											-0.9*	-0.9*
White	SEER 9 Observed I	ncidencea, 1975-203	10											
Black   1975-10   -0.9*   -0.9*   -0.9*   -0.9*   -0.9*   -0.9*   -0.9*   -0.9*   -0.9*   -0.9*   -0.9*   -0.9*   -0.9*   -0.9*   -0.8*   -0.8*   -0.8*   -0.8*   -0.8*   -0.8*   -0.9*   -0	All Races	1975-10 -1.5*											-1.5*	-1.5*
SEER 13 Observed Incidence	White													
All Races   1992-10   -0.8*   -0.8*   -0.8*   -0.8*   White   1992-10   -0.9*   -0.9*   -0.9*   -0.9*   White NHef   1992-10   -1.6*	Black	1975-10 -0.9*											-0.9*	-0.9*
All Races   1992-10   -0.8*   -0.8*   -0.8*   White   1992-10   -0.9*   -0.9*   -0.9*   -0.9*   White NHef   1992-10   -1.6*   -1.1*	SEER 13 Observed	Incidence <sup>b</sup> , 1992-20	010											
White NHef 1992-10 -1.6* Black 1992-10 -1.1* Black NHef 1992-10 -1.1* APIe 1992-10 -2.6* AI/ANeg 1992-10 0.3 Hispanicf 1992-10 0.3 Hispanicf 1992-10 -1.1*  U.S. Cancer Mortalityf, 1975-2010 All Races 1975-87 -2.8* 1987-90 -0.4 1990-10 -2.7* White 1975-87 -3.1* 1987-90 -1.2 1990-10 -2.8* Black 1975-87 -3.1* 1987-90 -3.6*  U.S. Cancer Mortalityf, 1992-2010 All Races 1992-10 -2.8* White 1992-10 -2.8* Black 1992-10 -2.7* White 1992-10 -3.1* Black 1992-10 -3.0* Black NHef 1992-10 -3.0* Black NHe													-0.8*	-0.8*
Black   1992-10   -1.1*	White	1992-10 -0.9*											-0.9*	-0.9*
Black NHef   1992-10   -1.1*   APIe   1992-10   -2.6*   AI/ANeg   1992-10   -3.6*   -3.6*   -3.6*   -3.6*   -3.6*   -3.6*   -3.1*   -1.1*   -1.1*   -1.1*   -3.1*	White NH <sup>ef</sup>	1992-10 -1.6*											-1.6*	-1.6*
API e 1992-10	Black	1992-10 -1.1*											-1.1*	-1.1*
AI/AN <sup>eg</sup> 1992-10 0.3	Black NH <sup>ef</sup>	1992-10 -1.1*											-1.1*	-1.1*
Hispanic <sup>f</sup> 1992-10 -1.1*  U.S. Cancer Mortality <sup>c</sup> , 1975-2010  All Races 1975-87 -2.8* 1987-90 -0.4 1990-10 -2.7* White 1975-98 -1.1* 1998-10 -3.6*  Black 1975-98 -1.1* 1998-10 -3.6*  U.S. Cancer Mortality <sup>c</sup> , 1992-2010  All Races 1992-10 -2.7* White 1992-10 -3.1* Black 1992-10 -3.1* Black 1992-10 -3.0* Black NH <sup>ef</sup> 1992-10 -2.7* API <sup>e</sup> 1992-10 -3.7* AI/AN <sup>eg</sup> 1992-98 7.7 1998-10 -5.0*	API <sup>e</sup>	1992-10 -2.6*											-2.6*	-2.6*
No.   Cancer   Mortality°, 1975-2010	AI/AN <sup>eg</sup>	1992-10 0.3											0.3	0.3
All Races 1975-87 -2.8* 1987-90 -0.4 1990-10 -2.7*	Hispanic <sup>f</sup>	1992-10 -1.1*											-1.1*	-1.1*
White 1975-87 -3.1* 1987-90 -1.2 1990-10 -2.8*  Black 1975-98 -1.1* 1998-10 -3.6*  U.S. Cancer Mortality <sup>c</sup> , 1992-2010  All Races 1992-10 -2.7* White 1992-10 -2.8*  White NH <sup>ef</sup> 1992-10 -3.1*  Black 1992-10 -3.0*  Black NH <sup>ef</sup> 1992-10 -2.7*  API <sup>e</sup> 1992-10 -3.7*  AI/AN <sup>eg</sup> 1992-98 7.7 1998-10 -5.0*	U.S. Cancer Morta	lity <sup>c</sup> , 1975-2010												
Black 1975-98 -1.1* 1998-10 -3.6*  U.S. Cancer Mortality <sup>c</sup> , 1992-2010 All Races 1992-10 -2.7* White 1992-10 -2.8* White NH <sup>ef</sup> 1992-10 -3.1* Black 1992-10 -3.0* Black NH <sup>ef</sup> 1992-10 -2.7* API <sup>e</sup> 1992-10 -3.7* AI/AN <sup>eg</sup> 1992-98 7.7 1998-10 -5.0*	All Races	1975-87 -2.8*	1987-90	-0.4	1990-10	-2.7*							-2.7*	-2.7*
U.S. Cancer Mortality <sup>c</sup> , 1992-2010 All Races 1992-10 -2.7* White 1992-10 -2.8* White NH <sup>ef</sup> 1992-10 -3.1* Black 1992-10 -3.0* Black NH <sup>ef</sup> 1992-10 -3.0* Black NH <sup>ef</sup> 1992-10 -3.7* API <sup>e</sup> 1992-10 -3.7* AI/AN <sup>eg</sup> 1992-98 7.7 1998-10 -5.0*	White	1975-87 -3.1*	1987-90	-1.2	1990-10	-2.8*							-2.8*	-2.8*
All Races 1992-10 -2.7*  White 1992-10 -2.8*  White NH <sup>ef</sup> 1992-10 -3.1*  Black 1992-10 -3.0*  Black NH <sup>ef</sup> 1992-10 -2.7*  API <sup>e</sup> 1992-10 -3.7*  AI/AN <sup>eg</sup> 1992-98 7.7 1998-10 -5.0*  -2.7*  -2.7*  -2.7*  -2.7*  -3.0*  -3	Black	1975-98 -1.1*	1998-10	-3.6*									-3.6*	-3.6*
White 1992-10 -2.8* White NH <sup>ef</sup> 1992-10 -3.1* Black 1992-10 -3.0* Black NH <sup>ef</sup> 1992-10 -2.7* API <sup>e</sup> 1992-10 -3.7* AI/AN <sup>eg</sup> 1992-98 7.7 1998-10 -5.0*	U.S. Cancer Morta	lity <sup>c</sup> , 1992-2010												
White NH <sup>ef</sup> 1992-10 -3.1* -3.1* Black 1992-10 -3.0* -3.0* Black NH <sup>ef</sup> 1992-10 -2.7* API <sup>e</sup> 1992-10 -3.7* AI/AN <sup>eg</sup> 1992-98 7.7 1998-10 -5.0*	All Races	1992-10 -2.7*											-2.7*	-2.7*
Black 1992-10 -3.0* -3.0*	White	1992-10 -2.8*											-2.8*	-2.8*
Black NH <sup>ef</sup> 1992-10 -2.7* -2.7* API <sup>e</sup> 1992-10 -3.7* -3.7* AI/AN <sup>eg</sup> 1992-98 7.7 1998-10 -5.0*	White NH <sup>ef</sup>	1992-10 -3.1*											-3.1*	-3.1*
API <sup>e</sup> 1992-10 -3.7* -3.7* AI/AN <sup>eg</sup> 1992-98 7.7 1998-10 -5.0* -5.0*		1992-10 -3.0*											-3.0*	-3.0*
AI/AN <sup>eg</sup> 1992-98 7.7 1998-10 -5.0* -5.0*	Black NH <sup>ef</sup>	1992-10 -2.7*											-2.7*	-2.7*
	API <sup>e</sup>	1992-10 -3.7*											-3.7*	-3.7*
	AI/AN <sup>eg</sup>	1992-98 7.7	1998-10	-5.0*									-5.0*	-5.0*
Hispanic <sup>f</sup> 1992-10 -1.9* -1.9*	Hispanic <sup>f</sup>	1992-10 -1.9*											-1.9*	-1.9*

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.

The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpo API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic

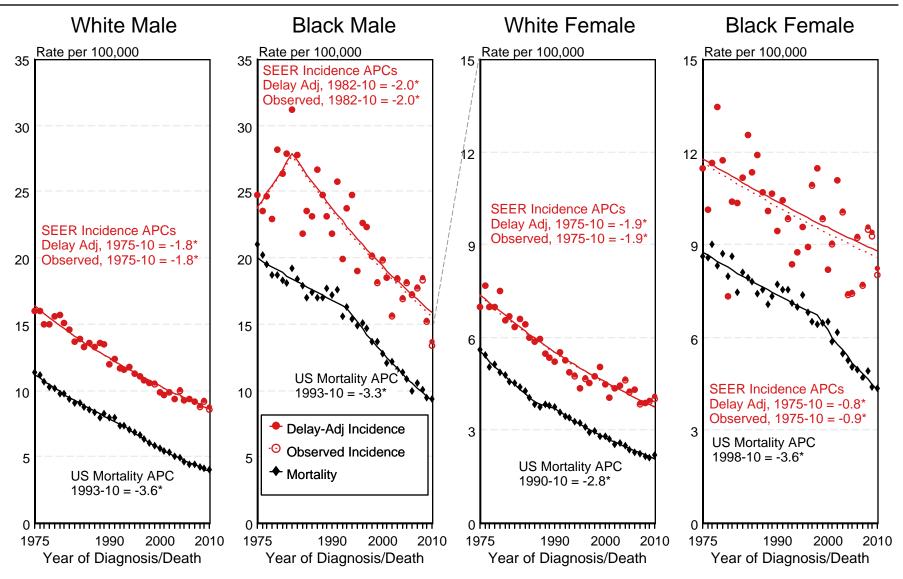
Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, SC, OK and VT.

