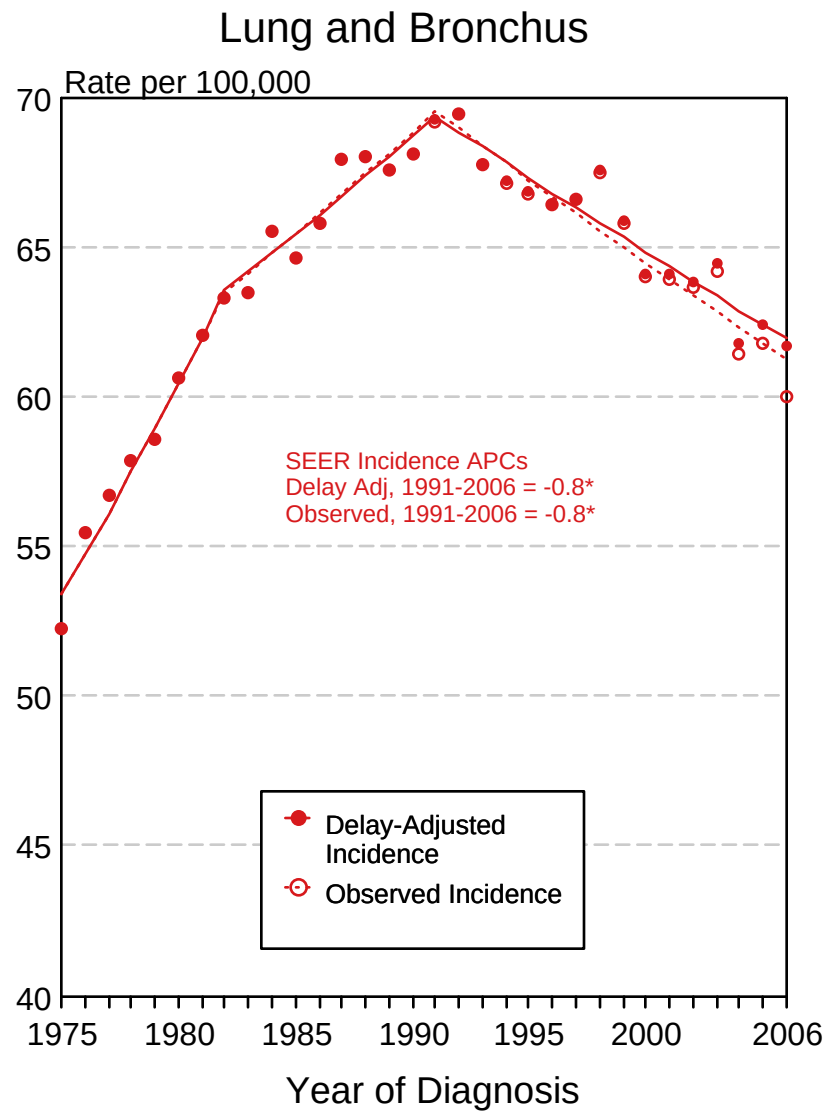
SEER Observed Incidence and Delay Adjusted Incidence Rates[a]
All Cancer Sites, By Sex

[a] Source: SEER 9 areas. Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, 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 1.21

SEER Observed Incidence and Delay Adjusted Incidence Rates [a]
Both Sexes



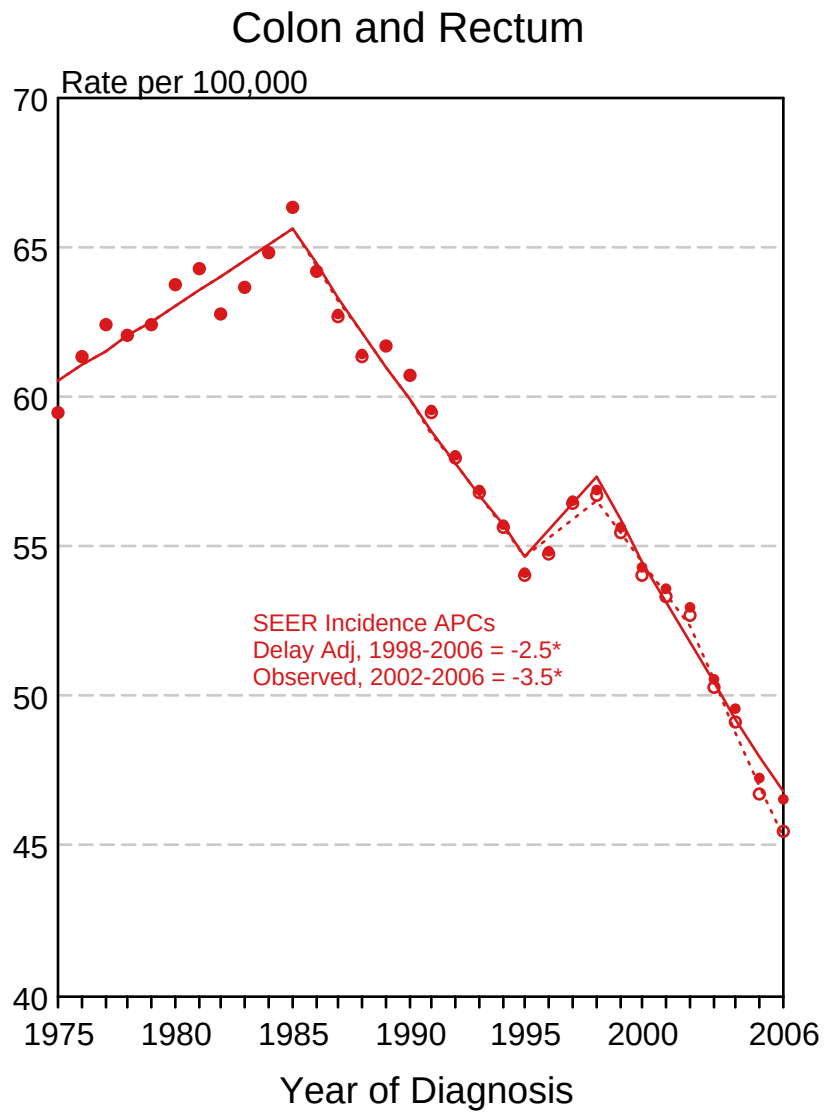
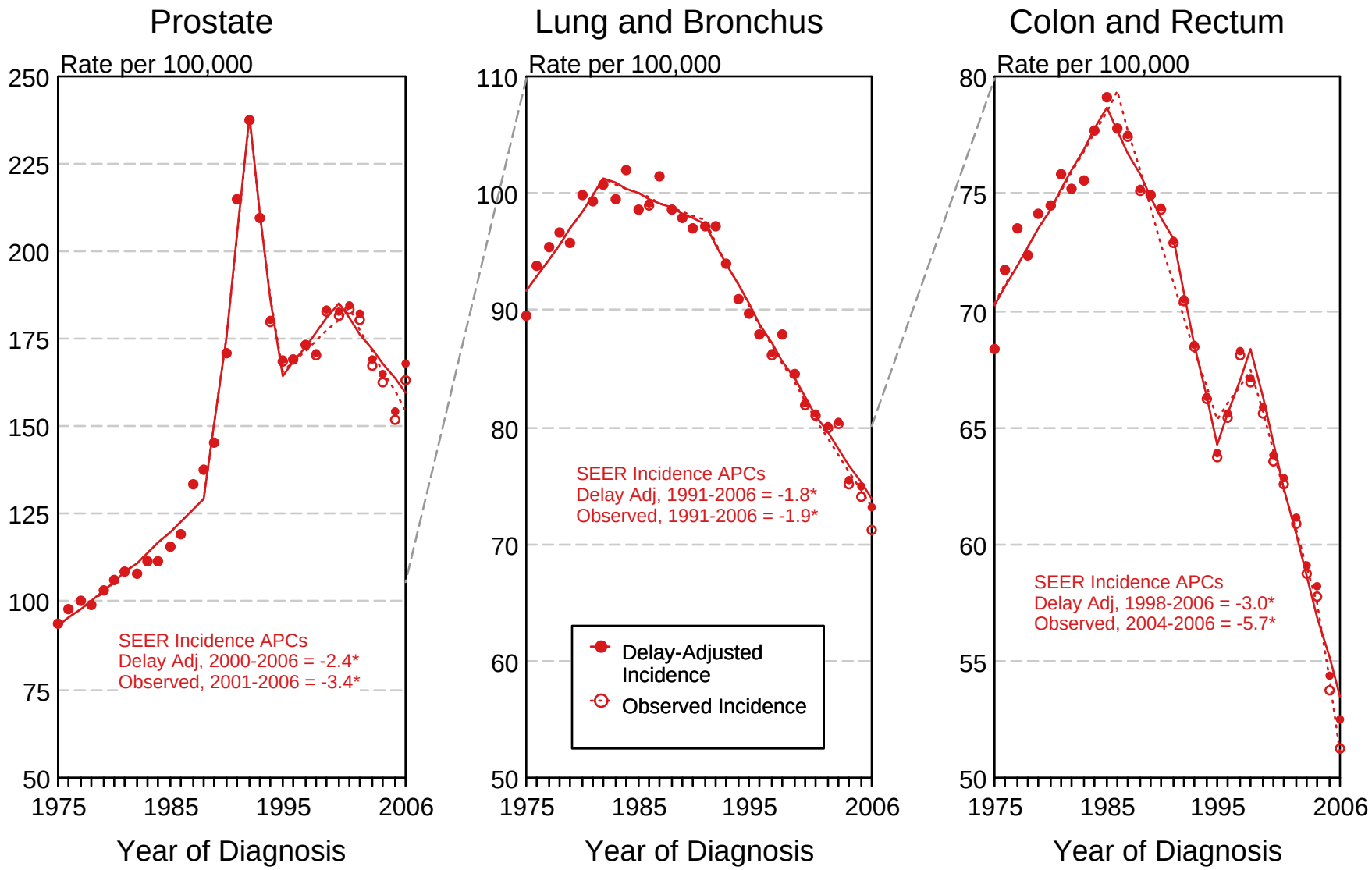


Figure 1.22

[a] Source: SEER 9 areas. Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute.
The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.

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

SEER Observed Incidence and Delay Adjusted Incidence Rates[a]
Males

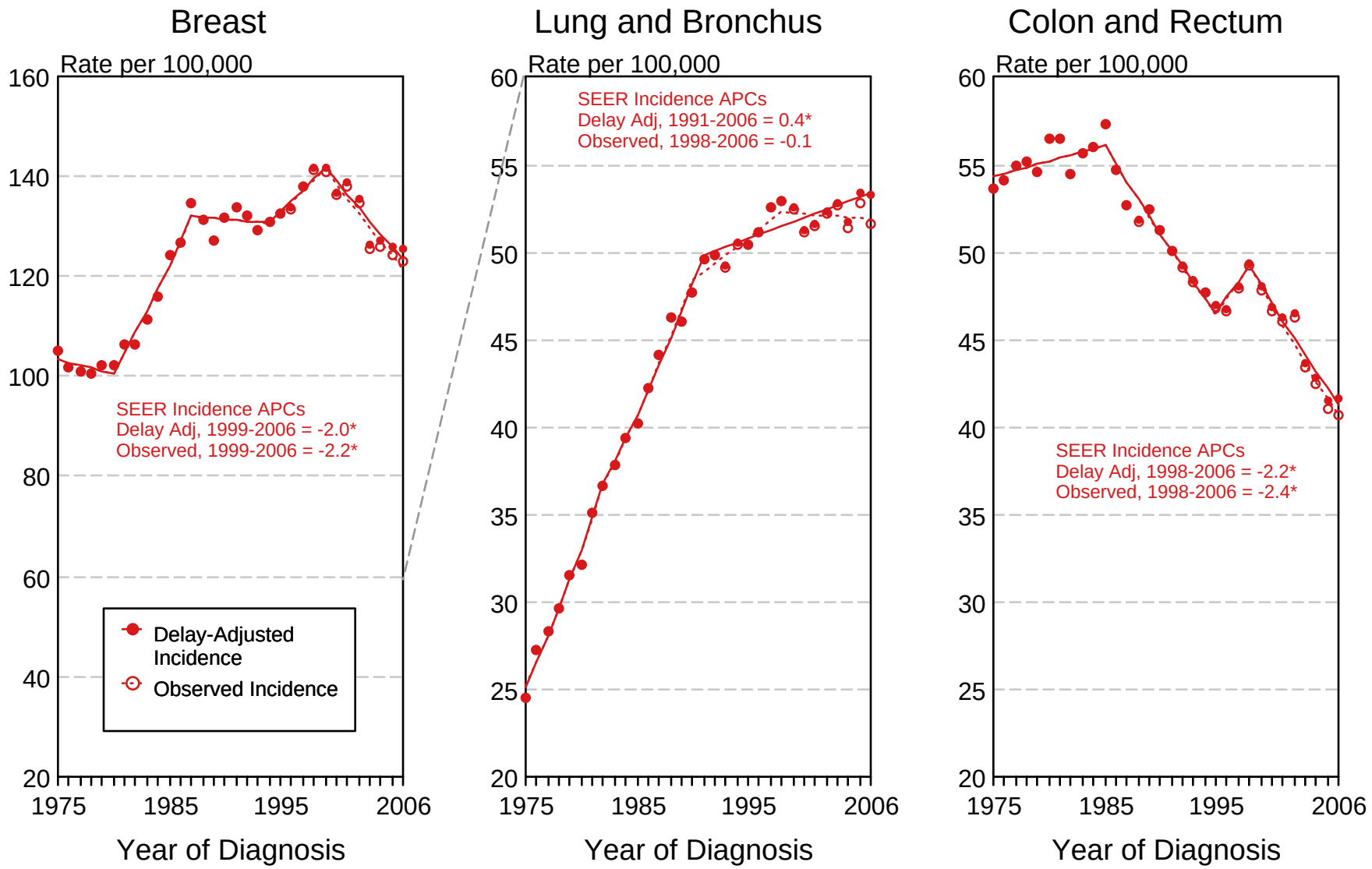


[a] Source: SEER 9 areas. Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute.
The APC is the Annual Percent Change for the regression 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 1.23

SEER Observed Incidence and Delay Adjusted Incidence Rates[a]
Females



[a] Source: SEER 9 areas. Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, 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 1.24

Table 2.1
All Cancer Sites (Invasive)

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Both Sexes by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-1989	1.2*	1989-1992	2.8	1992-1995	-2.4	1995-1999	0.9	1999-2006	-0.7*	-0.4*	-0.7*
White	1975-1982	0.9*	1982-1992	1.8*	1992-1995	-2.1	1995-1999	1.2	1999-2006	-0.7*	-0.3	-0.7*
Black	1975-1984	1.6*	1984-1989	0.4	1989-1992	4.3*	1992-2006	-0.9*			-0.9*	-0.9*
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-1994	-3.2*	1994-1999	0.4	1999-2006	-0.9*					-0.6*	-0.9*
White	1992-1994	-3.3*	1994-1999	0.7	1999-2006	-0.8*					-0.5*	-0.8*
Black	1992-2004	-0.7*	2004-2006	-2.6							-1.1*	-1.6*
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-1989	1.2*	1989-1992	2.8*	1992-1995	-2.4	1995-1999	1.0	1999-2006	-1.1*	-0.6*	-1.1*
White	1975-1982	0.9*	1982-1992	1.8*	1992-1995	-2.0	1995-2000	0.8*	2000-2006	-1.2*	-0.6*	-1.2*
Black	1975-1984	1.6*	1984-1989	0.4	1989-1992	4.2*	1992-2004	-0.9*	2004-2006	-3.0	-1.4*	-2.0*
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-1994	-2.9*	1994-2001	0.1	2001-2006	-1.6*					-0.8*	-1.6*
White	1992-1994	-3.0*	1994-2001	0.3	2001-2006	-1.6*					-0.8*	-1.6*
White NH[ef]	1992-1994	-3.0*	1994-2001	0.4*	2001-2006	-1.5*					-0.6*	-1.5*
Black	1992-2004	-0.8*	2004-2006	-3.8*							-1.5*	-2.3*
Black NH[ef]	1992-2004	-0.8*	2004-2006	-3.6*							-1.4*	-2.2*
API[e]	1992-1995	-1.9	1995-2002	0.0	2002-2006	-1.9*					-0.9*	-1.9*
AI/AN[eg]	1992-2006	0.1									0.1	0.1
Hispanic[f]	1992-2006	-0.6*									-0.6*	-0.6*
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1990	0.5*	1990-1993	-0.3	1993-2001	-1.1*	2001-2006	-1.6*			-1.4*	-1.6*
White	1975-1990	0.4*	1990-1994	-0.3	1994-1997	-1.4*	1997-2000	-0.6	2000-2006	-1.4*	-1.2*	-1.4*
Black	1975-1983	1.3*	1983-1991	0.7*	1991-1995	-0.8*	1995-2002	-1.7*	2002-2006	-2.3*	-1.9*	-2.3*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-2001	-1.0*	2001-2006	-1.6*							-1.3*	-1.6*
White	1992-2001	-0.9*	2001-2006	-1.5*							-1.2*	-1.5*
White NH[ef]	1992-2002	-0.8*	2002-2006	-1.4*							-1.1*	-1.4*
Black	1992-1995	-0.8	1995-2002	-1.7*	2002-2006	-2.3*					-2.0*	-2.3*
Black NH[ef]	1992-1999	-1.2*	1999-2006	-1.9*							-1.7*	-1.9*
API[e]	1992-2006	-1.7*									-1.7*	-1.7*
AI/AN[eg]	1992-2006	-0.2									-0.2	-0.2
Hispanic[f]	1992-1999	-0.2	1999-2006	-1.9*							-1.5*	-1.9*

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

Table 2.2
All Cancer Sites (Invasive)

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Males by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-1989	1.3*	1989-1992	5.2*	1992-1995	-4.9*	1995-2000	0.5	2000-2006	-1.3*	-0.7*	-1.3*
White	1975-1989	1.4*	1989-1992	5.0*	1992-1995	-5.0*	1995-2001	0.6*	2001-2006	-1.5*	-0.6*	-1.5*
Black	1975-1981	2.8*	1981-1989	0.7	1989-1992	6.9*	1992-2006	-1.7*			-1.7*	-1.7*
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-1995	-4.4*	1995-2001	0.1	2001-2006	-1.7*					-0.9*	-1.7*
White	1992-1994	-6.7*	1994-2001	0.0	2001-2006	-1.5*					-0.8*	-1.5*
Black	1992-2004	-1.5*	2004-2006	-4.9							-2.2*	-3.2*
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-1989	1.3*	1989-1992	5.1*	1992-1995	-4.8*	1995-2001	0.3	2001-2006	-1.9*	-0.9*	-1.9*
White	1975-1989	1.4*	1989-1992	5.0*	1992-1995	-5.1*	1995-2001	0.5*	2001-2006	-2.0*	-0.9*	-2.0*
Black	1975-1981	2.8*	1981-1989	0.6	1989-1992	6.7*	1992-2004	-1.7*	2004-2006	-4.7*	-2.4*	-3.2*
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-1995	-4.5*	1995-2001	0.1	2001-2006	-2.1*					-1.1*	-2.1*
White	1992-1994	-6.7*	1994-2001	-0.1	2001-2006	-1.9*					-1.1*	-1.9*
White NH[ef]	1992-1994	-6.8*	1994-2001	0.1	2001-2006	-1.8*					-1.0*	-1.8*
Black	1992-2004	-1.6*	2004-2006	-6.2*							-2.6*	-3.9*
Black NH[ef]	1992-2004	-1.6*	2004-2006	-5.9*							-2.6*	-3.7*
API[e]	1992-1996	-2.7*	1996-2001	0.2	2001-2006	-2.1*					-1.1*	-2.1*
AI/AN[eg]	1992-2006	-1.0									-1.0*	-1.0*
Hispanic[f]	1992-2004	-0.8*	2004-2006	-4.7							-1.7*	-2.8*
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1979	1.0*	1979-1990	0.3*	1990-1993	-0.5	1993-2001	-1.5*	2001-2006	-2.0*	-1.8*	-2.0*
White	1975-1980	0.8*	1980-1992	0.2*	1992-2001	-1.4*	2001-2006	-1.8*			-1.6*	-1.8*
Black	1975-1982	1.8*	1982-1990	1.0*	1990-1993	-0.2	1993-2000	-2.0*	2000-2006	-2.8*	-2.5*	-2.8*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-2001	-1.5*	2001-2006	-2.0*							-1.8*	-2.0*
White	1992-2001	-1.4*	2001-2006	-1.8*							-1.6*	-1.8*
White NH[ef]	1992-2006	-1.4*									-1.4*	-1.4*
Black	1992-1996	-1.2*	1996-2006	-2.6*							-2.6*	-2.6*
Black NH[ef]	1992-1999	-1.7*	1999-2006	-2.5*							-2.3*	-2.5*
API[e]	1992-2006	-2.1*									-2.1*	-2.1*
AI/AN[eg]	1992-2006	-0.5									-0.5*	-0.5*
Hispanic[f]	1992-1998	-0.1	1998-2006	-2.4*							-2.2*	-2.4*

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

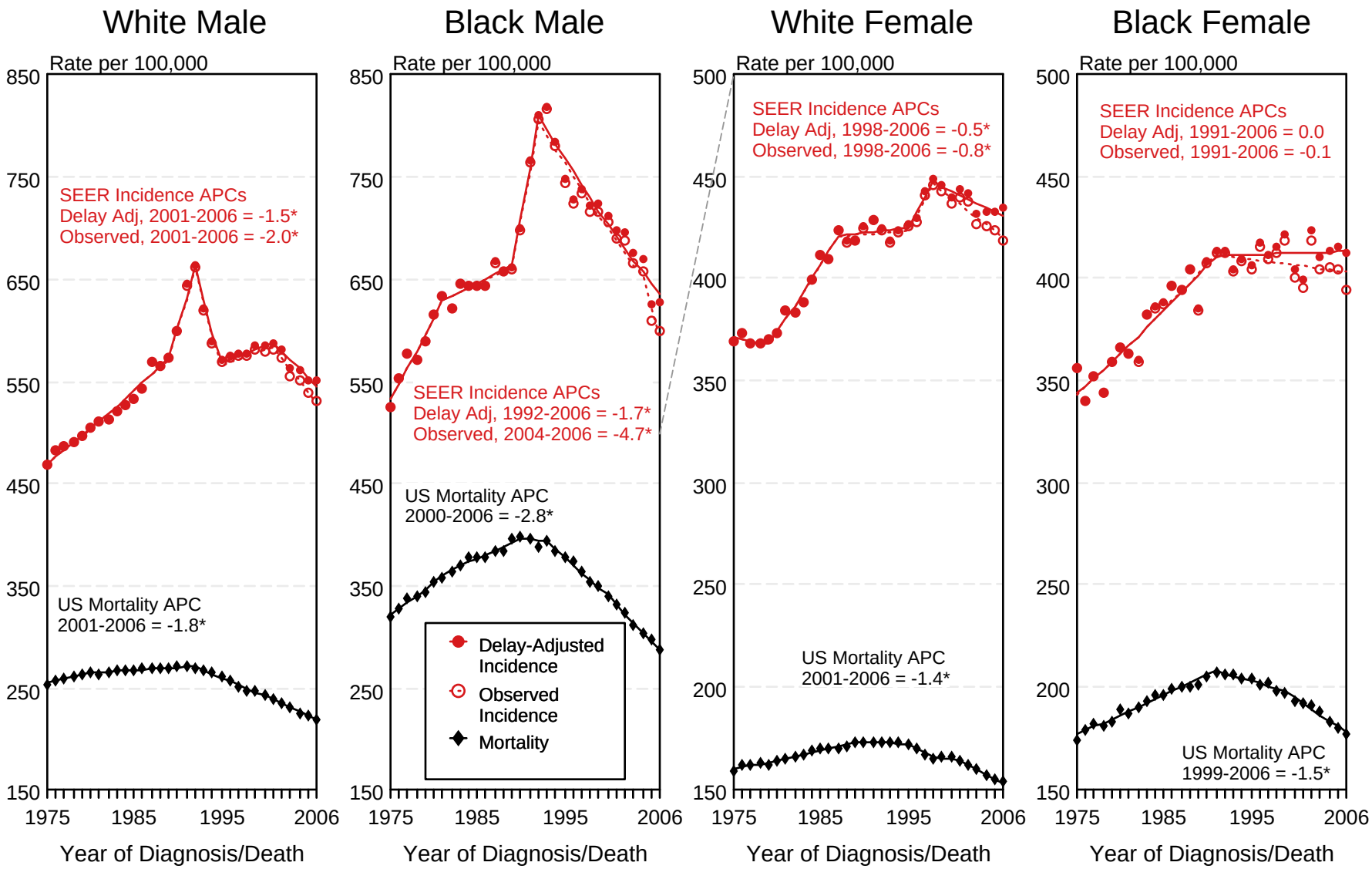
Table 2.3
All Cancer Sites (Invasive)

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Females by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-1979	-0.3	1979-1987	1.6*	1987-1995	0.1	1995-1998	1.4	1998-2006	-0.5*	-0.3	-0.5*
White	1975-1979	-0.2	1979-1987	1.7*	1987-1995	0.1	1995-1998	1.7	1998-2006	-0.5*	-0.2	-0.5*
Black	1975-1991	1.1*	1991-2006	0.0							0.0	0.0
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-1998	0.8*	1998-2006	-0.6*							-0.5*	-0.6*
White	1992-1998	1.0*	1998-2006	-0.6*							-0.4*	-0.6*
Black	1992-2006	0.0									0.0	0.0
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-1979	-0.3	1979-1987	1.6*	1987-1995	0.1	1995-1998	1.5	1998-2006	-0.8*	-0.5*	-0.8*
White	1975-1979	-0.2	1979-1987	1.7*	1987-1995	0.1	1995-1998	1.8	1998-2006	-0.8*	-0.5*	-0.8*
Black	1975-1991	1.1*	1991-2006	-0.1							-0.1	-0.1
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-1998	0.8*	1998-2006	-0.9*							-0.7*	-0.9*
White	1992-1994	-0.4	1994-1998	1.5*	1998-2006	-0.9*					-0.7*	-0.9*
White NH[ef]	1992-1994	-0.1	1994-1998	1.6*	1998-2006	-0.8*					-0.6*	-0.8*
Black	1992-2006	-0.2									-0.2	-0.2
Black NH[ef]	1992-2006	-0.2									-0.2	-0.2
API[e]	1992-2002	0.4	2002-2006	-1.5							-0.4	-1.5
AI/AN[eg]	1992-2006	1.1*									1.1*	1.1*
Hispanic[f]	1992-2006	-0.2									-0.2	-0.2
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1990	0.6*	1990-1994	-0.1	1994-2002	-0.8*	2002-2006	-1.5*			-1.1*	-1.5*
White	1975-1990	0.6*	1990-1995	-0.2	1995-1998	-1.2*	1998-2001	-0.3	2001-2006	-1.4*	-1.0*	-1.4*
Black	1975-1991	1.0*	1991-1999	-0.6*	1999-2006	-1.5*					-1.3*	-1.5*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-2001	-0.7*	2001-2006	-1.4*							-1.1*	-1.4*
White	1992-2001	-0.7*	2001-2006	-1.3*							-1.0*	-1.3*
White NH[ef]	1992-2001	-0.5*	2001-2006	-1.2*							-0.9*	-1.2*
Black	1992-1997	-0.5*	1997-2003	-1.2*	2003-2006	-2.0*					-1.4*	-1.8*
Black NH[ef]	1992-1997	-0.3	1997-2003	-1.0*	2003-2006	-1.9*					-1.3*	-1.7*
API[e]	1992-2006	-1.1*									-1.1*	-1.1*
AI/AN[eg]	1992-2006	0.1									0.1	0.1
Hispanic[f]	1992-2000	-0.2	2000-2006	-1.6*							-1.1*	-1.6*

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

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

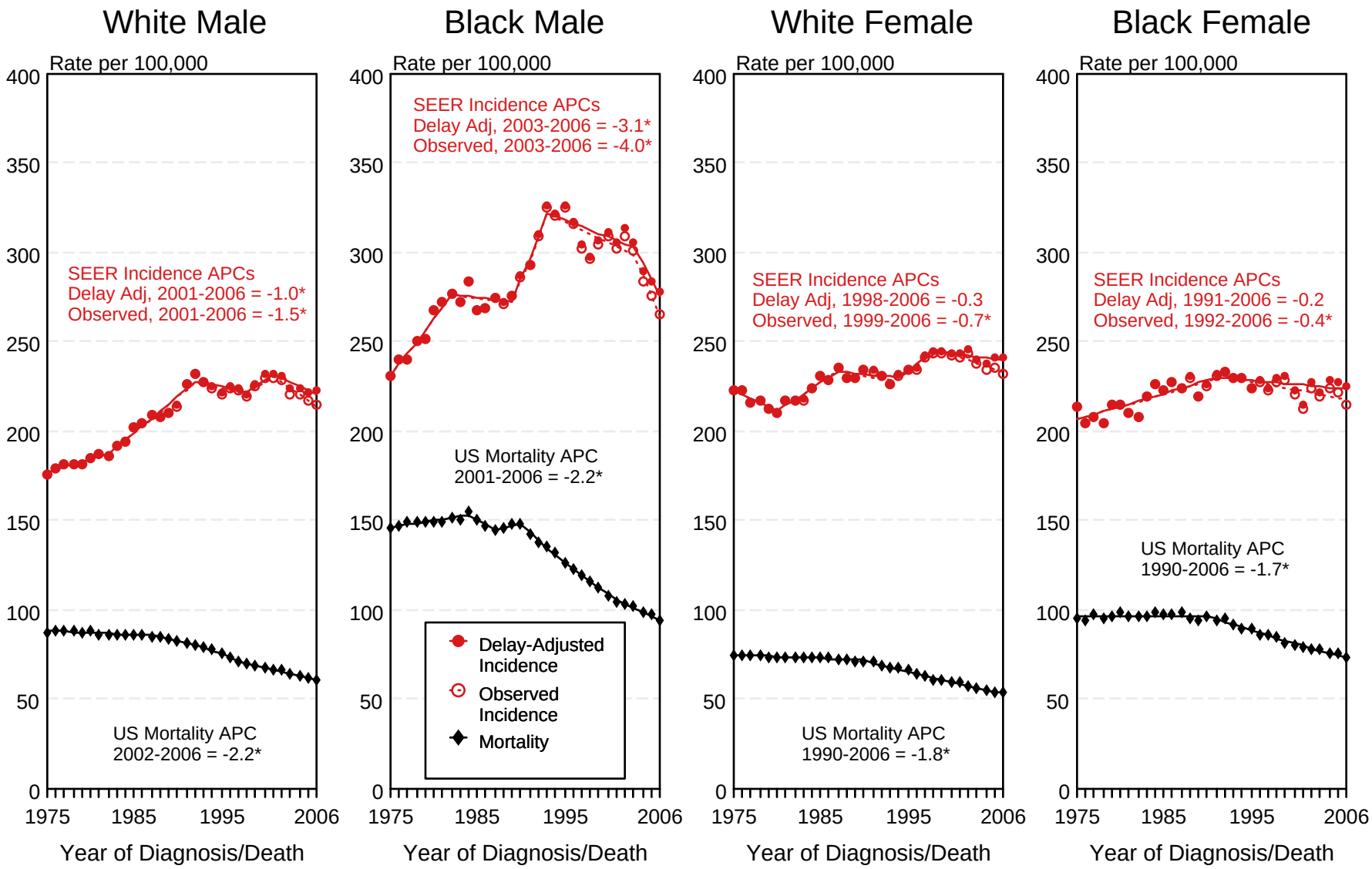


[a] Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute.
The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.

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

Figure 2.1

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

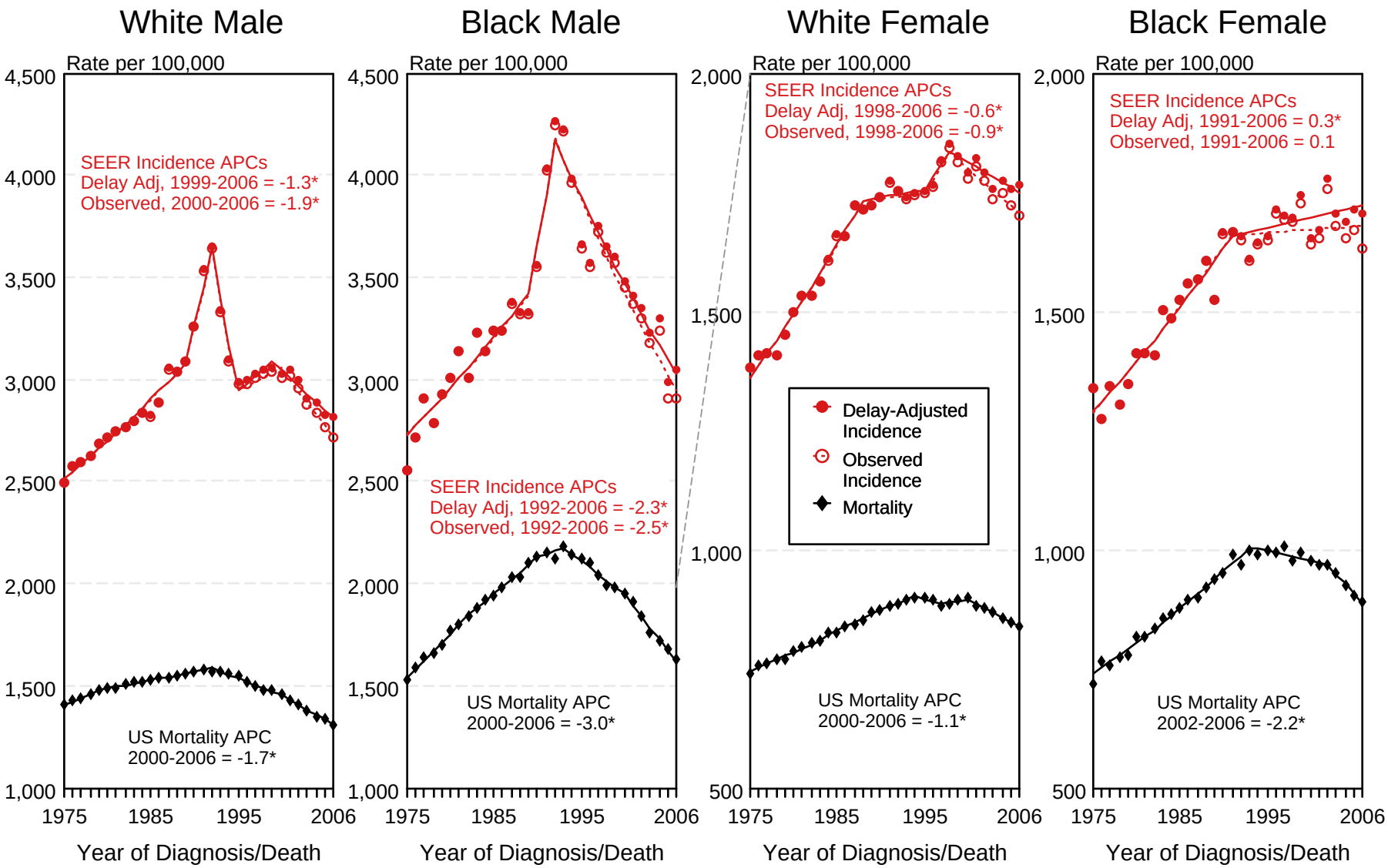


[a] Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute.
The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.

