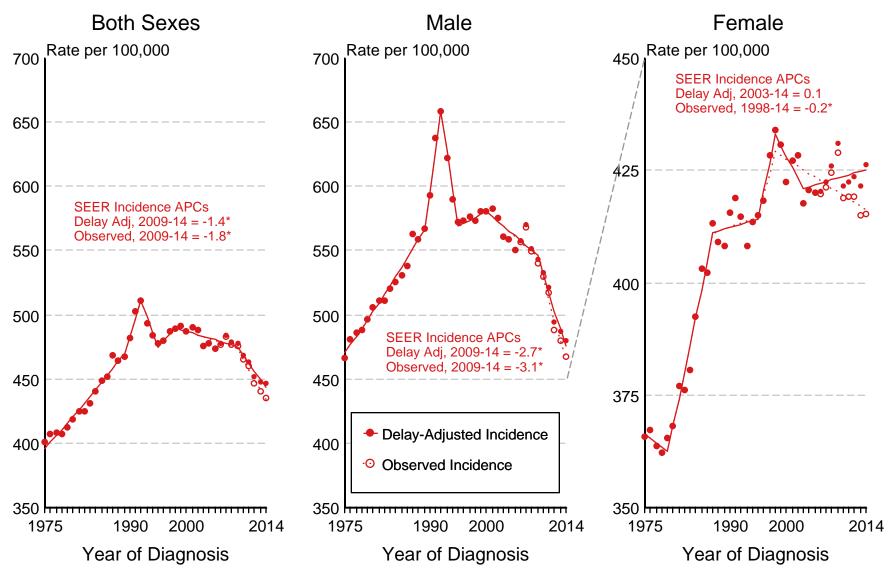
SEER Observed Incidence and Delay Adjusted Incidence Rates^a All Cancer Sites, By Sex

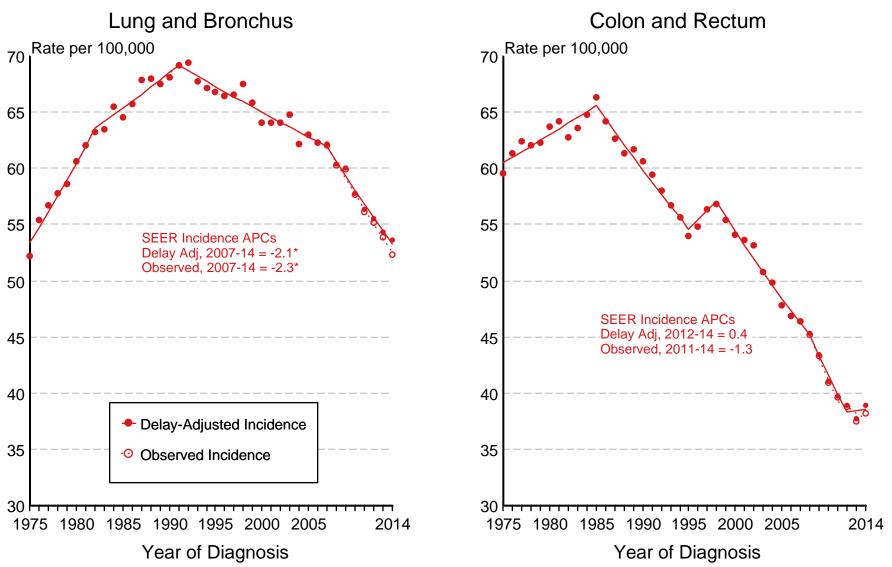


Source: SEER 9 areas.

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

Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.

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



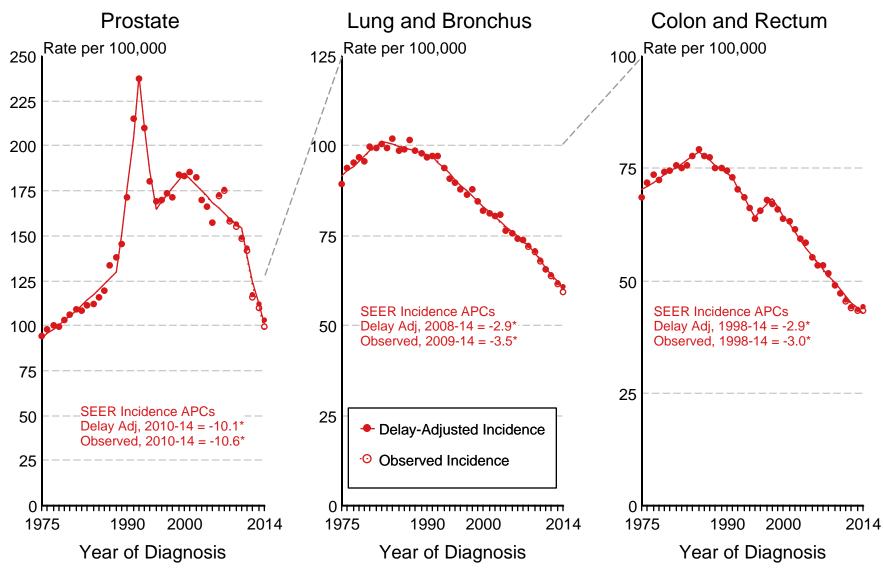
Source: SEER 9 areas.

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

Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.

SEER Observed Incidence and Delay Adjusted Incidence Rates^a Males

Figure 1.23



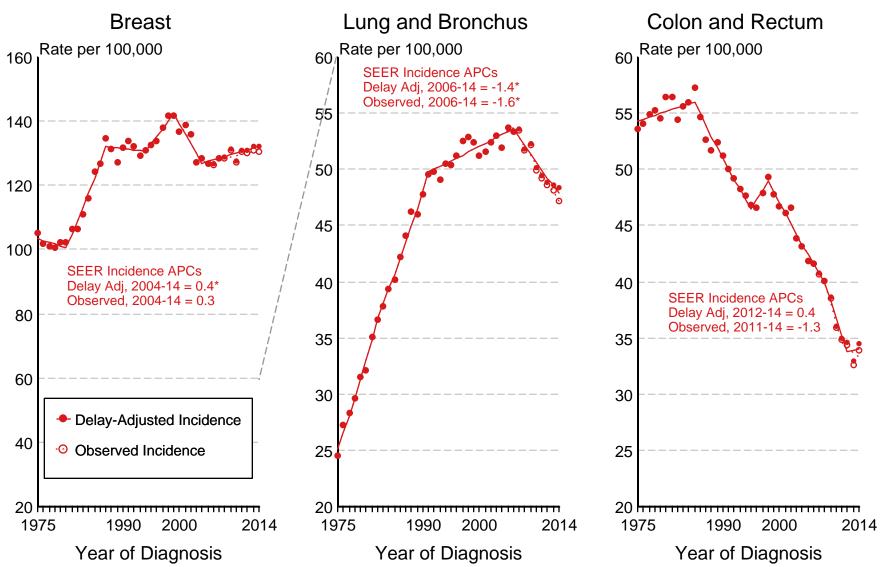
Source: SEER 9 areas.

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

Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.

SEER Observed Incidence and Delay Adjusted Incidence Rates^a Females

Figure 1.24



Source: SEER 9 areas.

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

Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.

Table 2.1 All Cancer Sites (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Both Sexes by Race/Ethnicity

	JP Tre	nd 1	JP Tre	end 2	JP Tre	end 3	JP Tre	end 4	JP Tre	end 5	JP Tre	end 6	AAF	Cd
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14
SEER 9 Delay-Adjus	ted Incider	nce ^a , 197	5-2014											
All Races	1975-89	1.2*	1989-92	2.8	1992-95	-2.4	1995-98	1.1	1998-09	-0.3*	2009-14	-1.4*	-0.9*	-1.4*
White	1975-82	0.8*	1982-92	1.8*	1992-95	-2.1	1995-98	1.3	1998-09	-0.2*	2009-14	-1.3*	-0.8*	-1.3*
Black	1975-84	1.6*	1984-89	0.4	1989-92	4.2*	1992-05	-0.7*	2005-08	0.8	2008-14	-2.1*	-1.2*	-2.1*
<u>SEER 13 Delay-Adju</u>	sted Incide	ence ^b , 19	92-2014											
All Races	1992-94	-3.1*	1994-99	0.4	1999-05	-0.7*	2005-08	0.5	2008-14	-1.6*			-0.9*	-1.6*
White	1992-94	-3.1*	1994-01	0.4	2001-04	-1.2	2004-08	0.4	2008-14	-1.5*			-0.9*	-1.5*
Black	1992-11	-0.6*	2011-14	-3.2*									-1.5*	-2.6*
SEER 9 Observed In	cidence ^a , 1	975-2014	Ł											
All Races	1975-89	1.2*	1989-92	2.8	1992-95	-2.4	1995-98	1.1	1998-09	-0.3*	2009-14	-1.8*	-1.1*	-1.8*
White	1975-82	0.8*	1982-92	1.8*	1992-95	-2.1	1995-98	1.3	1998-09	-0.3*	2009-14	-1.8*	-1.1*	-1.8*
Black	1975-84	1.6*	1984-89	0.5	1989-92	3.9	1992-09	-0.6*	2009-12	-1.7	2012-14	-4.6*	-1.9*	-3.2*
SEER 13 Observed I	ncidence ^b ,	1992-201	.4											
All Races	1992-94	-3.1*	1994-99	0.4	1999-04	-0.7*	2004-09	-0.1	2009-14	-2.1*			-1.2*	-2.1*
White	1992-94	-3.1*	1994-01	0.4*	2001-04	-1.3	2004-08	0.4	2008-14	-1.9*			-1.1*	-1.9*
White NH ^{ef}	1992-94	-3.0*	1994-01	0.5*	2001-04	-1.2	2004-08	0.5	2008-14	-1.8*			-1.0*	-1.8*
Black	1992-10	-0.6*	2010-14	-3.4*									-1.9*	-3.4*
Black NH ^{ef}	1992-10	-0.6*	2010-14	-3.3*									-1.8*	-3.3*
API ^e	1992-10	-0.4*	2010-14	-2.3*									-1.2*	-2.3*
AI/AN ^{eg}	1992-10	0.3	2010-14	-3.1									-1.2	-3.1
Hispanic ^f	1992-09	-0.1	2009-14	-2.0*									-1.2*	-2.0*
U.S. Cancer Mortal	- · ·													
All Races	1975-84	0.5*	1984-91	0.3*	1991-94	-0.5	1994-98	-1.3*	1998-01	-0.8*	2001-14	-1.5*	-1.5*	-1.5*
White	1975-90	0.4*	1990-94	-0.3	1994-98	-1.2*	1998-01	-0.6	2001-14	-1.4*			-1.4*	-1.4*
Black	1975-84	1.3*	1984-92	0.6*	1992-99	-1.3*	1999-14	-2.1*					-2.1*	-2.1*
<u>U.S. Cancer Mortal</u>														
All Races	1992-01	-1.0*	2001-14	-1.5*									-1.5*	-1.5*
White	1992-94	-0.3	1994-98	-1.2*	1998-01	-0.6	2001-14	-1.4*					-1.4*	-1.4*
White NH ^{ef}	1992-94	0.2	1994-98	-1.2*	1998-01	-0.5	2001-14	-1.4*					-1.4*	-1.4*
Black	1992-99	-1.3*	1999-14	-2.1*									-2.1*	-2.1*
Black NH ^{ef}	1992-94	0.0	1994-01	-1.6*	2001-14	-2.0*							-2.0*	-2.0*
API ^e	1992-14	-1.4*											-1.4*	-1.4*
AI/AN ^{eg}	1992-04	0.4	2004-14	-1.1*									-1.1*	-1.1*
Hispanic ^f	1992-99	0.0	1999-14	-1.3*									-1.3*	-1.3*

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
- API Asian/Pacific Islander, AI/AN American Indian/Alaska Native, NH Non-Hispanic
- Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.
- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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Table 2.2 All Cancer Sites (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four 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	AAF	^v C ^d
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14
SEER 9 Delay-Adjus	sted Incider	nce ^a , 197	75-2014											
All Races	1975-89	1.3*	1989-92	5.2*	1992-95	-4.8*	1995-00	0.4	2000-09	-0.7*	2009-14	-2.7*	-1.8*	-2.7*
White	1975-89	1.4*	1989-92	5.0*	1992-95	-5.2*	1995-99	0.8	1999-08	-0.4*	2008-14	-2.4*	-1.7*	-2.4*
Black	1975-81	2.8*	1981-89	0.6	1989-92	6.8*	1992-05	-1.5*	2005-08	0.8	2008-14	-3.7*	-2.2*	-3.7*
<u>SEER 13 Delay-Adju</u>	usted Incide	ence ^b , 19	92-2014											
All Races	1992-94	-5.7*	1994-09	-0.5*	2009-14	-3.1*							-2.0*	-3.1*
White	1992-94	-6.3*	1994-08	-0.3*	2008-14	-2.7*							-1.9*	-2.7*
Black	1992-10	-1.3*	2010-14	-4.3*									-2.7*	-4.3*
SEER 9 Observed In	ncidenceª, 1	.975-2014	Ł											
All Races	1975-89	1.3*	1989-92	5.2*	1992-95	-4.8*	1995-00	0.4	2000-09	-0.7*	2009-14	-3.1*	-2.1*	-3.1*
White	1975-89	1.4*	1989-92	5.0*	1992-95	-5.1*	1995-00	0.7	2000-09	-0.7*	2009-14	-3.1*	-2.0*	-3.1*
Black	1975-81	2.9*	1981-89	0.6	1989-92	7.5*	1992-96	-2.6*	1996-09	-1.1*	2009-14	-4.3*	-2.9*	-4.3*
SEER 13 Observed 3	Incidence ^b ,	1992-201	4											
All Races	1992-94	-5.7*	1994-09	-0.5*	2009-14	-3.5*							-2.2*	-3.5*
White	1992-94	-6.2*	1994-08	-0.3*	2008-14	-3.0*							-2.1*	-3.0*
White NH ^{ef}	1992-94	-6.3*	1994-08	-0.2*	2008-14	-2.9*							-2.0*	-2.9*
Black	1992-09	-1.3*	2009-14	-4.4*									-3.1*	-4.4*
Black NH ^{ef}	1992-09	-1.3*	2009-14	-4.3*									-3.0*	-4.3*
API ^e	1992-95	-2.7	1995-07	-0.5*	2007-14	-3.0*							-2.5*	-3.0*
AI/AN ^{eg}	1992-14	-0.6*											-0.6*	-0.6*
Hispanic ^f	1992-09	-0.5*	2009-14	-4.0*									-2.5*	-4.0*
U.S. Cancer Mortal	lity ^c , 1975-	2014												
All Races	1975-79	1.0*	1979-90	0.3*	1990-93	-0.5	1993-01	-1.5*	2001-14	-1.8*			-1.8*	-1.8*
White	1975-79	0.9*	1979-91	0.2*	1991-94	-0.8	1994-97	-1.8*	1997-00	-1.0*	2000-14	-1.7*	-1.7*	-1.7*
Black	1975-82	1.8*	1982-90	1.0*	1990-93	-0.2	1993-01	-2.0*	2001-14	-2.7*			-2.7*	-2.7*
U.S. Cancer Mortal	lity ^c , 1992-	2014												
All Races	1992-01	-1.4*	2001-14	-1.8*									-1.8*	-1.8*
White	1992-01	-1.3*	2001-14	-1.7*									-1.7*	-1.7*
White NH ^{ef}	1992-94	-0.2	1994-97	-1.8*	1997-00	-0.9	2000-14	-1.6*					-1.6*	-1.6*
Black	1992-94	-0.5	1994-01	-2.1*	2001-14	-2.7*							-2.7*	-2.7*
Black NH ^{ef}	1992-94	-0.1	1994-02	-2.1*	2002-14	-2.6*							-2.6*	-2.6*
API ^e	1992-14	-1.7*											-1.7*	-1.7*
AI/AN ^{eg}	1992-14	-0.3*											-0.3*	-0.3*
Hispanic ^f	1992-98	0.0	1998-14	-1.6*									-1.6*	-1.6*

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (https://surveillance.cancer.gov/joinpoint/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

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

- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry). Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.

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

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

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

- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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Table 2.3 All Cancer Sites (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four 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	AAF	Cd
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14
SEER 9 Delay-Adjus	ted Incidenc	re ^a . 197	5-2014											
All Races		-0.3	1979-87	1.6*	1987-95	0.1	1995-98	1.5	1998-03	-0.6	2003-14	0.1	0.1	0.1
White		-0.2	1979-87	1.7*	1987-95	0.1	1995-98	1.7	1998-03	-0.5	2003-14	0.1	0.1	0.1
Black	1975-91	1.1*	1991-14	0.1									0.1	0.1
SEER 13 Delay-Adju	sted Inciden	nce ^b , 19	92-2014											
All Races	1992-98	0.8*	1998-03	-0.6	2003-14	0.0							0.0	0.0
White	1992-94	-0.3	1994-98	1.4*	1998-03	-0.7	2003-14	0.0					0.0	0.0
Black	1992-14	0.1											0.1	0.1
SEER 9 Observed In	cidence ^a . 19	75-2014												
All Races		-0.3	1979-87	1.6*	1987-95	0.1	1995-98	1.2	1998-14	-0.2*			-0.2*	-0.2*
White	1975-79	-0.2	1979-87	1.7*	1987-95	0.1	1995-98	1.4	1998-14	-0.2*			-0.2*	-0.2*
Black	1975-91	1.1*	1991-12	0.1	2012-14	-3.6							-0.7	-1.8
SEER 13 Observed I	ncidence ^b . 1	992-201	4											
All Races	,	-0.3		1.2*	1998-04	-0.7*	2004-09	0.3	2009-14	-0.8*			-0.3	-0.8*
White		-0.3	1994-98	1.4*	1998-04	-0.7*	2004-08	0.4	2008-14	-0.6*			-0.3	-0.6*
White NH ^{ef}	1992-94	0.0	1994-98	1.6*	1998-04	-0.6*	2004-08	0.5	2008-14	-0.6*			-0.2	-0.6*
Black	1992-11	0.1	2011-14	-2.3*									-0.7*	-1.7*
Black NH ^{ef}	1992-11	0.1	2011-14	-2.2*									-0.7*	-1.6*
API ^e	1992-14	0.1											0.1	0.1
AI/AN ^{eg}	1992-14	0.4*											0.4*	0.4*
Hispanic ^f	1992-14	0.1*											0.1*	0.1*
U.S. Cancer Mortal	ity ^c , 1975-2	2014												
All Races	1975-90	0.6*	1990-94	-0.2	1994-02	-0.8*	2002-14	-1.4*					-1.4*	-1.4*
White	1975-90	0.6*	1990-95	-0.2	1995-98	-1.2*	1998-01	-0.2	2001-14	-1.3*			-1.3*	-1.3*
Black	1975-91	1.0*	1991-99	-0.6*	1999-14	-1.6*							-1.6*	-1.6*
U.S. Cancer Mortal	ity ^c , 1992-2	2014												
All Races		-0.2	1994-02	-0.8*	2002-14	-1.4*							-1.4*	-1.4*
White	1992-95	-0.2	1995-98	-1.2*	1998-01	-0.2	2001-14	-1.3*					-1.3*	-1.3*
White NH ^{ef}	1992-94	0.6	1994-98	-1.0*	1998-01	-0.2	2001-14	-1.3*					-1.3*	-1.3*
Black	1992-99	-0.6*	1999-14	-1.6*									-1.6*	-1.6*
Black NH ^{ef}	1992-99	-0.5*	1999-14	-1.5*									-1.5*	-1.5*
API ^e	1992-14	-1.0*											-1.0*	-1.0*
AI/AN ^{eg}	1992-04	0.7	2004-14	-1.5*									-1.5*	-1.5*
Hispanic ^f	1992-99	0.1	1999-14	-1.0*									-1.0*	-1.0*

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

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

- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry). Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- Treads are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Preve

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 New Hampshire and Oklahoma.

- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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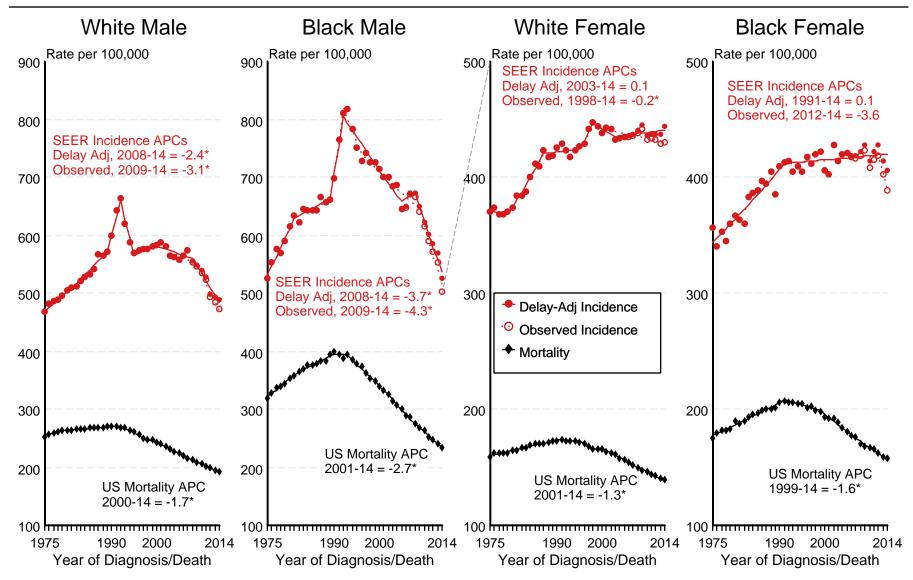
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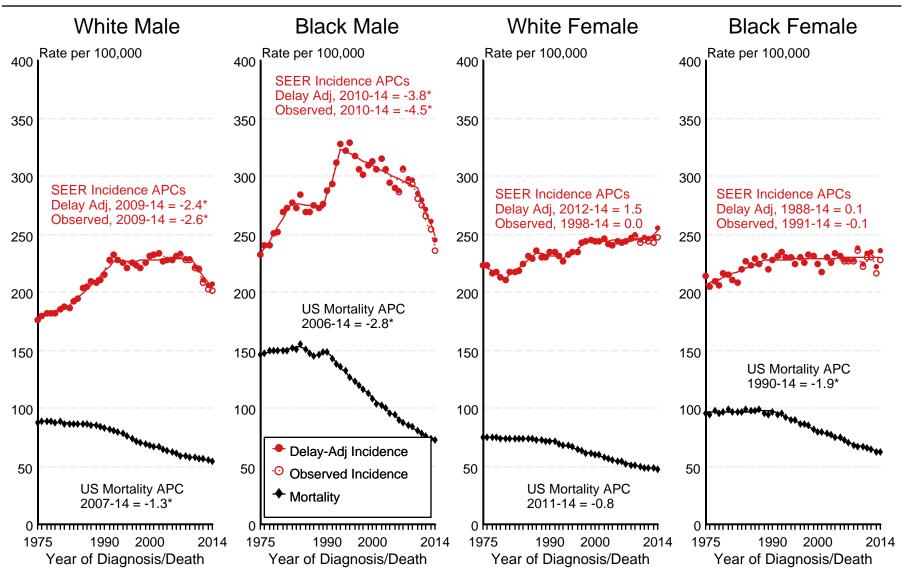
SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates^a All Cancer Sites, by Race and Sex



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

^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute.
The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.

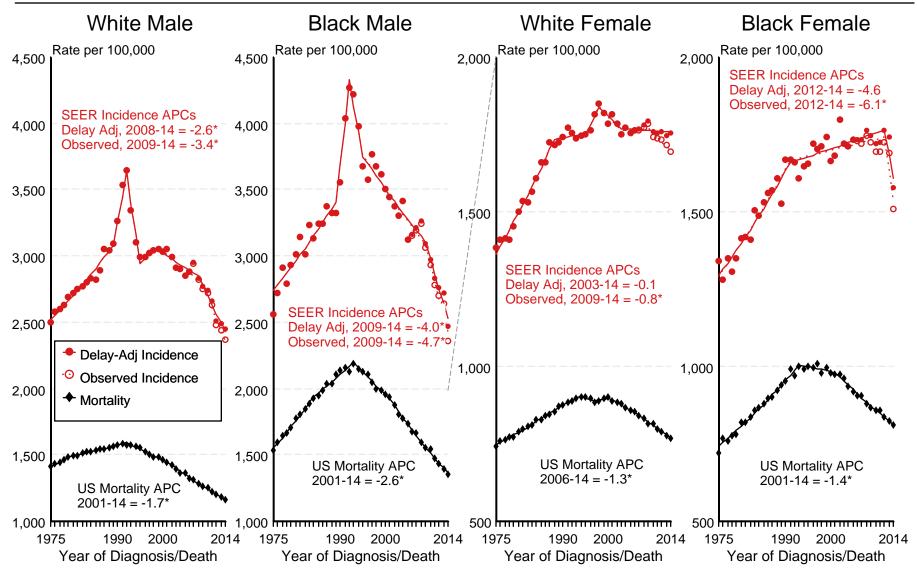
SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates^a All Cancer Sites, Under 65 Years of Age, by Race and Sex



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

^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute.
The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.

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



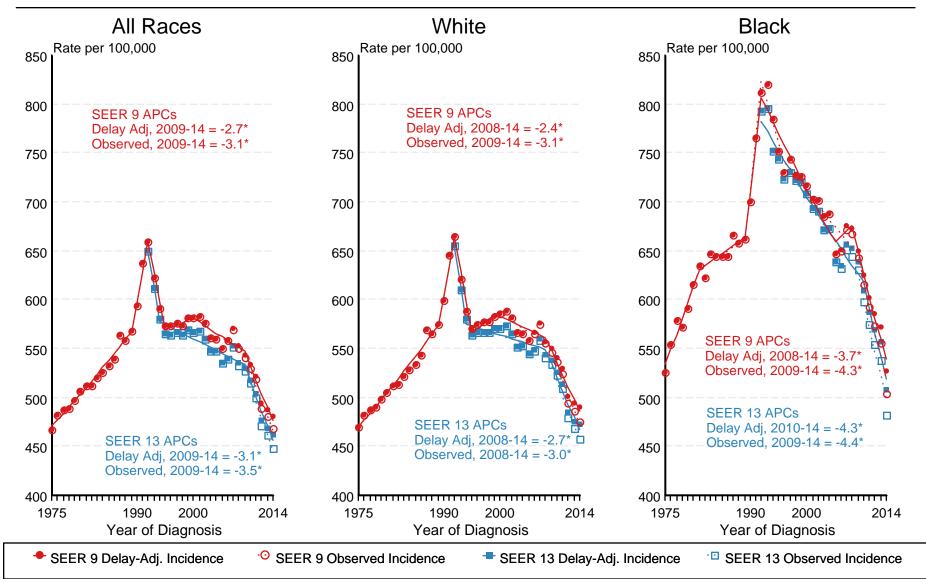
Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).

^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4. January 2017, National Cancer Institute. The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend. The APC is significantly different from zero (p < 0.05).

National Cancer Institute

Figure 2.5

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

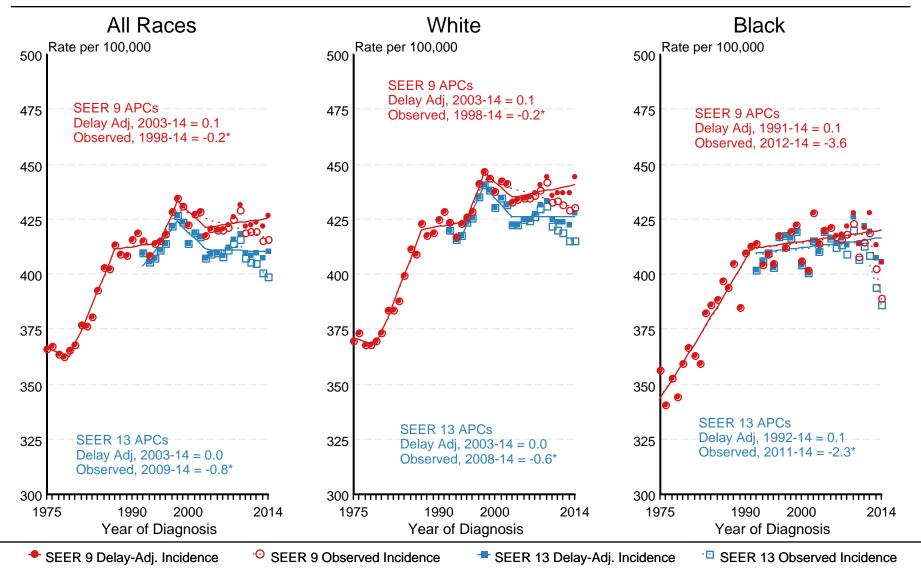


Source: SEER 9 areas and SEER 13 areas.

^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute.
The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.

Figure 2.6

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



Source: SEER 9 areas and SEER 13 areas.

^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4. January 2017, National Cancer Institute.

The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.

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

National Cancer Institute

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

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Both Sexes by Race/Ethnicity

	JP Tre	nd 1	JP Tre	end 2	JP Tre	nd 3	JP Tre	end 4	JP Tre	nd 5	JP Tr	end 6	AAF	Cd
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14
SEER 9 Delay-Adjus	ted Incider	uce ^a 197	25-2014											
All Races	1975-87	1.5*	1987-14	-0.2*									-0.2*	-0.2*
White	1975-87	1.6*	1987-14	0.0									0.0	0.0
Black	1975-14	0.2											0.2	0.2
SEER 13 Delay-Adju	sted Incide	nce ^b 10	92-2014											
All Races	1992-14	-0.2*	<u> </u>										-0.2*	-0.2*
White	1992-14	-0.1											-0.1	-0.1
Black	1992-14	0.1											0.1	0.1
<u>SEER 9 Observed In</u> All Races	<u>cidence", 1</u> 1975-87	<u>975-2014</u> 1.5*	1987-14	-0.2*									-0.2*	-0.2*
White	1975-87	1.5* 1.6*	1987-14	-0.2*									-0.2*	-0.2*
Black	1975-87	0.1	1987-14	-0.1									-0.1	-0.1
													0.1	0.1
<u>SEER 13 Observed I</u>	,		.4											
All Races	1992-14	-0.3*											-0.3*	-0.3*
White	1992-14	-0.1											-0.1	-0.1
White NH ^{ef}	1992-14	0.1											0.1	0.1
Black	1992-14	-0.1											-0.1	-0.1
Black NH ^{ef}	1992-14	0.0											0.0	0.0
API ^e	1992-14	-0.2											-0.2	-0.2
AI/AN ^{eg}	1992-07	5.0*	2007-14	-9.8*									-6.7	-9.8*
Hispanic ^f	1992-02	1.2	2002-14	-1.6*									-1.6*	-1.6*
U.S. Cancer Mortal	ity ^c , 1975-	2014												
All Races	1975-77	3.7	1977-81	-0.7	1981-91	1.3*	1991-07	-1.0*	2007-14	0.6*			0.2	0.6*
White	1975-92	1.0*	1992-07	-0.8*	2007-14	0.7*							0.3	0.7*
Black	1975-91	0.9*	1991-11	-0.9*	2011-14	4.3							0.9	3.0
U.S. Cancer Mortal	ity ^c 1992-	2014												
All Races	1992-07	-1.0*	2007-14	0.6*									0.2	0.6*
White	1992-07	-0.8*	2007-14	0.7*									0.3	0.7*
White NH ^{ef}	1992-07	-0.7*	2007-14	0.8*									0.5*	0.8*
Black	1992-11	-0.8*	2011-14	4.3									0.9	3.0
Black NH ^{ef}	1992-07	-1.1*	2007-14	1.5									0.9	1.5
API ^e	1992-14	0.3											0.3	0.3
AI/AN ^{eg}	1992-14	1.2*											1.2*	1.2*
Hispanic ^f	1992-14	0.1											0.1	0.1
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Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
- API Asian/Pacific Islander, AI/AN American Indian/Alaska Native, NH Non-Hispanic
- Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.
- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Males by Race/Ethnicity

	JP Trend	1	JP Tre	nd 2	JP Tre	nd 3	JP Tre	end 4	JP Tre	nd 5	JP Tre	end 6	AAP	Cd
			Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14
SEER 9 Delay-Adjus	ted Incidence	^a . 1975-2	2014											
All Races			989-14	-0.3*									-0.3*	-0.3*
White			989-14	-0.2									-0.2	-0.2
Black	1975-14 -0	0.1											-0.1	-0.1
SEER 13 Delay-Adju	sted Incidence	e ^b , 1992-	-2014											
All Races		0.3*											-0.3*	-0.3*
White		0.2											-0.2	-0.2
Black	1992-14 (0.2											0.2	0.2
SEER 9 Observed In	cidence ^a . 1975	5-2014												
All Races			989-14	-0.4*									-0.4*	-0.4*
White	1975-91 1	1.1* 19	991-14	-0.3*									-0.3*	-0.3*
Black	1975-14 -0	0.1											-0.1	-0.1
SEER 13 Observed I	ncidence ^b , 199	92-2014												
All Races	,	0.4*											-0.4*	-0.4*
White	1992-14 -0	0.2*											-0.2*	-0.2*
White NH ^{ef}	1992-14 -0	0.1											-0.1	-0.1
Black	1992-14 (0.1											0.1	0.1
Black NH ^{ef}		0.1											0.1	0.1
API ^e		0.1											-0.1	-0.1
AI/AN ^{eg}		0.5											-0.5	-0.5
Hispanic ^f	1992-14 -0	0.3											-0.3	-0.3
U.S. Cancer Mortal	ity ^c , 1975-201	14												
All Races			977-82	-0.4	1982-91	1.3*	1991-07	-1.0*	2007-14	0.6*			0.2	0.6*
White			977-81	-0.7	1981-91	1.3*	1991-07	-0.8*	2007-14	0.7*			0.3	0.7*
Black	1975-89 (0.6 19	989-14	-0.5*									-0.5*	-0.5*
U.S. Cancer Mortal	ity ^c , 1992-201	14												
All Races	1992-07 -0	0.9* 20	007-14	0.6*									0.2	0.6*
White			007-14	0.6*									0.3	0.6*
White NH ^{ef}			007-14	0.8*									0.5*	0.8*
Black		0.4*											-0.4*	-0.4*
Black NH ^{ef}			010-14	3.2									1.0	3.2
API ^e		0.4											0.4	0.4
AI/AN ^{eg}		1.2											1.2	1.2
Hispanic ^f	1992-14 (0.0											0.0	0.0

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
- API Asian/Pacific Islander, AI/AN American Indian/Alaska Native, NH Non-Hispanic
- Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.
- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Females by Race/Ethnicity

	JP Tre	nd 1	JP Tre	and 2	JP Tre	nd 3	JP Tre	end 4	JP Tre	and 5	JP Tre	end 6	AAF	Cd
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC		2010-14
SEER 9 Delay-Adjus	ted Incider	nce ^a 195	75-2014											
All Races	1975-87	1.6*	1987-14	-0.1									-0.1	-0.1
White	1975-87	1.7*	1987-14	0.0									0.0	0.0
Black	1975-14	0.5											0.5	0.5
SEER 13 Delay-Adju	sted Incide	ence ^b 10	992-2014											
All Races	1992-14	-0.2	<u> </u>										-0.2	-0.2
White	1992-14	0.0											0.0	0.0
Black	1992-14	-0.1											-0.1	-0.1
<u>SEER 9 Observed In</u> All Races	<u>1975-87</u>	1.6*	± 1987-14	-0.2									-0.2	-0.2
White	1975-87	1.8*	1987-14	0.0									0.0	0.0
Black	1975-14	0.4	1907 14	0.0									0.0	0.4
													011	0.11
SEER 13 Observed I			<u>14</u>										0.0+	0.0*
All Races White	1992-14 1992-14	-0.2* -0.1											-0.2* -0.1	-0.2* -0.1
White NH ^{ef}	1992-14 1992-14	-0.1											-0.1 0.2	-0.1 0.2
Black	1992-14 1992-14	-0.3											-0.3	-0.3
Black NH ^{ef}	1992-14	-0.3											-0.2	-0.2
API ^e	1992-14	-0.2											-0.2	-0.2
AI/AN ^{eg}	- 1772	-											-	-
Hispanic ^f	1992-14	-0.8*											-0.8*	-0.8*
-														
<u>U.S. Cancer Mortal</u> All Races	<u>111y°, 1975-</u> 1975-92	1.0*	1992-06	-1.1*	2006-14	0.4							0.2	0.4
White	1975-92	1.0*	1992-06	-1.1* -1.0*	2006-14	0.4							0.2	0.4
Black	1975-92	1.3*	1992-00	-0.6*	2000-14	0.4							-0.6*	-0.6*
			1990 11	0.0									0.0	0.0
U.S. Cancer Mortal			0006 14											
All Races	1992-06	-1.1*	2006-14	0.4									0.2	0.4
White White NH ^{ef}	1992-06 1992-07	-1.0* -0.8*	2006-14 2007-14	0.4 0.7									0.3 0.4	0.4 0.7
Black	1992-07	-0.8* -0.5*	2007-14	0.7									-0.5*	-0.5*
Black NH ^{ef}	1992-14	-0.5*											-0.5*	-0.5*
API ^e	1992-14	-0.3"											0.2	0.2
AI/AN ^{eg}	1992-14	1.4											1.4	1.4
Hispanic ^f	1992-14	0.1											0.1	0.1
	1770 11	··-											··-	··-

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Montery, Rural Georgia, and the Alaska Native Registry).
- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
- API Asian/Pacific Islander, AI/AN American Indian/Alaska Native, NH Non-Hispanic
- Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.
- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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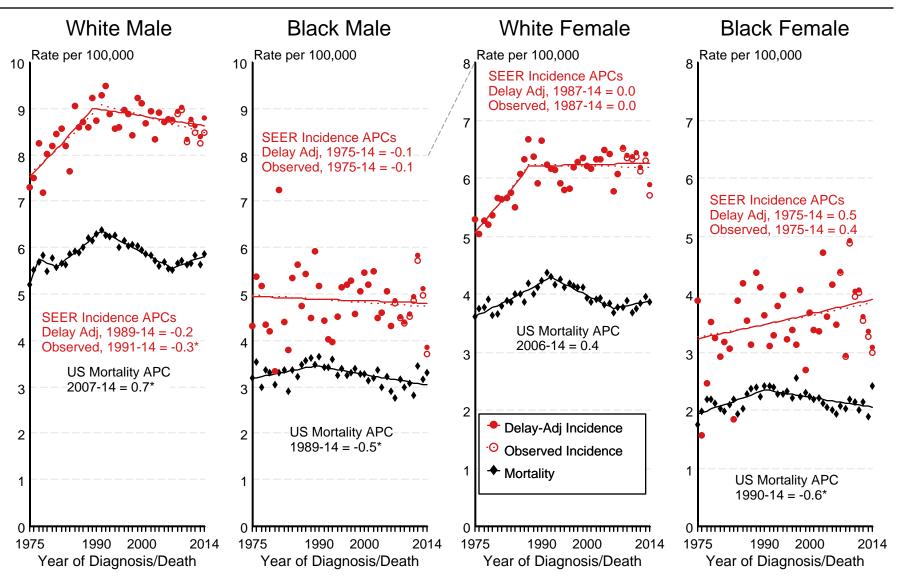
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Figure 3.1

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



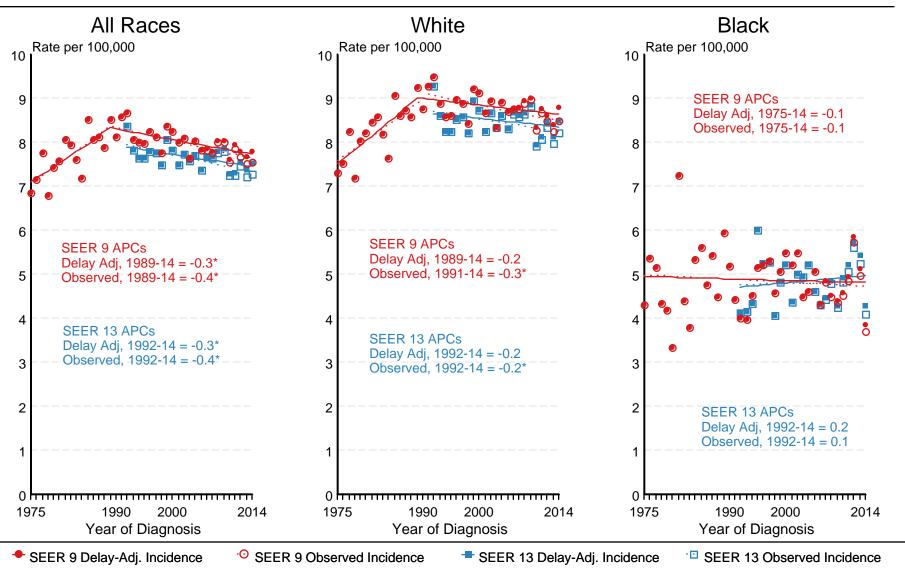
Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).

 ^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, 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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Figure 3.3

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

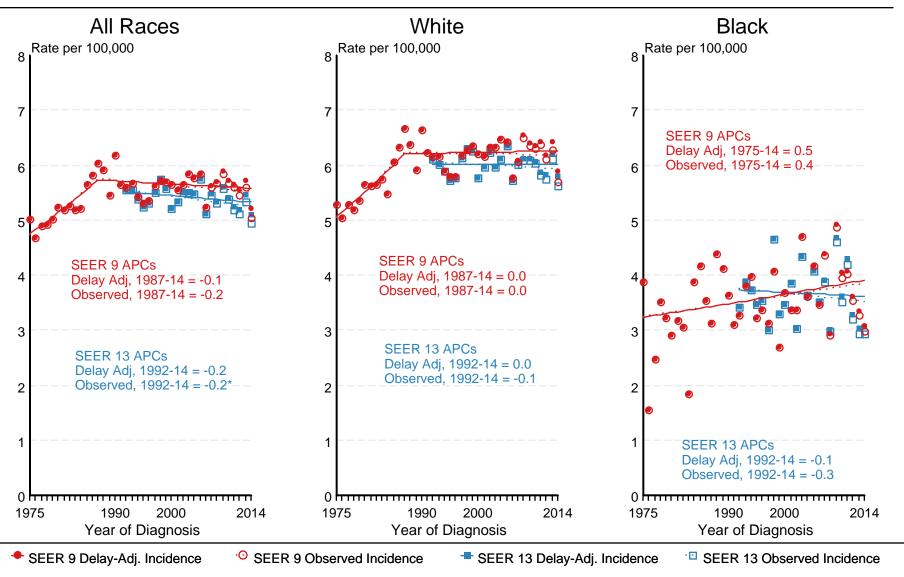


Source: SEER 9 areas and SEER 13 areas.

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

Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, 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 3.4

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



Source: SEER 9 areas and SEER 13 areas.

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

Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4. January 2017, National Cancer Institute. The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.

Table 4.1 Cancer of the Female Breast (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, All Ages by Race/Ethnicity

	JP Tre	nd 1	JP Tre	and 2	JP Tre	and 3	JP Tre	and 4	JP Tre	and 5	JP Tre	and 6	AAF	Cd
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC		2010-14
SEER 9 Delay-Adjust	ted Incide	nce ^a . 197	75-2014											
All Races	1975-80	-0.5	1980-87	4.0*	1987-94	-0.2	1994-99	1.8*	1999-04	-2.3*	2004-14	0.4*	0.4*	0.4*
White	1975-80	-0.5	1980-87	4.1*	1987-94	-0.2	1994-99	2.0*	1999-04	-2.4*	2004-14	0.2	0.2	0.2
Black	1975-91	2.2*	1991-14	0.3*									0.3*	0.3*
SEER 13 Delay-Adjus	sted Incide	ence ^b , 19	992-2014											
All Races	1992-99	1.3*	1999-04	-2.2*	2004-14	0.3							0.3	0.3
White	1992-99	1.5*	1999-04	-2.4*	2004-14	0.1							0.1	0.1
Black	1992-14	0.3*											0.3*	0.3*
SEER 9 Observed Ind	cidence ^a , 1	975-2014	<u>1</u>											
All Races	1975-80	-0.5	1980-87	4.0*	1987-94	-0.2	1994-99	1.8*	1999-04	-2.3*	2004-14	0.3	0.3	0.3
White	1975-80	-0.5	1980-87	4.1*	1987-94	-0.2	1994-99	2.0*	1999-04	-2.4*	2004-14	0.1	0.1	0.1
Black	1975-91	2.3*	1991-14	0.3*									0.3*	0.3*
SEER 13 Observed In	ncidence ^b ,	1992-201	L <u>4</u>											
All Races	1992-99	1.3*	1999-04	-2.2*	2004-14	0.2							0.2	0.2
White	1992-99	1.5*	1999-04	-2.3*	2004-14	0.0							0.0	0.0
White NH ^{ef}	1992-99	1.7*	1999-04	-2.3*	2004-14	0.1							0.1	0.1
Black	1992-14	0.2*											0.2*	0.2*
Black NH ^{ef}	1992-14	0.3*											0.3*	0.3*
API ^e	1992-94	-4.6	1994-97	6.9	1997-05	-0.7	2005-14	1.2*					1.2*	1.2*
AI/AN ^{eg}	1992-14	0.1											0.1	0.1
Hispanic ^f	1992-14	0.2											0.2	0.2
U.S. Cancer Mortal:	ity ^c , 1975-	2014												
All Races	1975-90	0.4*	1990-95	-1.8*	1995-98	-3.3*	1998-14	-1.8*					-1.8*	-1.8*
White	1975-90	0.3*	1990-95	-2.0*	1995-98	-3.6*	1998-14	-1.9*					-1.9*	-1.9*
Black	1975-93	1.4*	1993-14	-1.5*									-1.5*	-1.5*
U.S. Cancer Mortal:		2014												
All Races	1992-95	-1.2*	1995-98	-3.6*	1998-03	-1.6*	2003-07	-2.3*	2007-14	-1.6*			-1.8*	-1.6*
White	1992-95	-1.5*	1995-98	-3.7*	1998-14	-1.9*							-1.9*	-1.9*
White NH ^{ef}	1992-95	-1.2*	1995-98	-3.7*	1998-14	-1.8*							-1.8*	-1.8*
Black	1992-95	0.4	1995-14	-1.5*									-1.5*	-1.5*
Black NH ^{ef}	1992-95	0.5	1995-14	-1.5*									-1.5*	-1.5*
API ^e	1992-14	-0.9*											-0.9*	-0.9*
AI/AN ^{eg}	1992-05	0.6	2005-14	-3.1*									-3.1*	-3.1*
Hispanic ^f	1992-96	1.4	1996-99	-4.0	1999-11	-1.5*	2011-14	1.1					-0.6	0.5

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
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- 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 New Hampshire and Oklahoma.
- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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Table 4.2 Cancer of the Female Breast (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Ages <50 by Race/Ethnicity

	JP Trend 1	JP Tre	nd 2	JP Tre	end 3	JP Tre	end 4	JP Tre	end 5	JP Tre	end 6	AAF	Cd
	Years APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14
SEER 9 Delay-Adjus	sted Incidence ^a . 1	975-2014											
All Races	1975-80 -1.3	1980-87	2.7*	1987-94	-0.8	1994-14	0.3*					0.3*	0.3*
White	1975-80 -1.1	1980-87	2.7*	1987-94	-0.8	1994-14	0.3*					0.3*	0.3*
Black	1975-91 1.2*	1991-14	-0.2									-0.2	-0.2
<u>SEER 13 Delay-Adju</u>	usted Incidence ^b .	1992-2014											
All Races	1992-14 0.2*											0.2*	0.2*
White	1992-14 0.2*											0.2*	0.2*
Black	1992-02 -1.3*	2002-05	3.8	2005-14	-0.6							-0.6	-0.6
SEER 9 Observed In	ncidence ^a , 1975-20	14											
All Races	1975-80 -1.3	1980-87	2.7*	1987-94	-0.8	1994-14	0.2*					0.2*	0.2*
White	1975-80 -1.1	1980-87	2.6*	1987-94	-0.8	1994-14	0.2*					0.2*	0.2*
Black	1975-91 1.3*	1991-14	-0.2									-0.2	-0.2
SEER 13 Observed I	Incidence ^b , 1992-2	014											
All Races	1992-14 0.2*											0.2*	0.2*
White	1992-14 0.1*											0.1*	0.1*
White NH ^{ef}	1992-14 0.4*											0.4*	0.4*
Black	1992-02 -1.3*	2002-05	3.8	2005-14	-0.9*							-0.9*	-0.9*
Black NH ^{ef}	1992-02 -1.4*	2002-05	4.3	2005-14	-0.7							-0.7	-0.7
API ^e	1992-14 0.9*											0.9*	0.9*
AI/AN ^{eg}	1992-14 -0.2											-0.2	-0.2
Hispanic ^f	1992-14 0.1											0.1	0.1
U.S. Cancer Morta	lity ^c , 1975-2014												
All Races	1975-90 -0.4*		-3.2*	2007-14	-1.3*							-1.7*	-1.3*
White	1975-90 -0.6*		-3.7*	2004-14	-1.7*							-1.7*	-1.7*
Black	1975-87 1.8*	1987-95	-1.2*	1995-14	-2.4*							-2.4*	-2.4*
U.S. Cancer Mortal	lity ^c , 1992-2014												
All Races	1992-07 -3.1*	2007-14	-1.4*									-1.8*	-1.4*
White	1992-04 -3.7*		-1.7*									-1.7*	-1.7*
White NH ^{ef}	1992-00 -4.1*		-2.2*									-2.2*	-2.2*
Black	1992-14 -2.3*											-2.3*	-2.3*
Black NH ^{ef}	1992-96 -0.4	1996-99	-4.3	1999-05	-1.2	2005-08	-4.1	2008-14	-1.5*			-2.4*	-1.5*
API ^e	1992-01 -0.8	2001-08	-5.2*	2008-14	1.4							-0.9	1.4
AI/AN ^{eg}	1992-14 -2.2*		0.1									-2.2*	-2.2*
Hispanic ^f	1992-10 -2.9*	2010-14	2.1									-0.7	2.1

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
- API Asian/Pacific Islander, AI/AN American Indian/Alaska Native, NH Non-Hispanic
- Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.
- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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Table 4.3 Cancer of the Female Breast (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Ages 50+ 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	nd 6	AAP	Cq
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14
SEER 9 Delay-Adjus	sted Incider	nce ^a , 197	5-2014											
All Races	1975-82	0.9	1982-87	5.3*	1987-93	-0.3	1993-99	1.9*	1999-05	-2.6*	2005-14	0.6*	0.6*	0.6*
White	1975-82	0.9*	1982-87	5.5*	1987-93	-0.3	1993-00	1.7*	2000-04	-3.9*	2004-14	0.3	0.3	0.3
Black	1975-88	3.2*	1988-14	0.6*									0.6*	0.6*
SEER 13 Delay-Adju	usted Incide	ence ^b , 19	92-2014											
All Races	1992-99	1.7*	1999-04	-2.9*	2004-14	0.2							0.2	0.2
White	1992-00	1.4*	2000-04	-3.7*	2004-14	0.1							0.1	0.1
Black	1992-14	0.5*											0.5*	0.5*
<u>SEER 9 Observed Ir</u>	ncidence ^a , 1	975-2014	L											
All Races	1975-82	0.9	1982-87	5.3*	1987-93	-0.3	1993-99	1.9*	1999-05	-2.5*	2005-14	0.5*	0.5*	0.5*
White	1975-82	0.9*	1982-87	5.5*	1987-93	-0.3	1993-00	1.7*	2000-04	-3.8*	2004-14	0.2	0.2	0.2
Black	1975-92	2.6*	1992-14	0.4*									0.4*	0.4*
SEER 13 Observed I	Incidence ^b ,	1992-201	.4											
All Races	1992-99	1.7*	1999-04	-2.8*	2004-14	0.1							0.1	0.1
White	1992-99	1.8*	1999-04	-2.9*	2004-14	-0.1							-0.1	-0.1
White NH ^{ef}	1992-01	1.3*	2001-04	-5.0*	2004-14	0.2							0.2	0.2
Black	1992-14	0.4*											0.4*	0.4*
Black NH ^{ef}	1992-14	0.4*											0.4*	0.4*
API ^e	1992-99	3.0*	1999-03	-2.5	2003-14	1.1*							1.1*	1.1*
AI/AN ^{eg}	1992-14	0.2											0.2	0.2
Hispanic ^f	1992-14	0.2											0.2	0.2
U.S. Cancer Mortal	lity ^c , 1975-	2014												
All Races	1975-90	0.5*	1990-95	-1.6*	1995-98	-3.0*	1998-14	-1.8*					-1.8*	-1.8*
White	1975-89	0.5*	1989-95	-1.4*	1995-98	-3.3*	1998-14	-1.8*					-1.8*	-1.8*
Black	1975-93	1.6*	1993-14	-1.3*									-1.3*	-1.3*
U.S. Cancer Mortal	lity ^c , 1992-	2014												
All Races	1992-95	-1.2*	1995-98	-3.1*	1998-14	-1.8*							-1.8*	-1.8*
White	1992-94	-0.6	1994-97	-3.4*	1997-14	-1.8*							-1.8*	-1.8*
White NH ^{ef}	1992-94	-0.1	1994-97	-3.3*	1997-14	-1.8*							-1.8*	-1.8*
Black	1992-95	0.8	1995-14	-1.3*									-1.3*	-1.3*
Black NH ^{ef}	1992-94	2.4	1994-14	-1.2*									-1.2*	-1.2*
API ^e	1992-14	-0.6*											-0.6*	-0.6*
AI/AN ^{eg}	1992-05	1.2	2005-14	-3.3*									-3.3*	-3.3*
Hispanic ^f	1992-96	1.7	1996-00	-3.4	2000-14	-0.9*							-0.9*	-0.9*

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.

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

- Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.
- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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Table 4.4 Cancer of the Female Breast (In Situ)

Trends in SEER Incidence^{ab} Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, All Ages by Race/Ethnicity

	JP Tre	end 1	JP Tre	end 2	JP Tre	end 3	JP Tre	end 4	JP Tre	end 5	JP Tr	end 6	AAE	PC ^d
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14
SEER 9 Observed	Incidence ^a 1	975-2014	L											
All Races	1975-81	-3.0	1981-87	24.9*	1987-95	4.2*	1995-98	11.8	1998-14	0.5*			0.5*	0.5*
White	1975-81	-2.9	1981-87	25.4*	1987-95	3.9*	1995-98	11.1	1998-09	0.9*	2009-14	-1.6	-0.5	-1.6
Black	1975-83	6.1	1983-87	23.8*	1987-98	8.2*	1998-14	1.5*					1.5*	1.5*
SEER 13 Observed	l Incidence ^b	1992-201	4											
All Races	1992-99	7.3*	1999-14	0.4									0.4	0.4
White	1992-94	-0.3	1994-98	10.2*	1998-09	0.7*	2009-14	-1.5					-0.5	-1.5
White NH ^{ef}	1992-94	0.7	1994-99	9.2*	1999-05	-0.8	2005-08	3.6	2008-14	-1.9*			-0.1	-1.9*
Black	1992-98	9.1*	1998-14	1.6*									1.6*	1.6*
Black NH ^{ef}	1992-98	9.0*	1998-14	1.7*									1.7*	1.7*
API ^e	1992-01	7.6*	2001-14	1.3*									1.3*	1.3*
AI/AN ^{eg}	1992-14	1.7*											1.7*	1.7*
Hispanic ^f	1992-98	8.5*	1998-14	1.6*									1.6*	1.6*

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta). Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry). Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.