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).

<sup>-</sup> Joinpoint regression line analysis could not be performed on data series.

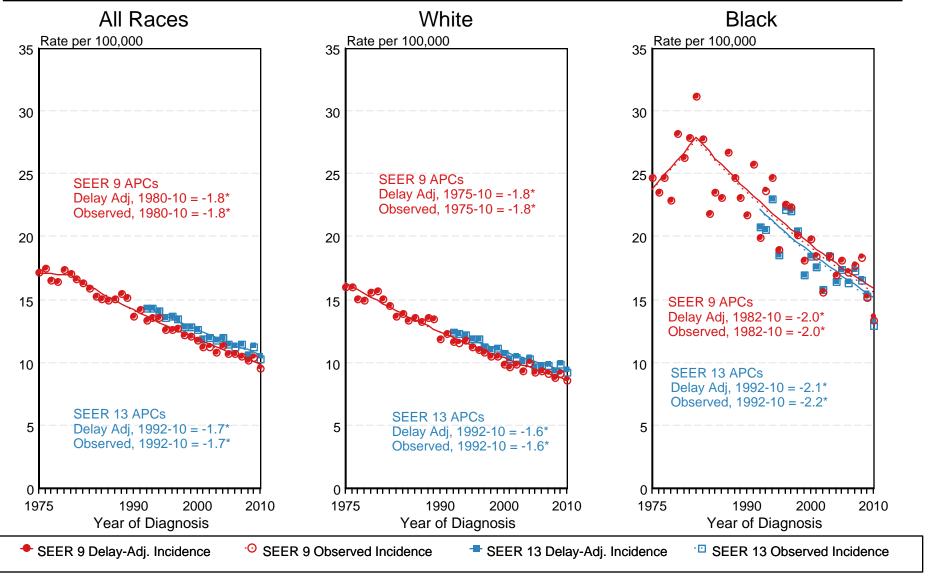
## SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates<sup>a</sup> Cancer of the Stomach, by Race and Sex



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 and APCs are calculated using the Joinpoint Regression Program Version 4.0.3, April 2013, 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).

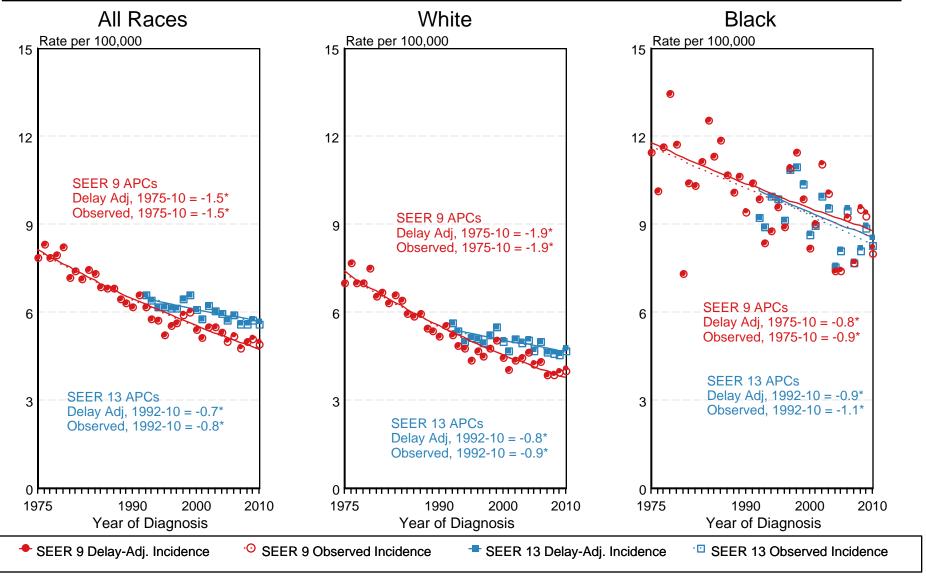
## SEER Observed Incidence and SEER Delay Adjusted Incidence Rates<sup>a</sup> SEER 9 Areas Compared to SEER 13 Areas Cancer of the Stomach, Male, by Race



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 4.0.3, April 2013, 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.

<sup>\*</sup> The APC is significantly different from zero (p < 0.05).

#### SEER Observed Incidence and SEER Delay Adjusted Incidence Rates<sup>a</sup> SEER 9 Areas Compared to SEER 13 Areas Cancer of the Stomach, Female, by Race



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 4.0.3, April 2013, 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.

<sup>\*</sup> The APC is significantly different from zero (p < 0.05).

#### Table 25.1 Cancer of the Testis (Invasive)

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints, All Ages by Race/Ethnicity

	JP Trend 1		JP Tre	end 2	JP Tr	end 3	JP Tr	end 4	JP Tr	end 5	JP Tr	end 6	AAI	oC <sub>q</sub>
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adjus	ted Inciden	nce <sup>a</sup> , 197	75-2010											
All Races	1975-89	2.2*	1989-10	0.9*									0.9*	0.9*
White	1975-89	2.5*	1989-10	1.1*									1.1*	1.1*
Black	1975-10	1.6*											1.6*	1.6*
SEER 13 Delay-Adju	sted Incide	ence <sup>b</sup> , 19	992-2010											
All Races	1992-10	1.2*											1.2*	1.2*
White	1992-10	1.4*											1.4*	1.4*
Black	1992-94	49.5	1994-10	0.8									0.8	0.8
SEER 9 Observed In		975-2010												
All Races	1975-87	2.5*	1987-10	0.9*									0.9*	0.9*
White	1975-87	2.8*	1987-10	1.1*									1.1*	1.1*
Black	1975-10	2.2*											2.2*	2.2*
SEER 13 Observed I	incidence <sup>b</sup> ,	1992-201	_0											
All Races	1992-10	1.2*											1.2*	1.2*
White	1992-10	1.4*											1.4*	1.4*
White NH <sup>ef</sup>	1992-07	1.7*	2007-10	-2.9									0.1	-1.8
Black	1992-94	50.5	1994-10	0.7									0.7	0.7
Black NH <sup>ef</sup>	1992-94	47.0	1994-10	0.8									0.8	0.8
API <sup>e</sup>	1992-10	1.1											1.1	1.1
AI/AN <sup>eg</sup>	1992-10	2.8											2.8	2.8
Hispanic <sup>f</sup>	1992-10	2.9*											2.9*	2.9*
U.S. Cancer Mortal	ity <sup>c</sup> , 1975-	2010												
All Races	1975-81	-10.5*	1981-95	-3.1*	1995-10	-0.2							-0.2	-0.2
White	1975-81	-10.8*	1981-95	-2.9*	1995-10	-0.1							-0.1	-0.1
Black	1975-10	-2.0*											-2.0*	-2.0*
U.S. Cancer Mortal	ity <sup>c</sup> , 1992-	2010												
All Races	1992-10	-0.6*											-0.6*	-0.6*
White	1992-10	-0.5											-0.5	-0.5
White NH <sup>ef</sup>	1992-10	-0.4											-0.4	-0.4
Black	1992-10	-0.5											-0.5	-0.5
Black NH <sup>ef</sup>	1992-10	-0.7											-0.7	-0.7
API <sup>e</sup>	1992-10	1.8											1.8	1.8
AI/AN <sup>eg</sup>	_	-											-	_
Hispanic <sup>f</sup>	1992-10	0.5											0.5	0.5

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.

e 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.