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

Figure 2.2

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

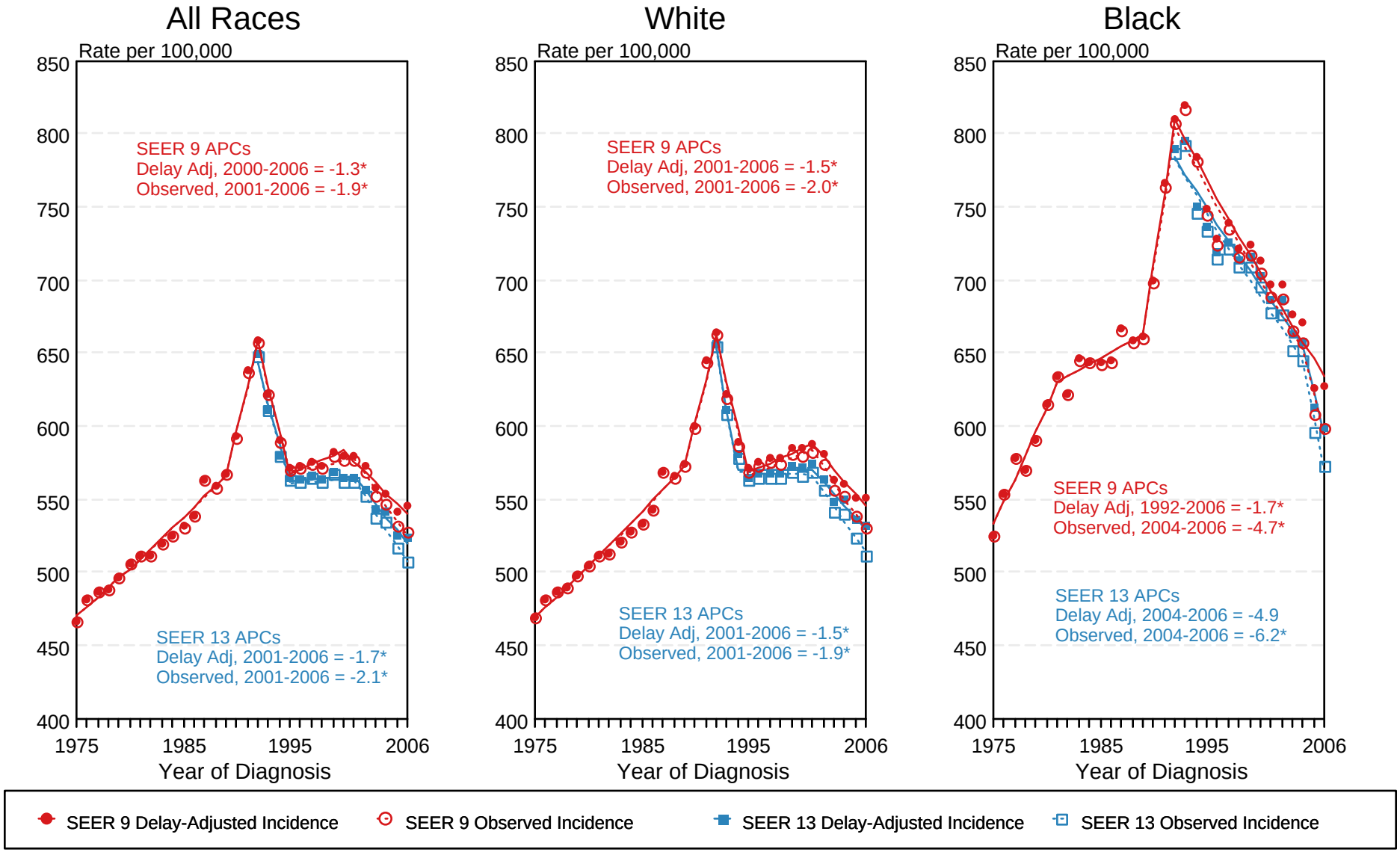


[a] Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute.
The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.

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

Figure 2.3

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

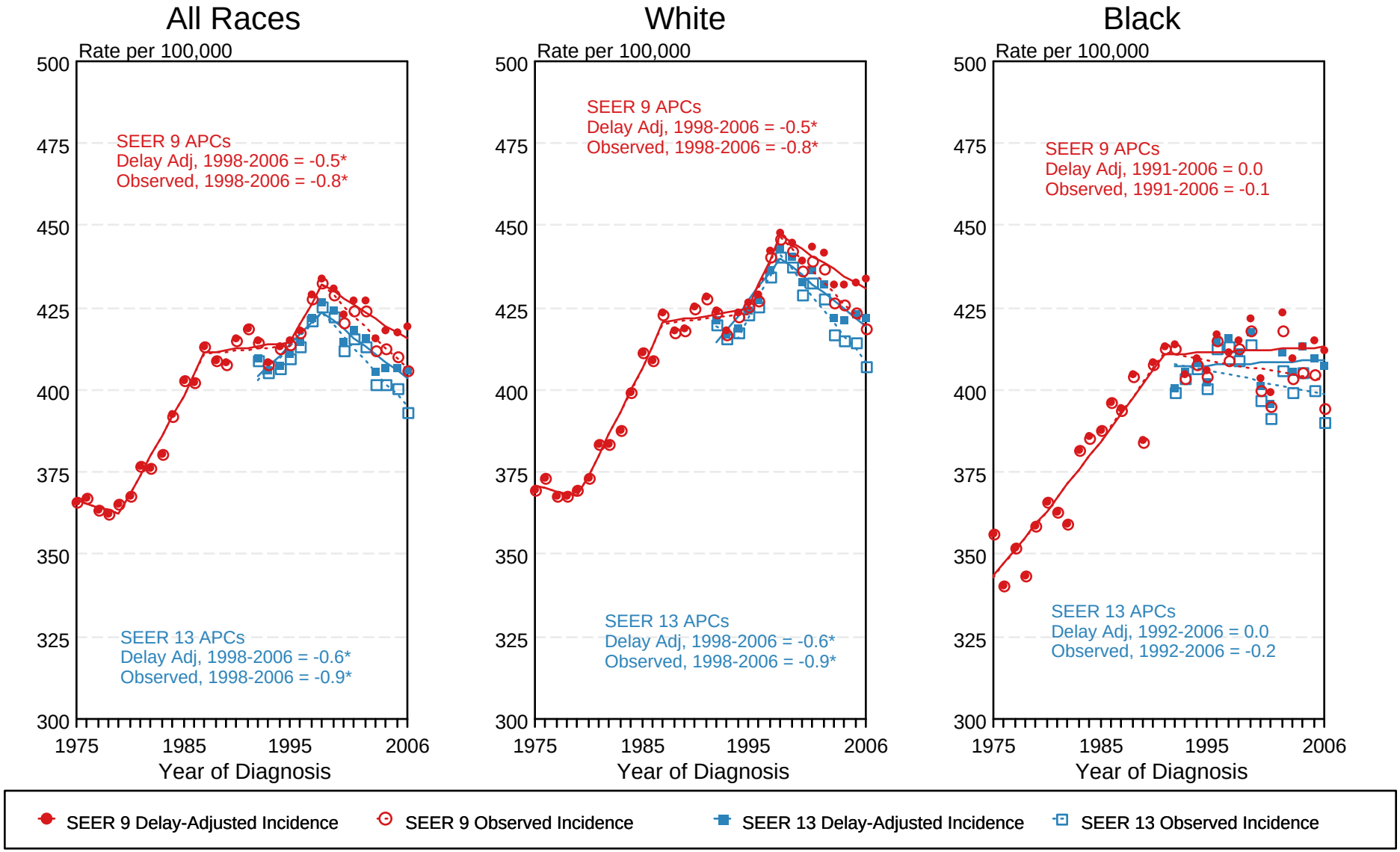


[a] Source: SEER 9 areas and SEER 13 areas.
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute.
The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.

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

Figure 2.5

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



[a] Source: SEER 9 areas and SEER 13 areas.
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute.
The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.
* The APC is significantly different from zero ($p < 0.05$).

Figure 2.6

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,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Both Sexes by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-1987	1.5*	1987-2006	-0.2							-0.2*	-0.2*
White	1975-1987	1.6*	1987-2006	0.0							0.0	0.0
Black	1975-2006	0.3									0.3	0.3
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-2006	-0.2									-0.2	-0.2
White	1992-2006	0.0									0.0	0.0
Black	1992-2006	0.1									0.1	0.1
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-1988	1.4*	1988-2006	-0.4*							-0.4*	-0.4*
White	1975-1988	1.5*	1988-2006	-0.2							-0.2	-0.2
Black	1975-2006	0.2									0.2	0.2
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-2006	-0.4*									-0.4*	-0.4*
White	1992-2006	-0.2									-0.2	-0.2
White NH[ef]	1992-2006	-0.1									-0.1	-0.1
Black	1992-2006	-0.2									-0.2	-0.2
Black NH[ef]	1992-2006	-0.2									-0.2	-0.2
API[e]	1992-2000	-2.5*	2000-2003	6.9	2003-2006	-9.1*					-1.8	-5.3
AI/AN[eg]	1992-2006	4.9*									4.9*	4.9*
Hispanic[f]	1992-2006	0.3									0.3	0.3
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1977	3.7	1977-1981	-0.7	1981-1991	1.3*	1991-2006	-1.0*			-1.0*	-1.0*
White	1975-1992	1.0*	1992-2006	-0.9*							-0.9*	-0.9*
Black	1975-1985	0.1	1985-1988	4.4	1988-2006	-0.9*					-0.9*	-0.9*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-2006	-1.0*									-1.0*	-1.0*
White	1992-2006	-0.9*									-0.9*	-0.9*
White NH[ef]	1992-2006	-0.8*									-0.8*	-0.8*
Black	1992-2006	-1.0*									-1.0*	-1.0*
Black NH[ef]	1992-2006	-0.9*									-0.9*	-0.9*
API[e]	1992-2006	0.1									0.1	0.1
AI/AN[eg]	1992-2006	-0.3									-0.3	-0.3
Hispanic[f]	1992-2006	-0.2									-0.2	-0.2

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

Table 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,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Males by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-1991	1.0*	1991-2006	-0.5*							-0.5*	-0.5*
White	1975-1991	1.2*	1991-2006	-0.3							-0.3	-0.3
Black	1975-2006	0.0									0.0	0.0
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-2006	-0.4*									-0.4*	-0.4*
White	1992-2006	-0.2									-0.2	-0.2
Black	1992-2006	0.0									0.0	0.0
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-1991	1.1*	1991-2006	-0.7*							-0.7*	-0.7*
White	1975-1991	1.2*	1991-2006	-0.5*							-0.5*	-0.5*
Black	1975-2006	-0.1									-0.1	-0.1
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-2006	-0.6*									-0.6*	-0.6*
White	1992-2006	-0.4									-0.4*	-0.4*
White NH[ef]	1992-2006	-0.4									-0.4	-0.4
Black	1992-2006	-0.3									-0.3	-0.3
Black NH[ef]	1992-2006	-0.3									-0.3	-0.3
API[e]	1992-2006	-1.2									-1.2	-1.2
AI/AN[eg]	1992-2006	1.0									1.0	1.0
Hispanic[f]	1992-2006	1.0									1.0	1.0
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1977	4.4	1977-1982	-0.4	1982-1991	1.3*	1991-2006	-1.0*			-1.0*	-1.0*
White	1975-1977	4.7	1977-1982	-0.3	1982-1991	1.4*	1991-2006	-0.9*			-0.9*	-0.9*
Black	1975-1990	0.7*	1990-2006	-0.8*							-0.8*	-0.8*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-2006	-0.9*									-0.9*	-0.9*
White	1992-2006	-0.9*									-0.9*	-0.9*
White NH[ef]	1992-2006	-0.8*									-0.8*	-0.8*
Black	1992-2006	-0.7*									-0.7*	-0.7*
Black NH[ef]	1992-2006	-0.8*									-0.8*	-0.8*
API[e]	1992-2006	1.2									1.2	1.2
AI/AN[eg]	1992-2006	1.2									1.2	1.2
Hispanic[f]	1992-2006	-0.5									-0.5	-0.5

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

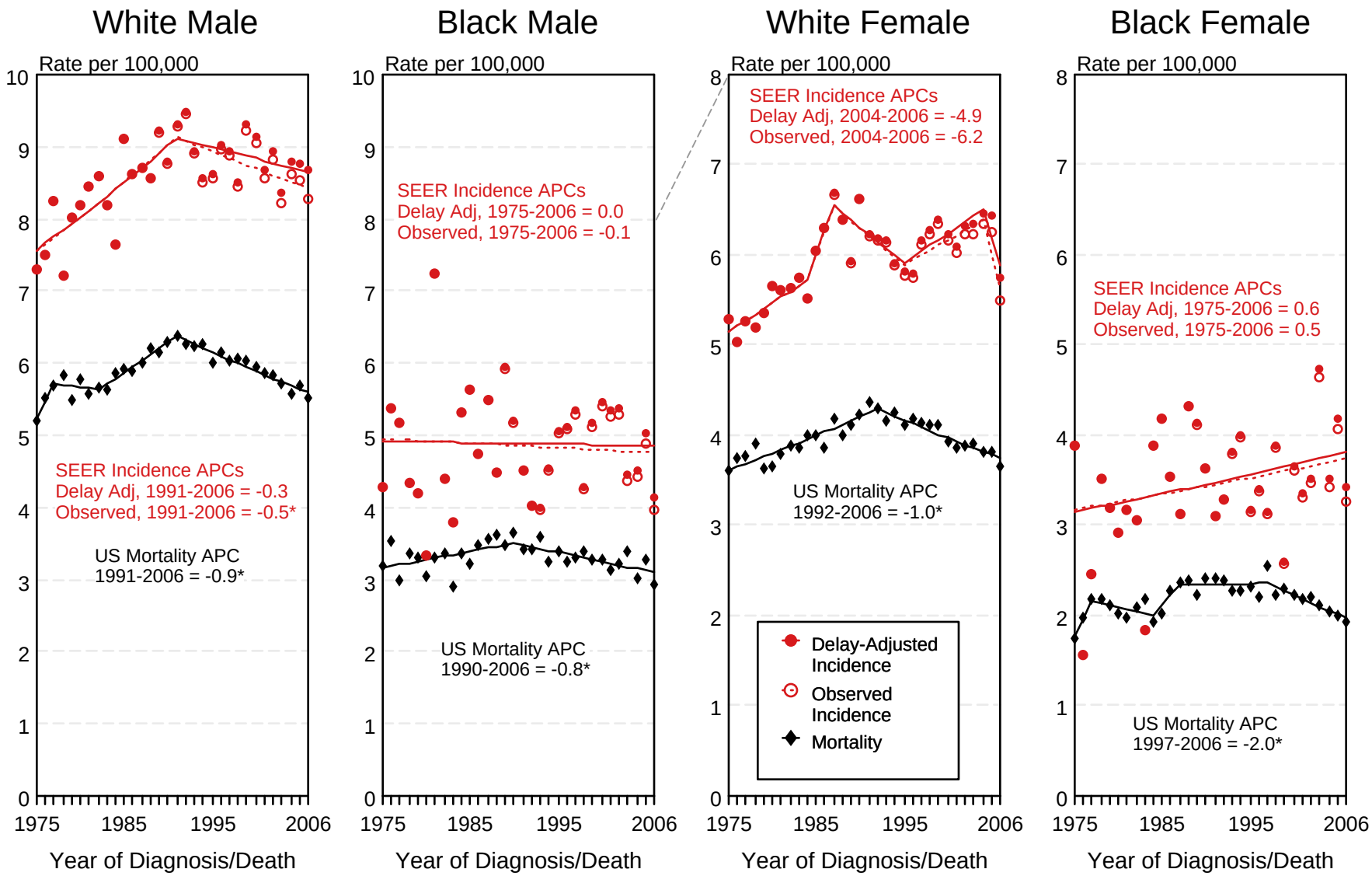
Table 3.3
Cancer of the Brain and Other Nervous System (Invasive)

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Females by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-1987	1.6*	1987-2006	-0.1							-0.1	-0.1
White	1975-1984	1.2*	1984-1987	4.6	1987-1995	-1.3*	1995-2004	1.1*	2004-2006	-4.9	-0.3	-2.0
Black	1975-2006	0.6									0.6	0.6
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-2006	0.0									0.0	0.0
White	1992-2006	0.1									0.1	0.1
Black	1992-2006	0.2									0.2	0.2
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-1987	1.6*	1987-2006	-0.3							-0.3	-0.3
White	1975-1984	1.2*	1984-1987	4.5	1987-1995	-1.3*	1995-2004	0.9	2004-2006	-6.2	-0.7	-2.7
Black	1975-2006	0.5									0.5	0.5
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-2006	-0.2									-0.2	-0.2
White	1992-2006	-0.1									-0.1	-0.1
White NH[ef]	1992-2006	0.2									0.2	0.2
Black	1992-2006	-0.1									-0.1	-0.1
Black NH[ef]	1992-2006	-0.1									-0.1	-0.1
API[e]	1992-2006	-0.5									-0.5	-0.5
AI/AN[eg]	-	-									-	-
Hispanic[f]	1992-2006	-0.6									-0.6	-0.6
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1992	1.0*	1992-2006	-1.1*							-1.1*	-1.1*
White	1975-1992	1.0*	1992-2006	-1.0*							-1.0*	-1.0*
Black	1975-1977	10.9	1977-1984	-1.2	1984-1987	5.5	1987-1997	0.1	1997-2006	-2.0*	-2.0*	-2.0*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-2006	-1.1*									-1.1*	-1.1*
White	1992-2006	-1.0*									-1.0*	-1.0*
White NH[ef]	1992-2006	-0.9*									-0.9*	-0.9*
Black	1992-2006	-1.2*									-1.2*	-1.2*
Black NH[ef]	1992-2006	-1.1*									-1.1*	-1.1*
API[e]	1992-2006	-1.0									-1.0	-1.0
AI/AN[eg]	1992-2006	-1.4									-1.4	-1.4
Hispanic[f]	1992-2006	0.0									0.0	0.0

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

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

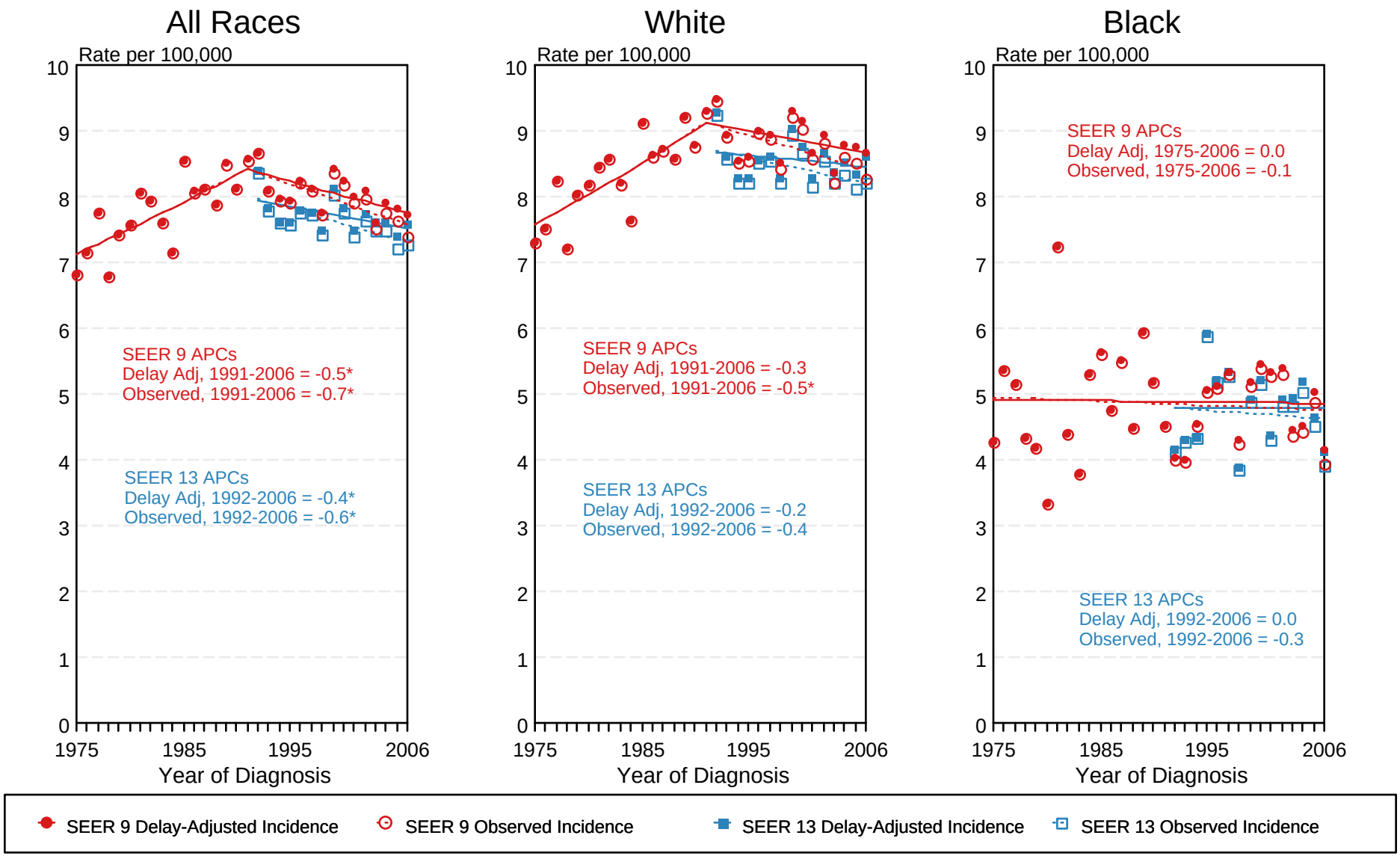


[a] Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer 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 3.1

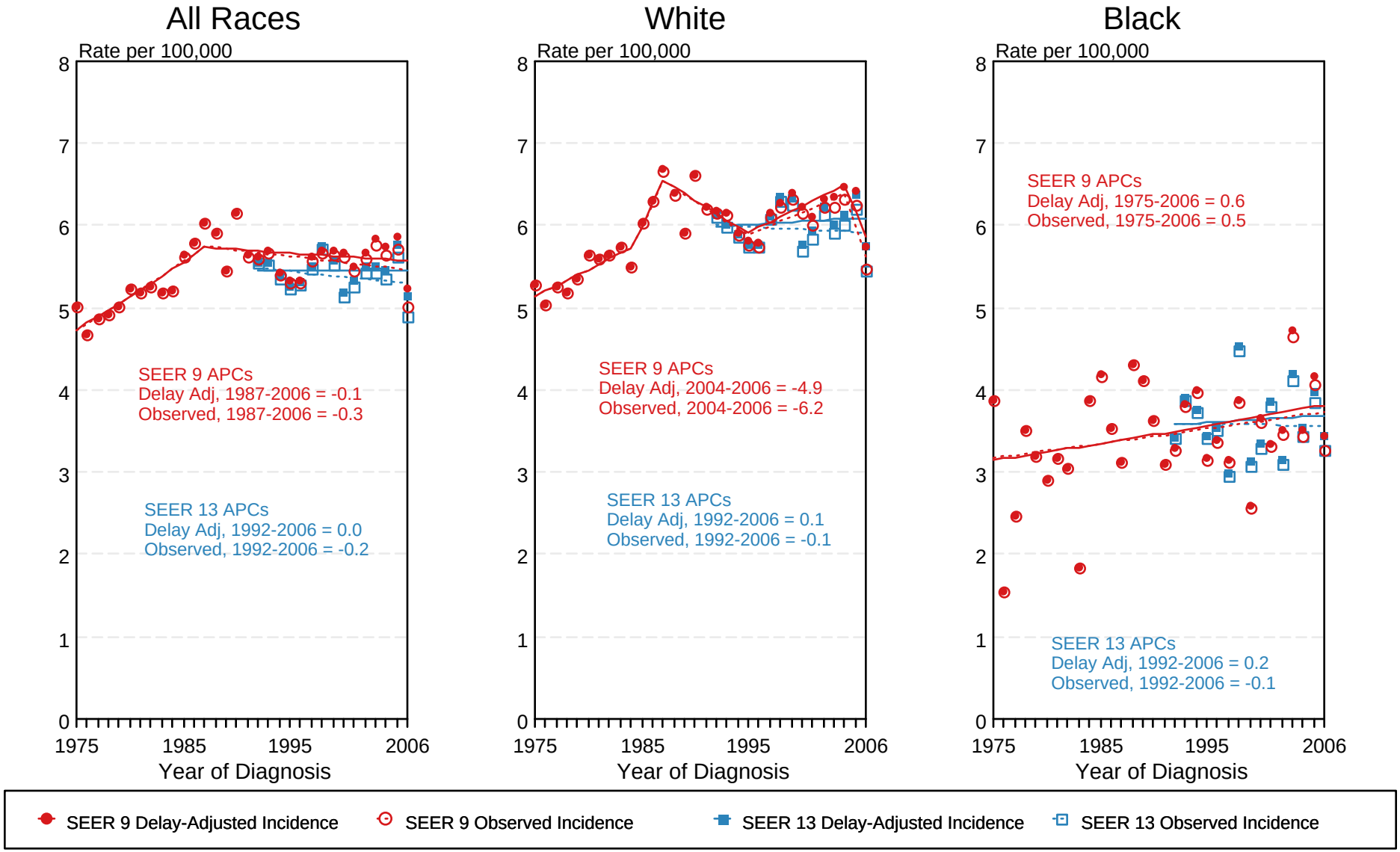
SEER Observed Incidence and SEER Delay Adjusted Incidence Rates[a]
SEER 9 Areas Compared to SEER 13 Areas
Cancer of the Brain and Other Nervous System, Male, by Race



[a] Source: SEER 9 areas and SEER 13 areas.
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, 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 3.3

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, Female, by Race



[a] Source: SEER 9 areas and SEER 13 areas.
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, 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

Table 4.1
Cancer of the Female Breast (Invasive)

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
All Ages by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-1980	-0.5	1980-1987	4.0*	1987-1994	-0.1	1994-1999	1.6*	1999-2006	-2.0*	-1.2*	-2.0*
White	1975-1980	-0.5	1980-1987	4.1*	1987-1994	-0.2	1994-1999	1.9*	1999-2006	-2.2*	-1.3*	-2.2*
Black	1975-1992	2.3*	1992-2006	-0.2							-0.2	-0.2
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-1999	1.3*	1999-2006	-2.0*							-1.3*	-2.0*
White	1992-1999	1.5*	1999-2006	-2.2*							-1.4*	-2.2*
Black	1992-2006	-0.1									-0.1	-0.1
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-1980	-0.5	1980-1987	4.0*	1987-1994	-0.2	1994-1999	1.6*	1999-2006	-2.2*	-1.3*	-2.2*
White	1975-1980	-0.5	1980-1987	4.1*	1987-1994	-0.2	1994-1999	1.9*	1999-2006	-2.3*	-1.4*	-2.3*
Black	1975-1992	2.3*	1992-2006	-0.3							-0.3	-0.3
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-1999	1.2*	1999-2006	-2.2*							-1.4*	-2.2*
White	1992-1999	1.4*	1999-2006	-2.4*							-1.5*	-2.4*
White NH[ef]	1992-1999	1.6*	1999-2006	-2.3*							-1.5*	-2.3*
Black	1992-2006	-0.2									-0.2	-0.2
Black NH[ef]	1992-2006	-0.2									-0.2	-0.2
API[e]	1992-1994	-4.8	1994-1997	7.0	1997-2006	-0.8					-0.8*	-0.8*
AI/AN[eg]	1992-2006	-0.3									-0.3	-0.3
Hispanic[f]	1992-2006	0.0									0.0	0.0
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1990	0.4*	1990-1995	-1.8*	1995-1998	-3.3*	1998-2006	-1.9*			-2.0*	-1.9*
White	1975-1990	0.3*	1990-1995	-2.0*	1995-1998	-3.5*	1998-2006	-2.0*			-2.1*	-2.0*
Black	1975-1992	1.5*	1992-2006	-1.4*							-1.4*	-1.4*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-1995	-1.3*	1995-1998	-3.5*	1998-2006	-1.9*					-2.1*	-1.9*
White	1992-1995	-1.5*	1995-1998	-3.7*	1998-2006	-1.9*					-2.1*	-1.9*
White NH[ef]	1992-1995	-1.6*	1995-1998	-3.6*	1998-2006	-1.7*					-1.9*	-1.7*
Black	1992-1995	0.4	1995-2006	-1.6*							-1.6*	-1.6*
Black NH[ef]	1992-2006	-1.1*									-1.1*	-1.1*
API[e]	1992-2006	-0.6*									-0.6*	-0.6*
AI/AN[eg]	1992-2006	0.3									0.3	0.3
Hispanic[f]	1992-2006	-1.9*									-1.9*	-1.9*

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

Table 4.2
Cancer of the Female Breast (Invasive)

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Ages <50 by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-1980	-1.3	1980-1986	2.8*	1986-2006	-0.2					-0.2	-0.2
White	1975-1980	-1.1	1980-1986	2.8*	1986-2006	-0.2					-0.2*	-0.2*
Black	1975-1991	1.4*	1991-2006	-0.6*							-0.6*	-0.6*
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-2006	-0.1									-0.1	-0.1
White	1992-2006	-0.1									-0.1	-0.1
Black	1992-2002	-1.4*	2002-2006	2.6							0.4	2.6
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-1980	-1.4	1980-1986	2.9*	1986-2006	-0.2*					-0.2*	-0.2*
White	1975-1980	-1.1	1980-1986	2.8*	1986-2006	-0.2*					-0.2*	-0.2*
Black	1975-1991	1.4*	1991-2006	-0.8*							-0.8*	-0.8*
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-2006	-0.2									-0.2	-0.2
White	1992-1998	0.6	1998-2006	-0.7*							-0.5*	-0.7*
White NH[ef]	1992-1998	0.8*	1998-2006	-0.5*							-0.3	-0.5*
Black	1992-2002	-1.4*	2002-2006	2.2							0.2	2.2
Black NH[ef]	1992-2002	-1.5*	2002-2006	2.5							0.3	2.5
API[e]	1992-2004	1.4*	2004-2006	-5.5							-0.1	-2.1
AI/AN[eg]	1992-2006	0.7									0.7	0.7
Hispanic[f]	1992-2006	0.0									0.0	0.0
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1990	-0.4*	1990-2006	-3.2*							-3.2*	-3.2*
White	1975-1990	-0.6*	1990-2006	-3.6*							-3.6*	-3.6*
Black	1975-1988	1.8*	1988-2006	-1.9*							-1.9*	-1.9*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-2006	-3.2*									-3.2*	-3.2*
White	1992-2006	-3.6*									-3.6*	-3.6*
White NH[ef]	1992-2006	-3.4*									-3.4*	-3.4*
Black	1992-2006	-2.1*									-2.1*	-2.1*
Black NH[ef]	1992-2006	-2.0*									-2.0*	-2.0*
API[e]	1992-2006	-2.1*									-2.1*	-2.1*
AI/AN[eg]	1992-2006	-0.8									-0.8	-0.8
Hispanic[f]	1992-2006	-3.1*									-3.1*	-3.1*

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

Table 4.3
Cancer of the Female Breast (Invasive)

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Ages 50+ by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-1982	0.9	1982-1987	5.3*	1987-1993	-0.3	1993-1999	1.9*	1999-2006	-2.5*	-1.5*	-2.5*
White	1975-1982	0.9	1982-1987	5.6*	1987-1993	-0.4	1993-1999	2.0*	1999-2006	-2.6*	-1.6*	-2.6*
Black	1975-1994	2.5*	1994-2006	-0.3							-0.3	-0.3
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-1999	1.6*	1999-2006	-2.5*							-1.6*	-2.5*
White	1992-1999	1.8*	1999-2006	-2.7*							-1.7*	-2.7*
Black	1992-2006	0.1									0.1	0.1
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-1982	0.9	1982-1987	5.3*	1987-1993	-0.3	1993-1999	1.8*	1999-2006	-2.7*	-1.7*	-2.7*
White	1975-1982	0.9	1982-1987	5.5*	1987-1993	-0.4	1993-1999	2.0*	1999-2006	-2.8*	-1.8*	-2.8*
Black	1975-1995	2.3*	1995-2006	-0.6							-0.6	-0.6
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-1999	1.6*	1999-2006	-2.7*							-1.8*	-2.7*
White	1992-1999	1.8*	1999-2006	-2.9*							-1.9*	-2.9*
White NH[ef]	1992-1999	2.0*	1999-2006	-2.9*							-1.8*	-2.9*
Black	1992-1997	1.7	1997-2006	-0.8							-0.8*	-0.8*
Black NH[ef]	1992-2006	-0.1									-0.1	-0.1
API[e]	1992-1994	-5.5	1994-1997	8.0	1997-2006	-1.2*					-1.2*	-1.2*
AI/AN[eg]	1992-2006	-0.7									-0.7	-0.7
Hispanic[f]	1992-2006	0.1									0.1	0.1
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1990	0.6*	1990-2006	-2.0*							-2.0*	-2.0*
White	1975-1990	0.5*	1990-2006	-2.1*							-2.1*	-2.1*
Black	1975-1993	1.6*	1993-2006	-1.2*							-1.2*	-1.2*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-1995	-1.2*	1995-1998	-3.2*	1998-2006	-1.7*					-1.9*	-1.7*
White	1992-1994	-0.6	1994-1997	-3.4*	1997-2006	-1.9*					-1.9*	-1.9*
White NH[ef]	1992-1994	-0.5	1994-1997	-3.5*	1997-2006	-1.6*					-1.6*	-1.6*
Black	1992-2006	-1.1*									-1.1*	-1.1*
Black NH[ef]	1992-2006	-0.9*									-0.9*	-0.9*
API[e]	1992-2006	-0.1									-0.1	-0.1
AI/AN[eg]	1992-2006	0.5									0.5	0.5
Hispanic[f]	1992-2006	-1.6*									-1.6*	-1.6*

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

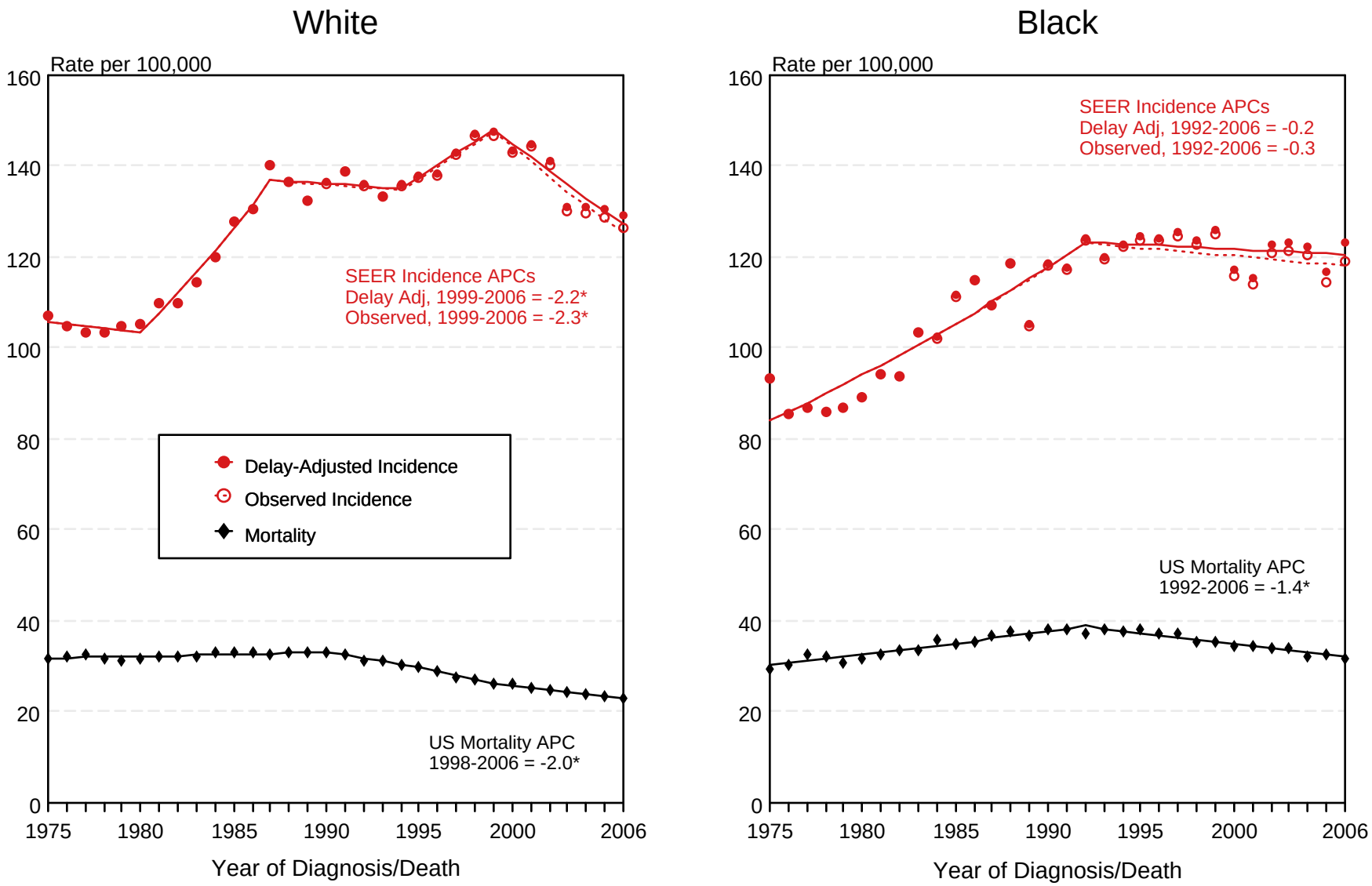
Table 4.4
Cancer of the Female Breast (*In Situ*)