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

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

- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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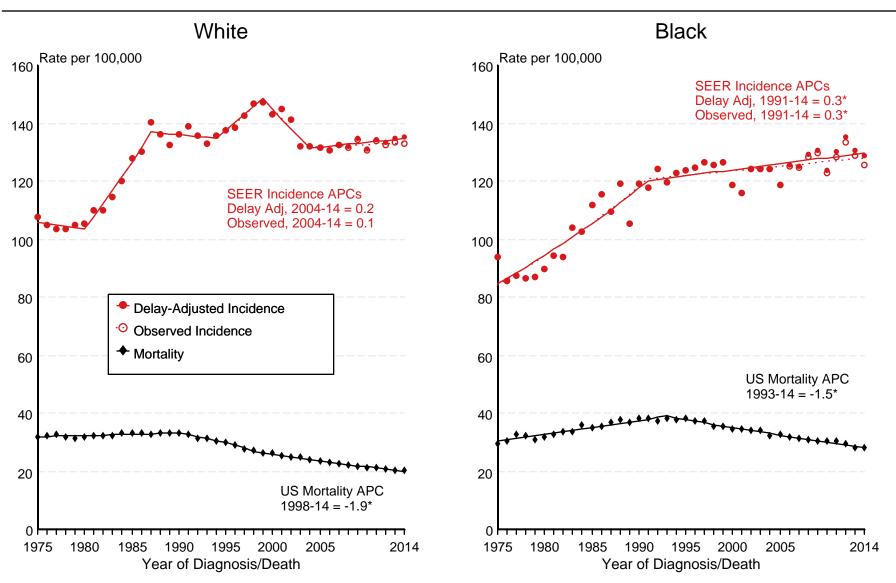
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SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates^a Cancer of the Female Breast, by Race

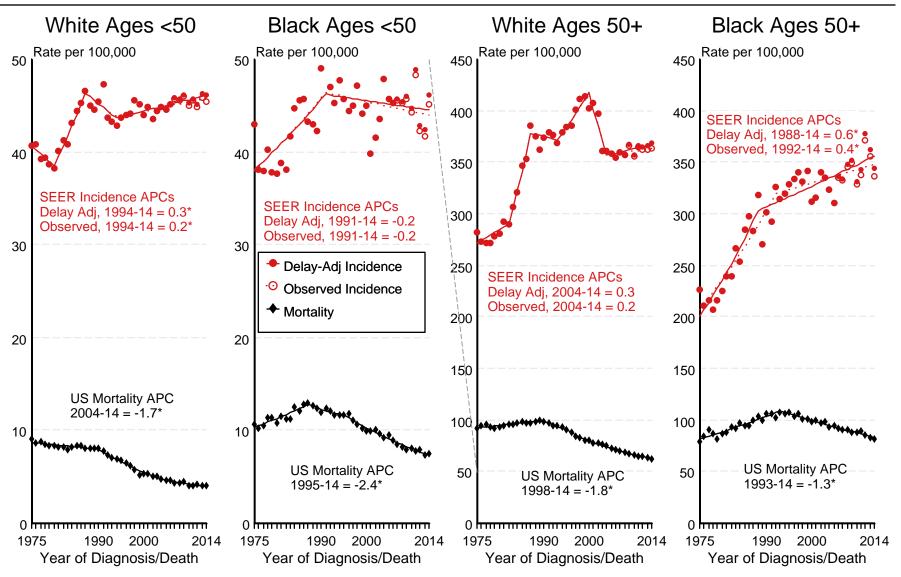


Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).

^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend. *

National Cancer Institute

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



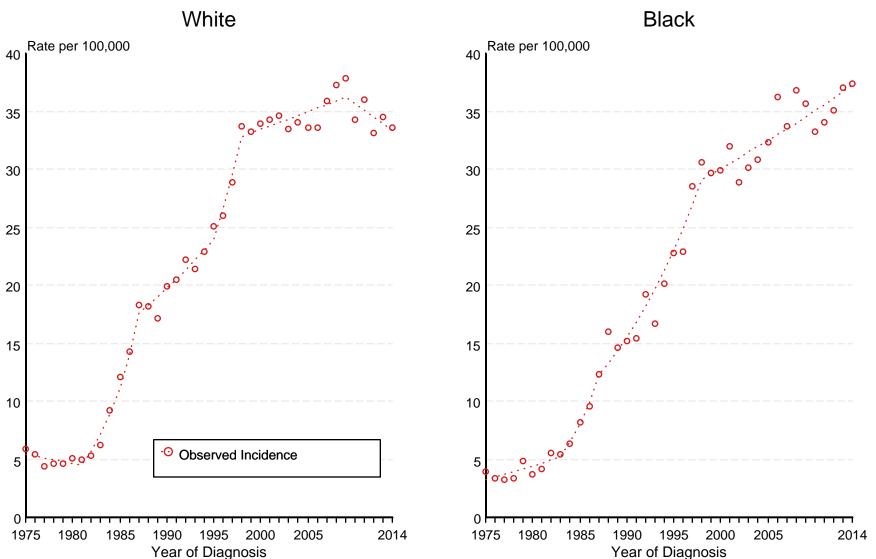
Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).

^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute.
The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.

National Cancer Institute

Figure 4.3

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



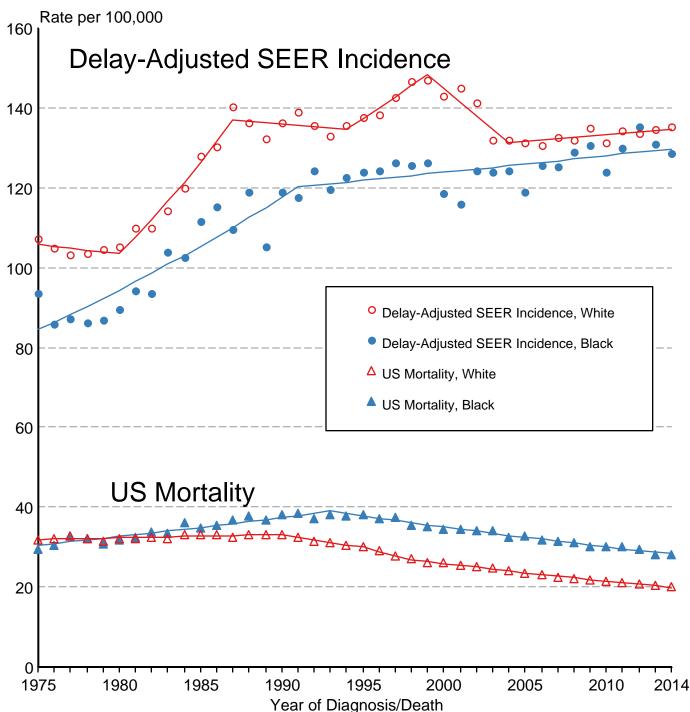
Source: SEER 9 areas.

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

Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.

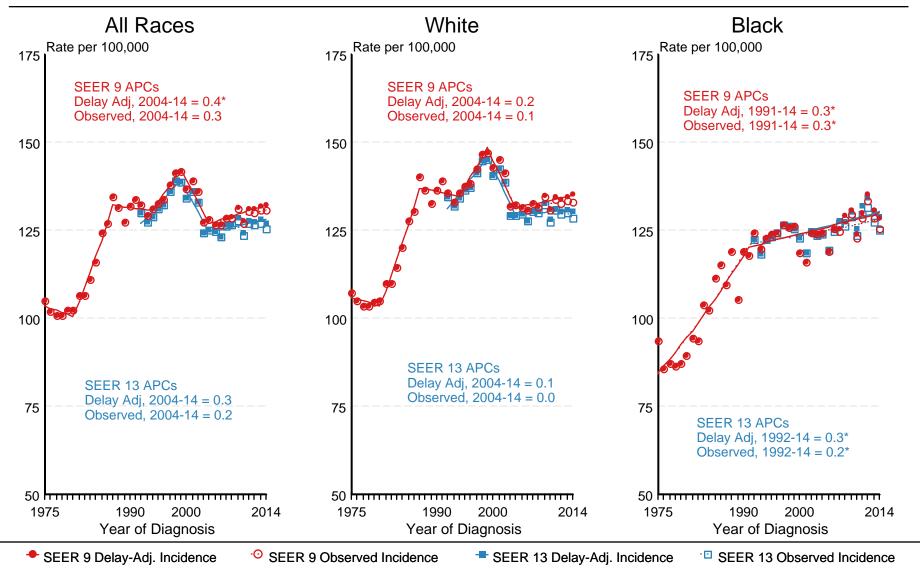
Figure 4.8

Cancer of the Breast Delay-Adjusted SEER Incidence & US Mortality White Females vs Black Females 1975-2014



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 4.4, January 2017, National Cancer Institute. Figure 4.10

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



Source: SEER 9 areas and SEER 13 areas.

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

Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend. * The APC is significantly different from zero (p < 0.05).

Table 5.1 Cancer of the Cervix Uteri (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints,

All Ages by Race/Ethnicity

	JP Tre	end 1	JP Tre	end 2	JP Tre	end 3	JP Tre	end 4	JP Tre	end 5	JP Tre	end 6	AAI	PC ^d
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14
SEER 9 Delay-Adjus	ted Incide	nce ^a , 197	5-2014											
All Races	1975-82	-4.6*	1982-90	0.0	1990-06	-2.7*	2006-14	-0.3					-0.6	-0.3
White	1975-82	-4.8*	1982-90	0.4	1990-05	-2.5*	2005-14	0.0					0.0	0.0
Black	1975-14	-3.6*											-3.6*	-3.6*
SEER 13 Delay-Adju	sted Incide	ence ^b , 19	92-2014											
All Races	1992-05	-2.7*	2005-14	-1.6*									-1.6*	-1.6*
White	1992-14	-2.0*											-2.0*	-2.0*
Black	1992-14	-3.4*											-3.4*	-3.4*
SEER 9 Observed In	cidence ^a , 1	L975-2014												
All Races	1975-82	-4.6*	1982-90	0.0	1990-06	-2.7*	2006-14	-0.4					-0.7	-0.4
White	1975-82	-4.8*	1982-90	0.4	1990-05	-2.5*	2005-14	-0.2					-0.2	-0.2
Black	1975-14	-3.6*											-3.6*	-3.6*
SEER 13 Observed I	ncidence ^b ,	1992-201	.4											
All Races	1992-14	-2.4*											-2.4*	-2.4*
White	1992-14	-2.0*											-2.0*	-2.0*
White NH ^{ef}	1992-04	-2.4*	2004-14	-0.7									-0.7	-0.7
Black	1992-14	-3.5*											-3.5*	-3.5*
Black NH ^{ef}	1992-14	-3.4*											-3.4*	-3.4*
API ^e	1992-14	-3.9*											-3.9*	-3.9*
AI/AN ^{eg}	1992-14	-1.2											-1.2	-1.2
Hispanic ^f	1992-14	-4.1*											-4.1*	-4.1*
U.S. Cancer Mortal	ity ^c , 1975-	-2014												
All Races	1975-82	-4.4*	1982-96	-1.6*	1996-03	-3.8*	2003-14	-0.8*					-0.8*	-0.8*
White	1975-83	-4.2*	1983-96	-1.2*	1996-03	-3.5*	2003-14	-0.4*					-0.4*	-0.4*
Black	1975-81	-4.8*	1981-93	-2.4*	1993-03	-4.7*	2003-14	-2.1*					-2.1*	-2.1*
U.S. Cancer Mortal	ity ^c , 1992-	-2014												
All Races	1992-04	-3.2*	2004-14	-0.7*									-0.7*	-0.7*
White	1992-96	-1.3	1996-03	-3.5*	2003-14	-0.4*							-0.4*	-0.4*
White NH ^{ef}	1992-96	-1.0	1996-04	-3.4*	2004-14	-0.1							-0.1	-0.1
Black	1992-03	-4.8*	2003-14	-2.1*									-2.1*	-2.1*
Black NH ^{ef}	1992-01	-5.2*	2001-14	-2.3*									-2.3*	-2.3*
API ^e	1992-14	-3.5*											-3.5*	-3.5*
AI/AN ^{eg}	1992-14	-2.5*											-2.5*	-2.5*
Hispanic ^f	1992-14	-2.7*											-2.7*	-2.7*

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

- Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).
- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
- API Asian/Pacific Islander, AI/AN American Indian/Alaska Native, NH Non-Hispanic
- Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.
- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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Table 5.2 Cancer of the Cervix Uteri (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Ages <50 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	AAF	C^{d}
		PC Years	APC	Years	APC	Years	APC	Years	APC	Years	APC		2010-14
SEER 9 Delay-Adjus	ted Incidence ^a	. 1975-2014											
All Races		.7* 1981-98	-0.5	1998-01	-7.5	2001-14	-0.2					-0.2	-0.2
White	1975-82 -4	.0* 1982-89	2.1	1989-05	-2.0*	2005-14	0.7					0.7	0.7
Black	1975-14 -3	.2*										-3.2*	-3.2*
SEER 13 Delay-Adju	sted Incidence	^b . 1992-2014											
All Races		.4* 2004-14	-1.1*									-1.1*	-1.1*
White		.5*										-1.5*	-1.5*
Black	1992-14 -3	.1*										-3.1*	-3.1*
SEER 9 Observed In	cidence ^a . 1975	-2014											
All Races		.7* 1981-98	-0.5	1998-01	-7.4	2001-14	-0.2					-0.2	-0.2
White	1975-82 -4	.0* 1982-89	2.1	1989-05	-2.0*	2005-14	0.5					0.5	0.5
Black	1975-14 -3	.2*										-3.2*	-3.2*
SEER 13 Observed I	ncidence ^b , 199	2-2014											
All Races	,	.4* 2004-14	-1.2*									-1.2*	-1.2*
White	1992-14 -1	.5*										-1.5*	-1.5*
White NH ^{ef}	1992-04 -1	.9* 2004-14	-0.1									-0.1	-0.1
Black	1992-14 -3	.1*										-3.1*	-3.1*
Black NH ^{ef}	1992-14 -2	.9*										-2.9*	-2.9*
API ^e		.6*										-2.6*	-2.6*
AI/AN ^{eg}		.3										0.3	0.3
Hispanic ^f	1992-14 -3	.7*										-3.7*	-3.7*
U.S. Cancer Mortal	ity ^c , 1975-201	4											
All Races	1975-81 -3	.8* 1981-96	-0.7*	1996-03	-3.9*	2003-14	-0.3					-0.3	-0.3
White	1975-80 -4	.0* 1980-97	-0.3*	1997-03	-3.9*	2003-14	0.1					0.1	0.1
Black	1975-14 -3	.2*										-3.2*	-3.2*
U.S. Cancer Mortal	ity ^c , 1992-201	4											
All Races	1992-04 -3	.0* 2004-14	-0.3									-0.3	-0.3
White	1992-98 -1	.1 1998-03	-4.1*	2003-14	0.1							0.1	0.1
White NH ^{ef}	1992-96 0	.8 1996-03	-3.7*	2003-14	0.3							0.3	0.3
Black		.5* 2001-14	-1.8*									-1.8*	-1.8*
Black NH ^{ef}		.4* 2001-14	-1.6*									-1.6*	-1.6*
API ^e		.0*										-3.0*	-3.0*
AI/AN ^{eg}		. 4										-1.4	-1.4
Hispanic ^f	1992-14 -2	.8*										-2.8*	-2.8*

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

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

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

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

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

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

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

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

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

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Table 5.3 Cancer of the Cervix Uteri (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints,

Ages 50+ by Race/Ethnicity

	JP Tre	nd 1	JP Tre	end 2	JP Tre	end 3	JP Tre	end 4	JP Tre	end 5	JP Trend 6		AAP	AAPC ^d	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14	
SEER 9 Delay-Adjus	ted Incider	nce ^a , 197	5-2014												
All Races	1975-83	-4.9*	1983-91	-0.9	1991-05	-3.3*	2005-14	-1.6*					-1.6*	-1.6*	
White	1975-85	-4.7*	1985-92	0.3	1992-95	-7.0	1995-14	-2.2*					-2.2*	-2.2*	
Black	1975-14	-3.9*											-3.9*	-3.9*	
SEER 13 Delay-Adju	sted Incide	ence ^b , 19	92-2014												
All Races	1992-14	-2.9*											-2.9*	-2.9*	
White	1992-14	-2.6*											-2.6*	-2.6*	
Black	1992-14	-3.8*											-3.8*	-3.8*	
<u>SEER 9 Observed In</u>	cidence ^ª , 1	975-2014	L												
All Races	1975-83	-4.9*	1983-91	-0.9	1991-05	-3.3*	2005-14	-1.7*					-1.7*	-1.7*	
White	1975-85	-4.7*	1985-92	0.3	1992-95	-6.9	1995-14	-2.2*					-2.2*	-2.2*	
Black	1975-14	-4.0*											-4.0*	-4.0*	
SEER 13 Observed I	ncidence ^b ,	1992-201	.4												
All Races	1992-14	-3.0*											-3.0*	-3.0*	
White	1992-14	-2.7*											-2.7*	-2.7*	
White NH ^{ef}	1992-14	-2.5*											-2.5*	-2.5*	
Black	1992-14	-3.9*											-3.9*	-3.9*	
Black NH ^{ef}	1992-14	-3.9*											-3.9*	-3.9*	
API ^e	1992-06	-6.2*	2006-14	-1.7									-2.2	-1.7	
AI/AN ^{eg}	1992-14	-2.9*											-2.9*	-2.9*	
Hispanic ^f	1992-14	-4.5*											-4.5*	-4.5*	
U.S. Cancer Mortal	ity ^c , 1975-	2014													
All Races	1975-84	-4.3*	1984-94	-1.8*	1994-04	-3.4*	2004-14	-0.9*					-0.9*	-0.9*	
White	1975-84	-4.6*	1984-96	-1.8*	1996-03	-3.6*	2003-14	-0.7*					-0.7*	-0.7*	
Black	1975-79	-5.5*	1979-93	-2.7*	1993-05	-4.5*	2005-14	-1.9*					-1.9*	-1.9*	
U.S. Cancer Mortal	ity ^c , 1992-	2014													
All Races	1992-04	-3.3*	2004-14	-1.0*									-1.0*	-1.0*	
White	1992-04	-3.0*	2004-14	-0.7*									-0.7*	-0.7*	
White NH ^{ef}	1992-04	-3.1*	2004-14	-0.6									-0.6	-0.6	
Black	1992-04	-4.7*	2004-14	-2.1*									-2.1*	-2.1*	
Black NH ^{ef}	1992-05	-4.5*	2005-14	-1.8*									-1.8*	-1.8*	
API ^e	1992-14	-3.8*											-3.8*	-3.8*	
AI/AN ^{eg}	1992-14	-3.2*											-3.2*	-3.2*	
Hispanic ^f	1992-14	-2.6*											-2.6*	-2.6*	

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

- Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).
- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
- API Asian/Pacific Islander, AI/AN American Indian/Alaska Native, NH Non-Hispanic
- Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.
- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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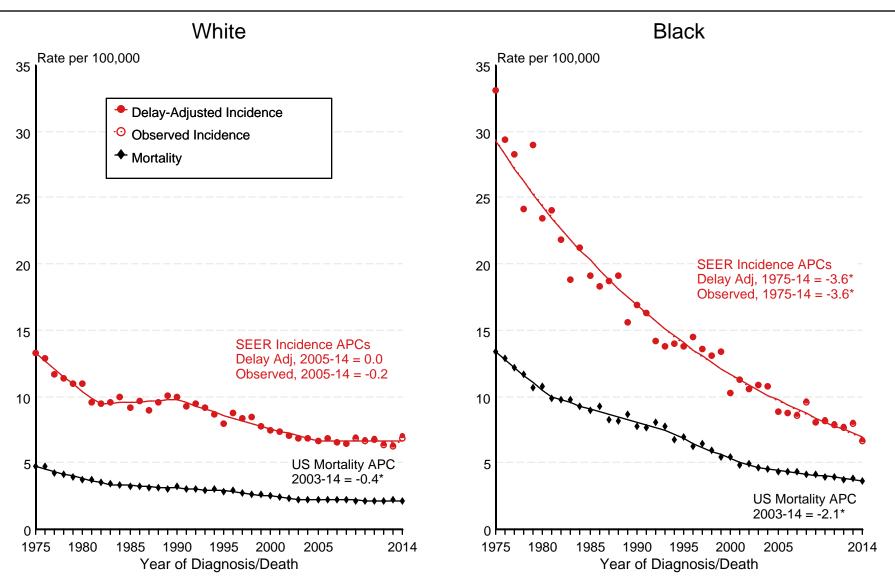
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Figure 5.1

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

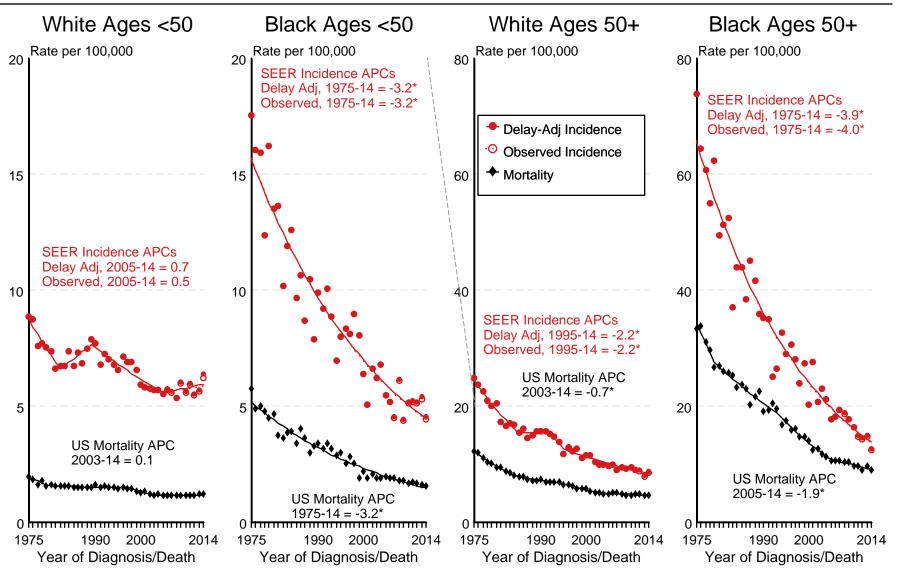


Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).

^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, 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^a Cancer of the Cervix Uteri, by Age and Race



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

^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend. The APC is significantly different from zero (p < 0.05).

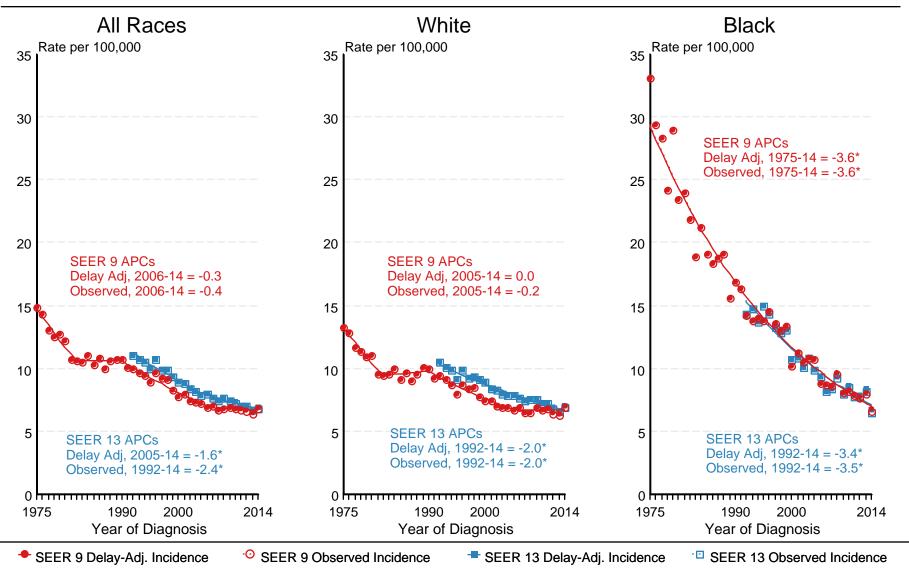
*

SEER Cancer Statistics Review 1975-2014

Figure 5.2

Figure 5.4

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



Source: SEER 9 areas and SEER 13 areas.

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

Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend. * The APC is significantly different from zero (p < 0.05).

Table 6.1 Cancer of the Colon and Rectum (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Both Sexes by Race/Ethnicity

	JP Tre	nd 1	JP Tre	end 2	JP Tre	end 3	JP Tre	end 4	JP Tre	end 5	JP Tre	end 6	AAP	Cd
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14
SEER 9 Delay-Adjus	ted Incider	uce ^a 197	25-2014											
All Races	1975-85	0.8*	1985-95	-1.8*	1995-98	1.5	1998-08	-2.3*	2008-12	-4.0*	2012-14	0.4	-2.5*	-1.9*
White	1975-85	0.8*	1985-95	-2.0*	1995-98	1.6	1998-08	-2.5*	2008-11	-4.8*	2011-14	-0.6	-2.6*	-1.6*
Black	1975-80	3.3*	1980-04	-0.2	2004-14	-3.3*							-3.3*	-3.3*
SEER 13 Delay-Adju	sted Incide	ence ^b , 19	92-2014											
All Races	1992-95	-2.1*	1995-98	1.6	1998-08	-2.2*	2008-12	-4.0*	2012-14	-0.4			-2.6*	-2.2*
White	1992-95	-2.2*	1995-98	1.7	1998-08	-2.4*	2008-12	-4.2*	2012-14	0.4			-2.6*	-1.9*
Black	1992-04	-0.1	2004-14	-3.3*									-3.3*	-3.3*
SEER 9 Observed In	ncidence ^a . 1	975-2014	L											
All Races	1975-85	0.8*	1985-95	-1.8*	1995-98	1.5	1998-08	-2.3*	2008-11	-4.6*	2011-14	-1.3	-2.7*	-2.1*
White	1975-85	0.8*	1985-95	-2.0*	1995-98	1.6	1998-08	-2.5*	2008-11	-4.9*	2011-14	-1.0	-2.8*	-2.0*
Black	1975-80	3.3*	1980-04	-0.2	2004-14	-3.5*							-3.5*	-3.5*
SEER 13 Observed I	ncidence ^b .	1992-201	4											
All Races	1992-95	-2.1*	1995-98	1.6	1998-08	-2.2*	2008-12	-4.1*	2012-14	-0.9			-2.8*	-2.5*
White	1992-95	-2.2*	1995-98	1.7	1998-08	-2.4*	2008-12	-4.3*	2012-14	-0.2			-2.8*	-2.3*
White NH ^{ef}	1992-95	-2.2*	1995-98	1.8	1998-08	-2.5*	2008-12	-4.3*	2012-14	0.3			-2.7*	-2.0*
Black	1992-03	-0.1	2003-08	-2.2*	2008-14	-4.6*							-3.8*	-4.6*
Black NH ^{ef}	1992-03	-0.1	2003-09	-2.3*	2009-14	-4.8*							-3.7*	-4.8*
API ^e	1992-02	-0.3	2002-14	-2.6*									-2.6*	-2.6*
AI/AN ^{eg}	1992-14	-0.2											-0.2	-0.2
Hispanic ^f	1992-07	0.0	2007-14	-3.1*									-2.4*	-3.1*
U.S. Cancer Mortal	ity ^c , 1975-	2014												
All Races	1975-84	-0.5*	1984-02	-1.8*	2002-05	-3.8*	2005-14	-2.5*					-2.5*	-2.5*
White	1975-84	-0.7*	1984-02	-1.9*	2002-05	-3.9*	2005-14	-2.4*					-2.4*	-2.4*
Black	1975-90	0.7*	1990-02	-0.9*	2002-14	-3.1*							-3.1*	-3.1*
U.S. Cancer Mortal	ity ^c , 1992-	2014												
All Races	1992-02	-1.8*	2002-05	-3.8*	2005-14	-2.5*							-2.5*	-2.5*
White	1992-02	-1.9*	2002-05	-3.9*	2005-14	-2.4*							-2.4*	-2.4*
White NH ^{ef}	1992-02	-1.8*	2002-05	-4.0*	2005-14	-2.4*							-2.4*	-2.4*
Black	1992-01	-0.6*	2001-14	-3.0*									-3.0*	-3.0*
Black NH ^{ef}	1992-01	-0.5*	2001-14	-2.9*									-2.9*	-2.9*
API ^e	1992-14	-1.9*											-1.9*	-1.9*
AI/AN ^{eg}	1992-96	8.6	1996-14	-0.7									-0.7	-0.7
Hispanic ^f	1992-01	0.3	2001-14	-1.8*									-1.8*	-1.8*

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

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

- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.

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

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

- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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Table 6.2 Cancer of the Colon and Rectum (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Males by Race/Ethnicity

JP	JP Trend 1		JP Trend 2		JP Trend 3		JP Trend 4		JP Trend 5		JP Trend 6		$AAPC^d$	
Year	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14	
SEER 9 Delay-Adjusted Inc	dence ^a . 19	975-2014												
All Races 1975-		1985-91	-1.2*	1991-95	-3.2*	1995-98	2.1	1998-14	-2.9*			-2.9*	-2.9*	
White 1975-		1986-95	-2.3*	1995-98	1.3	1998-07	-2.9*	2007-12	-4.1*	2012-14	0.2	-2.9*	-2.0*	
Black 1975-	30 4.6	1980-03	0.0	2003-14	-3.1*							-3.1*	-3.1*	
SEER 13 Delay-Adjusted In	idence ^b	1992-2014												
All Races 1992-	,	1995-98	1.4	1998-08	-2.5*	2008-12	-3.9*	2012-14	-0.8			-2.8*	-2.4*	
White 1992-		1995-98	1.4	1998-08	-2.7*	2008-12	-4.3*	2012-14	-0.3			-2.9*	-2.3*	
Black 1992-		2004-14	-3.3*	1990 00	2.7	2000 12	1.5	2012 11	0.5			-3.3*	-3.3*	
			5.5									5.5	5.5	
SEER 9 Observed Incidence All Races 1975-		1985-91	-1.2*	1991-95	-3.2*	1995-98	2.2	1998-14	-3.0*			-3.0*	-3.0*	
White 1975-		1986-95	-1.2" -2.3*	1991-95	-3.2"	1995-98	-2.9*	2007-12	-3.0" -4.2*	2012-14	-0.5	-3.1*	-2.4*	
Black 1975-		1980-03	0.0	2003-14	⊥.3 -3.3*	1990-07	-2.9	2007-12	-4.2	2012-14	-0.5	-3.3*	-3.3*	
			0.0	2005 11	5.5							5.5	5.5	
SEER 13 Observed Incidenc	,													
All Races 1992-		1995-98	1.4	1998-08	-2.5*	2008-12	-4.0*	2012-14	-1.4			-2.9*	-2.7*	
White 1992-		1995-98	1.5	1998-08	-2.7*	2008-12	-4.4*	2012-14	-0.9			-3.1*	-2.7*	
White NH ^{ef} 1992-		1995-98	1.5	1998-08	-2.9*	2008-12	-4.5*	2012-14	-0.2			-3.0*	-2.4*	
Black 1992-		2004-14	-3.6*									-3.6*	-3.6*	
Black NH ^{ef} 1992-		2004-14	-3.5*									-3.5*	-3.5*	
API ^e 1992-		2001-14	-2.4*									-2.4*	-2.4*	
AI/AN ^{eg} 1992- Hispanic ^f 1992-		1998-09	-0.9*	2009-14	-4.0*							-0.2 -2.6*	-0.2 -4.0*	
Hispanic 1992-	98 1.4	1998-09	-0.9*	2009-14	-4.0*							-2.0*	-4.0*	
<u>U.S. Cancer Mortality^c, 1</u>	75-2014													
All Races 1975-		1978-85	-0.4*	1985-90	-1.4*	1990-02	-2.0*	2002-05	-4.0*	2005-14	-2.5*	-2.5*	-2.5*	
White 1975-		1979-87	-0.8*	1987-02	-2.1*	2002-05	-4.2*	2005-14	-2.5*			-2.5*	-2.5*	
Black 1975-	90 1.2*	1990-02	-0.7*	2002-14	-2.8*							-2.8*	-2.8*	
U.S. Cancer Mortality ^c , 19	92-2014													
All Races 1992-	02 -2.0*	2002-05	-4.0*	2005-14	-2.5*							-2.5*	-2.5*	
White 1992-)2 -2.1*	2002-05	-4.1*	2005-14	-2.5*							-2.5*	-2.5*	
White NH ^{ef} 1992-)2 -2.1*	2002-05	-4.2*	2005-14	-2.5*							-2.5*	-2.5*	
Black 1992-	02 -0.7*	2002-14	-2.8*									-2.8*	-2.8*	
Black NH ^{ef} 1992-		2002-14	-2.7*									-2.7*	-2.7*	
API ^e 1992-												-1.9*	-1.9*	
AI/AN ^{eg} 1992-		1996-14	-0.8									-0.8	-0.8	
Hispanic ^f 1992-	98 0.8	1998-14	-1.5*									-1.5*	-1.5*	

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

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

- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.

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

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

- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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Table 6.3 Cancer of the Colon and Rectum (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Females by Race/Ethnicity

$\begin{array}{ c c c c c c c c c c c c c c c c c c c$		JP Tren	nd 1	JP Tre	end 2	JP Tre	end 3	JP Tre	end 4	JP Tre	end 5	JP Tre	end 6	AAP	Cd
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	SEER 9 Delay-Adius	ted Incidenc	ce ^a . 197	5-2014											
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$					-1.9*	1995-98	1.8	1998-08	-2.0*	2008-12	-4.1*	2012-14	0.4	-2.4*	-1.9
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	White	1975-85	0.3	1985-95		1995-98	2.0	1998-08	-2.2*	2008-11	-4.7*	2011-14	-0.1	-2.3*	-1.3
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Black	1975-05	-0.1	2005-14	-4.1*									-4.1*	-4.1*
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	SEER 13 Delay-Adju	sted Inciden	nce ^b , 19	92-2014											
Black 1992-06 -0.3 2006-14 -4.3* -3.8* -4.3* SEEF 9 Observed Incidence*, 1975-2014 All Races 1975-85 0.3 1985-95 -2.1* 1995-98 1.8 1998-08 -2.0* 2008-11 -4.7* 2011-14 -1.3 -2.7* -2.1* White 1975-85 0.3 1985-95 -2.1* 1995-98 1.8 1998-08 -2.2* 2008-11 -4.8* 2011-14 -0.6 -2.5* -1.6 Black 1975-05 -0.1 2005-14 -4.3* 1998-08 -2.2* 2008-12 -4.8* 2011-14 -0.6 -2.5* -1.6 Black 1992-95 -1.7 1995-98 1.8 1998-08 -2.0* 2008-12 -4.2* 2012-14 0.5 -2.5* -1.9 White 1992-95 -1.7 1995-98 1.8 1998-08 -2.2* 2008-11 -4.7* 2011-14 -0.7 -2.5* -1.7 1995-98 1.9 1998-08 -2.2* 2008-11 -4.7* 2011-14 -0.7 -2.5* -1.7 7.5* -	All Races	1992-95	-1.8*	1995-98	1.8	1998-08	-1.9*	2008-12	-4.1*	2012-14	-0.1			-2.5*	-2.1*
SEER 9 Observed Incidence*, 1975-2014 All Races 1975-85 0.3 1985-95 1.0* 1995-98 1.8 1998-08 -2.0* 2008-11 -4.7* 2011-14 -1.3 -2.7* -2.1* white 1975-05 0.3 1985-95 -2.1* 1995-98 2.0 1998-08 -2.2* 2008-11 -4.8* 2011-14 -0.6 -2.5* -1.6 Black 1975-05 0.1 2005-14 -4.3* 1998-08 -2.2* 2008-11 -4.8* 2011-14 -0.6 -2.7* -2.4* Mite 1992-95 -1.7 1995-98 1.8 1998-08 -2.0* 2008-12 -4.2* 2012-14 -0.6 -2.7* -2.4* White N#* 1992-95 -1.7 1995-98 1.9 1998-08 -2.1* 2008-11 -4.7* 2011-14 -0.7 -2.5* -1.7 Black 1992-06 -0.3 2006-14 -4.6* -2.4* -2.8* -3.4* -5.3* -3.4* -5.3* -3.4* -5.3* -3.3* -3.3* -3.3* -2.2* <td>White</td> <td>1992-95</td> <td>-1.7</td> <td>1995-98</td> <td>1.8</td> <td>1998-08</td> <td>-2.1*</td> <td>2008-12</td> <td>-4.1*</td> <td>2012-14</td> <td>1.1</td> <td></td> <td></td> <td>-2.3*</td> <td>-1.5</td>	White	1992-95	-1.7	1995-98	1.8	1998-08	-2.1*	2008-12	-4.1*	2012-14	1.1			-2.3*	-1.5
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Black	1992-06	-0.3	2006-14	-4.3*									-3.8*	-4.3*
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	SEER 9 Observed In	cidence ^a . 19	975-2014												
Black1975-05 -0.1 2005-14 -4.3^* -4.3^* -4.3^* SEER 13 Observed Incidence ^b , 1992-2014Image: 1992-95 1.8^* 1995-98 1.8 1996-08 -2.0^* 2008-12 -4.2^* 2012-14 -0.6 -2.7^* -2.4^* All Races1992-95 -1.7 1995-98 1.8 1998-08 -2.0^* 2008-12 -4.2^* 2012-14 0.5 -2.5^* -1.9 White NH ^{ef} 1992-95 -1.7 1995-98 1.9 1998-08 -2.2^* 2008-11 -4.7^* 2011-14 -0.7 -2.5^* -1.7 Black1992-06 -0.2 2006-14 -4.6^* -4.1^* -4.6^* -4.1^* -4.6^* All Ant ^{ef} 1992-06 -0.2 2006-14 -5.3^* -5.3^* -2.8^* -3.4^* -5.3^* All Ant ^{ef} 1992-07 0.0^* 2007-14 -2.8^* -2.8^* -2.8^* -2.8^* -2.8^* U.S. Cancer Mortality ^c , 1975-2014 -1.8^* 2001-14 -2.8^* -2.8^* -2.8^* -2.8^* -2.8^* Black1975-85 0.7^* 1985-01 -0.7^* 2001-14 -3.4^* -3.4^* -3.4^* -3.4^* -3.4^* U.S. Cancer Mortality ^c , 1972-2014 -1.8^* 2000-14 -2.8^* -2.8^* -2.8^* -2.8^* -2.8^* -2.8^* -2.8^* Mhite1975-85 0.7^* 1985-01 -0.7^* 2001-14 -3.4^* -2.8^* -2.8^* -2.8^* <th< td=""><td></td><td></td><td></td><td></td><td>-1.9*</td><td>1995-98</td><td>1.8</td><td>1998-08</td><td>-2.0*</td><td>2008-11</td><td>-4.7*</td><td>2011-14</td><td>-1.3</td><td>-2.7*</td><td>-2.1*</td></th<>					-1.9*	1995-98	1.8	1998-08	-2.0*	2008-11	-4.7*	2011-14	-1.3	-2.7*	-2.1*
SEER 13 Observed Incidence ^b , 1992-2014 All Races 1992-95 -1.8* 1995-98 1.8 1998-08 -2.0* 2008-12 -4.2* 2012-14 0.6 -2.7* -2.4* White 1992-95 -1.7 1995-98 1.8 1998-08 -2.1* 2008-12 -4.2* 2012-14 0.5 -2.5* -1.9 White NH ^{ef} 1992-06 -0.3 2006-14 -4.6* -4.6* -4.1* -4.6* Black NH ^{ef} 1992-06 -0.2 2006-14 -4.6* -2.7* -2.5* -1.7 Black NH ^{ef} 1992-06 -0.2 2006-14 -4.6* -4.6* -4.1* -4.6* AI/AN ^{eg} 1992-07 0.0 2007-14 -2.8* -0.3 -0.3 -0.3 White 1975-84 -1.0* 1984-01 -1.8* 2001-14 -2.8* -2.9* 2010-14 -1.9* -2.6* -2.8* -2.8* -2.8* -2.6* -2.8* -2.8* -2.6* -2.8* -2.8* -2.8* -2.6* -2.8* -2.6* -2.8* -2.6* -2.8* <td>White</td> <td>1975-85</td> <td>0.3</td> <td>1985-95</td> <td>-2.1*</td> <td>1995-98</td> <td>2.0</td> <td>1998-08</td> <td>-2.2*</td> <td>2008-11</td> <td>-4.8*</td> <td>2011-14</td> <td>-0.6</td> <td>-2.5*</td> <td>-1.6</td>	White	1975-85	0.3	1985-95	-2.1*	1995-98	2.0	1998-08	-2.2*	2008-11	-4.8*	2011-14	-0.6	-2.5*	-1.6
All Races1992-95-1.8*1995-981.81998-08-2.0*2008-12-4.2*2012-14-0.6-2.7*-2.4*White1992-95-1.71995-981.81998-08-2.1*2008-12-4.2*2012-140.5-2.5*-1.9Black1992-95-1.71995-981.91998-08-2.2*2008-11-4.72011-14-0.7-2.5*-1.7Black1992-06-0.32006-14-4.6*-4.6*-4.1*-4.6*-4.1*-4.6*Black NH ^{eff} 1992-09-0.9*2009-14-5.3*-3.4*-5.3*-0.3-0.3-0.3AI/AN ^{eg} 1992-070.02007-14-2.8*-2.2*2010-14-1.9*-2.2*-2.8*-2.2*-2.8*U.S. Cancer Mortality ^c , 1975-84-1.0*1984-01-1.8*2001-14-2.9*2010-14-1.9*-2.5*-1.9*Black1975-850.7*1985-01-0.7*2011-14-3.4*-3.4*-3.4*-3.4*-3.4*U.S. Cancer Mortality ^c , 1992-2014-1.8*2001-14-2.8*-2.9*2010-14-1.9*-2.8*-2.8*-2.8*-2.8*White1975-850.7*1985-01-0.7*2001-14-3.4*-3.4*-3.4*-3.4*-3.4*U.S. Cancer Mortality ^c , 1992-201-1.8*2000-14-2.7*-2.8*-2.8*-2.8*-2.8*-2.8*-2.8*White1992-00-1.8*20	Black	1975-05	-0.1	2005-14	-4.3*									-4.3*	-4.3*
All Races1992-95-1.8*1995-981.81998-08-2.0*2008-12-4.2*2012-14-0.6-2.7*-2.4*White1992-95-1.71995-981.81998-08-2.1*2008-12-4.2*2012-140.5-2.5*-1.9Black1992-95-1.71995-981.91998-08-2.2*2008-11-4.72011-14-0.7-2.5*-1.7Black1992-06-0.32006-14-4.6*-4.6*-4.1*-4.6*-4.1*-4.6*Black NH ^{eff} 1992-09-0.9*2009-14-5.3*-3.4*-5.3*-0.3-0.3-0.3AI/AN ^{eg} 1992-070.02007-14-2.8*-2.2*2010-14-1.9*-2.2*-2.8*-2.2*-2.8*U.S. Cancer Mortality ^c , 1975-84-1.0*1984-01-1.8*2001-14-2.9*2010-14-1.9*-2.5*-1.9*Black1975-850.7*1985-01-0.7*2011-14-3.4*-3.4*-3.4*-3.4*-3.4*U.S. Cancer Mortality ^c , 1992-2014-1.8*2001-14-2.8*-2.9*2010-14-1.9*-2.8*-2.8*-2.8*-2.8*White1975-850.7*1985-01-0.7*2001-14-3.4*-3.4*-3.4*-3.4*-3.4*U.S. Cancer Mortality ^c , 1992-201-1.8*2000-14-2.7*-2.8*-2.8*-2.8*-2.8*-2.8*-2.8*White1992-00-1.8*20	SEER 13 Observed I	ncidence ^b , 1	.992-201	4											
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	All Races	1992-95	-1.8*		1.8	1998-08	-2.0*	2008-12	-4.2*	2012-14	-0.6			-2.7*	-2.4*
Black $1992-06$ -0.3 $2006-14$ -4.6^* -4.1^* -4.6^* Black NH^{ef} $1992-06$ -0.2 $2006-14$ -4.6^* -4.1^* -4.6^* APIe $1992-09$ -0.9^* $2009-14$ -5.3^* -3.3^* -3.3^* -5.3^* AI/Aneg $1992-14$ -0.3 -0.3 -0.3 -0.3 -0.3 -0.3 Hispanicf $1992-07$ 0.0 $2007-14$ -2.8^* -2.2^* -2.8^* -2.2^* -2.8^* U.S. Cancer Mortality ^c , $1975-2014$ -1.8^* $2001-14$ -2.8^* -2.2^* -2.8^* -2.8^* -2.8^* Black $1975-84$ -1.2^* $1984-01$ -1.8^* $2001-14$ -2.9^* $2010-14$ -1.9^* -2.5^* -1.9^* Black $1975-84$ -1.2^* $1984-01$ -2.0^* $2001-14$ -3.4^* -3.4^* -3.4^* -3.4^* -3.4^* -3.4^* -2.5^* -1.9^* U.S. Cancer Mortality ^c , $1992-2014$ -1.8^* $2000-14$ -2.7^* $2001-14$ -3.4^* -2.7^* </td <td>White</td> <td>1992-95</td> <td>-1.7</td> <td>1995-98</td> <td>1.8</td> <td>1998-08</td> <td>-2.1*</td> <td>2008-12</td> <td>-4.2*</td> <td>2012-14</td> <td>0.5</td> <td></td> <td></td> <td>-2.5*</td> <td>-1.9</td>	White	1992-95	-1.7	1995-98	1.8	1998-08	-2.1*	2008-12	-4.2*	2012-14	0.5			-2.5*	-1.9
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	White NH ^{ef}	1992-95	-1.7	1995-98	1.9	1998-08	-2.2*	2008-11	-4.7	2011-14	-0.7			-2.5*	-1.7
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Black	1992-06	-0.3	2006-14	-4.6*									-4.1*	-4.6*
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Black NH ^{ef}	1992-06	-0.2	2006-14	-4.6*									-4.1*	-4.6*
Hispanic ^f 1992-070.02007-14 -2.8^* -2.2^* -2.2^* -2.8^* U.S. Cancer Mortality ^c , 1975-2014 $1984-01$ -1.8^* $2001-14$ -2.8^* -3.4^* -3.4^* -3.4^* -3.4^* -3.4^* -3.4^* -3.4^* -3.4^* -2.8^* -2.7	API ^e	1992-09	-0.9*	2009-14	-5.3*									-3.4*	-5.3*
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		1992-14	-0.3											-0.3	-0.3
All Races $1975-84$ -1.0^* $1984-01$ -1.8^* $2001-14$ -2.8^* -2.8^* -2.8^* -2.8^* White $1975-84$ -1.2^* $1984-01$ -2.0^* $2001-10$ -2.9^* $2010-14$ -1.9^* -2.5^* -1.9^* Black $1975-85$ 0.7^* $1985-01$ -0.7^* $2001-14$ -3.4^* -3.4^* -3.4^* -3.4^* -3.4^* -3.4^* U.S. Cancer Mortality ^c , $1992-2014$ Here $1992-00$ -1.7^* $2000-14$ -2.8^* -2.8^* -2.8^* -2.8^* -2.8^* White $1992-00$ -1.7^* $2000-14$ -2.7^*	Hispanic ^f	1992-07	0.0	2007-14	-2.8*									-2.2*	-2.8*
White $1975-84$ $-1.2*$ $1984-01$ $-2.0*$ $2001-10$ $-2.9*$ $2010-14$ $-1.9*$ Black $1975-85$ $0.7*$ $1985-01$ $-0.7*$ $2001-14$ $-3.4*$ $-3.4*$ $-3.4*$ $-3.4*$ U.S. Cancer Mortality ^c , $1992-2014$ Here $1992-00$ $-1.7*$ $2000-14$ $-2.8*$ $-2.8*$ $-2.8*$ $-2.8*$ $-2.8*$ All Races $1992-00$ $-1.8*$ $2000-14$ $-2.7*$ $-3.4*$ $-3.4*$ $-3.4*$ $-3.3*$ $-3.$	U.S. Cancer Mortal	ity ^c , 1975-2	2014												
Black 1975-85 0.7* 1985-01 -0.7* 2001-14 -3.4* -3.4* -3.4* U.S. Cancer Mortality ^c , 1992-2014 - - -2.8* -2.8* -2.8* -2.8* -2.8* -2.7* -3.4* -3.4* -3.3* -3.3* -3.3* -3.3* -3.3* -3.3* -3.3* -3.3* -3.3* -3.3* -3.3* -3.3* -3.3* -3.3*	All Races	1975-84	-1.0*	1984-01	-1.8*	2001-14	-2.8*							-2.8*	-2.8*
U.S. Cancer Mortality ^c , 1992-2014 All Races 1992-00 -1.7* 2000-14 -2.8* White 1992-00 -1.8* 2000-14 -2.7* White NH ^{ef} 1992-00 -1.8* 2000-14 -2.7* Black 1992-01 -0.7* 201-14 -3.4* Black NH ^{ef} 1992-01 -0.6* 201-14 -3.3*	White	1975-84	-1.2*	1984-01	-2.0*	2001-10	-2.9*	2010-14	-1.9*					-2.5*	-1.9*
All Races 1992-00 -1.7* 2000-14 -2.8* -2.8* White 1992-00 -1.8* 2000-14 -2.7* -2.7* White NH ^{ef} 1992-00 -1.8* 2000-14 -2.7* -2.7* Black 1992-01 -0.7* 201-14 -3.4* -3.4* -3.4* Black NH ^{ef} 1992-01 -0.6* 2001-14 -3.3* -3.3* -3.3*	Black	1975-85	0.7*	1985-01	-0.7*	2001-14	-3.4*							-3.4*	-3.4*
White 1992-00 -1.8* 2000-14 -2.7* White NH ^{ef} 1992-00 -1.8* 2000-14 -2.7* Black 1992-01 -0.7* 2011-14 -3.4* Black NH ^{ef} 1992-01 -0.6* 2001-14 -3.3*	U.S. Cancer Mortal	ity ^c , 1992-2	2014												
White NH ^{ef} 1992-00 -1.8* 2000-14 -2.7* Black 1992-01 -0.7* 2001-14 -3.4* Black NH ^{ef} 1992-01 -0.6* 2001-14 -3.3*	All Races	1992-00	-1.7*	2000-14	-2.8*									-2.8*	-2.8*
Black 1992-01 -0.7* 2001-14 -3.4* Black NH ^{ef} 1992-01 -0.6* 2001-14 -3.3*		1992-00	-1.8*	2000-14	-2.7*									-2.7*	-2.7*
Black NH ^{ef} 1992-01 -0.6* 2001-14 -3.3* -3.3*		1992-00	-1.8*	2000-14	-2.7*									-2.7*	-2.7*
API ^e 1992-12 -1.5* 2012-14 -8.3 -3.1* -4.9*															
				2012-14	-8.3										
AI/AN ^{eg} 1992-14 -0.3 -0.3															
Hispanic ^f 1992-02 0.4 2002-14 -2.3* -2.3*	Hispanic ^I	1992-02	0.4	2002-14	-2.3*									-2.3*	-2.3*

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

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

- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.

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

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

- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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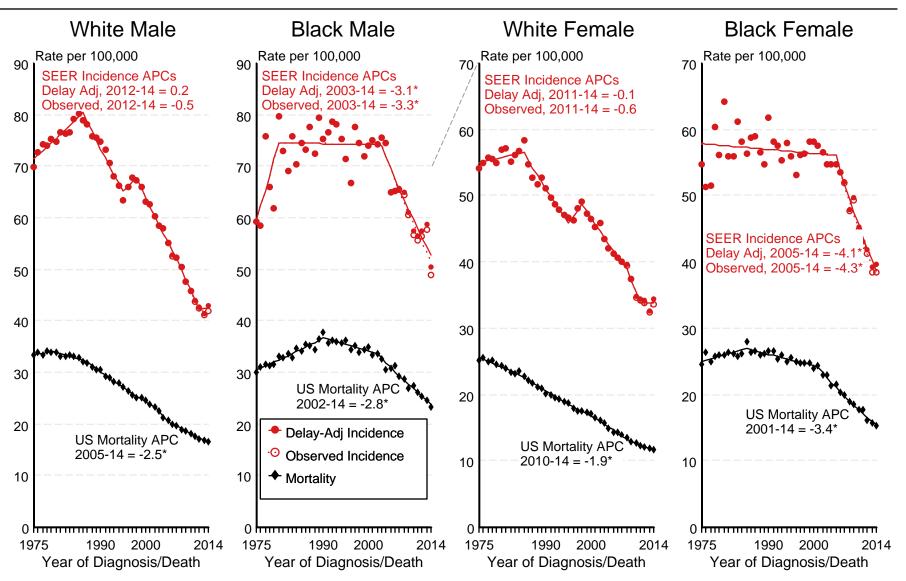
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Figure 6.1

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

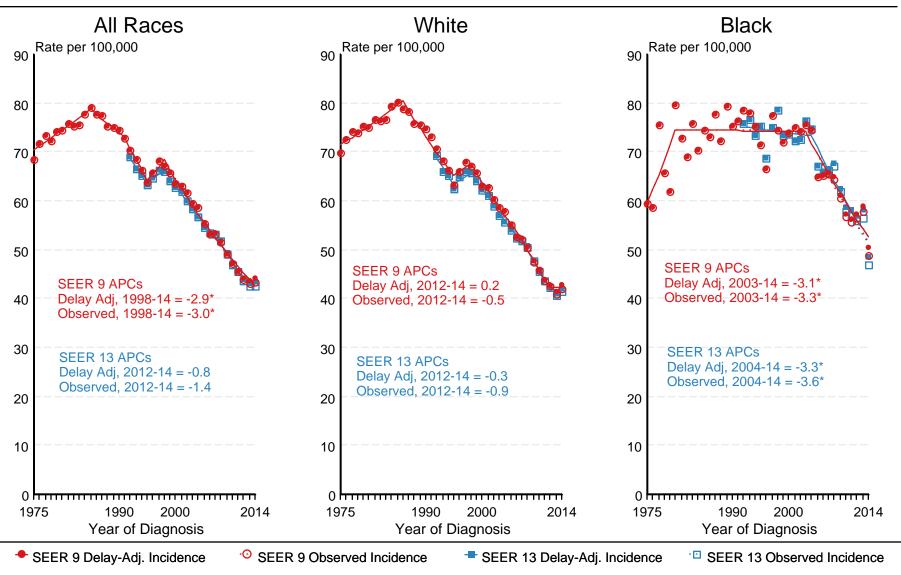


Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).

^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4. January 2017, National Cancer Institute. The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend. *

Figure 6.3

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

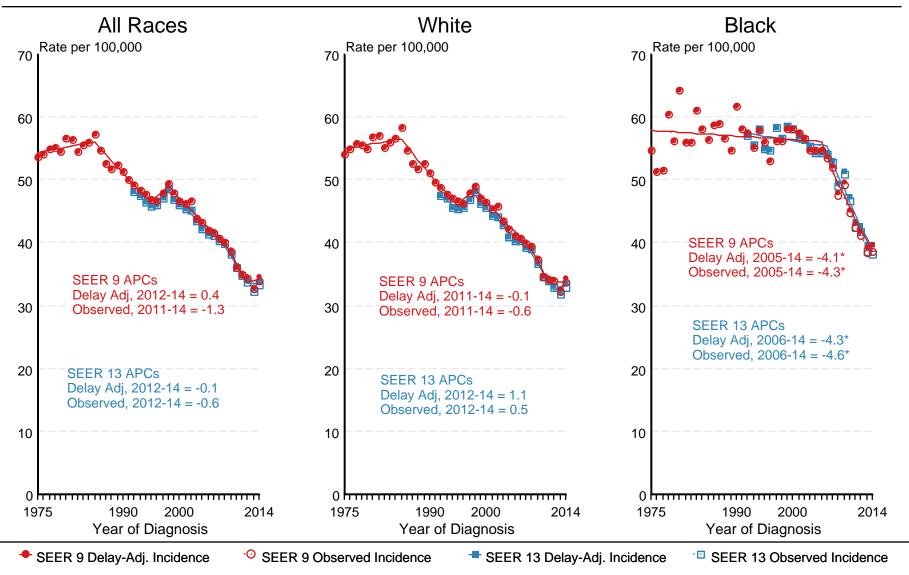


Source: SEER 9 areas and SEER 13 areas.

^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute.
The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.

Figure 6.4

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



Source: SEER 9 areas and SEER 13 areas.

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

Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend. * The APC is significantly different from zero (p < 0.05).