The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, SC, OK and V Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

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

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

#### Table 25.2 Cancer of the Testis (Invasive)

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints, Ages <50 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	AAI	.PC <sup>d</sup>	
	Years APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10	
SEER 9 Delay-Adi	usted Incidencea, 1	975-2010												
All Races	1975-89 2.7		0.8*									0.8*	0.8*	
White	1975-89 3.0	1989-10	1.1*									1.1*	1.1*	
Black	1975-10 1.1	r										1.1*	1.1*	
SEER 13 Delay-Ad	justed Incidenceb,	1992-2010												
All Races	1992-10 1.2	k										1.2*	1.2*	
White	1992-10 1.4	r ·										1.4*	1.4*	
Black	1992-10 1.0											1.0	1.0	
SEER 9 Observed 1	Incidence <sup>a</sup> , 1975-20	010												
All Races	1975-89 2.7	1989-10	0.8*									0.8*	0.8*	
White	1975-87 3.4	1987-10	1.1*									1.1*	1.1*	
Black	1975-10 1.9	ŧ										1.9*	1.9*	
SEER 13 Observed	Incidence <sup>b</sup> , 1992-2	2010												
All Races	1992-10 1.1	t .										1.1*	1.1*	
White	1992-10 1.3	t .										1.3*	1.3*	
White NH <sup>ef</sup>	1992-07 1.7	2007-10	-3.6									-0.1	-2.3	
Black	1992-10 1.3											1.3	1.3	
Black NH <sup>ef</sup>	1992-10 1.4											1.4	1.4	
API <sup>e</sup>	1992-10 0.9											0.9	0.9	
AI/AN <sup>eg</sup>	1992-10 2.2											2.2	2.2	
Hispanic <sup>f</sup>	1992-10 3.0	ŧ										3.0*	3.0*	
U.S. Cancer Morta	ality <sup>c</sup> , 1975-2010													
All Races	1975-81 -11.4	1981-95	-2.7*	1995-10	-0.7							-0.7	-0.7	
White	1975-82 -10.9	1982-08	-1.7*	2008-10	12.2							1.2	5.0	
Black	1975-10 -1.2	·										-1.2*	-1.2*	
U.S. Cancer Morta														
All Races	1992-10 -0.9	r .										-0.9*	-0.9*	
White	1992-10 -0.8											-0.8*	-0.8*	
White NH <sup>ef</sup>	1992-10 -0.9	*										-0.9*	-0.9*	
Black	1992-10 -0.9											-0.9	-0.9	
Black NH <sup>ef</sup>	1992-10 -1.3											-1.3	-1.3	
API <sup>e</sup>	1992-08 5.8	2008-10	-61.6									-15.5	-36.3	
AI/AN <sup>eg</sup>												_	_	
Hispanic <sup>f</sup>	1992-10 1.6	·										1.6*	1.6*	

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.

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.

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

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

#### Table 25.3 Cancer of the Testis (Invasive)

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints, Ages 50+ by Race/Ethnicity

	JP Trend	d 1	JP Tre		JP Tr	end 3	JP Tr	end 4	JP Tre		JP Tr	end 6	AAI	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adj	justed Incidence	e <sup>a</sup> , 1975	-2010											
All Races		0.4											0.4	0.4
White	1975-10	0.5*											0.5*	0.5*
Black	_	-											-	-
SEER 13 Delay-Ad	djusted Incidenc	ce <sup>b</sup> , 199	2-2010											
All Races		1.8*											1.8*	1.8*
White	1992-10	1.8*											1.8*	1.8*
Black	-	-											-	-
SEER 9 Observed		75-2010												
All Races		-0.3	2000-10	2.9*									2.9*	2.9*
White	1975-99 -	-0.3	1999-10	2.5*									2.5*	2.5*
Black	-	-											-	-
SEER 13 Observed	d Incidence <sup>b</sup> , 19	992-2010	<u>.</u>											
All Races		1.8*											1.8*	1.8*
White		1.8*											1.8*	1.8*
White NH <sup>ef</sup>	1992-10	2.1*											2.1*	2.1*
Black	-	-											-	-
Black NH <sup>ef</sup>	-	-											-	-
API <sup>e</sup>	1992-10	2.2											2.2	2.2
AI/AN <sup>eg</sup>		-											_	
Hispanic <sup>f</sup>	1992-10	0.5											0.5	0.5
U.S. Cancer Mort	cality <sup>c</sup> , 1975-20	010												
All Races		-5.8*	1991-10	0.2									0.2	0.2
White			1990-10	0.3									0.3	0.3
Black	1975-10 -	-2.9*											-2.9*	-2.9*
U.S. Cancer Mort	ality <sup>c</sup> , 1992-20	010												
All Races		0.2											0.2	0.2
White		0.4											0.4	0.4
White NH <sup>ef</sup>		0.8											0.8	0.8
Black		-0.4											-0.4	-0.4
Black NH <sup>ef</sup>	1992-10	0.3											0.3	0.3
API <sup>e</sup>	_	-											-	-
AI/AN <sup>eg</sup>	-	-											-	-
Hispanic <sup>f</sup>	1992-10 -	-3.0											-3.0	-3.0

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.

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

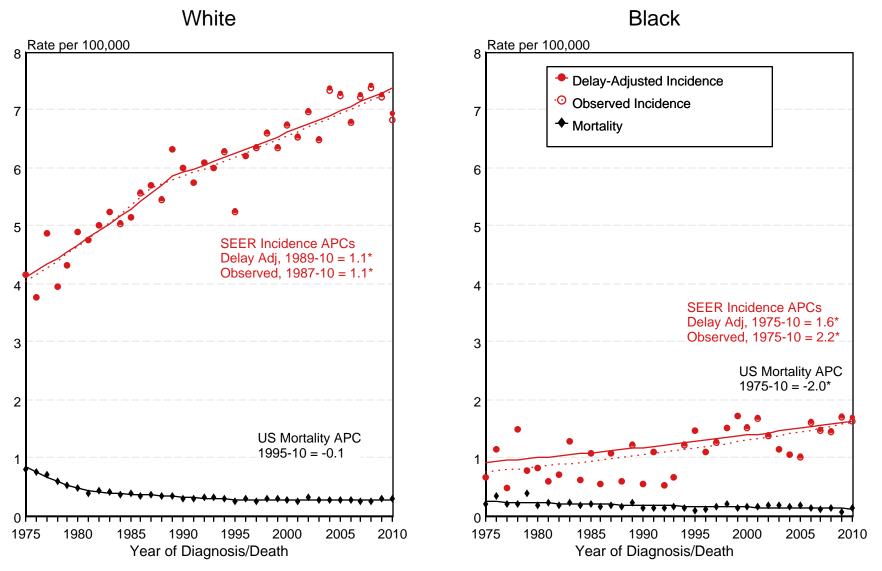
Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, SC, OK and VT.

The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, SC, OK and Vi Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

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

<sup>-</sup> Joinpoint regression line analysis could not be performed on data series.

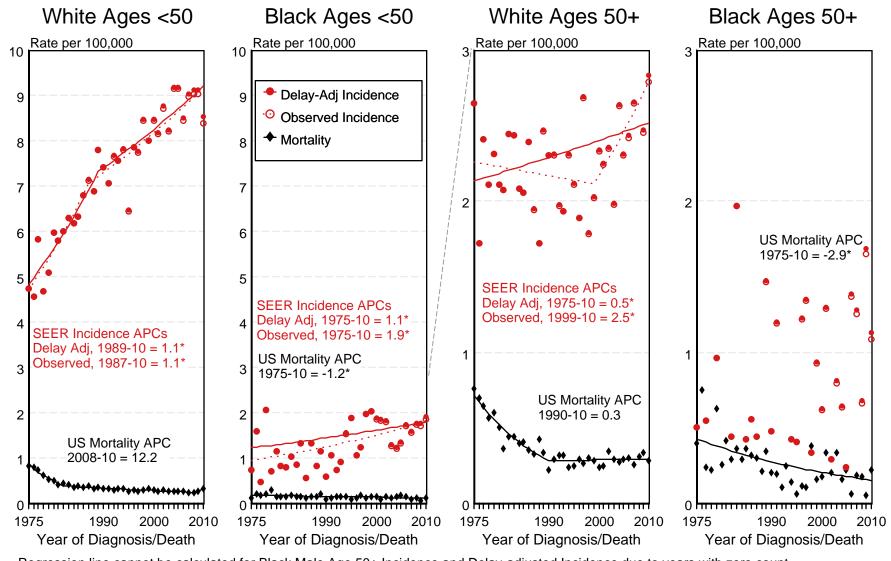
## SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates<sup>a</sup> Cancer of the Testis, by Race



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 4.0.3, April 2013, 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<sup>a</sup> Cancer of the Testis, by Age and Race



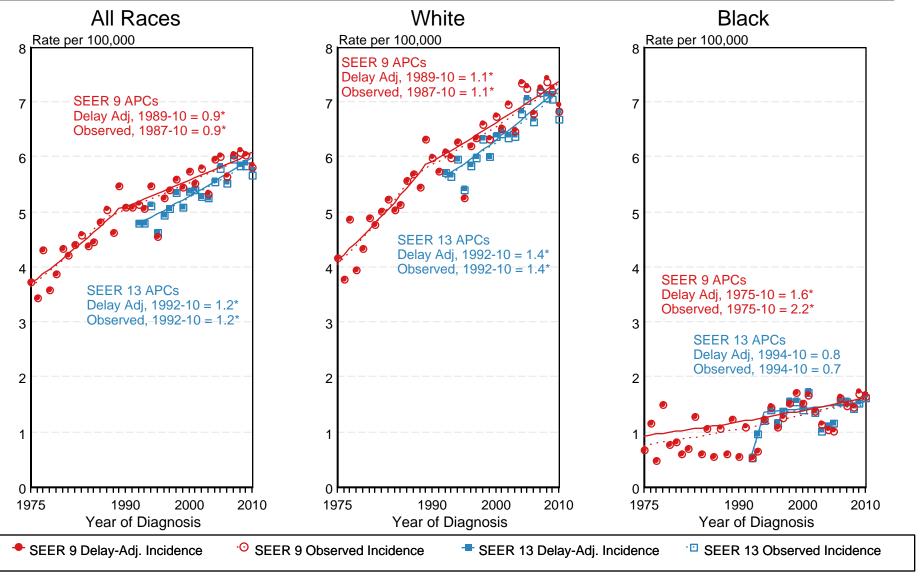
Regression line cannot be calculated for Black Male Age 50+ Incidence and Delay-adjusted Incidence due to years with zero count. Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).

Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.0.3, April 2013, 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).

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

#### SEER Observed Incidence and SEER Delay Adjusted Incidence Rates<sup>a</sup> SEER 9 Areas Compared to SEER 13 Areas Cancer of the Testis, by Race



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 4.0.3, April 2013, 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.

<sup>\*</sup> The APC is significantly different from zero (p < 0.05).

#### Table 26.1 Cancer of the Thyroid (Invasive)

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints, Both Sexes by Race/Ethnicity

	JP Trend 1		JP Tre	end 2	JP Tre	end 3	JP Tre	nd 4	JP Tre	nd 5	JP Tr	end 6	AAI	PC <sup>d</sup>
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adjust	ed Incide	nce <sup>a</sup> , 19	75-2010											
All Races	1975-81	-2.1	1981-96	2.2*	1996-10	6.3*							6.3*	6.3*
White	1975-81	-2.0	1981-97	2.7*	1997-08	7.2*	2008-10	2.6					6.2*	4.9*
Black	1975-95	0.7	1995-10	6.3*									6.3*	6.3*
SEER 13 Delay-Adjust	ted Incide	ence <sup>b</sup> , 19	992-2010											
All Races	1992-98	3.3*	1998-10	6.3*									6.3*	6.3*
White	1992-98	4.0*	1998-10	6.5*									6.5*	6.5*
Black	1992-95	-4.5	1995-10	6.8*									6.8*	6.8*
SEER 9 Observed Inc.	idenceª, 1	975-2010	<u>0</u>											
All Races	1975-77	6.2	1977-80	-6.7	1980-97	2.5*	1997-10	6.4*					6.4*	6.4*
White	1975-77	7.3	1977-80	-6.6	1980-97	2.7*	1997-08	7.1*	2008-10	2.1			6.0*	4.6*
Black	1975-95	0.8	1995-10	6.2*									6.2*	6.2*
SEER 13 Observed Inc	cidence <sup>b</sup> ,	1992-20	10											
All Races	1992-98	3.2*	1998-10	6.2*									6.2*	6.2*
White	1992-98	3.9*	1998-10	6.4*									6.4*	6.4*
White NH <sup>ef</sup>	1992-98	4.6*	1998-10	6.6*									6.6*	6.6*
Black	1992-95	-4.3	1995-10	6.7*									6.7*	6.7*
Black NH <sup>ef</sup>	1992-95	-4.7	1995-10	6.8*									6.8*	6.8*
API <sup>e</sup>	1992-00	0.6	2000-10	5.2*									5.2*	5.2*
AI/AN <sup>eg</sup>	1992-10	3.6*											3.6*	3.6*
Hispanic <sup>f</sup>	1992-95	-4.8	1995-10	5.1*									5.1*	5.1*
U.S. Cancer Mortali	ty <sup>c</sup> , 1975-	-2010												
All Races	1975-89	-2.0*	1989-10	0.9*									0.9*	0.9*
White	1975-89	-2.1*	1989-10	0.9*									0.9*	0.9*
Black	1975-10	0.0											0.0	0.0
U.S. Cancer Mortali	ty <sup>c</sup> , 1992-	-2010												
All Races	1992-10	0.9*											0.9*	0.9*
White	1992-10	0.8*											0.8*	0.8*
White NH <sup>ef</sup>	1992-10	1.0*											1.0*	1.0*
Black	1992-10	1.2*											1.2*	1.2*
Black NH <sup>ef</sup>	1992-10	1.4*											1.4*	1.4*
API <sup>e</sup>	1992-10	0.0											0.0	0.0
AI/AN <sup>eg</sup>														
AT / AIN	1992-10	1.2											1.2	1.2

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

e 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).

<sup>-</sup> Joinpoint regression line analysis could not be performed on data series.

#### Table 26.2 Cancer of the Thyroid (Invasive)

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints, Males by Race/Ethnicity

	JP Trend 1	JP Tr	end 2	JP Tre	end 3	JP Tre	end 4	JP Tr	end 5	JP Tr	end 6	AAI	. C <sub>q</sub>
	Years APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adjus	sted Incidencea,	1975-2010											
All Races	1975-80 -4.5	1980-97	1.8*	1997-10	5.5*							5.5*	5.5*
White	1975-77 10.5	1977-80	-9.0	1980-97	2.5*	1997-10	5.8*					5.8*	5.8*
Black	1975-10 2.8	*										2.8*	2.8*
SEER 13 Delay-Adju	usted Incidence <sup>b</sup> ,	1992-2010											
All Races	1992-96 -0.9		5.4*									5.4*	5.4*
White	1992-95 -1.9	1995-10	5.6*									5.6*	5.6*
Black	1992-95 -11.3	1995-10	5.4*									5.4*	5.4*
SEER 9 Observed In		010											
All Races	1975-80 -4.6		1.8*	1997-10	5.5*							5.5*	5.5*
White	1975-77 10.1		-9.0	1980-97	2.5*	1997-10	5.7*					5.7*	5.7*
Black	1975-10 2.9	*										2.9*	2.9*
SEER 13 Observed 1	Incidence <sup>b</sup> , 1992-	2010											
All Races	1992-96 -1.0	1996-10	5.4*									5.4*	5.4*
White	1992-95 -1.9	1995-10	5.5*									5.5*	5.5*
White NH <sup>ef</sup>	1992-96 0.5	1996-10	6.0*									6.0*	6.0*
Black	1992-95 -11.6	1995-10	5.4*									5.4*	5.4*
Black NH <sup>ef</sup>	1992-95 -11.2	1995-10	5.4*									5.4*	5.4*
API <sup>e</sup>	1992-10 2.7	*										2.7*	2.7*
AI/AN <sup>eg</sup>	1992-10 2.8	}										2.8	2.8
Hispanic <sup>f</sup>	1992-10 3.8	<b>*</b>										3.8*	3.8*
U.S. Cancer Mortal	lity <sup>c</sup> , 1975-2010												
All Races	1975-83 -3.1	* 1983-10	1.2*									1.2*	1.2*
White	1975-84 -2.6	5* 1984-10	1.3*									1.3*	1.3*
Black	1975-10 0.4	<u> </u>										0.4	0.4
U.S. Cancer Mortal	lity <sup>c</sup> , 1992-2010												
All Races	1992-10 1.6	; *										1.6*	1.6*
White	1992-10 1.6	;*										1.6*	1.6*
White NH <sup>ef</sup>	1992-10 1.6	; *										1.6*	1.6*
Black	1992-10 2.0	*										2.0*	2.0*
Black NH <sup>ef</sup>	1992-10 1.7	*										1.7*	1.7*
API <sup>e</sup>	1992-10 -0.3	}										-0.3	-0.3
AI/AN <sup>eg</sup>												-	_
Hispanic <sup>f</sup>	1992-10 1.8	3										1.8	1.8

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.

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

<sup>-</sup> Joinpoint regression line analysis could not be performed on data series.

#### Table 26.3 Cancer of the Thyroid (Invasive)

Trends in SEER Incidence and U.S. Mortality Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints, Females by Race/Ethnicity