Trends in SEER Incidence[ab] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
All Ages by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-1981	-3.0	1981-1987	24.9*	1987-1995	4.2*	1995-1998	11.9*	1998-2006	0.0	1.2*	0.0
White	1975-1981	-2.9	1981-1987	25.5*	1987-1995	3.9*	1995-1998	12.1*	1998-2006	0.0	1.2	0.0
Black	1975-1981	3.1	1981-1988	18.5*	1988-1998	7.8*	1998-2006	1.7*			2.4*	1.7*
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-1999	7.4*	1999-2006	-0.4							1.3*	-0.4
White	1992-1994	0.8	1994-1999	8.8*	1999-2006	-0.9*					1.2*	-0.9*
Black	1992-1998	9.0*	1998-2006	1.4							2.3*	1.4
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-1981	-3.0	1981-1987	24.9*	1987-1995	4.2*	1995-1998	12.0*	1998-2006	-0.1	1.2*	-0.1
White	1975-1981	-2.9	1981-1987	25.4*	1987-1995	3.9*	1995-1998	12.1*	1998-2006	-0.2	1.1	-0.2
Black	1975-1981	3.1	1981-1988	18.4*	1988-1998	7.8*	1998-2006	1.6*			2.3*	1.6*
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-1999	7.5*	1999-2006	-0.4							1.3*	-0.4
White	1992-1994	0.8	1994-1999	8.8*	1999-2006	-1.0*					1.1*	-1.0*
White NH[ef]	1992-1994	0.7	1994-1999	9.2*	1999-2006	-1.0*					1.2*	-1.0*
Black	1992-1998	9.1*	1998-2006	1.3							2.1*	1.3
Black NH[ef]	1992-1998	8.9*	1998-2006	1.4							2.2*	1.4
API[e]	1992-2002	7.5*	2002-2006	-3.0							2.7*	-3.0
AI/AN[eg]	1992-2006	2.4									2.4	2.4
Hispanic[f]	1992-1998	8.4*	1998-2006	1.7*							2.5*	1.7*

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

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

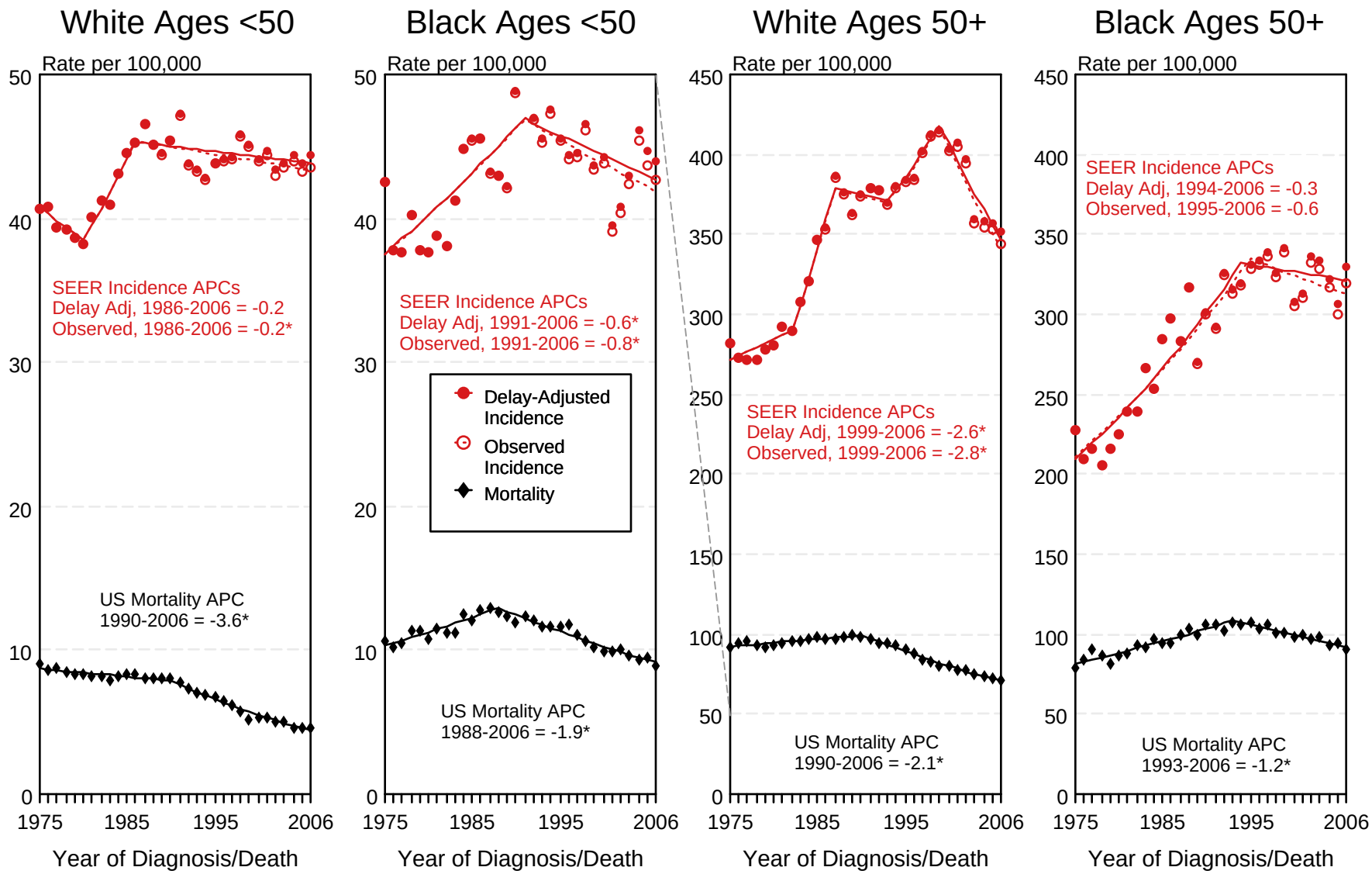


[a] Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute.
The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.

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

Figure 4.1

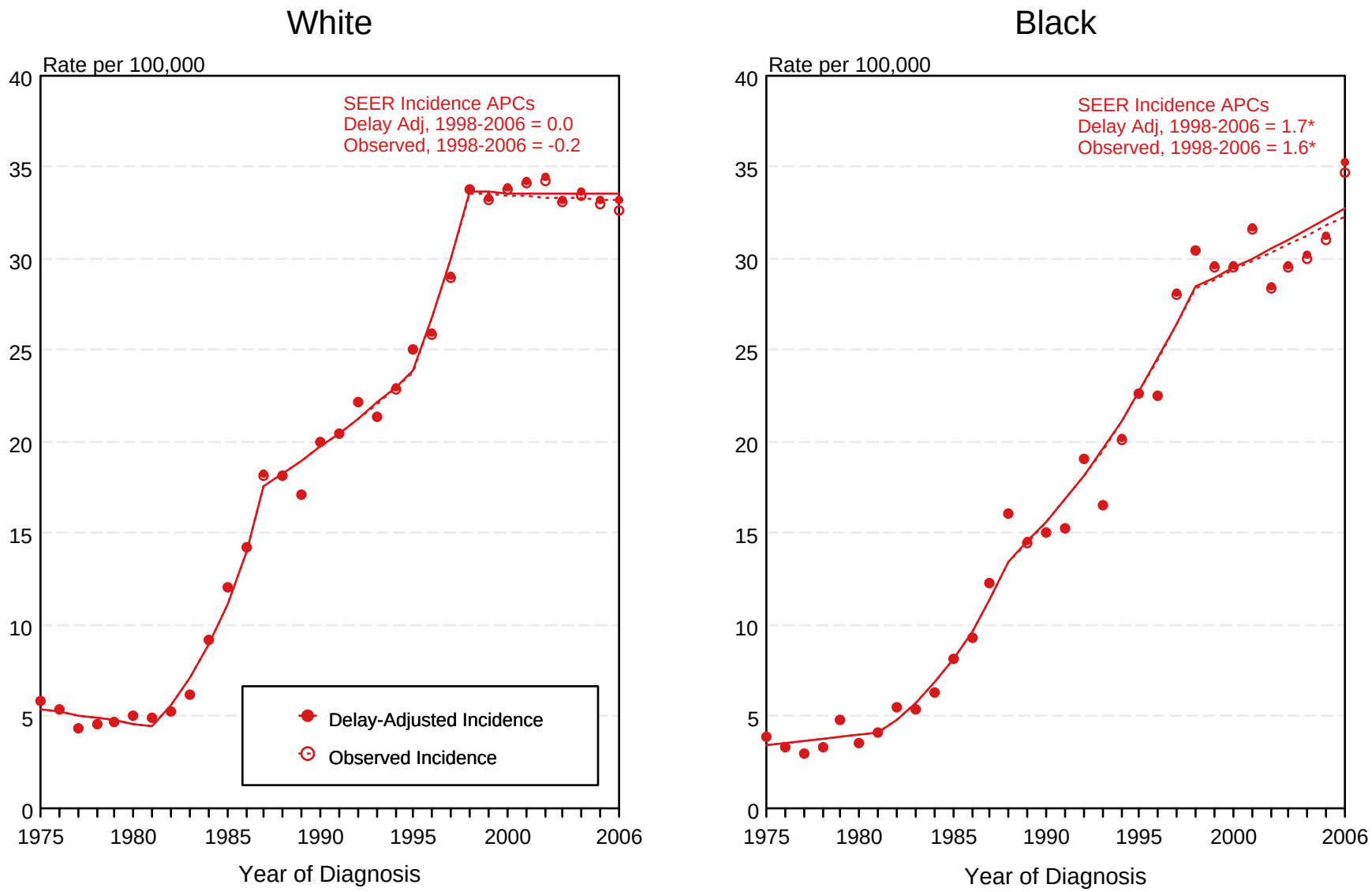
SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates[a]
Cancer of the Female Breast, by Age and Race



[a] Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute.
The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.

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

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



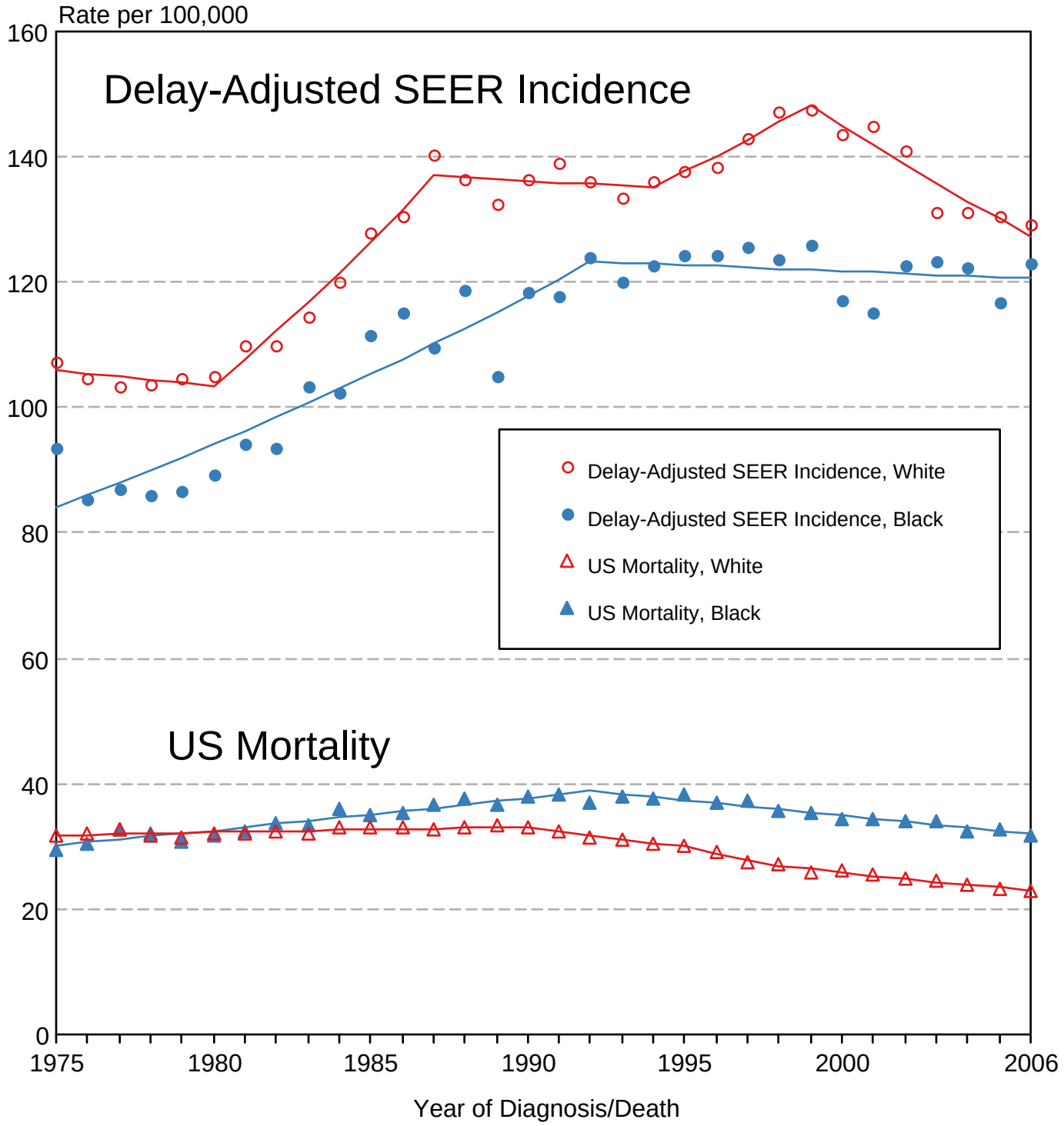
[a] Source: SEER 9 areas. Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute.
The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.
The APC is significantly different from zero ($p < 0.05$).

*

Figure 4.3

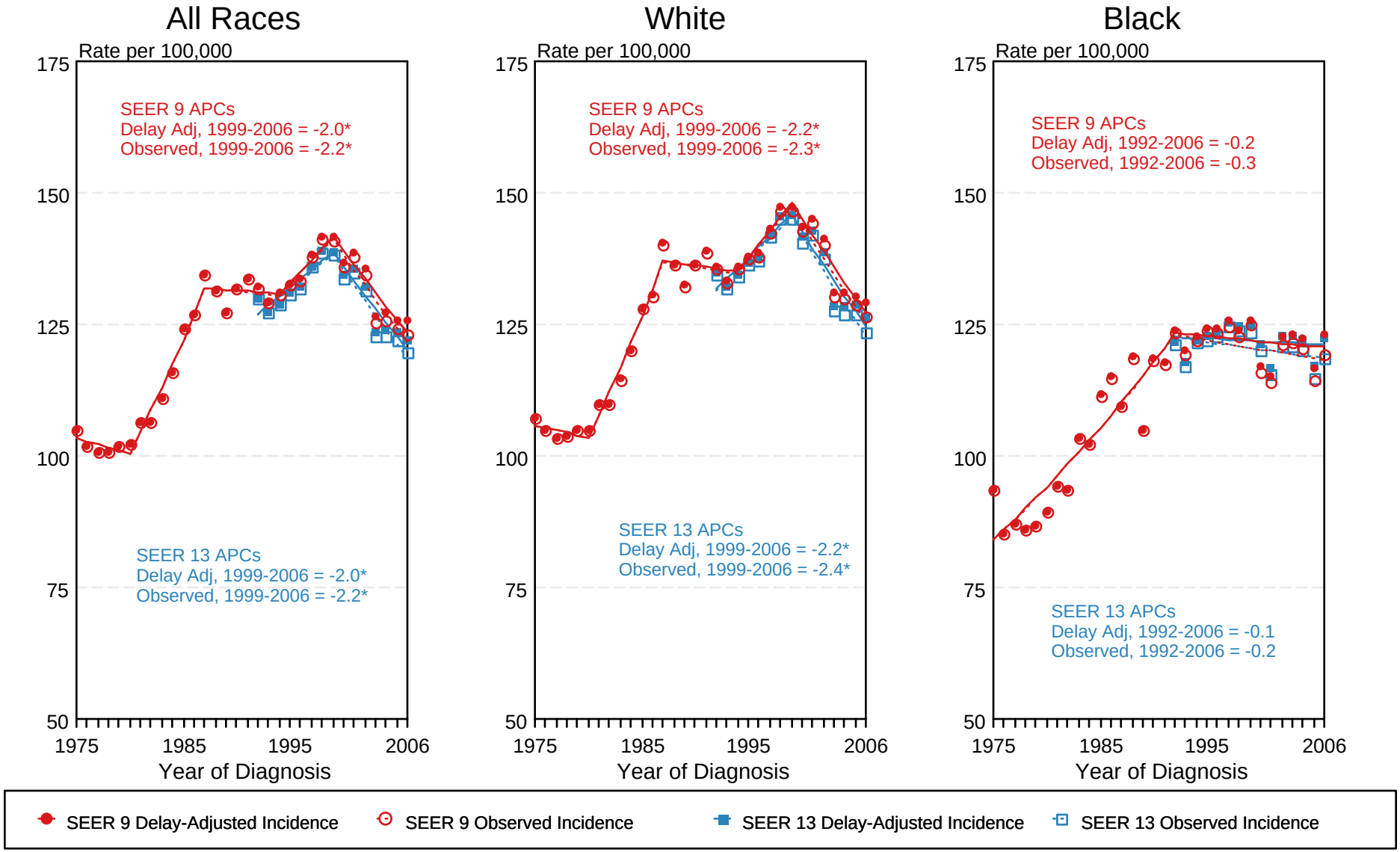
Figure 4.8

Cancer of the Breast
Delay-Adjusted SEER Incidence & US Mortality
White Females vs Black Females
1975-2006



Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute.

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



[a] Source: SEER 9 areas and SEER 13 areas.
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute.
The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.

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

Figure 4.10

Table 5.1
Cancer of the Cervix Uteri (Invasive)

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
All Ages by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-1981	-4.6*	1981-1996	-1.1*	1996-2006	-3.5*					-3.5*	-3.5*
White	1975-1982	-4.8*	1982-1990	0.4	1990-2006	-2.5*					-2.5*	-2.5*
Black	1975-2006	-3.8*									-3.8*	-3.8*
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-2006	-2.8*									-2.8*	-2.8*
White	1992-2006	-2.3*									-2.3*	-2.3*
Black	1992-1996	-0.4	1996-2006	-5.1*							-5.1*	-5.1*
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-1981	-4.6*	1981-1996	-1.1*	1996-2006	-3.6*					-3.6*	-3.6*
White	1975-1982	-4.8*	1982-1990	0.4	1990-2006	-2.6*					-2.6*	-2.6*
Black	1975-2006	-3.8*									-3.8*	-3.8*
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-2006	-2.9*									-2.9*	-2.9*
White	1992-2006	-2.4*									-2.4*	-2.4*
White NH[ef]	1992-2006	-2.5*									-2.5*	-2.5*
Black	1992-1996	-0.3	1996-2006	-5.2*							-5.2*	-5.2*
Black NH[ef]	1992-1996	0.0	1996-2006	-5.3*							-5.3*	-5.3*
API[e]	1992-2006	-4.8*									-4.8*	-4.8*
AI/AN[eg]	1992-2006	-1.6									-1.6	-1.6
Hispanic[f]	1992-2006	-3.8*									-3.8*	-3.8*
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1982	-4.4*	1982-1996	-1.6*	1996-2003	-3.8*	2003-2006	-0.7			-2.8*	-1.5
White	1975-1983	-4.2*	1983-1996	-1.3*	1996-2004	-3.4*	2004-2006	1.2			-2.4*	-1.1
Black	1975-1981	-4.8*	1981-1992	-2.3*	1992-2006	-4.3*					-4.3*	-4.3*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-1997	-2.4*	1997-2003	-3.9*	2003-2006	-0.7					-2.8*	-1.5*
White	1992-1996	-1.4	1996-2004	-3.4*	2004-2006	1.2					-2.4*	-1.1
White NH[ef]	1992-1997	-1.5*	1997-2004	-3.6*	2004-2006	1.6					-2.5*	-1.0
Black	1992-2006	-4.5*									-4.5*	-4.5*
Black NH[ef]	1992-2006	-4.4*									-4.4*	-4.4*
API[e]	1992-2006	-3.8*									-3.8*	-3.8*
AI/AN[eg]	1992-2006	-3.7*									-3.7*	-3.7*
Hispanic[f]	1992-2006	-2.9*									-2.9*	-2.9*

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

Table 5.2
Cancer of the Cervix Uteri (Invasive)

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Ages <50 by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-1982	-3.9*	1982-1990	0.9	1990-2006	-2.3*					-2.3*	-2.3*
White	1975-1982	-4.0*	1982-1989	2.1	1989-2006	-1.9*					-1.9*	-1.9*
Black	1975-2006	-3.4*									-3.4*	-3.4*
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-2006	-2.4*									-2.4*	-2.4*
White	1992-2006	-2.0*									-2.0*	-2.0*
Black	1992-2006	-4.2*									-4.2*	-4.2*
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-1982	-3.9*	1982-1990	0.9	1990-2006	-2.4*					-2.4*	-2.4*
White	1975-1982	-4.0*	1982-1989	2.2	1989-2006	-2.1*					-2.1*	-2.1*
Black	1975-2006	-3.4*									-3.4*	-3.4*
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-2006	-2.5*									-2.5*	-2.5*
White	1992-2006	-2.2*									-2.2*	-2.2*
White NH[ef]	1992-2006	-2.0*									-2.0*	-2.0*
Black	1992-2006	-4.3*									-4.3*	-4.3*
Black NH[ef]	1992-2006	-4.4*									-4.4*	-4.4*
API[e]	1992-2006	-2.4*									-2.4*	-2.4*
AI/AN[eg]	1992-2006	-0.4									-0.4	-0.4
Hispanic[f]	1992-2006	-3.8*									-3.8*	-3.8*
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1981	-3.9*	1981-1994	-0.6	1994-2006	-2.9*					-2.9*	-2.9*
White	1975-1980	-4.0*	1980-1996	-0.3	1996-2006	-2.8*					-2.8*	-2.8*
Black	1975-2006	-3.3*									-3.3*	-3.3*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-2006	-2.7*									-2.7*	-2.7*
White	1992-2006	-2.3*									-2.3*	-2.3*
White NH[ef]	1992-2006	-2.0*									-2.0*	-2.0*
Black	1992-2006	-4.3*									-4.3*	-4.3*
Black NH[ef]	1992-2006	-4.3*									-4.3*	-4.3*
API[e]	1992-2006	-4.4*									-4.4*	-4.4*
AI/AN[eg]	1992-2006	-2.1									-2.1	-2.1
Hispanic[f]	1992-2006	-3.2*									-3.2*	-3.2*

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

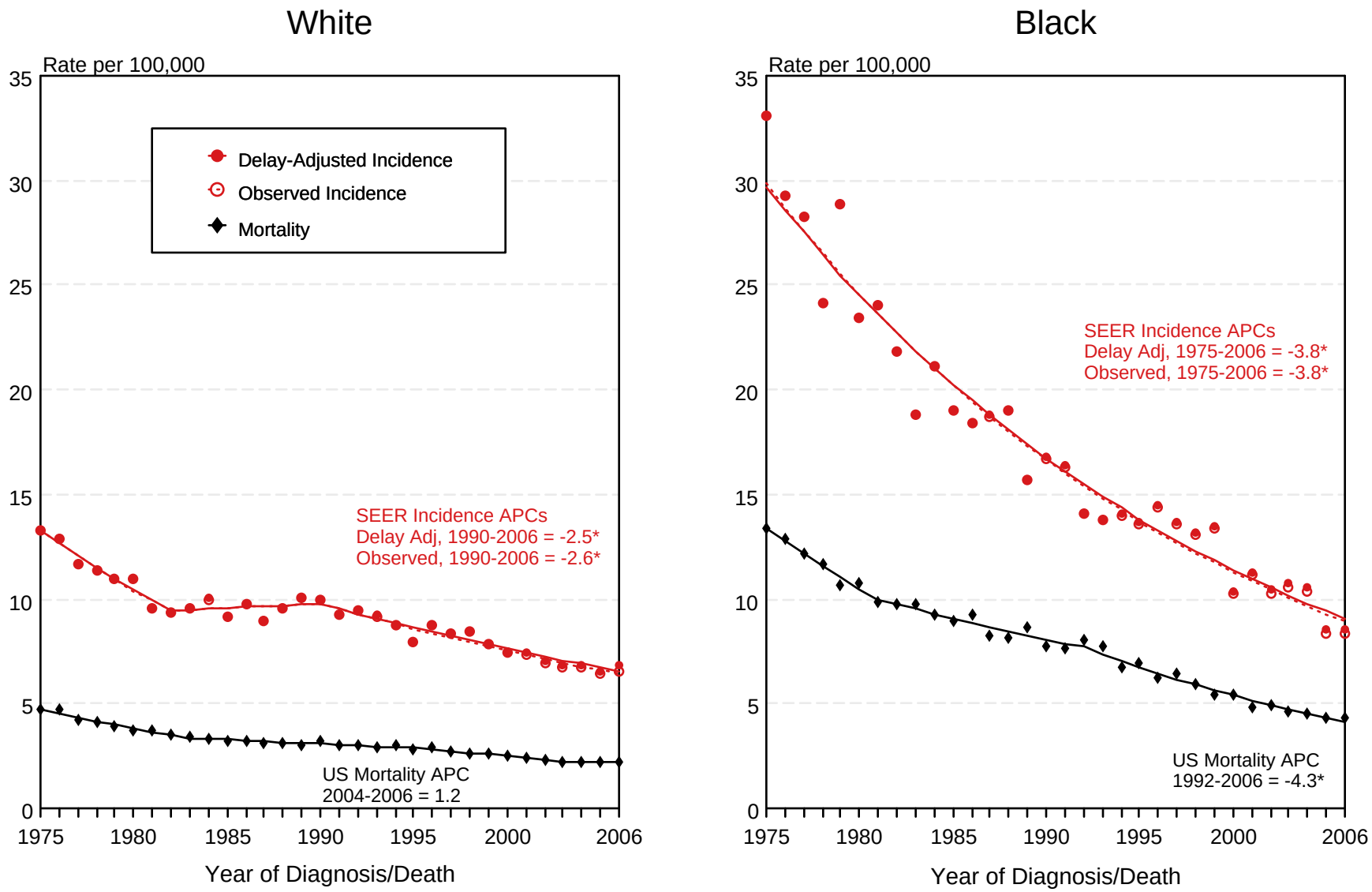
Table 5.3
Cancer of the Cervix Uteri (Invasive)

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Ages 50+ by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-1983	-4.9*	1983-1991	-0.8	1991-2006	-3.4*					-3.4*	-3.4*
White	1975-1985	-4.6*	1985-1991	0.1	1991-2006	-3.3*					-3.3*	-3.3*
Black	1975-2006	-4.0*									-4.0*	-4.0*
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-2006	-3.3*									-3.3*	-3.3*
White	1992-2006	-2.7*									-2.7*	-2.7*
Black	1992-2006	-3.9*									-3.9*	-3.9*
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-1983	-4.9*	1983-1991	-0.8	1991-2006	-3.5*					-3.5*	-3.5*
White	1975-1985	-4.6*	1985-1991	0.1	1991-2006	-3.4*					-3.4*	-3.4*
Black	1975-2006	-4.1*									-4.1*	-4.1*
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-2006	-3.3*									-3.3*	-3.3*
White	1992-2006	-2.8*									-2.8*	-2.8*
White NH[ef]	1992-2006	-3.1*									-3.1*	-3.1*
Black	1992-2006	-4.0*									-4.0*	-4.0*
Black NH[ef]	1992-1995	5.4	1995-2006	-5.4*							-5.4*	-5.4*
API[e]	1992-2006	-6.5*									-6.5*	-6.5*
AI/AN[eg]	1992-2006	-2.9									-2.9	-2.9
Hispanic[f]	1992-2006	-3.7*									-3.7*	-3.7*
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1984	-4.3*	1984-1994	-1.8*	1994-2004	-3.5*	2004-2006	0.1			-2.7*	-1.7
White	1975-1984	-4.6*	1984-1996	-1.8*	1996-2004	-3.5*	2004-2006	1.6			-2.4*	-1.0
Black	1975-1993	-3.0*	1993-2006	-4.3*							-4.3*	-4.3*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-2004	-3.4*	2004-2006	-0.2							-2.7*	-1.8
White	1992-2006	-2.8*									-2.8*	-2.8*
White NH[ef]	1992-2006	-3.0*									-3.0*	-3.0*
Black	1992-2006	-4.6*									-4.6*	-4.6*
Black NH[ef]	1992-2006	-4.5*									-4.5*	-4.5*
API[e]	1992-2006	-3.7*									-3.7*	-3.7*
AI/AN[eg]	1992-2006	-4.9*									-4.9*	-4.9*
Hispanic[f]	1992-2006	-2.7*									-2.7*	-2.7*

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

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

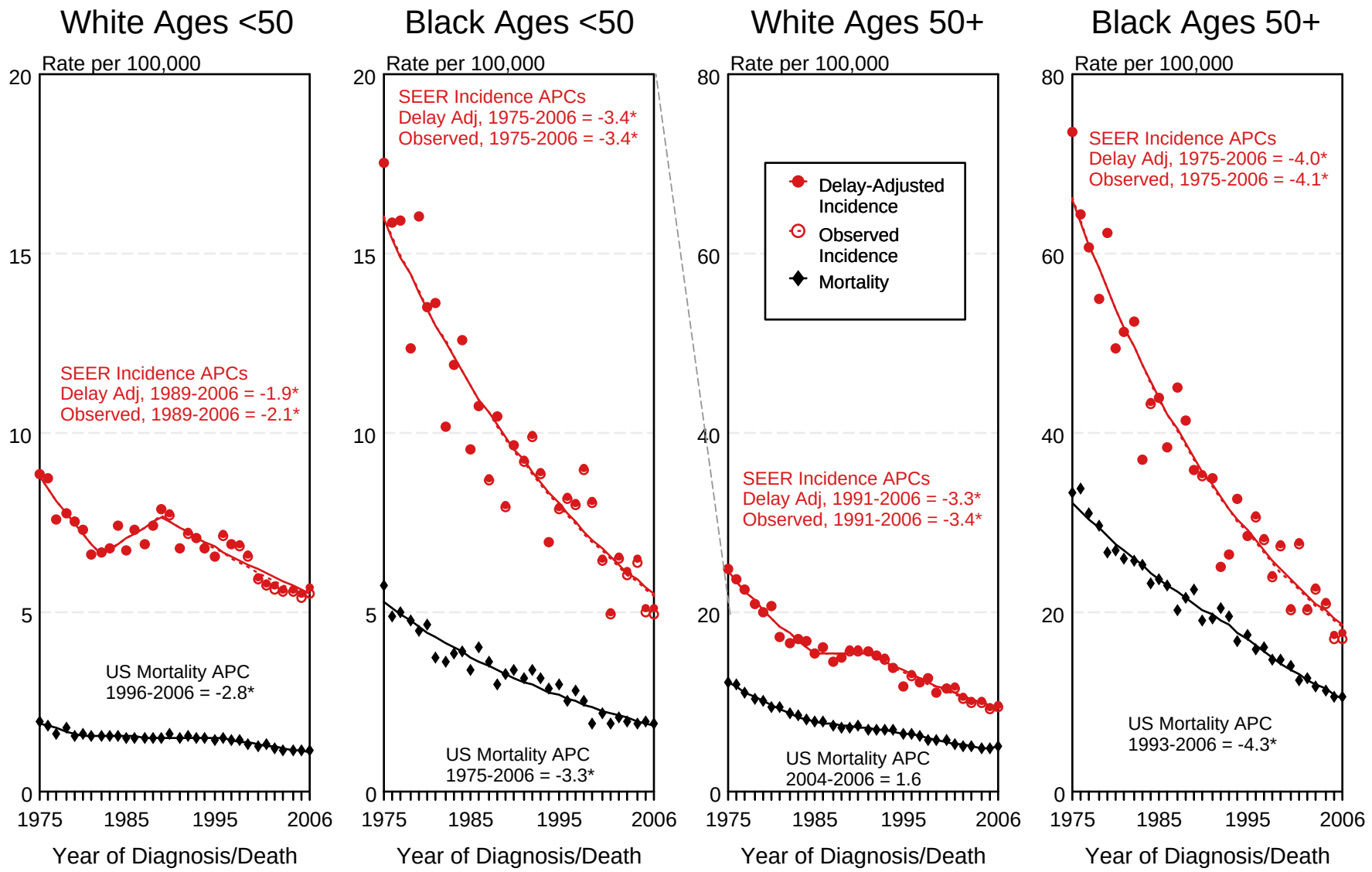


[a] Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer 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 5.1

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

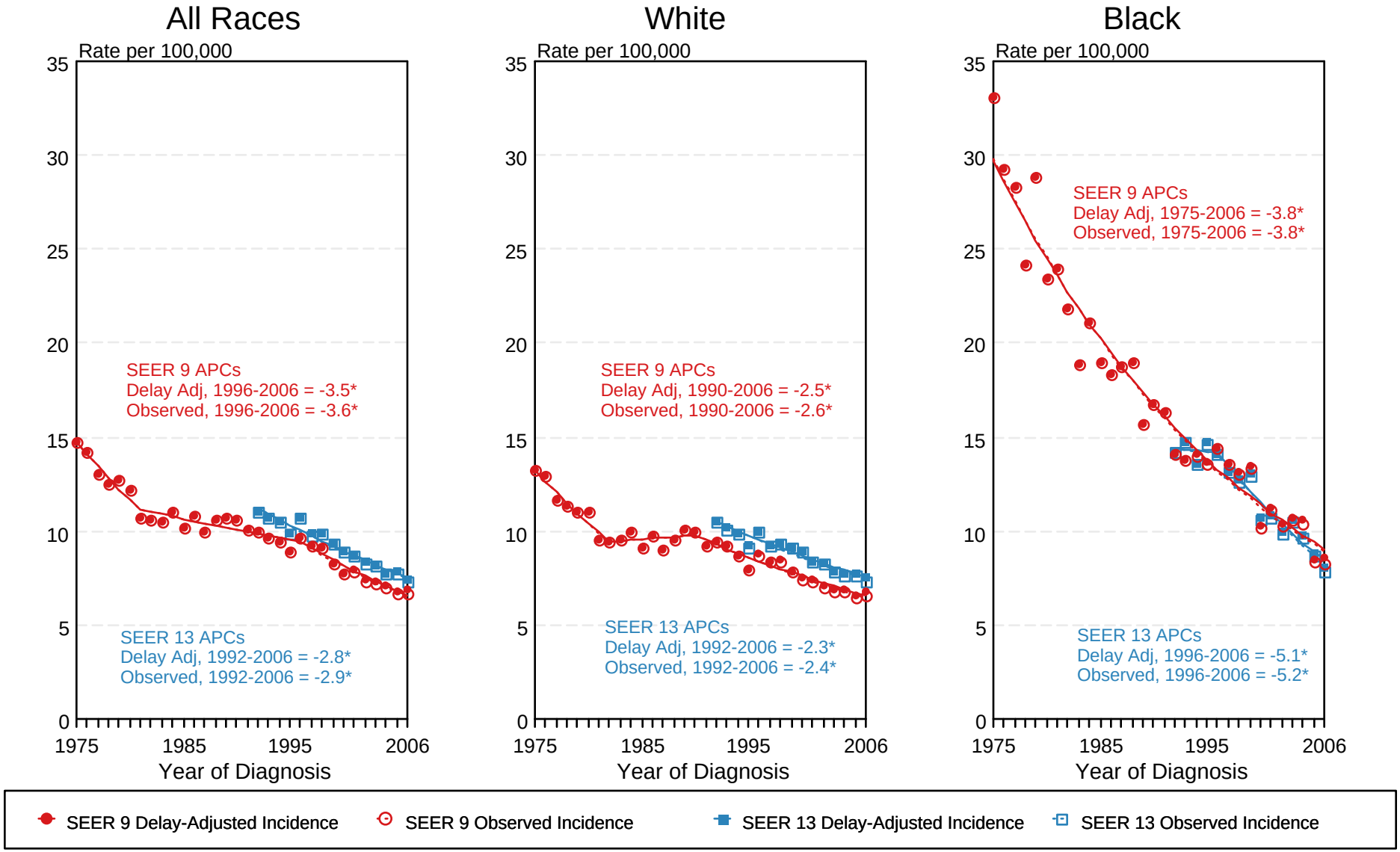


[a] Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer 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 5.2