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

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints,

All Ages 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	2005-14	2010-14
SEER 9 Delay-Adjust	ed Incider	nce ^a , 197	5-2014											
All Races	1975-79	-6.0*	1979-88	-1.7*	1988-97	0.7*	1997-06	-0.4*	2006-09	3.5	2009-14	0.2	1.2*	0.2
White	1975-79	-6.1*	1979-88	-1.6*	1988-98	0.7*	1998-03	-1.1	2003-14	1.0*			1.0*	1.0*
Black	1975-94	-0.4	1994-14	2.5*									2.5*	2.5*
<u>SEER 13 Delay-Adjus</u>	sted Incide	ence ^b , 19	92-2014											
All Races	1992-06	-0.2	2006-09	3.3	2009-14	0.5							1.4	0.5
White	1992-04	-0.3	2004-14	1.1*									1.1*	1.1*
Black	1992-14	2.4*											2.4*	2.4*
SEER 9 Observed Inc	cidence ^a , 1	975-2014												
All Races	1975-79	-6.0*	1979-88	-1.7*	1988-97	0.7*	1997-06	-0.4*	2006-09	3.5	2009-14	0.1	1.2	0.1
White	1975-79	-6.1*	1979-88	-1.6*	1988-98	0.7*	1998-03	-1.1	2003-14	0.9*			0.9*	0.9*
Black	1975-93	-0.5	1993-14	2.3*									2.3*	2.3*
SEER 13 Observed Ir	ncidence ^b ,	1992-201	.4											
All Races	1992-06	-0.2	2006-09	3.3	2009-14	0.4							1.3	0.4
White	1992-04	-0.3	2004-14	1.0*									1.0*	1.0*
White NH ^{ef}	1992-98	0.6	1998-04	-1.3	2004-10	1.7*	2010-14	-0.6					0.7	-0.6
Black	1992-14	2.3*											2.3*	2.3*
Black NH ^{ef}	1992-14	2.3*											2.3*	2.3*
API ^e	1992-14	1.7*											1.7*	1.7*
AI/AN ^{eg}	1992-14	2.3*											2.3*	2.3*
Hispanic ^f	1992-07	1.2*	2007-14	3.7*									3.2*	3.7*
U.S. Cancer Mortali	lty ^c , 1975-	2014												
All Races	1975-93	-1.5*	1993-08	0.2	2008-14	2.1*							1.4*	2.1*
White	1975-91	-1.7*	1991-07	-0.1	2007-14	1.7*							1.3*	1.7*
Black	1975-97	-0.8*	1997-09	0.7*	2009-14	3.0*							2.0*	3.0*
U.S. Cancer Mortali	Lty ^c , 1992-	2014												
All Races	1992-08	0.1	2008-14	2.1*									1.4*	2.1*
White	1992-07	0.0	2007-14	1.7*									1.3*	1.7*
White NH ^{ef}	1992-08	0.1	2008-14	1.8*									1.2*	1.8*
Black	1992-08	0.3	2008-14	2.9*									2.0*	2.9*
Black NH ^{ef}	1992-08	0.4*	2008-14	3.0*									2.1*	3.0*
API ^e	1992-14	1.8*											1.8*	1.8*
AI/AN ^{eg}	1992-14	0.8											0.8	0.8
Hispanic ^f	1992-14	0.9*											0.9*	0.9*
• • • • •														

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

- Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).
- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry). Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
- API Asian/Pacific Islander, AI/AN American Indian/Alaska Native, NH Non-Hispanic
- Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.
- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Ages <50 by Race/Ethnicity

	JP Trend 1	L JP Tr	end 2	JP Tr	end 3	JP Tre	end 4	JP Tre	end 5	JP Tr	end 6	AAF	Cd
		PC Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14
SEER 9 Delay-Adjus	sted Incidence ^a .	1975-2014											
All Races	1975-88 -2.		1.3*									1.3*	1.3*
White	1975-88 -2.	.6* 1988-14	1.0*									1.0*	1.0*
Black	1975-85 -4.	.8* 1985-14	2.3*									2.3*	2.3*
<u>SEER 13 Delay-Adju</u>	sted Incidence	^b , 1992-2014											
All Races		.6*										1.6*	1.6*
White	1992-14 1.	.4*										1.4*	1.4*
Black	1992-14 2.	.0*										2.0*	2.0*
SEER 9 Observed Ir	ncidence ^a , 1975-	-2014											
All Races	1975-88 -2.	.6* 1988-14	1.3*									1.3*	1.3*
White	1975-88 -2.	.6* 1988-14	1.0*									1.0*	1.0*
Black	1975-85 -4.	.8* 1985-14	2.3*									2.3*	2.3*
SEER 13 Observed 1	Incidence ^b , 1992	2-2014											
All Races	1992-14 1.	.5*										1.5*	1.5*
White	1992-14 1.	. 4*										1.4*	1.4*
White NH ^{ef}		.8*										0.8*	0.8*
Black		.9*										1.9*	1.9*
Black NH ^{ef}		.0*										2.0*	2.0*
API ^e		.3*										1.3*	1.3*
AI/AN ^{eg}		.6										1.6	1.6
Hispanic ^f	1992-08 2.	.1* 2008-14	5.3*									4.2*	5.3*
U.S. Cancer Mortal	ity ^c , 1975-2014	<u>1</u>											
All Races	1975-92 -3.		1.7*									1.7*	1.7*
White	1975-91 -3.		1.6*									1.6*	1.6*
Black	1975-95 -4.	.5* 1995-14	2.6*									2.6*	2.6*
U.S. Cancer Mortal													
All Races		.7*										1.7*	1.7*
White		.7*										1.7*	1.7*
White NH ^{ef}		.6*										1.6*	1.6*
Black		.1*										2.1*	2.1*
Black NH ^{ef}		.3*										2.3*	2.3*
API ^e	1992-14 1.	. 2										1.2	1.2
AI/AN ^{eg} Hispanic ^f	 1992-14 1.	.5*										- 1.5*	- 1.5*
	_//0 11 11												1.0

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

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

- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.

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

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

- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Ages 50+ by Race/Ethnicity

	JP Tre	end 1	JP Tre	end 2	JP Tre	nd 3	JP Tre	end 4	JP Tre	end 5	JP Tre	end 6	AAF	Cd
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14
SEER 9 Delay-Adjus	ted Incide	nce ^a . 197	75-2014											
All Races	1975-79	-6.2*	1979-88	-1.7*	1988-97	0.6*	1997-06	-0.7*	2006-09	3.6	2009-14	0.2	1.2	0.2
White	1975-79	-6.2*	1979-88	-1.7*	1988-98	0.7*	1998-03	-1.5	2003-14	1.0*			1.0*	1.0*
Black	1975-99	0.1	1999-14	3.0*									3.0*	3.0*
		b 10	00 0014											
<u>SEER 13 Delay-Adju</u> All Races	<u>1992-97</u>	<u>ence-, 19</u> 0.7	1997-06	0.0+	2006 00	3.9	2009-14	0.3					1.4	0.2
All Races White	1992-97 1992-97	0.7	1997-06	-0.9* -1.5*	2006-09 2003-14	$3.9 \\ 1.0*$	2009-14	0.3					$1.4 \\ 1.0*$	0.3 1.0*
			1997-03	-1.5^	2003-14	1.0*								
Black	1992-14	2.4*											2.4*	2.4*
<u>SEER 9 Observed In</u>	cidence ^a , 1	1975-2014	<u>1</u>											
All Races	1975-79	-6.2*	1979-88	-1.7*	1988-97	0.6*	1997-06	-0.7*	2006-09	3.6	2009-14	0.1	1.1	0.1
White	1975-79	-6.2*	1979-88	-1.7*	1988-98	0.7*	1998-03	-1.5	2003-14	0.9*			0.9*	0.9*
Black	1975-97	0.0	1997-14	2.6*									2.6*	2.6*
SEER 13 Observed I	ncidence ^b ,	1992-201	14											
All Races	1992-97	0.7	1997-06	-0.9*	2006-09	3.9	2009-14	0.2					1.3	0.2
White	1992-97	0.9	1997-03	-1.5*	2003-14	1.0*							1.0*	1.0*
White NH ^{ef}	1992-97	1.0	1997-03	-1.4	2003-14	0.8*							0.8*	0.8*
Black	1992-14	2.4*											2.4*	2.4*
Black NH ^{ef}	1992-14	2.4*											2.4*	2.4*
API ^e	1992-95	6.7	1995-06	0.4	2006-09	7.3	2009-14	-0.1					2.4	-0.1
AI/AN ^{eg}	1992-14	2.6*											2.6*	2.6*
Hispanic ^f	1992-06	0.8*	2006-14	3.2*									3.0*	3.2*
U.S. Cancer Mortal	ity ^c 1975-	-2014												
All Races	1975-93	-1.4*	1993-08	0.1	2008-14	2.0*							1.4*	2.0*
White	1975-92	-1.6*	1992-08	-0.1	2008-14	1.9*							1.2*	1.9*
Black	1975-04	-0.4*	2004-14	2.0*	2000 11	1.7							2.0*	2.0*
			2001 21	2.0									210	210
U.S. Cancer Mortal														
All Races	1992-08	0.0	2008-14	2.1*									1.4*	2.1*
White	1992-07	-0.1	2007-14	1.6*									1.2*	1.6*
White NH ^{ef}	1992-08	0.0	2008-14	1.8*									1.2*	1.8*
Black	1992-08	0.2	2008-14	2.8*									2.0*	2.8*
Black NH ^{ef}	1992-08	0.3	2008-14	3.0*									2.1*	3.0*
API ^e	1992-14	1.8*											1.8*	1.8*
AI/AN ^{eg}	1992-14	0.9											0.9	0.9
Hispanic ^f	1992-14	0.8*											0.8*	0.8*

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
- API Asian/Pacific Islander, AI/AN American Indian/Alaska Native, NH Non-Hispanic
- Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.
- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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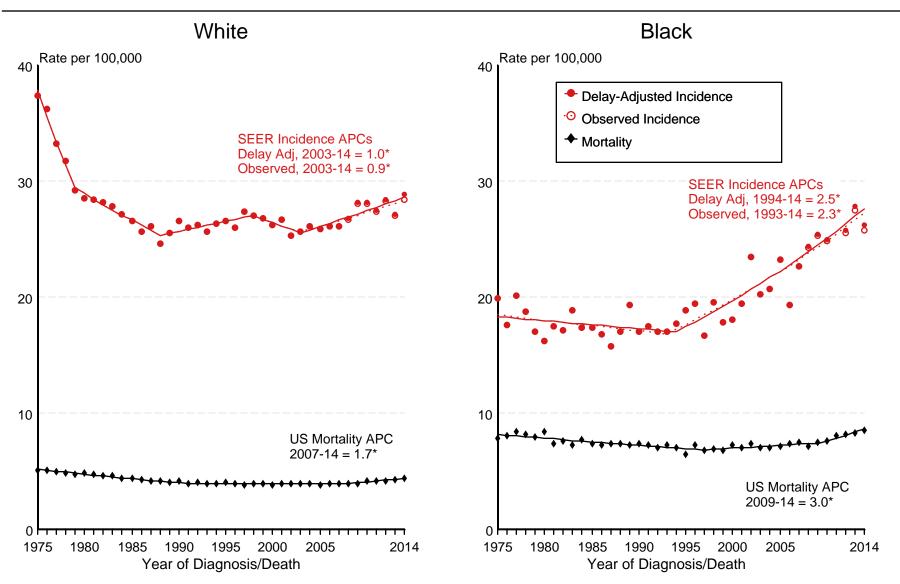
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Figure 7.1

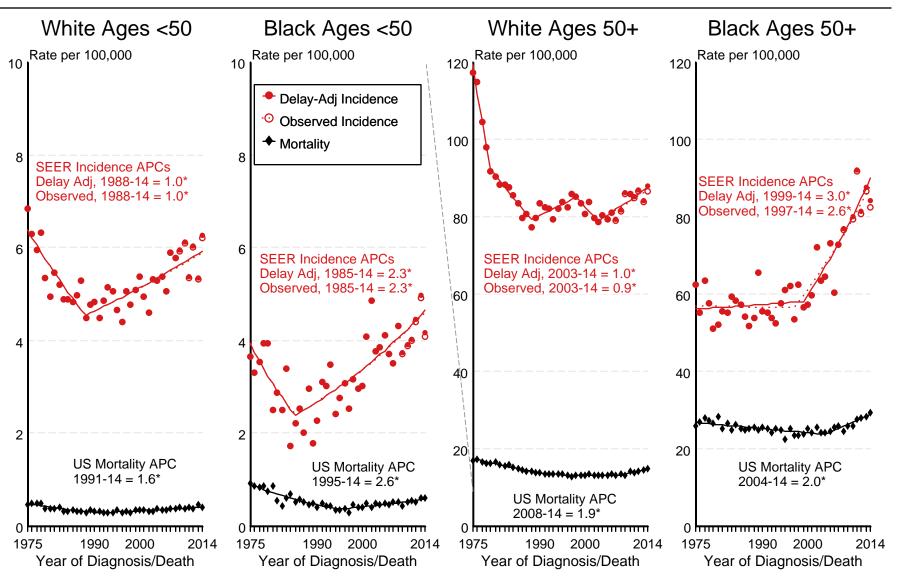
SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates^a Cancer of the Corpus and Uterus, NOS, by Race



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

^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute.
The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.

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



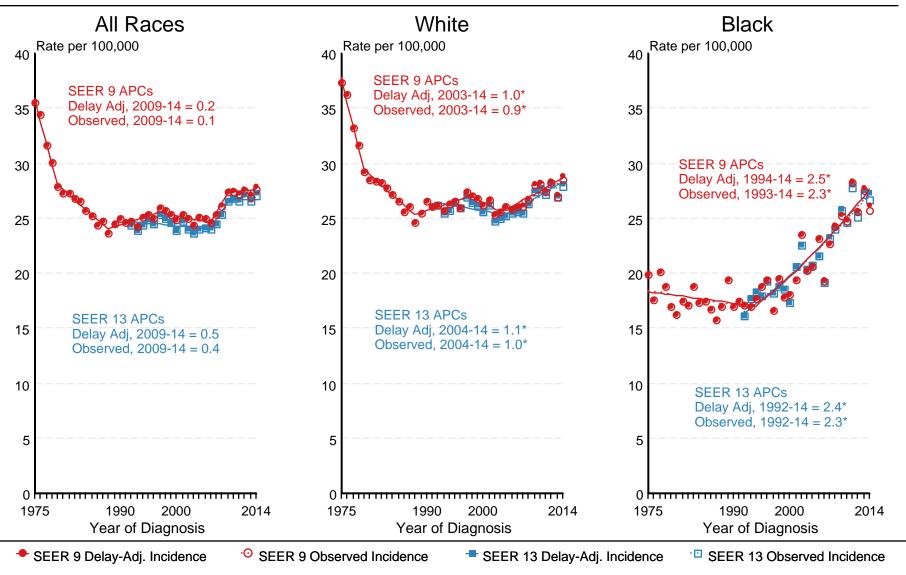
Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).

 ^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, 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 7.2

Figure 7.4

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



Source: SEER 9 areas and SEER 13 areas.

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

Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend. * The APC is significantly different from zero (p < 0.05).

Table 8.1 Cancer of the Esophagus (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Both Sexes by Race/Ethnicity

	JP Tre	nd 1	JP Tre	end 2	JP Tre	end 3	JP Tre	end 4	JP Tr	end 5	JP Tr	end 6	AAF	Cd
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14
SEER 9 Delay-Adjus	sted Inciden		/5-2014											
All Races	1975-04	0.6*	2004-14	-1.3*									-1.3*	-1.3*
White	1975-04	1.4*	2004-14	-0.6									-0.6	-0.6
Black	1975-86	1.1	1986-14	-4.5*									-4.5*	-4.5*
SEER 13 Delay-Adju	usted Incide	nce ^b , 19	92-2014											
All Races	1992-14	-0.5*											-0.5*	-0.5*
White	1992-04	1.3*	2004-14	-0.9*									-0.9*	-0.9*
Black	1992-14	-4.5*											-4.5*	-4.5*
SEER 9 Observed In	ncidence ^a , 1	975-2014	Ł											
All Races	1975-04	0.6*	2004-14	-1.4*									-1.4*	-1.4*
White	1975-04	1.4*	2004-14	-0.7									-0.7	-0.7
Black	1975-86	1.1	1986-14	-4.5*									-4.5*	-4.5*
SEER 13 Observed 1	Incidence ^b ,	1992-201	4											
All Races	1992-04	0.3	2004-14	-1.6*									-1.6*	-1.6*
White	1992-04	1.3*	2004-14	-1.0*									-1.0*	-1.0*
White NH ^{ef}	1992-04	1.7*	2004-14	-0.9*									-0.9*	-0.9*
Black	1992-14	-4.6*											-4.6*	-4.6*
Black NH ^{ef}	1992-14	-4.5*											-4.5*	-4.5*
API ^e	1992-14	-2.1*											-2.1*	-2.1*
AI/AN ^{eg}	1992-14	-1.6											-1.6	-1.6
Hispanic ^f	1992-14	-1.0*											-1.0*	-1.0*
U.S. Cancer Morta	lity ^c , 1975-	2014												
All Races	1975-02	0.7*	2002-14	-0.9*									-0.9*	-0.9*
White	1975-83	0.4*	1983-00	1.7*	2000-05	0.8*	2005-14	-0.6*					-0.6*	-0.6*
Black	1975-82	1.1*	1982-93	-1.6*	1993-14	-4.6*							-4.6*	-4.6*
U.S. Cancer Morta	lity ^c , 1992-	2014												
All Races	1992-05	0.4*	2005-14	-1.2*									-1.2*	-1.2*
White	1992-04	1.4*	2004-14										-0.5*	-0.5*
White NH ^{ef}	1992-03	1.8*	2003-14	-0.3*									-0.3*	-0.3*
Black	1992-14	-4.5*											-4.5*	-4.5*
Black NH ^{ef}	1992-14	-4.4*											-4.4*	-4.4*
API ^e	1992-14	-1.8*											-1.8*	-1.8*
AI/AN ^{eg}	1992-03	4.2*	2003-14	-1.9									-1.9	-1.9
Hispanic ^f	1992-14	-1.0*											-1.0*	-1.0*

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.

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

- Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.
- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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Table 8.2 Cancer of the Esophagus (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Males by Race/Ethnicity

	JP Tre	and 1	JP Tre	end 2	JP Tre	and 3	JP Tre	end 4	JP Tre	end 5	JP Tr	end 6	AAF	C^d
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC		2010-14
SEER 9 Delay-Adjus	ted Incide	nce ^a 197	5-2014											
All Races	1975-04	0.8*	2004-14	-1.4*									-1.4*	-1.4*
White	1975-04	1.7*	2004-14	-0.8									-0.8	-0.8
Black	1975-86	1.1	1986-14	-4.8*									-4.8*	-4.8*
SEER 13 Delay-Adju		b 10	00 0014											
All Races	1992-04	0.4	2004-14	-1.4*									-1.4*	-1.4*
White	1992-04	0.4 1.6*	2004-14 2004-14	-1.4° -0.9*									-1.4* -0.9*	-1.4*
Black	1992-04	-4.6*	2004-14	-0.9									-4.6*	-4.6*
													-4.0	-4.0
SEER 9 Observed In			-											
All Races	1975-04	0.8*	2004-14	-1.5*									-1.5*	-1.5*
White	1975-04	1.8*	2004-14	-0.9*									-0.9*	-0.9*
Black	1975-86	1.1	1986-14	-4.8*									-4.8*	-4.8*
SEER 13 Observed I	ncidence ^b ,	1992-201	.4											
All Races	1992-04	0.5	2004-14	-1.5*									-1.5*	-1.5*
White	1992-04	1.6*	2004-14	-1.0*									-1.0*	-1.0*
White NH ^{ef}	1992-04	1.9*	2004-14	-0.9*									-0.9*	-0.9*
Black	1992-14	-4.7*											-4.7*	-4.7*
Black NH ^{ef}	1992-14	-4.7*											-4.7*	-4.7*
API ^e	1992-14	-2.3*											-2.3*	-2.3*
AI/AN ^{eg}	1992-14	-2.6											-2.6	-2.6
Hispanic ^f	1992-14	-1.2*											-1.2*	-1.2*
U.S. Cancer Mortal	ity ^c , 1975-	2014												
All Races	1975-85	0.7*	1985-94	1.2*	1994-05	0.4*	2005-14	-1.1*					-1.1*	-1.1*
White	1975-82	0.3	1982-99	1.9*	1999-05	1.1*	2005-14	-0.6*					-0.6*	-0.6*
Black	1975-84	0.8*	1984-93	-1.9*	1993-14	-4.7*							-4.7*	-4.7*
U.S. Cancer Mortal	ityc 1992-	2014												
All Races	1992-05	0.5*	2005-14	-1.2*									-1.2*	-1.2*
White	1992-05	1.4*	2005-14	-0.7*									-0.7*	-0.7*
White NH ^{ef}	1992-05	1.6*	2005-14	-0.6*									-0.6*	-0.6*
Black	1992-14	-4.7*											-4.7*	-4.7*
Black NH ^{ef}	1992-14	-4.6*											-4.6*	-4.6*
API ^e	1992-14	-1.8*											-1.8*	-1.8*
AI/AN ^{eg}	1992-14	0.3											0.3	0.3
Hispanic ^f	1992-14	-1.0*											-1.0*	-1.0*

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
- API Asian/Pacific Islander, AI/AN American Indian/Alaska Native, NH Non-Hispanic
- Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.
- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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Table 8.3 Cancer of the Esophagus (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Females by Race/Ethnicity

	JP Trend 1	JP Tr	end 2	JP Tr	end 3	JP Tre	end 4	JP Tre	end 5	JP Tr	end 6	AAF	Cd
	Years APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14
SEER 9 Delay-Adju	sted Incidence ^a .	1975-2014											
All Races	1975-04 -0.3		-2.0*									-2.0*	-2.0*
White	1975-14 -0.1											-0.1	-0.1
Black	1975-81 8.5	* 1981-14	-3.2*									-3.2*	-3.2*
SEER 13 Delay-Adj	usted Incidence ^b ,	1992-2014											
All Races	1992-14 -1.3	*										-1.3*	-1.3*
White	1992-14 -0.6	*										-0.6*	-0.6*
Black	1992-14 -4.1	*										-4.1*	-4.1*
SEER 9 Observed In	ncidence ^a , 1975-2	014											
All Races	1975-04 -0.3	2004-14	-2.1*									-2.1*	-2.1*
White	1975-14 -0.1											-0.1	-0.1
Black	1975-81 8.6	* 1981-14	-3.3*									-3.3*	-3.3*
SEER 13 Observed	Incidence ^b , 1992-	2014											
All Races	1992-14 -1.3	*										-1.3*	-1.3*
White	1992-14 -0.6	*										-0.6*	-0.6*
White NH ^{ef}	1992-14 -0.4											-0.4*	-0.4*
Black	1992-14 -4.2											-4.2*	-4.2*
Black NH ^{ef}	1992-14 -4.2	*										-4.2*	-4.2*
API ^e	1992-14 -1.0											-1.0	-1.0
AI/AN ^{eg}												-	-
Hispanic ^f	1992-14 -1.1											-1.1	-1.1
U.S. Cancer Morta	lity ^c , 1975-2014												
All Races	1975-01 0.0	2001-14										-1.7*	-1.7*
White	1975-03 0.4											-1.3*	-1.3*
Black	1975-92 -0.2	1992-14	-4.1*									-4.1*	-4.1*
U.S. Cancer Morta	lity ^c , 1992-2014												
All Races	1992-01 0.0											-1.7*	-1.7*
White	1992-01 0.9											-1.1*	-1.1*
White NH ^{ef}	1992-01 1.0		-1.0*									-1.0*	-1.0*
Black	1992-14 -4.0											-4.0*	-4.0*
Black NH ^{ef}	1992-14 -4.0											-4.0*	-4.0*
API ^e	1992-14 -1.6	*										-1.6*	-1.6*
AI/AN ^{eg}	1992-14 1.9	1005	0.0.									1.9	1.9
Hispanic ^f	1992-96 10.2	1996-14	-2.3*									-2.3*	-2.3*

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

- Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).
- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
- API Asian/Pacific Islander, AI/AN American Indian/Alaska Native, NH Non-Hispanic
- Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.
- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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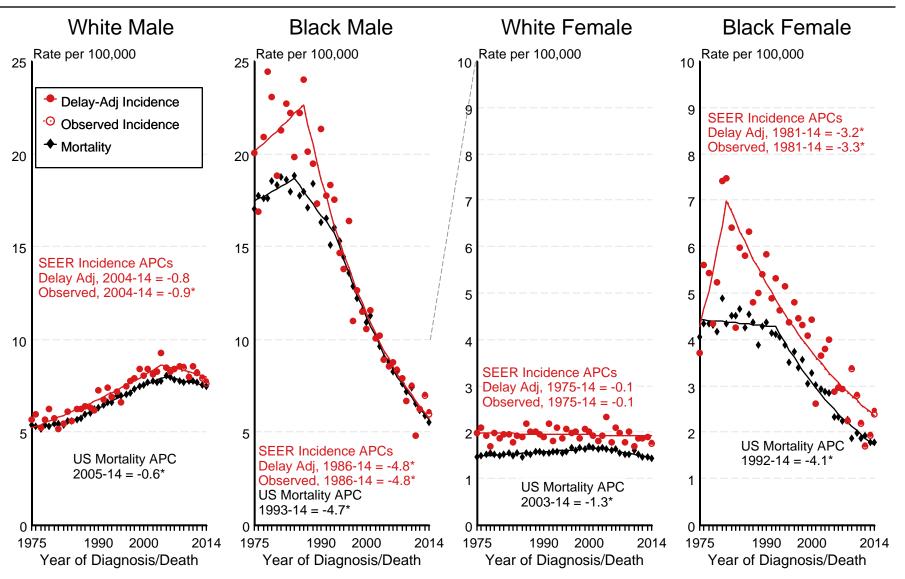
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Figure 8.1

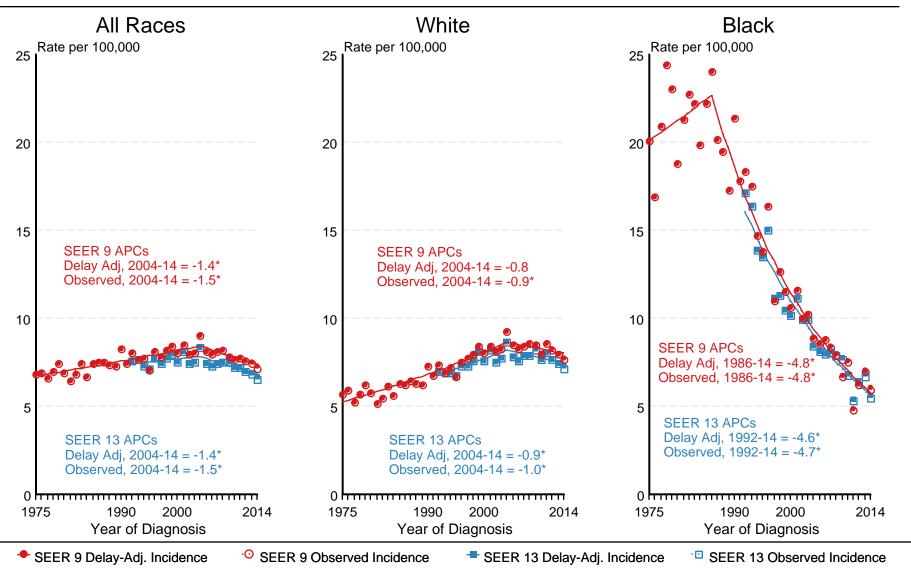
SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates^a Cancer of the Esophagus, by Race and Sex



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

 ^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, 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 8.3

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



Source: SEER 9 areas and SEER 13 areas.

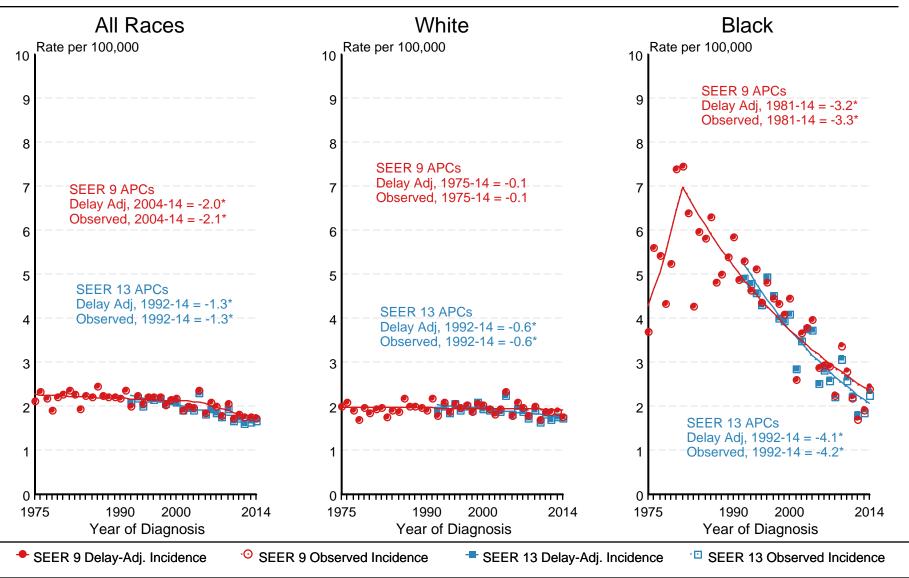
^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute.

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 8.4

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



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

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

Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4. January 2017, National Cancer Institute. The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.

National Cancer Institute

Table 9.1 Hodgkin Lymphoma

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Both Sexes by Race/Ethnicity

	JP Tre	end 1	JP Tre	end 2	JP Tre	end 3	JP Tre	end 4	JP Tre	end 5	JP Tre	end 6	AAF	C^{d}
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14
SEER 9 Delay-Adjus	ted Incider	nce ^a . 197	5-2014											
All Races	1975-89	0.3	1989-01	-0.8*	2001-07	2.0	2007-14	-2.0*					-1.1*	-2.0*
White	1975-89	0.6*	1989-01	-1.0*	2001-07	2.1	2007-14	-2.3*					-1.3*	-2.3*
Black	1975-14	1.1*											1.1*	1.1*
SEER 13 Delay-Adju	sted Incide	ence ^b , 19	92-2014											
All Races	1992-01	-0.2	2001-07	1.4	2007-14	-2.0*							-1.2*	-2.0*
White	1992-02	-0.2	2002-07	1.7	2007-14	-2.4*							-1.5*	-2.4*
Black	1992-14	0.9*											0.9*	0.9*
SEER 9 Observed In	cidence ^a . 1	975-2014	Ļ											
All Races	1975-03	-0.2*	2003-06	3.1	2006-14	-1.9*							-1.3	-1.9*
White	1975-89	0.6*	1989-01	-1.0*	2001-07	2.0	2007-14	-2.5*					-1.5*	-2.5*
Black	1975-14	1.0*											1.0*	1.0*
SEER 13 Observed I	ncidence ^b ,	1992-201	.4											
All Races	1992-07	0.5*	2007-14	-1.7*									-1.2*	-1.7*
White	1992-02	-0.2	2002-07	1.7	2007-14	-2.6*							-1.7*	-2.6*
White NH ^{ef}	1992-07	0.6*	2007-14	-2.5*									-1.8*	-2.5*
Black	1992-14	0.8*											0.8*	0.8*
Black NH ^{ef}	1992-14	0.8*											0.8*	0.8*
API ^e	1992-96	-8.6	1996-01	11.0	2001-14	0.1							0.1	0.1
AI/AN ^{eg}	-	-											-	-
Hispanic ^f	1992-14	0.0											0.0	0.0
U.S. Cancer Mortal	ity ^c , 1975-	2014												
All Races	1975-79	-6.5*	1979-98	-3.5*	1998-10	-2.3*	2010-14	-5.4*					-3.7*	-5.4*
White	1975-79	-6.3*	1979-97	-3.6*	1997-10	-2.2*	2010-14	-5.6*					-3.7*	-5.6*
Black	1975-14	-2.9*											-2.9*	-2.9*
U.S. Cancer Mortal	ity ^c , 1992-	2014												
All Races	1992-94	-7.6	1994-10	-2.4*	2010-14	-5.3*							-3.7*	-5.3*
White	1992-94	-8.2	1994-10	-2.3*	2010-14	-5.5*							-3.7*	-5.5*
White NH ^{ef}	1992-10	-2.5*	2010-14	-5.9*									-4.0*	-5.9*
Black	1992-14	-2.8*											-2.8*	-2.8*
Black NH ^{ef}	1992-14	-2.7*											-2.7*	-2.7*
API ^e	1992-14	-1.9*											-1.9*	-1.9*
AI/AN ^{eg}	-	-											-	-
Hispanic ^f	1992-14	-2.4*											-2.4*	-2.4*

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry). Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.

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

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

Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska

Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.

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

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

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

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Table 9.2 Hodgkin Lymphoma

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Males by Race/Ethnicity

	JP Trend 1	JP Tr	end 2	JP Tr	end 3	JP Tr	end 4	JP Tre	end 5	JP Tr	end 6	AAF	PC^{d}
	Years APC		APC	Years	APC	Years	APC	Years	APC	Years	APC		2010-14
SEER 9 Delay-Adjus	ted Incidence ^a	1975-2014											
All Races	1975-98 -0.'		0.2									0.2	0.2
White	1975-14 -0.4	4*										-0.4*	-0.4*
Black	1975-14 0.0	5*										0.6*	0.6*
SEER 13 Delay-Adju	atod Ingidongo ^b	1002-2014											
All Races	1992-14 0.1											0.1	0.1
White	1992-14 0.1											0.0	0.0
Black	1992-14 1.1											1.1*	1.1*
												1.1	1.1
SEER 9 Observed In													
All Races	1975-14 -0.4											-0.4*	-0.4*
White	1975-14 -0.4											-0.4*	-0.4*
Black	1975-14 0.	5*										0.5*	0.5*
SEER 13 Observed I	ncidence ^b , 1992-	-2014											
All Races	1992-07 0.	5* 2007-14	-1.3*									-0.9*	-1.3*
White	1992-14 -0.3	1										-0.1	-0.1
White NH ^{ef}	1992-14 0.0	C										0.0	0.0
Black	1992-14 0.9	9*										0.9*	0.9*
Black NH ^{ef}	1992-14 1.0) *										1.0*	1.0*
API ^e	1992-14 1.0	5*										1.6*	1.6*
AI/AN ^{eg}												-	-
Hispanic ^f	1992-14 -0.4	4										-0.4	-0.4
U.S. Cancer Mortal	$i \pm x^{c}$ 1975_2014												
All Races	1975-96 -4.0	0* 1996-14	-2 5*									-2.5*	-2.5*
White	1975-96 -4.1											-2.4*	-2.4*
Black	1975-14 -3.2		2.1									-3.2*	-3.2*
												5.2	5.2
U.S. Cancer Mortal			0 5 1									0 5 1	0 5 1
All Races	1992-94 -10.2											-2.5*	-2.5*
White	1992-94 -10.		-2.4*									-2.4*	-2.4*
White NH ^{ef}	1992-14 -2.											-2.7*	-2.7*
Black	1992-14 -3.1											-3.1*	-3.1*
Black NH ^{ef}	1992-14 -3.0											-3.0*	-3.0*
API ^e	1992-14 -2.2	2										-2.2	-2.2
AI/AN ^{eg}												-	-
Hispanic ^f	1992-14 -2.	*										-2.5*	-2.5*

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

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

- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.

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

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

- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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Table 9.3 Hodgkin Lymphoma

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Females by Race/Ethnicity

	JP Tre	nd 1	JP Tre	end 2	JP Tr	end 3	JP Tre	end 4	JP Tre	end 5	JP Tre	end 6	AAP	$^{\rm C^d}$
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	-
SEER 9 Delay-Adjus	ted Incider	uce ^a . 197	75-2014											
All Races	1975-07	0.4*	2007-14	-2.0									-1.5	-2.0
White	1975-07	0.4*	2007-14	-2.3									-1.7	-2.3
Black	1975-14	1.7*											1.7*	1.7*
SEER 13 Delay-Adju	atod Traida	ngo ^b 10	00 2014											
All Races	1992-14	-0.2	92-2014										-0.2	-0.2
White	1992-08	0.3	2008-14	-2 9*									-1.8*	-2.9*
Black	1992-14	0.5	2000 11	2.9									0.5	0.5
													0.0	010
SEER 9 Observed In			-	0.0+									1 6+	0.0*
All Races	1975-07	0.4*	2007-14										-1.6*	-2.2*
White Black	1975-07 1975-14	0.4* 1.7*	2007-14	-2.5*									-1.9* 1.7*	-2.5* 1.7*
BIACK	1975-14	1./~											1./*	1./~
<u>SEER 13 Observed I</u>	ncidence ^b ,	1992-201	_4											
All Races	1992-14	-0.3											-0.3	-0.3
White	1992-08	0.3	2008-14										-2.0*	-3.1*
White NH ^{ef}	1992-07	0.5	2007-14	-3.2*									-2.4*	-3.2*
Black	1992-14	0.4											0.4	0.4
Black NH ^{ef}	1992-14	0.5											0.5	0.5
API ^e	1992-14	1.9*											1.9*	1.9*
AI/AN ^{eg}	-	-											-	-
Hispanic ^f	1992-14	0.5											0.5	0.5
U.S. Cancer Mortal	ity ^c , 1975-	2014												
All Races	1975-84	-4.9*	1984-14	-2.8*									-2.8*	-2.8*
White	1975-85	-4.8*	1985-14	-2.7*									-2.7*	-2.7*
Black	1975-14	-2.5*											-2.5*	-2.5*
U.S. Cancer Mortal	itv ^c . 1992-	2014												
All Races	1992-14	-3.0*											-3.0*	-3.0*
White	1992-14	-2.9*											-2.9*	-2.9*
White NH ^{ef}	1992-09	-2.5*	2009-14	-6.5*									-4.7*	-6.5*
Black	1992-14	-2.6*											-2.6*	-2.6*
Black NH ^{ef}	1992-14	-2.4*											-2.4*	-2.4*
API ^e	-	-											-	-
AI/AN ^{eg}	-	-											-	-
Hispanic ^f	1992-14	-2.3*											-2.3*	-2.3*

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
- API Asian/Pacific Islander, AI/AN American Indian/Alaska Native, NH Non-Hispanic
- Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.
- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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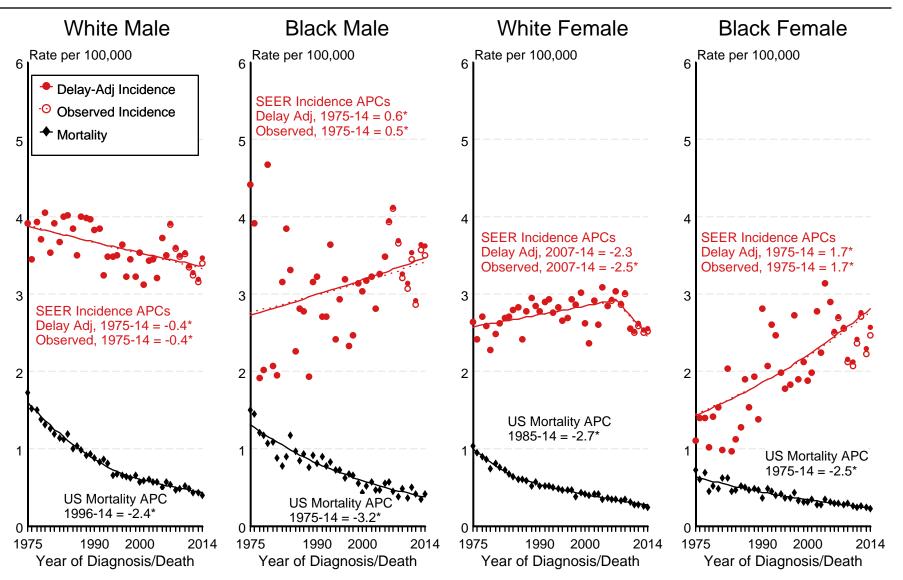
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Figure 9.1

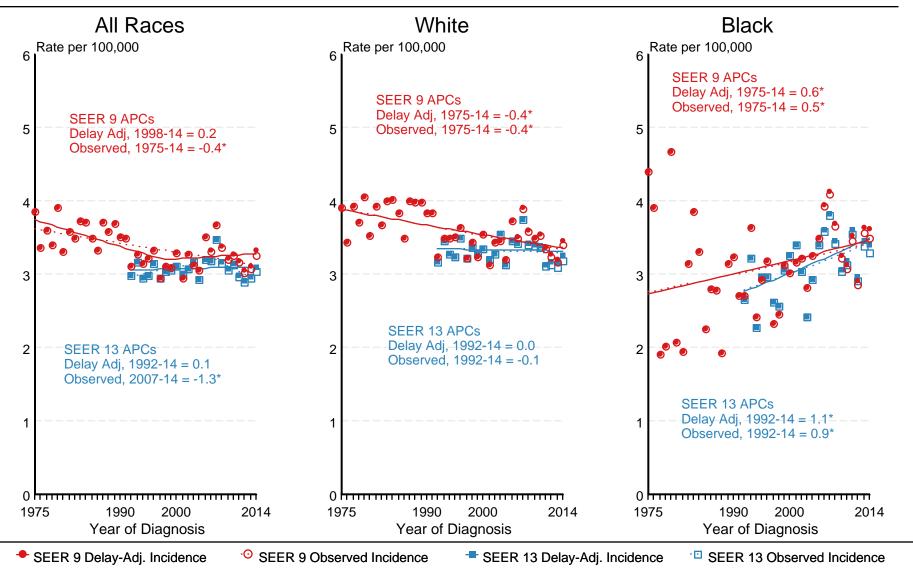
SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates^a Hodgkin Lymphoma, by Race and Sex



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

 ^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, 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 9.3

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



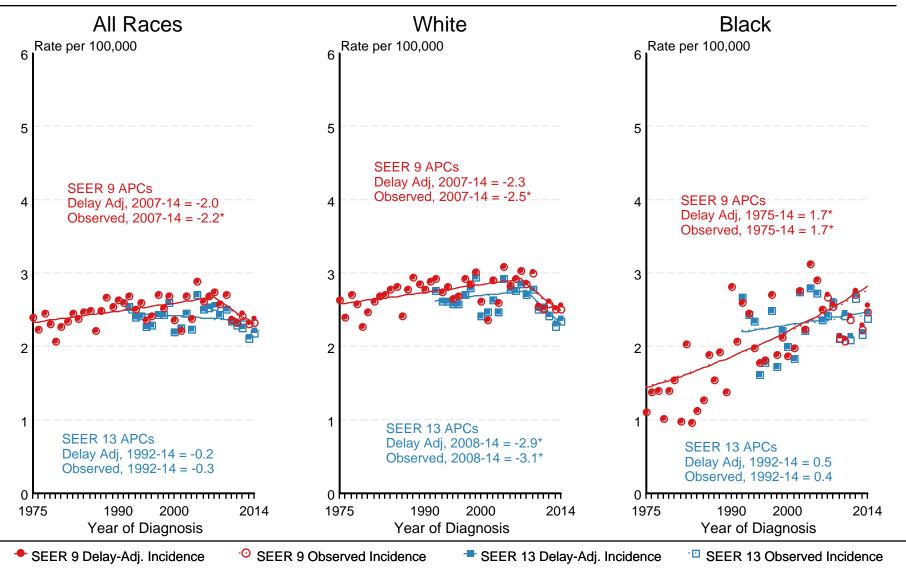
Source: SEER 9 areas and SEER 13 areas.

^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, 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 9.4

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



Source: SEER 9 areas and SEER 13 areas.

^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute.
The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.

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

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

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four 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	AAF	C^d
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14
SEER 9 Delay-Adjus	sted Incider	nce ^a 19'	75-2014											
All Races	1975-94	2.3*	1994-97	-0.5	1997-08	3.2*	2008-14	0.0					1.0*	0.0
White	1975-92	2.3*	1992-97	0.3	1997-07	3.3*	2007-14	0.3					0.9*	0.3
Black	1975-14	2.8*											2.8*	2.8*
SEER 13 Delay-Adju	sted Incide	nce ^b 10	992-2014											
All Races	1992-99	1.4*	1999-08	3.3*	2008-14	-0.1							1.0*	-0.1
White	1992-97	0.9	1997-08	3.1*	2008-14	-0.1							1.0*	-0.1
Black	1992-09	3.0*	2009-14	0.1	2000 11	0.1							1.4	0.1
SEER 9 Observed In														
All Races	1975-94	2.3*	± 1994-97	-0.5	1997-08	3.2*	2008-14	-0.5					0.7*	-0.5
White	1975-92	2.3*	1992-97	0.3	1997-07	3.3*	2007-14						0.6*	-0.1
Black	1975-09	3.0*	2009-14	-0.4	1997 07	5.5	2007 11	0.1					1.1	-0.4
SEER 13 Observed I														
All Races	1992-99	1.4*	1999-08	3.3*	2008-14	-0.6							0.7*	-0.6
White	1992-97	0.9	1997-08	3.1*	2008-14	-0.5							0.7*	-0.5
White NH ^{ef}	1992-97	0.8	1997-08	3.0*	2008-14	-0.5							0.7*	-0.5
Black	1992-09	2.9*	2009-14	-0.6	2000 11	0.5							0.9	-0.6
Black NH ^{ef}	1992-09	3.0*	2009-14	-0.5									1.0	-0.5
API ^e	1992-14	2.4*											2.4*	2.4*
AI/AN ^{eg}	1992-14	0.9											0.9	0.9
Hispanic ^f	1992-08	3.1*	2008-14	-0.6									0.6	-0.6
U.S. Cancer Mortal	itv ^c , 1975-	2014												
All Races	1975-91	1.2*	1991-02	-0.1	2002-14	-0.9*							-0.9*	-0.9*
White	1975-95	0.9*	1995-14	-0.6*									-0.6*	-0.6*
Black	1975-94	2.3*	1994-14	-0.9*									-0.9*	-0.9*
U.S. Cancer Mortal	itv ^c . 1992-	2014												
All Races	1992-02	-0.1	2002-14	-0.9*									-0.9*	-0.9*
White	1992-02	-0.1	2002-14	-0.8*									-0.8*	-0.8*
White NH ^{ef}	1992-02	-0.1	2002-14	-0.8*									-0.8*	-0.8*
Black	1992-95	3.0	1995-14	-0.9*									-0.9*	-0.9*
Black NH ^{ef}	1992-95	3.0	1995-14	-0.8*									-0.8*	-0.8*
API ^e	1992-14	0.0											0.0	0.0
AI/AN ^{eg}	1992-14	-0.1											-0.1	-0.1
Hispanic ^f	1992-04	0.8	2004-14	-1.0*									-1.0*	-1.0*

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

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

- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry). Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and 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 New Hampshire and Oklahoma.

- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Males by Race/Ethnicity

	JP Tre	end 1	JP Tre	end 2	JP Tre	end 3	JP Tre	end 4	JP Tre	end 5	JP Tr	end 6	AAP	C^d
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC		2010-14
SEER 9 Delay-Adjus	ted Incider	nce ^a , 195	75-2014											
All Races	1975-04	1.8*	2004-07	4.9	2007-14	0.5							1.4	0.5
White	1975-89	2.2*	1989-97	0.7	1997-08	2.8*	2008-14	0.3					1.1*	0.3
Black	1975-14	2.9*											2.9*	2.9*
SEER 13 Delay-Adju	atod Ingida	ongo ^b 10	02-2014											
All Races	1992-99	1.1*	1999-08	3.2*	2008-14	0.1							1.1*	0.1
White	1992-97	0.8	1997-08	2.9*	2008-14	0.1							1.0*	0.1
Black	1992-14	2.6*	1997 00	2.9	2000 11	0.1							2.6*	2.6*
													2.0	2.0
SEER 9 Observed In					0005 14	0.1								0.1
All Races	1975-04	1.8*	2004-07	4.9	2007-14	0.1							1.1	0.1
White	1975-89	2.2*	1989-97	0.7	1997-08	2.8*	2008-14	-0.2					0.8*	-0.2
Black	1975-14	2.8*											2.8*	2.8*
<u>SEER 13 Observed I</u>	ncidence ^b ,	1992-201	4											
All Races	1992-99	1.2*	1999-08	3.2*	2008-14	-0.3							0.8*	-0.3
White	1992-97	0.8	1997-08	2.9*	2008-14	-0.4							0.7*	-0.4
White NH ^{ef}	1992-09	2.4*	2009-14	-0.3									0.9*	-0.3
Black	1992-14	2.4*											2.4*	2.4*
Black NH ^{ef}	1992-14	2.5*											2.5*	2.5*
API ^e	1992-14	2.3*											2.3*	2.3*
AI/AN ^{eg}	1992-14	1.0											1.0	1.0
Hispanic ^f	1992-08	3.0*	2008-14	-1.1									0.2	-1.1
U.S. Cancer Mortal	itv ^c , 1975-	2014												
All Races	1975-91	1.1*	1991-01	-0.1	2001-14	-0.8*							-0.8*	-0.8*
White	1975-91	1.0*	1991-01	-0.1	2001-14	-0.7*							-0.7*	-0.7*
Black	1975-91	3.1*	1991-14	-0.6*									-0.6*	-0.6*
U.S. Cancer Mortal	iter ^c 1000	2014												
All Races	1992-01	-0.1	2001-14	-0.8*									-0.8*	-0.8*
White	1992-01	-0.1	2001-14	-0.7*									-0.7*	-0.7*
White NH ^{ef}	1992-14	-0.5*	2001 11	0.7									-0.5*	-0.5*
Black	1992-14	-0.6*											-0.6*	-0.6*
Black NH ^{ef}	1992-14	-0.5*											-0.5*	-0.5*
API ^e	1992-14	0.2											0.2	0.2
AI/AN ^{eg}	1992-14	-0.3											-0.3	-0.3
Hispanic ^f	1992-14	-0.3											-0.3	-0.3
- F														

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
- API Asian/Pacific Islander, AI/AN American Indian/Alaska Native, NH Non-Hispanic
- Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.
- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Females 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	AAF	C^{d}
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC		2010-14
SEER 9 Delay-Adjus	ted Incider	10e ^a 19 [°]	75-2014											
All Races	1975-93	2.7*	1993-99	0.7	1999-07	3.9*	2007-14	-0.6					0.4	-0.6
White	1975-92	2.8*	1992-99	0.7	1999-06	4.3*	2006-14	-0.2					0.3	-0.2
Black	1975-08	3.0*	2008-14	-1.1									0.2	-1.1
		h												
SEER 13 Delay-Adju				2 5+	0005 14	0 0							0 6	0 0
All Races	1992-00	1.6*	2000-07	3.7*	2007-14	-0.3							0.6	-0.3
White	1992-99	1.3	1999-07	3.7*	2007-14	-0.3							0.6	-0.3
Black	1992-14	2.1*											2.1*	2.1*
SEER 9 Observed In	ncidence ^a , 1	975-2014	1											
All Races	1975-93	2.7*	1993-99	0.7	1999-07	3.9*	2007-14	-1.0					0.1	-1.0
White	1975-92	2.8*	1992-99	0.7	1999-06	4.4*	2006-14	-0.6					0.0	-0.6
Black	1975-08	3.0*	2008-14	-1.7									-0.1	-1.7
SEER 13 Observed I	naidonao ^b	1002 207	1.4											
All Races	1992-98	1.2	1998-08	3.2*	2008-14	-1.1							0.3	-1.1
White	1992-98	1.2	1998-08	3.2* 3.7*	2008-14	-1.1							0.3	-1.1
White NH ^{ef}	1992-99	0.0	1997-07	3.4*	2007-14	-0.9							0.0	-0.9
Black	1992-97	2.8*	2009-14	-2.0	2007-14	-0.9							0.0	-0.9
Black NH ^{ef}	1992-09	2.0*	2009-14	-2.0									0.1	-2.0
API ^e	1992-09	2.9"	2009-14	-2.0									2.6*	2.6*
API AI/AN ^{eg}	1992-14	2.0"											0.7	0.7
Hispanic ^f	1992-14	2.7*	2012-14	-6.4									0.7	-1.9
HISPAILIC	1992-12	2.1"	2012-14	-0.4									0.0	-1.9
<u>U.S. Cancer Mortal</u>	ity ^c , 1975-	2014												
All Races	1975-95	1.1*	1995-14	-1.1*									-1.1*	-1.1*
White	1975-95	1.1*	1995-14	-1.0*									-1.0*	-1.0*
Black	1975-95	2.3*	1995-14	-1.2*									-1.2*	-1.2*
U.S. Cancer Mortal	ity ^c 1992-	2014												
All Races	1992-05	-0.4*	2005-14	-1.6*									-1.6*	-1.6*
White	1992-05	-0.4*	2005-14	-1.6*									-1.6*	-1.6*
White NH ^{ef}	1992-05	-0.4	2005-14	-1.6*									-1.6*	-1.6*
Black	1992-11	-0.5*	2011-14	-5.8									-2.3*	-4.5
Black NH ^{ef}	1992-11	-0.5*	2011-14	-5.5									-2.2	-4.2
API ^e	1992-14	-0.4											-0.4	-0.4
AI/AN ^{eg}	1992-14	-0.4											-0.4	-0.4
Hispanic ^f	1992-14	-0.1											-0.1	-0.1
	1770 II	· · -											0.1	0.1

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

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

- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
- API Asian/Pacific Islander, AI/AN American Indian/Alaska Native, NH Non-Hispanic
- Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.
- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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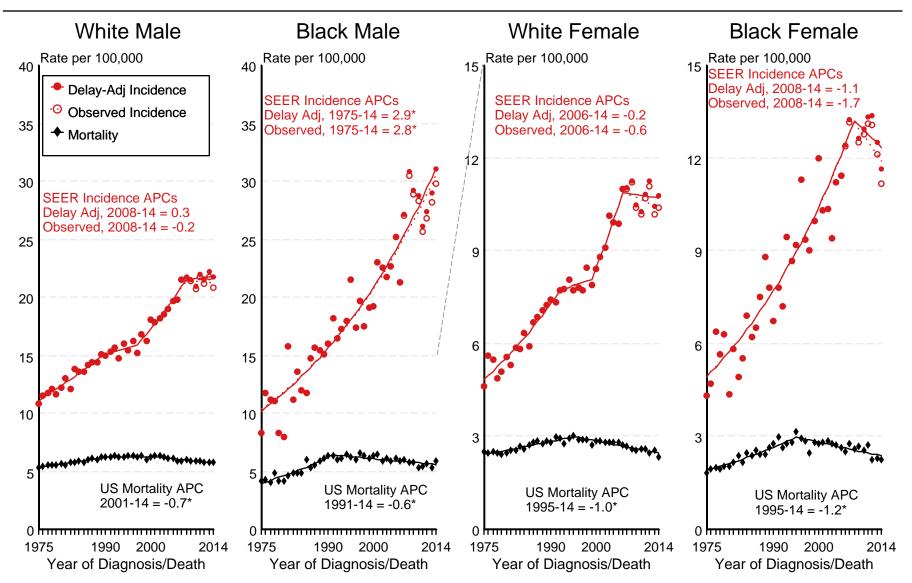
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Figure 11.1

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



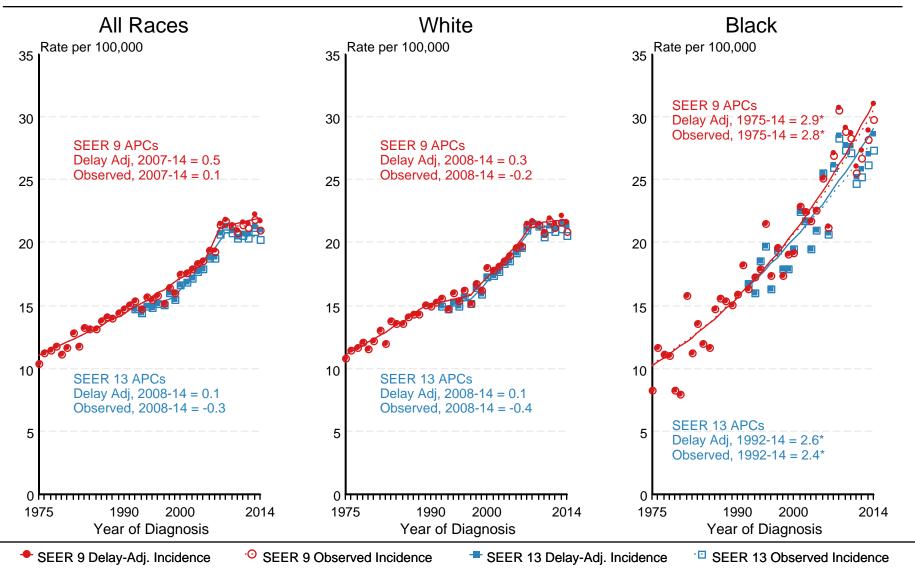
Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).