		JP Trend 1		JP Tre	end 2	JP Tre	end 3	JP Tre	end 4	JP Tr	end 5	JP Tr	end 6	AAI	PC <sup>d</sup>
All Races		Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
All Races	SEER 9 Delay-Adius	ted Incider	nce <sup>a</sup> . 197	75-2010											
Black   1975-93   0.0   1993-10   6.5*   6					2.5*	1996-10	6.6*							6.6*	6.6*
See	White	1975-82	-1.0	1982-97	3.0*	1997-08	7.6*	2008-10	2.8					6.5*	5.2*
All Races 1992-98 3.9* 1998-10 6.5*   White 1992-10 6.4*   Black 1992-10 6.4*   SEER 9 Observed Incidence*, 1975-2010  All Races 1975-81 -1.6 1981-96 2.5* 1996-10 6.6*   White 1975-82 -1.0 1982-97 3.0* 1997-08 7.5* 2008-10 2.3   SEER 19 Observed Incidence*, 1975-2010  All Races 1975-91 -0.4 1991-10 5.9* 1997-08 7.5* 2008-10 2.3   SEER 13 Observed Incidence*, 1992-2010  All Races 1992-98 3.9* 1998-10 6.6*   White NH=fe 1992-98 4.7* 1998-10 6.6*   Black 1992-98 2.5 1998-10 7.5*   Black NH=fe 1992-98 2.5 1998-10 7.5*   Black NH=fe 1992-98 2.5 1998-10 7.5*   Black NH=fe 1992-00 0.9 200-10 5.4*   Black NH=fe 1992-00 3.8*   Black NH=fe 1992	Black	1975-93	0.0	1993-10	6.5*									6.5*	6.5*
White         1992-10         6.4* Black         6.4* Black         6.4* Black         6.8* G.8*           SEER 9 Observed Incidence*, 1975-2010         1975-81         -1.6         1981-96         2.5* 1996-10         6.6*           White         1975-82         -1.0         1982-97         3.0* 1997-08         7.5* 2008-10         2.3         6.3* 4.9*           Black         1975-91         -0.4         1991-10         5.9*         2008-10         2.3         6.5*         6.3* 4.9*           Black         1992-98         2.9*         1992-10         5.9*         2008-10         2.3         6.3* 4.9*           Black         1992-98         3.9*         1998-10         6.5*         6.5*         6.5*           White         1992-98         3.9*         1998-10         6.5*         6.5*         6.5*           White NHef         1992-98         2.8         1998-10         7.5*         9.5*         9.5*         9.5*         9.5*           Black NHef         1992-98         2.8         1998-10         7.5*         9.5*         9.5*         9.5*         9.5*         9.5*         9.5*         9.5*         9.5*         9.5*         9.5*         9.5*         9.5*         9.5*	SEER 13 Delay-Adju	sted Incide	ence <sup>b</sup> , 19	992-2010											
Black   1992-10   6.8*   5.8	All Races	1992-98	3.9*	1998-10	6.5*									6.5*	6.5*
SEER 9 Observed Incidence*, 1975-2010     All Races	White	1992-10	6.4*											6.4*	6.4*
All Races	Black	1992-10	6.8*											6.8*	6.8*
White 1975-82 -1.0 1982-97 3.0* 1997-08 7.5* 2008-10 2.3 6.3* 4.9* Black 1975-91 -0.4 1991-10 5.9* 5.9* 5.9* 5.9*    SEER 13 Observed Incidence <sup>b</sup> , 1992-2010  All Races 1992-98 3.9* 1998-10 6.5* 6.5* 6.5*   White 1992-98 4.7* 1998-10 6.6* 6.6*   White NH <sup>ef</sup> 1992-10 6.5* 6.5* 6.5*   Black 1992-98 2.8 1998-10 7.5*   Black NH <sup>ef</sup> 1992-90 0.9 2000-10 5.4* 7.7* 7.7* API <sup>e</sup> 1992-00 0.9 2000-10 5.4*   AI/AN <sup>eg</sup> 1992-01 3.8*   Hispanic <sup>f</sup> 1992-98 1.0 1998-10 5.6*    U.S. Cancer Mortality <sup>e</sup> , 1975-2010 All Races 1975-88 -2.9* 1988-10 0.4*   Black 1975-80 -2.0* 1998-10 0.5*   Black 1975-80 -2.0* 1998-10 0.4*   Black 1975-80 -2.0* 1998-10 0.5*   Black 1975-80 -2.0* 1998-10 0.4*   Black 1975-80 -0.0* 1998-10 0.4*   Black 1975-10 -0.2   Black 1975-80 -0.0* 1998-10 0.5*   Black 1975-80 -0.0* 1998-10 0.4*   Black 1975-80 -0.0* 1998-10 0.4*   Black 1975-10 -0.2   Black 1992-10 -0.4   Black 1975-10 -0.4   Black 1975-10 -0.2   Black 1992-10 -0.4   Black 1975-10 -0.4   Black 1992-10 -0.4   Black 199	SEER 9 Observed In														
Black   1975-91   -0.4   1991-10   5.9*   5.9*   5.9*															
SEER 13 Observed Incidence   1992-98   3.9    1998-10   6.5    6.5      All Races	White	1975-82	-1.0	1982-97	3.0*	1997-08	7.5*	2008-10	2.3					6.3*	
All Races       1992-98       3.9*       1998-10       6.5*         White       1992-98       4.7*       1998-10       6.6*         White NHef       1992-10       6.5*       6.6*         Black       1992-98       2.8       1998-10       7.5*         Black NHef       1992-98       2.5       1998-10       7.7*         API°       1992-90       0.9       2000-10       5.4*         AI/AN°9       1992-10       3.8*       3.8*         Hispanicf       1992-98       1.0       1998-10       5.6*         U.S. Cancer Mortality°, 1975-2010       3.88*       3.8*         All Races       1975-88       -2.7*       1988-10       0.5*         White       1975-88       -2.9*       1988-10       0.4*         Black       1975-10       -0.2       -0.2         U.S. Cancer Mortality°, 1992-2010       -0.2       -0.2         All Races       1992-94       -6.4       1994-10       0.9*	Black	1975-91	-0.4	1991-10	5.9*									5.9*	5.9*
White       1992-98       4.7*       1998-10       6.6*         White NHef       1992-10       6.5*       6.5*         Black       1992-98       2.8       1998-10       7.5*       7.5*         Black NHef       1992-98       2.5       1998-10       7.7*       7.7*         API*       1992-00       0.9       2000-10       5.4*       7.7*       7.7*         AI/AN**       1992-10       3.8*       3.8*       3.8*         Hispanic*       1992-98       1.0       1998-10       5.6*       5.6*         U.S. Cancer Mortality**, 1975-2010       3.8*       3.8*       3.8*         White       1975-88       -2.7*       1988-10       0.5*         White       1975-88       -2.9*       1988-10       0.4*         Black       1975-10       -0.2       -0.2       -0.2         U.S. Cancer Mortality**       1992-2010       0.4*       0.4*         Black       1992-94       -6.4*       1994-10       0.9*															
White NHef 1992-10 6.5* Black 1992-98 2.8 1998-10 7.5* Black 1992-98 2.8 1998-10 7.5* Black NHef 1992-98 2.5 1998-10 7.7* APIe 1992-00 0.9 2000-10 5.4* AI/ANeg 1992-10 3.8* Hispanicf 1992-98 1.0 1998-10 5.6*  U.S. Cancer Mortalityc, 1975-2010 All Races 1975-88 -2.7* 1988-10 0.4* Black 1975-10 -0.2  U.S. Cancer Mortalityc, 1992-2010 All Races 1975-80 -2.9* 1988-10 0.4* Black 1975-10 -0.2  U.S. Cancer Mortalityc, 1992-2010 All Races 1992-94 -6.4 1994-10 0.9*															
Black 1992-98 2.8 1998-10 7.5* Black NHef 1992-98 2.5 1998-10 7.7* APIe 1992-00 0.9 2000-10 5.4*  AI/ANeg 1992-10 3.8* Hispanicf 1992-98 1.0 1998-10 5.6*  U.S. Cancer Mortalityc, 1975-2010  All Races 1975-88 -2.7* 1988-10 0.5* White 1975-88 -2.9* 1988-10 0.4* Black 1975-10 -0.2 -0.2  U.S. Cancer Mortalityc, 1992-2010  All Races 1975-88 -2.9* 1988-10 0.4* Black 1975-10 -0.2 -0.2  U.S. Cancer Mortalityc, 1992-2010  All Races 1992-94 -6.4 1994-10 0.9*				1998-10	6.6*										
Black NHef 1992-98 2.5 1998-10 7.7* 7.7*  APIe 1992-00 0.9 2000-10 5.4*  AI/ANeg 1992-10 3.8* Hispanic 1992-98 1.0 1998-10 5.6*  U.S. Cancer Mortality, 1975-2010  All Races 1975-88 -2.7* 1988-10 0.5* White 1975-88 -2.9* 1988-10 0.4* Black 1975-10 -0.2  U.S. Cancer Mortality, 1992-2010  All Races 1975-8 -2.9* 1988-10 0.4*  Black 1975-10 -0.2  U.S. Cancer Mortality, 1992-2010  All Races 1992-94 -6.4 1994-10 0.9*															
API <sup>e</sup> 1992-00 0.9 2000-10 5.4*  AI/AN <sup>eg</sup> 1992-10 3.8* Hispanic <sup>f</sup> 1992-98 1.0 1998-10 5.6*  U.S. Cancer Mortality <sup>c</sup> , 1975-2010  All Races 1975-88 -2.7* 1988-10 0.5* White 1975-88 -2.9* 1988-10 0.4* Black 1975-10 -0.2  U.S. Cancer Mortality <sup>c</sup> , 1992-2010 All Races 1975-8 -2.9* 1988-10 0.4* Black 1975-10 -0.2  U.S. Cancer Mortality <sup>c</sup> , 1992-2010 All Races 1992-94 -6.4 1994-10 0.9*		1992-98	2.8	1998-10	7.5*									7.5*	
AI/AN <sup>eg</sup> 1992-10 3.8* Hispanic <sup>f</sup> 1992-98 1.0 1998-10 5.6*  U.S. Cancer Mortality <sup>c</sup> , 1975-2010 All Races 1975-88 -2.7* 1988-10 0.5* White 1975-88 -2.9* 1988-10 0.4* Black 1975-10 -0.2 -0.2  U.S. Cancer Mortality <sup>c</sup> , 1992-2010 All Races 1992-94 -6.4 1994-10 0.9*		1992-98	2.5		7.7*										
Hispanic 1992-98 1.0 1998-10 5.6*  U.S. Cancer Mortality 1975-2010 All Races 1975-88 -2.7* 1988-10 0.5* White 1975-88 -2.9* 1988-10 0.4* Black 1975-10 -0.2 -0.2  U.S. Cancer Mortality 1992-2010 All Races 1992-94 -6.4 1994-10 0.9*	API <sup>e</sup>	1992-00	0.9	2000-10	5.4*									5.4*	5.4*
U.S. Cancer Mortality <sup>c</sup> , 1975-2010 All Races 1975-88 -2.7* 1988-10 0.5* White 1975-88 -2.9* 1988-10 0.4* Black 1975-10 -0.2 -0.2  U.S. Cancer Mortality <sup>c</sup> , 1992-2010 All Races 1992-94 -6.4 1994-10 0.9*	,	1992-10	3.8*											3.8*	3.8*
All Races 1975-88 -2.7* 1988-10 0.5* 0.5* White 1975-88 -2.9* 1988-10 0.4* 0.4* Black 1975-10 -0.2 -0.2  U.S. Cancer Mortality <sup>c</sup> , 1992-2010 All Races 1992-94 -6.4 1994-10 0.9* 0.9*	Hispanic <sup>f</sup>	1992-98	1.0	1998-10	5.6*									5.6*	5.6*
White 1975-88 -2.9* 1988-10 0.4* Black 1975-10 -0.2 -0.2 <u>U.S. Cancer Mortality<sup>c</sup>, 1992-2010</u> All Races 1992-94 -6.4 1994-10 0.9*	U.S. Cancer Mortal	ity <sup>e</sup> , 1975-	2010												
Black 1975-10 -0.2 -0.2 <u>U.S. Cancer Mortality<sup>c</sup>, 1992-2010</u> All Races 1992-94 -6.4 1994-10 0.9*  0.9*	All Races	1975-88	-2.7*	1988-10	0.5*									0.5*	0.5*
<u>U.S. Cancer Mortality<sup>c</sup>, 1992-2010</u> All Races 1992-94 -6.4 1994-10 0.9*	White	1975-88	-2.9*	1988-10	0.4*									0.4*	0.4*
All Races 1992-94 -6.4 1994-10 0.9* 0.9*	Black	1975-10	-0.2											-0.2	-0.2
		ity <sup>e</sup> , 1992-	2010												
White 1992-95 -3 3 1995-10 0.8*	All Races	1992-94	-6.4	1994-10	0.9*									0.9*	0.9*
	White	1992-95	-3.3	1995-10	0.8*									0.8*	0.8*
White NH $^{ m ef}$ 1992-94 -5.6 1994-10 0.9* 0.9*	White NH <sup>ef</sup>	1992-94	-5.6	1994-10	0.9*									0.9*	0.9*
Black 1992-10 1.0 1.0 1.0		1992-10	1.0											1.0	1.0
Black NH <sup>ef</sup> 1992-10 1.5* 1.5*		1992-10	1.5*											1.5*	1.5*
API <sup>e</sup> 1992-03 -3.7* 2003-10 5.2* 3.2 5.2*	API <sup>e</sup>	1992-03	-3.7*	2003-10	5.2*									3.2	5.2*
$AI/AN^{eg}$ 1992-10 -0.6 -0.6	AI/AN <sup>eg</sup>	1992-10	-0.6											-0.6	-0.6
Hispanic <sup>f</sup> 1992-10 -1.2* -1.2*	Hispanic <sup>f</sup>	1992-10	-1.2*											-1.2*	-1.2*