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



[a] Source: SEER 9 areas and SEER 13 areas.
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, 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 5.4

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,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Both Sexes by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-1985	0.8*	1985-1995	-1.8*	1995-1998	1.6	1998-2006	-2.5*			-2.1*	-2.5*
White	1975-1985	0.8*	1985-1995	-2.0*	1995-1998	1.8	1998-2006	-2.7*			-2.2*	-2.7*
Black	1975-1980	3.2*	1980-2002	-0.1	2002-2006	-2.7*					-1.3*	-2.7*
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-1995	-2.1*	1995-1998	1.8	1998-2006	-2.5*					-2.0*	-2.5*
White	1992-1995	-2.2*	1995-1998	1.9	1998-2006	-2.7*					-2.2*	-2.7*
Black	1992-2003	-0.1	2003-2006	-3.3							-1.2*	-2.5*
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-1985	0.8*	1985-1995	-1.8*	1995-1998	1.1	1998-2002	-1.9*	2002-2006	-3.5*	-2.3*	-3.5*
White	1975-1985	0.8*	1985-1995	-2.0*	1995-1998	1.8	1998-2006	-2.9*			-2.4*	-2.9*
Black	1975-1980	3.2*	1980-2002	-0.2	2002-2006	-3.2*					-1.5*	-3.2*
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-1995	-2.2*	1995-1998	1.9	1998-2006	-2.7*					-2.2*	-2.7*
White	1992-1995	-2.2*	1995-1998	2.0	1998-2006	-2.9*					-2.3*	-2.9*
White NH[ef]	1992-1995	-2.2*	1995-1998	2.0	1998-2006	-2.9*					-2.3*	-2.9*
Black	1992-2003	-0.2	2003-2006	-3.9*							-1.4*	-3.0*
Black NH[ef]	1992-2003	-0.2	2003-2006	-3.7*							-1.4*	-2.8*
API[e]	1992-2002	-0.3	2002-2006	-3.9*							-1.9*	-3.9*
AI/AN[eg]	1992-2006	-0.1									-0.1	-0.1
Hispanic[f]	1992-1995	-1.5	1995-1998	3.1	1998-2006	-1.7*					-1.1*	-1.7*
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1984	-0.5*	1984-2001	-1.7*	2001-2006	-3.4*					-2.7*	-3.4*
White	1975-1984	-0.6*	1984-2002	-1.9*	2002-2006	-3.9*					-2.8*	-3.9*
Black	1975-1990	0.7*	1990-2001	-0.8*	2001-2006	-2.8*					-1.9*	-2.8*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-2001	-1.8*	2001-2006	-3.4*							-2.7*	-3.4*
White	1992-2002	-1.9*	2002-2006	-3.9*							-2.8*	-3.9*
White NH[ef]	1992-2002	-1.8*	2002-2006	-3.6*							-2.6*	-3.6*
Black	1992-2000	-0.6*	2000-2006	-2.6*							-1.9*	-2.6*
Black NH[ef]	1992-2001	-0.6*	2001-2006	-2.6*							-1.7*	-2.6*
API[e]	1992-2006	-2.2*									-2.2*	-2.2*
AI/AN[eg]	1992-1996	10.3*	1996-2006	-2.1*							-2.1*	-2.1*
Hispanic[f]	1992-2001	0.1	2001-2004	-4.0	2004-2006	0.3					-1.3	-1.9

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

Table 6.2
Cancer of the Colon and Rectum (Invasive)

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Males by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-1985	1.1*	1985-1991	-1.2*	1991-1995	-3.2*	1995-1998	2.1	1998-2006	-3.0*	-2.5*	-3.0*
White	1975-1985	1.1*	1985-1991	-1.4*	1991-1995	-3.3*	1995-1998	2.1	1998-2006	-3.2*	-2.6*	-3.2*
Black	1975-1989	1.4*	1989-2006	-0.8*							-0.8*	-0.8*
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-1995	-2.6*	1995-1998	1.7	1998-2006	-2.9*					-2.4*	-2.9*
White	1992-1995	-2.8*	1995-1998	1.8	1998-2006	-3.2*					-2.6*	-3.2*
Black	1992-2004	-0.3	2004-2006	-7.5							-1.9	-3.9
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-1986	1.1*	1986-1995	-2.1*	1995-1998	1.1	1998-2004	-2.6*	2004-2006	-5.7*	-2.9*	-4.2*
White	1975-1985	1.1*	1985-1991	-1.4*	1991-1995	-3.3*	1995-1998	2.2	1998-2006	-3.3*	-2.7*	-3.3*
Black	1975-1980	4.6	1980-2003	0.0	2003-2006	-6.5*					-2.2*	-4.9*
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-1995	-2.7*	1995-1998	1.8	1998-2006	-3.1*					-2.6*	-3.1*
White	1992-1995	-2.9*	1995-1998	1.8	1998-2006	-3.3*					-2.8*	-3.3*
White NH[ef]	1992-1995	-3.0*	1995-1998	1.8	1998-2006	-3.3*					-2.8*	-3.3*
Black	1992-2004	-0.3	2004-2006	-8.3							-2.2*	-4.4
Black NH[ef]	1992-2004	-0.3	2004-2006	-8.0							-2.1	-4.2
API[e]	1992-2002	-0.5	2002-2006	-4.5*							-2.3*	-4.5*
AI/AN[eg]	1992-2006	-0.9									-0.9	-0.9
Hispanic[f]	1992-1998	1.7	1998-2006	-2.1*							-1.7*	-2.1*
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1984	-0.1	1984-1990	-1.4*	1990-2002	-2.0*	2002-2006	-3.9*			-2.9*	-3.9*
White	1975-1979	0.5	1979-1987	-0.8*	1987-2002	-2.1*	2002-2006	-4.1*			-3.0*	-4.1*
Black	1975-1990	1.2*	1990-2000	-0.7*	2000-2006	-2.1*					-1.6*	-2.1*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-2002	-2.1*	2002-2006	-3.9*							-2.9*	-3.9*
White	1992-2002	-2.2*	2002-2006	-4.0*							-3.0*	-4.0*
White NH[ef]	1992-2002	-2.1*	2002-2006	-3.7*							-2.8*	-3.7*
Black	1992-2006	-1.3*									-1.3*	-1.3*
Black NH[ef]	1992-2006	-1.1*									-1.1*	-1.1*
API[e]	1992-2006	-2.4*									-2.4*	-2.4*
AI/AN[eg]	1992-1996	15.3	1996-2006	-1.4							-1.4	-1.4
Hispanic[f]	1992-1998	1.0*	1998-2006	-2.5*							-2.2*	-2.5*

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

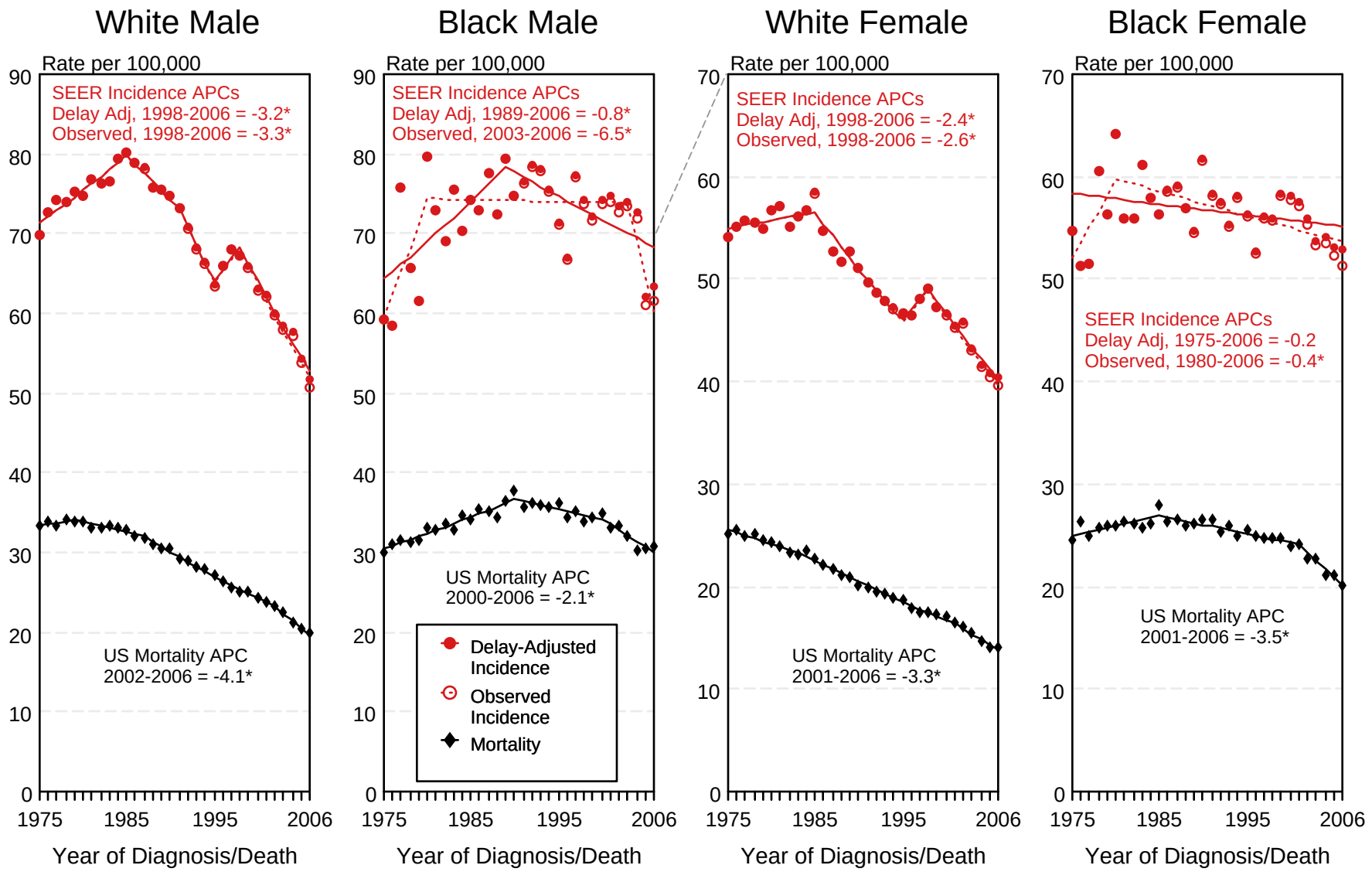
Table 6.3
Cancer of the Colon and Rectum (Invasive)

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Females by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-1985	0.3	1985-1995	-1.8*	1995-1998	1.9	1998-2006	-2.2*			-1.7*	-2.2*
White	1975-1985	0.3	1985-1995	-2.0*	1995-1998	2.2	1998-2006	-2.4*			-1.9*	-2.4*
Black	1975-2006	-0.2									-0.2*	-0.2*
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-1995	-1.8	1995-1998	2.0	1998-2006	-2.2*					-1.7*	-2.2*
White	1992-1995	-1.7	1995-1998	2.0	1998-2006	-2.4*					-1.9*	-2.4*
Black	1992-2000	0.4	2000-2006	-1.5*							-0.9*	-1.5*
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-1985	0.3	1985-1995	-1.9*	1995-1998	2.0	1998-2006	-2.4*			-1.9*	-2.4*
White	1975-1985	0.3	1985-1995	-2.1*	1995-1998	2.2	1998-2006	-2.6*			-2.1*	-2.6*
Black	1975-1980	2.8	1980-2006	-0.4*							-0.4*	-0.4*
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-1995	-1.9*	1995-1998	2.0	1998-2006	-2.3*					-1.9*	-2.3*
White	1992-1995	-1.8	1995-1998	2.0	1998-2006	-2.6*					-2.1*	-2.6*
White NH[ef]	1992-1995	-1.7	1995-1998	2.2	1998-2006	-2.6*					-2.1*	-2.6*
Black	1992-2000	0.4	2000-2006	-1.8*							-1.1*	-1.8*
Black NH[ef]	1992-2000	0.3	2000-2006	-1.7*							-1.0*	-1.7*
API[e]	1992-2006	-0.8*									-0.8*	-0.8*
AI/AN[eg]	1992-2006	0.8									0.8	0.8
Hispanic[f]	1992-2006	-0.4*									-0.4*	-0.4*
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1984	-1.0*	1984-2001	-1.8*	2001-2006	-3.4*					-2.7*	-3.4*
White	1975-1984	-1.2*	1984-2001	-2.0*	2001-2006	-3.3*					-2.7*	-3.3*
Black	1975-1985	0.7*	1985-2001	-0.7*	2001-2006	-3.5*					-2.3*	-3.5*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-2001	-1.7*	2001-2006	-3.5*							-2.7*	-3.5*
White	1992-2001	-1.8*	2001-2006	-3.5*							-2.8*	-3.5*
White NH[ef]	1992-2001	-1.7*	2001-2006	-3.3*							-2.6*	-3.3*
Black	1992-2001	-0.8*	2001-2006	-3.4*							-2.3*	-3.4*
Black NH[ef]	1992-2001	-0.7*	2001-2006	-3.3*							-2.1*	-3.3*
API[e]	1992-2006	-1.9*									-1.9*	-1.9*
AI/AN[eg]	1992-2006	-1.1									-1.1	-1.1
Hispanic[f]	1992-2001	0.3	2001-2004	-4.5	2004-2006	2.6					-0.8	-1.0

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

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

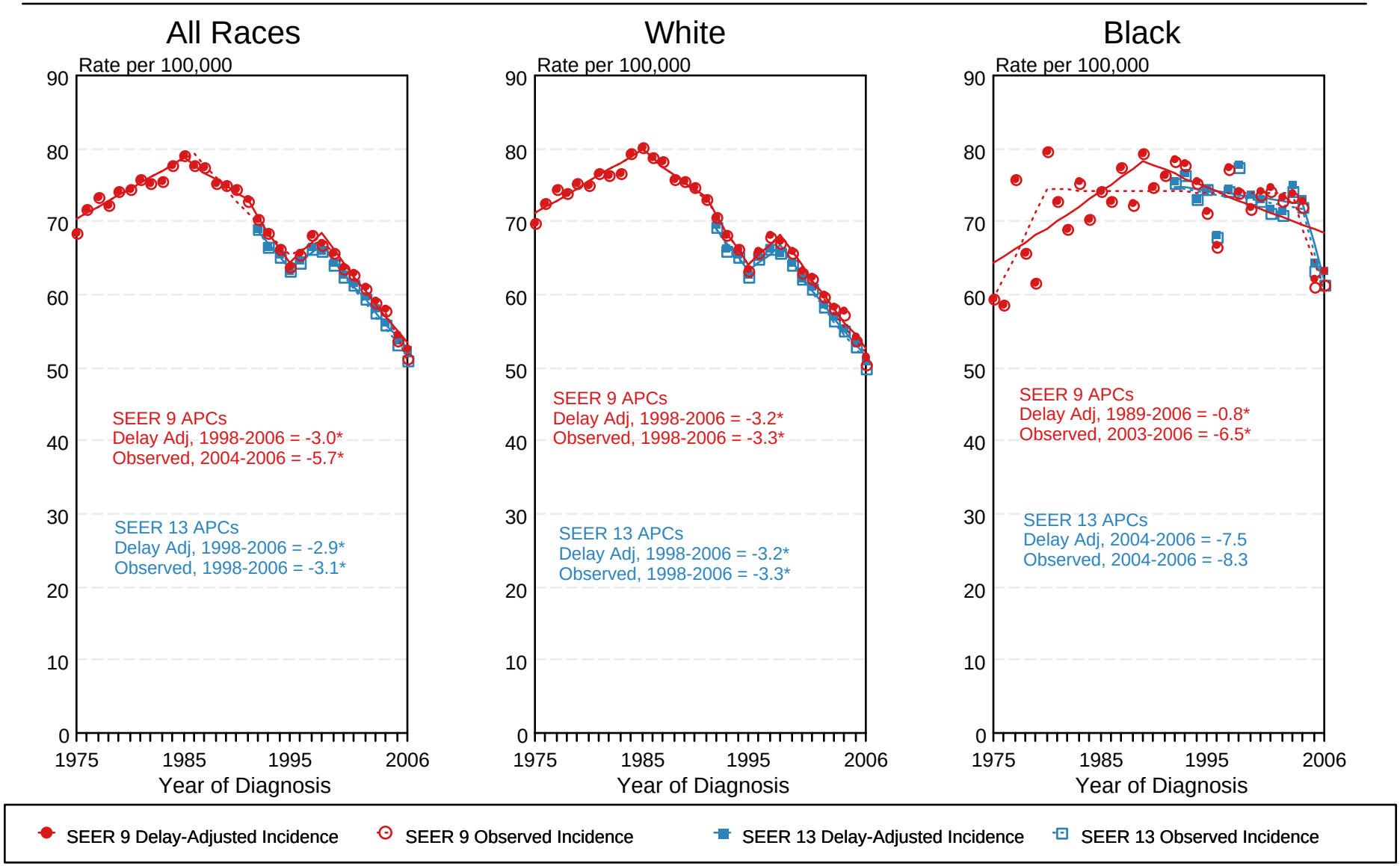


[a] Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer 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 6.1

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

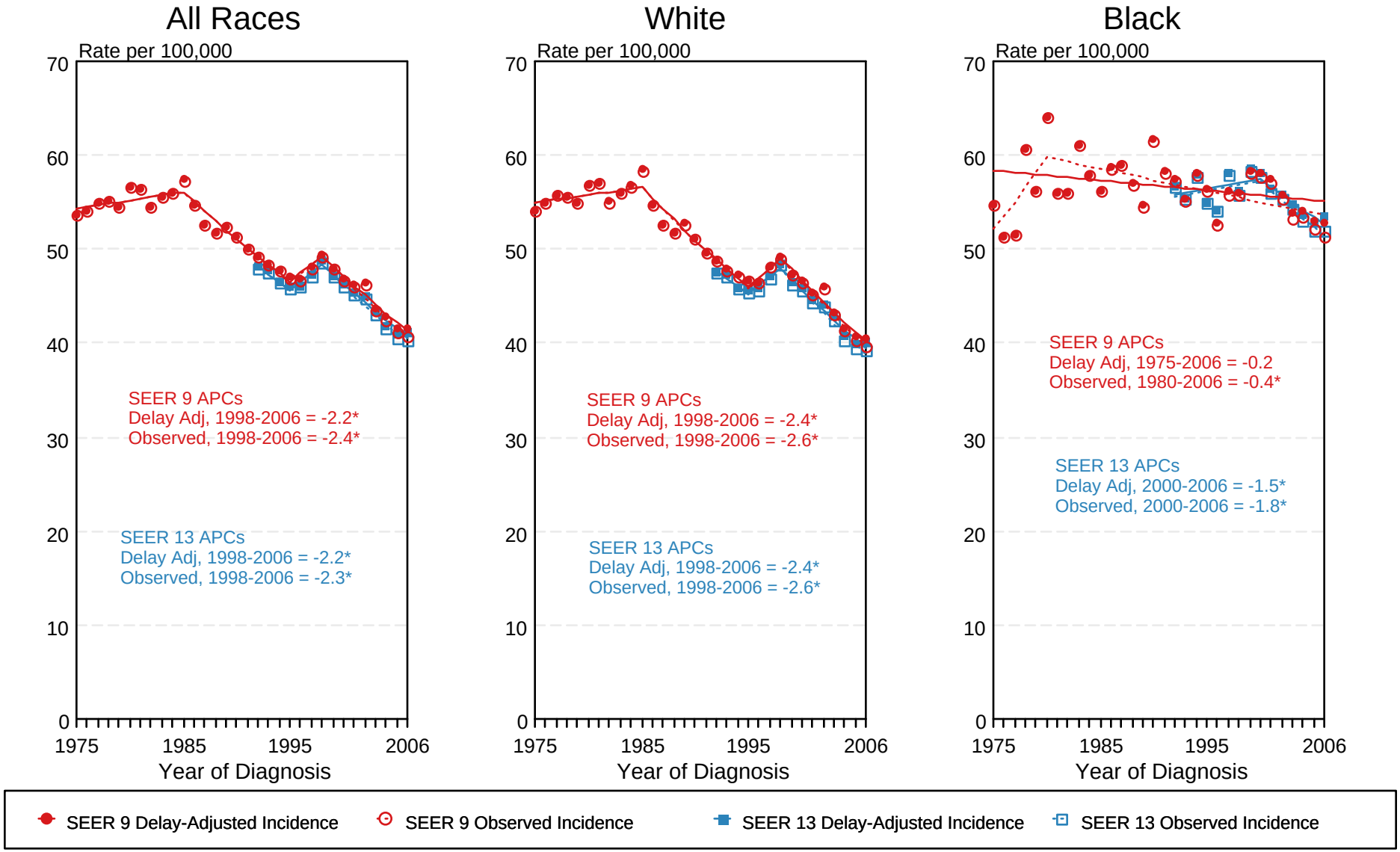


[a] Source: SEER 9 areas and SEER 13 areas.
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute.
The APC is the Annual Percent Change 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 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, Female, by Race



[a] Source: SEER 9 areas and SEER 13 areas.
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, 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 6.4

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,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
All Ages by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-1979	-6.0*	1979-1988	-1.7*	1988-1997	0.7*	1997-2006	-0.5*			-0.5*	-0.5*
White	1975-1979	-6.1*	1979-1988	-1.6*	1988-1997	0.7*	1997-2006	-0.7*			-0.7*	-0.7*
Black	1975-1987	-1.1	1987-2006	1.3*							1.3*	1.3*
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-2006	-0.3*									-0.3*	-0.3*
White	1992-2006	-0.4*									-0.4*	-0.4*
Black	1992-2006	1.4*									1.4*	1.4*
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-1979	-6.0*	1979-1988	-1.7*	1988-1997	0.7*	1997-2006	-0.6*			-0.6*	-0.6*
White	1975-1979	-6.1*	1979-1988	-1.6*	1988-1998	0.6*	1998-2006	-0.9*			-0.8*	-0.9*
Black	1975-1987	-1.1	1987-2006	1.2*							1.2*	1.2*
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-1997	0.7	1997-2006	-0.7*							-0.7*	-0.7*
White	1992-1997	0.6	1997-2006	-0.9*							-0.9*	-0.9*
White NH[ef]	1992-1997	0.8	1997-2006	-1.0*							-1.0*	-1.0*
Black	1992-2006	1.3*									1.3*	1.3*
Black NH[ef]	1992-2006	1.3*									1.3*	1.3*
API[e]	1992-2006	1.1*									1.1*	1.1*
AI/AN[eg]	1992-2006	2.1									2.1	2.1
Hispanic[f]	1992-2006	0.9*									0.9*	0.9*
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1992	-1.5*	1992-2006	0.0							0.0	0.0
White	1975-1991	-1.7*	1991-2006	-0.1							-0.1	-0.1
Black	1975-1997	-0.8*	1997-2006	0.7							0.7	0.7
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-1997	-0.7*	1997-2006	0.3*							0.3*	0.3*
White	1992-2006	-0.1									-0.1	-0.1
White NH[ef]	1992-2006	-0.1									-0.1	-0.1
Black	1992-2006	0.3									0.3	0.3
Black NH[ef]	1992-2006	0.1									0.1	0.1
API[e]	1992-2006	1.3									1.3*	1.3*
AI/AN[eg]	1992-2006	-0.8									-0.8	-0.8
Hispanic[f]	1992-2006	-0.2									-0.2	-0.2

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

Table 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,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Ages <50 by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-1985	-3.3*	1985-2006	0.7*							0.7*	0.7*
White	1975-1984	-3.6*	1984-2006	0.3							0.3	0.3
Black	1975-1985	-5.5*	1985-2006	2.8*							2.8*	2.8*
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-2006	1.1*									1.1*	1.1*
White	1992-2006	0.9*									0.9*	0.9*
Black	1992-1999	-1.4	1999-2002	17.4	2002-2006	-7.4					1.6	-7.4*
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-1985	-3.3*	1985-2006	0.7*							0.7*	0.7*
White	1975-1983	-4.0*	1983-2006	0.2							0.2	0.2
Black	1975-1985	-5.4*	1985-2006	2.7*							2.7*	2.7*
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-2006	1.0*									1.0*	1.0*
White	1992-2006	0.8*									0.8*	0.8*
White NH[ef]	1992-2006	0.4									0.4	0.4
Black	1992-1999	-1.5	1999-2002	17.3	2002-2006	-7.9					1.4	-7.9*
Black NH[ef]	1992-1999	-1.9	1999-2002	18.3	2002-2006	-7.7					1.6	-7.7*
API[e]	1992-2006	1.3*									1.3*	1.3*
AI/AN[eg]	1992-2006	0.5									0.5	0.5
Hispanic[f]	1992-2006	2.3*									2.3*	2.3*
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1988	-4.1*	1988-2006	0.8*							0.8*	0.8*
White	1975-1988	-3.8*	1988-2006	0.8*							0.8*	0.8*
Black	1975-1995	-4.5*	1995-2006	2.9*							2.9*	2.9*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-2006	1.4*									1.4*	1.4*
White	1992-2006	1.3*									1.3*	1.3*
White NH[ef]	1992-2006	1.4*									1.4*	1.4*
Black	1992-2006	1.7*									1.7*	1.7*
Black NH[ef]	1992-1996	-6.7	1996-2006	4.4*							4.4*	4.4*
API[e]	1992-2006	1.7									1.7	1.7
AI/AN[eg]	-	-									-	-
Hispanic[f]	1992-1998	-7.3*	1998-2006	4.6*							3.2*	4.6*

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

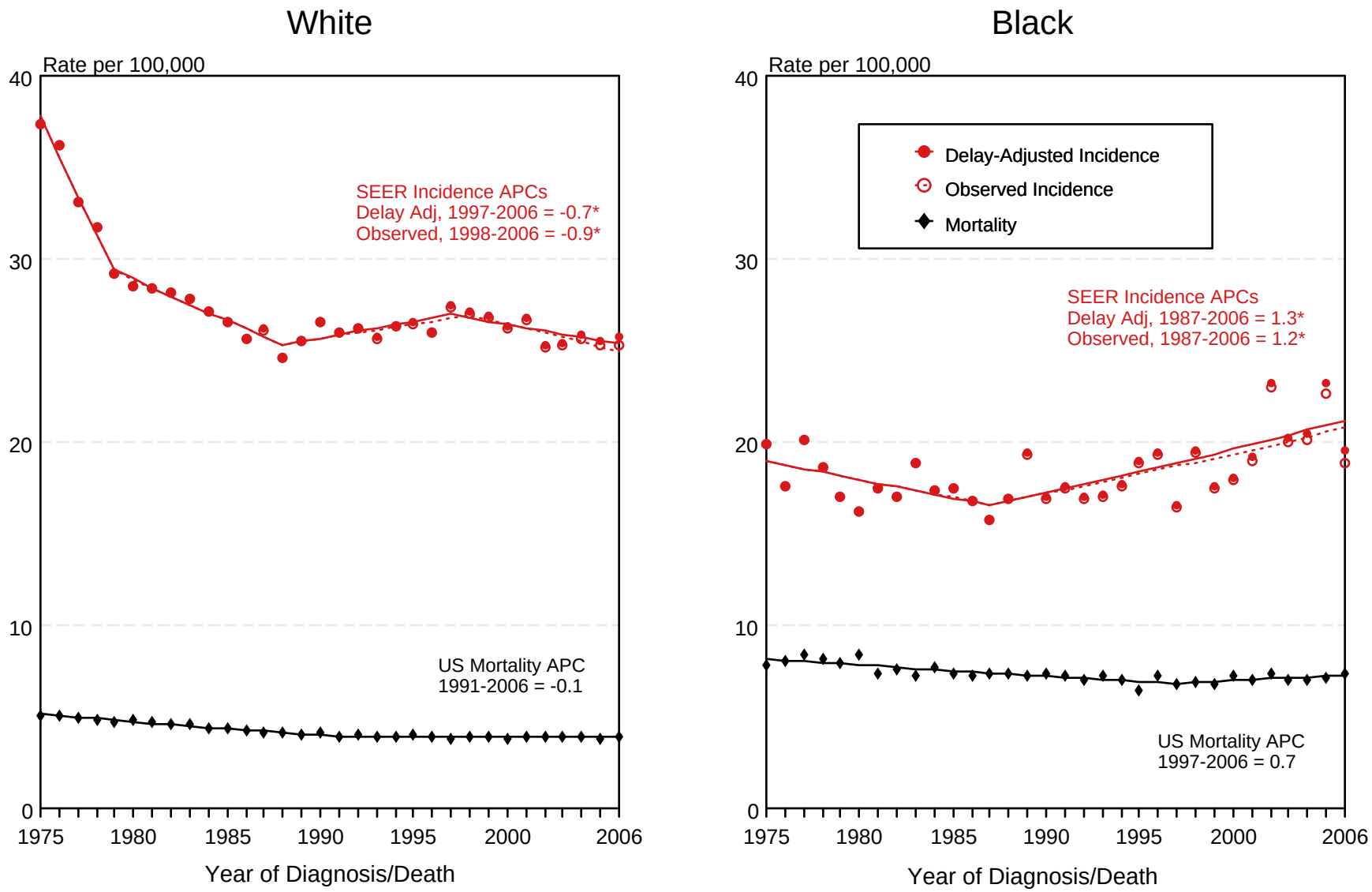
Table 7.3
Cancer of the Corpus and Uterus, NOS (Invasive)

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Ages 50+ by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-1979	-6.2*	1979-1988	-1.7*	1988-1997	0.7*	1997-2006	-0.8*			-0.8*	-0.8*
White	1975-1979	-6.2*	1979-1988	-1.7*	1988-1997	0.8*	1997-2006	-0.9*			-0.9*	-0.9*
Black	1975-2006	0.5*									0.5*	0.5*
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-1997	0.7	1997-2006	-1.0*							-1.0*	-1.0*
White	1992-1997	0.7	1997-2006	-1.1*							-1.1*	-1.1*
Black	1992-2006	1.3*									1.3*	1.3*
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-1979	-6.2*	1979-1988	-1.7*	1988-1997	0.7*	1997-2006	-0.9*			-0.9*	-0.9*
White	1975-1979	-6.2*	1979-1988	-1.7*	1988-1997	0.8*	1997-2006	-1.0*			-1.0*	-1.0*
Black	1975-2006	0.5*									0.5*	0.5*
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-1997	0.7	1997-2006	-1.1*							-1.1*	-1.1*
White	1992-1997	0.7	1997-2006	-1.2*							-1.2*	-1.2*
White NH[ef]	1992-1997	0.9	1997-2006	-1.2*							-1.2*	-1.2*
Black	1992-2006	1.1*									1.1*	1.1*
Black NH[ef]	1992-2006	1.1*									1.1*	1.1*
API[e]	1992-2006	1.0*									1.0*	1.0*
AI/AN[eg]	1992-2006	2.8									2.8*	2.8*
Hispanic[f]	1992-2006	0.6									0.6	0.6
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1992	-1.4*	1992-2006	-0.1							-0.1	-0.1
White	1975-1991	-1.6*	1991-2006	-0.2*							-0.2*	-0.2*
Black	1975-1997	-0.6*	1997-2006	0.5							0.5	0.5
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-1997	-0.8*	1997-2006	0.2							0.2	0.2
White	1992-2006	-0.2*									-0.2*	-0.2*
White NH[ef]	1992-2006	-0.2*									-0.2*	-0.2*
Black	1992-2006	0.2									0.2	0.2
Black NH[ef]	1992-2006	0.0									0.0	0.0
API[e]	1992-2006	1.3									1.3	1.3
AI/AN[eg]	1992-2006	-0.6									-0.6	-0.6
Hispanic[f]	1992-2006	-0.2									-0.2	-0.2

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

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

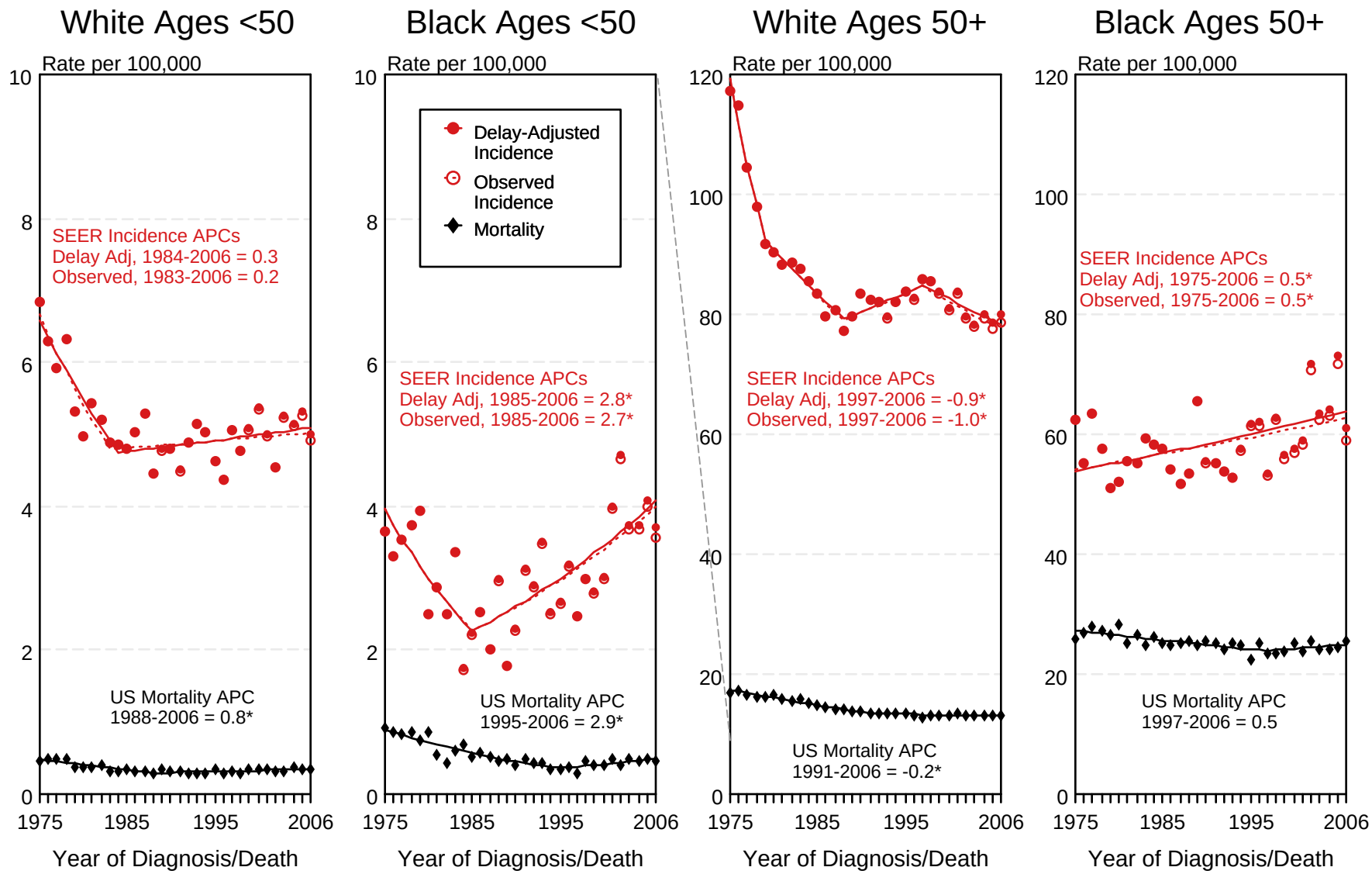


[a] Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer 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 7.1