^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, 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 11.3

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

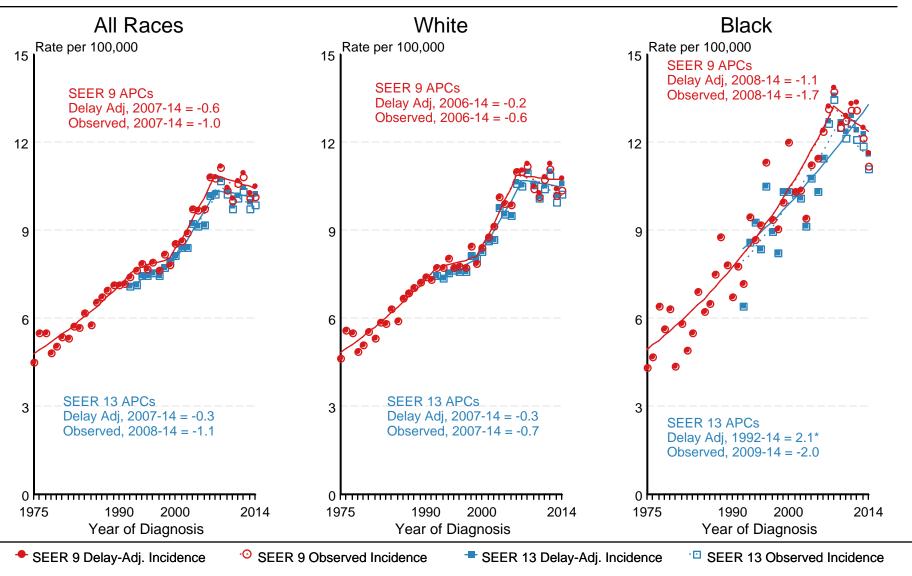


Source: SEER 9 areas and SEER 13 areas.

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

Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, 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 11.4

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



Source: SEER 9 areas and SEER 13 areas.

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

Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend. * The APC is significantly different from zero (p < 0.05).

Table 12.1 Cancer of the Larynx (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Both Sexes by Race/Ethnicity

	JP Trend 1		JP Trend 2		JP Tr	JP Trend 3		JP Trend 4		end 5	JP Tr	end 6	AAP	APC ^d	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC		2010-14	
	ted Incide	nce ^a 195	75-2014												
All Races	1975-88	0.0	1988-14	-2.4*									-2.4*	-2.4*	
White	1975-87	0.1	1987-14	-2.3*									-2.3*	-2.3*	
Black	1975-90	1.3*	1990-14	-3.0*									-3.0*	-3.0*	
<u>SEER 13 Delay-Adju</u>	atod Ingid	ongo ^b 10	00 2014												
All Races	1992-14	-2.6*	92-2014										-2.6*	-2.6*	
White	1992-14	-2.3*											-2.3*	-2.3*	
Black	1992-14	-3.4*											-3.4*	-3.4*	
													5.1	5.1	
SEER 9 Observed In				o										a 41	
All Races	1975-88	0.0	1988-14										-2.4*	-2.4*	
White Black	1975-87	0.1 1.3*	1987-14 1990-14	-2.3*									-2.3* -3.0*	-2.3*	
BIACK	1975-90	1.3*	1990-14	-3.0*									-3.0*	-3.0*	
<u>SEER 13 Observed I</u>	ncidence ^b ,	1992-201	L <u>4</u>												
All Races	1992-14	-2.7*											-2.7*	-2.7*	
White	1992-14	-2.4*											-2.4*	-2.4*	
White NH ^{ef}	1992-14	-2.3*											-2.3*	-2.3*	
Black	1992-14	-3.4*											-3.4*	-3.4*	
Black NH ^{ef}	1992-14	-3.4*											-3.4*	-3.4*	
API ^e	1992-14	-3.3*											-3.3*	-3.3*	
AI/AN ^{eg}	1992-14	-0.2											-0.2	-0.2	
Hispanic ^f	1992-14	-1.9*											-1.9*	-1.9*	
U.S. Cancer Mortal	ity ^c , 1975-	2014													
All Races	1975-94	-0.4*	1994-14	-2.3*									-2.3*	-2.3*	
White	1975-94	-0.7*	1994-14	-1.9*									-1.9*	-1.9*	
Black	1975-94	1.1*	1994-14	-3.5*									-3.5*	-3.5*	
U.S. Cancer Mortal	ity ^c 1992-	2014													
All Races	1992-14	-2.2*											-2.2*	-2.2*	
White	1992-14	-1.9*											-1.9*	-1.9*	
White NH ^{ef}	1992-14	-1.8*											-1.8*	-1.8*	
Black	1992-14	-3.4*											-3.4*	-3.4*	
Black NH ^{ef}	1992-14	-3.3*											-3.3*	-3.3*	
API ^e	1992-14	-2.2*											-2.2*	-2.2*	
AI/AN ^{eg}	1992-14	-2.4											-2.4	-2.4	
Hispanic ^f	1992-14	-2.6*											-2.6*	-2.6*	

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

- Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).
- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
- API Asian/Pacific Islander, AI/AN American Indian/Alaska Native, NH Non-Hispanic
- Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.
- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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Table 12.2 Cancer of the Larynx (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Males by Race/Ethnicity

	JP Tren	nd 1	JP Trend 2		JP Tre	end 3	JP Tre	end 4	JP Tre	end 5	JP Tre	end 6	AAF	C^{d}
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14
SEER 9 Delay-Adju	sted Inciden	ce ^a . 197	75-2014											
All Races	1975-86	0.0	1986-14	-2.4*									-2.4*	-2.4*
White	1975-85	0.1	1985-14	-2.4*									-2.4*	-2.4*
Black	1975-90	1.0	1990-14	-2.8*									-2.8*	-2.8*
SEER 13 Delay-Adj	usted Incide	nce ^b , 19	92-2014											
All Races		-2.6*	90 0011										-2.6*	-2.6*
White	1992-02	-3.1*	2002-14	-1.9*									-1.9*	-1.9*
Black	1992-14	-3.4*											-3.4*	-3.4*
SEER 9 Observed I	ncidence ^a , 19	975-2014	Ł											
All Races	1975-87	-0.2	- 1987-14	-2.5*									-2.5*	-2.5*
White	1975-85	0.2	1985-14	-2.4*									-2.4*	-2.4*
Black	1975-90	1.0	1990-14	-2.9*									-2.9*	-2.9*
SEER 13 Observed	Incidence ^b , 1	1992-201	.4											
All Races	1992-14	-2.7*											-2.7*	-2.7*
White	1992-03	-3.2*	2003-07	-0.3	2007-14	-2.9*							-2.4*	-2.9*
White NH ^{ef}	1992-14	-2.4*											-2.4*	-2.4*
Black	1992-14	-3.4*											-3.4*	-3.4*
Black NH ^{ef}	1992-14	-3.4*											-3.4*	-3.4*
API ^e	1992-14	-3.1*											-3.1*	-3.1*
AI/AN ^{eg}	1992-14	0.2											0.2	0.2
Hispanic ^f	1992-14	-1.8*											-1.8*	-1.8*
U.S. Cancer Morta	lity ^c , 1975-2	2014												
All Races		-0.8*	1994-14										-2.5*	-2.5*
White		-1.1*	1993-14										-2.2*	-2.2*
Black	1975-94	1.2*	1994-14	-3.6*									-3.6*	-3.6*
U.S. Cancer Morta		2014												
All Races		-2.5*											-2.5*	-2.5*
White		-2.2*											-2.2*	-2.2*
White NH ^{ef}		-2.1*											-2.1*	-2.1*
Black		-3.4*											-3.4*	-3.4*
Black NH ^{ef}		-3.3*											-3.3*	-3.3*
API ^e		-1.7*											-1.7*	-1.7*
AI/AN ^{eg}	1992-14	-1.4											-1.4	-1.4
Hispanic ^f	1992-14	-2.8*											-2.8*	-2.8*

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

- Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).
- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
- API Asian/Pacific Islander, AI/AN American Indian/Alaska Native, NH Non-Hispanic
- Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.
- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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Table 12.3 Cancer of the Larynx (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Females by Race/Ethnicity

	JP Tre	end 1	1 JP Trend 2		JP Tr	end 3	JP Tr	end 4	JP Tre	end 5	JP Tr	end 6	AAP	C^{d}
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14
SEER 9 Delay-Adju	usted Incider	nce ^a , 197	75-2014											
All Races	1975-89	1.8*	1989-14	-2.6*									-2.6*	-2.6*
White	1975-89	1.6*	1989-14	-2.3*									-2.3*	-2.3*
Black	1975-89	4.1*	1989-14	-3.0*									-3.0*	-3.0*
SEER 13 Delay-Ad-	usted Incide	ence ^b , 10	992-2014											
All Races		-3.1*	<u>, , , , , , , , , , , , , , , , , , , </u>										-3.1*	-3.1*
White	1992-14	-2.8*											-2.8*	-2.8*
Black	1992-14	-3.3*											-3.3*	-3.3*
SEER 9 Observed I	ncidence ^a . 1	975-2014	1											
All Races	1975-89	1.8*	1989-14	-2.6*									-2.6*	-2.6*
White	1975-89	1.6*	1989-14	-2.4*									-2.4*	-2.4*
Black	1975-89	4.1*	1989-14	-3.1*									-3.1*	-3.1*
SEER 13 Observed	Incidence ^b .	1992-201	14											
All Races	1992-14	-3.1*	_										-3.1*	-3.1*
White	1992-14	-2.9*											-2.9*	-2.9*
White NH ^{ef}	1992-14	-2.6*											-2.6*	-2.6*
Black	1992-14	-3.3*											-3.3*	-3.3*
Black NH ^{ef}	1992-14	-3.3*											-3.3*	-3.3*
API ^e	1992-14	-3.0*											-3.0*	-3.0*
AI/AN ^{eg}	-	-											-	-
Hispanic ^f	1992-14	-3.0*											-3.0*	-3.0*
U.S. Cancer Morta	lity ^c , 1975-	2014												
All Races	1975-93	1.5*	1993-14	-2.3*									-2.3*	-2.3*
White	1975-92	1.5*	1992-14	-1.8*									-1.8*	-1.8*
Black	1975-93	2.3*	1993-14	-3.3*									-3.3*	-3.3*
U.S. Cancer Morta	lity ^c , 1992-	2014												
All Races	1992-14	-2.2*											-2.2*	-2.2*
White	1992-14	-1.9*											-1.9*	-1.9*
White NH ^{ef}	1992-14	-1.7*											-1.7*	-1.7*
Black	1992-14	-3.2*											-3.2*	-3.2*
Black NH ^{ef}	1992-14	-3.2*											-3.2*	-3.2*
API ^e	1992-14	-4.3*											-4.3*	-4.3*
AI/AN ^{eg}	-	-											-	-
Hispanic ^f	1992-14	-2.6*											-2.6*	-2.6*

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

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

- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.

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

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

- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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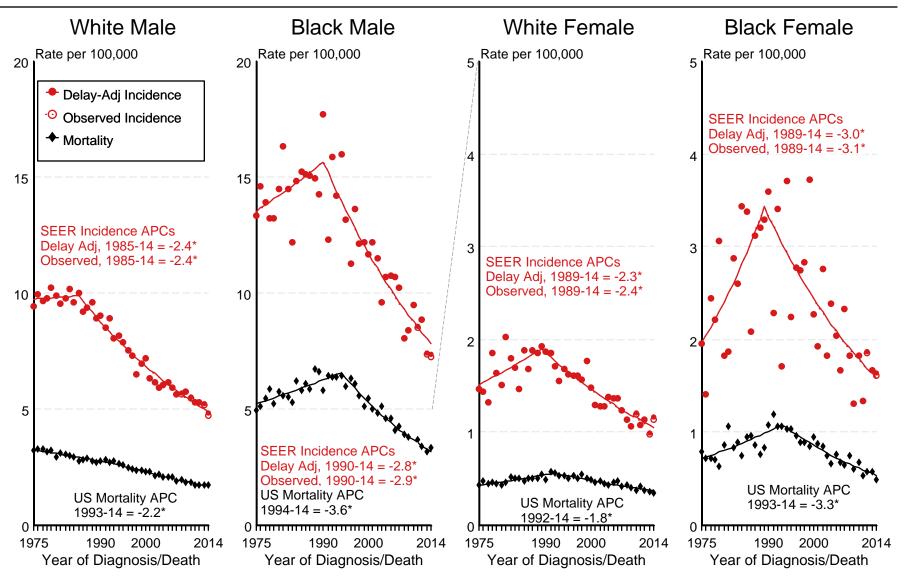
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Figure 12.1

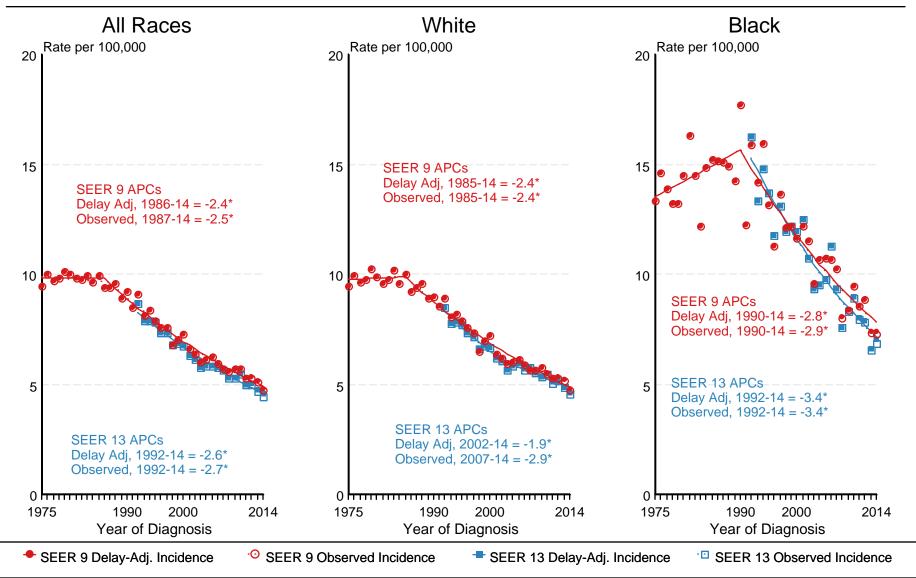
SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates^a Cancer of the Larynx, by Race and Sex



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

 ^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, 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 12.3

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



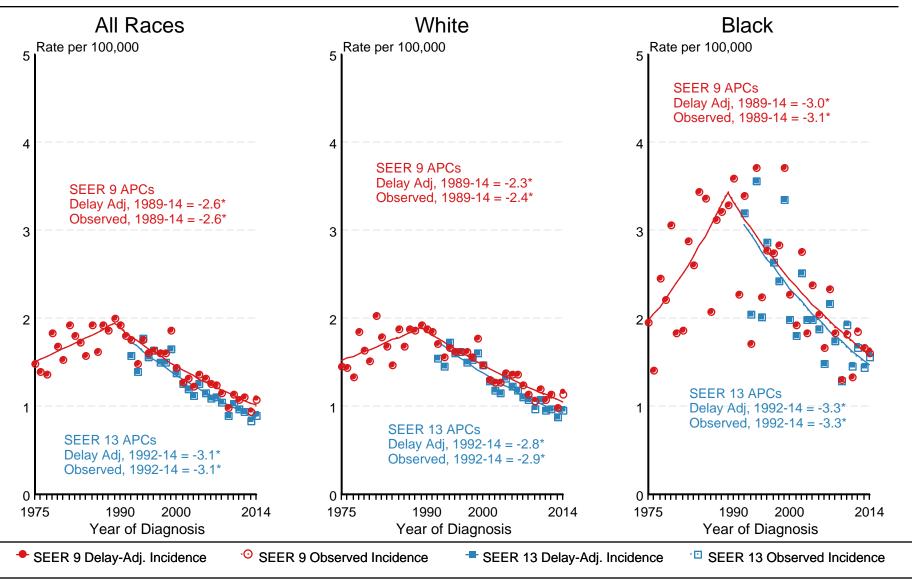
Source: SEER 9 areas and SEER 13 areas.

^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, 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 12.4

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



Source: SEER 9 areas and SEER 13 areas.

^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.

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

Table 13.1 Leukemia

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Both Sexes by Race/Ethnicity

	JP Trend 1		JP Tre	end 2	JP Tre	end 3	JP Tre	end 4	JP Tre	end 5	JP Tre	end 6	AAP	Cd
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14
SEER 9 Delay-Adjus	sted Incider	uce ^a . 197	5-2014											
All Races	1975-06	0.3*	2006-14	1.7*									1.6*	1.7*
White	1975-05	0.4*	2005-14	1.7*									1.7*	1.7*
Black	1975-14	0.3											0.3	0.3
SEER 13 Delay-Adju	usted Incide	ence ^b , 19	92-2014											
All Races	1992-05	0.3*	2005-14	1.3*									1.3*	1.3*
White	1992-04	0.4*	2004-14	1.4*									1.4*	1.4*
Black	1992-14	0.7*											0.7*	0.7*
SEER 9 Observed In	ncidenceª, 1	975-2014	ł											
All Races	1975-14	0.3*	-										0.3*	0.3*
White	1975-14	0.4*											0.4*	0.4*
Black	1975-14	0.0											0.0	0.0
SEER 13 Observed 1	Incidence ^b ,	1992-201	.4											
All Races	1992-14	0.3*											0.3*	0.3*
White	1992-14	0.4*											0.4*	0.4*
White NH ^{ef}	1992-14	0.5*											0.5*	0.5*
Black	1992-14	0.2											0.2	0.2
Black NH ^{ef}	1992-14	0.2											0.2	0.2
API ^e	1992-14	-0.1											-0.1	-0.1
AI/AN ^{eg}	1992-14	1.7											1.7	1.7
Hispanic ^f	1992-14	0.5*											0.5*	0.5*
U.S. Cancer Mortal	lity ^c , 1975-	2014												
All Races	1975-80	0.6	1980-88	-0.6*	1988-91	0.7	1991-01	-0.5*	2001-14	-1.0*			-1.0*	-1.0*
White	1975-80	0.5	1980-88	-0.7*	1988-91	0.7	1991-01	-0.4*	2001-14	-0.9*			-0.9*	-0.9*
Black	1975-93	0.5*	1993-14	-1.3*									-1.3*	-1.3*
U.S. Cancer Mortal	lity ^c , 1992-	2014												
All Races	1992-01	-0.5*	2001-14	-1.0*									-1.0*	-1.0*
White	1992-01	-0.4*	2001-14	-0.9*									-0.9*	-0.9*
White NH ^{ef}	1992-01	-0.3*	2001-14	-0.9*									-0.9*	-0.9*
Black	1992-14	-1.3*											-1.3*	-1.3*
Black NH ^{ef}	1992-14	-1.2*											-1.2*	-1.2*
API ^e	1992-07	-1.4*	2007-11	3.1	2011-14	-5.6							-0.9	-3.5
AI/AN ^{eg}	1992-14	-0.5											-0.5	-0.5
Hispanic ^f	1992-14	-0.4*											-0.4*	-0.4*

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
- API Asian/Pacific Islander, AI/AN American Indian/Alaska Native, NH Non-Hispanic
- Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.
- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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Table 13.2 Leukemia

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Males by Race/Ethnicity

	JP Tre	nd 1	JP Trend 2		JP Tre	end 3	JP Trend 4		JP Trend 5		JP Trend 6		AAPC ^d	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14
SEER 9 Delay-Adjus	sted Incider	nce ^a , 197	5-2014											
All Races	1975-06	0.2*	2006-14	1.6*									1.5*	1.6*
White	1975-06	0.3*	2006-14	1.7*									1.5*	1.7*
Black	1975-14	0.3											0.3	0.3
SEER 13 Delay-Adju	usted Incide	ence ^b , 19	92-2014											
All Races	1992-06	0.2	2006-14	1.3*									1.1*	1.3*
White	1992-14	0.7*											0.7*	0.7*
Black	1992-14	0.8*											0.8*	0.8*
SEER 9 Observed In	ncidenceª, 1	975-2014												
All Races	1975-14	0.2*	-										0.2*	0.2*
White	1975-14	0.2*											0.2*	0.2*
Black	1975-14	0.0											0.0	0.0
SEER 13 Observed 1	Incidence ^b ,	1992-201	.4											
All Races	1992-14	0.1											0.1	0.1
White	1992-14	0.2*											0.2*	0.2*
White NH ^{ef}	1992-14	0.3*											0.3*	0.3*
Black	1992-14	0.2											0.2	0.2
Black NH ^{ef}	1992-14	0.3											0.3	0.3
API ^e	1992-14	-0.1											-0.1	-0.1
AI/AN ^{eg}	1992-14	2.4*											2.4*	2.4*
Hispanic ^f	1992-14	0.2											0.2	0.2
U.S. Cancer Mortal	lity ^c , 1975-	2014												
All Races	1975-80	0.5	1980-87	-0.7*	1987-95	0.2	1995-14	-0.9*					-0.9*	-0.9*
White	1975-01	-0.3*	2001-14	-0.9*									-0.9*	-0.9*
Black	1975-91	1.0*	1991-14	-1.3*									-1.3*	-1.3*
U.S. Cancer Mortal	lity ^c , 1992-	2014												
All Races	1992-02	-0.6*	2002-14	-1.0*									-1.0*	-1.0*
White	1992-14	-0.7*											-0.7*	-0.7*
White NH ^{ef}	1992-14	-0.7*											-0.7*	-0.7*
Black	1992-14	-1.3*											-1.3*	-1.3*
Black NH ^{ef}	1992-14	-1.2*											-1.2*	-1.2*
API ^e	1992-14	-0.7*											-0.7*	-0.7*
AI/AN ^{eg}	1992-14	-0.2											-0.2	-0.2
Hispanic ^f	1992-14	-0.4*											-0.4*	-0.4*

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
- API Asian/Pacific Islander, AI/AN American Indian/Alaska Native, NH Non-Hispanic
- Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.
- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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Table 13.3 Leukemia

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Females by Race/Ethnicity

	JP Tre	JP Trend 1		JP Trend 2		end 3	JP Tr	end 4	JP Tre	end 5	JP Tr	end 6	AAF	APC ^d	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC		2010-14	
SEER 9 Delay-Adjus	sted Incider	nce ^a 195	75-2014												
All Races	1975-99	0.2	1999-14	1.1*									1.1*	1.1*	
White	1975-04	0.4*	2004-14	1.7*									1.7*	1.7*	
Black	1975-14	0.3											0.3	0.3	
<u>SEER 13 Delay-Adju</u>	usted Incide	ence ^b , 10	92-2014												
All Races	1992-14	0.7*	2011										0.7*	0.7*	
White	1992-14	0.9*											0.9*	0.9*	
Black	1992-14	0.7*											0.7*	0.7*	
SEER 9 Observed Ir	ncidence ^a , 1	975-2014	Ł												
All Races	1975-14	0.3*	-										0.3*	0.3*	
White	1975-14	0.5*											0.5*	0.5*	
Black	1975-14	0.1											0.1	0.1	
SEER 13 Observed 1	Incidence ^b ,	1992-201	.4												
All Races	1992-14	0.3*											0.3*	0.3*	
White	1992-14	0.5*											0.5*	0.5*	
White NH ^{ef}	1992-14	0.5*											0.5*	0.5*	
Black	1992-14	0.2											0.2	0.2	
Black NH ^{ef}	1992-14	0.2											0.2	0.2	
API ^e	1992-14	-0.1											-0.1	-0.1	
AI/AN ^{eg}	1992-14	1.3											1.3	1.3	
Hispanic ^f	1992-14	0.7*											0.7*	0.7*	
U.S. Cancer Mortal	lity ^c , 1975-	2014													
All Races	1975-80	0.7	1980-99	-0.4*	1999-14	-1.2*							-1.2*	-1.2*	
White	1975-80	0.7	1980-00	-0.4*	2000-14	-1.1*							-1.1*	-1.1*	
Black	1975-93	0.4*	1993-14	-1.3*									-1.3*	-1.3*	
U.S. Cancer Mortal															
All Races	1992-00	-0.5*	2000-14	-1.2*									-1.2*	-1.2*	
White	1992-00	-0.4*	2000-14	-1.1*									-1.1*	-1.1*	
White NH ^{ef}	1992-00	-0.3	2000-14	-1.1*									-1.1*	-1.1*	
Black	1992-14	-1.2*											-1.2*	-1.2*	
Black NH ^{ef}	1992-14	-1.2*											-1.2*	-1.2*	
API ^e	1992-14	-0.8*											-0.8*	-0.8*	
AI/AN ^{eg}	1992-14	-1.0											-1.0	-1.0	
Hispanic ^f	1992-14	-0.5*											-0.5*	-0.5*	

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
- API Asian/Pacific Islander, AI/AN American Indian/Alaska Native, NH Non-Hispanic
- Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.
- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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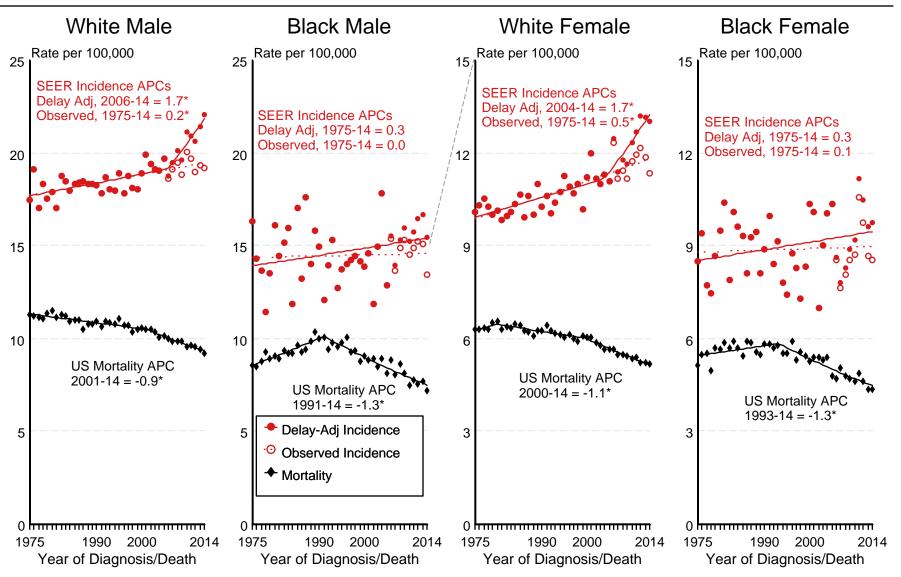
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SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates^a Leukemia, by Race and Sex



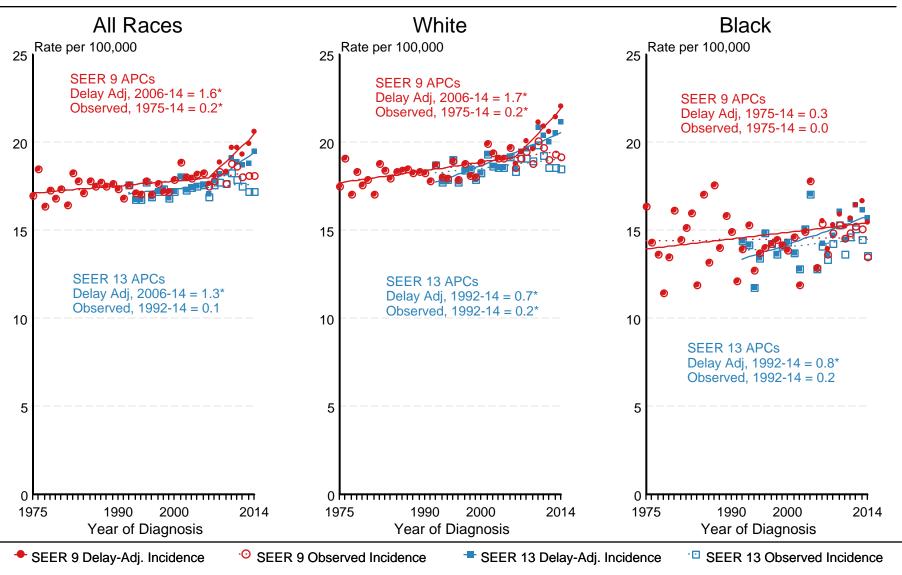
Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).

 ^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, 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 13.1

Figure 13.4

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

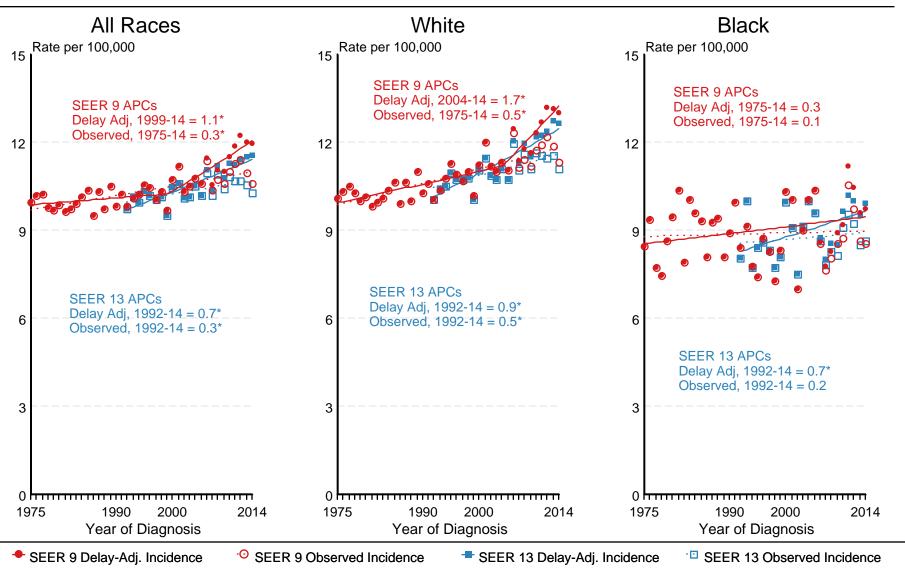


Source: SEER 9 areas and SEER 13 areas.

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

Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, 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 13.5

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



Source: SEER 9 areas and SEER 13 areas.

^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4. January 2017, National Cancer Institute.

The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.

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

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

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four 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	AAF	Cd
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14
SEER 9 Delay-Adjus	ted Incider	nce ^a , 197	75-2014											
All Races	1975-84	1.3*	1984-98	4.8*	1998-01	0.2	2001-09	4.7*	2009-14	2.0*			3.2*	2.0*
White	1975-87	1.6*	1987-98	5.3*	1998-01	-0.1	2001-14	4.4*					4.4*	4.4*
Black	1975-02	2.9*	2002-09	6.3*	2009-14	-0.5							2.5*	-0.5
<u>SEER 13 Delay-Adju</u>	sted Incide	ence ^b , 19	992-2014											
All Races	1992-99	5.1*	1999-02	0.5	2002-09	4.5*	2009-14	1.1					2.6*	1.1
White	1992-99	5.5*	1999-02	-0.6	2002-09	5.4*	2009-14	2.2*					3.6*	2.2*
Black	1992-12	4.0*	2012-14	-5.0									1.9	-0.6
SEER 9 Observed In	cidence ^a , 1	.975-2014	1											
All Races	1975-84	1.3		4.8*	1998-01	0.6	2001-11	4.3*	2011-14	-0.5			2.7*	0.6
White	1975-87	1.6*	1987-98	5.4*	1998-01	-0.9	2001-11	4.9*	2011-14	0.6			3.4*	1.7
Black	1975-82	-1.2	1982-12	3.9*	2012-14	-6.3							1.5	-1.3
SEER 13 Observed I	ncidence ^b ,	1992-201	L <u>4</u>											
All Races	1992-99	5.1*	1999-02	0.3	2002-07	4.9*	2007-12	2.5*	2012-14	-2.5			1.9*	-0.1
White	1992-99	5.5*	1999-02	-0.8	2002-07	5.8*	2007-12	3.6*	2012-14	-1.8			2.9*	0.9
White NH ^{ef}	1992-99	5.3*	1999-02	-2.1	2002-08	5.9*	2008-14	2.2*					3.4*	2.2*
Black	1992-12	3.9*	2012-14	-6.8									1.4	-1.6
Black NH^{ef}	1992-12	4.0*	2012-14	-6.7									1.5	-1.5
API ^e	1992-07	1.2*	2007-14	-2.8*									-1.9*	-2.8*
AI/AN ^{eg}	1992-14	2.4*											2.4*	2.4*
Hispanic ^f	1992-12	3.2*	2012-14	-6.9									0.9	-1.9
U.S. Cancer Mortal	± /													
All Races	1975-80	0.2	1980-87	2.0*	1987-96	3.8*	1996-00	0.7	2000-14	2.6*			2.6*	2.6*
White	1975-78	-1.2	1978-87	1.6*	1987-96	3.9*	1996-00	0.6	2000-14	2.7*			2.7*	2.7*
Black	1975-88	0.8*	1988-95	3.2*	1995-00	0.4	2000-14	2.4*					2.4*	2.4*
U.S. Cancer Mortal														
All Races	1992-96	3.5*	1996-99	0.7	1999-08	2.2*	2008-12	3.3*	2012-14	1.2			2.5*	2.3*
White	1992-96	3.5*	1996-99	0.6	1999-08	2.4*	2008-12	3.5*	2012-14	1.4			2.7*	2.5*
White NH ^{ef}	1992-96	3.7*	1996-99	0.1	1999-08	2.2*	2008-12	3.6*	2012-14	1.5			2.7*	2.5*
Black	1992-01	1.3*	2001-14	2.4*									2.4*	2.4*
Black NH ^{ef}	1992-01	1.4*	2001-14	2.5*									2.5*	2.5*
API ^e	1992-14	-0.8*											-0.8*	-0.8*
AI/AN ^{eg}	1992-14	2.2*											2.2*	2.2*
Hispanic ^f	1992-14	1.8*											1.8*	1.8*

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

- Trends are from the SEER 9 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
- API Asian/Pacific Islander, AI/AN American Indian/Alaska Native, NH Non-Hispanic
- Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.
- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints,

Males by Race/Ethnicity

	JP Tre	nd 1	JP Tre	end 2	JP Tre	end 3	JP Tre	end 4	JP Tre	end 5	JP Tr	end 6	AAF	PCd
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14
SEER 9 Delay-Adjus	ted Incider	nce ^a , 197	5-2014											
All Races	1975-84	2.2*	1984-11	3.9*	2011-14	0.4							2.7*	1.3
White	1975-84	1.8	1984-14	4.0*									4.0*	4.0*
Black	1975-03	3.2*	2003-09	7.3*	2009-14	-1.0							2.6	-1.0
SEER 13 Delay-Adju	sted Incide	ence ^b , 19	92-2014											
All Races	1992-99	4.6*	1999-02	0.6	2002-07	5.2*	2007-12	2.7*	2012-14	-2.4			2.1*	0.1
White	1992-99	4.8*	1999-02	-0.5	2002-06	6.8*	2006-12	3.8*	2012-14	-1.8			2.9*	1.0
Black	1992-12	4.3*	2012-14	-6.7									1.8	-1.3
SEER 9 Observed In	ncidence ^a , 1	975-2014	<u>.</u>											
All Races	1975-84	2.2*	1984-11	3.9*	2011-14	-0.8							2.3*	0.4
White	1975-87	1.5*	1987-91	6.9	1991-12	3.9*	2012-14	-0.7					2.8*	1.6
Black	1975-12	3.9*	2012-14	-6.4									1.5	-1.4
SEER 13 Observed I	ncidence ^b ,	1992-201	.4											
All Races	1992-99	4.6*	1999-02	0.6	2002-07	5.2*	2007-12	2.5*	2012-14	-4.3			1.5	-1.0
White	1992-99	4.8*	1999-02	-0.5	2002-06	6.8*	2006-12	3.7*	2012-14	-3.8			2.3*	-0.1
White NH ^{ef}	1992-12	3.7*	2012-14	-1.4									2.5*	1.1
Black	1992-12	4.3*	2012-14	-8.5									1.3	-2.3
Black NH ^{ef}	1992-12	4.3*	2012-14	-8.3									1.4	-2.2
API ^e	1992-11	0.8*	2011-14	-7.9*									-2.2	-5.8*
AI/AN ^{eg}	1992-14	2.8*											2.8*	2.8*
Hispanic ^f	1992-12	3.3*	2012-14	-9.6									0.3	-3.4
U.S. Cancer Mortal	ity ^c , 1975-	2014												
All Races	1975-85	1.5*	1985-96	3.8*	1996-99	0.5	1999-14	2.6*					2.6*	2.6*
White	1975-84	1.1*	1984-95	3.7*	1995-06	2.0*	2006-12	3.4*	2012-14	1.0			2.7*	2.2*
Black	1975-88	0.9*	1988-14	2.3*									2.3*	2.3*
U.S. Cancer Mortal														
All Races	1992-07	2.2*	2007-12	3.3*	2012-14	0.7							2.5*	2.0*
White	1992-07	2.2*	2007-12	3.5*	2012-14	0.9							2.6*	2.2*
White NH ^{ef}	1992-96	3.6*	1996-99	0.6	1999-07	2.3*	2007-12	3.4*	2012-14	1.2			2.7*	2.3*
Black	1992-14	2.3*											2.3*	2.3*
Black NH ^{ef}	1992-14	2.4*											2.4*	2.4*
API ^e	1992-14	-0.8*											-0.8*	-0.8*
AI/AN ^{eg}	1992-14	2.6*											2.6*	2.6*
Hispanic ^f	1992-14	1.7*											1.7*	1.7*

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
- API Asian/Pacific Islander, AI/AN American Indian/Alaska Native, NH Non-Hispanic
- Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.
- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints,

Females by Race/Ethnicity

	JP Tre		JP Tre		JP Tre		JP Tre		JP Tre		JP Tre		AAI	-
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14
SEER 9 Delay-Adjust	ted Incider	nce ^a , 197	75-2014											
All Races	1975-83	0.6	1983-96	4.1*	1996-14	2.8*							2.8*	2.8*
White	1975-85	0.8	1985-99	4.1*	1999-02	-2.4	2002-14	4.2*					4.2*	4.2*
Black	1975-14	2.8*											2.8*	2.8*
SEER 13 Delay-Adju	sted Incide	ence ^b , 19	92-2014											
All Races	1992-14	2.9*											2.9*	2.9*
White	1992-98	6.8*	1998-03	-0.4	2003-14	4.1*							4.1*	4.1*
Black	1992-14	2.8*											2.8*	2.8*
SEER 9 Observed Ind	cidence ^a , 1	975-2014	<u>L</u>											
All Races	1975-83	0.6	1983-96	4.2*	1996-14	2.7*							2.7*	2.7*
White	1975-85	0.8	1985-99	4.1*	1999-02	-2.1	2002-14	3.9*					3.9*	3.9*
Black	1975-14	2.7*											2.7*	2.7*
SEER 13 Observed In	ncidence ^b ,	1992-201	4											
All Races	1992-96	6.8*	1996-14	2.4*									2.4*	2.4*
White	1992-98	6.8*	1998-03	-0.2	2003-14	3.8*							3.8*	3.8*
White NH ^{ef}	1992-98	6.4*	1998-03	-1.2	2003-14	3.8*							3.8*	3.8*
Black	1992-14	2.7*											2.7*	2.7*
Black NH ^{ef}	1992-14	2.7*											2.7*	2.7*
API ^e	1992-06	1.1*	2006-14	-2.3*									-1.9*	-2.3*
AI/AN ^{eg}	1992-14	1.2											1.2	1.2
Hispanic ^f	1992-14	2.5*											2.5*	2.5*
U.S. Cancer Mortal:	ity ^c , 1975-	2014												
All Races	1975-78	-1.5	1978-88	1.4*	1988-95	3.9*	1995-00	0.4	2000-08	1.5*	2008-14	2.9*	2.4*	2.9*
White	1975-78	-1.9	1978-88	1.2*	1988-96	3.6*	1996-00	-0.4	2000-08	1.8*	2008-14	2.9*	2.5*	2.9*
Black	1975-96	2.0*	1996-07	0.4	2007-14	2.8*							2.2*	2.8*
U.S. Cancer Mortal:	ity ^c , 1992-	2014												
All Races	1992-95	3.8*	1995-01	0.4	2001-04	2.7	2004-08	0.7	2008-14	3.1*			2.3*	3.1*
White	1992-96	3.1*	1996-00	-0.2	2000-08	1.7*	2008-14	2.9*					2.5*	2.9*
White NH ^{ef}	1992-96	3.1*	1996-01	-0.6	2001-14	2.2*							2.2*	2.2*
Black	1992-14	1.2*											1.2*	1.2*
Black NH ^{ef}	1992-14	1.3*											1.3*	1.3*
API ^e	1992-14	-0.6*											-0.6*	-0.6*
AI/AN ^{eg}	1992-14	1.3											1.3	1.3
Hispanic ^f	1992-14	1.6*											1.6*	1.6*

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Montery, Rural Georgia, and the Alaska Native Registry).
- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
- API Asian/Pacific Islander, AI/AN American Indian/Alaska Native, NH Non-Hispanic
- Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.
- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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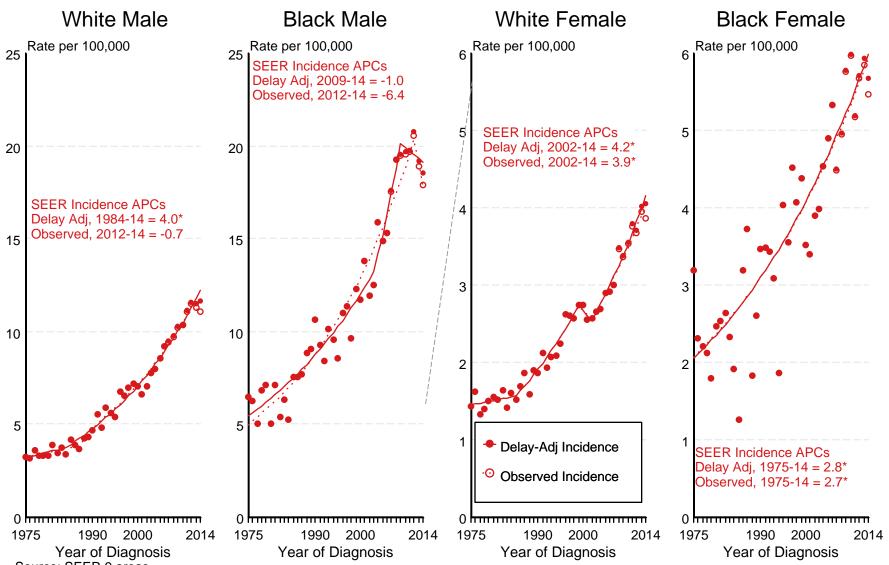
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Figure 14.1

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



Source: SEER 9 areas.

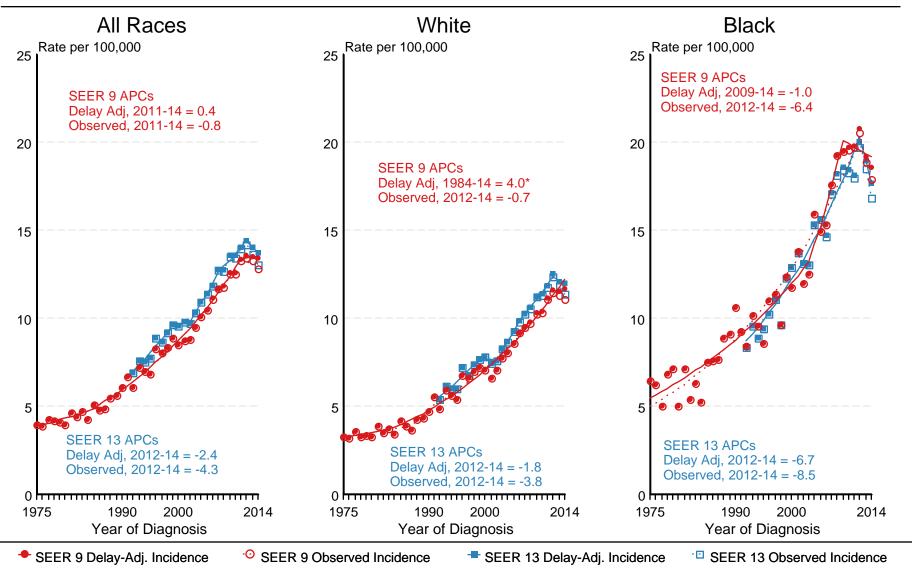
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, 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 14.3

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

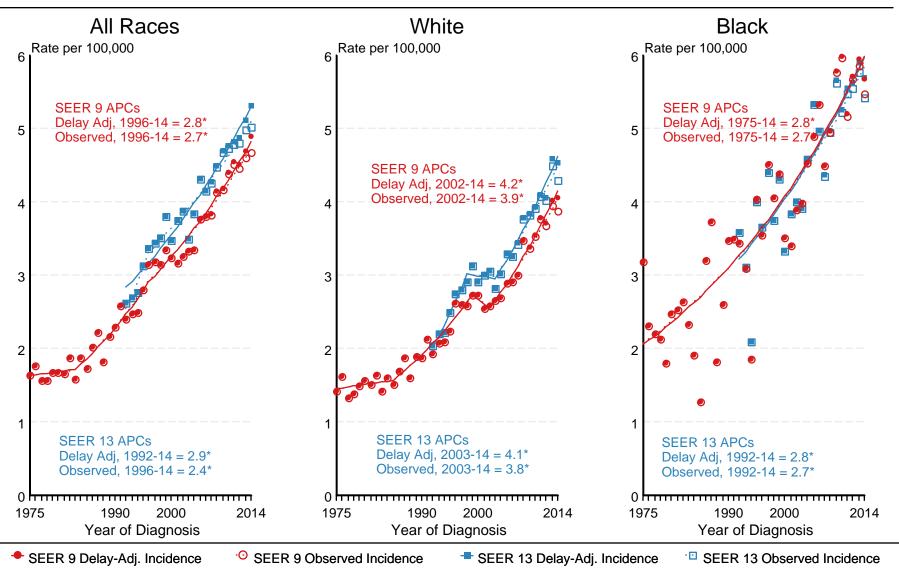


Source: SEER 9 areas and SEER 13 areas.

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

Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, 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 14.4

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



Source: SEER 9 areas and SEER 13 areas.

^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute.
The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.

National Cancer Institute

Table 15.1 Cancer of the Lung and Bronchus (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints,

Both Sexes by Race/Ethnicity

	JP Tre		JP Tre		JP Tre		JP Tre		JP Tre		JP Tre		AAP	-
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14
<u>SEER 9 Delay-Adjus</u>	ted Incide	nce ^a , 197	5-2014											
All Races	1975-82	2.5*	1982-91	0.9*	1991-07	-0.7*	2007-14	-2.1*					-1.8*	-2.1*
White	1975-82	2.6*	1982-91	1.1*	1991-07	-0.6*	2007-14	-2.1*					-1.7*	-2.1*
Black	1975-85	3.2*	1985-08	-0.9*	2008-14	-3.4*							-2.6*	-3.4*
<u>SEER 13 Delay-Adju</u>	sted Incid	ence ^b , 19	92-2014											
All Races	1992-07	-1.0*	2007-14	-2.3*									-2.0*	-2.3*
White	1992-07	-0.9*	2007-14	-2.3*									-2.0*	-2.3*
Black	1992-09	-1.3*	2009-14	-3.8*									-2.7*	-3.8*
<u>SEER 9 Observed In</u>		<u>1975-2014</u>												
All Races	1975-82	2.5*	1982-91	0.9*	1991-07	-0.7*	2007-14	-2.3*					-2.0*	-2.3*
White	1975-82	2.6*	1982-91	1.1*	1991-07	-0.6*	2007-14	-2.3*					-1.9*	-2.3*
Black	1975-85	3.2*	1985-08	-0.9*	2008-14	-3.7*							-2.8*	-3.7*
SEER 13 Observed I	ncidence ^b ,	1992-201	.4											
All Races	1992-08	-1.0*	2008-14	-2.8*									-2.2*	-2.8*
White	1992-07	-0.9*	2007-14	-2.5*									-2.2*	-2.5*
White NH ^{ef}	1992-07	-0.7*	2007-14	-2.4*									-2.0*	-2.4*
Black	1992-09	-1.3*	2009-14	-4.3*									-3.0*	-4.3*
Black NH ^{ef}	1992-09	-1.3*	2009-14	-4.2*									-2.9*	-4.2*
API ^e	1992-05	-0.4	2005-14	-1.7*									-1.7*	-1.7*
AI/AN ^{eg}	1992-10	-0.3	2010-14	-8.8									-4.1*	-8.8
Hispanic ^f	1992-14	-1.4*											-1.4*	-1.4*
U.S. Cancer Mortal	ity ^c , 1975-	-2014												
All Races	1975-80	3.0*	1980-90	1.8*	1990-95	-0.2	1995-05	-1.0*	2005-10	-2.2*	2010-14	-2.8*	-2.5*	-2.8*
White	1975-80	2.9*	1980-90	1.8*	1990-95	-0.1	1995-05	-0.8*	2005-10	-2.1*	2010-14	-2.8*	-2.4*	-2.8*
Black	1975-81	3.5*	1981-90	1.9*	1990-95	-0.7*	1995-04	-1.7*	2004-14	-2.7*			-2.7*	-2.7*
U.S. Cancer Mortal	ity ^c , 1992-	-2014												
All Races	1992-03	-0.8*	2003-08	-1.7*	2008-14	-2.7*							-2.4*	-2.7*
White	1992-03	-0.7*	2003-08	-1.6*	2008-14	-2.6*							-2.3*	-2.6*
White NH ^{ef}	1992-03	-0.5*	2003-08	-1.5*	2008-14	-2.5*							-2.1*	-2.5*
Black	1992-97	-1.1*	1997-05	-1.8*	2005-14	-2.8*							-2.8*	-2.8*
Black NH ^{ef}	1992-96	-0.9*	1996-05	-1.7*	2005-14	-2.7*							-2.7*	-2.7*
API ^e	1992-09	-1.1*	2009-14	-2.1*									-1.7*	-2.1*
AI/AN ^{eg}	1992-14	-0.4											-0.4	-0.4
Hispanic ^f	1992-95	1.5	1995-05	-1.3*	2005-14	-2.6*							-2.6*	-2.6*

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

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

- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.

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

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

- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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Table 15.2 Cancer of the Lung and Bronchus (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints,

Males by Race/Ethnicity

	JP Tre	end 1	JP Tre		JP Tre	end 3	JP Tre		JP Tre	end 5	JP Tre	end 6	AAP	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14
SEER 9 Delay-Adjus	ted Incide	nce ^a , 197	5-2014											
All Races	1975-82	1.5*	1982-91	-0.5*	1991-08	-1.7*	2008-14	-2.9*					-2.5*	-2.9*
White	1975-81	1.5*	1981-90	-0.2	1990-08	-1.7*	2008-14	-2.8*					-2.4*	-2.8*
Black	1975-84	2.9*	1984-98	-1.4*	1998-14	-2.8*							-2.8*	-2.8*
<u>SEER 13 Delay-Adju</u>	sted Incide	ence ^b , 19	92-2014											
All Races	1992-08	-1.9*	2008-14	-3.1*									-2.7*	-3.1*
White	1992-09	-1.9*	2009-14	-3.2*									-2.6*	-3.2*
Black	1992-14	-2.7*											-2.7*	-2.7*
SEER 9 Observed In	cidence ^a , 1	975-2014	L											
All Races	1975-82	1.5*	1982-91	-0.5*	1991-09	-1.7*	2009-14	-3.5*					-2.7*	-3.5*
White	1975-81	1.5*	1981-90	-0.2	1990-09	-1.7*	2009-14	-3.4*					-2.6*	-3.4*
Black	1975-84	2.9*	1984-98	-1.4*	1998-14	-2.9*							-2.9*	-2.9*
SEER 13 Observed I	ncidence ^b ,	1992-201	.4											
All Races	1992-09	-1.9*	2009-14	-3.7*									-2.9*	-3.7*
White	1992-09	-1.9*	2009-14	-3.6*									-2.8*	-3.6*
White NH ^{ef}	1992-09	-1.8*	2009-14	-3.4*									-2.7*	-3.4*
Black	1992-09	-2.4*	2009-14	-5.4*									-4.1*	-5.4*
Black NH ^{ef}	1992-09	-2.4*	2009-14	-5.3*									-4.0*	-5.3*
API ^e	1992-06	-0.8*	2006-14	-2.7*									-2.5*	-2.7*
AI/AN ^{eg}	1992-14	-1.7*											-1.7*	-1.7*
Hispanic ^f	1992-14	-2.1*											-2.1*	-2.1*
U.S. Cancer Mortal	ity ^c , 1975-	2014												
All Races	1975-78	2.4*	1978-84	1.2*	1984-91	0.3*	1991-05	-1.9*	2005-12	-3.0*	2012-14	-3.9*	-3.2*	-3.5*
White	1975-80	1.9*	1980-87	0.7*	1987-91	0.1	1991-05	-1.7*	2005-11	-2.8*	2011-14	-3.6*	-3.1*	-3.4*
Black	1975-77	4.9*	1977-84	2.3*	1984-90	1.2*	1990-94	-1.2*	1994-04	-2.7*	2004-14	-3.5*	-3.5*	-3.5*
U.S. Cancer Mortal	ity ^c , 1992-	2014												
All Races	1992-05	-1.9*	2005-14	-3.1*									-3.1*	-3.1*
White	1992-06	-1.8*	2006-14	-3.1*									-3.0*	-3.1*
White NH ^{ef}	1992-06	-1.6*	2006-14	-3.0*									-2.9*	-3.0*
Black	1992-94	-0.9	1994-04	-2.7*	2004-14	-3.5*							-3.5*	-3.5*
Black NH ^{ef}	1992-94	-0.6	1994-04	-2.7*	2004-14	-3.4*							-3.4*	-3.4*
API ^e	1992-08	-1.4*	2008-14	-3.0*									-2.5*	-3.0*
AI/AN ^{eg}	1992-14	-1.2*											-1.2*	-1.2*
Hispanic ^f	1992-94	3.2	1994-05	-1.9*	2005-14	-3.4*							-3.4*	-3.4*

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

- Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).
- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.

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

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

- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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Table 15.3 Cancer of the Lung and Bronchus (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints,

Females by Race/Ethnicity

	<u> JP Tre</u>	end 1	JP Tre	end 2	JP Tre	end 3	JP Tre	end 4	JP Tre	end 5	JP Tre	end 6	AAP	PC ^d
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14
SEER 9 Delay-Adjus	ted Incide	nce ^a , 197	5-2014											
All Races	1975-82	5.6*	1982-91	3.4*	1991-06	0.5*	2006-14	-1.4*					-1.2*	-1.4*
White	1975-88	4.8*	1988-97	1.4*	1997-07	0.2	2007-14	-1.5*					-1.1*	-1.5*
Black	1975-90	4.2*	1990-06	0.6*	2006-14	-1.7*							-1.5*	-1.7*
SEER 13 Delay-Adju	sted Incide	ence ^b , 19	92-2014											
All Races	1992-06	0.1	2006-14	-1.6*									-1.4*	-1.6*
White	1992-98	0.9*	1998-01	-1.4	2001-07	0.3	2007-12	-2.3*	2012-14	0.0			-1.2*	-1.2
Black	1992-05	0.8*	2005-14	-1.7*									-1.7*	-1.7*
SEER 9 Observed In	cidence ^a , 1	975-2014	L											
All Races	1975-82	5.6*	1982-91	3.4*	1991-06	0.5*	2006-14	-1.6*					-1.4*	-1.6*
White	1975-82	5.6*	1982-88	4.2*	1988-97	1.5*	1997-07	0.2	2007-14	-1.7*			-1.3*	-1.7*
Black	1975-90	4.2*	1990-06	0.6*	2006-14	-2.0*							-1.7*	-2.0*
SEER 13 Observed I	ncidence ^b ,	1992-201	.4											
All Races	1992-07	0.0	2007-14	-2.1*									-1.6*	-2.1*
White	1992-97	0.8	1997-07	-0.2	2007-14	-2.0*							-1.6*	-2.0*
White NH ^{ef}	1992-97	1.1	1997-07	0.0	2007-14	-1.8*							-1.4*	-1.8*
Black	1992-05	0.8*	2005-14	-1.9*									-1.9*	-1.9*
Black NH ^{ef}	1992-05	0.8*	2005-14	-1.9*									-1.9*	-1.9*
API ^e	1992-14	0.1											0.1	0.1
AI/AN ^{eg}	1992-06	2.3*	2006-14	-5.4*									-4.6*	-5.4*
Hispanic ^f	1992-14	-0.5*											-0.5*	-0.5*
U.S. Cancer Mortal	ity ^c , 1975-	2014												
All Races	1975-82	6.0*	1982-90	4.2*	1990-95	1.7*	1995-03	0.3*	2003-07	-0.8	2007-14	-2.0*	-1.7*	-2.0*
White	1975-83	5.8*	1983-90	4.1*	1990-94	2.0*	1994-02	0.5*	2002-07	-0.5	2007-14	-1.9*	-1.6*	-1.9*
Black	1975-82	6.4*	1982-92	3.7*	1992-04	0.4*	2004-14	-1.9*					-1.9*	-1.9*
U.S. Cancer Mortal	ity ^c , 1992-	2014												
All Races	1992-95	1.4*	1995-03	0.3*	2003-07	-0.8	2007-14	-2.0*					-1.7*	-2.0*
White	1992-95	1.4*	1995-02	0.5*	2002-07	-0.5	2007-14	-1.9*					-1.6*	-1.9*
White NH ^{ef}	1992-95	1.7*	1995-03	0.6*	2003-08	-0.7*	2008-14	-1.9*					-1.5*	-1.9*
Black	1992-04	0.4*	2004-14	-2.0*									-2.0*	-2.0*
Black NH ^{ef}	1992-04	0.5*	2004-14	-1.9*									-1.9*	-1.9*
API ^e	1992-14	-0.4*											-0.4*	-0.4*
AI/AN ^{eg}	1992-05	2.1*	2005-14	-1.7*									-1.7*	-1.7*
Hispanic ^f	1992-03	0.5	2003-14	-1.3*									-1.3*	-1.3*
-														

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

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

- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.