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.

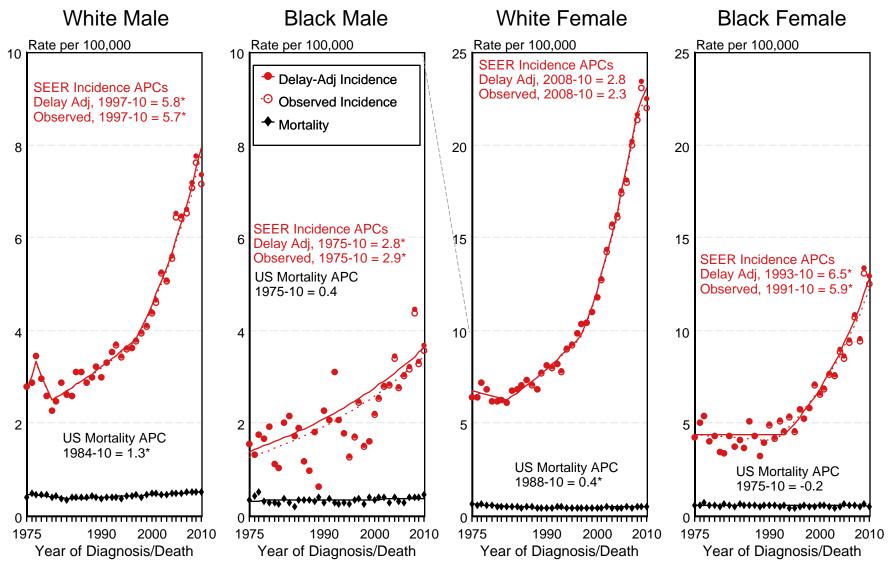
API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases 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.

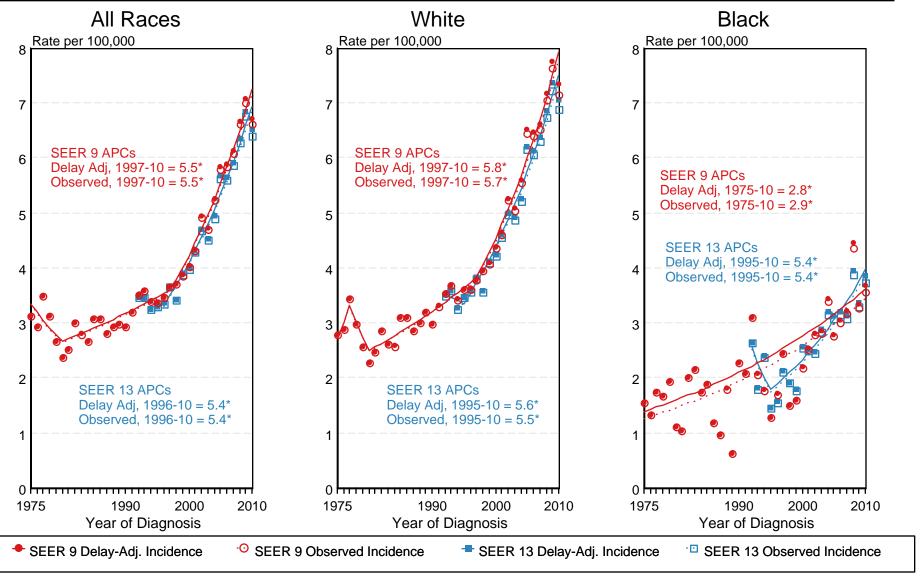
## SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates<sup>a</sup> Cancer of the Thyroid, by Race and Sex



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 and APCs are calculated using the Joinpoint Regression Program Version 4.0.3, April 2013, 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).

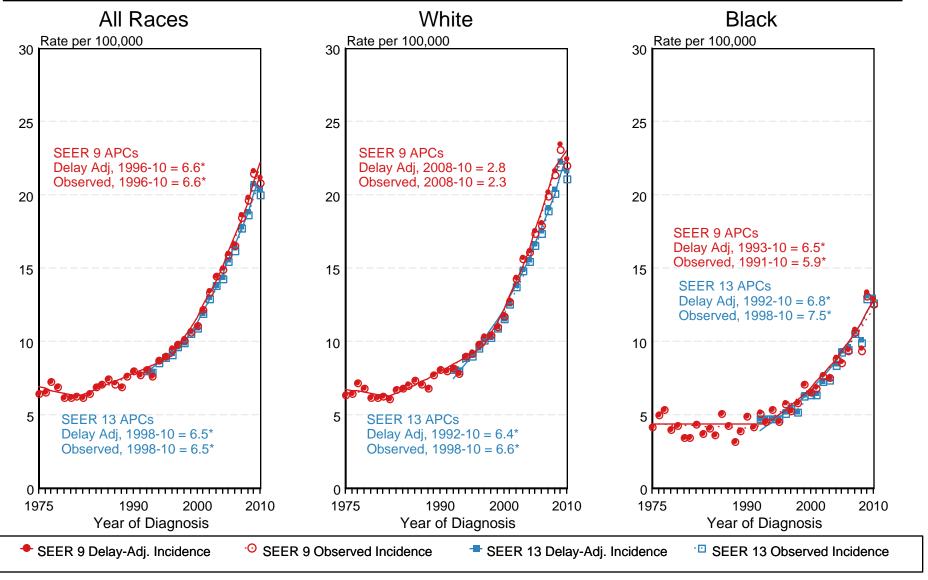
# SEER Observed Incidence and SEER Delay Adjusted Incidence Rates<sup>a</sup> SEER 9 Areas Compared to SEER 13 Areas Cancer of the Thyroid, Male, by Race



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 4.0.3, April 2013, 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.

<sup>\*</sup> The APC is significantly different from zero (p < 0.05).

# SEER Observed Incidence and SEER Delay Adjusted Incidence Rates<sup>a</sup> SEER 9 Areas Compared to SEER 13 Areas Cancer of the Thyroid, Female, by Race



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 4.0.3, April 2013, 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.