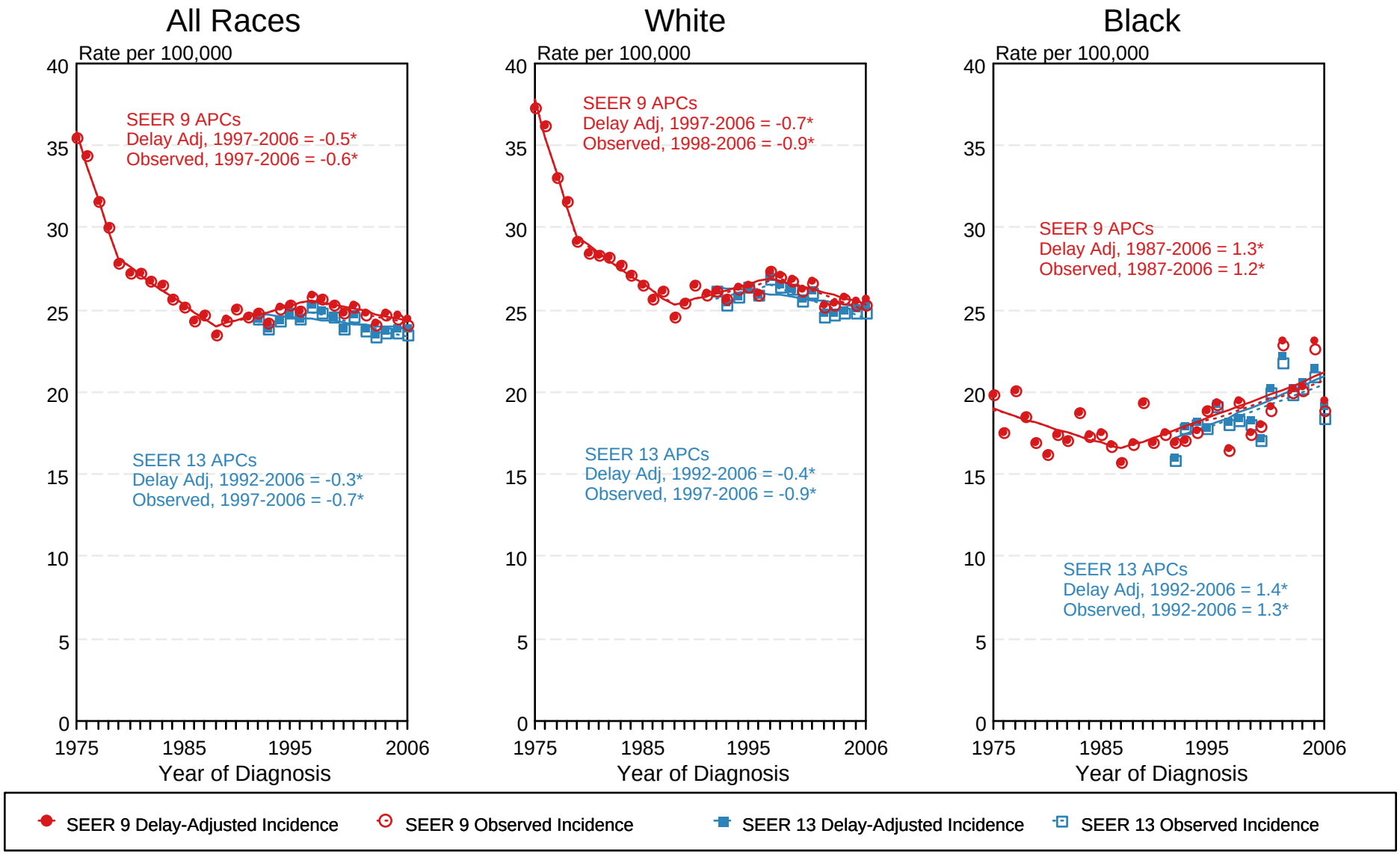
SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates[a]
Cancer of the Corpus and Uterus, NOS, by Age and Race



[a] Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, 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

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



[a] Source: SEER 9 areas and SEER 13 areas.
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, 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 7.4

Table 8.1
Cancer of the Esophagus (Invasive)

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Both Sexes by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-2006	0.5*									0.5*	0.5*
White	1975-2006	1.3*									1.3*	1.3*
Black	1975-1986	1.1	1986-2006	-4.5*							-4.5*	-4.5*
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-2006	-0.1									-0.1	-0.1
White	1992-2006	0.9*									0.9*	0.9*
Black	1992-2006	-4.8*									-4.8*	-4.8*
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-2006	0.5*									0.5*	0.5*
White	1975-2004	1.4*	2004-2006	-3.2							0.4	-0.9
Black	1975-1986	1.1	1986-2006	-4.5*							-4.5*	-4.5*
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-2006	-0.1									-0.1	-0.1
White	1992-2006	0.9*									0.9*	0.9*
White NH[ef]	1992-2004	1.7*	2004-2006	-5.1							0.2	-1.7
Black	1992-2006	-4.9*									-4.9*	-4.9*
Black NH[ef]	1992-2006	-4.9*									-4.9*	-4.9*
API[e]	1992-2006	-1.1									-1.1	-1.1
AI/AN[eg]	1992-2006	3.7									3.7	3.7
Hispanic[f]	1992-2006	-1.8*									-1.8*	-1.8*
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-2000	0.7*	2000-2006	0.0							0.2	0.0
White	1975-1983	0.4*	1983-2000	1.7*	2000-2006	0.8*					1.1*	0.8*
Black	1975-1982	1.1*	1982-1993	-1.6*	1993-2006	-4.5*					-4.5*	-4.5*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-2001	0.6*	2001-2006	0.0							0.2	0.0
White	1992-2000	1.7*	2000-2006	0.8*							1.1*	0.8*
White NH[ef]	1992-2000	2.0*	2000-2006	1.0*							1.3*	1.0*
Black	1992-2006	-4.3*									-4.3*	-4.3*
Black NH[ef]	1992-2006	-4.1*									-4.1*	-4.1*
API[e]	1992-2006	-2.2*									-2.2*	-2.2*
AI/AN[eg]	1992-2006	3.4*									3.4*	3.4*
Hispanic[f]	1992-1997	1.8	1997-2003	-2.8*	2003-2006	1.3					-1.5	0.2

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

Table 8.2
Cancer of the Esophagus (Invasive)

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Males by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-2006	0.7*									0.7*	0.7*
White	1975-2006	1.6*									1.6*	1.6*
Black	1975-1986	1.2	1986-2006	-4.9*							-4.9*	-4.9*
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-2006	0.0									0.0	0.0
White	1992-2004	1.7*	2004-2006	-6.3							-0.2	-2.4
Black	1992-2006	-5.3*									-5.3*	-5.3*
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-2006	0.7*									0.7*	0.7*
White	1975-2006	1.6*									1.6*	1.6*
Black	1975-1986	1.2	1986-2006	-4.9*							-4.9*	-4.9*
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-2006	0.0									0.0	0.0
White	1992-2004	1.6*	2004-2006	-6.9							-0.3	-2.7
White NH[ef]	1992-2004	2.0*	2004-2006	-6.0							0.2	-2.1
Black	1992-2006	-5.3*									-5.3*	-5.3*
Black NH[ef]	1992-2006	-5.4*									-5.4*	-5.4*
API[e]	1992-2006	-1.6*									-1.6*	-1.6*
AI/AN[eg]	1992-2006	0.1									0.1	0.1
Hispanic[f]	1992-2006	-1.8*									-1.8*	-1.8*
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1985	0.7*	1985-1994	1.2*	1994-2006	0.4*					0.4*	0.4*
White	1975-1982	0.3	1982-1999	1.9*	1999-2006	1.0*					1.2*	1.0*
Black	1975-1984	0.8*	1984-1993	-1.9*	1993-2006	-4.7*					-4.7*	-4.7*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-2006	0.5*									0.5*	0.5*
White	1992-2006	1.4*									1.4*	1.4*
White NH[ef]	1992-2006	1.6*									1.6*	1.6*
Black	1992-2006	-4.5*									-4.5*	-4.5*
Black NH[ef]	1992-2006	-4.3*									-4.3*	-4.3*
API[e]	1992-2006	-2.4*									-2.4*	-2.4*
AI/AN[eg]	1992-2006	2.3*									2.3*	2.3*
Hispanic[f]	1992-2006	-1.4*									-1.4*	-1.4*

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

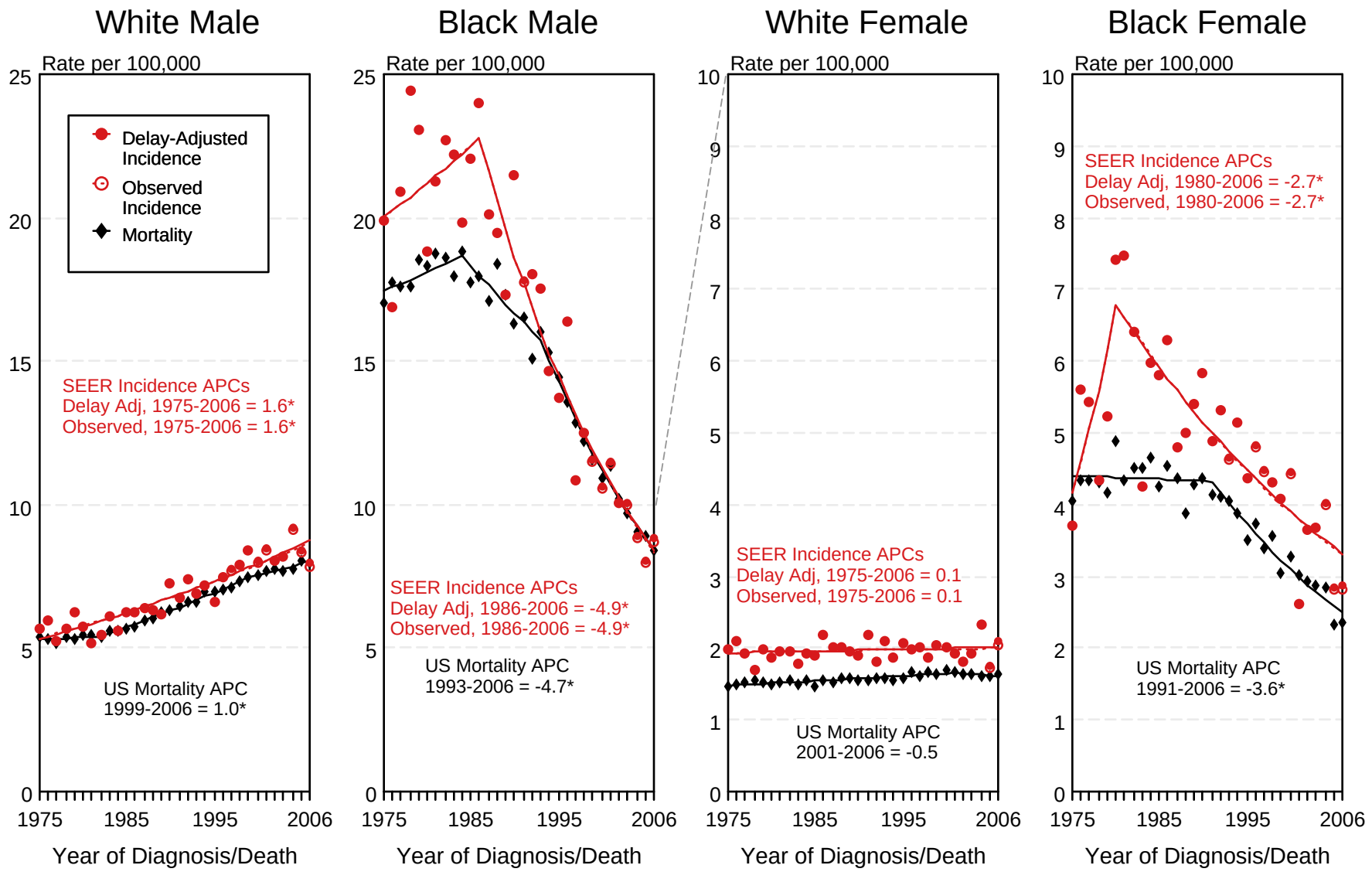
Table 8.3
Cancer of the Esophagus (Invasive)

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Females by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-2006	-0.3*									-0.3*	-0.3*
White	1975-2006	0.1									0.1	0.1
Black	1975-1980	10.3	1980-2006	-2.7*							-2.7*	-2.7*
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-2006	-0.7									-0.7	-0.7
White	1992-2006	0.0									0.0	0.0
Black	1992-2006	-3.8*									-3.8*	-3.8*
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-2006	-0.3*									-0.3*	-0.3*
White	1975-2006	0.1									0.1	0.1
Black	1975-1980	10.3	1980-2006	-2.7*							-2.7*	-2.7*
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-2006	-0.8									-0.8*	-0.8*
White	1992-2006	-0.1									-0.1	-0.1
White NH[ef]	1992-2006	0.1									0.1	0.1
Black	1992-2006	-3.9*									-3.9*	-3.9*
Black NH[ef]	1992-2006	-3.9*									-3.9*	-3.9*
API[e]	1992-2006	1.7									1.7	1.7
AI/AN[eg]	-	-									-	-
Hispanic[f]	1992-2006	-2.4									-2.4	-2.4
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-2000	0.1	2000-2006	-1.4*							-0.9*	-1.4*
White	1975-2001	0.4*	2001-2006	-0.5							-0.1	-0.5
Black	1975-1991	-0.1	1991-2006	-3.6*							-3.6*	-3.6*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-2006	-0.5*									-0.5*	-0.5*
White	1992-2000	0.9*	2000-2006	-0.7							-0.2	-0.7
White NH[ef]	1992-2000	1.2*	2000-2006	-0.6							0.0	-0.6
Black	1992-2006	-3.7*									-3.7*	-3.7*
Black NH[ef]	1992-2006	-3.4*									-3.4*	-3.4*
API[e]	1992-2006	-1.0									-1.0	-1.0
AI/AN[eg]	1992-2006	5.6*									5.6*	5.6*
Hispanic[f]	1992-1996	9.4*	1996-2006	-2.0*							-2.0*	-2.0*

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

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

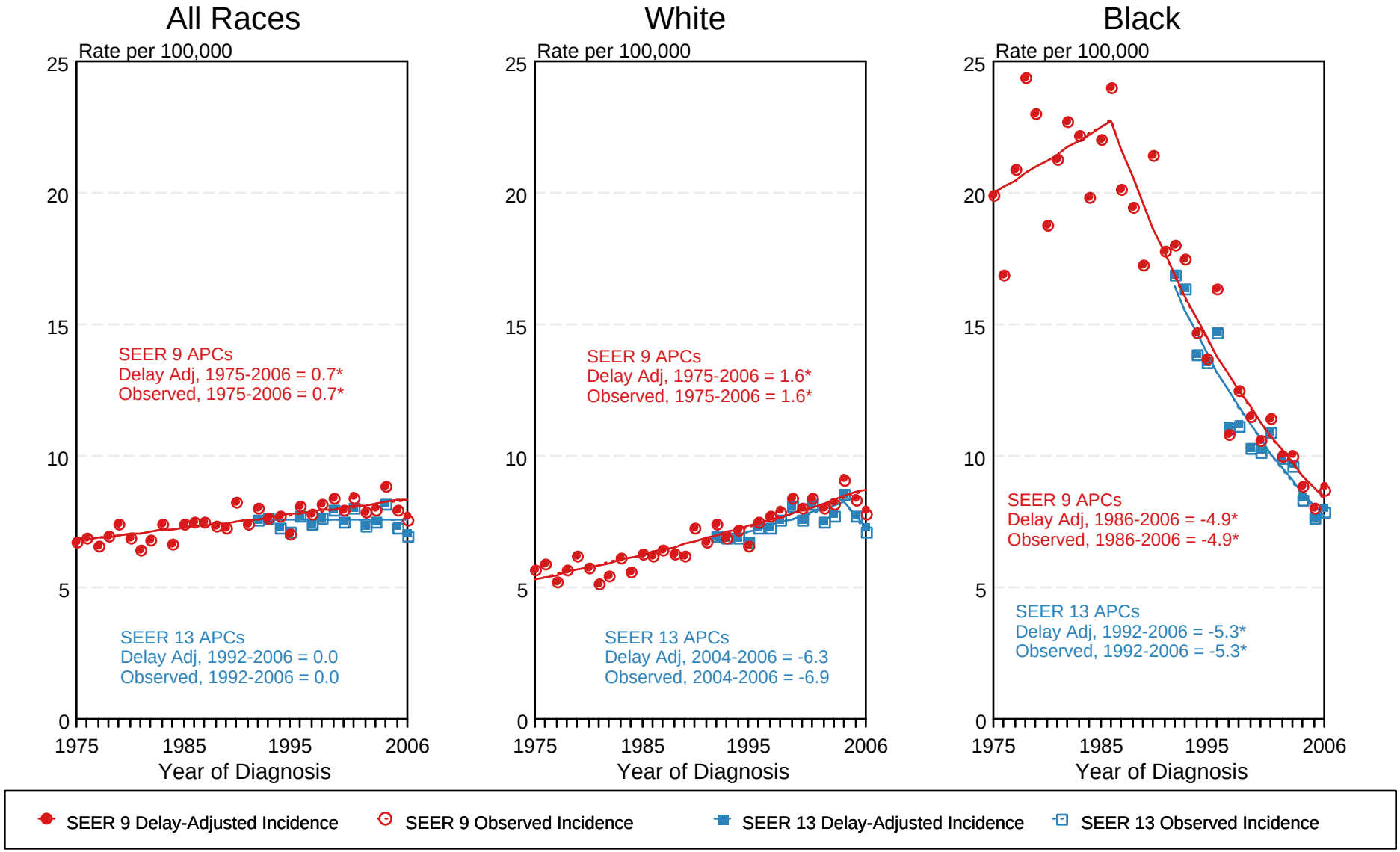


[a] Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer 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 8.1

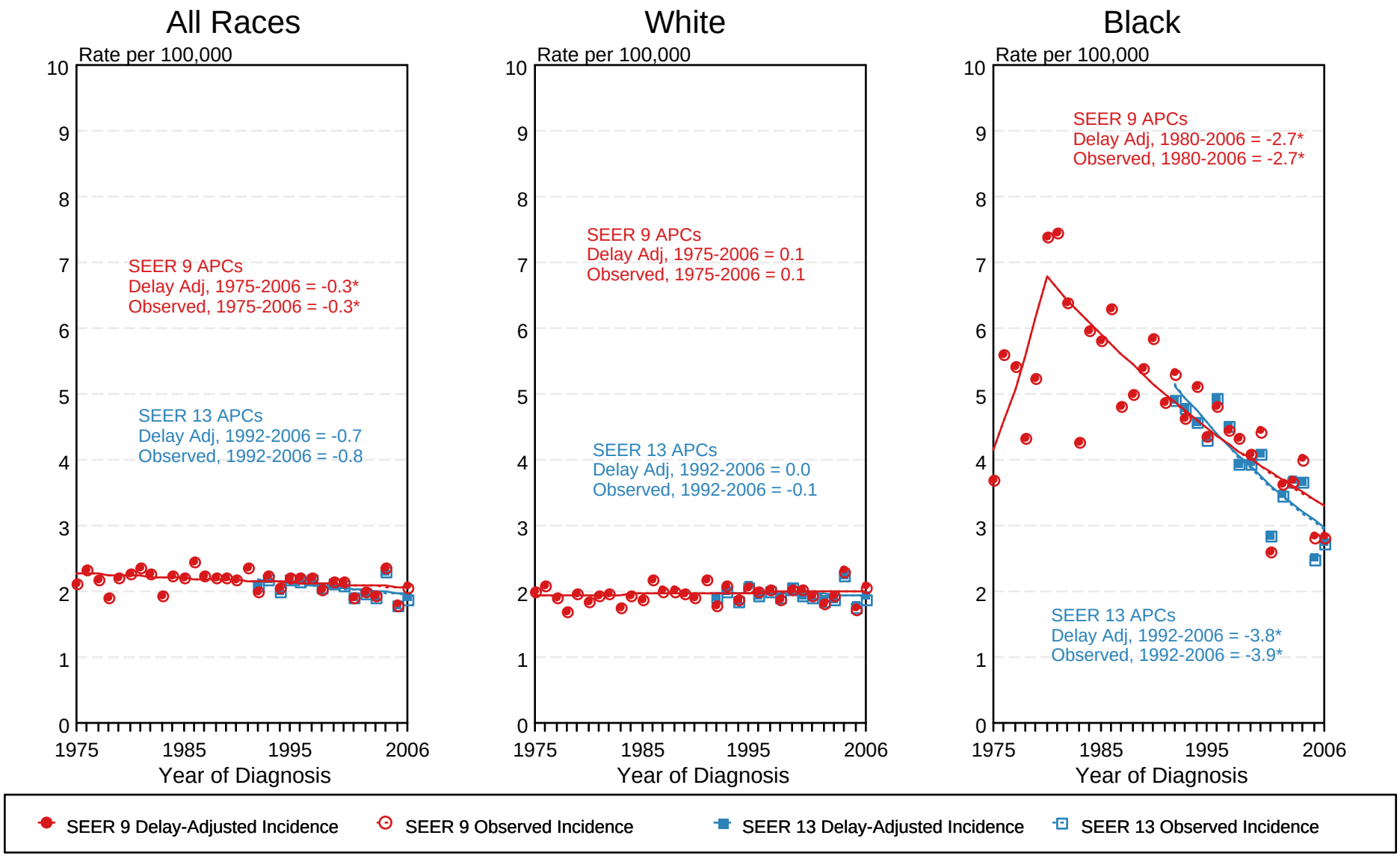
SEER Observed Incidence and SEER Delay Adjusted Incidence Rates[a]
SEER 9 Areas Compared to SEER 13 Areas
Cancer of the Esophagus, Male, by Race



[a] Source: SEER 9 areas and SEER 13 areas.
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, 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, Female, by Race



[a] Source: SEER 9 areas and SEER 13 areas.
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, 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

Table 9.1
Hodgkin Lymphoma

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Both Sexes by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-2006	-0.1									-0.1	-0.1
White	1975-2006	-0.1									-0.1	-0.1
Black	1975-2006	1.2*									1.2*	1.2*
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-2006	0.2									0.2	0.2
White	1992-2006	0.1									0.1	0.1
Black	1992-2006	1.1									1.1	1.1
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-2006	-0.2									-0.2	-0.2
White	1975-2006	-0.2									-0.2	-0.2
Black	1975-2006	1.1*									1.1*	1.1*
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-2006	0.2									0.2	0.2
White	1992-2006	0.0									0.0	0.0
White NH[ef]	1992-2006	0.3*									0.3*	0.3*
Black	1992-2006	0.9									0.9	0.9
Black NH[ef]	1992-2006	0.9									0.9	0.9
API[e]	1992-2006	3.3*									3.3*	3.3*
AI/AN[eg]	-	-									-	-
Hispanic[f]	1992-2006	0.2									0.2	0.2
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1979	-6.4*	1979-1998	-3.5*	1998-2006	-2.0*					-2.2*	-2.0*
White	1975-1979	-6.3*	1979-1998	-3.6*	1998-2006	-1.9*					-2.1*	-1.9*
Black	1975-1978	-9.8*	1978-1997	-2.2*	1997-2000	-10.2	2000-2006	1.7			-2.4	1.7
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-1994	-7.9	1994-2006	-2.3*							-2.3*	-2.3*
White	1992-1994	-8.3	1994-2006	-2.2*							-2.2*	-2.2*
White NH[ef]	1992-2006	-2.3*									-2.3*	-2.3*
Black	1992-2003	-4.2*	2003-2006	4.9							-1.3	2.5
Black NH[ef]	1992-2006	-2.5*									-2.5*	-2.5*
API[e]	1992-2006	0.9									0.9	0.9
AI/AN[eg]	1992-2006	7.9									7.9	7.9
Hispanic[f]	1992-2006	-3.5*									-3.5*	-3.5*

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

Table 9.2
Hodgkin Lymphoma

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Males by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-2006	-0.6*									-0.6*	-0.6*
White	1975-2006	-0.5*									-0.5*	-0.5*
Black	1975-2006	0.3									0.3	0.3
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-2006	0.1									0.1	0.1
White	1992-2006	0.0									0.0	0.0
Black	1992-2006	1.3									1.3	1.3
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-2006	-0.6*									-0.6*	-0.6*
White	1975-2006	-0.6*									-0.6*	-0.6*
Black	1975-2006	0.2									0.2	0.2
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-2006	0.1									0.1	0.1
White	1992-2006	-0.1									-0.1	-0.1
White NH[ef]	1992-2006	0.2									0.2	0.2
Black	1992-2006	1.2									1.2	1.2
Black NH[ef]	1992-2006	1.0									1.0	1.0
API[e]	1992-2006	2.0									2.0	2.0
AI/AN[eg]	-	-									-	-
Hispanic[f]	1992-2006	0.2									0.2	0.2
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-2000	-4.0*	2000-2006	-0.9							-1.9*	-0.9
White	1975-1997	-4.1*	1997-2006	-2.0*							-2.0*	-2.0*
Black	1975-2006	-3.2*									-3.2*	-3.2*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-1994	-11.3*	1994-2006	-2.1*							-2.1*	-2.1*
White	1992-1994	-11.6	1994-2006	-2.0*							-2.0*	-2.0*
White NH[ef]	1992-1994	-11.5	1994-2006	-1.6*							-1.6*	-1.6*
Black	1992-2006	-3.4*									-3.4*	-3.4*
Black NH[ef]	1992-2006	-2.9*									-2.9*	-2.9*
API[e]	1992-1997	-22.2*	1997-2006	6.9							6.9	6.9
AI/AN[eg]	-	-									-	-
Hispanic[f]	1992-2006	-3.8*									-3.8*	-3.8*

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

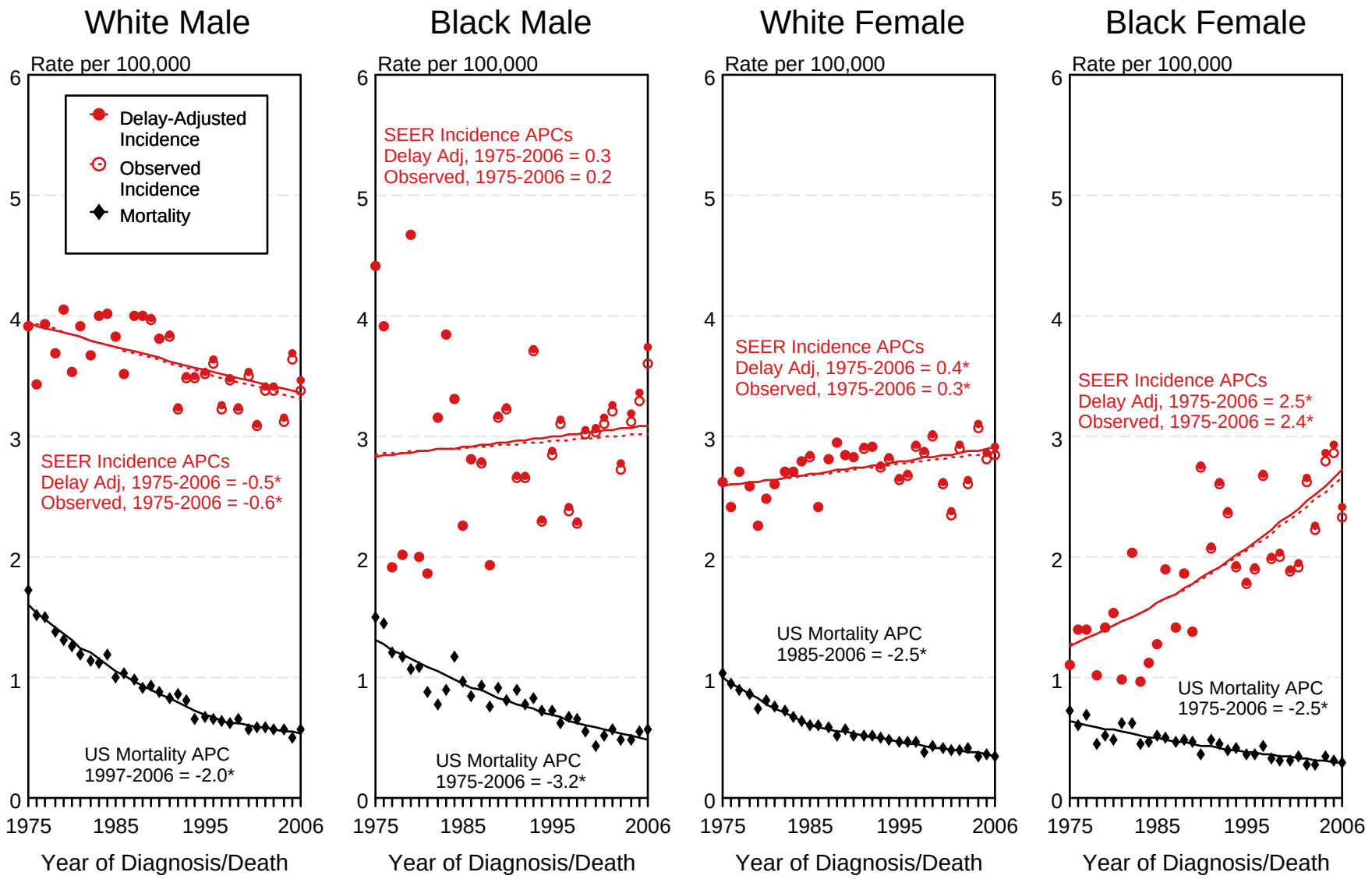
Table 9.3
Hodgkin Lymphoma

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Females by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-2006	0.4*									0.4*	0.4*
White	1975-2006	0.4*									0.4*	0.4*
Black	1975-2006	2.5*									2.5*	2.5*
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-2006	0.3									0.3	0.3
White	1992-2006	0.3									0.3	0.3
Black	1992-2006	0.8									0.8	0.8
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-2006	0.4*									0.4*	0.4*
White	1975-2006	0.3*									0.3*	0.3*
Black	1975-2006	2.4*									2.4*	2.4*
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-2006	0.2									0.2	0.2
White	1992-2006	0.2									0.2	0.2
White NH[ef]	1992-2006	0.4									0.4	0.4
Black	1992-2006	0.6									0.6	0.6
Black NH[ef]	1992-2006	0.7									0.7	0.7
API[e]	1992-2006	4.8*									4.8*	4.8*
AI/AN[eg]	-	-									-	-
Hispanic[f]	1992-2006	0.3									0.3	0.3
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1985	-4.9*	1985-2006	-2.6*							-2.6*	-2.6*
White	1975-1985	-5.0*	1985-2006	-2.5*							-2.5*	-2.5*
Black	1975-2006	-2.5*									-2.5*	-2.5*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-2006	-2.6*									-2.6*	-2.6*
White	1992-2006	-2.6*									-2.6*	-2.6*
White NH[ef]	1992-2006	-2.2*									-2.2*	-2.2*
Black	1992-2006	-2.6*									-2.6*	-2.6*
Black NH[ef]	1992-2006	-2.0*									-2.0*	-2.0*
API[e]	-	-									-	-
AI/AN[eg]	-	-									-	-
Hispanic[f]	1992-2006	-3.3*									-3.3*	-3.3*

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

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

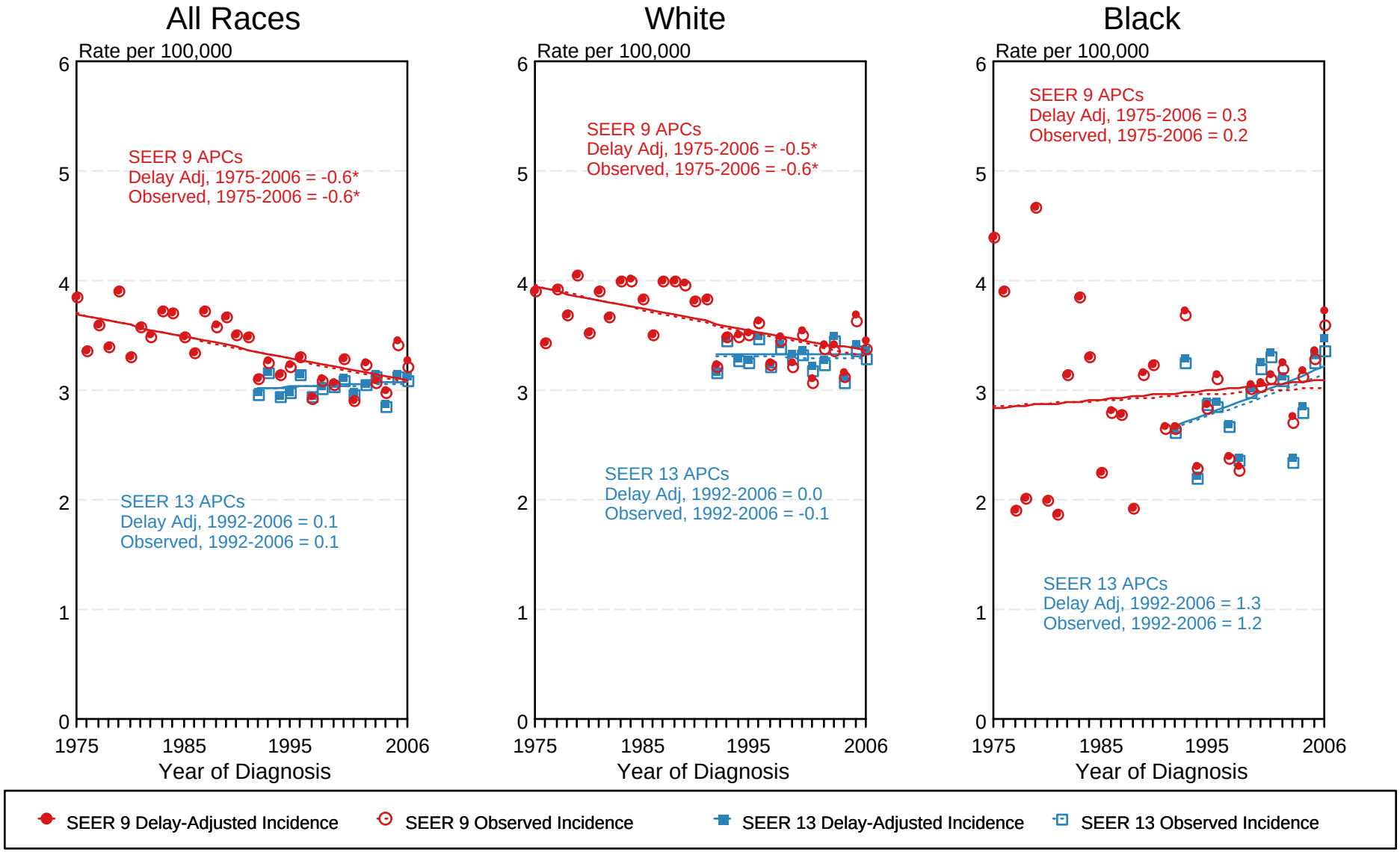


[a] Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer 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 9.1