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

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

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

- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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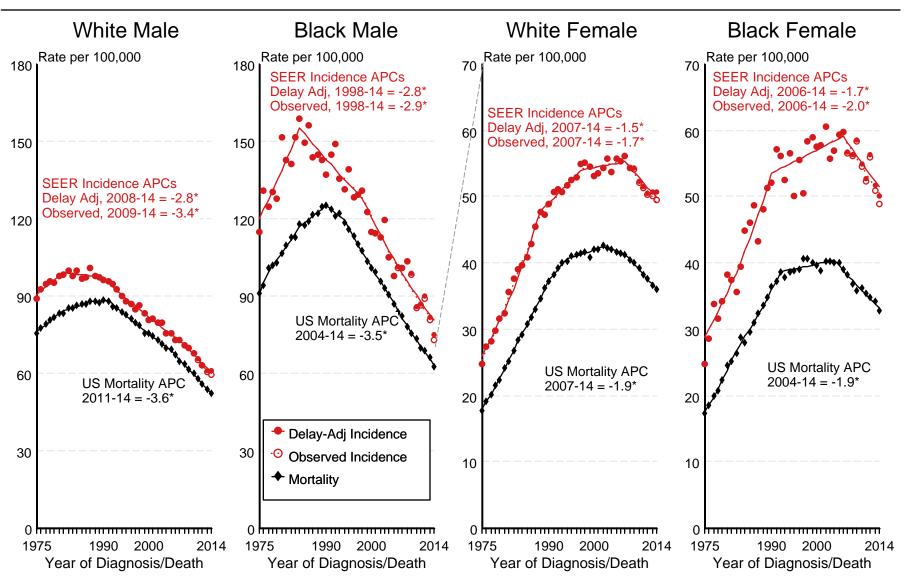
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SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates^a Cancer of the Lung and Bronchus, by Race and Sex

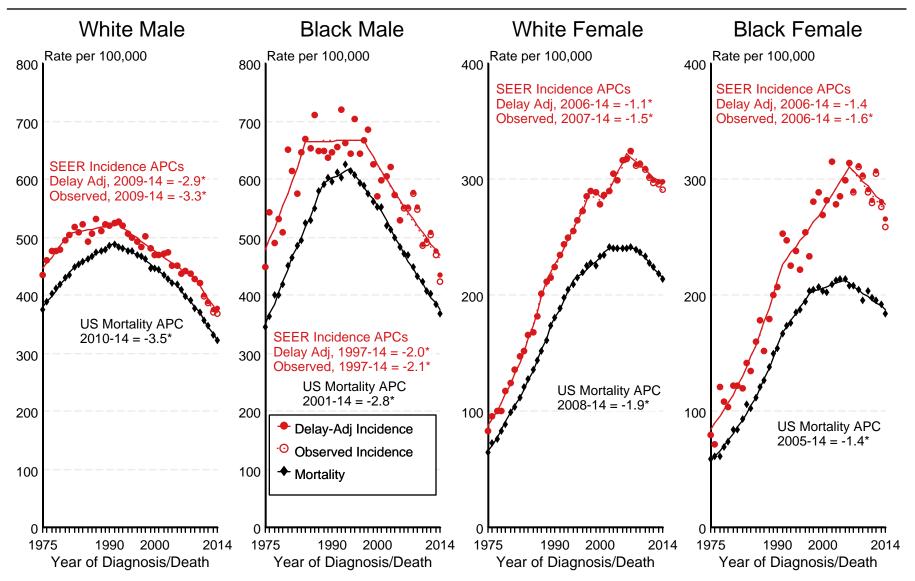


Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).

 ^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.
* The APC is significantly different from zero (p < 0.05).

Figure 15.1

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

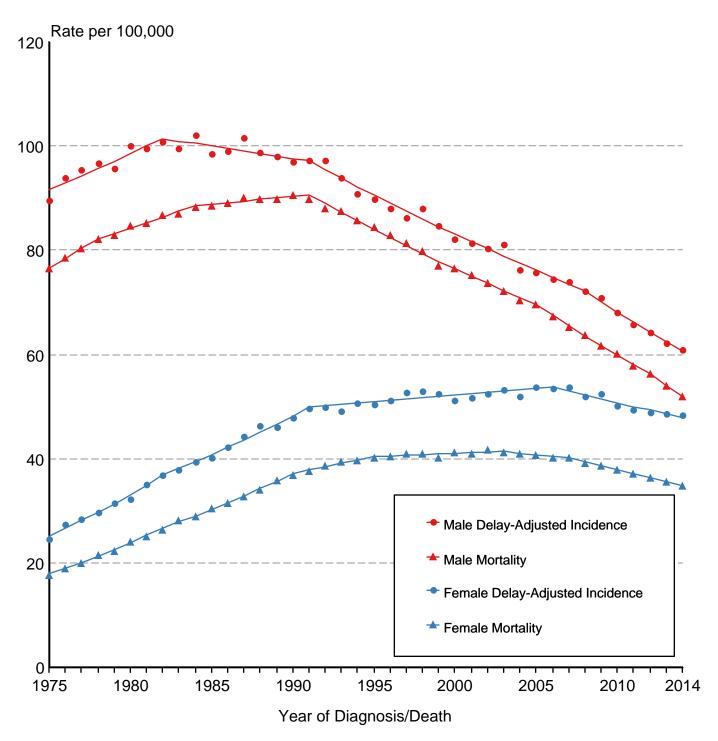


Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).

^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, 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.

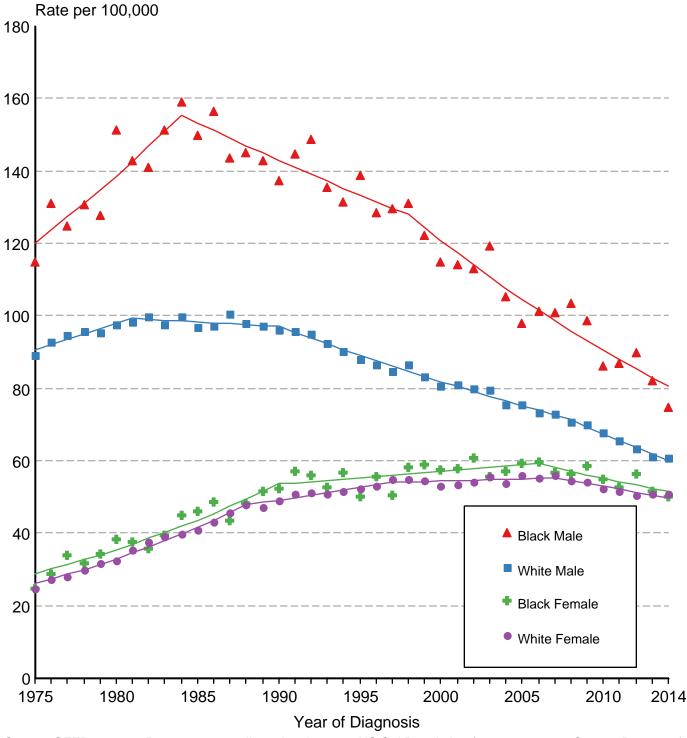
* The APC is significantly different from zero (p < 0.05).</p>

Cancer of the Lung & Bronchus SEER Delay-Adjusted Incidence & US Death Rates, 1975-2014, All Races, By Sex



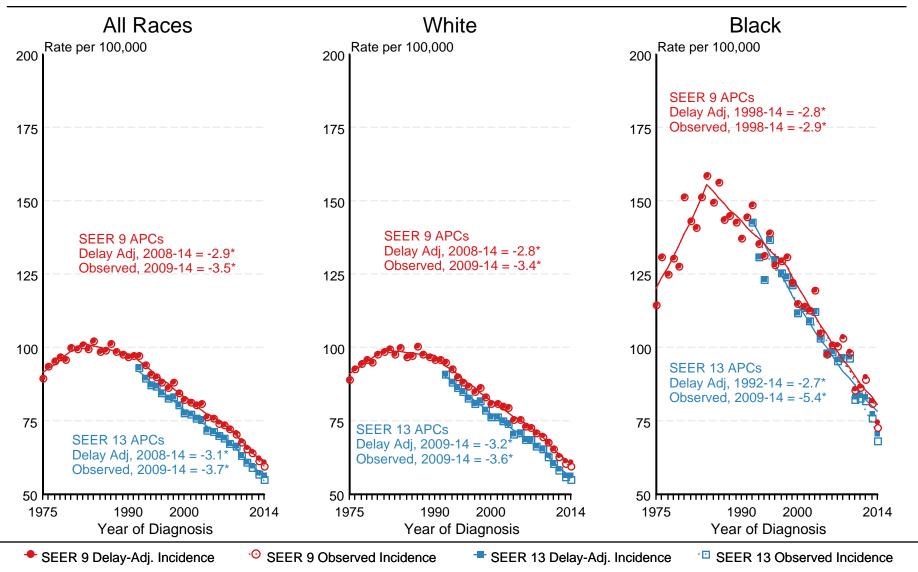
Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC). Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines are calculated using the Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute.

Cancer of the Lung & Bronchus SEER Delay-Adjusted Incidence, 1975-2014 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 4.4, January 2017, National Cancer Institute.

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



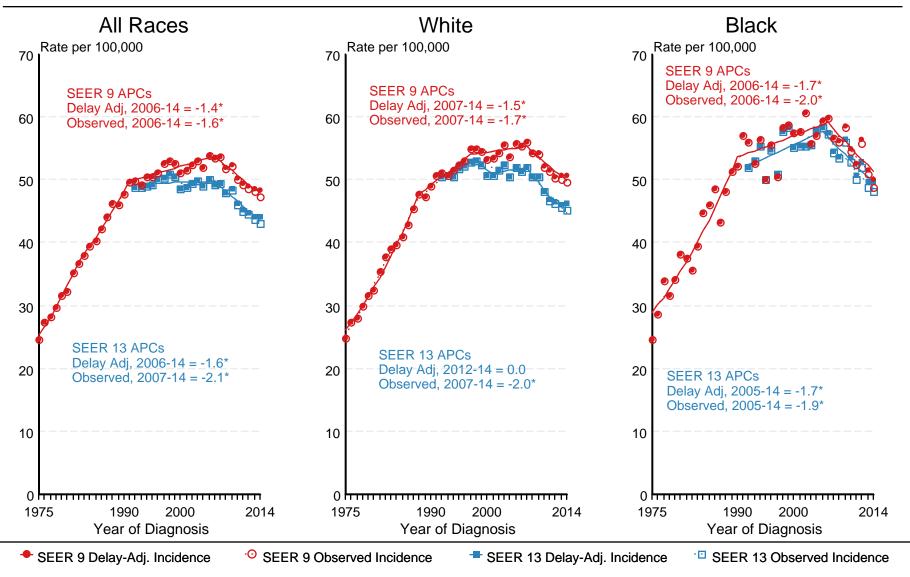
Source: SEER 9 areas and SEER 13 areas.

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

Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4. January 2017, National Cancer Institute. The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.

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

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



Source: SEER 9 areas and SEER 13 areas.

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

Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend. * The APC is significantly different from zero (p < 0.05).

Table 16.1 Melanoma of the Skin (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Both Sexes by Race/Ethnicity

	JP Tre			end 2	JP Tr	end 3		end 4	JP Tr		JP Tr		AAP	-
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14
SEER 9 Delay-Adju	sted Incide	nce ^a , 197	75-2014											
All Races	1975-81	5.9*	1981-05	2.9*	2005-14	1.6*							1.6*	1.6*
White	1975-81	6.2*	1981-05	3.2*	2005-14	1.9*							1.9*	1.9*
Black	1975-14	-0.1											-0.1	-0.1
<u>SEER 13 Delay-Adj</u>	usted Incid	ence ^b , 19	992-2014											
All Races	1992-96	4.8*	1996-14	1.8*									1.8*	1.8*
White	1992-08	2.9*	2008-12	-0.5	2012-14	6.1							2.1	2.7
Black	1992-95	30.3	1995-01	-6.5	2001-14	0.8							0.8	0.8
SEER 9 Observed I	ncidenceª, 1	1975-2014	<u>1</u>											
All Races	1975-81	5.9*	1981-05	2.9*	2005-14	1.4*							1.4*	1.4*
White	1975-81	6.2*	1981-05	3.3*	2005-14	1.5*							1.5*	1.5*
Black	1975-14	-0.2											-0.2	-0.2
SEER 13 Observed	Incidence ^b ,	1992-201	L <u>4</u>											
All Races	1992-97	4.3*	1997-14	1.6*									1.6*	1.6*
White	1992-05	3.1*	2005-14	1.1*									1.1*	1.1*
White NH ^{ef}	1992-05	3.6*	2005-14	1.4*									1.4*	1.4*
Black	1992-95	29.3	1995-04	-5.9*	2004-07	14.6	2007-14	-4.5					-0.5	-4.5
Black NH ^{ef}	1992-95	30.9	1995-00	-7.6	2000-14	0.5							0.5	0.5
API ^e	1992-14	0.5											0.5	0.5
AI/AN ^{eg}	1992-14	1.9											1.9	1.9
Hispanic ^f	1992-14	0.9*											0.9*	0.9*
U.S. Cancer Morta	lity ^c , 1975-	-2014												
Note- Alternate mo	-								tps://surv	reillance	.cancer.go	v/joinp		
All Races	1975-90	1.5*	1990-02	-0.3	2002-09	0.6	2009-14						-0.4	-1.3*
White	1975-89	1.7*	1989-02	-0.1	2002-09	0.7*	2009-14	-1.0*					-0.2	-1.0*
Black	1975-14	-0.8*											-0.8*	-0.8*
U.S. Cancer Morta	lity ^c , 1992-	-2014												
All Races	1992-14	-0.1											-0.1	-0.1
White	1992-14	0.1											0.1	0.1
White NH ^{ef}	1992-14	0.4*											0.4*	0.4*
Black	1992-14	-1.1*											-1.1*	-1.1*
Black NH ^{ef}	1992-14	-1.0*											-1.0*	-1.0*
API ^e	1992-14	-0.9											-0.9	-0.9
AI/AN ^{eg}	1992-14	0.6											0.6	0.6
Hispanic ^f	1992-14	-0.3											-0.3	-0.3
Joinpoint	Regression	Program	Version 4	.4, Janu	arv 2017, 1	National	Cancer Ins	stitute.	(https://	surveilla	ance.cancer	.gov/jo	inpoint/).	

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (https://surveillance.cancer.gov/joinpoint/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
- С 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 New Hampshire and Oklahoma.
 - Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- * The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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Table 16.2 Melanoma of the Skin (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Males by Race/Ethnicity

	JP Tre		JP Tre		JP Tre		JP Tre		JP Tre		JP Tr		AAB	-
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14
SEER 9 Delay-Adjus	sted Incide	nce ^a , 197	75-2014											
All Races	1975-86	5.4*	1986-05	3.1*	2005-14	1.8*							1.8*	1.8*
White	1975-85	5.9*	1985-05	3.4*	2005-14	2.0*							2.0*	2.0*
Black	1975-14	-0.5											-0.5	-0.5
<u>SEER 13 Delay-Adju</u>	usted Incide	ence ^b , 19	992-2014											
All Races	1992-96	5.0*	1996-14	2.0*									2.0*	2.0*
White	1992-05	3.2*	2005-14	1.6*									1.6*	1.6*
Black	1992-95	52.9*	1995-14	-2.6*									-2.6*	-2.6*
SEER 9 Observed In			-											
All Races	1975-85	5.6*	1985-05	3.2*	2005-14	1.5*							1.5*	1.5*
White	1975-85	5.9*	1985-05	3.5*	2005-14	1.6*							1.6*	1.6*
Black	1975-14	-0.5											-0.5	-0.5
SEER 13 Observed I	Incidence ^b ,	1992-201	<u>14</u>											
All Races	1992-96	5.2*	1996-14	1.8*									1.8*	1.8*
White	1992-06	3.1*	2006-14	1.1*									1.3*	1.1*
White NH ^{ef}	1992-05	3.6*	2005-14	1.6*									1.6*	1.6*
Black	1992-95	53.3*	1995-14	-2.8*									-2.8*	-2.8*
Black NH ^{ef}	1992-95	53.6*	1995-14	-2.7*									-2.7*	-2.7*
API ^e	1992-14	1.2*											1.2*	1.2*
AI/AN ^{eg}	1992-14	1.5											1.5	1.5
Hispanic ^f	1992-14	1.4*											1.4*	1.4*
U.S. Cancer Mortal														
Note- Alternate mo									tps://surve	eillance	.cancer.go	ov/joinpo		
All Races	1975-90	2.2*	1990-02	0.0	2002-09	0.9*	2009-14	-1.3*					-0.3	-1.3*
White	1975-87	2.5*	1987-97	1.0*	1997-00	-1.6	2000-09	1.1*	2009-14	-1.0*			-0.1	-1.0*
Black	1975-14	-0.8*											-0.8*	-0.8*
U.S. Cancer Mortal														
All Races	1992-02	-0.1	2002-09	1.0	2009-14	-1.3*							-0.3	-1.3*
White	1992-02	0.0	2002-09	1.1*	2009-14	-1.1							-0.1	-1.1
White NH ^{ef}	1992-02	0.2	2002-09	1.4*	2009-14	-0.9							0.1	-0.9
Black	1992-14	-0.3											-0.3	-0.3
Black NH ^{ef}	1992-14	-0.2											-0.2	-0.2
API ^e	1992-14	-1.8*											-1.8*	-1.8*
AI/AN ^{eg}	1992-14	2.4											2.4	2.4
Hispanic ^f	1992-14	-0.2											-0.2	-0.2
Joinpoint	Regression	Program	Version 4	.4, Janua	ary 2017, M	National	Cancer Ins	titute.	(<u>https://s</u>	urveilla	ince.cancei	.gov/joi	<pre>inpoint/).</pre>	

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).
- С 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.
- f
- 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 New Hampshire and Oklahoma.
 - Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- * The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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Table 16.3 Melanoma of the Skin (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Females by Race/Ethnicity

	JP Tre	nd 1	JP Tre	end 2	JP Tre	nd 3	JP Tre	end 4	JP Tre	end 5	JP Tre	end 6	AAF	Cd
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14
SEER 9 Delay-Adjus	ted Incider	nce ^a , 197	75-2014											
All Races	1975-86	4.0*	1986-93	0.6	1993-96	5.4	1996-09	2.3*	2009-12	-1.3	2012-14	6.1	1.9	2.3
White	1975-81	6.2*	1981-93	2.1*	1993-05	3.5*	2005-12	0.8	2012-14	5.5			1.9*	3.2*
Black	1975-14	0.0											0.0	0.0
SEER 13 Delay-Adju	sted Incide	ence ^b , 19	992-2014											
All Races	1992-97	4.1*	1997-14	1.5*									1.5*	1.5*
White	1992-06	3.0*	2006-12	0.1	2012-14	5.9							1.7	3.0
Black	1992-14	0.1											0.1	0.1
SEER 9 Observed In	ncidence ^a , 1	975-2014	1											
All Races	1975-86	4.0*	1986-93	0.6	1993-96	5.5	1996-09	2.3*	2009-12	-1.6	2012-14	5.3	1.6	1.8
White	1975-81	6.2*	1981-93	2.1*	1993-05	3.4*	2005-14	1.1*					1.1*	1.1*
Black	1975-14	-0.1											-0.1	-0.1
SEER 13 Observed I	ncidence ^b ,	1992-201	14											
All Races	1992-97	4.3*	1997-14	1.4*									1.4*	1.4*
White	1992-05	3.0*	2005-14	0.8									0.8	0.8
White NH ^{ef}	1992-05	3.6*	2005-14	1.2*									1.2*	1.2*
Black	1992-14	0.0											0.0	0.0
Black NH ^{ef}	1992-14	0.2											0.2	0.2
API ^e	1992-14	-0.3											-0.3	-0.3
AI/AN ^{eg}	1992-14	1.8											1.8	1.8
Hispanic ^f	1992-14	0.6											0.6	0.6
<u>U.S. Cancer Mortal</u>	ity ^c , 1975-	2014												
Note- Alternate mo	ortality tre	ends adj	usted for 3	ICD-9/IC	D-10 codin	g change	e available	at: <u>ht</u>	tps://surv	eillance	e.cancer.gov	v/joinp	<u>pint/jump.</u>	<u>ntml</u> .
All Races	1975-88	0.8*	1988-14	-0.6*									-0.6*	-0.6*
White	1975-88	0.9*	1988-14	-0.4*									-0.4*	-0.4*
Black	1975-14	-0.9*											-0.9*	-0.9*
U.S. Cancer Mortal	.ity ^c , 1992-	2014												
All Races	1992-14	-0.6*											-0.6*	-0.6*
White	1992-14	-0.4*											-0.4*	-0.4*
White NH ^{ef}	1992-14	-0.1											-0.1	-0.1
Black	1992-14	-1.7*											-1.7*	-1.7*
Black NH ^{ef}	1992-14	-1.6*											-1.6*	-1.6*
API ^e	1992-14	-0.1											-0.1	-0.1
AI/AN ^{eg}	-	-											-	-
Hispanic ^f	1992-14	-0.5											-0.5	-0.5
	Regression s the Annua													

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). b

- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
- С 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 New Hampshire and Oklahoma.
- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- * The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series. _

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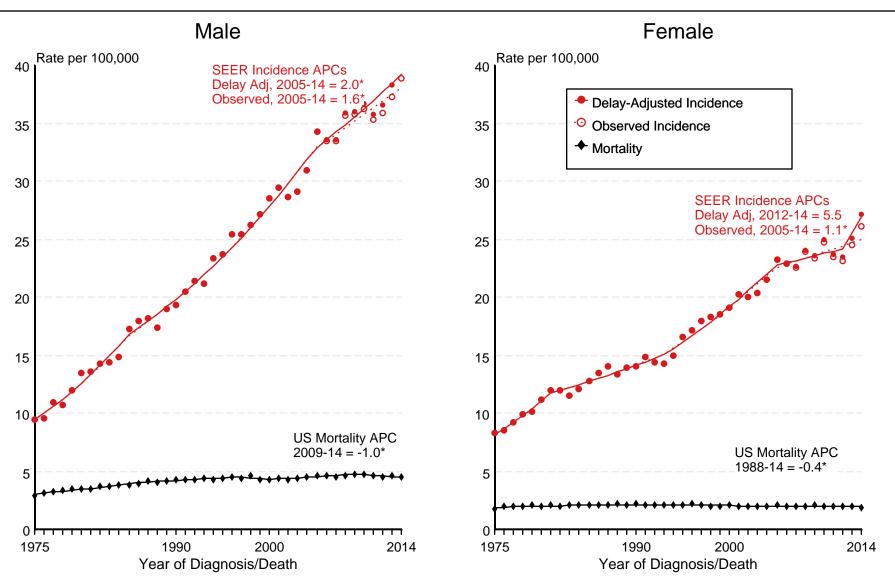
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Figure 16.1

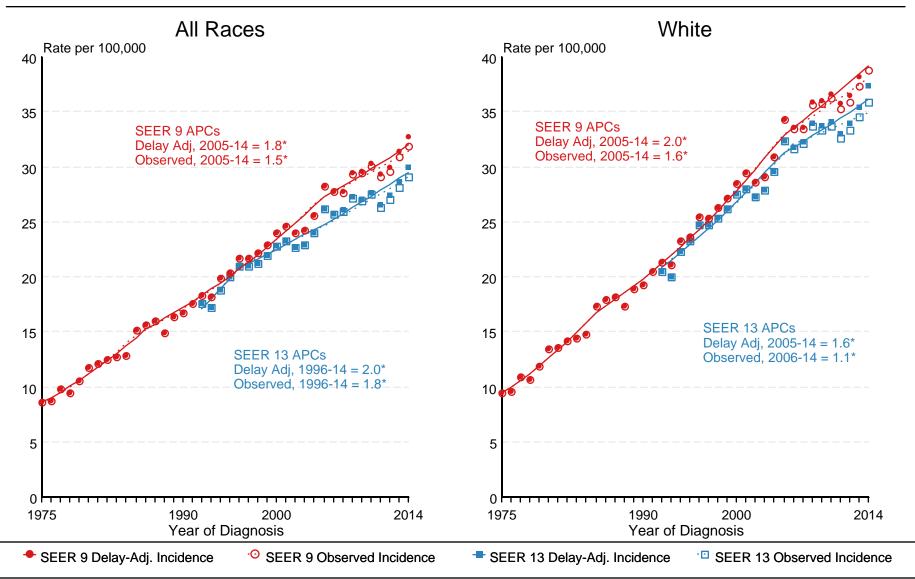
SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates^a Melanoma of the Skin, White, by Sex



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

 ^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, 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 16.4

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

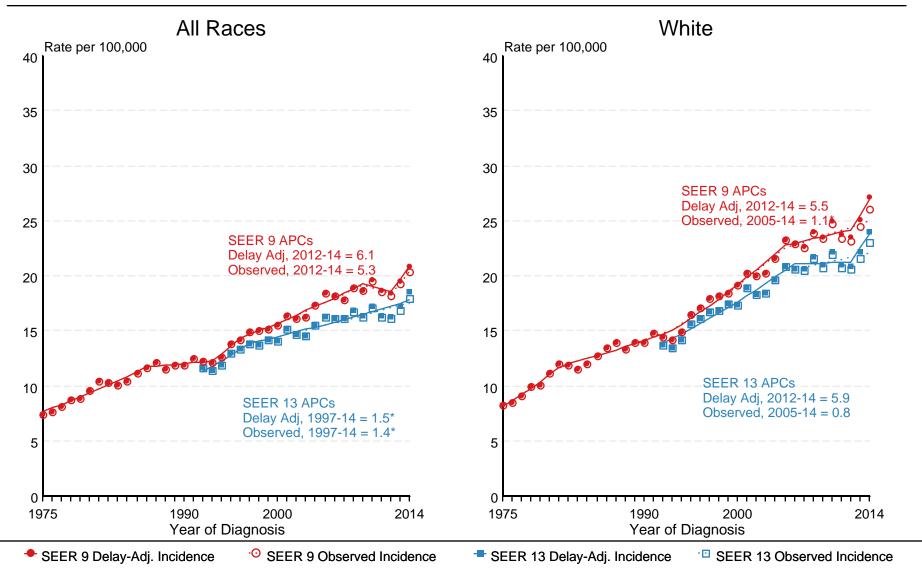


Source: SEER 9 areas and SEER 13 areas.

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

Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, 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 16.5

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



Source: SEER 9 areas and SEER 13 areas.

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

Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend. * The APC is significantly different from zero (p < 0.05).

Table 18.1 Myeloma

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Both Sexes 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	AAF	Cd
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14
SEER 9 Delay-Adju	sted Incider	nce ^a , 197	75-2014											
All Races	1975-06	0.8*	2006-14	2.3*									2.1*	2.3*
White	1975-07	0.8*	2007-14	2.2*									1.9*	2.2*
Black	1975-97	1.3*	1997-00	-4.1	2000-14	2.3*							2.3*	2.3*
SEER 13 Delay-Adj	usted Incide	ence ^b , 10	992-2014											
All Races	1992-07	0.4*	2007-10	4.5	2010-14	0.2							1.6	0.2
White	1992-06	0.5*	2006-14	2.1*									1.9*	2.1*
Black	1992-14	1.2*											1.2*	1.2*
SEER 9 Observed I	ncidence ^a 1	975-2014	1											
All Races	1975-91	1.2*	1991-07	0.4*	2007-11	3.5	2011-14	-2.1					0.9	-0.7
White	1975-14	0.8*											0.8*	0.8*
Black	1975-96	1.3*	1996-02	-1.8	2002-11	3.0*	2011-14	-4.3					0.5	-2.6
SEER 13 Observed	Thaidonaob	1002-201	1.4											
All Races	1992-07	0.4*	2007-11	3.0*	2011-14	-2.5							0.6	-1.1
White	1992-14	0.7*	2007 11	5.0	2011 11	2.5							0.7*	0.7*
White NH ^{ef}	1992-14	0.7*											0.7*	0.7*
Black	1992-14	0.8*											0.8*	0.8*
Black NH ^{ef}	1992-14	0.8*											0.8*	0.8*
API ^e	1992-14	0.7*											0.7*	0.7*
AI/AN ^{eg}	1992-14	0.4											0.4	0.4
Hispanic ^f	1992-14	0.2											0.2	0.2
U.S. Cancer Morta	lity ^c 1975-	2014												
All Races	1975-94	1.4^{*}	1994-02	-0.7*	2002-09	-1.8*	2009-14	0.3					-0.7*	0.3
White	1975-94	1.4*	1994-02	-0.5*	2002-08	-1.9*	2008-14	-0.1					-0.7*	-0.1
Black	1975-82	3.4*	1982-96	1.2*	1996-09	-1.9*	2009-14	0.7					-0.4	0.7
U.S. Cancer Morta		2014												
All Races	1992-94	2.0	1994-02	-0.7*	2002-09	-1.8*	2009-14	0.3					-0.7*	0.3
White	1992-02	-0.2	2002-08	-2.1*	2008-14	0.0	2009 11	0.5					-0.7*	0.0
White NH ^{ef}	1992-02	-0.3	2002-09	-1.9*	2009-14	0.3							-0.7*	0.3
Black	1992-98	0.1	1998-09	-2.0*	2009-14	0.9							-0.4	0.9
Black NH ^{ef}	1992-98	0.2	1998-09	-2.0*	2009-14	1.0							-0.3	1.0
API ^e	1992-14	-0.8*											-0.8*	-0.8*
AI/AN ^{eg}	1992-14	-1.4											-1.4	-1.4
Hispanic ^f	1992-14	-0.7*											-0.7*	-0.7*
-														

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

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

- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.

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

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

- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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Table 18.2 Myeloma

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Males by Race/Ethnicity

	JP Tre	nd 1	JP Tre	end 2	JP Tre	end 3	JP Tre	end 4	JP Tre	end 5	JP Tr	end 6	AAF	PC ^d
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14
SEER 9 Delay-Adjus	sted Incider	nce ^a , 197	75-2014											
All Races	1975-06	0.8*	2006-14	2.4*									2.2*	2.4*
White	1975-14	1.0*											1.0*	1.0*
Black	1975-14	1.0*											1.0*	1.0*
<u>SEER 13 Delay-Adju</u>	sted Incide	ence ^b , 19	992-2014											
All Races	1992-05	0.4	2005-14	2.3*									2.3*	2.3*
White	1992-06	0.5*	2006-14	2.4*									2.2*	2.4*
Black	1992-14	1.5*											1.5*	1.5*
SEER 9 Observed In	ncidence ^a , 1	975-2014	<u>1</u>											
All Races	1975-14	0.9*											0.9*	0.9*
White	1975-14	0.9*											0.9*	0.9*
Black	1975-14	0.8*											0.8*	0.8*
SEER 13 Observed I	Incidence ^b ,	1992-201	L <u>4</u>											
All Races	1992-06	0.4*	2006-12	2.4*	2012-14	-3.9							0.7	-0.8
White	1992-14	0.8*											0.8*	0.8*
White NH ^{ef}	1992-14	0.9*											0.9*	0.9*
Black	1992-14	1.0*											1.0*	1.0*
Black NH ^{ef}	1992-14	1.0*											1.0*	1.0*
API ^e	1992-14	0.7*											0.7*	0.7*
AI/AN ^{eg}	1992-14	-0.1											-0.1	-0.1
Hispanic ^f	1992-14	0.4											0.4	0.4
U.S. Cancer Mortal	ity ^c , 1975-	2014												
All Races	1975-94	1.5*	1994-14	-1.0*									-1.0*	-1.0*
White	1975-94	1.5*	1994-14	-0.9*									-0.9*	-0.9*
Black	1975-82	3.7*	1982-94	1.1*	1994-14	-1.4*							-1.4*	-1.4*
U.S. Cancer Mortal														
All Races	1992-94	2.8	1994-14	-1.0*									-1.0*	-1.0*
White	1992-14	-0.8*											-0.8*	-0.8*
White NH ^{ef}	1992-94	3.6	1994-14	-0.9*									-0.9*	-0.9*
Black	1992-94	2.3	1994-12	-1.5*	2012-14	2.0							-0.7	0.2
Black NH ^{ef}	1992-94	2.7	1994-12	-1.4*	2012-14	2.3							-0.б	0.4
API ^e	1992-14	-0.4											-0.4	-0.4
AI/AN ^{eg}	1992-14	-1.4*											-1.4*	-1.4*
Hispanic ^f	1992-14	-0.7*											-0.7*	-0.7*

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
- API Asian/Pacific Islander, AI/AN American Indian/Alaska Native, NH Non-Hispanic
- Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.
- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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Table 18.3 Myeloma

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Females by Race/Ethnicity

	JP Tre	end 1	JP Tre	end 2	JP Tre	end 3	JP Tre	end 4	JP Tre	end 5	JP Tr	end 6	AAF	PC ^d
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14
SEER 9 Delay-Adju	sted Incider	nce ^a . 197	5-2014											
All Races	1975-14	0.8*											0.8*	0.8*
White	1975-14	0.6*											0.6*	0.6*
Black	1975-14	1.1*											1.1*	1.1*
<u>SEER 13 Delay-Adj</u>	usted Incide	ence ^b , 19	92-2014											
All Races	1992-14	0.7*											0.7*	0.7*
White	1992-14	0.6*											0.6*	0.6*
Black	1992-14	0.8*											0.8*	0.8*
SEER 9 Observed I	ncidence ^a , 1	.975-2014												
All Races	1975-14	0.7*	-										0.7*	0.7*
White	1975-14	0.5*											0.5*	0.5*
Black	1975-14	0.9*											0.9*	0.9*
SEER 13 Observed	Incidence ^b ,	1992-201	4											
All Races	1992-14	0.4*	_										0.4*	0.4*
White	1992-14	0.3											0.3	0.3
White NH ^{ef}	1992-14	0.3											0.3	0.3
Black	1992-14	0.4											0.4	0.4
Black NH ^{ef}	1992-14	0.5*											0.5*	0.5*
API ^e	1992-14	0.7											0.7	0.7
AI/AN ^{eg}	1992-14	0.7											0.7	0.7
Hispanic ^f	1992-14	-0.1											-0.1	-0.1
U.S. Cancer Morta	lity ^c , 1975-	2014												
All Races	1975-93	1.5*	1993-02	-0.5	2002-08	-2.8*	2008-14	0.2					-0.8*	0.2
White	1975-93	1.4*	1993-02	-0.5	2002-08	-2.7*	2008-14	-0.1					-1.0*	-0.1
Black	1975-96	2.0*	1996-09	-2.2*	2009-14	1.6							-0.1	1.6
U.S. Cancer Morta	lity ^c , 1992-	2014												
All Races	1992-01	-0.2	2001-08	-2.6*	2008-14	0.1							-0.8*	0.1
White	1992-02	-0.3	2002-08	-2.7*	2008-14	-0.1							-1.0*	-0.1
White NH ^{ef}	1992-02	-0.3	2002-08	-2.8*	2008-14	-0.1							-1.0*	-0.1
Black	1992-00	0.1	2000-09	-2.8*	2009-14	2.1							-0.1	2.1
Black NH ^{ef}	1992-99	0.5	1999-09	-2.5*	2009-14	2.1							0.0	2.1
API ^e	1992-14	-1.3*											-1.3*	-1.3*
AI/AN ^{eg}	1992-14	-1.5											-1.5	-1.5
Hispanic ^f	1992-14	-0.9*											-0.9*	-0.9*

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

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

- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.

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

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

- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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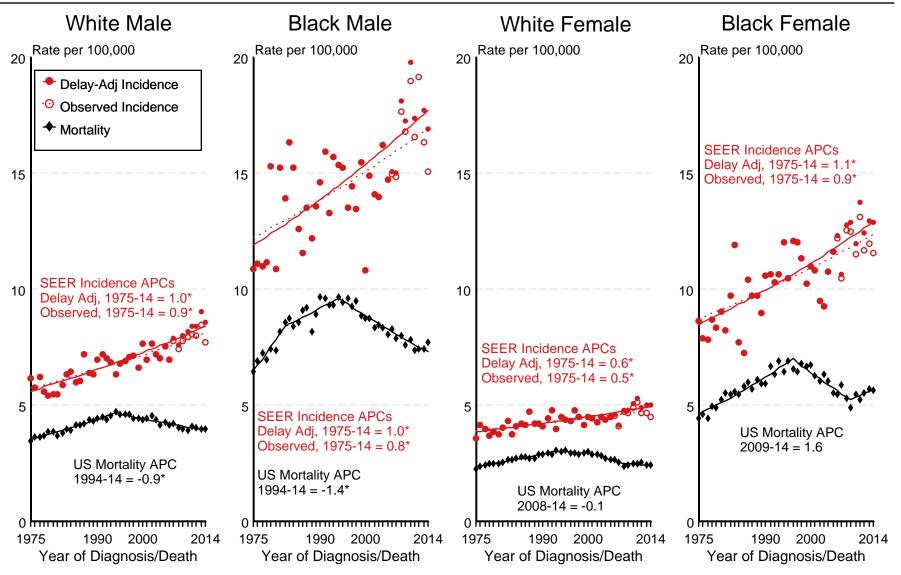
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SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates^a Myeloma, by Race and Sex



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

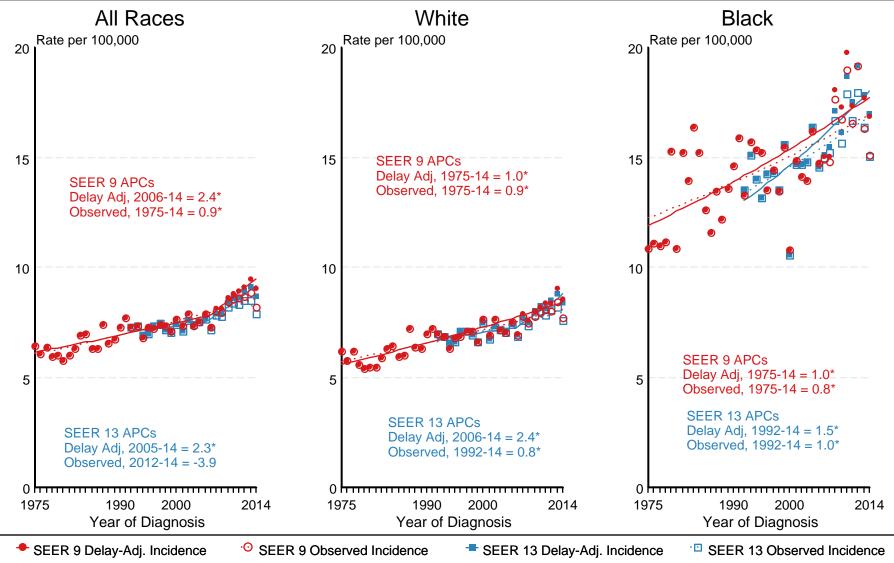
^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend. *

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

Figure 18.1

Figure 18.3

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



Source: SEER 9 areas and SEER 13 areas.

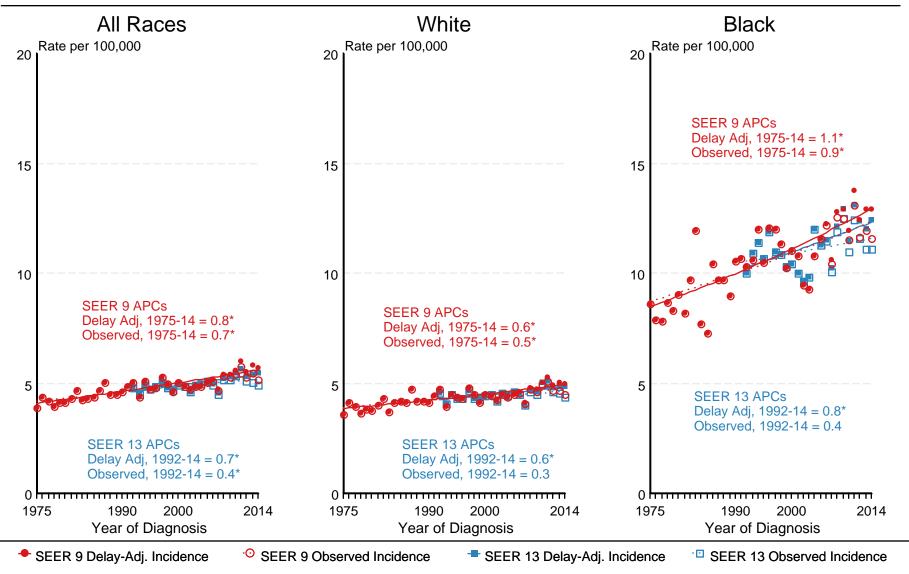
^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute.

The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend. * The APC is significantly different from zero (p < 0.05).

SEER Cancer Statistics Review 1975-2014

Figure 18.4

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



Source: SEER 9 areas and SEER 13 areas.

^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute.
The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.

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

Table 19.1 Non-Hodgkin Lymphoma

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Both Sexes by Race/Ethnicity

	JP Trend 1		JP Trend 2		JP Trend 3		JP Trend 4		JP Trend 5		JP Trend 6		AAPC ^d	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14
SEER 9 Delay-Adjus	sted Incide	nce ^a , 195	75-2014											
All Races	1975-91	3.6*	1991-07	0.7*	2007-14	-0.6							-0.3	-0.6
White	1975-90	3.8*	1990-07	0.8*	2007-14	-0.7*							-0.3	-0.7*
Black	1975-95	4.4*	1995-14	0.2									0.2	0.2
SEER 13 Delay-Adju	992-2014													
All Races	1992-09	0.5*	2009-14	-1.0									-0.3	-1.0
White	1992-07	0.7*	2007-14	-0.6									-0.3	-0.6
Black	1992-97	4.0*	1997-00	-4.3	2000-04	3.8	2004-14	-0.6					-0.б	-0.6
SEER 9 Observed In	ncidence ^a , 1	975-2014	1											
All Races	1975-91	3.6*	1991-08	0.7*	2008-14	-1.2*							-0.6*	-1.2*
White	1975-90	3.8*	1990-07	0.8*	2007-14	-1.1*							-0.7*	-1.1*
Black	1975-95	4.5*	1995-14	0.0									0.0	0.0
SEER 13 Observed I	Incidence ^b ,	1992-201	14											
All Races	1992-09	0.5*	2009-14	-1.5*									-0.б	-1.5*
White	1992-09	0.6*	2009-14	-1.5*									-0.6	-1.5*
White NH ^{ef}	1992-07	0.8*	2007-14	-1.0*									-0.6*	-1.0*
Black	1992-97	4.0*	1997-00	-4.3	2000-04	4.0	2004-14	-1.0*					-1.0*	-1.0*
Black NH ^{ef}	1992-97	3.8*	1997-00	-4.2	2000-04	4.0	2004-14	-0.8*					-0.8*	-0.8*
API ^e	1992-14	0.2											0.2	0.2
AI/AN ^{eg}	1992-14	1.3											1.3	1.3
Hispanic ^f	1992-14	0.4*											0.4*	0.4*
U.S. Cancer Mortal	lity ^c , 1975-	2014												
All Races	1975-91	2.5*	1991-97	1.6*	1997-06	-3.1*	2006-14	-2.2*					-2.3*	-2.2*
White	1975-91	2.5*	1991-97	1.6*	1997-06	-3.1*	2006-14	-2.2*					-2.3*	-2.2*
Black	1975-96	2.7*	1996-14	-2.3*									-2.3*	-2.3*
U.S. Cancer Mortal	lity ^c , 1992-	2014												
All Races	1992-97	1.7*	1997-06	-3.1*	2006-14	-2.2*							-2.3*	-2.2*
White	1992-97	1.7*	1997-06	-3.1*	2006-14	-2.2*							-2.3*	-2.2*
White NH ^{ef}	1992-97	1.9*	1997-06	-3.1*	2006-14	-2.2*							-2.3*	-2.2*
Black	1992-96	2.5	1996-14	-2.3*									-2.3*	-2.3*
Black NH ^{ef}	1992-96	2.9	1996-14	-2.2*									-2.2*	-2.2*
API ^e	1992-14	-1.9*											-1.9*	-1.9*
AI/AN ^{eg}	1992-14	-0.8											-0.8	-0.8
Hispanic ^f	1992-97	3.0*	1997-03	-3.6*	2003-14	-1.3*							-1.3*	-1.3*

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

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

- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry). Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.

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

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

- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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Table 19.2 Non-Hodgkin Lymphoma

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Males by Race/Ethnicity

	JP Trend 1		JP Trend 2		JP Trend 3		JP Trend 4		JP Trend 5		JP Trend 6		AAPC ^d	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14
SEER 9 Delay-Adjus														
All Races	1975-91	4.3*	1991-14	0.3*									0.3*	0.3*
White	1975-90	4.4*	1990-08	0.6*	2008-14	-0.6							-0.2	-0.6
Black	1975-94	5.5*	1994-14	-0.3									-0.3	-0.3
<u>SEER 13 Delay-Adju</u>	992-2014													
All Races	1992-14	0.2											0.2	0.2
White	1992-95	2.7	1995-98	-2.1	1998-09	0.8*	2009-12	-2.1	2012-14	1.8			0.1	-0.2
Black	1992-14	-0.1											-0.1	-0.1
<u>SEER 9 Observed Ir</u>	ncidence ^a , 1	975-2014	1											
All Races	1975-91	4.2*	1991-10	0.4*	2010-14	-1.6							-0.5	-1.6
White	1975-90	4.4*	1990-08	0.6*	2008-14	-1.0							-0.5	-1.0
Black	1975-94	5.5*	1994-14	-0.5									-0.5	-0.5
SEER 13 Observed 1	Incidence ^b ,	1992-201	L <u>4</u>											
All Races	1992-10	0.2*	2010-14	-1.3									-0.5	-1.3
White	1992-95	2.7	1995-98	-2.2	1998-07	0.9*	2007-14	-0.9*					-0.5	-0.9*
White NH ^{ef}	1992-95	2.9	1995-98	-2.1	1998-07	1.0*	2007-14	-0.9*					-0.5	-0.9*
Black	1992-14	-0.3											-0.3	-0.3
Black NH ^{ef}	1992-14	-0.2											-0.2	-0.2
API ^e	1992-14	0.3*											0.3*	0.3*
AI/AN ^{eg}	1992-14	0.2											0.2	0.2
Hispanic ^f	1992-14	0.1											0.1	0.1
U.S. Cancer Mortal	ity ^c , 1975-	2014												
All Races	1975-91	2.7*	1991-97	1.6*	1997-06	-2.9*	2006-14	-2.0*					-2.1*	-2.0*
White	1975-91	2.6*	1991-97	1.6*	1997-06	-2.8*	2006-14	-2.0*					-2.1*	-2.0*
Black	1975-96	2.7*	1996-14	-2.4*									-2.4*	-2.4*
U.S. Cancer Mortal	ity ^c , 1992-	2014												
All Races	1992-97	1.7*	1997-06	-2.9*	2006-14	-2.0*							-2.1*	-2.0*
White	1992-97	1.7*	1997-06	-2.8*	2006-14	-2.0*							-2.1*	-2.0*
White NH ^{ef}	1992-97	1.7*	1997-14	-2.5*									-2.5*	-2.5*
Black	1992-96	2.6	1996-14	-2.3*									-2.3*	-2.3*
Black NH ^{ef}	1992-96	2.9	1996-14	-2.2*									-2.2*	-2.2*
API ^e	1992-14	-2.0*											-2.0*	-2.0*
AI/AN ^{eg}	1992-14	-0.5											-0.5	-0.5
Hispanic ^f	1992-96	4.5	1996-03	-3.9*	2003-14	-0.9*							-0.9*	-0.9*

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (https://surveillance.cancer.gov/joinpoint/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

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

- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry). Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.

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

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

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

- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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Table 19.3 Non-Hodgkin Lymphoma

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Females by Race/Ethnicity

	JP Trend 1		JP Trend 2		JP Trend 3		JP Trend 4		JP Trend 5		JP Trend 6		AAPC ^d	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14
SEER 9 Delay-Adjus	sted Incider	uce ^a , 195	75-2014											
All Races	1975-88	3.0*	1988-04	1.4*	2004-14	-0.6*							-0.6*	-0.6*
White	1975-88	3.1*	1988-04	1.4*	2004-14	-0.6*							-0.6*	-0.6*
Black	1975-04	2.9*	2004-14	-0.7									-0.7	-0.7
SEER 13 Delay-Adjusted Incidence ^b , 19			92-2014											
All Races	1992-04	1.3*	2004-14	-0.5*									-0.5*	-0.5*
White	1992-04	1.4*	2004-14	-0.5									-0.5	-0.5
Black	1992-98	5.6*	1998-14	0.5									0.5	0.5
SEER 9 Observed In	ncidence ^a , 1	975-2014	1											
All Races	1975-88	3.0*	1988-04	1.4*	2004-14	-0.9*							-0.9*	-0.9*
White	1975-88	3.0*	1988-04	1.4*	2004-14	-0.9*							-0.9*	-0.9*
Black	1975-04	2.9*	2004-14	-1.0									-1.0	-1.0
SEER 13 Observed Incidence ^b , 1992-2014														
All Races	1992-04	1.4*	2004-14	-0.8*									-0.8*	-0.8*
White	1992-04	1.4*	2004-14	-0.8*									-0.8*	-0.8*
White NH ^{ef}	1992-04	1.5*	2004-14	-0.9*									-0.9*	-0.9*
Black	1992-98	5.8*	1998-14	0.2									0.2	0.2
Black NH ^{ef}	1992-03	3.1*	2003-14	-0.4									-0.4	-0.4
API ^e	1992-14	0.2											0.2	0.2
AI/AN ^{eg}	1992-14	2.1*											2.1*	2.1*
Hispanic ^f	1992-14	0.8*											0.8*	0.8*
U.S. Cancer Mortal	ity ^c , 1975-	2014												
All Races	1975-94	2.2*	1994-97	1.0	1997-09	-3.2*	2009-14	-2.2*					-2.7*	-2.2*
White	1975-97	2.1*	1997-04	-3.8*	2004-14	-2.7*							-2.7*	-2.7*
Black	1975-96	2.7*	1996-14	-2.2*									-2.2*	-2.2*
U.S. Cancer Mortal	ity ^c , 1992-	2014												
All Races	1992-94	2.9*	1994-97	1.0	1997-09	-3.2*	2009-14	-2.2*					-2.7*	-2.2*
White	1992-94	3.3*	1994-97	0.6	1997-00	-2.5	2000-03	-4.4*	2003-14	-2.7*			-2.7*	-2.7*
White NH ^{ef}	1992-94	3.9*	1994-97	0.9	1997-11	-3.2*	2011-14	-1.6					-2.7*	-2.0*
Black	1992-97	1.7	1997-14	-2.2*									-2.2*	-2.2*
Black NH ^{ef}	1992-97	1.9	1997-14	-2.2*									-2.2*	-2.2*
API ^e	1992-14	-1.7*											-1.7*	-1.7*
AI/AN ^{eg}	1992-01	5.6*	2001-14	-4.5*									-4.5*	-4.5*
Hispanic ^f	1992-97	3.0	1997-14	-2.1*									-2.1*	-2.1*

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

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

- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.

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

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

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

- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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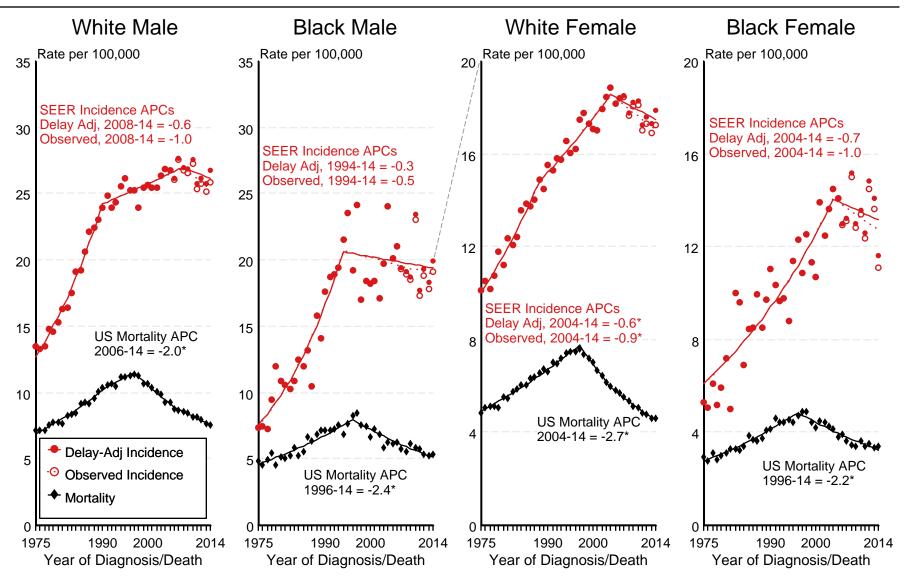
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SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates^a Non-Hodgkin Lymphoma, by Race and Sex



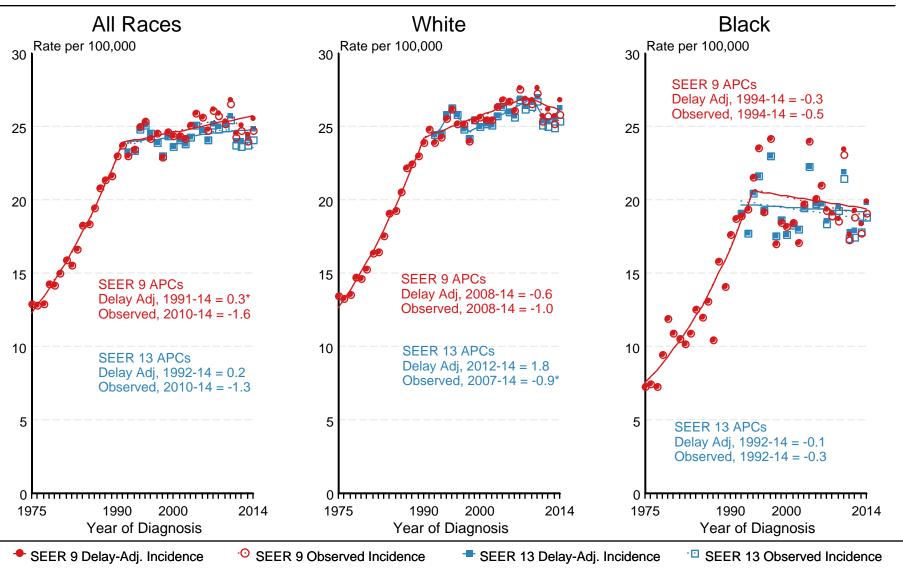
Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).

^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute.
The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.

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Figure 19.5

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



Source: SEER 9 areas and SEER 13 areas.