<sup>\*</sup> 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<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints, Both Sexes by Race/Ethnicity

	JP Trend 1		JP Tre	end 2	JP Tre	end 3	JP Tre	nd 4	JP Tr	end 5	JP Tr	end 6	AAI	C <sub>q</sub>
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adjus	ted Incide	nce <sup>a</sup> , 197	75-2010											
All Races	1975-86	0.7*	1986-10	0.2*									0.2*	0.2*
White	1975-87	0.9*	1987-10	0.3*									0.3*	0.3*
Black	1975-10	0.3*											0.3*	0.3*
SEER 13 Delay-Adju	sted Incide	ence <sup>b</sup> , 19	992-2010											
All Races	1992-10	0.0											0.0	0.0
White	1992-10	0.2*											0.2*	0.2*
Black	1992-10	0.5											0.5	0.5
SEER 9 Observed In			_											
All Races	1975-86	0.7*	1986-07	0.2*	2007-10	-1.3							-0.3	-0.9
White	1975-86	0.9*	1986-05	0.3*	2005-10	-0.7							-0.2	-0.7
Black	1975-10	0.2											0.2	0.2
SEER 13 Observed I	ncidence <sup>b</sup> ,	1992-201	<u>LO</u>											
All Races	1992-05	0.2	2005-10	-0.9									-0.4	-0.9
White	1992-04	0.3*	2004-10	-0.7									-0.4	-0.7
White NH <sup>ef</sup>	1992-10	0.2*											0.2*	0.2*
Black	1992-10	0.3											0.3	0.3
Black NH <sup>ef</sup>	1992-10	0.4											0.4	0.4
API <sup>e</sup>	1992-10	0.2											0.2	0.2
AI/AN <sup>eg</sup>	1992-10	1.9											1.9	1.9
Hispanic <sup>f</sup>	1992-07	0.2	2007-10	-5.0									-1.5	-3.7
U.S. Cancer Mortal	ity <sup>c</sup> , 1975-	2010												
All Races	1975-77	0.0	1977-87	-2.1*	1987-00	-0.2*	2000-10	0.1					0.1	0.1
White	1975-77	0.1	1977-87	-2.1*	1987-00	0.0	2000-10	0.3*					0.3*	0.3*
Black	1975-10	-1.0*											-1.0*	-1.0*
U.S. Cancer Mortal	ity <sup>c</sup> , 1992-	2010												
All Races	1992-99	-0.4	1999-10	0.2									0.2	0.2
White	1992-99	-0.2	1999-10	0.3*									0.3*	0.3*
White NH <sup>ef</sup>	1992-97	-0.3	1997-10	0.5*									0.5*	0.5*
Black	1992-10	-1.0*											-1.0*	-1.0*
Black NH <sup>ef</sup>	1992-10	-0.7*											-0.7*	-0.7*
API <sup>e</sup>	1992-10	-0.7											-0.7	-0.7
AI/AN <sup>eg</sup>	1992-10	3.2*											3.2*	3.2*
Hispanic <sup>f</sup>	1992-10	-0.3											-0.3	-0.3

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.

The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, SC, OK and V Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

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

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

#### Table 27.2 Cancer of the Urinary Bladder (Invasive and In Situ)

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints, Males by Race/Ethnicity

	JP Trend 1		JP Tre		JP Tre		JP Tre		JP Tre		JP Tr		AAF	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adjust	ted Incidence	e <sup>a</sup> , 197	5-2010											
All Races	1975-86	0.9*	1986-10	0.1									0.1	0.1
White	1975-87	1.0*	1987-10	0.1*									0.1*	0.1*
Black	1975-10	0.3*											0.3*	0.3*
SEER 13 Delay-Adjus	sted Inciden	ce <sup>b</sup> , 19	92-2010											
All Races	1992-10	0.0											0.0	0.0
White	1992-10	0.1											0.1	0.1
Black	1992-10	0.6*											0.6*	0.6*
SEER 9 Observed Inc														
All Races	1975-87	1.0*	1987-96	-0.5	1996-99	1.8	1999-10						-0.3	-0.3
White	1975-87	1.2*	1987-95	-0.5	1995-00	1.2	2000-10	-0.3					-0.3	-0.3
Black	1975-10	0.3*											0.3*	0.3*
SEER 13 Observed In	ncidence <sup>b</sup> , 19	992-201	<u>0</u>											
All Races		-0.1											-0.1	-0.1
White	1992-10	0.0											0.0	0.0
White NH <sup>ef</sup>	1992-10	0.1											0.1	0.1
Black	1992-10	0.6*											0.6*	0.6*
Black NH <sup>ef</sup>	1992-10	0.6*											0.6*	0.6*
API <sup>e</sup>	1992-10	0.5*											0.5*	0.5*
AI/AN <sup>eg</sup>	1992-10	2.0											2.0	2.0
Hispanic <sup>f</sup>	1992-10 -	-0.3											-0.3	-0.3
U.S. Cancer Mortal:	ity <sup>c</sup> , 1975-20	010												
All Races		-1.4*	1983-87	-2.8*	1987-93	0.2	1993-97	-1.1	1997-10	0.1			0.1	0.1
White	1975-82 -	-1.4*	1982-87	-2.3*	1987-02	-0.2*	2002-10	0.3					0.2	0.3
Black	1975-10 -	-1.0*											-1.0*	-1.0*
U.S. Cancer Mortal:	ity <sup>c</sup> , 1992-20	010												
All Races	1992-00 -	-0.6*	2000-10	0.2									0.2	0.2
White	1992-99 -	-0.5*	1999-10	0.2*									0.2*	0.2*
White NH <sup>ef</sup>	1992-97 -	-0.8	1997-10	0.4*									0.4*	0.4*
Black	1992-10 -	-0.8*											-0.8*	-0.8*
Black NH <sup>ef</sup>	1992-10 -	-0.5*											-0.5*	-0.5*
API <sup>e</sup>	1992-10	0.0											0.0	0.0
AI/AN <sup>eg</sup>	1992-10	4.9*											4.9*	4.9*
Hispanic <sup>f</sup>	1992-10 -	-0.4											-0.4	-0.4

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.

The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, SC, OK and V Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

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

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

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

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program, 1975-2010 With up to Five Joinpoints, 1992-2010 With up to Three Joinpoints, Females by Race/Ethnicity

	JP Trend 1	JP Tr	end 2	JP Tr	rend 3	JP Tr	end 4	JP Tr	end 5	JP Tr	end 6	AAI	PC <sup>d</sup>
	Years AP	C Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10
SEER 9 Delay-Adju	sted Incidencea,	1975-2010											
All Races	1975-02 0.		-0.9*									-0.7*	-0.9*
White	1975-02 0.	4* 2002-10	-0.8									-0.7	-0.8
Black	1975-10 0.	2										0.2	0.2
SEER 13 Delay-Adj	usted Incidenceb	, 1992-2010											
All Races	1992-10 -0.	4*										-0.4*	-0.4*
White	1992-10 -0.	3*										-0.3*	-0.3*
Black	1992-10 0.	1										0.1	0.1
SEER 9 Observed I													
All Races	1975-03 0.											-1.0*	-1.3*
White	1975-02 0.		-1.2*									-1.0*	-1.2*
Black	1975-10 0.	2										0.2	0.2
SEER 13 Observed													
All Races	1992-04 -0.											-0.9*	-1.3*
White	1992-04 -0.											-0.9*	-1.3*
White NH <sup>ef</sup>	1992-03 0.		-0.9*									-0.7*	-0.9*
Black	1992-10 -0.											-0.1	-0.1
Black NH <sup>ef</sup>	1992-10 -0.											-0.1	-0.1
API <sup>e</sup>	1992-10 0.											0.0	0.0
AI/AN <sup>eg</sup>	1992-10 4.											4.0	4.0
Hispanic <sup>f</sup>	1992-10 -0.	5										-0.6	-0.6
U.S. Cancer Morta													
All Races	1975-86 -1.											-0.4*	-0.4*
White	1975-86 -1.		-0.2*									-0.2*	-0.2*
Black	1975-10 -0.	9*										-0.9*	-0.9*
U.S. Cancer Morta													
All Races	1992-10 -0.											-0.5*	-0.5*
White	1992-10 -0.											-0.3*	-0.3*
White NH <sup>ef</sup>	1992-10 -0.											-0.1	-0.1
Black	1992-10 -1.											-1.2*	-1.2*
Black NH <sup>ef</sup>	1992-10 -1.											-1.0*	-1.0*
API <sup>e</sup>	1992-10 -1.											-1.3	-1.3
AI/AN <sup>eg</sup>	1992-10 0.											0.2	0.2
Hispanic <sup>f</sup>	1992-10 -0.	3										-0.3	-0.3

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.