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

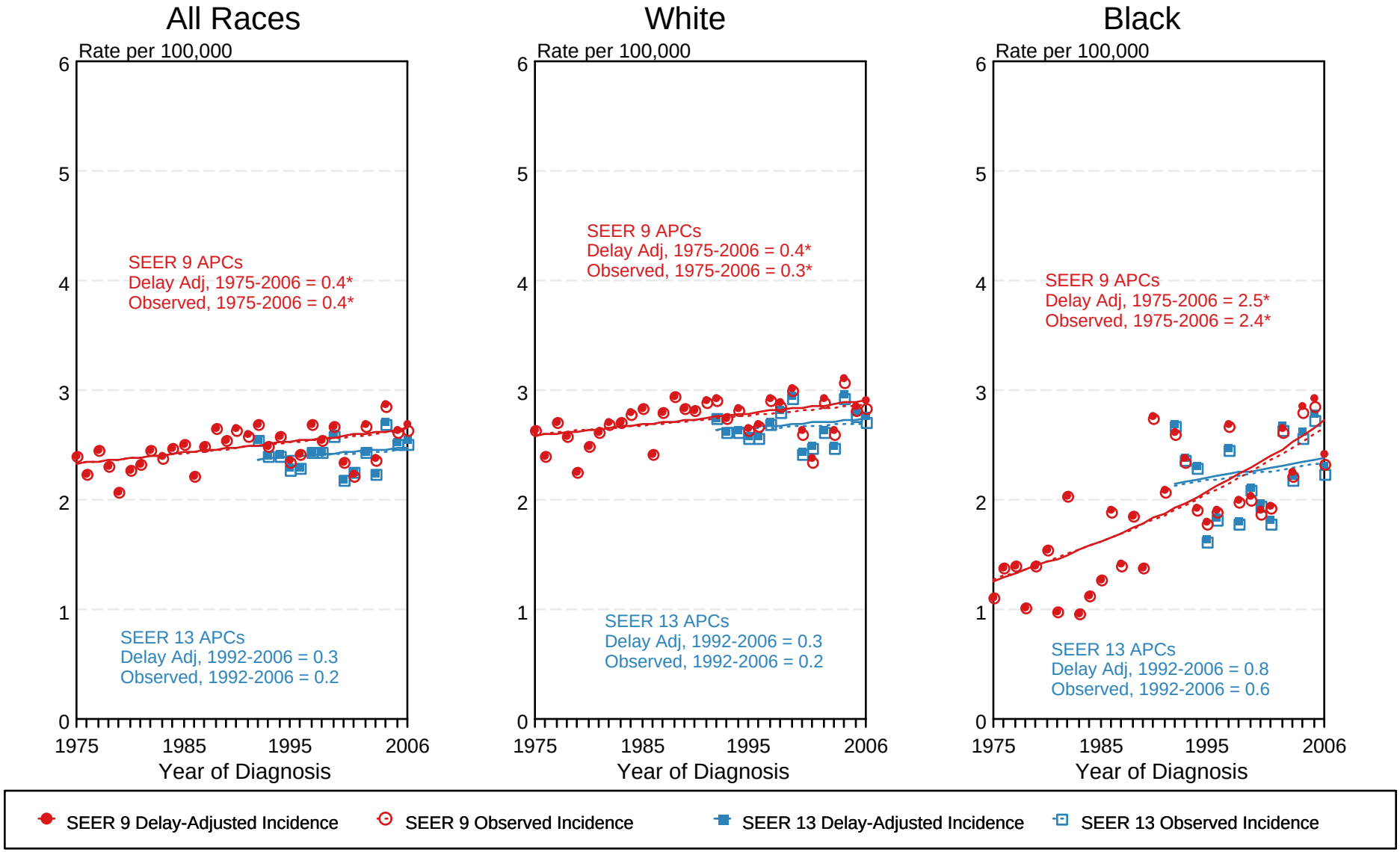


[a] Source: SEER 9 areas and SEER 13 areas.
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute.
The APC is the Annual Percent Change 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, Female, by Race



[a] Source: SEER 9 areas and SEER 13 areas.
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, 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

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,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Both Sexes by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-2006	2.0*									2.0*	2.0*
White	1975-1991	2.4*	1991-1997	0.8	1997-2006	2.8*					2.8*	2.8*
Black	1975-2006	2.7*									2.7*	2.7*
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-1997	1.2*	1997-2006	2.5*							2.5*	2.5*
White	1992-2006	2.2*									2.2*	2.2*
Black	1992-2006	1.9*									1.9*	1.9*
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-2006	2.0*									2.0*	2.0*
White	1975-2006	2.0*									2.0*	2.0*
Black	1975-2006	2.6*									2.6*	2.6*
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-2006	2.0*									2.0*	2.0*
White	1992-2006	2.1*									2.1*	2.1*
White NH[ef]	1992-2006	2.0*									2.0*	2.0*
Black	1992-2006	1.7*									1.7*	1.7*
Black NH[ef]	1992-2006	1.7*									1.7*	1.7*
API[e]	1992-2006	2.1*									2.1*	2.1*
AI/AN[eg]	1992-2006	0.7									0.7	0.7
Hispanic[f]	1992-2006	2.5*									2.5*	2.5*
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1992	1.1*	1992-2006	-0.3*							-0.3*	-0.3*
White	1975-1992	1.1*	1992-2006	-0.3*							-0.3*	-0.3*
Black	1975-1991	2.7*	1991-2006	-0.3							-0.3	-0.3
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-2006	-0.4*									-0.4*	-0.4*
White	1992-2006	-0.3*									-0.3*	-0.3*
White NH[ef]	1992-2006	-0.2									-0.2	-0.2
Black	1992-1995	2.6	1995-2006	-0.8*							-0.8*	-0.8*
Black NH[ef]	1992-2006	-0.2									-0.2	-0.2
API[e]	1992-2006	-0.7									-0.7	-0.7
AI/AN[eg]	1992-2006	-0.4									-0.4	-0.4
Hispanic[f]	1992-2006	0.1									0.1	0.1

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

Table 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,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Males by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-2006	1.8*									1.8*	1.8*
White	1975-2006	1.7*									1.7*	1.7*
Black	1975-2006	2.7*									2.7*	2.7*
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-2006	1.8*									1.8*	1.8*
White	1992-2006	1.9*									1.9*	1.9*
Black	1992-2006	1.9*									1.9*	1.9*
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-2006	1.7*									1.7*	1.7*
White	1975-2006	1.6*									1.6*	1.6*
Black	1975-2006	2.6*									2.6*	2.6*
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-2006	1.7*									1.7*	1.7*
White	1992-2006	1.8*									1.8*	1.8*
White NH[ef]	1992-2006	1.7*									1.7*	1.7*
Black	1992-2006	1.7*									1.7*	1.7*
Black NH[ef]	1992-2006	1.6*									1.6*	1.6*
API[e]	1992-2006	1.4*									1.4*	1.4*
AI/AN[eg]	1992-2006	-0.3									-0.3	-0.3
Hispanic[f]	1992-2006	2.3*									2.3*	2.3*
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1991	1.1*	1991-2002	-0.1	2002-2006	-1.5*					-0.7*	-1.5*
White	1975-1991	1.0*	1991-2003	-0.1	2003-2006	-1.9					-0.7*	-1.5*
Black	1975-1991	3.0*	1991-2006	-0.4							-0.4	-0.4
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-2002	-0.1	2002-2006	-1.5*							-0.7*	-1.5*
White	1992-2006	-0.3*									-0.3*	-0.3*
White NH[ef]	1992-2006	-0.2									-0.2	-0.2
Black	1992-2006	-0.3									-0.3	-0.3
Black NH[ef]	1992-2006	-0.1									-0.1	-0.1
API[e]	1992-2006	-1.1									-1.1	-1.1
AI/AN[eg]	1992-2006	-0.4									-0.4	-0.4
Hispanic[f]	1992-2006	-0.1									-0.1	-0.1

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

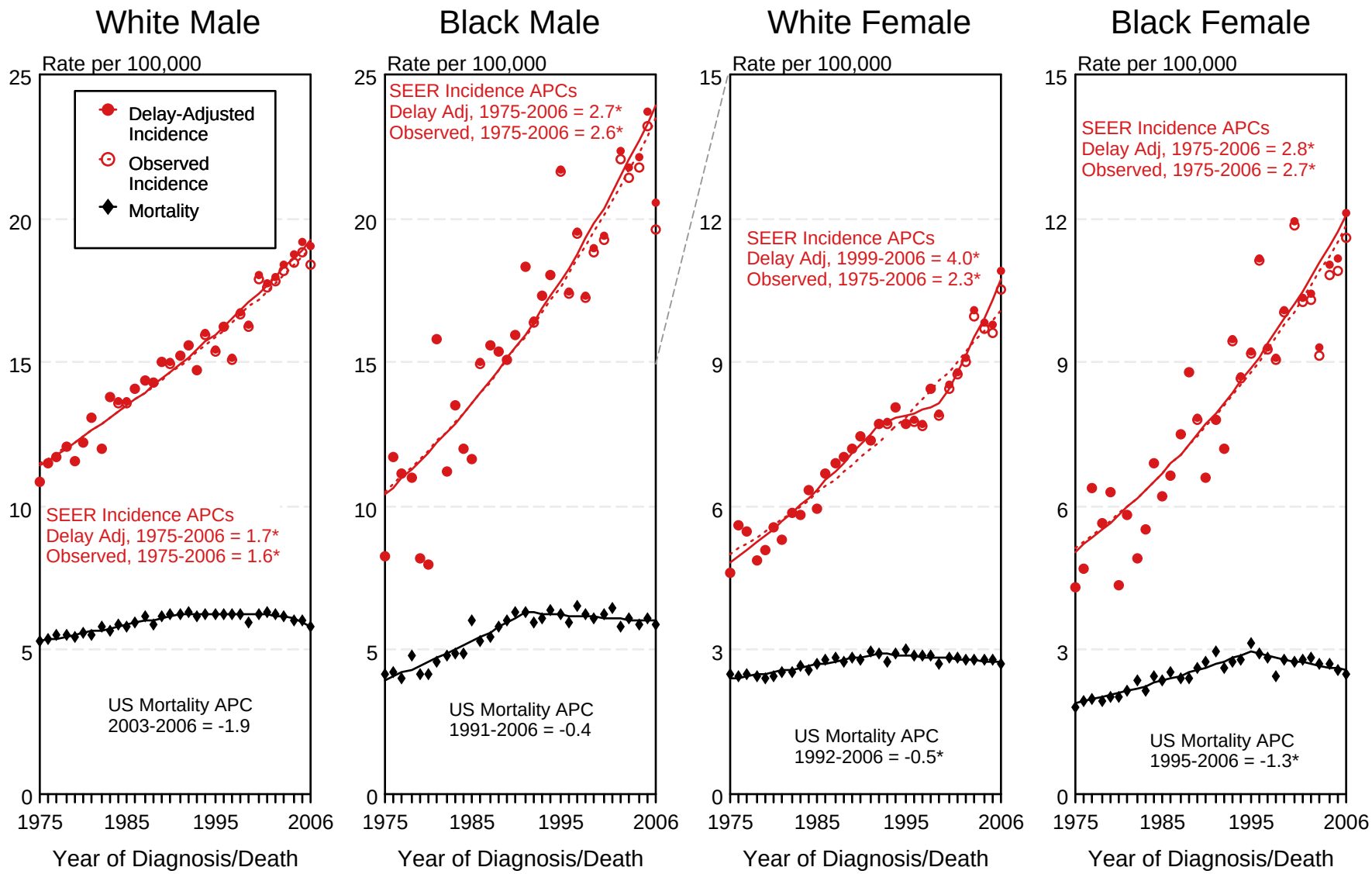
Table 11.3
Cancer of the Kidney and Renal Pelvis (Invasive)

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Females by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-2006	2.4*									2.4*	2.4*
White	1975-1992	2.8*	1992-1999	0.8	1999-2006	4.0*					3.3*	4.0*
Black	1975-2006	2.8*									2.8*	2.8*
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-2006	2.4*									2.4*	2.4*
White	1992-2006	2.5*									2.5*	2.5*
Black	1992-2006	2.0*									2.0*	2.0*
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-2006	2.3*									2.3*	2.3*
White	1975-2006	2.3*									2.3*	2.3*
Black	1975-2006	2.7*									2.7*	2.7*
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-2006	2.2*									2.2*	2.2*
White	1992-2006	2.3*									2.3*	2.3*
White NH[ef]	1992-1997	0.1	1997-2006	3.1*							3.1*	3.1*
Black	1992-2006	1.8*									1.8*	1.8*
Black NH[ef]	1992-2006	1.9*									1.9*	1.9*
API[e]	1992-2006	3.3*									3.3*	3.3*
AI/AN[eg]	1992-2006	1.9									1.9	1.9
Hispanic[f]	1992-1995	12.4*	1995-2006	1.7*							1.7*	1.7*
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1992	1.3*	1992-2006	-0.6*							-0.6*	-0.6*
White	1975-1992	1.2*	1992-2006	-0.5*							-0.5*	-0.5*
Black	1975-1995	2.3*	1995-2006	-1.3*							-1.3*	-1.3*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-2006	-0.5*									-0.5*	-0.5*
White	1992-2006	-0.5*									-0.5*	-0.5*
White NH[ef]	1992-2006	-0.4*									-0.4*	-0.4*
Black	1992-2006	-0.6									-0.6	-0.6
Black NH[ef]	1992-2006	-0.4									-0.4	-0.4
API[e]	1992-2006	0.0									0.0	0.0
AI/AN[eg]	1992-2006	-1.4									-1.4	-1.4
Hispanic[f]	1992-2006	0.1									0.1	0.1

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

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

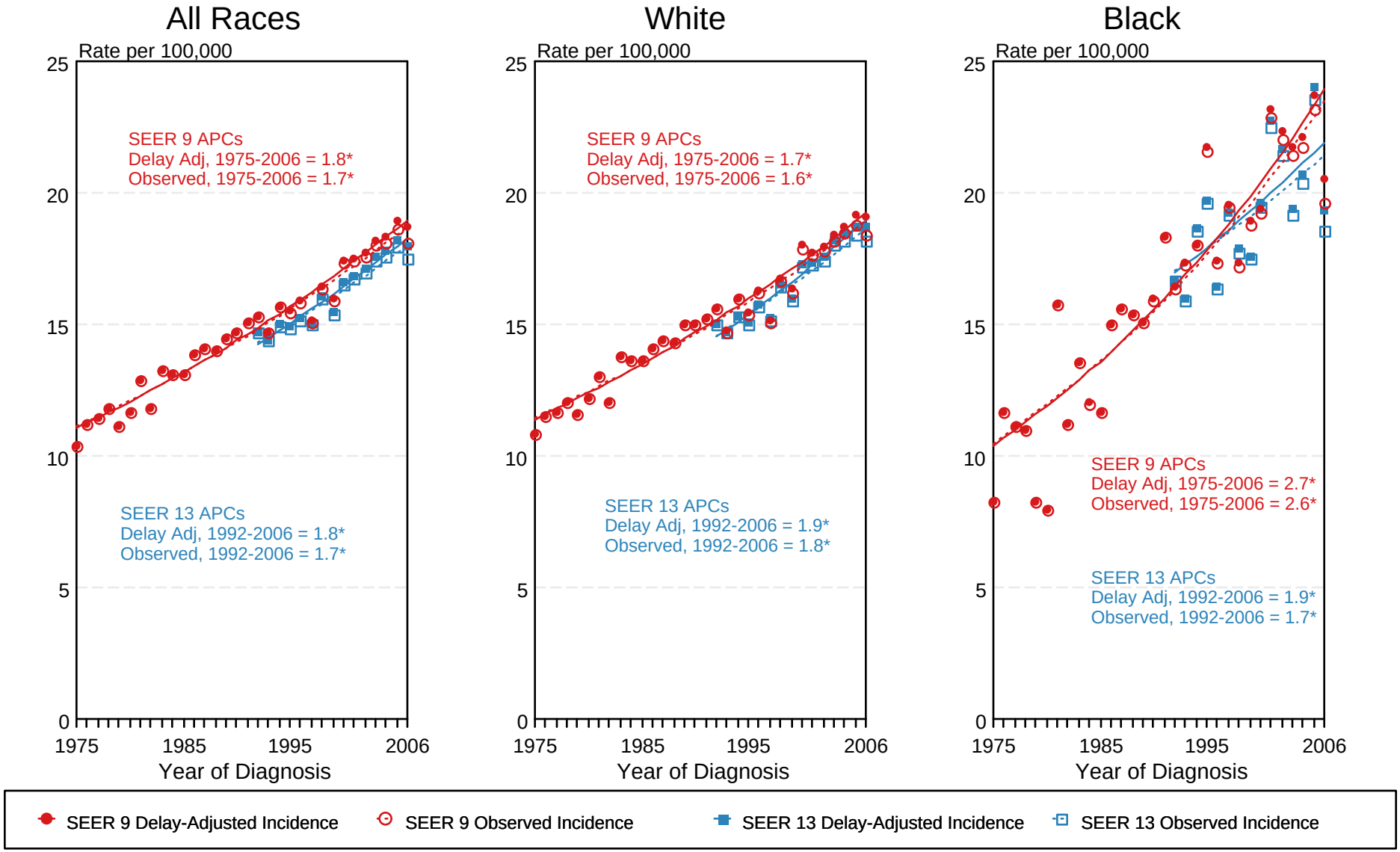


[a] Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer 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 11.1

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

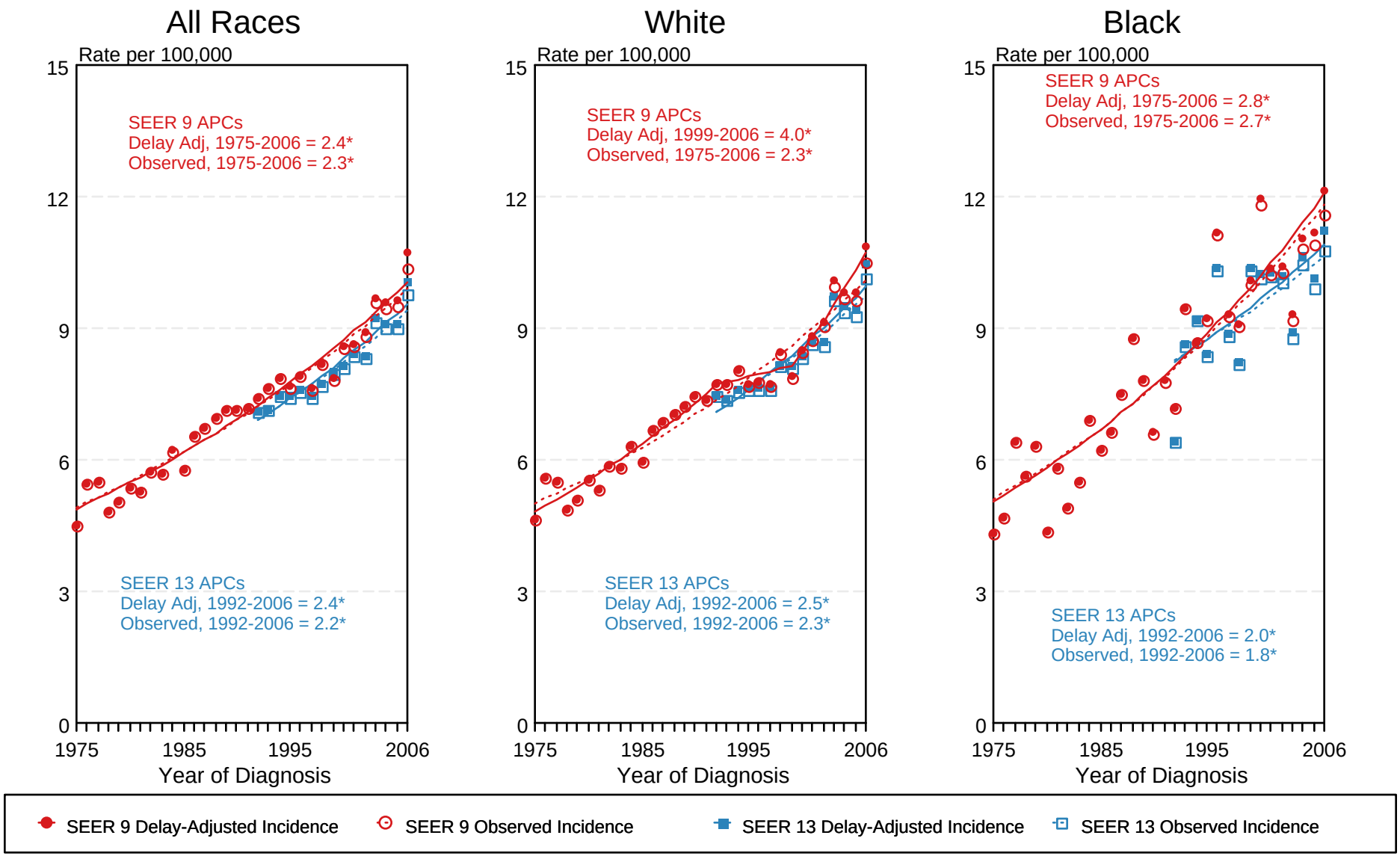


[a] Source: SEER 9 areas and SEER 13 areas.
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute.
The APC is the Annual Percent Change 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, Female, by Race



[a] Source: SEER 9 areas and SEER 13 areas.
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, 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

Table 12.1
Cancer of the Larynx (Invasive)

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Both Sexes by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-1988	0.1	1988-2006	-2.6*							-2.6*	-2.6*
White	1975-1988	0.0	1988-2006	-2.5*							-2.5*	-2.5*
Black	1975-1990	1.2*	1990-2006	-2.8*							-2.8*	-2.8*
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-2006	-3.0*									-3.0*	-3.0*
White	1992-2006	-2.7*									-2.7*	-2.7*
Black	1992-2006	-3.3*									-3.3*	-3.3*
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-1988	0.1	1988-2006	-2.6*							-2.6*	-2.6*
White	1975-1988	0.1	1988-2006	-2.6*							-2.6*	-2.6*
Black	1975-1990	1.2*	1990-2006	-2.9*							-2.9*	-2.9*
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-2006	-3.0*									-3.0*	-3.0*
White	1992-2006	-2.8*									-2.8*	-2.8*
White NH[ef]	1992-2006	-2.8*									-2.8*	-2.8*
Black	1992-2006	-3.4*									-3.4*	-3.4*
Black NH[ef]	1992-2006	-3.4*									-3.4*	-3.4*
API[e]	1992-2006	-3.4*									-3.4*	-3.4*
AI/AN[eg]	1992-2006	-1.6									-1.6	-1.6
Hispanic[f]	1992-2006	-2.4*									-2.4*	-2.4*
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1993	-0.4*	1993-2006	-2.0*							-2.0*	-2.0*
White	1975-1993	-0.7*	1993-2006	-1.7*							-1.7*	-1.7*
Black	1975-1993	1.3*	1993-2006	-3.1*							-3.1*	-3.1*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-2006	-2.1*									-2.1*	-2.1*
White	1992-2004	-1.9*	2004-2006	0.0							-1.5*	-0.9
White NH[ef]	1992-2006	-1.5*									-1.5*	-1.5*
Black	1992-2006	-3.0*									-3.0*	-3.0*
Black NH[ef]	1992-2006	-2.5*									-2.5*	-2.5*
API[e]	1992-2006	-3.1*									-3.1*	-3.1*
AI/AN[eg]	1992-2006	-1.6									-1.6	-1.6
Hispanic[f]	1992-2006	-2.7*									-2.7*	-2.7*

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

Table 12.2
Cancer of the Larynx (Invasive)

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Males by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-1988	-0.3	1988-2006	-2.7*							-2.7*	-2.7*
White	1975-1987	-0.2	1987-2006	-2.7*							-2.7*	-2.7*
Black	1975-1990	0.9	1990-2006	-2.6*							-2.6*	-2.6*
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-2006	-3.1*									-3.1*	-3.1*
White	1992-2006	-2.9*									-2.9*	-2.9*
Black	1992-2006	-3.1*									-3.1*	-3.1*
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-1988	-0.3	1988-2006	-2.8*							-2.8*	-2.8*
White	1975-1988	-0.3	1988-2006	-2.9*							-2.9*	-2.9*
Black	1975-1990	0.9	1990-2006	-2.7*							-2.7*	-2.7*
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-2006	-3.1*									-3.1*	-3.1*
White	1992-2006	-3.0*									-3.0*	-3.0*
White NH[ef]	1992-2006	-3.0*									-3.0*	-3.0*
Black	1992-2006	-3.2*									-3.2*	-3.2*
Black NH[ef]	1992-2006	-3.2*									-3.2*	-3.2*
API[e]	1992-2006	-3.1*									-3.1*	-3.1*
AI/AN[eg]	1992-2006	-3.3									-3.3	-3.3
Hispanic[f]	1992-2006	-2.4*									-2.4*	-2.4*
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1993	-0.8*	1993-2006	-2.3*							-2.3*	-2.3*
White	1975-1993	-1.1*	1993-2006	-2.1*							-2.1*	-2.1*
Black	1975-1993	1.3*	1993-2006	-3.1*							-3.1*	-3.1*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-2006	-2.4*									-2.4*	-2.4*
White	1992-2006	-2.2*									-2.2*	-2.2*
White NH[ef]	1992-2006	-1.9*									-1.9*	-1.9*
Black	1992-2006	-2.9*									-2.9*	-2.9*
Black NH[ef]	1992-2006	-2.5*									-2.5*	-2.5*
API[e]	1992-2006	-2.1									-2.1	-2.1
AI/AN[eg]	1992-2006	0.0									0.0	0.0
Hispanic[f]	1992-2006	-2.9*									-2.9*	-2.9*

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

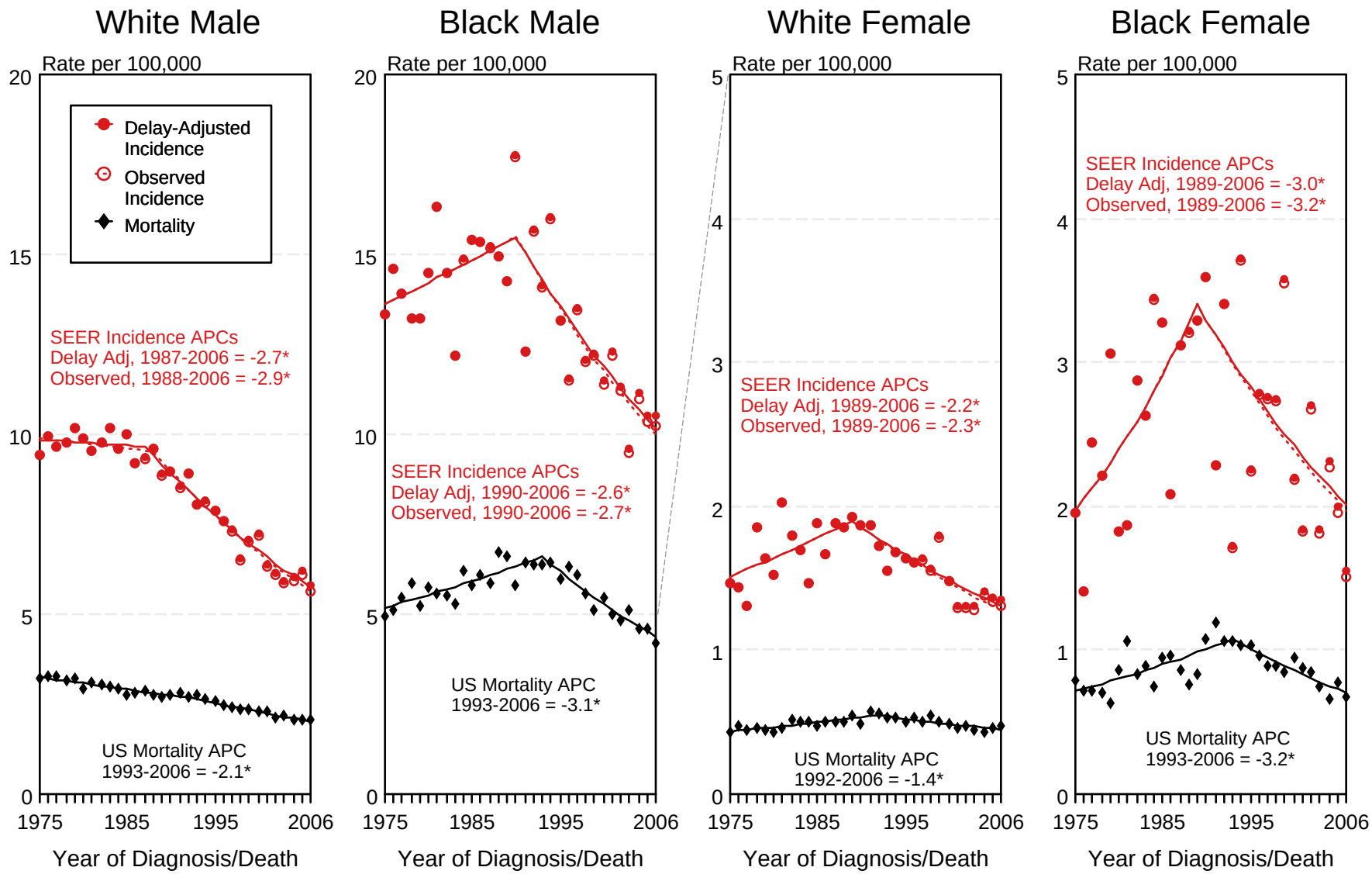
Table 12.3
Cancer of the Larynx (Invasive)

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Females by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-1989	1.8*	1989-2006	-2.5*							-2.5*	-2.5*
White	1975-1989	1.6*	1989-2006	-2.2*							-2.2*	-2.2*
Black	1975-1989	4.0*	1989-2006	-3.0*							-3.0*	-3.0*
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-2006	-3.0*									-3.0*	-3.0*
White	1992-2006	-2.5*									-2.5*	-2.5*
Black	1992-2006	-4.0*									-4.0*	-4.0*
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-1989	1.8*	1989-2006	-2.6*							-2.6*	-2.6*
White	1975-1989	1.6*	1989-2006	-2.3*							-2.3*	-2.3*
Black	1975-1989	4.0*	1989-2006	-3.2*							-3.2*	-3.2*
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-2006	-3.1*									-3.1*	-3.1*
White	1992-2006	-2.6*									-2.6*	-2.6*
White NH[ef]	1992-2006	-2.4*									-2.4*	-2.4*
Black	1992-2006	-4.1*									-4.1*	-4.1*
Black NH[ef]	1992-2006	-4.1*									-4.1*	-4.1*
API[e]	1992-2006	-3.9									-3.9	-3.9
AI/AN[eg]	-	-									-	-
Hispanic[f]	1992-2006	-3.0									-3.0	-3.0
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1992	1.5*	1992-2006	-1.8*							-1.8*	-1.8*
White	1975-1992	1.4*	1992-2006	-1.4*							-1.4*	-1.4*
Black	1975-1993	2.3*	1993-2006	-3.2*							-3.2*	-3.2*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-2006	-1.8*									-1.8*	-1.8*
White	1992-2006	-1.4*									-1.4*	-1.4*
White NH[ef]	1992-2006	-1.0*									-1.0*	-1.0*
Black	1992-2006	-3.1*									-3.1*	-3.1*
Black NH[ef]	1992-2006	-2.1*									-2.1*	-2.1*
API[e]	1992-2006	-6.6*									-6.6*	-6.6*
AI/AN[eg]	-	-									-	-
Hispanic[f]	1992-2006	-4.0*									-4.0*	-4.0*

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

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

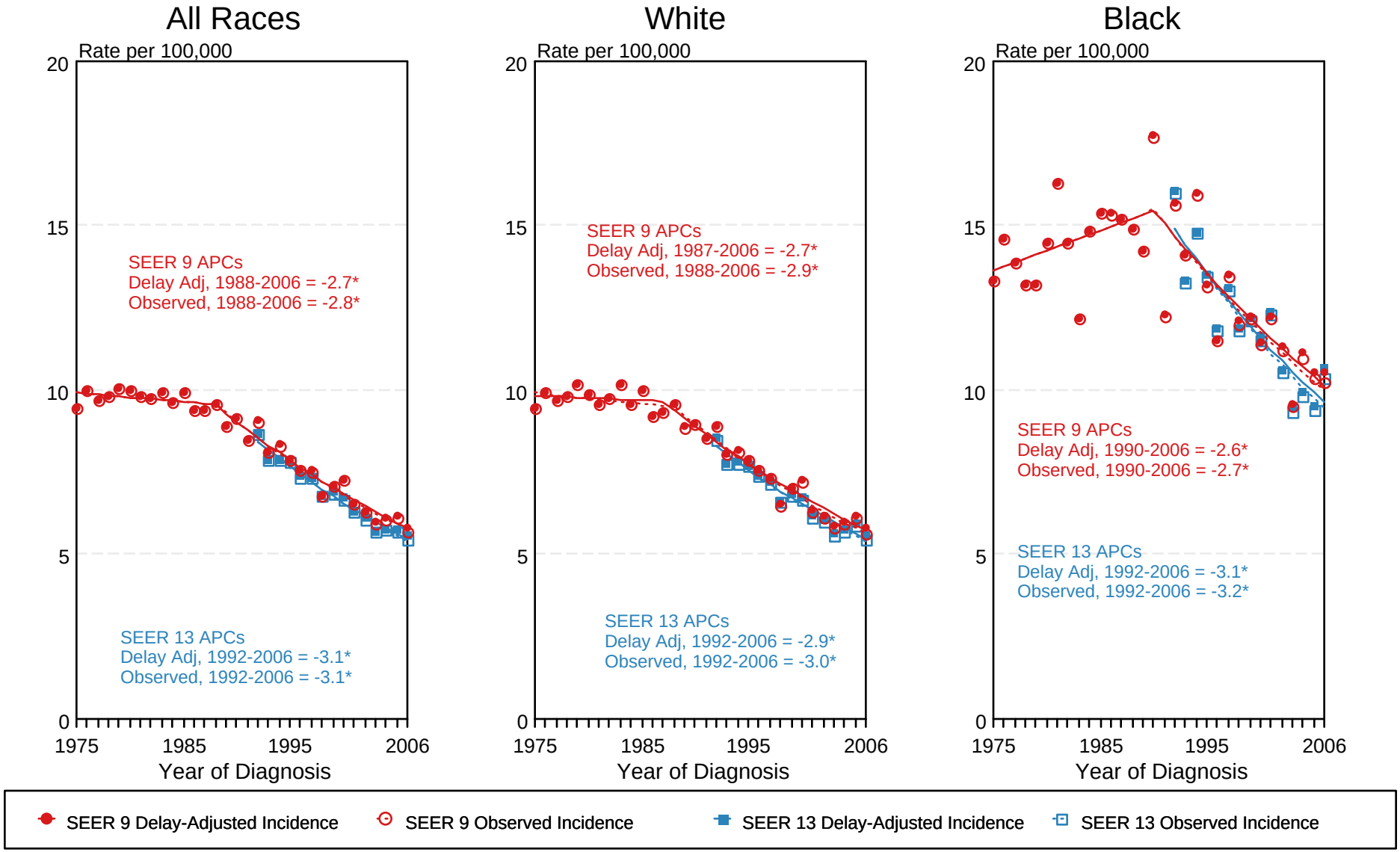


[a] Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer 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 12.1

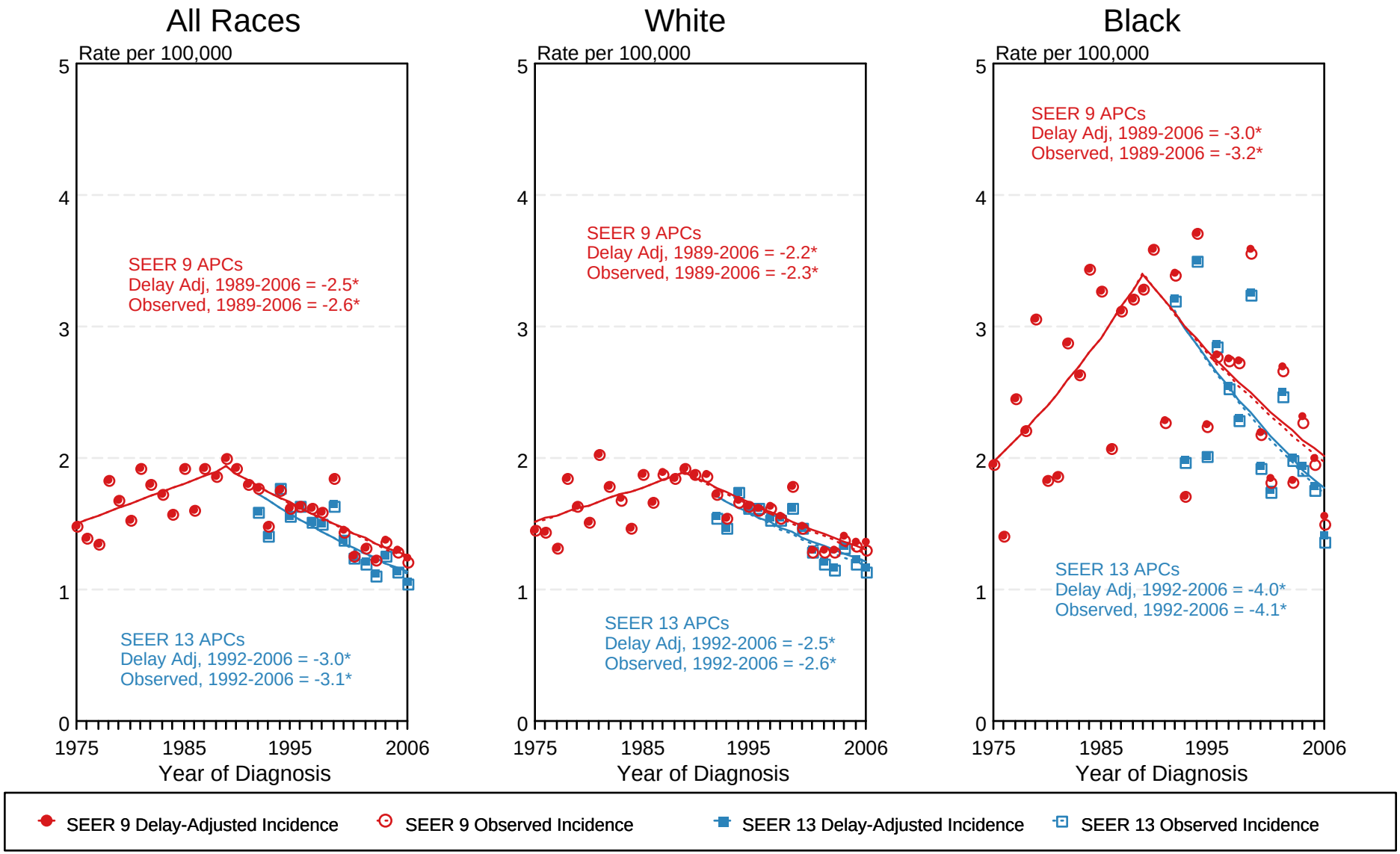
SEER Observed Incidence and SEER Delay Adjusted Incidence Rates[a]
SEER 9 Areas Compared to SEER 13 Areas
Cancer of the Larynx, Male, by Race