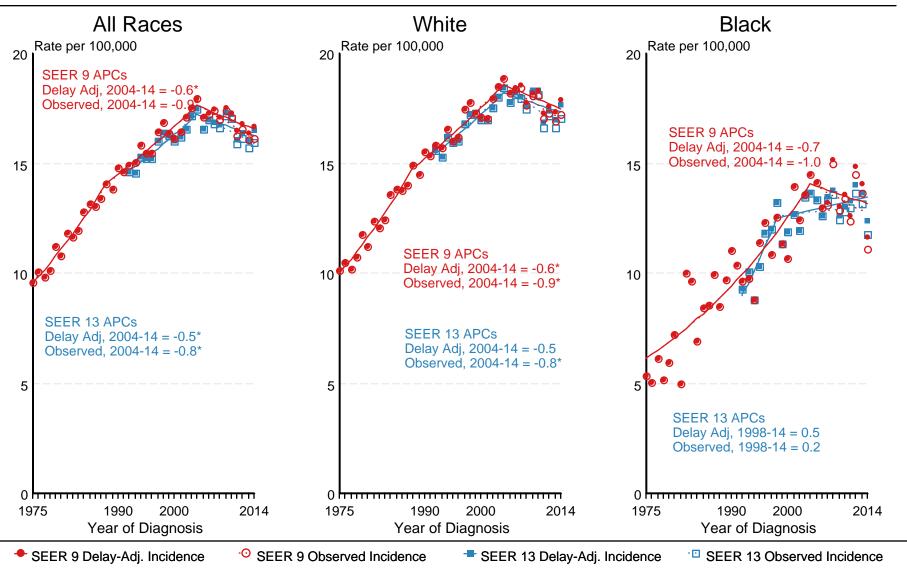
^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute.

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 19.6

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



Source: SEER 9 areas and SEER 13 areas.

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

Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend. * The APC is significantly different from zero (p < 0.05).

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

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Both Sexes by Race/Ethnicity

	JP Trend	1 1	JP Tre	end 2	JP Tre	nd 3	JP Tre	end 4	JP Tre	nd 5	JP Tre	end 6	AAP	Cd
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14
SEER 9 Delay-Adjus	sted Incidence	≏ ^a 1975	5-2014											
All Races		0.7	1981-03	-1.1*	2003-14	0.8*							0.8*	0.8*
White		-0.9*	2003-14	1.2*									1.2*	1.2*
Black		2.2*	1984-14	-2.4*									-2.4*	-2.4*
SEER 13 Delay-Adju	usted Incidenc	ce ^b . 199	92-2014											
All Races		-1.2*	2004-14	0.8*									0.8*	0.8*
White	1992-03 -	-1.1*	2003-14	1.1*									1.1*	1.1*
Black	1992-14 -	-2.3*											-2.3*	-2.3*
SEER 9 Observed Ir	ncidence ^a . 197	75-2014												
All Races		0.7	1981-03	-1.1*	2003-14	0.6*							0.6*	0.6*
White	1975-03 -	-0.9*	2003-14	1.0*									1.0*	1.0*
Black		2.3*	1984-14	-2.4*									-2.4*	-2.4*
SEER 13 Observed 1	Incidence ^b , 19	92-2014	1											
All Races	,	-1.3*	2003-14	0.5*									0.5*	0.5*
White		-1.1*	2003-14	0.9*									0.9*	0.9*
White NH ^{ef}	1992-03 -	-0.8*	2003-14	1.1*									1.1*	1.1*
Black	1992-14 -	-2.4*											-2.4*	-2.4*
Black NH ^{ef}	1992-14 -	-2.4*											-2.4*	-2.4*
API ^e	1992-14 -	-0.8*											-0.8*	-0.8*
AI/AN ^{eg}	1992-14 -	-1.3											-1.3	-1.3
Hispanic ^f	1992-02 -	-2.1*	2002-14	0.7									0.7	0.7
U.S. Cancer Mortal	Lity ^c , 1975-20)14												
All Races	1975-79 -	-0.5	1979-93	-1.7*	1993-00	-2.7*	2000-09	-1.3*	2009-14	0.6			-0.3	0.6
White	1975-05 -	-1.9*	2005-14	0.2									0.2	0.2
Black	1975-80	3.2*	1980-93	-1.5*	1993-09	-4.0*	2009-14	-0.5					-2.1*	-0.5
U.S. Cancer Mortal	Lity ^c , 1992-20)14												
All Races	1992-06 -	-2.1*	2006-14	0.1									-0.2	0.1
White	1992-05 -	-1.9*	2005-14	0.3									0.3	0.3
White NH ^{ef}	1992-05 -	-1.7*	2005-14	0.4									0.4	0.4
Black	1992-09 -	-3.9*	2009-14	-0.6									-2.1*	-0.6
Black NH ^{ef}	1992-09 -	-3.9*	2009-14	-0.6									-2.1*	-0.6
API ^e	1992-14 -	-2.0*											-2.0*	-2.0*
AI/AN ^{eg}	1992-14 -	-1.8*											-1.8*	-1.8*
Hispanic ^f	1992-05 -	-3.0*	2005-14	-0.5									-0.5	-0.5

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta). Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).

- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.

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

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

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

- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Males 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	AAF	C^d
	Years APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14
SEER 9 Delay-Adjus	ted Incidence ^a . 1	975-2014											
All Races	1975-83 -0.2	1983-03	-1.4*	2003-14	1.0*							1.0*	1.0*
White	1975-03 -1.2		1.4*									1.4*	1.4*
Black	1975-86 2.0	1986-14	-2.7*									-2.7*	-2.7*
SEER 13 Delay-Adju	sted Incidence ^b ,	1992-2014											
All Races	1992-04 -1.4	2004-14	1.1*									1.1*	1.1*
White	1992-03 -1.3	2003-14	1.3*									1.3*	1.3*
Black	1992-10 -3.03	2010-14	1.1									-1.2	1.1
SEER 9 Observed In	cidence ^a , 1975-20	14											
All Races	1975-83 -0.2	1983-03	-1.4*	2003-14	0.9*							0.9*	0.9*
White	1975-01 -1.2	2001-14	0.9*									0.9*	0.9*
Black	1975-87 1.63	1987-14	-2.9*									-2.9*	-2.9*
SEER 13 Observed I	ncidence ^b , 1992-2	2014											
All Races	1992-03 -1.6	2003-14	0.7*									0.7*	0.7*
White	1992-03 -1.2	2003-14	1.1*									1.1*	1.1*
White NH ^{ef}	1992-03 -1.03	2003-14	1.3*									1.3*	1.3*
Black	1992-11 -3.03	2011-14	1.6									-1.5	0.4
Black NH ^{ef}	1992-10 -3.03	2010-14	0.5									-1.4	0.5
API ^e	1992-14 -0.8	r										-0.8*	-0.8*
AI/AN ^{eg}	1992-14 -2.3	r										-2.3*	-2.3*
Hispanic ^f	1992-14 -0.5											-0.5	-0.5
U.S. Cancer Mortal	ity ^c , 1975-2014												
All Races	1975-93 -1.9	1993-00	-3.0*	2000-09	-1.3*	2009-14	1.1					0.0	1.1
White	1975-05 -2.1	2005-14	0.8*									0.8*	0.8*
Black	1975-80 3.9	1980-93	-1.5*	1993-09	-4.1*	2009-14	-0.7					-2.2*	-0.7
U.S. Cancer Mortal	ity ^c , 1992-2014												
All Races	1992-00 -2.8	2000-09	-1.3*	2009-14	1.1							0.0	1.1
White	1992-05 -2.03	2005-14	0.7									0.7	0.7
White NH ^{ef}	1992-05 -1.8	2005-14	0.8*									0.8*	0.8*
Black	1992-09 -4.03	2009-14	-0.8									-2.2*	-0.8
Black NH ^{ef}	1992-09 -4.03	2009-14	-0.7									-2.2*	-0.7
API ^e	1992-14 -2.03	r										-2.0*	-2.0*
AI/AN ^{eg}	1992-14 -1.7	r										-1.7*	-1.7*
Hispanic ^f	1992-05 -3.7	2005-14	-0.9*									-0.9*	-0.9*

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

- Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).
- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry). Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
- API Asian/Pacific Islander, AI/AN American Indian/Alaska Native, NH Non-Hispanic
- Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.
- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Females by Race/Ethnicity

Years APC Years APC <th< th=""><th></th><th>JP Trend</th><th>1 JP Ti</th><th>rend 2</th><th>JP Tre</th><th>end 3</th><th>JP Tr</th><th>end 4</th><th>JP Tre</th><th>end 5</th><th>JP Tr</th><th>end 6</th><th>AAF</th><th>Cd</th></th<>		JP Trend	1 JP Ti	rend 2	JP Tre	end 3	JP Tr	end 4	JP Tre	end 5	JP Tr	end 6	AAF	Cd
All Races 1975-80 2.6* 1980-04 -0.9* 2004-14 0.2 0.2 0.2 White 1975-81 2.1* 1981-04 -0.9* 2004-14 0.5 0.5 0.5 Black 1975-14 -1.5* -1.5* -1.5* -1.5* -1.5* SEER 13 Delay-Adjusted Incidence ^b , 1992-2014 All Races 1992-14 -0.6* -0.6* -0.6* All Races 1992-04 -1.3* 2004-14 0.5 0.5 0.5 Black 1992-04 -1.3* 2004-14 0.5 0.5 0.5 Black 1992-14 -1.7* -1.7* -1.7* -1.7* SEER 9 Observed Incidence ^a , 1975-2014 All Races 1975-79 2.9 1979-14 -0.7* All Races 1975-79 2.9 1979-14 -0.7* -0.7* -0.7* -0.7* White 1975-81 2.1* 1981-04 -0.9* 2004-14 0.3 0.3 0.3		Years A	APC Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14
All Races 1975-80 2.6* 1980-04 -0.9* 2004-14 0.2 0.2 0.2 White 1975-81 2.1* 1981-04 -0.9* 2004-14 0.5 0.5 0.5 Black 1975-14 -1.5* -1.5* -1.5* -1.5* -1.5* SEER 13 Delay-Adjusted Incidence ^b , 1992-2014 All Races 1992-14 -0.6* -0.6* -0.6* All Races 1992-04 -1.3* 2004-14 0.5 0.5 0.5 Black 1992-04 -1.3* 2004-14 0.5 0.5 0.5 Black 1992-14 -1.7* -1.7* -1.7* -1.7* SEER 9 Observed Incidence ^a , 1975-2014 All Races 1975-79 2.9 1979-14 -0.7* All Races 1975-79 2.9 1979-14 -0.7* -0.7* -0.7* -0.7* White 1975-81 2.1* 1981-04 -0.9* 2004-14 0.3 0.3 0.3	SEER 9 Delay-Adjus	ted Incidence ^a	^a . 1975-2014											
Black $1975-14$ -1.5^* -1.5^* SEER 13 Delay-Adjusted Incidence ^b , 1992-2014 -0.6^* -0.6^* -0.6^* All Races $1992-14$ -0.6^* -0.6^* -0.6^* White $1992-04$ -1.3^* $2004-14$ 0.5 0.5 0.5 Black $1992-14$ -1.7^* -1.7^* -1.7^* -1.7^* SEER 9 Observed Incidence ^a , 1975-2014 $All Races$ $1975-79$ 2.9 $1979-14$ -0.7^* -0.7^* -0.7^* White $1975-81$ 2.1^* $1981-04$ -0.9^* $2004-14$ 0.3 0.3 0.3 0.3	i			-0.9*	2004-14	0.2							0.2	0.2
SEER 13 Delay-Adjusted Incidence ^b , 1992-2014 All Races 1992-14 -0.6* White 1992-04 -1.3* 2004-14 0.5 Black 1992-14 -1.7* -1.7* -1.7* SEER 9 Observed Incidence ^a , 1975-2014 0.5 0.7* -0.7* All Races 1975-79 2.9 1979-14 -0.7* White 1975-81 2.1* 1981-04 -0.9* 2004-14 0.3	White	1975-81 2	2.1* 1981-04	-0.9*	2004-14	0.5							0.5	0.5
All Races 1992-14 -0.6* -0.6* -0.6* White 1992-04 -1.3* 2004-14 0.5 0.5 0.5 Black 1992-14 -1.7* -1.7* -1.7* -1.7* SEER 9 Observed Incidence ^a , 1975-2014 -0.7* -0.7* -0.7* -0.7* All Races 1975-79 2.9 1979-14 -0.7* -0.7* 0.3 0.3	Black	1975-14 -1	L.5*										-1.5*	-1.5*
White 1992-04 -1.3* 2004-14 0.5 0.5 0.5 Black 1992-14 -1.7* -1.7* -1.7* -1.7* SEER 9 Observed Incidence ^a , 1975-2014 All Races 1975-79 2.9 1979-14 -0.7* -0.7* -0.7* White 1975-81 2.1* 1981-04 -0.9* 2004-14 0.3 0.3 0.3	SEER 13 Delay-Adju	sted Incidence	e ^b , 1992-2014											
Black 1992-14 -1.7* -1.7* SEER 9 Observed Incidence ^a , 1975-2014 -0.7* -0.7* All Races 1975-79 2.9 1979-14 -0.7* White 1975-81 2.1* 1981-04 -0.9* 2004-14 0.3	All Races	1992-14 -0).6*										-0.6*	-0.6*
SEER 9 Observed Incidence ^a , 1975-2014 All Races 1975-79 2.9 1979-14 -0.7* -0.7* White 1975-81 2.1* 1981-04 -0.9* 2004-14 0.3 0.3 0.3	White	1992-04 -1	L.3* 2004-14	0.5									0.5	0.5
All Races 1975-79 2.9 1979-14 -0.7* -0.7* White 1975-81 2.1* 1981-04 -0.9* 2004-14 0.3 0.3 0.3	Black	1992-14 -1	L.7*										-1.7*	-1.7*
White 1975-81 2.1* 1981-04 -0.9* 2004-14 0.3 0.3 0.3	SEER 9 Observed In	cidence ^a , 1975	5-2014											
	All Races	1975-79 2	2.9 1979-14	-0.7*									-0.7*	-0.7*
	White	1975-81 2	2.1* 1981-04	-0.9*	2004-14	0.3							0.3	0.3
DIAUK 1970-14 -1.0" -1.0	Black	1975-14 -1	L.6*										-1.6*	-1.6*
SEER 13 Observed Incidence ^b , 1992-2014	SEER 13 Observed I	ncidence ^b , 199	92-2014											
All Races 1992-14 -0.7* -0.7* -0.7*	All Races	1992-14 -0).7*										-0.7*	-0.7*
White 1992-04 -1.3* 2004-14 0.3 0.3 0.3	White	1992-04 -1	L.3* 2004-14	0.3									0.3	0.3
White NH ^{ef} 1992-14 -0.4* -0.4*		1992-14 -0	0.4*										-0.4*	-0.4*
Black 1992-14 -1.8* -1.8* -1.8*		1992-14 -1	L.8*										-1.8*	-1.8*
Black NH ^{ef} 1992-14 -1.7* -1.7*		1992-14 -1	L.7*										-1.7*	-1.7*
API ^e 1992-14 -0.8* -0.8* -0.8*	API ^e												-0.8*	
AI/AN ^{eg} 1992-14 0.2 0.2 0.2		1992-14 0	0.2										0.2	0.2
Hispanic ^f 1992-14 -0.3 -0.3 -0.3	Hispanic ^f	1992-14 -0).3										-0.3	-0.3
U.S. Cancer Mortality ^c , 1975-2014	U.S. Cancer Mortal	ity ^c , 1975-201	4											
All Races 1975-90 -0.9* 1990-04 -2.4* 2004-14 -1.2* -1.2* -1.2*	All Races	1975-90 -0).9* 1990-04	-2.4*	2004-14	-1.2*							-1.2*	-1.2*
White 1975-90 -1.0* 1990-03 -2.3* 2003-14 -1.1* -1.1* -1.1*	White	1975-90 -1	L.O* 1990-03	-2.3*	2003-14	-1.1*							-1.1*	-1.1*
Black 1975-94 -0.6* 1994-05 -4.5* 2005-14 -1.6 -1.6 -1.6	Black	1975-94 -0).6* 1994-05	-4.5*	2005-14	-1.6							-1.6	-1.6
U.S. Cancer Mortality ^c , 1992-2014	U.S. Cancer Mortal	ity ^c , 1992-201	4											
All Races 1992-04 -2.4* 2004-14 -1.2* -1.2* -1.2*	All Races	1992-04 -2	2.4* 2004-14	-1.2*									-1.2*	-1.2*
White 1992-03 -2.3* 2003-14 -1.1* -1.1* -1.1*	White	1992-03 -2	2.3* 2003-14	-1.1*									-1.1*	-1.1*
White NH ^{ef} 1992-03 -2.2* 2003-14 -1.0* -1.0*				-1.0*										
Black 1992-14 -3.2* -3.2* -3.2*														
Black NH ^{ef} 1992-14 -3.2* -3.2*														
API ^e 1992-14 -1.9* -1.9* -1.9*													-1.9*	
AI/AN ^{eg} 1992-14 -2.0 -2.0 -2.0														
Hispanic ^f 1992-14 -0.9* -0.9*	Hispanic ^f	1992-14 -0).9*										-0.9*	-0.9*

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

- Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).
- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
- API Asian/Pacific Islander, AI/AN American Indian/Alaska Native, NH Non-Hispanic
- Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.
- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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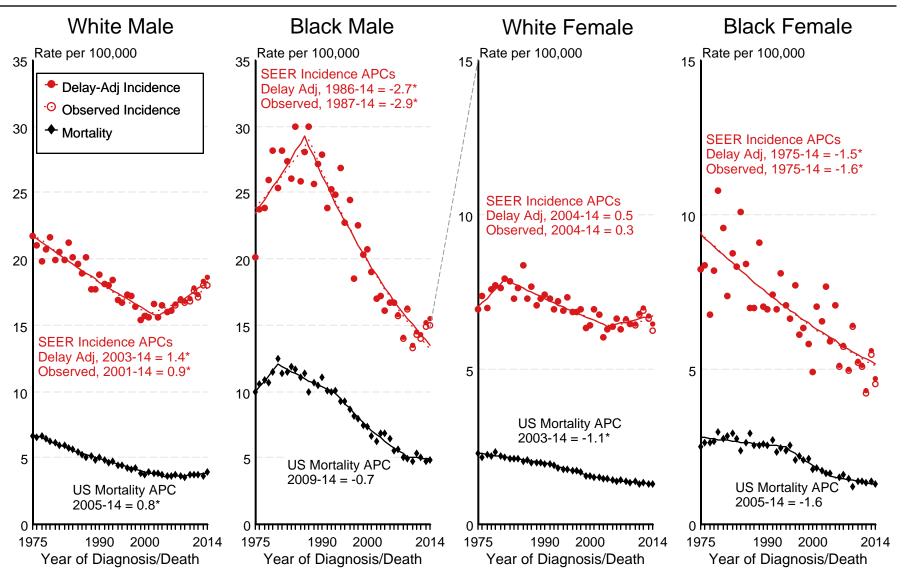
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Figure 20.1

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

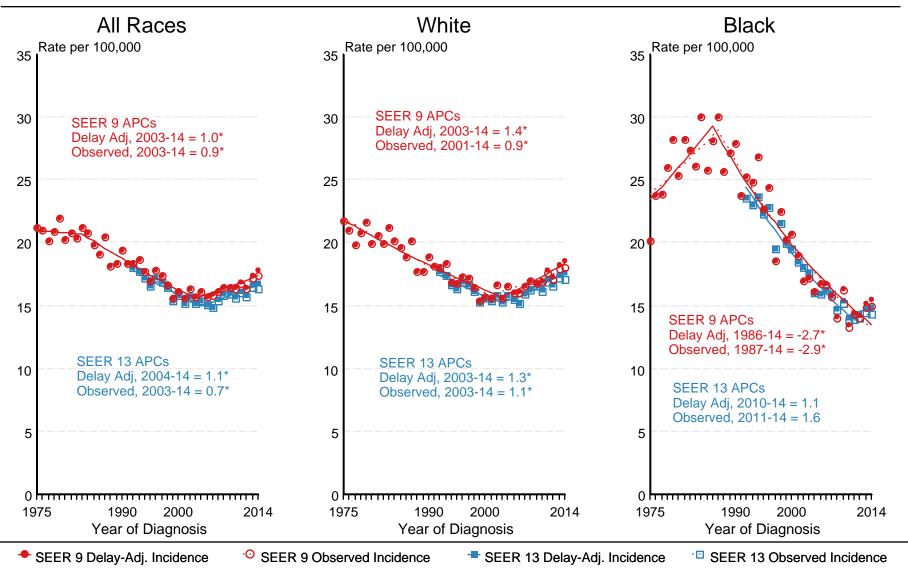


Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).

^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute.
The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.

Figure 20.4

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



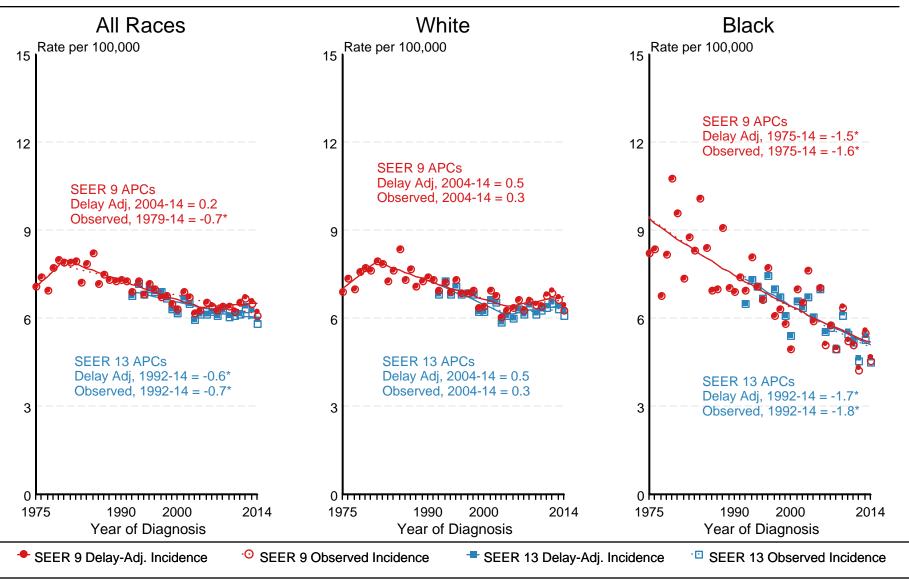
Source: SEER 9 areas and SEER 13 areas.

^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute.

The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.

Figure 20.5

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



Source: SEER 9 areas and SEER 13 areas.

^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.

Table 21.1 Cancer of the Ovary (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints,

All Ages by Race/Ethnicity

	JP Tre	end 1	JP Tre	end 2	JP Tre	end 3	JP Tre	end 4	JP Tre	end 5	JP Tre	end 6	AAF	Cd
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14
SEER 9 Delay-Adjust	ed Incide	nce ^a , 197	5-2014											
All Races	1975-85	0.2	1985-01	-0.7*	2001-14	-1.3*							-1.3*	-1.3*
White	1975-81	-0.9	1981-84	2.6	1984-10	-0.9*	2010-14	-2.7*					-1.7*	-2.7*
Black	1975-14	-0.4*											-0.4*	-0.4*
<u>SEER 13 Delay-Adjus</u>	sted Incide	ence ^b , 19	92-2014											
All Races	1992-12	-0.9*	2012-14	-3.6									-1.5*	-2.3
White	1992-97	-1.2	1997-01	0.5	2001-04	-3.1	2004-10	-0.3	2010-14	-2.8*			-1.4*	-2.8*
Black	1992-14	-0.4											-0.4	-0.4
SEER 9 Observed Inc	cidence ^a , 1	<u>1975-2014</u>												
All Races	1975-87	0.1	1987-10	-0.9*	2010-14	-3.1*							-1.9*	-3.1*
White	1975-89	0.1	1989-10	-1.0*	2010-14	-3.1*							-1.9*	-3.1*
Black	1975-14	-0.5*											-0.5*	-0.5*
SEER 13 Observed Ir	ncidence ^b ,	1992-201	4											
All Races	1992-12	-1.0*	2012-14	-4.7									-1.8*	-2.9*
White	1992-97	-1.2	1997-01	0.5	2001-04	-3.1	2004-10	-0.3	2010-14	-3.3*			-1.7*	-3.3*
White NH ^{ef}	1992-09	-0.9*	2009-14	-2.7*									-1.9*	-2.7*
Black	1992-14	-0.5*											-0.5*	-0.5*
Black NH ^{ef}	1992-14	-0.5*											-0.5*	-0.5*
API ^e	1992-14	-0.5*											-0.5*	-0.5*
AI/AN ^{eg}	1992-14	-0.5											-0.5	-0.5
Hispanic ^f	1992-14	-0.5*											-0.5*	-0.5*
U.S. Cancer Mortali	lty ^c , 1975-	-2014												
All Races	1975-82	-1.2*	1982-92	0.3*	1992-98	-1.2*	1998-03	0.6	2003-14	-2.2*			-2.2*	-2.2*
White	1975-81	-1.5*	1981-92	0.3*	1992-98	-1.0*	1998-03	0.6	2003-14	-2.2*			-2.2*	-2.2*
Black	1975-93	0.4*	1993-14	-1.0*									-1.0*	-1.0*
U.S. Cancer Mortali	lty ^c , 1992-	-2014												
All Races	1992-98	-1.2*	1998-03	0.6	2003-14	-2.2*							-2.2*	-2.2*
White	1992-98	-1.1*	1998-03	0.7	2003-14	-2.2*							-2.2*	-2.2*
White NH ^{ef}	1992-05	-0.2*	2005-14	-2.4*									-2.4*	-2.4*
Black	1992-14	-1.1*											-1.1*	-1.1*
Black NH ^{ef}	1992-14	-1.0*											-1.0*	-1.0*
API ^e	1992-14	-0.5*											-0.5*	-0.5*
AI/AN ^{eg}	1992-14	-0.2											-0.2	-0.2
Hispanic ^f	1992-14	-0.7*											-0.7*	-0.7*

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

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (https://surveillance.cancer.gov/joinpoint/).

- The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups Census P25-1130).
- Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).
- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
- API Asian/Pacific Islander, AI/AN American Indian/Alaska Native, NH Non-Hispanic
- Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.
- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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Table 21.2 Cancer of the Ovary (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Ages <65 by Race/Ethnicity

	JP Tren	nd 1	JP Tre	end 2	JP Tre	end 3	JP Tre	end 4	JP Tre	end 5	JP Tr	end 6	AAP	Cq
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14
SEER 9 Delay-Adjus	sted Incidend	ce ^a , 197	5-2014											
All Races	1975-14	-1.1*											-1.1*	-1.1*
White	1975-14	-1.1*											-1.1*	-1.1*
Black	1975-14	-0.7*											-0.7*	-0.7*
<u>SEER 13 Delay-Adju</u>	usted Incider	nce ^b , 19	92-2014											
All Races	1992-14	-0.8*											-0.8*	-0.8*
White	1992-14	-1.0*											-1.0*	-1.0*
Black	1992-14	0.0											0.0	0.0
SEER 9 Observed In	ncidence ^a , 19	975-2014												
All Races	1975-14	-1.1*											-1.1*	-1.1*
White	1975-14	-1.1*											-1.1*	-1.1*
Black	1975-14	-0.8*											-0.8*	-0.8*
SEER 13 Observed I	Incidence ^b , 1	L992-201	4											
All Races	1992-14	-0.9*	_										-0.9*	-0.9*
White	1992-14	-1.0*											-1.0*	-1.0*
White NH ^{ef}	1992-14	-1.2*											-1.2*	-1.2*
Black	1992-14	-0.2											-0.2	-0.2
Black NH ^{ef}	1992-14	-0.1											-0.1	-0.1
API ^e	1992-14	-0.3											-0.3	-0.3
AI/AN ^{eg}	1992-14	-2.0											-2.0	-2.0
Hispanic ^f	1992-14	-0.1											-0.1	-0.1
U.S. Cancer Mortal	lity ^c , 1975-2	2014												
All Races	1975-80	-3.2*	1980-99	-1.6*	1999-02	0.5	2002-14	-2.7*					-2.7*	-2.7*
White	1975-80	-3.3*	1980-99	-1.5*	1999-02	0.5	2002-14	-2.7*					-2.7*	-2.7*
Black	1975-96	-1.9*	1996-01	0.8	2001-14	-2.0*							-2.0*	-2.0*
U.S. Cancer Mortal	lity ^c , 1992-2	2014												
All Races	1992-98	-2.3*	1998-02	0.5	2002-14	-2.7*							-2.7*	-2.7*
White	1992-98	-2.2*	1998-02	0.6	2002-14	-2.7*							-2.7*	-2.7*
White NH ^{ef}	1992-05	-1.1*	2005-14	-3.1*									-3.1*	-3.1*
Black	1992-14	-1.3*											-1.3*	-1.3*
Black NH ^{ef}	1992-14	-1.2*											-1.2*	-1.2*
API ^e	1992-14	-1.2*											-1.2*	-1.2*
AI/AN ^{eg}	1992-14	-1.7											-1.7	-1.7
Hispanic ^f	1992-14	-0.8*											-0.8*	-0.8*

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

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (https://surveillance.cancer.gov/joinpoint/).

- The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups Census P25-1130).
- Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).
- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
- API Asian/Pacific Islander, AI/AN American Indian/Alaska Native, NH Non-Hispanic
- Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.
- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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Table 21.3 Cancer of the Ovary (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Ages 65+ by Race/Ethnicity

	JP Tre	end 1	JP Tre	end 2	JP Tre	end 3	JP Tre	end 4	JP Tre	end 5	JP Tre	end 6	AAF	PC ^d
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14
SEER 9 Delay-Adjus	ted Incider	nce ^a . 197	5-2014											
All Races	1975-90	1.5*	1990-14	-1.1*									-1.1*	-1.1*
White	1975-91	1.4*	1991-14	-1.1*									-1.1*	-1.1*
Black	1975-14	-0.2											-0.2	-0.2
<u>SEER 13 Delay-Adju</u>	sted Incide	ence ^b , 19	92-2014											
All Races	1992-09	-0.9*	2009-14	-3.0*									-2.1*	-3.0*
White	1992-09	-0.8*	2009-14	-3.0*									-2.0*	-3.0*
Black	1992-14	-0.7											-0.7	-0.7
<u>SEER 9 Observed In</u>	ncidence ^a , 1	975-2014												
All Races	1975-90	1.4*	1990-10	-1.0*	2010-14	-3.9*							-2.3*	-3.9*
White	1975-91	1.4*	1991-14	-1.1*									-1.1*	-1.1*
Black	1975-14	-0.2											-0.2	-0.2
SEER 13 Observed I	ncidence ^b ,	1992-201	.4											
All Races	1992-10	-1.0*	2010-14	-4.1*									-2.4*	-4.1*
White	1992-10	-0.9*	2010-14	-4.2*									-2.4*	-4.2*
White NH ^{ef}	1992-09	-0.8*	2009-14	-3.4*									-2.3*	-3.4*
Black	1992-14	-0.9*											-0.9*	-0.9*
Black NH ^{ef}	1992-14	-0.9*											-0.9*	-0.9*
API ^e	1992-14	-0.9*											-0.9*	-0.9*
AI/AN ^{eg}	1992-14	0.5											0.5	0.5
Hispanic ^f	1992-14	-1.1*											-1.1*	-1.1*
U.S. Cancer Mortal	ity ^c , 1975-	2014												
All Races	1975-84	0.6*	1984-91	1.6*	1991-05	0.0	2005-14	-2.1*					-2.1*	-2.1*
White	1975-84	0.5*	1984-91	1.7*	1991-98	-0.3	1998-04	0.7	2004-14	-2.0*			-2.0*	-2.0*
Black	1975-92	2.3*	1992-14	-0.9*									-0.9*	-0.9*
<u>U.S. Cancer Mortal</u>	ity ^c , 1992-	2014												
All Races	1992-05	0.0	2005-14	-2.1*									-2.1*	-2.1*
White	1992-05	0.1	2005-14	-2.1*									-2.1*	-2.1*
White NH ^{ef}	1992-05	0.3*	2005-14	-2.1*									-2.1*	-2.1*
Black	1992-14	-0.9*											-0.9*	-0.9*
Black NH ^{ef}	1992-14	-0.8*											-0.8*	-0.8*
API ^e	1992-06	1.8*	2006-14	-2.8*									-2.3*	-2.8*
AI/AN ^{eg}	1992-14	0.5											0.5	0.5
Hispanic ^f	1992-14	-0.6*											-0.6*	-0.6*

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

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (https://surveillance.cancer.gov/joinpoint/).

- The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups Census P25-1130).
- Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).
- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
- API Asian/Pacific Islander, AI/AN American Indian/Alaska Native, NH Non-Hispanic
- Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.
- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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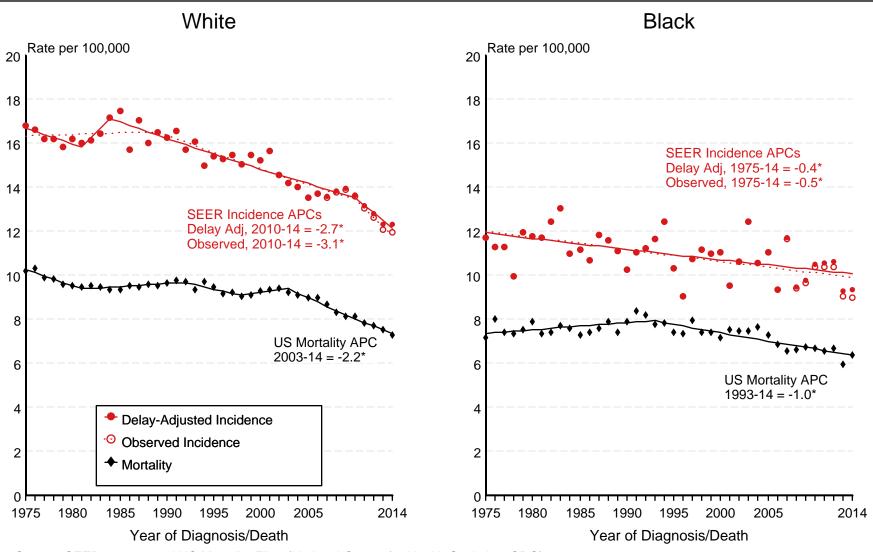
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SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates^a Cancer of the Ovary, by Race



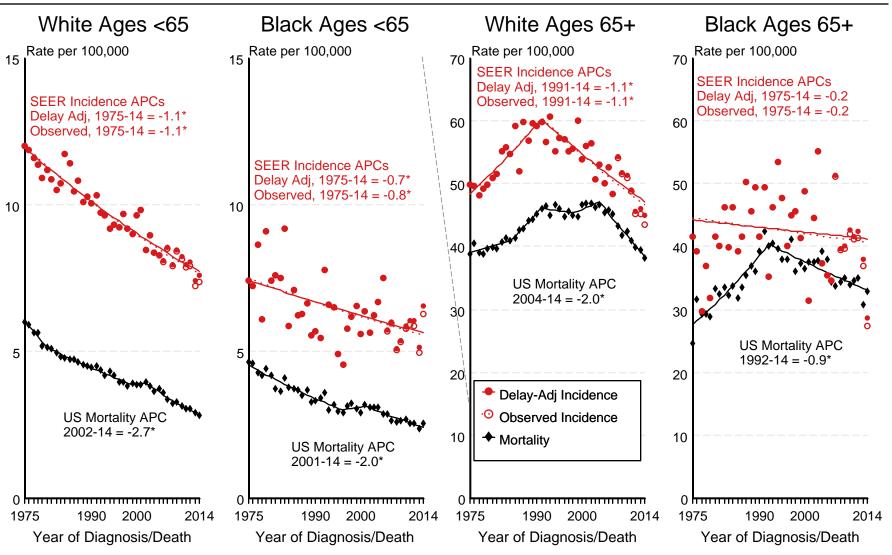
Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).

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

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

Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.

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



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

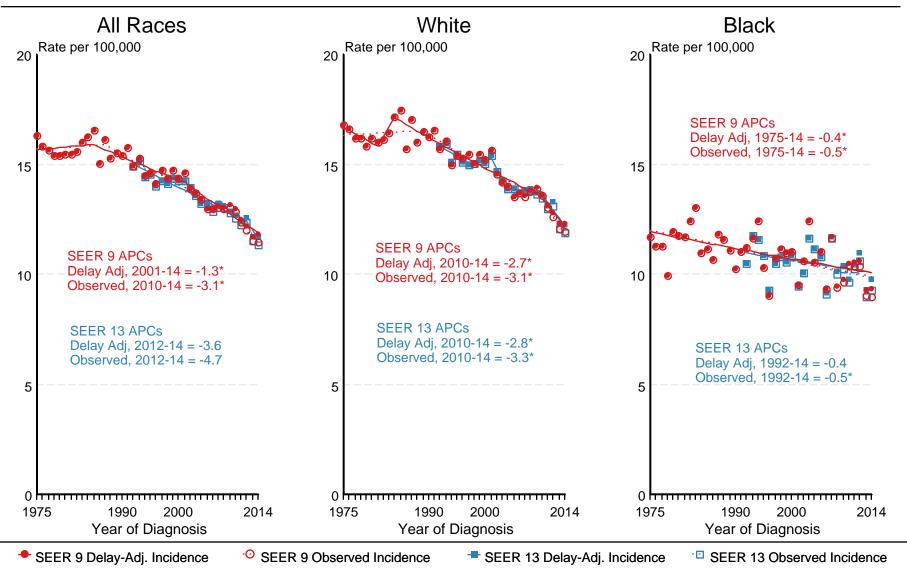
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

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

Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.

Figure 21.4

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



Source: SEER 9 areas and SEER 13 areas.

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

Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend. * The APC is significantly different from zero (p < 0.05).

Table 22.1 Cancer of the Pancreas (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Both Sexes by Race/Ethnicity

	JP Trei	nd 1	JP Tre	end 2	JP Tre	end 3	JP Tre	end 4	JP Tre	nd 5	JP Tre	end 6	AAF	C^d
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14
SEER 9 Delay-Adjus	ted Inciden	ce ^a . 197	5-2014											
All Races	1975-78	-2.2	1978-84	1.3	1984-89	-1.5	1989-01	0.0	2001-08	1.7*	2008-14	0.3	0.8*	0.3
White	1975-97	-0.3*	1997-14	1.1*									1.1*	1.1*
Black	1975-14	-0.1											-0.1	-0.1
SEER 13 Delay-Adju	atod Traddo	maab 10	02 2014											
All Races	1992-01	-0.1	2001-05	2.0	2005-14	0.6*							0.6*	0.6*
White	1992-01	0.1	1999-14	1.1*	2003-14	0.0							1.1*	1.1*
Black	1992-01	-1.8*	2001-05	2.7	2005-14	-0.6							-0.6	-0.6
				2.7	2005 11	0.0							0.0	0.0
SEER 9 Observed In			-											
All Races	1975-78	-2.2	1978-84	1.3*	1984-89	-1.4	1989-00	0.0	2000-09	1.5*	2009-14	-0.2	0.5*	-0.2
White	1975-99	-0.3*	1999-07	1.7*	2007-14	0.4							0.6	0.4
Black	1975-14	-0.1											-0.1	-0.1
SEER 13 Observed In	ncidence ^b , 1	1992-201	.4											
All Races	1992-01	-0.1	2001-06	1.8*	2006-14	0.3							0.4*	0.3
White	1992-01	0.2	2001-06	1.9*	2006-14	0.4							0.6*	0.4
White NH ^{ef}	1992-00	0.1	2000-06	1.7*	2006-14	0.5*							0.7*	0.5*
Black	1992-01	-1.8*	2001-05	2.8	2005-14	-0.9							-0.9	-0.9
Black NH ^{ef}	1992-01	-1.8*	2001-05	2.9	2005-14	-0.8							-0.8	-0.8
API ^e	1992-14	0.6*											0.6*	0.6*
AI/AN ^{eg}	1992-97	20.9*	1997-14	-1.1									-1.1	-1.1
Hispanic ^f	1992-14	0.6*											0.6*	0.6*
U.S. Cancer Mortal	itv ^c . 1975-2	2014												
All Races	1975-02	-0.1*	2002-06	0.9	2006-14	0.0							0.1	0.0
White	1975-96	-0.2*	1996-14	0.4*									0.4*	0.4*
Black	1975-89	1.1*	1989-14	-0.5*									-0.5*	-0.5*
H. C. Common Montal		0.01.4												
<u>U.S. Cancer Mortal</u> All Races	<u>159°, 1992-2</u> 1992-96	$\frac{2014}{-0.7}$	1996-10	0.4*	2010-14	-0.1							0.1	-0.1
White	1992-96	-0.7	1996-10	0.4*	2010-14	-0.1							0.1	-0.1 0.4*
White NH ^{ef}	1992-96	-0.4	1996-14	0.4*									0.4*	0.4*
Black	1992-96	-0.2 -2.4*	1996-14 1995-14	-0.4*									-0.4*	-0.4*
Black NH ^{ef}	1992-95	-2.4*	1995-14	-0.4*									-0.4*	-0.4* -0.4*
API ^e	1992-14 1992-94	-0.4^ 8.8	1994-97	-4.4	1997-12	0.5*	2012-14	2 0					-0.4^ -0.3	-0.4^ -1.3
AP1 ⁻ AI/AN ^{eg}	1992-94 1992-14	8.8 1.4*	1994-9/	-4.4	199/-12	0.5*	2012-14	-3.0					-0.3 1.4*	$^{-1.3}$ 1.4*
Hispanic ^f	1992-14 1992-14	⊥.4^ 0.2*											1.4^0.2*	1.4^
птеранис	1992-14	0.2"											0.2*	0.2"

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta). Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).

- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
- API Asian/Pacific Islander, AI/AN American Indian/Alaska Native, NH Non-Hispanic
- Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.
- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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Table 22.2 Cancer of the Pancreas (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Males 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	AAF	$^{\rm C^d}$
	Years APC		APC	Years	APC	Years	APC	Years	APC	Years	APC		2010-14
SEER 9 Delay-Adjus	ted Incidence ^a .	1975-2014											
All Races	1975-95 -0.8		0.9*									0.9*	0.9*
White	1975-94 -1.0		1.0*									1.0*	1.0*
Black	1975-14 -0.3	3*										-0.3*	-0.3*
SEER 13 Delay-Adju	atod Ingidongo ^b	1002 2014											
All Races	1992-03 0.0		2.7	2006-14	0.5*							0.8*	0.5*
White	1992-03 0.0		2.1	2000-14	0.5							0.9*	0.9*
Black	1992-14 -0.1											-0.1	-0.1
												0.1	0.1
SEER 9 Observed In						0006 14						0 5	
All Races	1975-93 -0.8		0.2	2003-06	3.0	2006-14	0.2					0.5	0.2
White	1975-94 -1.0		0.9*									0.9*	0.9*
Black	1975-14 -0.4	4^										-0.4*	-0.4*
<u>SEER 13 Observed I</u>	ncidence ^b , 1992-	-2014											
All Races	1992-03 0.0		2.8	2006-14	0.3							0.5*	0.3
White	1992-14 0.8											0.8*	0.8*
White NH ^{ef}	1992-14 0.8											0.8*	0.8*
Black	1992-14 -0.2											-0.2	-0.2
Black NH ^{ef}	1992-14 -0.2											-0.2	-0.2
API ^e	1992-14 0.1											0.1	0.1
AI/AN ^{eg}	1992-14 1.0											1.6	1.6
Hispanic ^f	1992-14 0.	7*										0.7*	0.7*
U.S. Cancer Mortal	ity ^c , 1975-2014												
All Races	1975-86 -0.8	8* 1986-00	-0.3*	2000-14	0.3*							0.3*	0.3*
White	1975-86 -1.0	0* 1986-97	-0.3*	1997-14	0.4*							0.4*	0.4*
Black	1975-89 0.0	6* 1989-14	-0.8*									-0.8*	-0.8*
U.S. Cancer Mortal	itv ^c . 1992-2014												
All Races	1992-95 -1.3	3 1995-14	0.2*									0.2*	0.2*
White	1992-96 -0.0	6 1996-14	0.4*									0.4*	0.4*
White NH ^{ef}	1992-14 0.3	3*										0.3*	0.3*
Black	1992-95 -3.8	8* 1995-14	-0.6*									-0.6*	-0.6*
Black NH ^{ef}	1992-14 -0.0	б*										-0.6*	-0.6*
API ^e	1992-14 -0.4	4										-0.4	-0.4
AI/AN ^{eg}	1992-14 1.9	9*										1.9*	1.9*
Hispanic ^f	1992-14 0.3	1										0.1	0.1

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
- API Asian/Pacific Islander, AI/AN American Indian/Alaska Native, NH Non-Hispanic
- Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.
- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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Table 22.3 Cancer of the Pancreas (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Females 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	AAF	PC^{d}
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14
SEER 9 Delay-Adjus	ted Incider	nce ^a , 195	5-2014											
All Races	1975-84	1.4*	1984-96	-0.5	1996-14	1.0*							1.0*	1.0*
White	1975-84	1.2*	1984-99	-0.3	1999-14	1.3*							1.3*	1.3*
Black	1975-14	0.1											0.1	0.1
SEER 13 Delay-Adju	sted Incide	ence ^b 10	92-2014											
All Races	1992-14	0.7*	<u> </u>										0.7*	0.7*
White	1992-14	0.8*											0.8*	0.8*
Black	1992-14	-0.2											-0.2	-0.2
SEER 9 Observed In	aideman ^a 1	075 201/												
All Races	1975-84	1.4*	1984-96	-0.5	1996-14	0.9*							0.9*	0.9*
White	1975-84	1.3*	1984-96	-0.6	1996-14	1.0*							1.0*	1.0*
Black	1975-14	0.1	1901 90	0.0	1990 11	1.0							0.1	0.1
SEER 13 Observed I	,	<u>1992-201</u> 0.7*	.4										0 7*	0 7*
All Races White	1992-14 1992-14	0.7*											0.7* 0.8*	0.7* 0.8*
White NH ^{ef}	1992-14	0.8*											0.8*	0.8*
Black	1992-14	-0.3											-0.3	-0.3
Black NH ^{ef}	1992-14	-0.3											-0.3	-0.3
API ^e	1992-14	1.1*											1.1*	1.1*
AI/AN ^{eg}	1992-14	-0.4											-0.4	-0.4
Hispanic ^f	1992-14	0.4											0.4	0.4
- U.S. Cancer Mortal	ity ^c 1075_	2014												
All Races	1975-84	0.8*	1984-02	0.1	2002-08	0.6*	2008-14	-0.2					0.1	-0.2
White	1975-83	0.7*	1983-02	0.1*	2002-08	0.8*	2008-14						0.2	-0.1
Black	1975-86	2.5*	1986-14	-0.3*	2002 00	0.0	2000 11	0.1					-0.3*	-0.3*
U.S. Cancer Mortal														
All Races	1992-97	-0.5	1997-08	0.5*	2008-14	-0.1							0.1	-0.1
White	1992-97	-0.4	1997-08	0.5	2008-14	0.0							0.2	0.0
White NH ^{ef}	1992-14	0.4*	1997 00	0.0	2000 11	0.0							0.2	0.4*
Black	1992-14	-0.4*											-0.4*	-0.4*
Black NH ^{ef}	1992-14	-0.3*											-0.3*	-0.3*
API ^e	1992-14	0.5*											0.5*	0.5*
AI/AN ^{eg}	1992-14	0.9											0.9	0.9
Hispanic ^f	1992-14	0.3*											0.3*	0.3*

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

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

- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
- API Asian/Pacific Islander, AI/AN American Indian/Alaska Native, NH Non-Hispanic
- Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.
- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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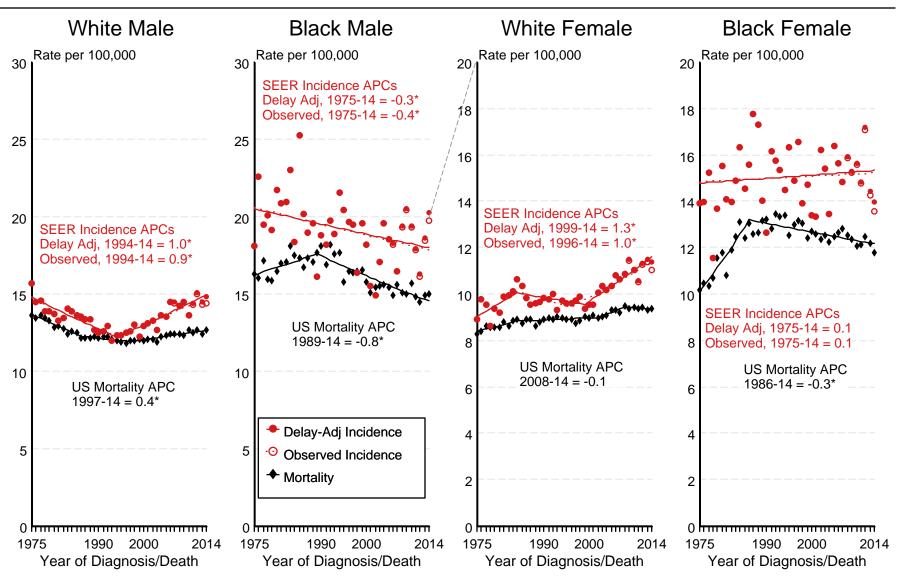
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SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates^a Cancer of the Pancreas, by Race and Sex



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

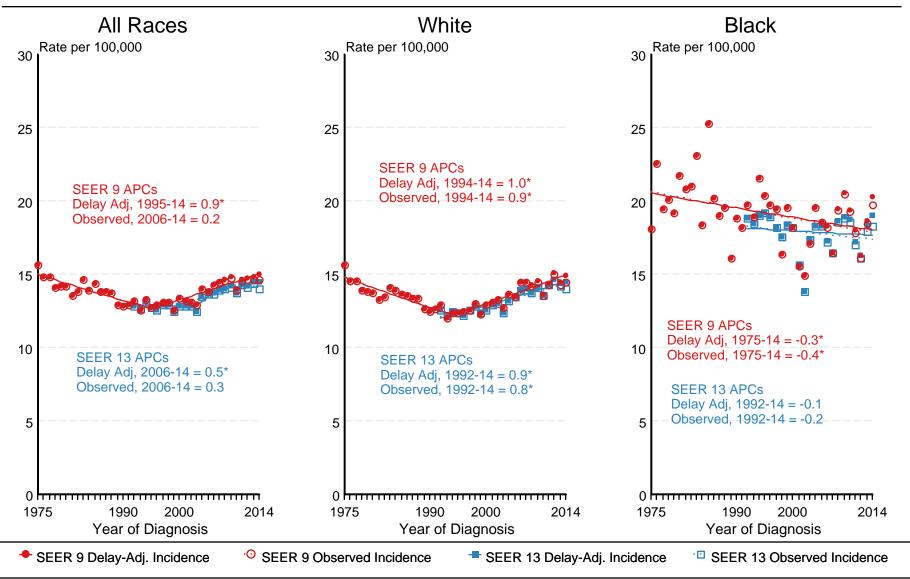
^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4. January 2017, National Cancer Institute. The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend. *

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

Figure 22.1

Figure 22.3

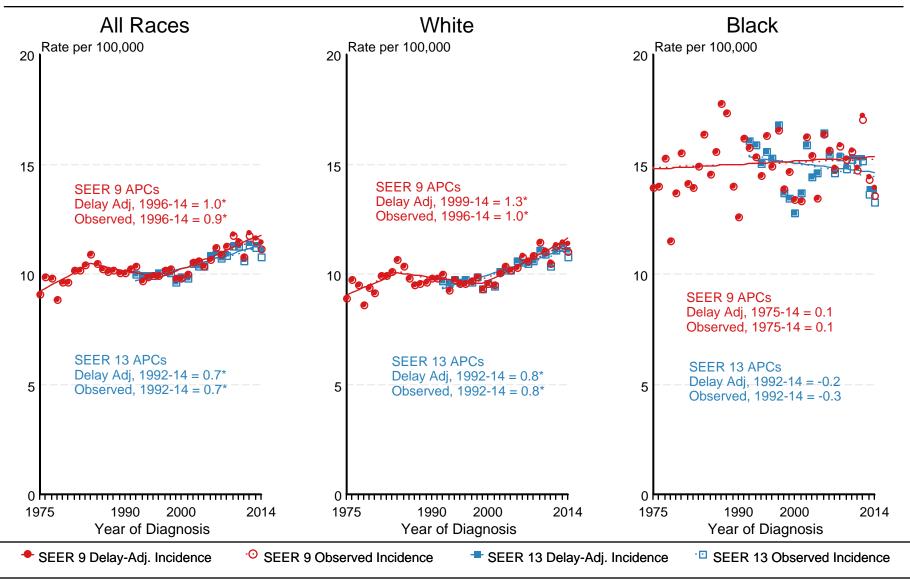
SEER Observed Incidence and SEER Delay Adjusted Incidence Rates^a SEER 9 Areas Compared to SEER 13 Areas Cancer of the Pancreas, Male, by Race



Source: SEER 9 areas and SEER 13 areas.

^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend. Figure 22.4

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



Source: SEER 9 areas and SEER 13 areas.

^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.

Table 23.1 Cancer of the Prostate (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints,

All Ages by Race/Ethnicity

	JP Tre	end 1	JP Tr	end 2	JP Tr	end 3	JP Tr	end 4	JP Tre	end 5	JP Tr	end 6	AAP	Cd
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14
SEER 9 Delay-Adjust	ed Incide	nce ^a , 197	5-2014											
All Races	1975-88	2.6*	1988-92	16.5*	1992-95	-11.6*	1995-00	2.3	2000-10	-1.8*	2010-14	-10.1*	-5.6*	-10.1*
White	1975-88	2.8*	1988-92	16.3*	1992-95	-12.6*	1995-00	2.7	2000-10	-1.9*	2010-14	-10.3*	-5.7*	-10.3*
Black	1975-89	2.1*	1989-92	19.0*	1992-10	-1.6*	2010-14	-9.1*					-5.0*	-9.1*
SEER 13 Delay-Adjus	sted Incid	lence ^b , 19	92-2014											
All Races	1992-95	-11.1*	1995-00	2.1	2000-10	-1.9*	2010-14	-10.0*					-5.6*	-10.0*
White	1992-95	-12.0*	1995-00	2.5	2000-10	-2.0*	2010-14	-10.3*					-5.8*	-10.3*
Black	1992-10	-1.7*	2010-14	-8.8*									-4.9*	-8.8*
SEER 9 Observed Inc	idence ^a , i	1975-2014	1											
All Races	1975-88	2.6*	1988-92	16.5*	1992-95		1995-00	2.3	2000-10	-1.9*	2010-14	-10.6*	-5.8*	-10.6*
White	1975-88	2.8*	1988-92	16.3*	1992-95	-12.6*	1995-00	2.7	2000-10	-2.0*	2010-14	-11.0*	-6.1*	-11.0*
Black	1975-89	2.1*	1989-92	19.2*	1992-10	-1.7*	2010-14	-10.2*					-5.5*	-10.2*
SEER 13 Observed Ir	ncidence ^b ,	1992-201	4											
All Races	1992-95		1995-00	2.1	2000-10	-2.0*	2010-14						-5.9*	-10.6*
White	1992-95		1995-00	2.5	2000-10	-2.1*	2010-14	-11.1*					-6.2*	-11.1*
White NH ^{ef}	1992-94		1994-01	1.0	2001-10	-2.0*	2010-14	-10.9*					-6.1*	-10.9*
Black	1992-10	-1.8*	2010-14	-10.1*									-5.6*	-10.1*
Black NH ^{ef}	1992-10	-1.7*	2010-14	-10.0*									-5.5*	-10.0*
API ^e	1992-97	-6.2*	1997-00	5.7	2000-07	-1.9*	2007-11	-5.7*	2011-14	-12.5*			-7.2*	-10.9*
AI/AN ^{eg}	1992-09	-1.4	2009-14	-9.9*									-6.2*	-9.9*
Hispanic ^f	1992-95	-4.8	1995-02	0.8	2002-10	-2.8*	2010-14	-10.4*					-6.3*	-10.4*
<u>U.S. Cancer Mortali</u>	.ty ^c , 1975	-2014												
All Races	1975-87	0.9*	1987-91	3.0*	1991-94	-0.5	1994-99	-4.1*	1999-14	-3.4*			-3.4*	-3.4*
White	1975-87	0.8*	1987-91	3.1*	1991-94	-0.7	1994-98	-4.5*	1998-12	-3.4*	2012-14	-1.6	-3.0*	-2.5*
Black	1975-88	1.9*	1988-93	3.2*	1993-01	-2.5*	2001-14	-4.2*					-4.2*	-4.2*
<u>U.S. Cancer Mortali</u>	.ty ^c , 1992	-2014												
All Races	1992-94	-1.7	1994-14	-3.5*									-3.5*	-3.5*
White	1992-94	-0.7	1994-99	-4.4*	1999-14	-3.3*							-3.3*	-3.3*
White NH ^{ef}	1992-94	-0.2	1994-98	-4.5*	1998-12	-3.4*	2012-14	-1.3					-3.0*	-2.4*
Black	1992-01	-2.2*	2001-14	-4.3*									-4.3*	-4.3*
Black NH ^{ef}	1992-01	-2.1*	2001-14	-4.2*									-4.2*	-4.2*
API ^e	1992-14	-3.4*											-3.4*	-3.4*
AI/AN ^{eg}	1992-14	-1.7*											-1.7*	-1.7*
Hispanic ^f	1992-94	4.9	1994-14	-2.8*									-2.8*	-2.8*

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

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

- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.