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

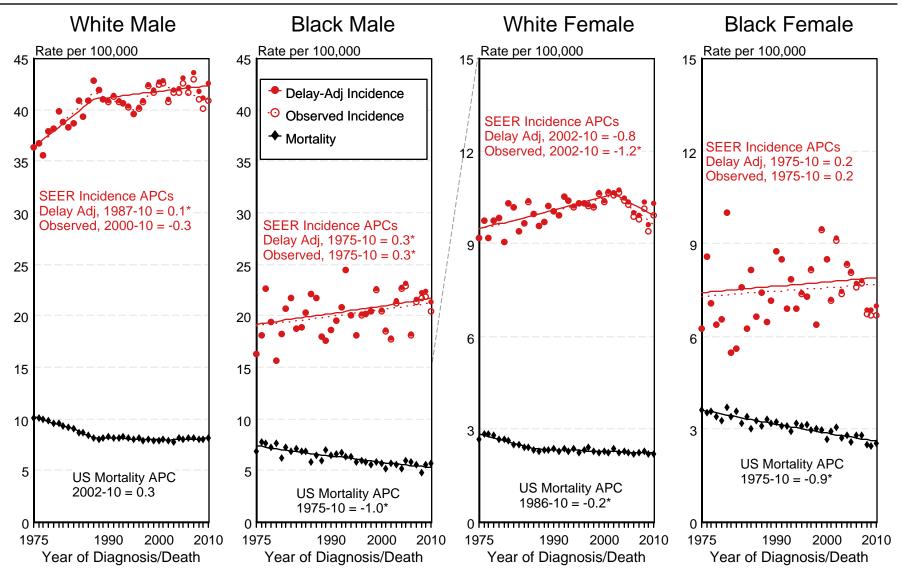
Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude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

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

<sup>-</sup> Joinpoint regression line analysis could not be performed on data series.

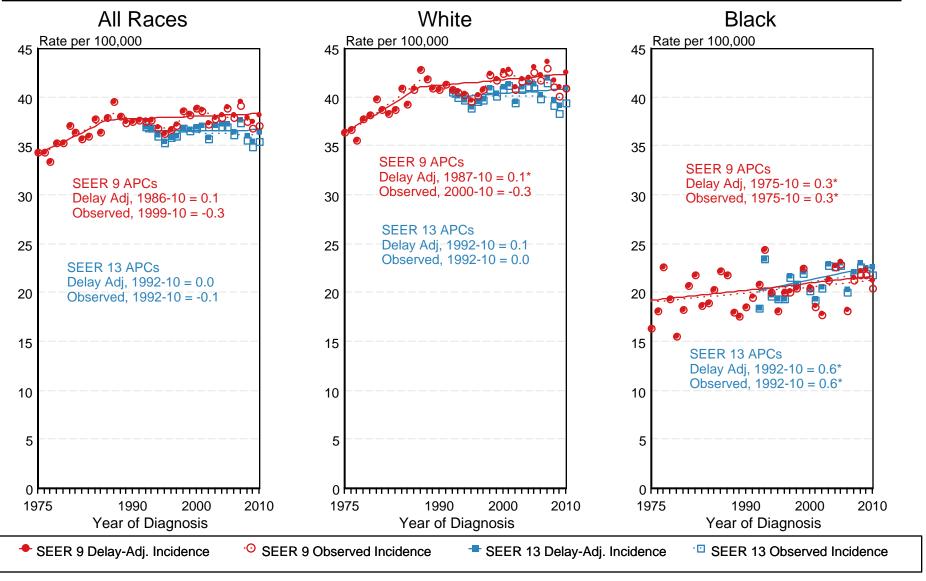
## SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates<sup>a</sup> Cancer of the Urinary Bladder, by Race and Sex



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 and APCs are calculated using the Joinpoint Regression Program Version 4.0.3, April 2013, 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).

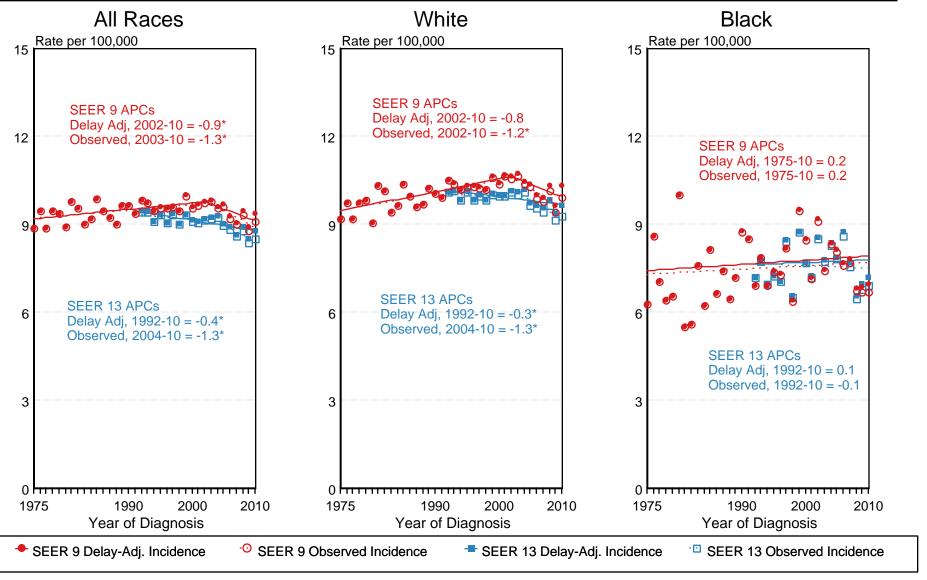
# SEER Observed Incidence and SEER Delay Adjusted Incidence Rates<sup>a</sup> SEER 9 Areas Compared to SEER 13 Areas Cancer of the Urinary Bladder, Male, by Race



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 4.0.3, April 2013, 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.

<sup>\*</sup> The APC is significantly different from zero (p < 0.05).

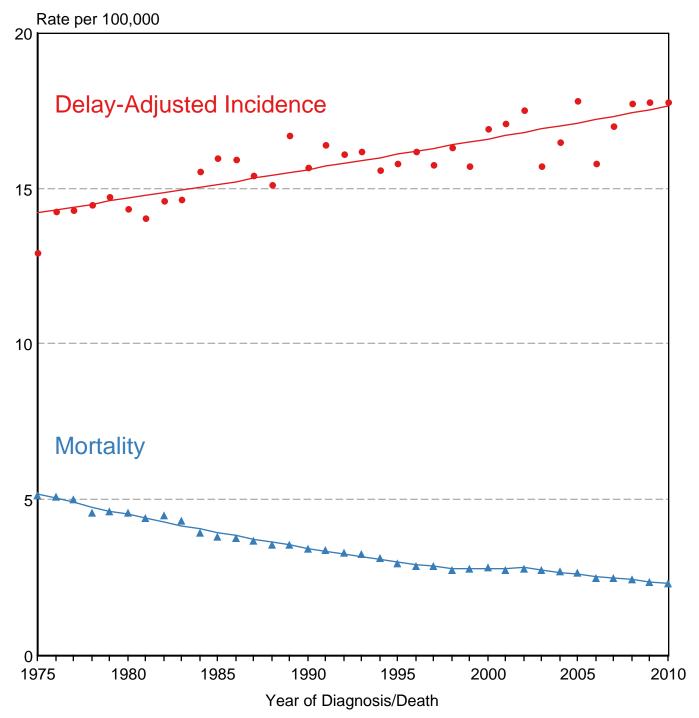
# SEER Observed Incidence and SEER Delay Adjusted Incidence Rates<sup>a</sup> SEER 9 Areas Compared to SEER 13 Areas Cancer of the Urinary Bladder, Female, by Race



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 4.0.3, April 2013, 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.

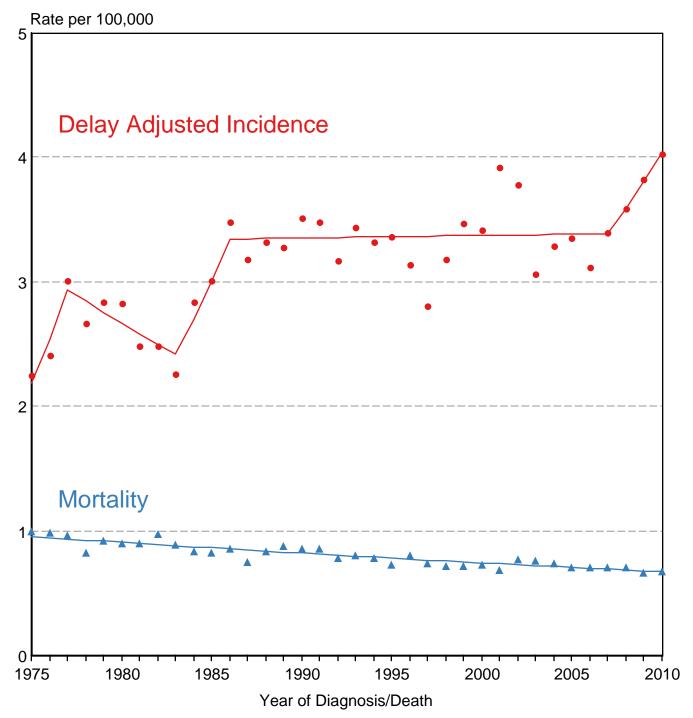
<sup>\*</sup> The APC is significantly different from zero (p < 0.05).

### SEER Delay-Adjusted Incidence and US Mortality All Childhood Cancers, Under 20 Years of Age Both Sexes, All Races, 1975-2010



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 4.0.3, April 2013, National Cancer Institute.

### SEER Delay-Adjusted Incidence and US Mortality Brain and CNS, Under 15 Years of Age Both Sexes, All Races, 1975-2010



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 4.0.3, April 2013, National Cancer Institute.