[a] Source: SEER 9 areas and SEER 13 areas.
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, 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, Female, by Race



[a] Source: SEER 9 areas and SEER 13 areas.
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, 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

Table 13.1
Leukemia

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Both Sexes by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-2006	0.3*									0.3*	0.3*
White	1975-2006	0.4*									0.4*	0.4*
Black	1975-2006	-0.1									-0.1	-0.1
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-2006	0.2									0.2	0.2
White	1992-2006	0.3*									0.3*	0.3*
Black	1992-2006	0.2									0.2	0.2
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-2003	0.1	2003-2006	-3.1*							-1.0*	-2.3*
White	1975-2002	0.2*	2002-2006	-2.3*							-0.9*	-2.3*
Black	1975-2006	-0.4*									-0.4*	-0.4*
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-2004	-0.2	2004-2006	-4.3							-1.2	-2.3
White	1992-2001	0.2	2001-2006	-1.9*							-1.0*	-1.9*
White NH[ef]	1992-2001	0.4	2001-2006	-2.2*							-1.0*	-2.2*
Black	1992-2006	-0.5									-0.5	-0.5
Black NH[ef]	1992-2006	-0.6									-0.6	-0.6
API[e]	1992-2006	-0.9*									-0.9*	-0.9*
AI/AN[eg]	1992-2006	3.1									3.1*	3.1*
Hispanic[f]	1992-2006	-0.1									-0.1	-0.1
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1980	0.6	1980-1988	-0.6*	1988-1991	0.7	1991-2001	-0.5*	2001-2006	-1.3*	-0.9*	-1.3*
White	1975-1980	0.5	1980-1988	-0.7*	1988-1991	0.7	1991-2001	-0.4*	2001-2006	-1.1*	-0.8*	-1.1*
Black	1975-1991	0.7*	1991-2006	-1.1*							-1.1*	-1.1*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-2001	-0.5*	2001-2006	-1.3*							-0.9*	-1.3*
White	1992-2006	-0.6*									-0.6*	-0.6*
White NH[ef]	1992-2006	-0.6*									-0.6*	-0.6*
Black	1992-2006	-1.2*									-1.2*	-1.2*
Black NH[ef]	1992-2006	-0.9*									-0.9*	-0.9*
API[e]	1992-2006	-1.5*									-1.5*	-1.5*
AI/AN[eg]	1992-2006	-0.6									-0.6	-0.6
Hispanic[f]	1992-1997	1.4	1997-2006	-1.5*							-1.5*	-1.5*

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

Table 13.2
Leukemia

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Males by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-2006	0.1*									0.1*	0.1*
White	1975-2006	0.2*									0.2*	0.2*
Black	1975-2006	-0.1									-0.1	-0.1
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-2006	0.0									0.0	0.0
White	1992-2006	0.0									0.0	0.0
Black	1992-2006	0.1									0.1	0.1
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-2004	-0.1	2004-2006	-6.6							-1.6*	-3.4
White	1975-2003	0.1	2003-2006	-4.4*							-1.4*	-3.3*
Black	1975-2006	-0.5*									-0.5*	-0.5*
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-2004	-0.4	2004-2006	-6.1							-1.7*	-3.3*
White	1992-2003	-0.2	2003-2006	-4.0							-1.5*	-3.0*
White NH[ef]	1992-2003	-0.1	2003-2006	-4.7							-1.6*	-3.6*
Black	1992-2006	-0.6									-0.6	-0.6
Black NH[ef]	1992-2006	-0.6									-0.6	-0.6
API[e]	1992-2006	-0.8									-0.8	-0.8
AI/AN[eg]	1992-2006	3.8									3.8	3.8
Hispanic[f]	1992-2006	-0.1									-0.1	-0.1
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1995	-0.2*	1995-2006	-0.8*							-0.8*	-0.8*
White	1975-1996	-0.2*	1996-2006	-0.7*							-0.7*	-0.7*
Black	1975-1991	1.0*	1991-2006	-1.2*							-1.2*	-1.2*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-2006	-0.8*									-0.8*	-0.8*
White	1992-2006	-0.7*									-0.7*	-0.7*
White NH[ef]	1992-2006	-0.7*									-0.7*	-0.7*
Black	1992-2006	-1.2*									-1.2*	-1.2*
Black NH[ef]	1992-2006	-1.0*									-1.0*	-1.0*
API[e]	1992-2006	-1.1*									-1.1*	-1.1*
AI/AN[eg]	1992-2006	-0.7									-0.7	-0.7
Hispanic[f]	1992-2006	-0.6									-0.6	-0.6

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

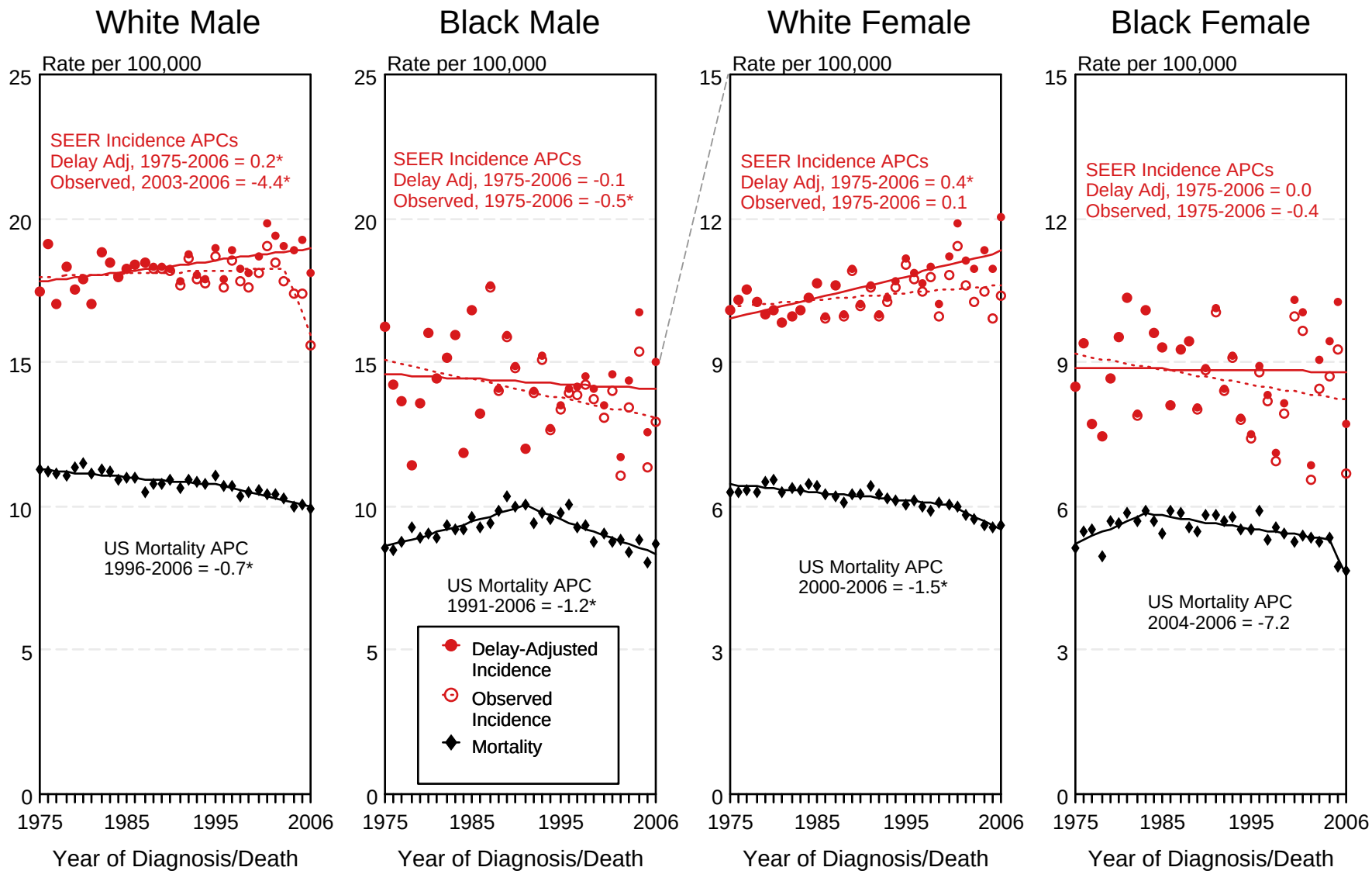
Table 13.3
Leukemia

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Females by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-2006	0.3*									0.3*	0.3*
White	1975-2006	0.4*									0.4*	0.4*
Black	1975-2006	0.0									0.0	0.0
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-2006	0.4*									0.4*	0.4*
White	1992-2006	0.5*									0.5*	0.5*
Black	1992-2006	0.4									0.4	0.4
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-2006	0.0									0.0	0.0
White	1975-2006	0.1									0.1*	0.1*
Black	1975-2006	-0.4									-0.4	-0.4
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-2006	-0.3									-0.3	-0.3
White	1992-2006	-0.2									-0.2	-0.2
White NH[ef]	1992-2006	-0.1									-0.1	-0.1
Black	1992-2006	-0.4									-0.4	-0.4
Black NH[ef]	1992-2006	-0.4									-0.4	-0.4
API[e]	1992-2006	-0.9									-0.9*	-0.9*
AI/AN[eg]	1992-2006	2.6									2.6	2.6
Hispanic[f]	1992-2006	-0.2									-0.2	-0.2
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1980	0.7	1980-2000	-0.4*	2000-2006	-1.6*					-1.2*	-1.6*
White	1975-2000	-0.3*	2000-2006	-1.5*							-1.1*	-1.5*
Black	1975-1983	1.4*	1983-2004	-0.5*	2004-2006	-7.2					-2.0*	-3.9
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-2001	-0.5*	2001-2006	-1.7*							-1.2*	-1.7*
White	1992-2000	-0.4	2000-2006	-1.4*							-1.0*	-1.4*
White NH[ef]	1992-2006	-0.7*									-0.7*	-0.7*
Black	1992-2004	-0.7*	2004-2006	-6.4							-2.0*	-3.6*
Black NH[ef]	1992-2004	-0.4	2004-2006	-5.9							-1.7	-3.2
API[e]	1992-2006	-1.8*									-1.8*	-1.8*
AI/AN[eg]	1992-2006	-0.9									-0.9	-0.9
Hispanic[f]	1992-2006	-1.0*									-1.0*	-1.0*

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

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

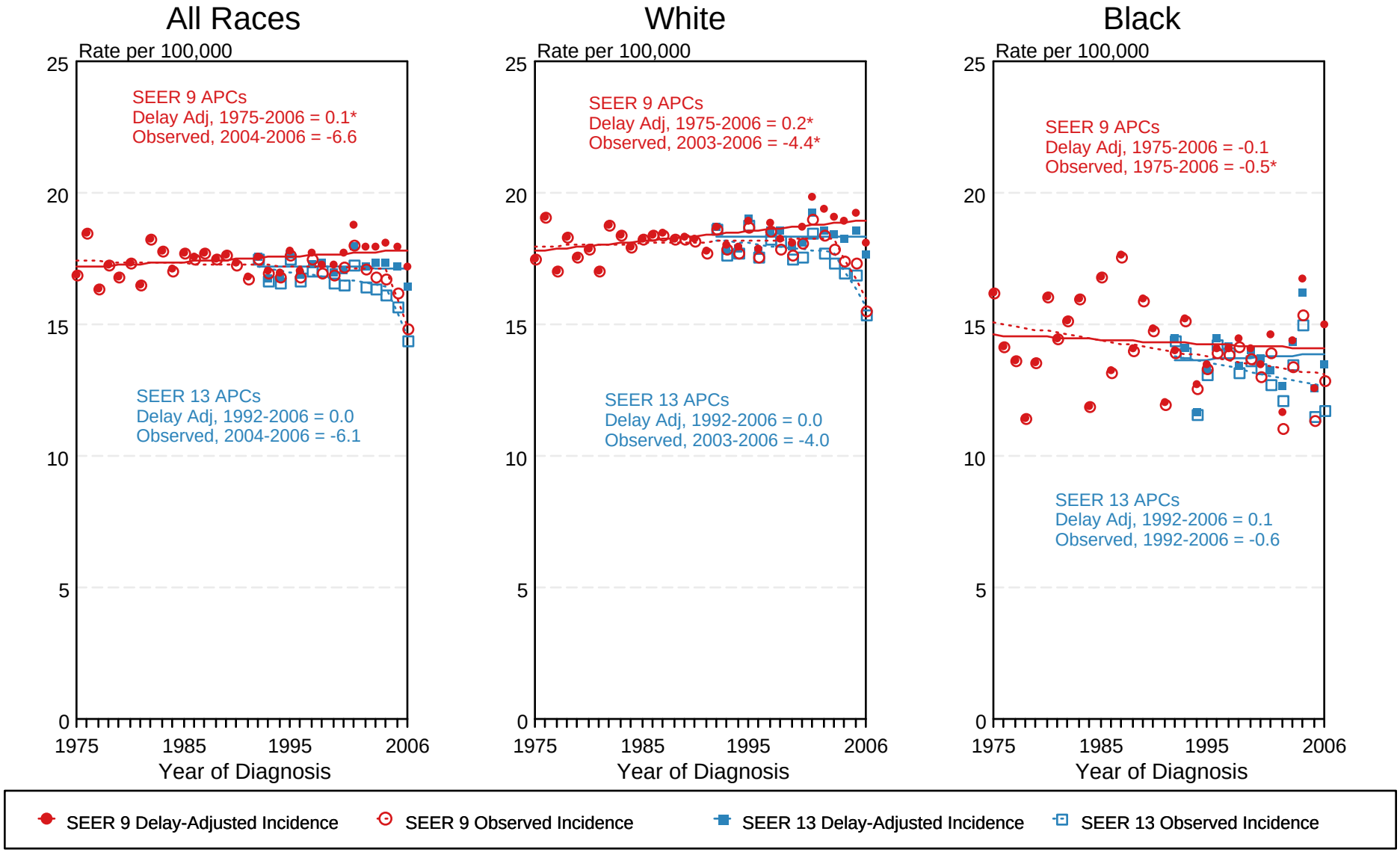


[a] Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer 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

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

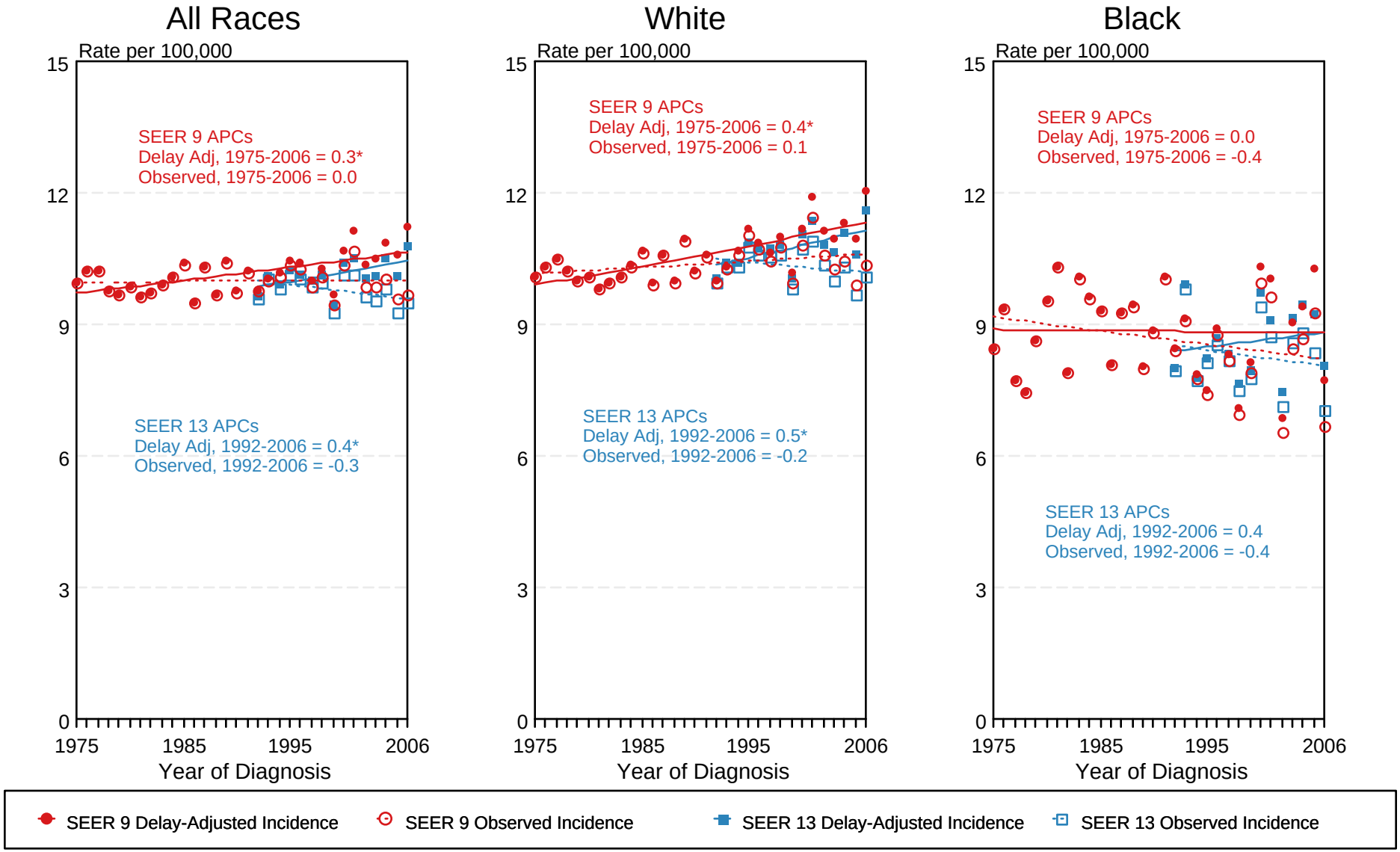


[a] Source: SEER 9 areas and SEER 13 areas.
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute.
The APC is the Annual Percent Change 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 13.4

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



[a] Source: SEER 9 areas and SEER 13 areas.
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, 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

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,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Both Sexes by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-1984	1.4*	1984-1999	4.6*	1999-2002	-0.4	2002-2006	5.4*			3.3*	5.4*
White	1975-1987	1.6*	1987-1998	5.4*	1998-2001	-1.1	2001-2006	4.7*			2.8	4.7*
Black	1975-2006	3.2*									3.2*	3.2*
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-1996	6.3*	1996-2006	2.9*							2.9*	2.9*
White	1992-1999	5.7*	1999-2002	-0.9	2002-2006	5.1*					3.2*	5.1*
Black	1992-2006	4.0*									4.0*	4.0*
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-1984	1.3	1984-1997	4.7*	1997-2006	2.5*					2.5*	2.5*
White	1975-1986	1.4*	1986-1997	5.0*	1997-2006	2.3*					2.3*	2.3*
Black	1975-2006	3.1*									3.1*	3.1*
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-1997	5.7*	1997-2006	2.3*							2.3*	2.3*
White	1992-1999	5.6*	1999-2002	-0.8	2002-2006	4.0*					2.7	4.0*
White NH[ef]	1992-1999	5.4*	1999-2002	-1.9	2002-2006	4.0*					2.3	4.0*
Black	1992-2006	3.7*									3.7*	3.7*
Black NH[ef]	1992-2006	3.8*									3.8*	3.8*
API[e]	1992-2006	0.6									0.6	0.6
AI/AN[eg]	1992-2006	1.7									1.7	1.7
Hispanic[f]	1992-2006	2.7*									2.7*	2.7*
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1980	0.2	1980-1987	2.0*	1987-1996	3.8*	1996-1999	0.4	1999-2006	2.3*	1.9*	2.3*
White	1975-1978	-1.2	1978-1987	1.6*	1987-1996	3.9*	1996-1999	0.3	1999-2006	2.4*	1.9*	2.4*
Black	1975-1988	0.8*	1988-1995	3.2*	1995-2000	0.3	2000-2006	2.7*			1.9*	2.7*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-1996	3.5*	1996-1999	0.5	1999-2006	2.3*					1.9*	2.3*
White	1992-1996	3.4*	1996-2000	0.9	2000-2006	2.5*					2.0*	2.5*
White NH[ef]	1992-1996	3.6*	1996-1999	0.1	1999-2006	2.2*					1.8*	2.2*
Black	1992-2006	1.7*									1.7*	1.7*
Black NH[ef]	1992-2006	2.0*									2.0*	2.0*
API[e]	1992-2006	-0.7*									-0.7*	-0.7*
AI/AN[eg]	1992-2006	1.9									1.9*	1.9*
Hispanic[f]	1992-2006	1.7*									1.7*	1.7*

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

Table 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,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Males by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-2006	3.6*									3.6*	3.6*
White	1975-1987	1.5	1987-1991	7.9	1991-2006	3.3*					3.3*	3.3*
Black	1975-2006	3.3*									3.3*	3.3*
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-2006	3.3*									3.3*	3.3*
White	1992-2006	3.4*									3.4*	3.4*
Black	1992-2006	4.3*									4.3*	4.3*
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-1986	2.1*	1986-1996	4.9*	1996-2006	2.6*					2.6*	2.6*
White	1975-1987	1.8*	1987-1996	5.4*	1996-2006	2.6*					2.6*	2.6*
Black	1975-2006	3.3*									3.3*	3.3*
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-1998	4.7*	1998-2006	2.2*							2.4*	2.2*
White	1992-2006	3.2*									3.2*	3.2*
White NH[ef]	1992-2006	2.8*									2.8*	2.8*
Black	1992-2006	4.0*									4.0*	4.0*
Black NH[ef]	1992-2006	4.1*									4.1*	4.1*
API[e]	1992-2006	0.6									0.6	0.6
AI/AN[eg]	1992-2006	1.7									1.7	1.7
Hispanic[f]	1992-2006	2.4*									2.4*	2.4*
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1979	0.3	1979-1987	2.3*	1987-1996	3.9*	1996-1999	0.5	1999-2006	2.4*	2.0*	2.4*
White	1975-1984	1.1*	1984-1995	3.7*	1995-2006	2.0*					2.0*	2.0*
Black	1975-2006	1.8*									1.8*	1.8*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-2006	2.1*									2.1*	2.1*
White	1992-2006	2.2*									2.2*	2.2*
White NH[ef]	1992-2006	2.1*									2.1*	2.1*
Black	1992-2006	2.1*									2.1*	2.1*
Black NH[ef]	1992-2006	2.3*									2.3*	2.3*
API[e]	1992-2006	-1.0*									-1.0*	-1.0*
AI/AN[eg]	1992-2006	1.0									1.0	1.0
Hispanic[f]	1992-2006	1.5*									1.5*	1.5*

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

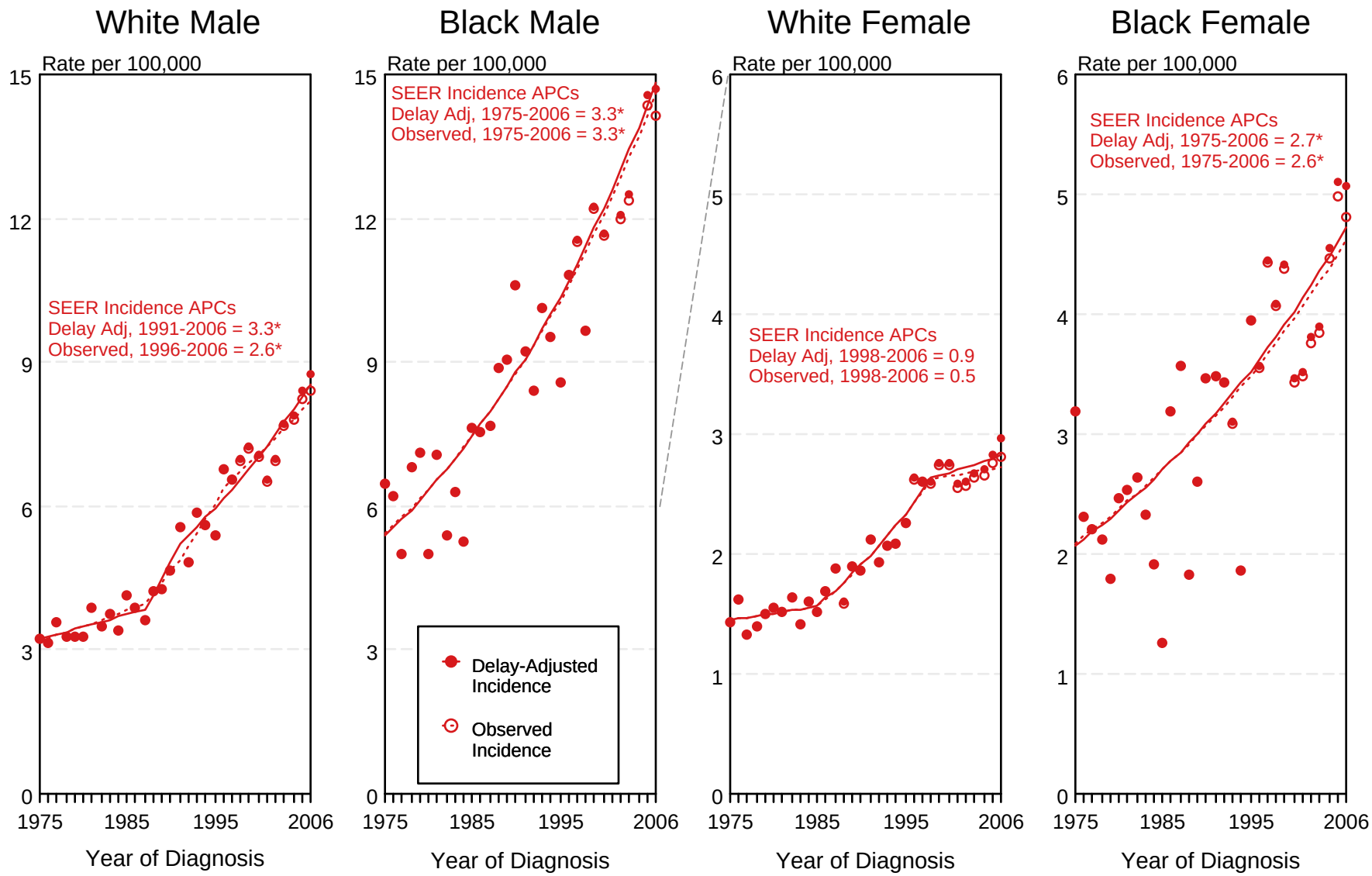
Table 14.3
Cancer of the Liver and Intrahepatic Bile Duct (Invasive)

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Females by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-1983	0.5	1983-1997	4.3*	1997-2006	2.0*					2.0*	2.0*
White	1975-1985	0.8	1985-1998	4.1*	1998-2006	0.9					1.2	0.9
Black	1975-2006	2.7*									2.7*	2.7*
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-2006	3.1*									3.1*	3.1*
White	1992-1997	7.4*	1997-2006	1.2*							1.2*	1.2*
Black	1992-2006	3.2*									3.2*	3.2*
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-1983	0.4	1983-1997	4.4*	1997-2006	1.6*					1.6*	1.6*
White	1975-1985	0.8	1985-1998	4.1*	1998-2006	0.5					0.9	0.5
Black	1975-2006	2.6*									2.6*	2.6*
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-1997	6.4*	1997-2006	1.4*							1.4*	1.4*
White	1992-1998	6.5*	1998-2006	0.2							0.9	0.2
White NH[ef]	1992-1998	6.0*	1998-2006	-0.4							0.3	-0.4
Black	1992-2006	2.8*									2.8*	2.8*
Black NH[ef]	1992-2006	2.8*									2.8*	2.8*
API[e]	1992-2006	0.7									0.7	0.7
AI/AN[eg]	1992-2006	1.0									1.0	1.0
Hispanic[f]	1992-2006	2.6*									2.6*	2.6*
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1978	-1.5	1978-1988	1.4*	1988-1995	4.0*	1995-2000	0.2	2000-2006	1.8*	1.3*	1.8*
White	1975-1978	-1.9	1978-1988	1.2*	1988-1996	3.6*	1996-2000	-0.7	2000-2006	2.1*	1.2*	2.1*
Black	1975-1995	2.0*	1995-2006	0.6							0.6	0.6
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-1995	3.8*	1995-2001	0.4	2001-2006	2.0*					1.3*	2.0*
White	1992-1996	3.2*	1996-2000	-0.5	2000-2006	2.1*					1.2*	2.1*
White NH[ef]	1992-1996	3.3*	1996-2000	-1.1	2000-2006	1.9*					0.9	1.9*
Black	1992-2006	0.7									0.7*	0.7*
Black NH[ef]	1992-2006	0.9*									0.9*	0.9*
API[e]	1992-2006	-0.2									-0.2	-0.2
AI/AN[eg]	1992-2006	2.5									2.5	2.5
Hispanic[f]	1992-2006	1.6*									1.6*	1.6*

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

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

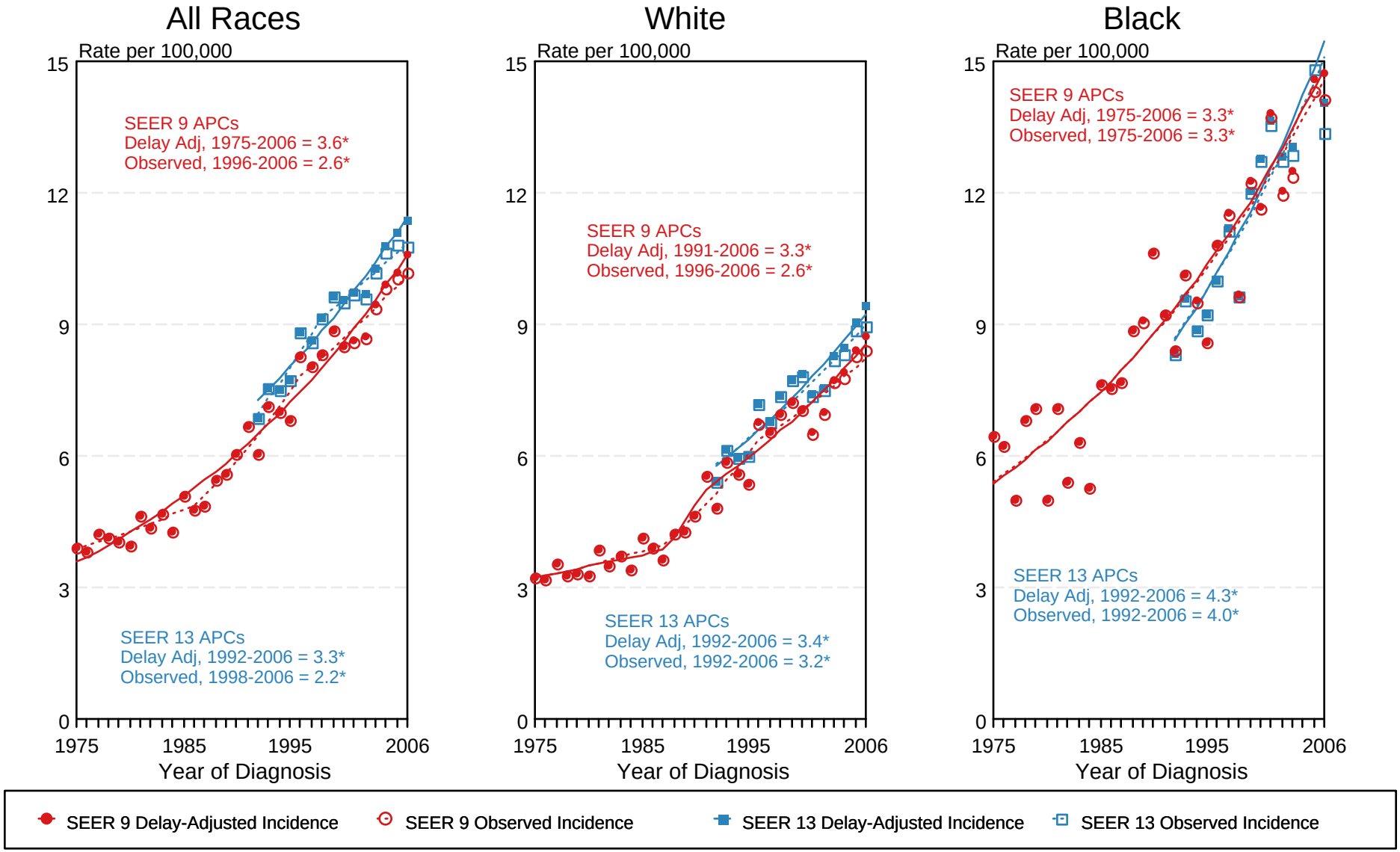


[a] Source: SEER 9 areas. Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute.
The APC is the Annual Percent Change for the regression 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 14.1

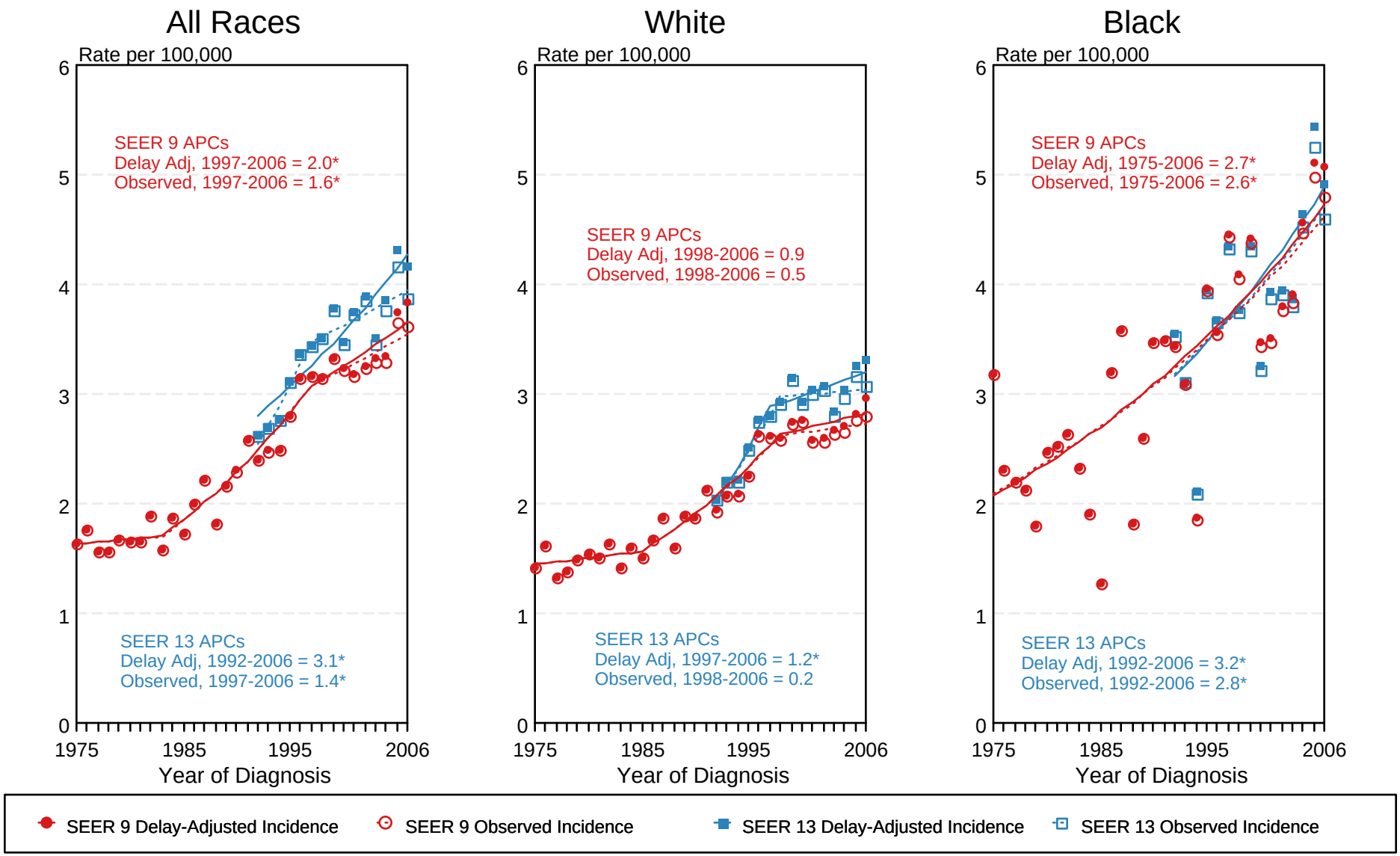
SEER Observed Incidence and SEER Delay Adjusted Incidence Rates[a]
SEER 9 Areas Compared to SEER 13 Areas
Cancer of the Liver and Intrahepatic Bile Duct, Male, by Race