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

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

- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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Table 23.2 Cancer of the Prostate (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Ages <65 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	AAF	Cd
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14
SEER 9 Delay-Adjus	ted Incider	uce ^a 197	75-2014											
All Races	1975-88	3.1*	1988-92	23.4*	1992-01	3.3*	2001-09	0.2	2009-14	-8.2*			-4.6*	-8.2*
White	1975-88	3.5*	1988-92	23.1*	1992-01	3.1*	2001-09	0.1	2009-14	-8.6*			-4.8*	-8.6*
Black	1975-89	2.0*	1989-93	26.3*	1993-01	2.7*	2001-11	-0.7	2011-14				-4.0*	-8.0*
SEER 13 Delay-Adju	sted Incide	ence ^b , 19	92-2014											
All Races	1992-01	3.4*	2001-10	-0.5	2010-14	-9.9*							-4.8*	-9.9*
White	1992-01	3.3*	2001-10	-0.6	2010-14	-10.6*							-5.2*	-10.6*
Black	1992-00	3.7*	2000-10	-0.4	2010-14	-7.9*							-3.8*	-7.9*
SEER 9 Observed In	cidence ^a , 1	975-2014	Ł											
All Races	1975-88	3.1*	1988-92	23.4*	1992-01	3.3*	2001-09	0.2	2009-14	-8.5*			-4.8*	-8.5*
White	1975-88	3.5*	1988-92	23.1*	1992-01	3.1*	2001-09	0.1	2009-14	-9.1*			-5.1*	-9.1*
Black	1975-89	2.0*	1989-93	26.2*	1993-01	2.8*	2001-11	-0.9*	2011-14	-11.4*			-4.6*	-8.9*
SEER 13 Observed I	incidence ^b ,	1992-201	.4											
All Races	1992-01	3.4*	2001-10	-0.6	2010-14	-10.4*							-5.1*	-10.4*
White	1992-01	3.4*	2001-10	-0.7	2010-14	-11.3*							-5.5*	-11.3*
White NH ^{ef}	1992-01	3.3*	2001-10	-0.6	2010-14	-11.2*							-5.4*	-11.2*
Black	1992-00	3.8*	2000-10	-0.7	2010-14	-8.9*							-4.4*	-8.9*
Black NH ^{ef}	1992-00	3.7*	2000-10	-0.5	2010-14	-8.9*							-4.3*	-8.9*
API ^e	1992-01	6.1*	2001-09	0.6	2009-14	-8.6*							-4.6*	-8.6*
AI/AN ^{eg}	1992-09	-0.8	2009-14										-8.2*	-13.6*
Hispanic ^f	1992-02	4.4*	2002-10	-1.4*	2010-14	-8.9*							-4.8*	-8.9*
U.S. Cancer Mortal	ity ^c , 1975-	2014												
All Races	1975-87	0.5*	1987-90	3.0	1990-96	-3.1*	1996-00	-5.9*	2000-14				-1.3*	-1.3*
White	1975-87	0.7*	1987-90	3.0	1990-96	-3.6*	1996-00	-6.2*	2000-14	-1.1*			-1.1*	-1.1*
Black	1975-92	0.5*	1992-14	-2.9*									-2.9*	-2.9*
U.S. Cancer Mortal		2014												
All Races	1992-01	-4.5*	2001-14	-1.3*									-1.3*	-1.3*
White	1992-01	-4.7*	2001-14	-1.1*									-1.1*	-1.1*
White NH ^{ef}	1992-01	-4.7*	2001-14	-1.1*									-1.1*	-1.1*
Black	1992-04	-3.4*	2004-14	-2.3*									-2.3*	-2.3*
Black NH ^{ef}	1992-01	-3.7*	2001-14	-2.4*									-2.4*	-2.4*
API ^e	1992-14	-0.7											-0.7	-0.7
AI/AN ^{eg}	1992-14	-2.3*											-2.3*	-2.3*
Hispanic ^f	1992-14	-2.0*											-2.0*	-2.0*

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

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

- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.

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

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

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

- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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Table 23.3 Cancer of the Prostate (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Ages 65+ by Race/Ethnicity

	JP Trend 1	JP Trend 2	JP Trend 3	JP Trend 4	JP Trend 5	JP Trend 6	AAPC ^d
	Years APC	Years AP		Years APC	Years APC	Years APC	2005-14 2010-14
SEER 9 Delay-Adju	sted Incidence ^a 1	975-2014					
All Races	1975-88 2.5*		* 1992-95 -14.8*	1995-00 1.3	2000-10 -2.6*	2010-14 -10.1*	-6.0* -10.1*
White	1975-88 2.7*			1995-00 1.8	2000-10 -2.7*	2010-14 -10.2*	-6.1* -10.2*
Black	1975-89 2.0*	1989-92 20.	2* 1992-95 -9.2*	1995-09 -2.1*	2009-14 -8.5*		-5.7* -8.5*
SEER 13 Delay-Adj	usted Incidence ^b ,	1992-2014					
All Races	1992-95 -14.1*		2000-10 -2.6*	2010-14 -10.1*			-6.0* -10.1*
White	1992-95 -15.1*	1995-00 1.	5 2000-10 -2.6*	2010-14 -10.2*			-6.1* -10.2*
Black	1992-95 -8.4*	1995-09 -2.	4* 2009-14 -8.1*				-5.6* -8.1*
SEER 9 Observed I	ncidence ^a , 1975-20	14					
All Races	1975-88 2.5*	1988-92 15.	* 1992-95 -14.8*	1995-00 1.3	2000-10 -2.6*	2010-14 -10.6*	-6.3* -10.6*
White	1975-88 2.7*	1988-92 14.	9* 1992-95 -15.8*	1995-00 1.8	2000-10 -2.8*	2010-14 -10.9*	-6.5* -10.9*
Black	1975-89 2.0*	1989-92 20.	2* 1992-95 -9.0*	1995-09 -2.2*	2009-14 -9.4*		-6.3* -9.4*
SEER 13 Observed	Incidence ^b , 1992-2	014					
All Races	1992-95 -14.2*	1995-00 1.	2000-10 -2.7*	2010-14 -10.7*			-6.3* -10.7*
White	1992-95 -15.1*	1995-00 1.	5 2000-10 -2.8*	2010-14 -11.0*			-6.5* -11.0*
White NH ^{ef}	1992-95 -15.6*	1995-00 1.	5 2000-10 -2.7*	2010-14 -10.8*			-6.4* -10.8*
Black	1992-95 -8.3*	1995-09 -2.	5* 2009-14 -9.2*				-6.3* -9.2*
Black NH ^{ef}	1992-95 -8.4*	1995-09 -2.	5* 2009-14 -9.2*				-6.2* -9.2*
API ^e	1992-97 -7.7*	1997-00 4.	8 2000-07 -2.6*	2007-11 -6.5*	2011-14 -12.9*		-7.9* -11.3*
AI/AN ^{eg}	1992-14 -2.6*						-2.6* -2.6*
Hispanic ^f	1992-96 -6.0*	1996-99 3.	2 1999-10 -2.9*	2010-14 -11.4*			-6.8* -11.4*
U.S. Cancer Morta	lity ^c , 1975-2014						
All Races	1975-85 0.9*	1985-93 2.)* 1993-14 -3.6*				-3.6* -3.6*
White	1975-87 0.8*	1987-91 3.	2* 1991-94 -0.5	1994-98 -4.3*	1998-12 -3.5*	2012-14 -1.8	-3.1* -2.7*
Black	1975-88 2.1*	1988-93 3.	5* 1993-01 -2.5*	2001-10 -4.0*	2010-14 -5.8*		-4.8* -5.8*
U.S. Cancer Morta	lity ^c , 1992-2014						
All Races	1992-14 -3.5*						-3.5* -3.5*
White	1992-94 -0.5	1994-98 -4.	4* 1998-14 -3.4*				-3.4* -3.4*
White NH ^{ef}	1992-94 -0.2	1994-98 -4.	8* 1998-12 -3.5*	2012-14 -1.5			-3.1* -2.5*
Black	1992-01 -2.1*	2001-14 -4.	<u></u>				-4.4* -4.4*
Black NH ^{ef}	1992-01 -2.0*	2001-14 -4.	3*				-4.3* -4.3*
API ^e	1992-14 -3.5*						-3.5* -3.5*
AI/AN ^{eg}	1992-14 -1.6*						-1.6* -1.6*
Hispanic ^f	1992-94 3.8	1994-07 -2.	4* 2007-14 -3.8*				-3.5* -3.8*

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
- API Asian/Pacific Islander, AI/AN American Indian/Alaska Native, NH Non-Hispanic
- Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.
- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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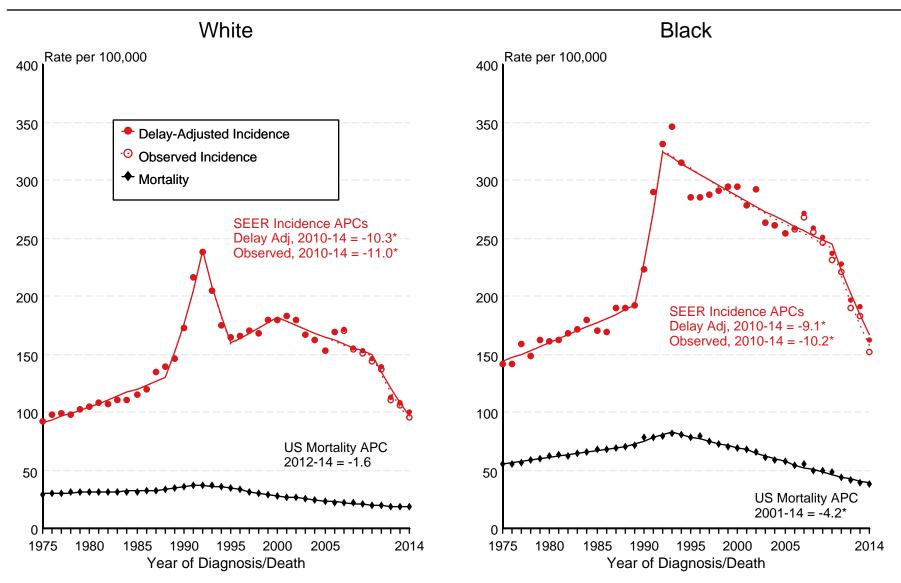
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SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates^a Cancer of the Prostate, by Race



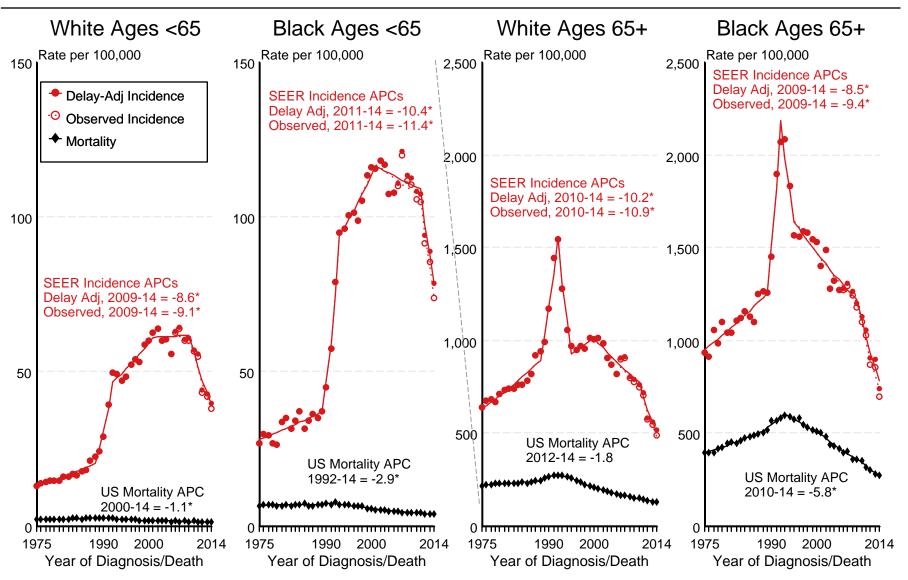
Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).

^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, 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^a Cancer of the Prostate, by Age and Race



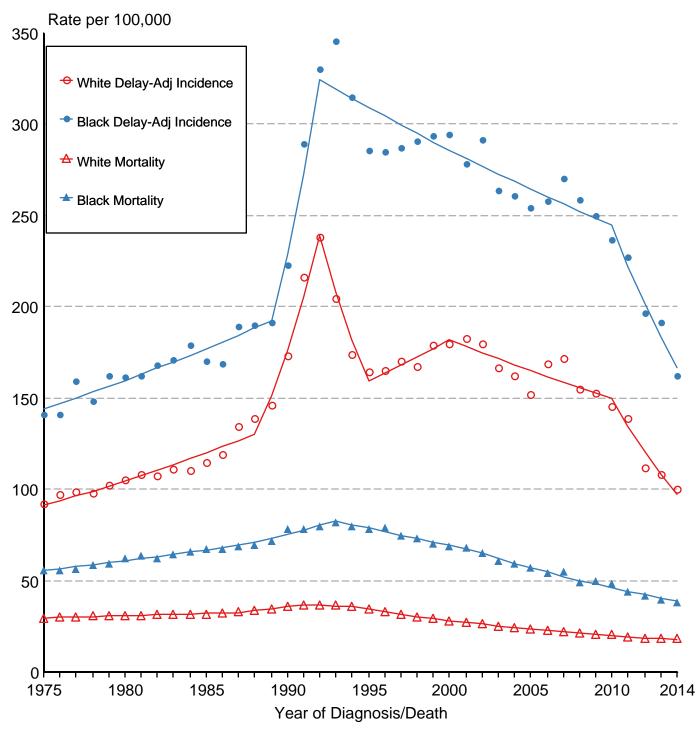
Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).

^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute.
The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.

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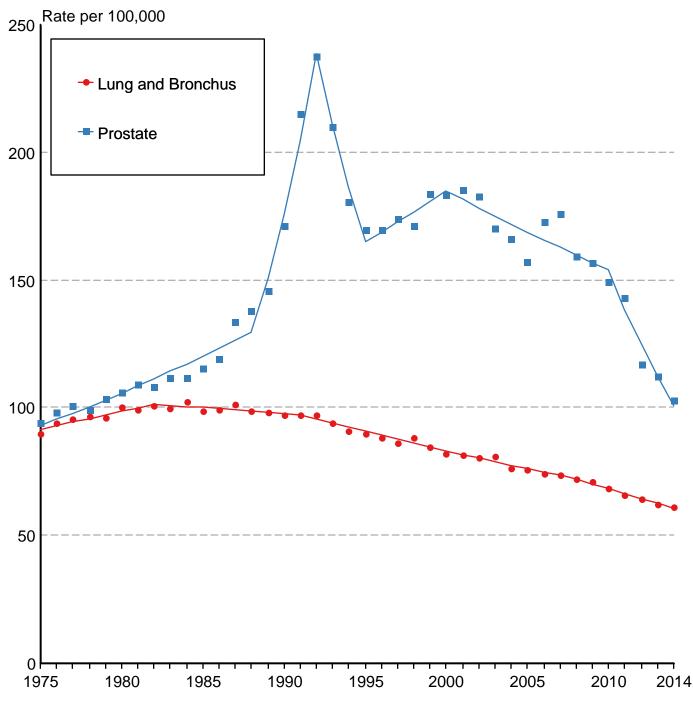
Figure 23.4

Cancer of the Prostate Delay-Adjusted SEER Incidence & US Mortality 1975-2014



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 4.4, January 2017, National Cancer Institute. Figure 23.5

Delay-Adjusted Incidence Rates for Cancer of the Prostate and Cancer of the Lung and Bronchus All Races, Males 1975-2014

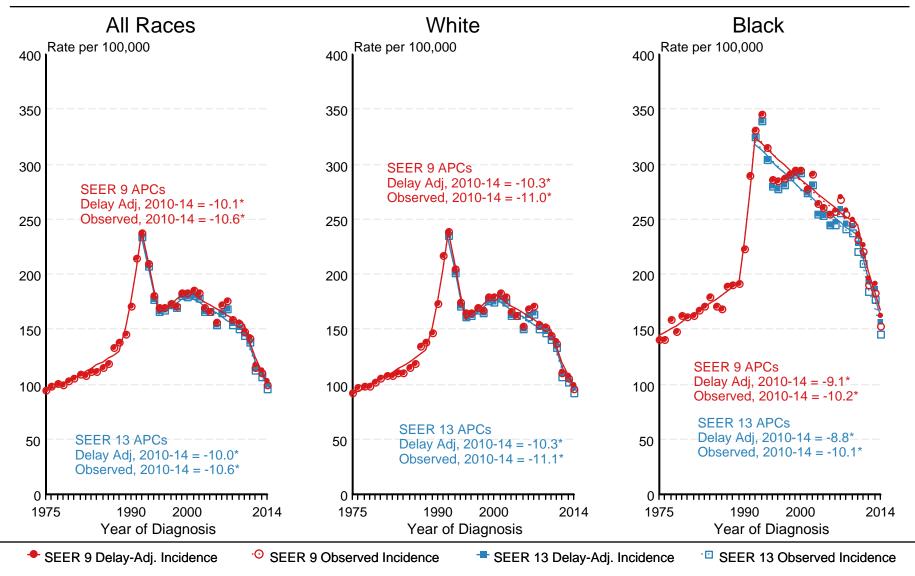


Year of Diagnosis

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 4.4, January 2017, National Cancer Institute.

Figure 23.6

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



Source: SEER 9 areas and SEER 13 areas.

^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4. January 2017, National Cancer Institute.

The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend. * The APC is significantly different from zero (p < 0.05).

Table 24.1 Cancer of the Stomach (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Both Sexes by Race/Ethnicity

	JP Tre	end 1	JP Tre	end 2	nd 2 JP Trend 3		JP Tre	end 4	JP Trend 5		JP Trend 6		AAP	PC ^d
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14
SEER 9 Delay-Adjus	ted Incide	75-2014												
All Races	1975-14	-1.5*											-1.5*	-1.5*
White	1975-97	-2.0*	1997-14	-1.2*									-1.2*	-1.2*
Black	1975-14	-1.4*											-1.4*	-1.4*
<u>SEER 13 Delay-Adju</u>	sted Incid	ence ^b , 19	992-2014											
All Races	1992-14	-1.2*											-1.2*	-1.2*
White	1992-14	-1.1*											-1.1*	-1.1*
Black	1992-14	-1.7*											-1.7*	-1.7*
SEER 9 Observed In	cidence ^a , 1	L975-2014	<u>1</u>											
All Races	1975-14	-1.5*											-1.5*	-1.5*
White	1975-97	-2.0*	1997-14	-1.3*									-1.3*	-1.3*
Black	1975-82	1.2	1982-14	-1.7*									-1.7*	-1.7*
SEER 13 Observed I	ncidence ^b ,	1992-201	4											
All Races	1992-14	-1.2*											-1.2*	-1.2*
White	1992-14	-1.1*											-1.1*	-1.1*
White NH ^{ef}	1992-14	-1.5*											-1.5*	-1.5*
Black	1992-14	-1.8*											-1.8*	-1.8*
Black NH ^{ef}	1992-14	-1.7*											-1.7*	-1.7*
API ^e	1992-14	-3.0*											-3.0*	-3.0*
AI/AN ^{eg}	1992-14	-0.3											-0.3	-0.3
Hispanic ^f	1992-14	-1.5*											-1.5*	-1.5*
U.S. Cancer Mortal	ity ^c , 1975-	-2014												
All Races	1975-87	-2.5*	1987-90	-0.3	1990-09	-3.0*	2009-14	-1.9*					-2.4*	-1.9*
White	1975-87	-2.8*	1987-90	-0.8	1990-08	-3.2*	2008-14	-1.9*					-2.3*	-1.9*
Black	1975-95	-1.3*	1995-14	-3.3*									-3.3*	-3.3*
U.S. Cancer Mortal	.ity ^c , 1992-	-2014												
All Races	1992-09	-3.0*	2009-14	-1.9*									-2.4*	-1.9*
White	1992-08	-3.2*	2008-14	-1.9*									-2.3*	-1.9*
White NH ^{ef}	1992-94	-1.2	1994-08	-3.6*	2008-14	-2.5*							-2.9*	-2.5*
Black	1992-96	-1.7*	1996-14	-3.3*									-3.3*	-3.3*
Black NH ^{ef}	1992-95	-0.7	1995-14	-3.2*									-3.2*	-3.2*
API ^e	1992-14	-3.8*											-3.8*	-3.8*
AI/AN ^{eg}	1992-14	-1.9*											-1.9*	-1.9*
Hispanic ^f	1992-14	-2.2*											-2.2*	-2.2*

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

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

- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
- API Asian/Pacific Islander, AI/AN American Indian/Alaska Native, NH Non-Hispanic
- Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.
- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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Table 24.2 Cancer of the Stomach (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Males by Race/Ethnicity

Years APC Years APC <th< th=""><th></th><th>JP Trend 1</th><th>JP Tren</th><th>d 2</th><th>JP Tre</th><th>end 3</th><th>JP Tre</th><th>end 4</th><th>JP Tre</th><th>end 5</th><th>JP Tre</th><th>end 6</th><th>AAP</th><th colspan="2">APC^d</th></th<>		JP Trend 1	JP Tren	d 2	JP Tre	end 3	JP Tre	end 4	JP Tre	end 5	JP Tre	end 6	AAP	APC ^d	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $			-		Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	SEER 9 Delay-Adius	sted Incidence ^a . 19	975-2014												
$\begin{array}{c c c c c c c c c c c c c c c c c c c $				-1.8*									-1.8*	-1.8*	
Black 1975-82 2.4 1982-14 -2.1* -2.1* -2.1* -2.1* SEER 13 Delay-Adjuted Incidence*, 1992-014 -1.6* -1.6* -1.6* -1.6* -1.6* Mite 1992-14 -1.5* -1.5* -1.5* -1.5* -1.5* Black 1975-80 -0.2 1980-14 -1.8* -1.8* -1.8* Mite 1975-80 -0.2 1980-14 -1.8* -1.8* -1.8* Black 1975-80 -0.2 1980-14 -2.1* -2.2* -2.	White												-1.8*	-1.8*	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Black	1975-82 2.4	1982-14 -	-2.1*									-2.1*	-2.1*	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	SFFR 13 Delay-Adi	sted Incidence ^b 1	992-2014												
$\begin{array}{cccccccccccccccccccccccccccccccccccc$			2011										-1.6*	-1.6*	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $															
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$															
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $			1.4												
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		•		-1 8*									-1 8*	-1 8*	
Black1975-822.51982-14 -2.1^* -2.1^* -2.1^* -2.1^* SEER 13 Observed Incidence ^b , 1992-101 $1992-101$ -1.7^* -1.7^* -1.7^* -1.7^* All Races1992-14 -1.6^* -1.6^* -1.6^* -1.6^* -1.6^* White NH ^{ef} 1992-14 -1.6^* -1.8^* -1.8^* -1.8^* -1.8^* Black1992-14 -2.2^* -2.2^* -2.2^* -2.2^* All Ante1992-14 -2.0^* -2.0^* -2.2^* All Ante1992-14 -2.0^* -2.0^* -2.0^* U.S. Cancer Mortality ^e , 1975-2014 -2.0^* $2008-14$ -2.3^* -2.7^* -2.7^* All Races1975-87 -2.3^* 1987-91 -1.0 1991-08 -3.5^* $2008-14$ -2.3^* -2.7^* -2.6^* U.S. Cancer Mortality ^e , 1975-93 -2.3^* 1987-91 -1.0 1991-08 -3.5^* $2008-14$ -2.3^* -2.7^* -2.7^* -2.6^* Black1975-93 -1.1^* 1993-06 -3.7^* $2008-14$ -2.3^* -2.7^* -2.7^* -2.6^* -2.1^* Mhite1975-93 -1.1^* 1994-06 -3.6^* $2006-14$ -2.1^* -2.6^* -2.1^* Black1992-04 -1.8^* 2006-14 -2.5^* -2.6^* -1.8^* -2.6^* -1.9^* Mhite1992-09 -3.6^* $2006-14$ -2.5^* -2.6^* -2.7^* -2.6^* -2.6^*			1900 11	1.0											
$\begin{array}{c c c c c c c c c c c c c c c c c c c $			1982-14 -	-2.1*											
All Races 1992.14 -1.7^* -1.7^* -1.7^* -1.7^* -1.7^* White 1992.14 -1.6^* -1.6^* -1.6^* -1.6^* -1.6^* White NH ^{ef} 1992.14 -2.2^* -2.2^* -2.2^* -2.2^* Black NH ^{ef} 1992.14 -2.2^* -2.2^* -2.2^* -2.2^* AI/AN ^{eg} 1992.14 -2.0^* -2.0^* -2.0^* -2.0^* U.S. Cancer Mortality ^c , $1975-2014$ -1.6^* -0.6 -0.6 Hispanic ^f 1992.14 -2.3^* $1987-91$ -1.0 $1991-08$ -3.5^* $2008-14$ -2.3^* White $1975-93$ -2.3^* $1987-91$ -1.0 $1991-08$ -3.5^* $2008-14$ -2.3^* White $1975-93$ -2.3^* $1993-08$ -3.7^* $2008-14$ -2.3^* -2.6^* -2.1^* Black $1975-93$ -1.4^* $1993-08$ -3.7^* $2008-14$ -2.3^* -2.6^* -2.1^* Black $1975-93$ -1.4^* $1993-08$ -3.7^* $2008-14$ -2.3^* -2.6^* -2.1^* White $1992-94$ -1.4^* $1994-06$ -3.6^* $2006-14$ -2.5^* -2.6^* -2.6^* -1.9^* White $1992-94$ -0.9 $1994-06$ -3.6^* $2006-14$ -2.6^* -3.2^* -3.2^* -3.2^* -3.2^* -3.2^* Black $1992-14$ -3.6^* $2006-14$ -2.6^* -3.6^* -3.2^* $-3.$															
White $1992-14$ -1.6^* -1.6^* -1.6^* -1.6^* White $1992-14$ -2.2^* -2.2^* -2.2^* Black $1992-14$ -2.2^* -2.2^* -2.2^* Apf* $1992-14$ -3.0^* -2.2^* -2.2^* AI/AN*9 $1992-14$ -2.0^* -2.0^* -2.0^* U.S. Cancer Mortality ^c , $1975-2014$ -2.0^* -2.0^* -2.0^* All Races $1975-87$ -2.3^* $1987-91$ -1.0 1991-08 -3.5^* $2008-14$ -2.3^* -2.7^* Black $1975-93$ -1.1^* $1991-08$ -3.5^* $2008-14$ All Races $1975-93$ -2.3^* -2.1^* -2.6^* Black $1975-93$ -1.1^* -2.1^* -2.6^* White $1992-09$ -3.6^* $2006-14$ -2.1^* Black $1992-94$ -1.4 $1994-06$ -3.6^* $2006-14$ All Races $1992-94$ -1.9 -2.6^* -2.6^* White $1992-09$ -3.6^* $2006-14$ -2.6^* Black $1992-94$ -9.19^* -3.6^* -2.6^* Black $1992-14$ -3.2^* -3.2^* Black $1992-14$ -3.2^* -3.2^* Black $1992-14$ -3.2^* -3.2^* Black $1992-14$ -3.8^* -3.8^* Apré $1992-14$ -3.8^* -3.8^* Apré $1992-14$ -3.8^* -3.8^* Apré $1992-14$			<u>J14</u>										1 7*	1 7*	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$															
Black $1992-14$ $-2.2*$ $-2.0*$ <															
Black NH^{ef} 1992-14-2.2*-2.2*-2.2*API^e1992-14-3.0*-3.0*-3.0*-3.0*AI/AN ^{eg} 1992-14-0.6-0.6-0.6-0.6Hispanic ^f 1992-14-2.0*-2.0*-2.0*-2.0*U.S. Cancer Mortality ^c , 1975-2014-2.3*1987-91-1.01991-08-3.5*2008-14-2.3*-2.7*-2.3*Mhite1975-93-2.3*1987-91-1.01991-08-3.5*2008-14-2.3*-2.6*-2.1*Black1975-93-1.1*1993-08-3.7*2008-14-2.1*-2.6*-2.1*Black1975-93-1.1*1993-14-3.3*-3.3*-3.3*-3.3*U.S. Cancer Mortality ^c , 1992-20141994-06-3.6*2006-14-2.5*-2.6*-2.1*All Races1992-94-1.41994-06-3.6*2006-14-2.5*-2.6*-3.1*-2.6*Mhite NH^{ef} 1992-94-0.91994-08-4.1*2008-14-2.6*-3.1*-2.6*-3.2*-3.2*Black1992-14-3.2*-3.2*-3.2*-3.2*-3.2*-3.2*-3.2*-3.2*-3.2*Black NH ^{eff} 1992-14-3.2*-3.2*-3.2*-3.2*-3.2*-3.2*-3.2*-3.2*-3.2*Black NH ^{eff} 1992-14-3.8*-3.8*-3.8*-3.8*-3.8*-3.8*-3.8*-3.8*-3.8*-3.8*-3.8*API ^e															
$\begin{array}{cccccccccccccccccccccccccccccccccccc$															
Hispanic ^f 1992-14 -2.0^* -2.0^* -2.0^* -2.0^* U.S. Cancer Mortality ^c , 1975-2014All Races1975-87 -2.3^* 1987-91 -1.0 1991-08 -3.5^* 2008-14 -2.3^* -2.7^* -2.7^* -2.3^* White1975-93 -2.3^* 1993-08 -3.7^* 2008-14 -2.1^* -2.6^* -2.1^* Black1975-93 -1.1^* 1993-14 -3.3^* -3.3^* -3.3^* -3.3^* -3.3^* U.S. Cancer Mortality ^c , 1992-2014All Races1992-94 -1.4 1994-06 -3.6^* 2006-14 -2.5^* -2.7^* -2.6^* -1.9^* All Races1992-94 -0.9 1994-08 -4.1^* 2008-14 -2.6^* -3.1^* -2.6^* -1.9^* White NH ^{ef} 1992-94 -0.9 1994-08 -4.1^* 2008-14 -2.6^* -3.2^* -3.2^* -3.2^* -3.2^* Black NH ^{ef} 1992-14 -3.2^* -3.2^* -3.2^* -3.2^* -3.2^* -3.2^* -3.2^* Black NH ^{ef} 1992-14 -3.8^* -4.1^* $208-14$ -2.6^* -3.8^* -3.8^* -3.8^* All An ^{eg} 1992-14 -3.8^* -4.1^* -2.6^* -1.8^* -1.8^* -1.8^*	API ^e														
U.S. Cancer Mortality ^c , 1975-2014 All Races $1975-87 - 2.3^*$ $1987-91 - 1.0$ $1991-08 - 3.5^*$ $2008-14 - 2.3^*$ -2.7^* -2.7^* -2.3^* Black1975-93 - 2.3^*1993-08 - 3.7^* $2008-14 - 2.1^*$ -2.1^* $-2.6^* - 2.1^*$ $-2.6^* - 2.1^*$ Black1975-93 - 1.1^*1993-14 - 3.3^* -3.3^* -3.3^* -3.3^* -3.3^* -3.3^* U.S. Cancer Mortality ^c , 1992-20141992-09 -3.6^* $2006-14$ -2.5^* -2.6^* $-2.6^* - 1.9^*$ All Races1992-94 - 1.41994-06 -3.6^* $2006-14$ -2.5^* -2.6^* -1.9^* White1992-09 -3.6^* $2009-14$ -1.9^* -2.6^* -2.6^* -1.9^* White NH ^{ef} 1992-94 -0.9 1994-08 -4.1^* $2008-14$ -2.6^* -3.1^* -2.6^* Black1992-14 -3.2^* -3.2^* -3.2^* -3.2^* Black NH ^{ef} 1992-14 -3.2^* -3.8^* -3.8^* -3.8^* AI/AN ^{eg} 1992-14 -1.8^* -1.8^* -1.8^* -1.8^*	AI/AN ^{eg}	1992-14 -0.6											-0.6	-0.6	
All Races $1975-87$ $-2.3*$ $1987-91$ -1.0 $1991-08$ $-3.5*$ $2008-14$ $-2.3*$ $-2.7*$ $-2.7*$ $-2.3*$ White $1975-93$ $-2.3*$ $1993-08$ $-3.7*$ $2008-14$ $-2.1*$ $-2.3*$ $-2.6*$ $-2.1*$ Black $1975-93$ $-1.1*$ $1993-14$ $-3.3*$ $-3.3*$ $-3.3*$ $-3.3*$ $-3.3*$ $-3.3*$ U.S. Cancer Mortality ^c , $1992-2014$ All Races $1992-94$ -1.4 $1994-06$ $-3.6*$ $2006-14$ $-2.5*$ $-2.6*$ $-2.7*$ $-2.6*$ White $1992-94$ -1.4 $1994-06$ $-3.6*$ $2006-14$ $-2.5*$ $-2.6*$ $-1.9*$ White NH ^{ef} $1992-94$ -0.9 $1994-08$ $-4.1*$ $2008-14$ $-2.6*$ $-3.1*$ $-2.6*$ Black $1992-14$ $-3.2*$ $-3.2*$ $-3.2*$ $-3.2*$ $-3.2*$ $-3.2*$ Black NH ^{ef} $1992-14$ $-3.8*$ $-3.8*$ $-3.8*$ $-3.8*$ $-3.8*$ AI/AN ^{eg} $1992-14$ $-1.8*$ $-1.8*$ $-1.8*$ $-1.8*$	Hispanic ^f	1992-14 -2.0*											-2.0*	-2.0*	
All Races $1975-87$ $-2.3*$ $1987-91$ -1.0 $1991-08$ $-3.5*$ $2008-14$ $-2.3*$ $-2.7*$ $-2.7*$ $-2.3*$ White $1975-93$ $-2.3*$ $1993-08$ $-3.7*$ $2008-14$ $-2.1*$ $-2.3*$ $-2.6*$ $-2.1*$ Black $1975-93$ $-1.1*$ $1993-14$ $-3.3*$ $-3.3*$ $-3.3*$ $-3.3*$ $-3.3*$ $-3.3*$ U.S. Cancer Mortality ^c , $1992-2014$ All Races $1992-94$ -1.4 $1994-06$ $-3.6*$ $2006-14$ $-2.5*$ $-2.6*$ $-2.7*$ $-2.6*$ White $1992-94$ -1.4 $1994-06$ $-3.6*$ $2006-14$ $-2.5*$ $-2.6*$ $-1.9*$ White NH ^{ef} $1992-94$ -0.9 $1994-08$ $-4.1*$ $2008-14$ $-2.6*$ $-3.1*$ $-2.6*$ Black $1992-14$ $-3.2*$ $-3.2*$ $-3.2*$ $-3.2*$ $-3.2*$ $-3.2*$ Black NH ^{ef} $1992-14$ $-3.8*$ $-3.8*$ $-3.8*$ $-3.8*$ $-3.8*$ AI/AN ^{eg} $1992-14$ $-1.8*$ $-1.8*$ $-1.8*$ $-1.8*$	U.S. Cancer Mortal	itv ^c . 1975-2014													
White $1975-93$ -2.3^* $1993-08$ -3.7^* $2008-14$ -2.1^* -2.6^* -2.1^* Black $1975-93$ -1.1^* $1993-14$ -3.3^* -3.3^* -3.3^* -3.3^* -3.3^* U.S. Cancer Mortality ^c , $1992-2014$ Hall Races $1992-94$ -1.4 $1994-06$ -3.6^* $2006-14$ -2.5^* -2.7^* -2.5^* All Races $1992-94$ -0.9 $1994-06$ -3.6^* $2006-14$ -2.5^* -2.6^* -1.9^* White $1992-09$ -3.6^* $2009-14$ -1.9^* -2.6^* -3.1^* -2.6^* White NH ^{ef} $1992-14$ -3.2^* -3.2^* -3.2^* -3.2^* Black $1992-14$ -3.2^* -3.2^* -3.2^* -3.2^* API ^e $1992-14$ -3.8^* -3.8^* -3.8^* -3.8^* AI/AN ^{eg} $1992-14$ -1.8^* -1.8^* -1.8^*			1987-91 -	-1.0	1991-08	-3.5*	2008-14	-2.3*					-2.7*	-2.3*	
U.S. Cancer Mortality ^c , 1992-2014All Races $1992-94$ -1.4 $1994-06$ $-3.6*$ $2006-14$ $-2.5*$ All Races $1992-09$ $-3.6*$ $2009-14$ $-1.9*$ $-2.6*$ $-1.9*$ White $1992-09$ $-3.6*$ $2009-14$ $-1.9*$ $-2.6*$ $-1.9*$ White NH ^{ef} $1992-14$ $-3.2*$ $-3.1*$ $-2.6*$ $-3.1*$ $-2.6*$ Black $1992-14$ $-3.2*$ $-3.2*$ $-3.2*$ $-3.2*$ $-3.2*$ API ^e $1992-14$ $-3.8*$ $-3.8*$ $-3.8*$ $-3.8*$ $-3.8*$ AI/AN ^{eg} $1992-14$ $-1.8*$ $-1.8*$ $-1.8*$ $-1.8*$															
All Races 1992-94 -1.4 1994-06 -3.6* 2006-14 -2.5* White 1992-09 -3.6* 2009-14 -1.9* -2.6* -1.9* White NH ^{ef} 1992-94 -0.9 1994-08 -4.1* 2008-14 -2.6* -3.1* -2.6* Black 1992-14 -3.2* -3.2* -3.2* -3.2* -3.2* -3.2* API ^e 1992-14 -3.8* -3.8* -3.8* -3.8* -3.8* AI/AN ^{eg} 1992-14 -1.8* -1.8* -1.8* -1.8*	Black	1975-93 -1.1*	1993-14 -	-3.3*									-3.3*	-3.3*	
All Races 1992-94 -1.4 1994-06 -3.6* 2006-14 -2.5* White 1992-09 -3.6* 2009-14 -1.9* -2.6* -1.9* White NH ^{ef} 1992-94 -0.9 1994-08 -4.1* 2008-14 -2.6* -3.1* -2.6* Black 1992-14 -3.2* -3.2* -3.2* -3.2* -3.2* -3.2* API ^e 1992-14 -3.8* -3.8* -3.8* -3.8* -3.8* AI/AN ^{eg} 1992-14 -1.8* -1.8* -1.8* -1.8*	II S Cancer Mortal	ity ^c 1992-2014													
White 1992-09 -3.6* 2009-14 -1.9* White NH ^{ef} 1992-94 -0.9 1994-08 -4.1* 2008-14 -2.6* Black 1992-14 -3.2* -3.2* -3.2* -3.2* -3.2* Black NH ^{ef} 1992-14 -3.2* -3.2* -3.2* -3.2* API ^e 1992-14 -3.8* -3.8* -3.8* -3.8* AI/AN ^{eg} 1992-14 -1.8* -1.8* -1.8*			1994-06 -	-3.6*	2006-14	-2.5*							-2.7*	-2.5*	
White NH ^{ef} 1992-94 -0.9 1994-08 -4.1* 2008-14 -2.6* Black 1992-14 -3.2* -3.2* -3.2* -3.2* Black NH ^{ef} 1992-14 -3.2* -3.2* -3.2* API ^e 1992-14 -3.8* -3.8* -3.8* AI/AN ^{eg} 1992-14 -1.8* -1.8*					1000 11	210									
Black NH ^{ef} 1992-14 -3.2* API ^e 1992-14 -3.8* AI/AN ^{eg} 1992-14 -1.8*					2008-14	-2.6*									
API ^e 1992-14 -3.8* AI/AN ^{eg} 1992-14 -1.8* -1.8* -1.8*	Black														
AI/AN ^{eg} 1992-14 -1.8* -1.8*	Black NH ^{ef}	1992-14 -3.2*											-3.2*	-3.2*	
	API ^e	1992-14 -3.8*											-3.8*	-3.8*	
Hispanic ^f 1992-14 -2.5* -2.5* -2.5*		1992-14 -1.8*											-1.8*	-1.8*	
	Hispanic ^f	1992-14 -2.5*											-2.5*	-2.5*	

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
- API Asian/Pacific Islander, AI/AN American Indian/Alaska Native, NH Non-Hispanic
- Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.
- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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b

С

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f

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Table 24.3 Cancer of the Stomach (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Females by Race/Ethnicity

	JP Trend 1	JP Tre	end 2	JP Tre	JP Trend 3		end 4	JP Trend 5		JP Trend 6		AAF	Cd
	Years APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14
SEER 9 Delay-Adjus	ted Incidence ^a 10	75-2014											
All Races	1975-95 -1.8*	1995-14	-0.9*									-0.9*	-0.9*
White	1975-95 -2.3*	1995-14	-1.1*									-1.1*	-1.1*
Black	1975-14 -0.9*											-0.9*	-0.9*
	.	000 0014											
<u>SEER 13 Delay-Adju</u> All Races	1992-14 -0.8*	992-2014										-0.8*	-0.8*
White	$1992-14 -0.8^{\circ}$ $1992-14 -0.7^{\circ}$											-0.8*	-0.8*
Black	1992-14 -0.7* 1992-14 -1.2*											-1.2*	-1.2*
												1.2	1.2
<u>SEER 9 Observed In</u>													
All Races	1975-92 -1.7*	1992-95	-4.9	1995-98	3.4	1998-07	-1.9*	2007-12	1.1	2012-14	-7.6	-1.6	-3.3
White	1975-95 -2.3*	1995-14	-1.1*									-1.1*	-1.1*
Black	1975-14 -0.9*											-0.9*	-0.9*
SEER 13 Observed I	ncidence ^b , 1992-20	14											
All Races	1992-14 -0.8*											-0.8*	-0.8*
White	1992-14 -0.7*											-0.7*	-0.7*
White NH ^{ef}	1992-14 -1.4*											-1.4*	-1.4*
Black	1992-14 -1.3*											-1.3*	-1.3*
Black NH ^{ef}	1992-14 -1.2*											-1.2*	-1.2*
API ^e	1992-14 -2.9*											-2.9*	-2.9*
AI/AN ^{eg}	1992-14 0.3											0.3	0.3
Hispanic ^f	1992-14 -1.0*											-1.0*	-1.0*
U.S. Cancer Mortal	ity ^c , 1975-2014												
All Races	1975-87 -2.8*	1987-90	-0.5	1990-14	-2.6*							-2.6*	-2.6*
White	1975-87 -3.1*	1987-90	-1.0	1990-08	-2.9*	2008-14	-1.8*					-2.1*	-1.8*
Black	1975-98 -1.2*	1998-14	-3.5*									-3.5*	-3.5*
<u>U.S. Cancer Mortal</u> All Races	1592-2014 1992-14 -2.6*											-2.6*	-2.6*
All Races White												-2.6^ -2.7*	-2.6^ -2.7*
White NH ^{ef}	1992-14 -2.7* 1992-14 -3.2*											-2.7*	-2.7*
Black	1992-14 -3.1*											-3.1*	-3.1*
Black NH ^{ef}	1992-14 -3.0*											-3.0*	-3.0*
API ^e	1992-14 -3.0*											-3.7*	-3.7*
AFI AI/AN ^{eg}	1992-14 -3.7	1998-14	-3.6*									-3.6*	-3.6*
Hispanic ^f	1992-14 -2.0*	1000 14	5.0									-2.0*	-2.0*
mopanic	1772 II 2.0											2.0	2.0

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Montery, Rural Georgia, and the Alaska Native Registry).
- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
- API Asian/Pacific Islander, AI/AN American Indian/Alaska Native, NH Non-Hispanic
- Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.
- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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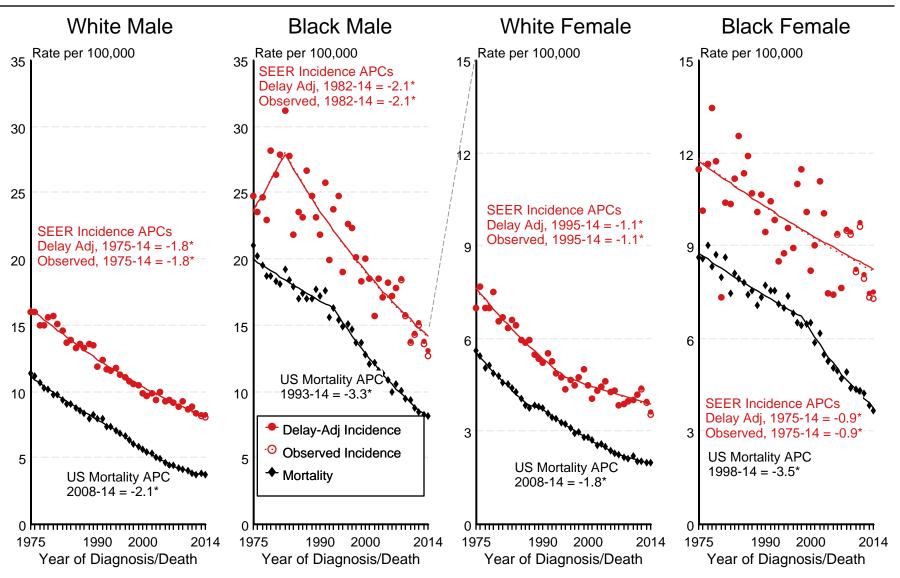
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SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates^a Cancer of the Stomach, by Race and Sex

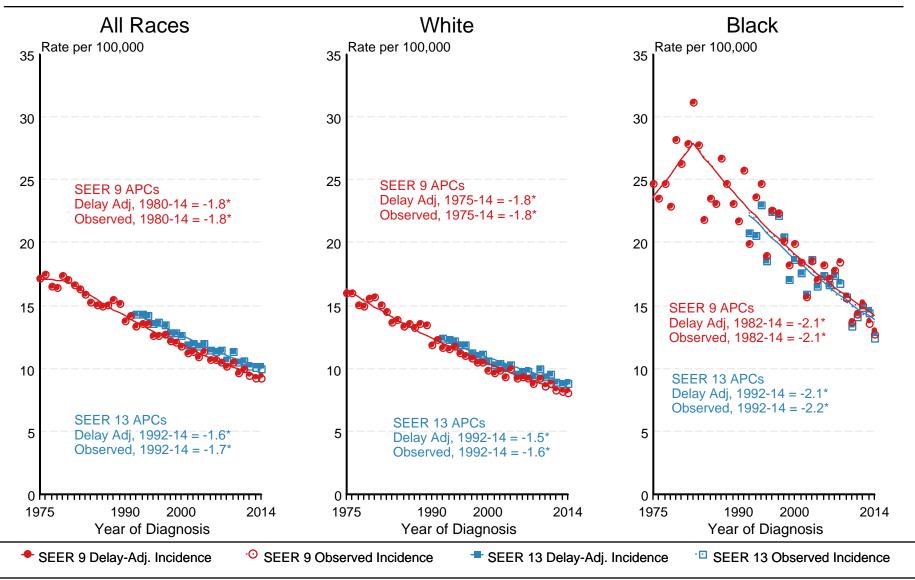


Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).

^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute.
The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.

Figure 24.3

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

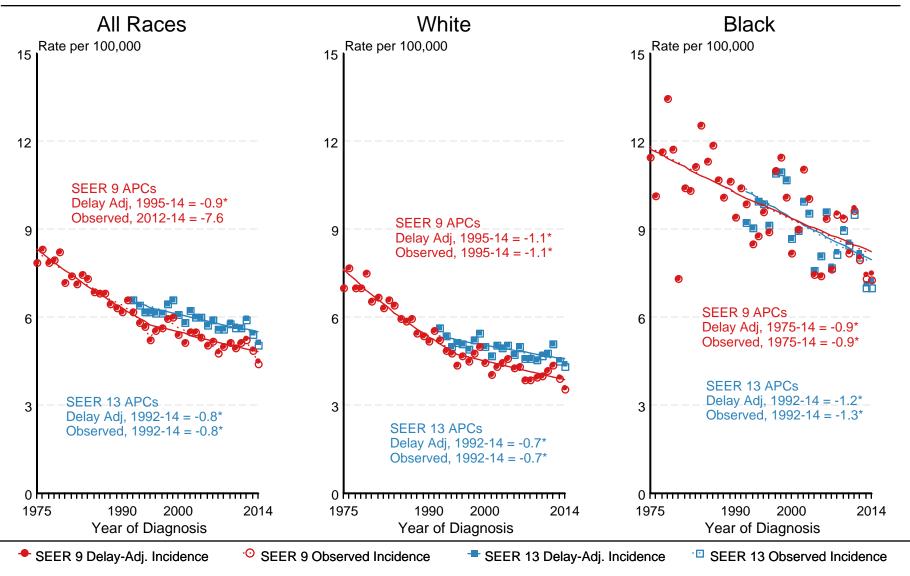


Source: SEER 9 areas and SEER 13 areas.

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

Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, 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 24.4

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



Source: SEER 9 areas and SEER 13 areas.

^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute.

The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.

Table 25.1 Cancer of the Testis (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, All Ages by Race/Ethnicity

	JP Tren	nd 1	JP Trend 2		JP Tre	end 3	JP Tre	end 4	JP Tre	nd 5	JP Tre	end 6	AAF	Cd
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC		2010-14
SEER 9 Delay-Adjus	ted Incidenc		75-2014											
All Races	1975-89	2.3*	1989-14	0.8*									0.8*	0.8*
White	1975-89	2.6*	1989-14	1.1*									1.1*	1.1*
Black	1975-14	2.1*											2.1*	2.1*
SEER 13 Delay-Adju	sted Incider	nce ^b 10	92-2014											
All Races	1992-14	1.1*	<u> </u>										1.1*	1.1*
White	1992-14	1.3*											1.3*	1.3*
Black		42.6	1994-01	3.6	2001-04	-13.9	2004-07	14.6	2007-14	0.6			3.6	0.6
SEER 9 Observed In	addamaa ^a 10	NTE 2014												
All Races	1975-89	2.3*	1989-14	0.8*									0.8*	0.8*
White	1975-89	2.5	1989-14	1.0*									1.0*	1.0*
Black	1975-14	2.0*	1909 11	1.0									2.0*	2.0*
			4											
<u>SEER 13 Observed I</u> All Races	<u>1992-14</u>	<u>1.1*</u>	<u>.4</u>										1.1*	1.1*
All Races White	1992-14 1992-14	1.1^{1} 1.2*											1.1^{1} 1.2^{*}	1.1^{1} 1.2^{*}
White NH ^{ef}	1992-14	1.2^{-1}	2005-14	0.0									0.0	0.0
Black		42.6	1994-01	3.6	2001-04	_13 9	2004-07	14 7	2007-14	0.4			3.4	0.0
Black NH ^{ef}		43.7	1994-14	1.0	2001 04	13.9	2004 07	11./	2007 14	0.1			1.0	1.0
API ^e	1992-14	1.5*	1771 11	1.0									1.5*	1.5*
AI/AN ^{eg}	1992-14	2.9*											2.9*	2.9*
Hispanic ^f	1992-14	2.8*											2.8*	2.8*
- U.S. Cancer Mortal	1075 C	014												
All Races	1975-81 -		1981-95	-3.1*	1995-14	-0.2							-0.2	-0.2
White	1975-81 -		1981-95	-3.0*	1995-14	0.1							0.1	0.1
Black	1975-14		1901 95	5.0	1995 11	0.1							-1.8*	-1.8*
													1.0	1.0
U.S. Cancer Mortal													0.4+	-0.4*
All Races White		-0.4* -0.2											-0.4* -0.2	-0.4^
White NH ^{ef}		-0.2 -0.5*											-0.2 -0.5*	-0.2
Black		-0.8											-0.8	-0.8
Black NH ^{ef}		-0.8											-0.8	-0.8
API ^e		-0.1											-0.1	-0.1
AI/AN ^{eg}		-											-	-
Hispanic ^f	1992-14	0.8											0.8	0.8
L														

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

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

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

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

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

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

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

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

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

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Table 25.2 Cancer of the Testis (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Ages <50 by Race/Ethnicity

	JP Tre	nd 1	JP Trend 2		JP Tre	end 3	JP Trend 4		JP Trend 5		JP Trend 6		AAF	Cq
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14
SEER 9 Delay-Adjus	ted Incider	uce ^a 197	75-2014											
All Races	1975-89	2.8*	1989-14	0.8*									0.8*	0.8*
White	1975-89	3.1*	1989-14	1.0*									1.0*	1.0*
Black	1975-14	1.9*											1.9*	1.9*
SEER 13 Delay-Adju	sted Incide	ence ^b , 19	92-2014											
All Races	1992-14	1.1*											1.1*	1.1*
White	1992-14	1.2*											1.2*	1.2*
Black	1992-14	1.5*											1.5*	1.5*
<u>SEER 9 Observed In</u>	cidence ^a , 1	975-2014	Ŀ											
All Races	1975-89	2.8*	1989-14	0.8*									0.8*	0.8*
White	1975-89	3.1*	1989-14	1.0*									1.0*	1.0*
Black	1975-14	1.9*											1.9*	1.9*
SEER 13 Observed I	ncidence ^b ,	1992-201	_4											
All Races	1992-14	1.0*											1.0*	1.0*
White	1992-14	1.2*											1.2*	1.2*
White NH ^{ef}	1992-05	1.8*	2005-14	-0.3									-0.3	-0.3
Black	1992-14	1.4*											1.4*	1.4*
Black NH ^{ef}	1992-14	1.6*											1.6*	1.6*
API ^e	1992-14	1.4*											1.4*	1.4*
AI/AN ^{eg}	1992-14	2.9*											2.9*	2.9*
Hispanic ^f	1992-14	2.9*											2.9*	2.9*
U.S. Cancer Mortal	ity ^c , 1975-	2014												
All Races	1975-81	-11.3*	1981-95	-2.8*	1995-14	-0.5*							-0.5*	-0.5*
White	1975-81		1981-96	-2.6*	1996-14	-0.2							-0.2	-0.2
Black	1975-14	-1.4*											-1.4*	-1.4*
U.S. Cancer Mortal		2014												
All Races	1992-14	-0.7*											-0.7*	-0.7*
White	1992-14	-0.5*											-0.5*	-0.5*
White NH ^{ef}	1992-14	-1.1*											-1.1*	-1.1*
Black	1992-14	-1.5											-1.5	-1.5
Black NH ^{ef}	1992-14	-1.7*											-1.7*	-1.7*
API ^e	1992-14	1.3											1.3	1.3
AI/AN ^{eg}	-	-											-	-
Hispanic ^f	1992-14	1.6*											1.6*	1.6*

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
- API Asian/Pacific Islander, AI/AN American Indian/Alaska Native, NH Non-Hispanic
- Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.
- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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Table 25.3 Cancer of the Testis (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Ages 50+ by Race/Ethnicity

	JP Tre	end 1	JP Trend 2		JP Tr	end 3	JP Tr	end 4	JP Trend 5		JP Tr	end 6	AAP	Cd
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14
SEER 9 Delay-Adju	sted Incide	nce ^a . 19'	75-2014											
All Races	1975-99	-0.3	1999-14	2.4*									2.4*	2.4*
White	1975-99	-0.3	1999-14	2.5*									2.5*	2.5*
Black	-	-											-	-
SEER 13 Delay-Adj	isted Incide	ence ^b 10	992-2014											
All Races	1992-14	1.6*	<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>										1.6*	1.6*
White	1992-14	1.8*											1.8*	1.8*
Black	-	-											-	-
SEER 9 Observed I	ncidence ^a . 1	975-2014	4											
All Races	1975-99	-0.3	_ 1999-14	2.3*									2.3*	2.3*
White	1975-99	-0.3	1999-14	2.4*									2.4*	2.4*
Black	-	-											-	-
SEER 13 Observed 3	Incidence ^b ,	1992-203	14											
All Races	1992-14	1.6*											1.6*	1.6*
White	1992-14	1.7*											1.7*	1.7*
White NH ^{ef}	1992-14	1.9*											1.9*	1.9*
Black	-	-											-	-
Black NH ^{ef}	-	-											-	-
API ^e	1992-14	0.9											0.9	0.9
AI/AN ^{eg}	-	-											-	-
Hispanic ^f	1992-14	1.9											1.9	1.9
U.S. Cancer Morta		-2014												
All Races	1975-91	-5.8*	1991-14	0.3									0.3	0.3
White	1975-91	-5.8*	1991-14	0.6									0.6	0.6
Black	1975-14	-2.3*											-2.3*	-2.3*
U.S. Cancer Morta	lity ^c , 1992-	-2014												
All Races	1992-14	0.4											0.4	0.4
White	1992-14	0.6											0.6	0.6
White NH ^{ef}	1992-14	0.8*											0.8*	0.8*
Black	1992-14	0.2											0.2	0.2
Black NH ^{ef}	1992-14	0.3											0.3	0.3
API ^e	-	-											-	-
AI/AN ^{eg}	-	-											-	-
Hispanic ^f	1992-14	-1.5											-1.5	-1.5

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
- API Asian/Pacific Islander, AI/AN American Indian/Alaska Native, NH Non-Hispanic
- Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.
- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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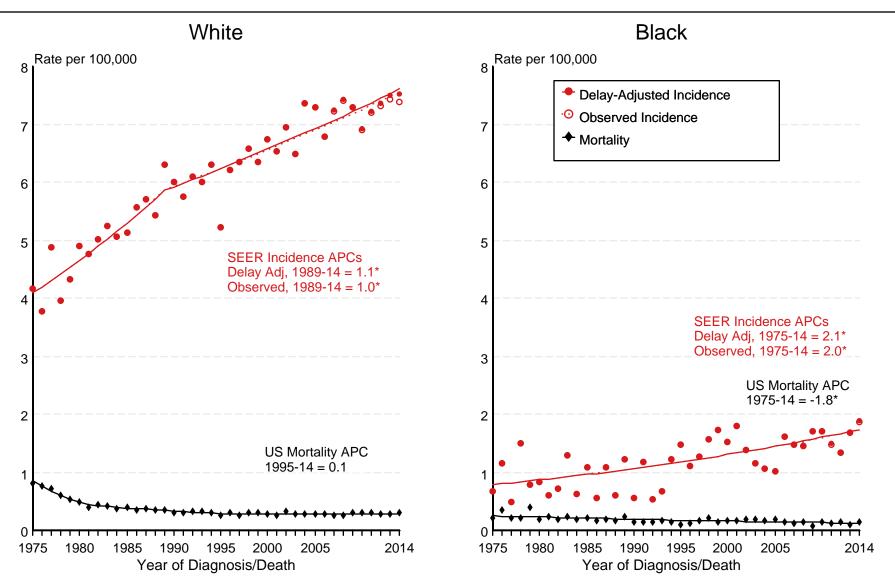
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SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates^a Cancer of the Testis, by Race

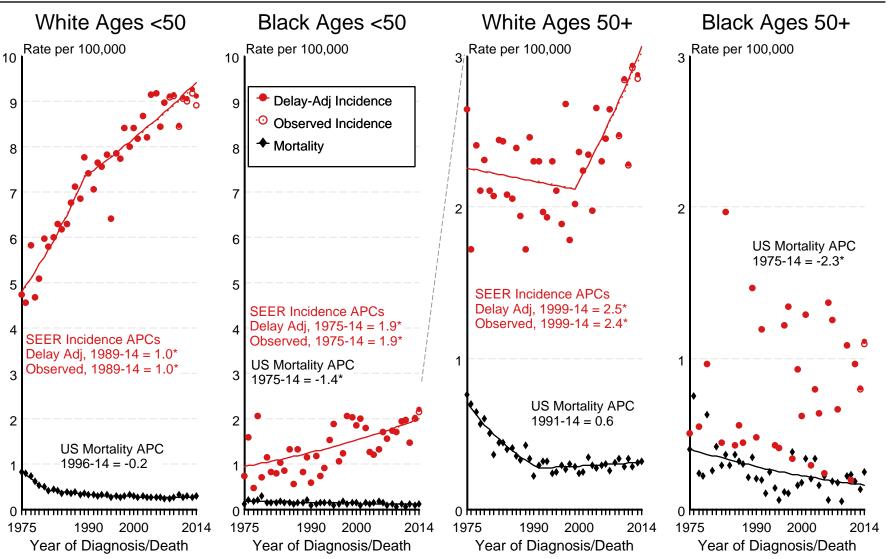


Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).

^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend. *

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

Figure 25.2



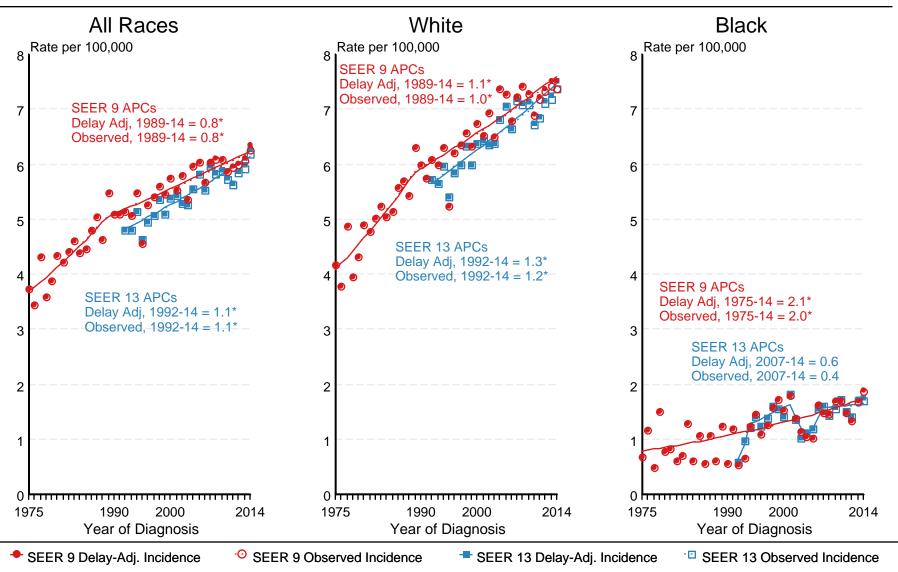
Regression line cannot be calculated for Black Male Age 50+ Incidence and Delay-adjusted Incidence due to years with zero count. Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).

^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, 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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Figure 25.4

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



Source: SEER 9 areas and SEER 13 areas.

^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute.
The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.

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

Table 26.1 Cancer of the Thyroid (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality $^{\rm c}$ Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Both Sexes by Race/Ethnicity

	JP Tre	end 1	JP Tre	JP Trend 2 JP Trend 3		JP Tre	nd 4	JP Tre	end 5	JP Tr	end 6	AAF	C^{d}	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14
SEER 9 Delay-Adjus	ted Incider	nce ^a , 197	75-2014											
All Races	1975-77	6.3	1977-80	-6.6	1980-97	2.4*	1997-09	6.7*	2009-14	1.7*			3.9*	1.7*
White	1975-77	7.5	1977-80	-6.7	1980-97	2.7*	1997-09	7.0*	2009-14	1.5*			3.9*	1.5*
Black	1975-95	1.0	1995-14	5.9*									5.9*	5.9*
SEER 13 Delay-Adju	sted Incide	ence ^b , 19	992-2014											
All Races	1992-98	2.9*	1998-09	6.6*	2009-14	1.9*							3.9*	1.9*
White	1992-98	3.6*	1998-09	6.8*	2009-14	1.7*							3.9*	1.7*
Black	1992-95	-4.4	1995-11	6.8*	2011-14	0.2							4.5*	1.8
SEER 9 Observed In	cidence ^a , 1	975-2014	<u>1</u>											
All Races	1975-77	6.3	1977-80	-6.6	1980-97	2.4*	1997-09	6.7*	2009-14	1.5*			3.8*	1.5*
White	1975-77	7.5	1977-80	-6.7	1980-97	2.7*	1997-09	7.0*	2009-14	1.2*			3.8*	1.2*
Black	1975-89	-1.0	1989-14	5.2*									5.2*	5.2*
SEER 13 Observed I	ncidence ^b ,	1992-201	L <u>4</u>											
All Races	1992-98	3.0*	1998-09	6.6*	2009-14	1.6*							3.8*	1.6*
White	1992-98	3.6*	1998-09	6.8*	2009-14	1.4*							3.7*	1.4*
White NH ^{ef}	1992-98	4.3*	1998-09	7.0*	2009-14	1.1							3.7*	1.1
Black	1992-95	-4.2	1995-11	6.7*	2011-14	-0.4							4.3*	1.3
Black NH ^{ef}	1992-95	-4.6	1995-11	6.8*	2011-14	-0.3							4.4*	1.5
API ^e	1992-00	0.6	2000-11	5.2*	2011-14	-1.1							3.1*	0.5
AI/AN ^{eg}	1992-14	3.9*											3.9*	3.9*
Hispanic ^f	1992-95	-3.8	1995-14	4.7*									4.7*	4.7*
<u>U.S. Cancer Mortal</u>	ity ^c , 1975-	2014												
All Races	1975-88	-2.1*	1988-14	0.7*									0.7*	0.7*
White	1975-88	-2.2*	1988-14	0.7*									0.7*	0.7*
Black	1975-14	0.1											0.1	0.1
<u>U.S. Cancer Mortal</u>														
All Races	1992-14	0.7*											0.7*	0.7*
White	1992-14	0.7*											0.7*	0.7*
White NH ^{ef}	1992-14	0.7*											0.7*	0.7*
Black	1992-14	1.0*											1.0*	1.0*
Black NH ^{ef}	1992-14	1.1*											1.1*	1.1*
API ^e	1992-14	-0.6											-0.6	-0.6
AI/AN ^{eg}	1992-14	1.3											1.3	1.3
Hispanic ^f	1992-14	0.0											0.0	0.0

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (https://surveillance.cancer.gov/joinpoint/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta). Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).

- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.

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

- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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Table 26.2 Cancer of the Thyroid (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality $^{\rm c}$ Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Males by Race/Ethnicity

	JP Trei	nd 1	JP Trend 2		JP Tre	nd 3	JP Tre	end 4	JP Tre	end 5	JP Trend 6		AAF	Cd
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14
SEER 9 Delay-Adjus	ted Inciden	ce ^a , 197	75-2014											
All Races	1975-80	-4.6	1980-97	1.8*	1997-12	5.5*	2012-14	-1.5					3.9*	2.0
White	1975-77	10.3	1977-80	-9.0	1980-97	2.5*	1997-12	5.7*	2012-14	-2.2			3.9*	1.7
Black	1975-14	3.2*											3.2*	3.2*
SEER 13 Delay-Adju	sted Incide	nce ^b , 19	992-2014											
All Races	1992-96	-1.4	1996-09	5.6*	2009-14	2.7*							4.0*	2.7*
White	1992-96	-0.4	1996-09	5.9*	2009-14	2.2							3.8*	2.2
Black	1992-95 ·	-10.2	1995-14	5.0*									5.0*	5.0*
SEER 9 Observed In	cidence ^a , 19	975-2014	1											
All Races	1975-80	-4.6		1.8*	1997-12	5.5*	2012-14	-1.9					3.8*	1.7
White	1975-77	10.4	1977-80	-9.1	1980-97	2.5*	1997-12	5.6*	2012-14	-2.9			3.7*	1.3
Black	1975-14	3.1*											3.1*	3.1*
SEER 13 Observed I	ncidence ^b , 1	1992-201	14											
All Races	1992-96	-1.3	1996-09	5.6*	2009-14	2.5*							3.9*	2.5*
White	1992-96	-0.4	1996-09	5.9*	2009-14	2.0							3.7*	2.0
White NH ^{ef}	1992-96	0.0	1996-09	6.2*	2009-14	1.8							3.8*	1.8
Black	1992-14	4.0*											4.0*	4.0*
Black NH ^{ef}	1992-14	4.1*											4.1*	4.1*
API ^e	1992-03	0.6	2003-14	5.6*									5.6*	5.6*
AI/AN ^{eg}	1992-14	3.5*											3.5*	3.5*
Hispanic ^f	1992-14	4.1*											4.1*	4.1*
<u>U.S. Cancer Mortal</u>		2014												
All Races	1975-83	-3.1*	1983-14	1.2*									1.2*	1.2*
White	1975-84	-2.5*	1984-14	1.2*									1.2*	1.2*
Black	1975-14	0.4											0.4	0.4
U.S. Cancer Mortal	- 1 1													
All Races	1992-14	1.4*											1.4*	1.4*
White	1992-14	1.4*											1.4*	1.4*
White NH ^{ef}	1992-14	1.4*											1.4*	1.4*
Black	1992-14	1.3*											1.3*	1.3*
Black NH ^{ef}	1992-14	1.4*											1.4*	1.4*
API ^e	1992-14	0.0											0.0	0.0
AI/AN ^{eg}	-	-											-	-
Hispanic ^f	1992-14	0.9											0.9	0.9

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (https://surveillance.cancer.gov/joinpoint/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
- API Asian/Pacific Islander, AI/AN American Indian/Alaska Native, NH Non-Hispanic Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.
- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

а

b

С

d

e

f

g

Table 26.3 Cancer of the Thyroid (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality $^{\rm c}$ Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Females by Race/Ethnicity

$\begin{array}{c c c c c c c c c c c c c c c c c c c $		JP Tren	nd 1	JP Trend 2		JP Tre	end 3	JP Tre	end 4	JP Tre	nd 5	JP Tre	end 6	AAP	Cd
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	SEER 9 Delay-Adius	ted Incidenc	ce ^a . 197	5-2014											
Black 1975-91 -0.4 1991-14 5.9* 5.9* 5.9* SEER 13 Delay-Adjusted Incidence ^b , 1992-2014 1.1 1.7* 4.0* 1.7* Mhite 1992-98 4.4* 1998-09 7.0* 2009-14 1.6* 4.0* 1.6* Black 1992-98 2.8 1998-09 7.0* 2011-14 -0.8 4.0* 1.6* Black 1992-98 2.8 1998-09 7.6* 2011-14 -0.8 4.7* 1.3 SEER 9 Observed Incidence ^b , 1975-2014 -0.5 1982-96 2.8* 1996-09 7.2* 2009-14 1.1 3.7* 1.1* Mite 1975-82 -0.9 1982-96 2.8* 1996-09 7.2* 2009-14 1.1 3.7* 1.1* Black 1975-82 -0.9 1982-92 5.8* 5.8* 5.8* SEER 13 Observed Incidence ^b , 1992-2014 1.4* 1.3* 3.8* 1.3* Mhite 1992-99 7.2* 2009-14 1.4* 3.8* 1.3* Mite 1992-92 5.6* 199					-5.2	1980-93	2.3*	1993-99	4.5*	1999-09	7.1*	2009-14	1.3*	3.9*	1.3*
SEER 13 Delay-Adjusted Incidence ^b , 1992-99 4.1* 1999-99 6.9* 2009-14 1.7* Minte 1992-98 4.4* 1998-09 7.0* 2009-14 1.6* Black 1992-98 2.8 1998-11 7.6* 2011-14 -0.6 SEER 9 Observed Incidence ^b , 1975-2014 All Acr* 1.3 All Races 1975-77 6.6 1977-80 -5.2 1980-93 2.2* 1993-99 4.5* 1999-09 7.1* 2009-14 1.1* Black 1975-91 -0.3 1981-14 5.8* 1996-09 7.2* 2009-14 1.1 3.7* 1.1* Black 1975-91 -0.3 1981-14 5.8* 1986-09 7.2* 2009-14 1.1 3.7* 1.1* Black 1992-98 4.1* 1999-09 7.1* 2009-14 1.4* 3.8* 1.4* Mite 1992-98 4.1* 1998-09 7.0* 2009-14 1.0* 3.8* 1.3* Black 1992-98 2.9 1998-11 7.4* 2011-14 -1.4	White	1975-81	-1.1	1981-93	2.4*	1993-99	5.2*	1999-09	7.4*	2009-14	1.2			3.9*	1.2
All Races1992-994.1*1999-096.9*2009-141.7*4.0*1.7*White1992-984.4*1998-097.0*2009-141.6*4.0*1.6*Black1992-982.81998-117.6*2011-14-0.84.7*1.3SEER 9 Observed Incidence*, 1975-201411-0.83.7*1.1*3.7*1.1*All Races1975-716.61977-80-5.21980-932.2*1993-994.5*1999-097.1*2009-141.1*Black1975-91-0.31991-145.8*5.8*5.8*5.8*5.8*5.8*SEER 13 Observed Incidence*, 1992-994.1*1999-096.9*2009-141.13.7*1.1*Black1992-994.4*1998-097.0*2009-141.3*3.8*1.3*White1992-994.4*1998-097.0*2009-141.3*3.8*1.3*Black1992-995.6*1999-097.2*2009-141.3*3.8*1.3*White1992-982.91998-117.4*2011-14-1.33.7*1.0Black1992-990.41999-117.6*2011-14-2.22.6*0.4Alr/Anse1992-990.41.991.4-2.22.6*0.43.9*U.S. Cancer Mortality*, 1975-80140.4*0.4*0.4*0.3*0.3*0.3*Black1975-88-2.6*1988-14<	Black	1975-91	-0.4	1991-14	5.9*									5.9*	5.9*
All Races1992-994.1*1999-096.9*2009-141.7*4.0*1.7*White1992-984.4*1998-097.0*2009-141.6*4.0*1.6*Black1992-982.81998-117.6*2011-14-0.84.7*1.3SEER 9 Observed Incidence*, 1975-201411-0.83.7*1.1*3.7*1.1*All Races1975-716.61977-80-5.21980-932.2*1993-994.5*1999-097.1*2009-141.1*Black1975-91-0.31991-145.8*5.8*5.8*5.8*5.8*5.8*SEER 13 Observed Incidence*, 1992-994.1*1999-096.9*2009-141.13.7*1.1*Black1992-994.4*1998-097.0*2009-141.3*3.8*1.3*White1992-994.4*1998-097.0*2009-141.3*3.8*1.3*Black1992-995.6*1999-097.2*2009-141.3*3.8*1.3*White1992-982.91998-117.4*2011-14-1.33.7*1.0Black1992-990.41999-117.6*2011-14-2.22.6*0.4Alr/Anse1992-990.41.991.4-2.22.6*0.43.9*U.S. Cancer Mortality*, 1975-80140.4*0.4*0.4*0.3*0.3*0.3*Black1975-88-2.6*1988-14<	SEER 13 Delay-Adiu	sted Incider	nce ^b 19	92-2014											
white1992-984.4*1998-097.0*2009-141.6*4.0*1.6*Black1992-982.81998-117.6*2011-14-0.84.7*1.3SEER 9 Observed Incidence*,1975-201411975-82-0.91982-962.8*1993-994.5*1999-097.1*2009-141.1*3.7*1.1*Black1975-91-0.31991-145.8*1996-097.2*2009-141.13.7*1.13.7*1.1Black1975-91-0.31991-145.8*5.8*5.8*5.8*5.8*5.8*5.8*SEER 13 Observed Incidence*,1992-994.1*1999-097.2*2009-141.13.7*1.1Black1992-994.1*1999-097.2*2009-141.4*3.8*1.4*White1992-995.6*1999-097.2*2009-141.0*3.7*1.0Black1992-982.91986-117.6*2011-14-1.34.4*0.8 $6.6*$ 0.8Ap1*1992-990.41999-115.0*2011-14-2.22.6*-0.4 $3.9*$ 3.9					6.9*	2009-14	1.7*							4.0*	1.7*
Black1992-982.81998-117.6*2011-14 -0.8 4.7*1.3SEER 9 Observed Incidence*, 1975-2014 All Races1975-776.61977-80 -5.2 1980-932.2*1993-994.5*1999-097.1*2009-141.1*3.7*1.1*Black1975-91 -0.3 1991-145.8*1996-097.2*2009-141.13.7*1.1*Black1975-91 -0.3 1991-145.8*2009-141.11.1*3.7*1.1*All Races1992-994.1*1999-096.9*2009-141.4*3.8*1.3*White1992-984.1*1999-097.2*2009-141.13.8*1.4*White1992-985.6*1999-097.2*2009-141.3*3.8*1.3*Black1992-982.91998-097.0*2009-141.4*3.8*1.3*White1992-982.91998-097.2*2009-141.3*3.8*1.3*Black1992-982.91998-117.6*2011-14-1.34.6*0.8Disc1992-990.41999-115.0*2011-14-1.44.6*0.8All Races1992-990.41999-140.4*3.9*3.9*3.9*Hispanicf1992-95-2.41986-140.4*0.3*0.3*0.3*U.S. Cancer Mortality ^c , 1975-20141.1*1995-140.5*0.5*0.5*							- • •								
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All Races 1975-77 6.6 1977-80 -5.2 1980-93 2.2* 1993-99 4.5* 1999-09 7.1* 2009-14 1.1* 3.7* 1.1* White 1975-82 -0.9 1982-96 2.8* 1996-09 7.2* 2009-14 1.1 3.7* 1.1 Black 1975-91 -0.3 1991-14 5.8* <	SEED Q Observed In	aidonao ^a 10	75-2014												
White $1975-82$ $1975-91$ -0.3 $1982-96$ $1991-14$ $2.8*$ $1996-09$ $7.2*$ $2009-14$ 1.1 $3.7*$ 1.1 Black $1975-91$ -0.3 $1991-14$ $5.8*$ $2009-14$ 1.1 $3.7*$ 1.1 All Races $1992-90$ $4.1*$ $1999-09$ $6.9*$ $2009-14$ $1.4*$ $3.8*$ $1.4*$ White $1992-98$ $4.4*$ $1998-09$ $7.0*$ $2009-14$ $1.3*$ $3.8*$ $1.4*$ White $1992-98$ $4.4*$ $1998-09$ $7.0*$ $2009-14$ $1.3*$ $3.8*$ $1.3*$ White NH ^{ef} $1992-98$ 2.9 $1998-11$ $7.4*$ $2011-14$ -1.3 $3.7*$ 1.0 Black $1992-98$ 2.9 $1998-11$ $7.6*$ $2011-14$ -1.4 $4.4*$ 0.8 API ^e $1992-98$ 2.9 $1995-14$ $4.8*$ $2011-14$ -1.4 $4.8*$ $4.8*$ U.S. Cancer Mortalityc, $1975-2014$ $4.8*$ $4.8*$ $4.8*$ $4.8*$ $0.4*$ $0.4*$ White $1975-88$ $-2.8*$ $1988-14$ $0.4*$ $0.9*$ $0.9*$ $0.9*$ $0.9*$ $0.9*$ $0.9*$ $0.9*$ U.S. Cancer Mortalityc, $1975-2014$ $A11$ $A12$ $0.9*$ <t< td=""><td></td><td></td><td></td><td></td><td>-52</td><td>1980-93</td><td>2 2*</td><td>1993-99</td><td>4 5*</td><td>1999-09</td><td>7 1*</td><td>2009-14</td><td>1 1*</td><td>37*</td><td>1 1*</td></t<>					-52	1980-93	2 2*	1993-99	4 5*	1999-09	7 1*	2009-14	1 1*	37*	1 1*
Black $1975-91$ -0.3 $1991-14$ 5.8^* 5.8^* 5.8^* 5.8^* SEER 13 Observed Incidence ^b , $1992-2014$ All Races $1992-99$ 4.1^* $1999-09$ 6.9^* $2009-14$ 1.4^* White $1992-98$ 4.1^* $1999-09$ 6.9^* $2009-14$ 1.4^* White $1992-98$ 4.4^* $1998-09$ 7.2^* $2009-14$ 1.0^* Black $1992-98$ 2.9 $1998-11$ 7.4^* $2011-14$ -1.3 Black NH ^{ef} $1992-98$ 2.7 $1998-11$ 7.4^* $2011-14$ -1.4 API^e $1992-98$ 2.7 $1998-11$ 7.6^* $2011-14$ -2.2 AI/AN ^{eg} $1992-94$ 3.9^* 3.9^* 3.9^* Hispanicf $1992-95$ -2.4^* $1995-14$ 4.8^* 4.8^* U.S. Cancer Mortality ^c , $1975-2014$ 4.8^* 4.8^* 0.3^* All Races $1975-88$ -2.6^* $1988-14$ 0.3^* Black $1975-95$ -1.1^* $1995-14$ 0.9^* 0.9^* U.S. Cancer Mortality ^c , $1992-2014$ 0.9^* 0.9^* 0.9^* 0.9^* Black $1975-95$ -1.1^* $1995-14$ 0.5^* 0.5^* U.S. Cancer Mortality ^c , $1992-2014$ 0.5^* 0.5^* 0.5^* U.S. Cancer Mortality ^c , $1992-2014$ 0.5^* 0.5^* U.S. Cancer Mortality ^c , $1992-94$ -5.3 $1994-14$ 0.5^* U.S. Cancer Mortality ^c , $1992-94$ <										1999 09	/•±	2009 11	±•±		
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All Races $1992-99$ 4.1^* $1999-09$ 6.9^* $2009-14$ 1.4^* 3.8^* 1.4^* White $1992-98$ 4.4^* $1998-09$ 7.0^* $2009-14$ 1.3^* 3.8^* 1.3^* White NH ^{ef} $1992-99$ 5.6^* $1999-09$ 7.2^* $2009-14$ 1.3^* 3.8^* 1.3^* Black $1992-98$ 2.9 $1998-11$ 7.4^* $2011-14$ -1.3 4.4^* 0.8 Black NH ^{ef} $1992-98$ 2.7 $1998-11$ 7.6^* $2011-14$ -1.4 4.6^* 0.8 AP1^e $1992-99$ 0.4 $1999-11$ 5.0^* $2011-14$ -1.2 2.6^* -0.4 AI/AN ^{eg} $1992-99$ 0.4 $1999-11$ 5.0^* $2011-14$ -2.2 2.6^* -0.4 AI/AN ^{eg} $1992-95$ -2.4 $1995-14$ 4.8^* 4.8^* 4.8^* 4.8^* U.S. Cancer Mortality ^c , 1975-2014 4.8^* 0.3^* 0.3^* 0.3^* 0.3^* Black $1975-95$ -1.1^* $1995-14$ 0.9^* 0.9^* 0.9^* 0.9^* 0.9^* U.S. Cancer Mortality ^c , 1992-2014 0.9^* 0.9^* 0.9^* 0.5^* 0.5^* 0.5^* 0.5^* Mhite $1992-94$ -5.3 $1994-14$ 0.5^* 0.5^* 0.5^* 0.5^*	CEEP 12 Observed T	naidonao ^b 1	002-201	1											
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Black1992-982.91998-117.4*2011-14-1.34.4*0.8Black NH ^{ef} 1992-982.71998-117.6*2011-14-1.44.6*0.8API ^e 1992-990.41999-115.0*2011-14-2.22.6*-0.4AI/AN ^{eg} 1992-143.9*3.9*3.9*3.9*3.9*3.9*Hispanic ^f 1992-95-2.41995-144.8*4.8*4.8*4.8*U.S. Cancer Mortality ^c , 1975-2014-2.6*1988-140.4*0.4*0.4*All Races1975-88-2.6*1988-140.3*0.3*0.3*0.3*Black1975-95-1.1*1995-140.9*0.9*0.9*0.9*U.S. Cancer Mortality ^c , 1992-2014-1.140.5*0.5*0.5*0.5*All Races1992-94-5.31994-140.5*0.5*0.3*0.3*White1992-140.3*-1.1*0.5*0.3*0.3*0.3*															
Black NH ^{ef} 1992-982.71998-117.6*2011-14-1.44.6*0.8API ^e 1992-990.41999-115.0*2011-14-2.22.6*-0.4AI/AN ^{eg} 1992-143.9*3.9*3.9*3.9*Hispanic ^f 1992-95-2.41995-144.8*4.8*4.8*U.S. Cancer Mortality ^c , 1975-20141985-140.4*0.4*0.4*0.4*All Races1975-88-2.6*1988-140.3*0.3*0.3*0.3*Black1975-95-1.1*1995-140.9*0.9*0.9*0.9*U.S. Cancer Mortality ^c , 1992-20141992-140.5*0.5*0.5*0.5*All Races1992-94-5.31994-140.5*0.5*0.3*0.3*White1992-140.3*0.3*0.3*0.3*0.3*0.3*															
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Black NH ^{ef}			1998-11	7.6*		-1.4							4.6*	
Hispanic ^f 1992-95 -2.4 1995-14 4.8* 4.8* 4.8* U.S. Cancer Mortality ^c , 1975-2014 All Races 1975-88 -2.6* 1988-14 0.4* 0.4* 0.4* All Races 1975-88 -2.8* 1988-14 0.3* 0.3* 0.3* 0.3* Black 1975-95 -1.1* 1995-14 0.9* 0.9* 0.9* U.S. Cancer Mortality ^c , 1992-2014 All Races 1992-94 -5.3 1994-14 0.5* Mhite 1992-14 0.3* 0.3* 0.3* 0.3*	API ^e	1992-99	0.4	1999-11	5.0*	2011-14	-2.2							2.6*	-0.4
U.S. Cancer Mortality ^c , 1975-2014 All Races 1975-88 -2.6* 1988-14 0.4* White 1975-88 -2.8* 1988-14 0.3* Black 1975-95 -1.1* 1995-14 0.9* U.S. Cancer Mortality ^c , 1992-2014 0.9* 0.9* 0.9* All Races 1992-94 -5.3 1994-14 0.5* White 1992-14 0.3* 0.3* 0.3*	AI/AN ^{eg}	1992-14	3.9*											3.9*	3.9*
All Races 1975-88 -2.6* 1988-14 0.4* 0.4* 0.4* White 1975-88 -2.8* 1988-14 0.3* 0.3* 0.3* 0.3* Black 1975-95 -1.1* 1995-14 0.9* 0.9* 0.9* U.S. Cancer Mortality ^c , 1992-2014 All Races 1992-94 -5.3 1994-14 0.5* 0.5* 0.5* White 1992-14 0.3* 0.3* 0.3* 0.3* 0.3*	Hispanic ^f	1992-95	-2.4	1995-14	4.8*									4.8*	4.8*
All Races 1975-88 -2.6* 1988-14 0.4* 0.4* 0.4* White 1975-88 -2.8* 1988-14 0.3* 0.3* 0.3* 0.3* Black 1975-95 -1.1* 1995-14 0.9* 0.9* 0.9* 0.9* U.S. Cancer Mortality ^c , 1992-2014 All Races 1992-94 -5.3 1994-14 0.5* 0.5* 0.5* White 1992-14 0.3* 0.3* 0.3* 0.3* 0.3*	U.S. Cancer Mortal	itv ^c . 1975-2	2014												
Black 1975-95 -1.1* 1995-14 0.9* 0.9* U.S. Cancer Mortality ^c , 1992-2014 0.5* 0.5* 0.5* 0.5* All Races 1992-94 -5.3 1994-14 0.5* 0.5* 0.3* 0.3*				1988-14	0.4*									0.4*	0.4*
<u>U.S. Cancer Mortality^c, 1992-2014</u> All Races 1992-94 -5.3 1994-14 0.5* 0.5* 0.5* White 1992-14 0.3* 0.3*	White	1975-88	-2.8*	1988-14	0.3*									0.3*	0.3*
All Races 1992-94 -5.3 1994-14 0.5* 0.5* 0.5* White 1992-14 0.3* 0.3* 0.3* 0.3*	Black	1975-95	-1.1*	1995-14	0.9*									0.9*	0.9*
All Races 1992-94 -5.3 1994-14 0.5* 0.5* 0.5* White 1992-14 0.3* 0.3* 0.3* 0.3*	U.S. Cancer Mortal	itv ^c . 1992-2	2014												
				1994-14	0.5*									0.5*	0.5*
White MU^{ef} 1002-14 0.2 0.2	White	1992-14	0.3*											0.3*	0.3*
	White NH ^{ef}	1992-14	0.2											0.2	0.2
Black 1992-14 0.9* 0.9*	Black	1992-14	0.9*											0.9*	0.9*
Black NH ^{ef} 1992-14 1.1* 1.1*	Black NH ^{ef}	1992-14	1.1*											1.1*	1.1*
API ^e 1992-03 -4.1* 2003-08 8.0 2008-14 -7.3* -2.5 -7.3*	API ^e	1992-03	-4.1*	2003-08	8.0	2008-14	-7.3*							-2.5	-7.3*
AI/AN ^{eg} 1992-14 -0.9 -0.9 -0.9	AI/AN ^{eg}	1992-14	-0.9											-0.9	-0.9
Hispanic ^f 1992-14 -0.5 -0.5	Hispanic ^f	1992-14	-0.5											-0.5	-0.5

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (https://surveillance.cancer.gov/joinpoint/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta). Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).

- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
- API Asian/Pacific Islander, AI/AN American Indian/Alaska Native, NH Non-Hispanic Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.
- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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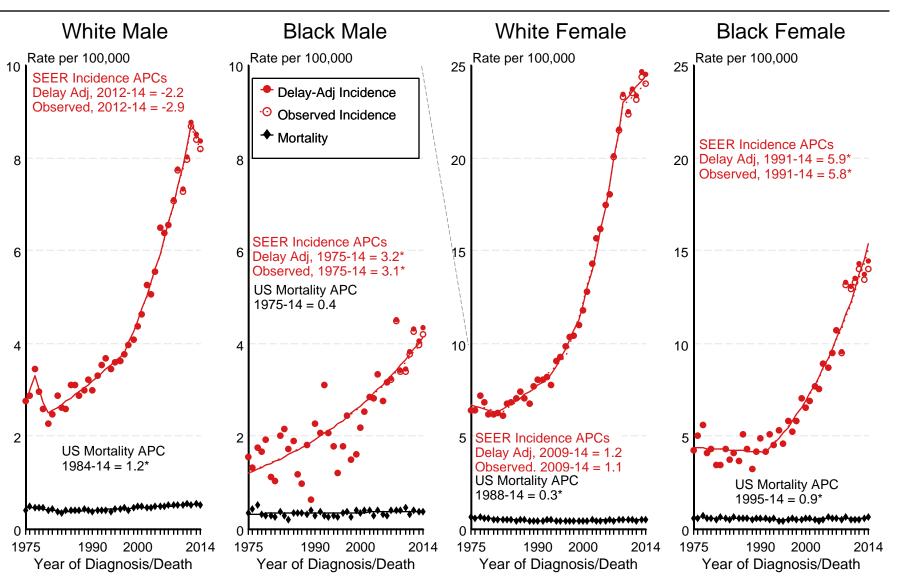
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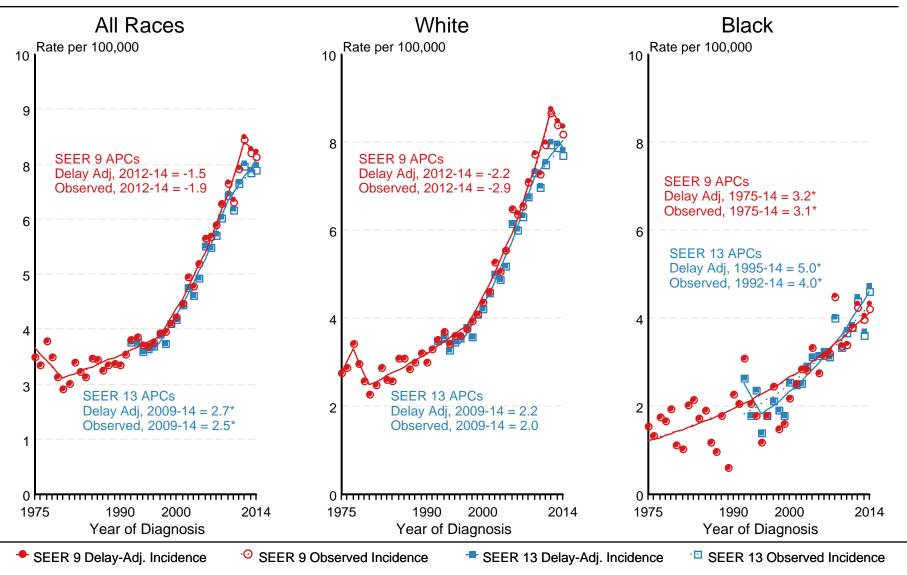
SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates^a Cancer of the Thyroid, by Race and Sex



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

 ^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, 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 26.3

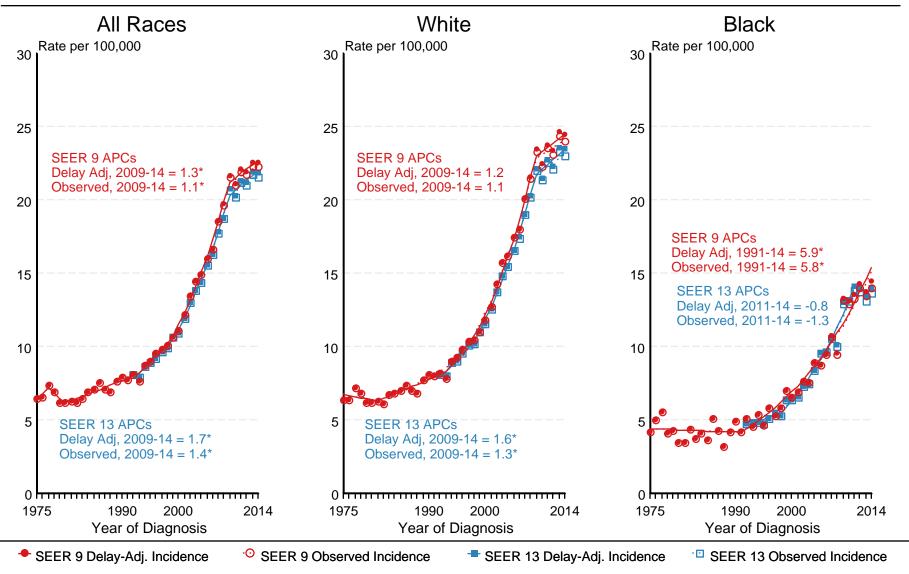
SEER Observed Incidence and SEER Delay Adjusted Incidence Rates^a SEER 9 Areas Compared to SEER 13 Areas Cancer of the Thyroid, Male, by Race



Source: SEER 9 areas and SEER 13 areas.

^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend. Figure 26.4

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



Source: SEER 9 areas and SEER 13 areas.

^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.

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

Table 27.1 Cancer of the Urinary Bladder (Invasive and In Situ)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Both Sexes by Race/Ethnicity

	JP Tre	nd 1	JP Trend 2		JP Tre	end 3	JP Tre	nd 4	JP Trend 5		JP Trend 6		AAF	C^d
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2005-14	2010-14
SEER 9 Delay-Adjus	ted Incider	nce ^a . 197	75-2014											
All Races	1975-86	0.7*	1986-07	0.2*	2007-14	-0.9*							-0.6*	-0.9*
White	1975-86	0.9*	1986-07	0.3*	2007-14	-0.8*							-0.5*	-0.8*
Black	1975-14	0.3*											0.3*	0.3*
SEER 13 Delay-Adju	sted Incide	ence ^b , 19	92-2014											
All Races	1992-07	0.1	2007-14	-1.2*									-0.9*	-1.2*
White	1992-07	0.2*	2007-14	-1.1*									-0.8*	-1.1*
Black	1992-14	0.4*											0.4*	0.4*
SEER 9 Observed In	cidence ^a . 1	975-2014	Ļ											
All Races	1975-86	0.7*	1986-07	0.2*	2007-14	-1.2*							-0.9*	-1.2*
White	1975-86	0.9*	1986-07	0.3*	2007-14	-1.1*							-0.8*	-1.1*
Black	1975-14	0.3*											0.3*	0.3*
SEER 13 Observed I	ncidence ^b .	1992-201	4											
All Races	1992-07	0.1	2007-14	-1.5*									-1.1*	-1.5*
White	1992-07	0.2*	2007-14	-1.4*									-1.0*	-1.4*
White NH ^{ef}	1992-07	0.4*	2007-14	-1.2*									-0.9*	-1.2*
Black	1992-14	0.2											0.2	0.2
Black NH ^{ef}	1992-14	0.2											0.2	0.2
API ^e	1992-08	0.4	2008-14	-2.8*									-1.8*	-2.8*
AI/AN ^{eg}	1992-14	1.0											1.0	1.0
Hispanic ^f	1992-14	-0.3											-0.3	-0.3
U.S. Cancer Mortal	ity ^c , 1975-	2014												
All Races	1975-77	0.2	1977-87	-2.2*	1987-14	0.0							0.0	0.0
White	1975-77	0.1	1977-87	-2.1*	1987-99	0.0	1999-14	0.2*					0.2*	0.2*
Black	1975-14	-1.0*											-1.0*	-1.0*
U.S. Cancer Mortal	ity ^c , 1992-	2014												
All Races	1992-14	0.0											0.0	0.0
White	1992-14	0.1*											0.1*	0.1*
White NH ^{ef}	1992-14	0.3*											0.3*	0.3*
Black	1992-14	-0.9*											-0.9*	-0.9*
Black NH ^{ef}	1992-14	-0.8*											-0.8*	-0.8*
API ^e	1992-14	-0.5											-0.5	-0.5
AI/AN ^{eg}	1992-14	2.4*											2.4*	2.4*
Hispanic ^f	1992-14	-0.2											-0.2	-0.2

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (https://surveillance.cancer.gov/joinpoint/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

- Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).
- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry). Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
- API Asian/Pacific Islander, AI/AN American Indian/Alaska Native, NH Non-Hispanic
- Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.
- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Males by Race/Ethnicity

	JP Trend 1		JP Tre	-nd 2	JP Tre	and 3	JP Tr	end 4	JP Tre	nd 5	JP Trend 6		AAF	Cd
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC		2010-14
SEER 9 Delay-Adjus	sted Incider	uce ^a , 19'	75-2014											
All Races	1975-86	0.8*	1986-07	0.1	2007-14	-1.0*							-0.8*	-1.0*
White	1975-86	1.0*	1986-07	0.2	2007-14	-0.9*							-0.7*	-0.9*
Black	1975-14	0.5*											0.5*	0.5*
SEER 13 Delay-Adju	isted Incide	nce ^b 10	92-2014											
All Races	1992-07	0.1	2007-14	-1.4*									-1.1*	-1.4*
White	1992-07	0.2	2007-14	-1.3*									-1.0*	-1.3*
Black	1992-14	0.6*											0.6*	0.6*
SEER 9 Observed Ir	naidonao ^a 1	975-201/	1											
All Races	1975-86	0.8*	1986-07	0.1	2007-14	-1.3*							-1.0*	-1.3*
White	1975-87	1.2*	1987-94	-0.4	1994-07	0.4*	2007-14	-1.5*					-1.1*	-1.5*
Black	1975-14	0.4*	1907 91	0.1	1991 07	0.1	2007 21	1.0					0.4*	0.4*
SEER 13 Observed 1	Ingidongo ^b	1002-207	1											
All Races	1992-07	0.1	2007-14	-1.7*									-1.3*	-1.7*
White	1992-07	0.2	2007-14	-1.6*									-1.2*	-1.6*
White NH ^{ef}	1992-07	0.3*	2007-14	-1.5*									-1.1*	-1.5*
Black	1992-14	0.4*	2007 11	1.5									0.4*	0.4*
Black NH ^{ef}	1992-14	0.5*											0.5*	0.5*
API ^e	1992-07	1.0*	2007-14	-2.9*									-2.0*	-2.9*
AI/AN ^{eg}	1992-14	1.1											1.1	1.1
Hispanic ^f	1992-14	-0.3											-0.3	-0.3
U.S. Cancer Mortal	litv ^c . 1975-	2014												
All Races	1975-83	-1.4*	1983-87	-2.8*	1987-93	0.2	1993-97	-1.0	1997-14	0.0			0.0	0.0
White	1975-82	-1.4*	1982-87	-2.3*	1987-00	-0.2*	2000-14	0.1					0.1	0.1
Black	1975-14	-0.9*											-0.9*	-0.9*
U.S. Cancer Mortal	lity ^c 1992-	2014												
All Races	1992-97	-0.9*	1997-14	0.0									0.0	0.0
White	1992-14	0.0											0.0	0.0
White NH ^{ef}	1992-99	-0.3	1999-14	0.2*									0.2*	0.2*
Black	1992-14	-0.7*											-0.7*	-0.7*
Black NH ^{ef}	1992-14	-0.6*											-0.6*	-0.6*
API ^e	1992-14	0.0											0.0	0.0
AI/AN ^{eg}	1992-14	2.8*											2.8*	2.8*
Hispanic ^f	1992-14	-0.4											-0.4	-0.4

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
- API Asian/Pacific Islander, AI/AN American Indian/Alaska Native, NH Non-Hispanic
- Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.
- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2014 With up to Five Joinpoints, 1992-2014 With up to Four Joinpoints, Females by Race/Ethnicity

	JP Tre	end 1	JP Trend 2		JP Tr	end 3	JP Tr	end 4	JP Trend 5		JP Trend 6		AAP	C^d
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC		2010-14
SEER 9 Delay-Adjus	sted Incider	nce ^a . 195	75-2014											
All Races	1975-02	0.2*	2002-14	-0.8*									-0.8*	-0.8*
White	1975-01	0.4*	2001-14	-0.7*									-0.7*	-0.7*
Black	1975-14	0.2											0.2	0.2
SEER 13 Delay-Adju	isted Thaid	ongo ^b 10	02-2014											
All Races	1992-04	-0.2	2004-14	-1.1*									-1.1*	-1.1*
White	1992-03	0.2	2004 14	-0.9*									-0.9*	-0.9*
Black	1992-14	-0.2	2005 11	0.9									-0.2	-0.2
													0.2	0.2
SEER 9 Observed In			-											
All Races	1975-02	0.2*	2002-14	-1.0*									-1.0*	-1.0*
White	1975-02	0.4*	2002-14	-1.0*									-1.0*	-1.0*
Black	1975-14	0.1											0.1	0.1
<u>SEER 13 Observed I</u>	Incidence ^b ,	1992-201	4											
All Races	1992-04	-0.2	2004-14	-1.3*									-1.3*	-1.3*
White	1992-04	-0.1	2004-14	-1.2*									-1.2*	-1.2*
White NH ^{ef}	1992-03	0.2	2003-14	-0.9*									-0.9*	-0.9*
Black	1992-14	-0.4											-0.4	-0.4
Black NH ^{ef}	1992-14	-0.3											-0.3	-0.3
API ^e	1992-14	-0.2											-0.2	-0.2
AI/AN ^{eg}	1992-14	3.0											3.0	3.0
Hispanic ^f	1992-14	-0.7*											-0.7*	-0.7*
U.S. Cancer Mortal	Lity ^c , 1975-	2014												
All Races	1975-86	-1.6*	1986-14	-0.4*									-0.4*	-0.4*
White	1975-86	-1.7*	1986-14	-0.3*									-0.3*	-0.3*
Black	1975-14	-1.0*											-1.0*	-1.0*
U.S. Cancer Mortal	lity ^c 1992-	2014												
All Races	1992-14	-0.5*											-0.5*	-0.5*
White	1992-14	-0.3*											-0.3*	-0.3*
White NH ^{ef}	1992-14	-0.2*											-0.2*	-0.2*
Black	1992-14	-1.2*											-1.2*	-1.2*
Black NH ^{ef}	1992-14	-1.2*											-1.2*	-1.2*
API ^e	1992-14	-1.1*											-1.1*	-1.1*
AI/AN ^{eg}	-	-											-	-
Hispanic ^f	1992-14	-0.2											-0.2	-0.2

Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. (<u>https://surveillance.cancer.gov/joinpoint</u>/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

- Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
- Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.

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

- Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.
- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

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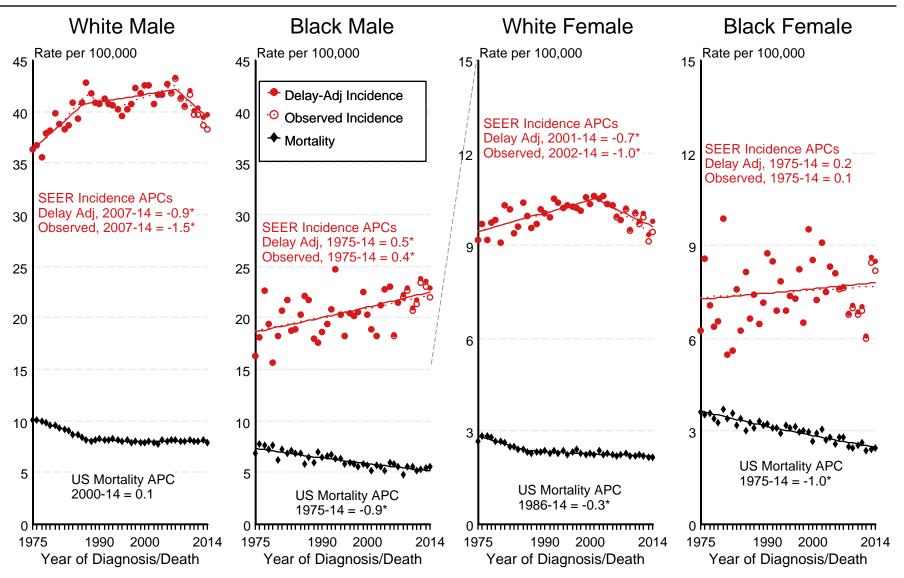
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Figure 27.1

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



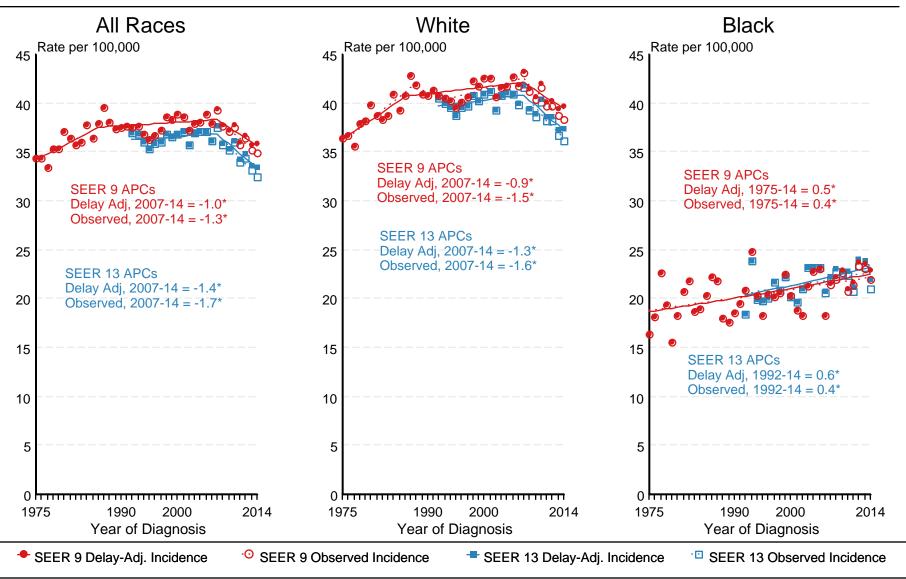
Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).

^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4. January 2017, National Cancer Institute. The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend. The APC is significantly different from zero (p < 0.05).

National Cancer Institute

Figure 27.3

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



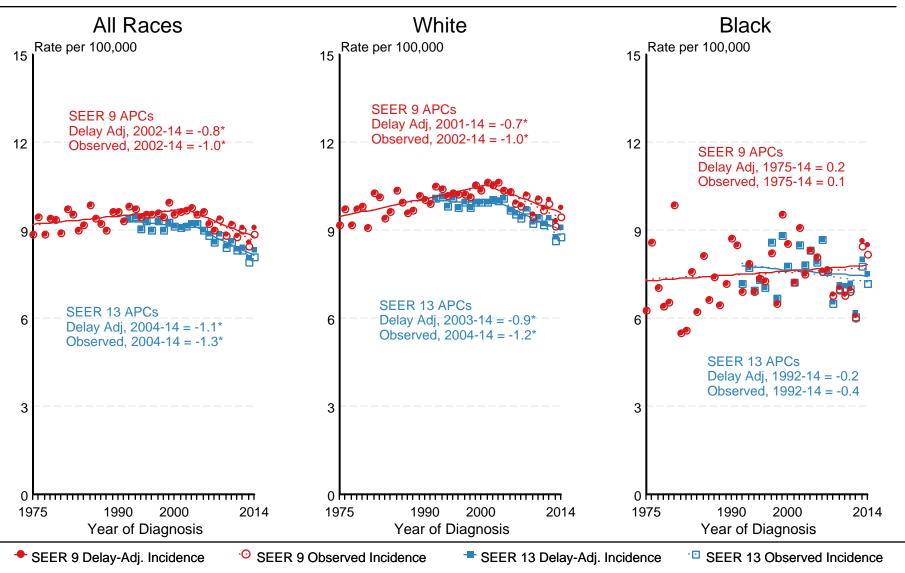
Source: SEER 9 areas and SEER 13 areas.

^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.

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

Figure 27.4

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

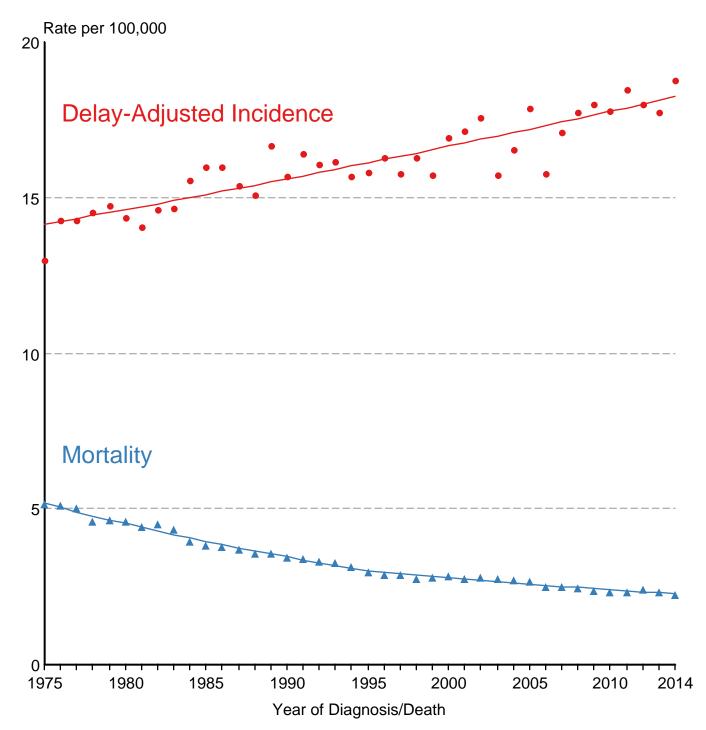


Source: SEER 9 areas and SEER 13 areas.

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

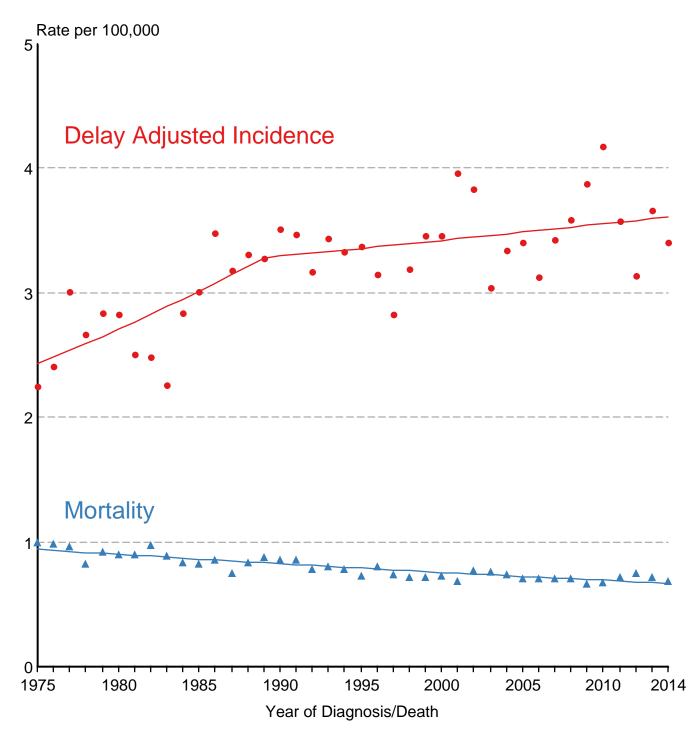
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 4.4, January 2017, National Cancer Institute. The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend. * The APC is significantly different from zero (p < 0.05).

SEER Delay-Adjusted Incidence and US Mortality All Childhood Cancers, Under 20 Years of Age Both Sexes, All Races, 1975-2014



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 4.4, January 2017, National Cancer Institute.

SEER Delay-Adjusted Incidence and US Mortality Brain and CNS, Under 15 Years of Age Both Sexes, All Races, 1975-2014



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 4.4, January 2017, National Cancer Institute.