[a] Source: SEER 9 areas and SEER 13 areas.
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, 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, Female, by Race



[a] Source: SEER 9 areas and SEER 13 areas.
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, 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

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,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Both Sexes by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-1982	2.5*	1982-1991	1.0*	1991-2006	-0.8*					-0.8*	-0.8*
White	1975-1982	2.5*	1982-1991	1.1*	1991-2006	-0.6*					-0.6*	-0.6*
Black	1975-1985	3.2*	1985-2006	-0.9*							-0.9*	-0.9*
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-2006	-1.1*									-1.1*	-1.1*
White	1992-2006	-1.0*									-1.0*	-1.0*
Black	1992-2006	-1.3*									-1.3*	-1.3*
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-1982	2.5*	1982-1991	1.0*	1991-2006	-0.8*					-0.8*	-0.8*
White	1975-1987	2.0*	1987-1998	-0.1	1998-2006	-1.1*					-1.0*	-1.1*
Black	1975-1986	2.8*	1986-2006	-1.1*							-1.1*	-1.1*
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-2006	-1.2*									-1.2*	-1.2*
White	1992-1998	-0.5	1998-2006	-1.5*							-1.4*	-1.5*
White NH[ef]	1992-1998	-0.4	1998-2006	-1.2*							-1.1*	-1.2*
Black	1992-2006	-1.4*									-1.4*	-1.4*
Black NH[ef]	1992-2006	-1.4*									-1.4*	-1.4*
API[e]	1992-2006	-0.7*									-0.7*	-0.7*
AI/AN[eg]	1992-2006	-0.3									-0.3	-0.3
Hispanic[f]	1992-2006	-1.8*									-1.8*	-1.8*
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1980	3.0*	1980-1990	1.8*	1990-1995	-0.2	1995-2006	-1.0*			-1.0*	-1.0*
White	1975-1980	2.9*	1980-1990	1.8*	1990-1995	-0.1	1995-2006	-0.9*			-0.9*	-0.9*
Black	1975-1981	3.5*	1981-1990	1.9*	1990-1996	-0.8*	1996-2006	-1.8*			-1.8*	-1.8*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-2006	-0.9*									-0.9*	-0.9*
White	1992-2006	-0.8*									-0.8*	-0.8*
White NH[ef]	1992-2006	-0.6*									-0.6*	-0.6*
Black	1992-1997	-1.1*	1997-2006	-1.8*							-1.8*	-1.8*
Black NH[ef]	1992-2006	-1.4*									-1.4*	-1.4*
API[e]	1992-2006	-1.3*									-1.3*	-1.3*
AI/AN[eg]	1992-2006	-0.2									-0.2	-0.2
Hispanic[f]	1992-1997	0.4	1997-2006	-2.1*							-2.1*	-2.1*

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

Table 15.2
Cancer of the Lung and Bronchus (Invasive)

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Males by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-1982	1.4*	1982-1991	-0.4	1991-2006	-1.8*					-1.8*	-1.8*
White	1975-1981	1.5*	1981-1990	-0.2	1990-2006	-1.7*					-1.7*	-1.7*
Black	1975-1984	2.9*	1984-1998	-1.4*	1998-2006	-3.3*					-3.1*	-3.3*
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-2006	-2.0*									-2.0*	-2.0*
White	1992-2006	-2.0*									-2.0*	-2.0*
Black	1992-2006	-2.6*									-2.6*	-2.6*
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-1982	1.4*	1982-1991	-0.4	1991-2006	-1.9*					-1.9*	-1.9*
White	1975-1981	1.4*	1981-1989	-0.1	1989-2003	-1.6*	2003-2006	-3.3*			-2.2*	-2.9*
Black	1975-1984	2.9*	1984-1998	-1.4*	1998-2006	-3.6*					-3.3*	-3.6*
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-2003	-1.9*	2003-2006	-3.3*							-2.4*	-3.0*
White	1992-2006	-2.1*									-2.1*	-2.1*
White NH[ef]	1992-2006	-1.9*									-1.9*	-1.9*
Black	1992-2006	-2.7*									-2.7*	-2.7*
Black NH[ef]	1992-2006	-2.7*									-2.7*	-2.7*
API[e]	1992-2006	-1.2*									-1.2*	-1.2*
AI/AN[eg]	1992-2006	-2.2*									-2.2*	-2.2*
Hispanic[f]	1992-2006	-2.3*									-2.3*	-2.3*
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1978	2.5*	1978-1984	1.2*	1984-1990	0.4*	1990-1994	-1.3*	1994-2006	-2.0*	-2.0*	-2.0*
White	1975-1982	1.7*	1982-1991	0.4*	1991-2006	-1.8*					-1.8*	-1.8*
Black	1975-1977	4.9*	1977-1984	2.3*	1984-1990	1.2*	1990-1995	-1.4*	1995-2006	-2.8*	-2.8*	-2.8*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-2006	-1.9*									-1.9*	-1.9*
White	1992-2006	-1.8*									-1.8*	-1.8*
White NH[ef]	1992-2006	-1.6*									-1.6*	-1.6*
Black	1992-1994	-0.8	1994-2006	-2.8*							-2.8*	-2.8*
Black NH[ef]	1992-2006	-2.5*									-2.5*	-2.5*
API[e]	1992-2006	-1.6*									-1.6*	-1.6*
AI/AN[eg]	1992-2006	-1.7*									-1.7*	-1.7*
Hispanic[f]	1992-1997	0.1	1997-2006	-3.1*							-3.1*	-3.1*

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

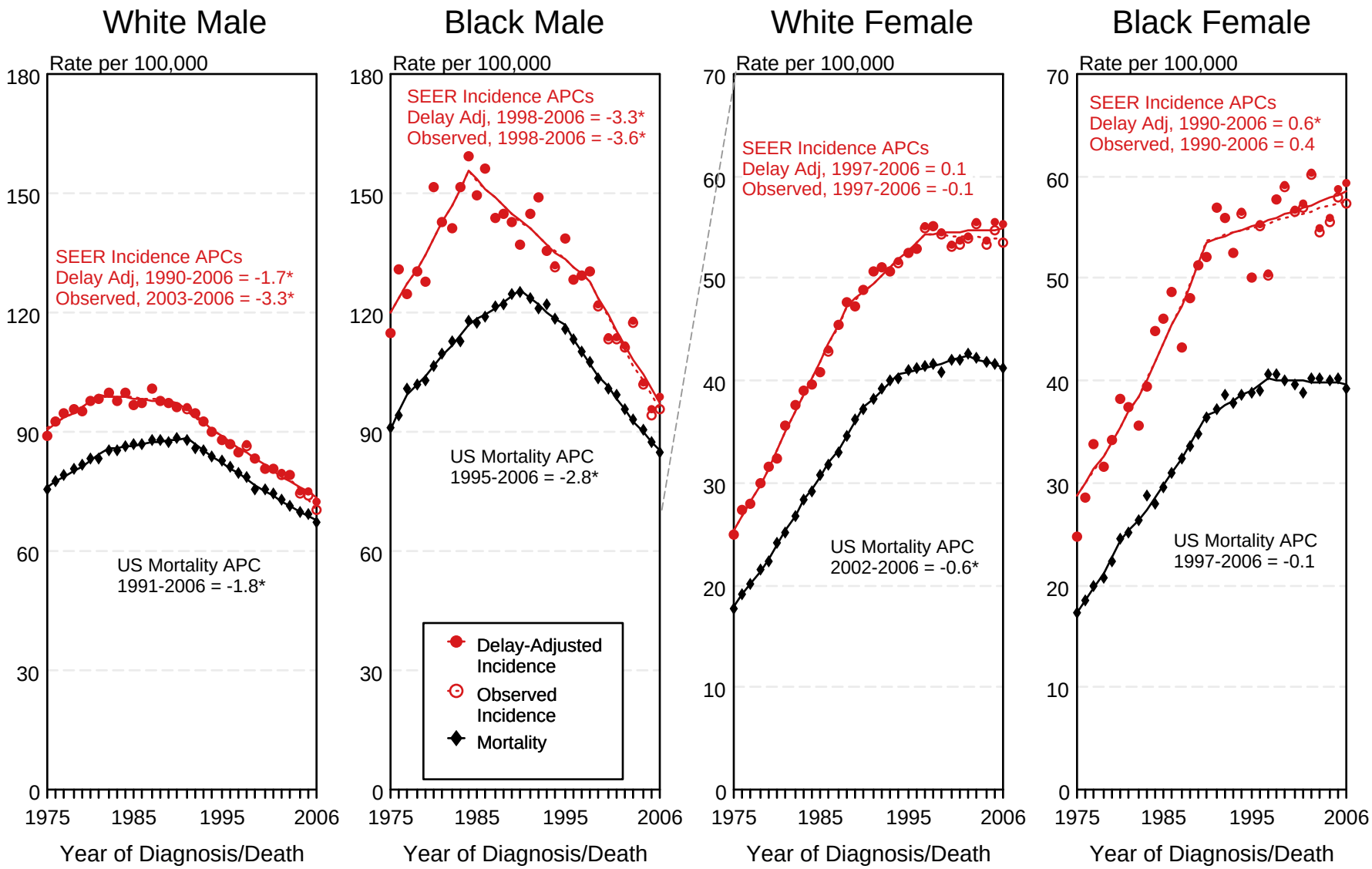
Table 15.3
Cancer of the Lung and Bronchus (Invasive)

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Females by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-1982	5.6*	1982-1991	3.4*	1991-2006	0.4*					0.4*	0.4*
White	1975-1982	5.6*	1982-1988	4.1*	1988-1997	1.6*	1997-2006	0.1			0.1	0.1
Black	1975-1990	4.2*	1990-2006	0.6*							0.6*	0.6*
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-1997	0.7	1997-2006	-0.3							-0.3*	-0.3*
White	1992-1997	1.0	1997-2006	-0.4*							-0.4*	-0.4*
Black	1992-2006	0.6*									0.6*	0.6*
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-1982	5.5*	1982-1990	3.5*	1990-1998	1.0*	1998-2006	-0.1			0.0	-0.1
White	1975-1982	5.6*	1982-1988	4.1*	1988-1997	1.6*	1997-2006	-0.1			-0.1	-0.1
Black	1975-1990	4.3*	1990-2006	0.4							0.4	0.4
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-1998	0.6	1998-2006	-0.6*							-0.5*	-0.6*
White	1992-1997	1.1*	1997-2006	-0.6*							-0.6*	-0.6*
White NH[ef]	1992-1997	1.3*	1997-2006	-0.4							-0.4	-0.4
Black	1992-2006	0.5									0.5*	0.5*
Black NH[ef]	1992-2006	0.5*									0.5*	0.5*
API[e]	1992-2006	0.4									0.4	0.4
AI/AN[eg]	1992-2006	2.2*									2.2*	2.2*
Hispanic[f]	1992-2006	-1.3*									-1.3*	-1.3*
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1982	6.0*	1982-1990	4.2*	1990-1995	1.7*	1995-2003	0.3*	2003-2006	-0.9	-0.1	-0.6
White	1975-1983	5.8*	1983-1990	4.1*	1990-1994	2.0*	1994-2002	0.5*	2002-2006	-0.6*	0.0	-0.6*
Black	1975-1980	7.1*	1980-1990	4.2*	1990-1997	1.3*	1997-2006	-0.1			-0.1	-0.1
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-2002	0.6*	2002-2006	-0.8							0.0	-0.8*
White	1992-2002	0.7*	2002-2006	-0.8							0.0	-0.8
White NH[ef]	1992-2002	0.9*	2002-2006	-0.5							0.3	-0.5
Black	1992-2006	0.3*									0.3*	0.3*
Black NH[ef]	1992-2006	0.5*									0.5*	0.5*
API[e]	1992-2006	-0.5									-0.5	-0.5
AI/AN[eg]	1992-2006	1.6*									1.6*	1.6*
Hispanic[f]	1992-2006	-0.3									-0.3	-0.3

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

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

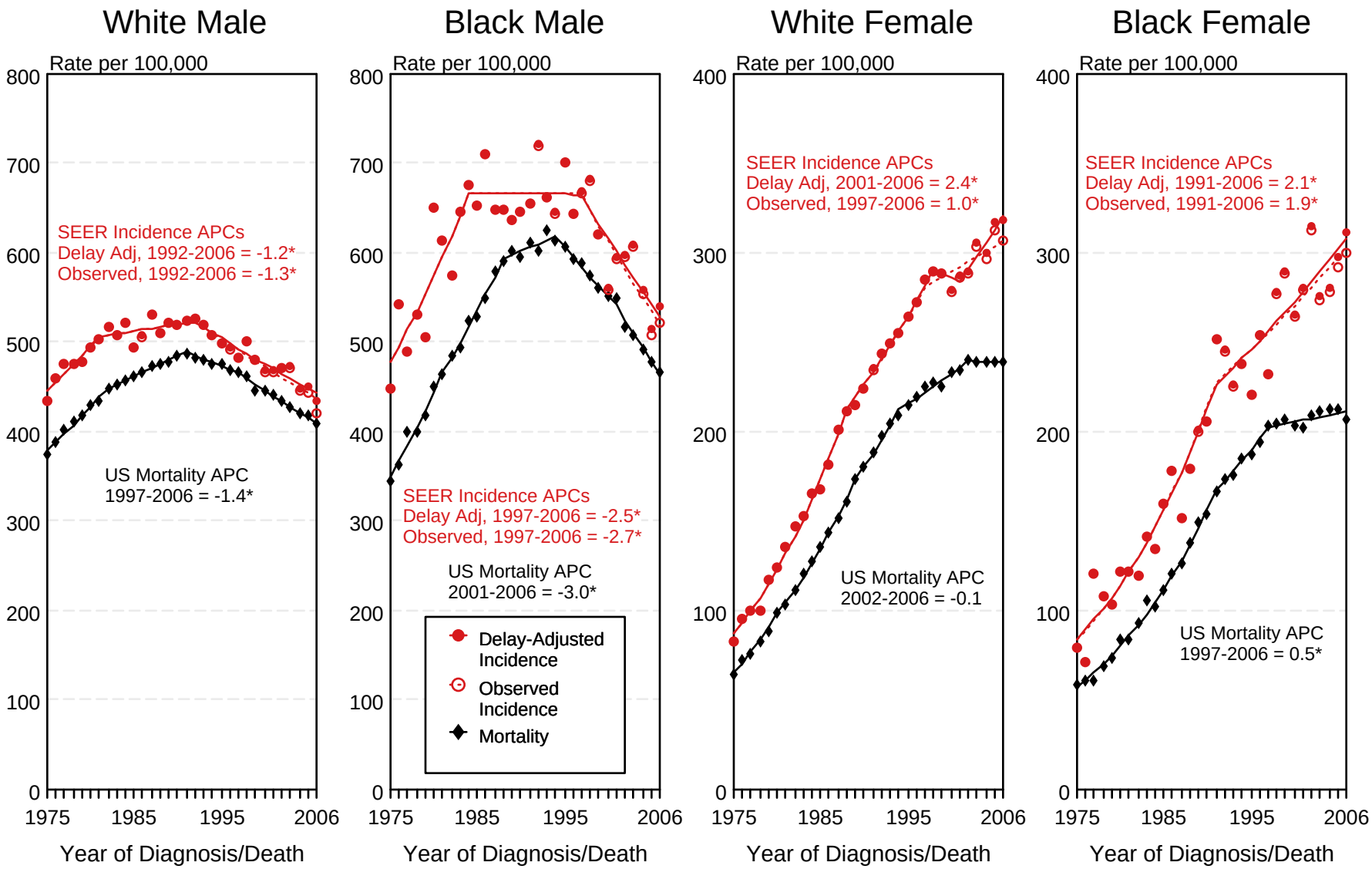


[a] Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer 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



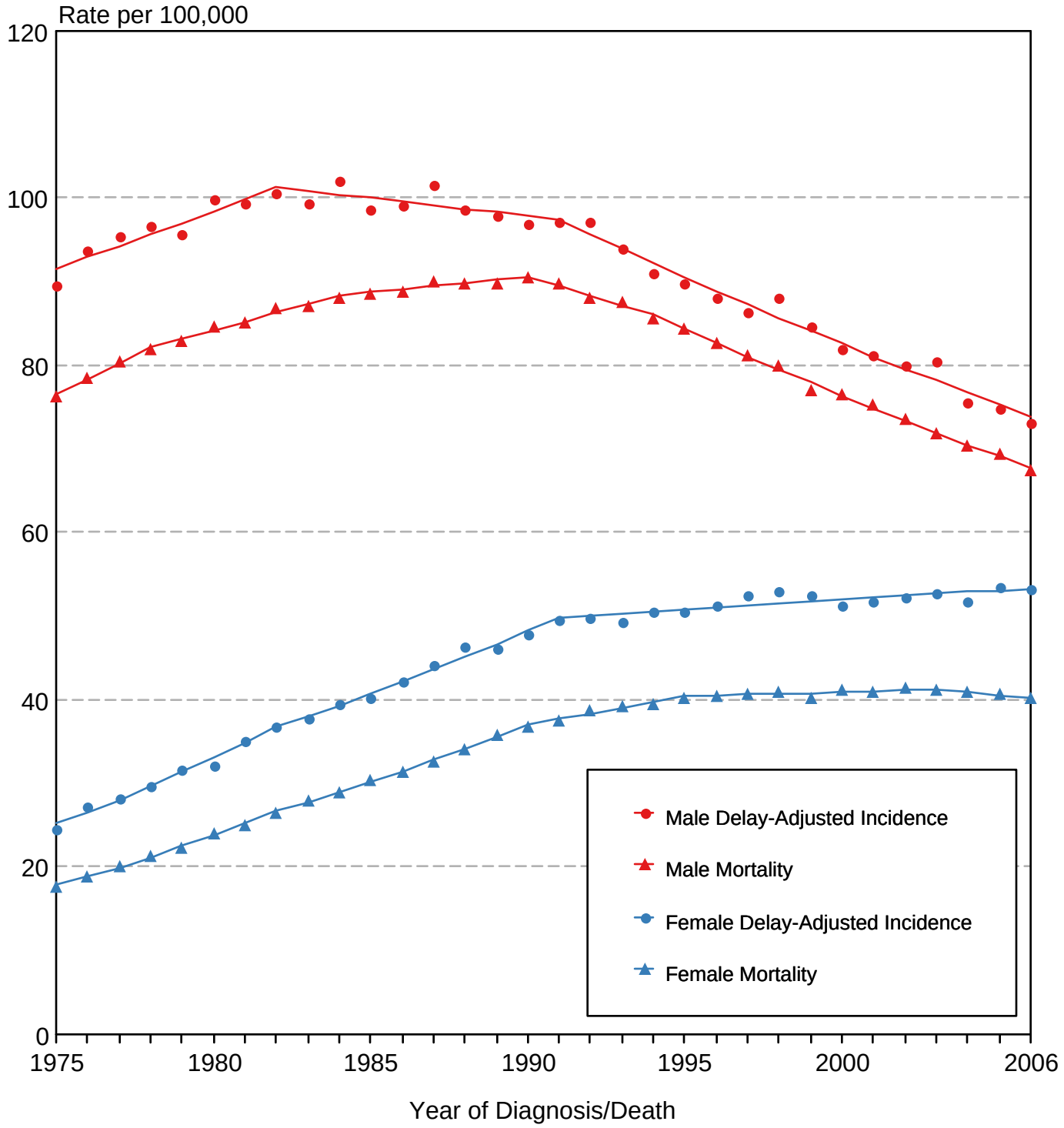
[a] Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer 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 15.3

Figure 15.5

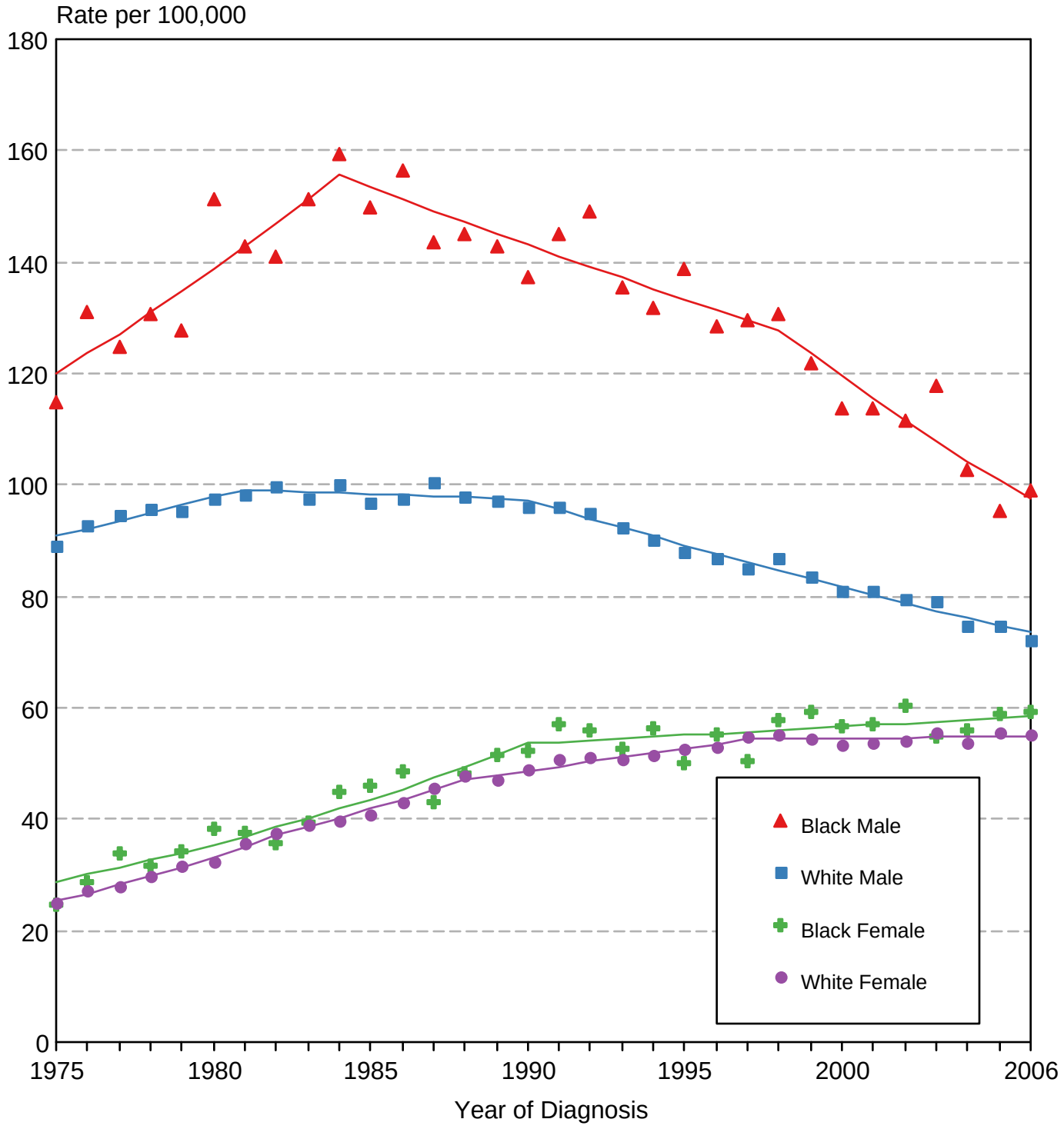
Cancer of the Lung & Bronchus SEER Delay-Adjusted Incidence & US Death Rates, 1975-2006, All Races, By Sex



Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute.

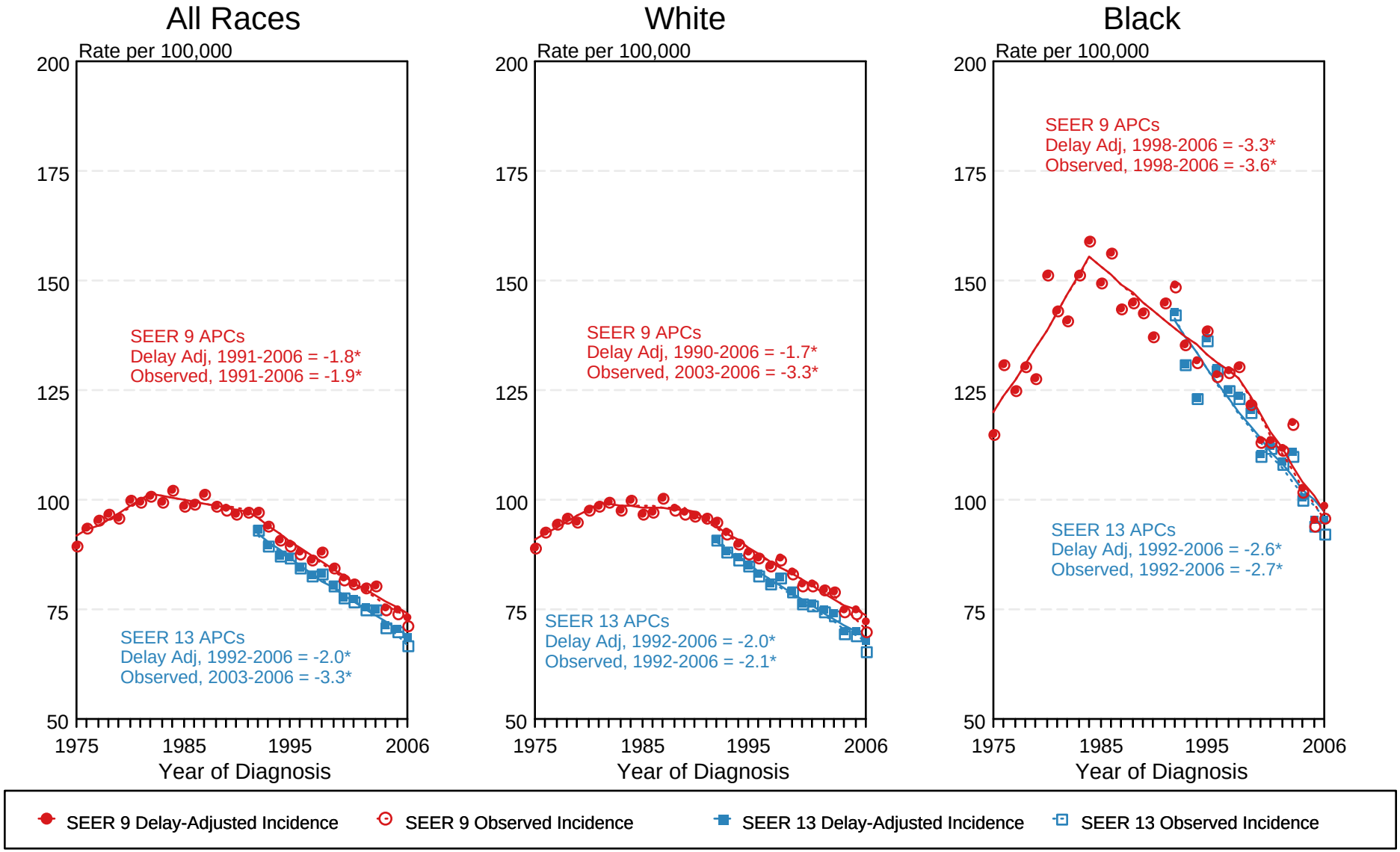
Figure 15.6

Cancer of the Lung & Bronchus
SEER Delay-Adjusted Incidence, 1975-2006
By Sex and Race



Source: SEER 9 areas. Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute.

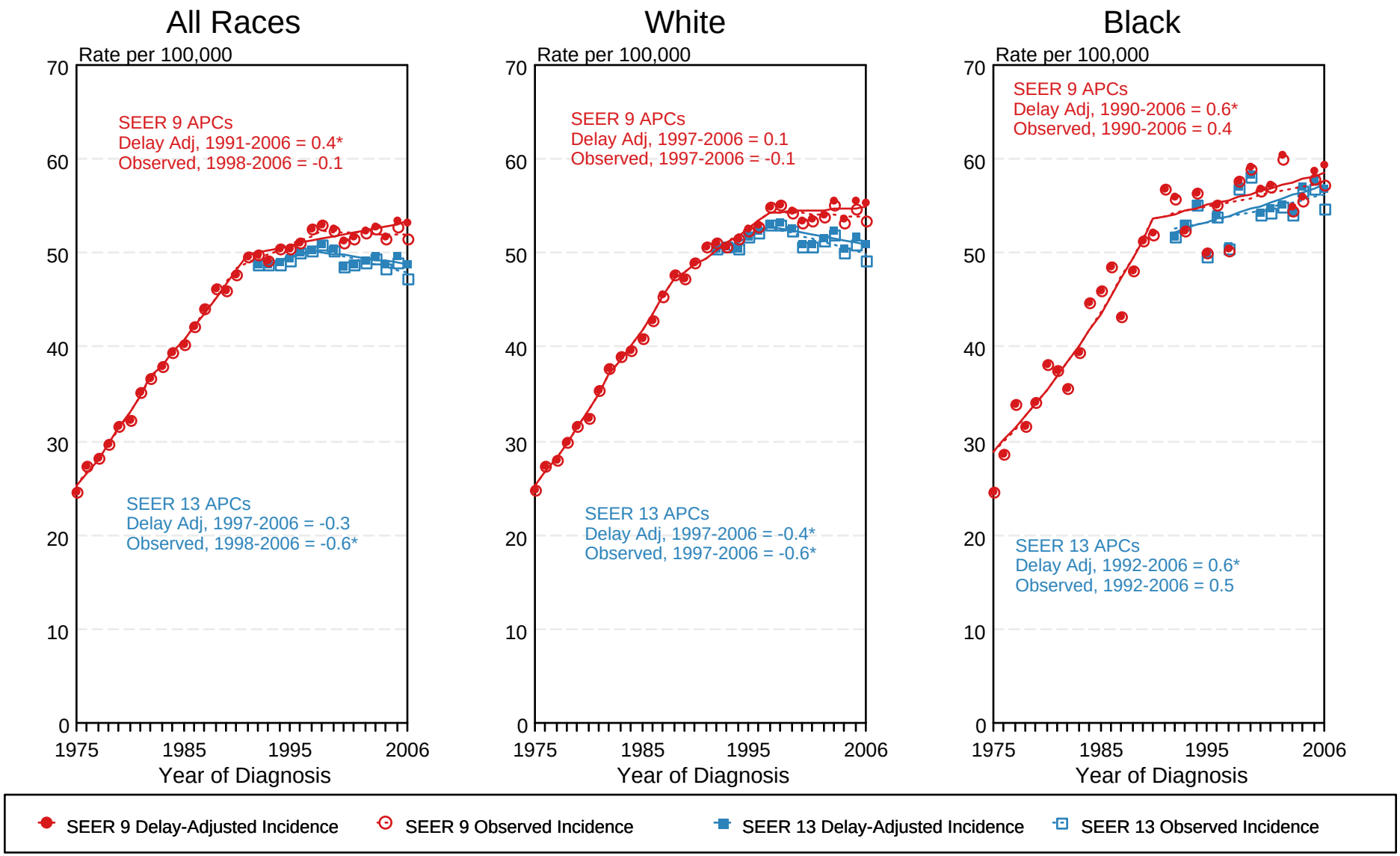
SEER Observed Incidence and SEER Delay Adjusted Incidence Rates[a]
SEER 9 Areas Compared to SEER 13 Areas
Cancer of the Lung and Bronchus, Male, by Race



[a] Source: SEER 9 areas and SEER 13 areas.
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, 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 15.7

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



[a] Source: SEER 9 areas and SEER 13 areas.
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, 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 15.8

Table 16.1
Melanoma of the Skin (Invasive)

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Both Sexes by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-1981	5.9*	1981-2006	2.9*							2.9*	2.9*
White	1975-1981	6.4*	1981-2006	3.2*							3.2*	3.2*
Black	-	-									-	-
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-2006	2.5*									2.5*	2.5*
White	1992-2006	3.0*									3.0*	3.0*
Black	-	-									-	-
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-1985	4.6*	1985-2006	2.6*							2.6*	2.6*
White	1975-1981	6.5*	1981-2006	3.1*							3.1*	3.1*
Black	1975-2006	-0.5									-0.5	-0.5
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-1996	4.6*	1996-2006	1.7*							1.7*	1.7*
White	1992-1996	5.2*	1996-2006	2.2*							2.2*	2.2*
White NH[ef]	1992-2006	3.2*									3.2*	3.2*
Black	1992-1995	31.7*	1995-2006	-5.1*							-5.1*	-5.1*
Black NH[ef]	1992-1994	59.8	1994-2006	-4.2*							-4.2*	-4.2*
API[e]	1992-2006	1.7									1.7	1.7
AI/AN[eg]	1992-2006	0.3									0.3	0.3
Hispanic[f]	1992-1999	4.5*	1999-2006	-1.9							-0.5	-1.9
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1977	4.7	1977-1990	1.4*	1990-2003	-0.3	2003-2006	1.1			0.2	0.8
White	1975-1977	5.0	1977-1990	1.5*	1990-2003	-0.1	2003-2006	1.3			0.4	0.9
Black	1975-2006	-0.7*									-0.7*	-0.7*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-2006	-0.1									-0.1	-0.1
White	1992-2006	0.1									0.1	0.1
White NH[ef]	1992-2006	0.3*									0.3*	0.3*
Black	1992-2006	-1.1									-1.1	-1.1
Black NH[ef]	1992-2006	-1.0									-1.0	-1.0
API[e]	1992-2006	-0.7									-0.7	-0.7
AI/AN[eg]	1992-2006	3.5									3.5	3.5
Hispanic[f]	1992-2006	-0.7									-0.7	-0.7

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

Table 16.2
Melanoma of the Skin (Invasive)

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Males by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-1986	5.4*	1986-2006	3.1*							3.1*	3.1*
White	1975-1986	5.8*	1986-2006	3.3*							3.3*	3.3*
Black	-	-									-	-
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-2006	2.6*									2.6*	2.6*
White	1992-2006	3.0*									3.0*	3.0*
Black	-	-									-	-
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-1986	5.5*	1986-2006	2.9*							2.9*	2.9*
White	1975-1986	5.8*	1986-2006	3.1*							3.1*	3.1*
Black	1975-2006	0.2									0.2	0.2
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-1996	5.0*	1996-2006	1.7*							1.7*	1.7*
White	1992-2006	2.7*									2.7*	2.7*
White NH[ef]	1992-2006	3.1*									3.1*	3.1*
Black	1992-1995	71.0*	1995-2006	-8.4*							-8.4*	-8.4*
Black NH[ef]	1992-1995	71.4*	1995-2006	-8.2*							-8.2*	-8.2*
API[e]	1992-2006	1.7									1.7	1.7
AI/AN[eg]	1992-2006	1.7									1.7	1.7
Hispanic[f]	1992-2006	1.6									1.6*	1.6*
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1987	2.4*	1987-1998	0.7*	1998-2002	-1.5	2002-2006	2.0*			0.3	2.0*
White	1975-1987	2.6*	1987-1998	0.8*	1998-2002	-1.3	2002-2006	2.1*			0.4	2.1*
Black	1975-2006	-0.9*									-0.9*	-0.9*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-1998	0.7*	1998-2002	-1.4	2002-2006	2.0*					0.3	2.0*
White	1992-2006	0.3									0.3	0.3
White NH[ef]	1992-2006	0.5*									0.5*	0.5*
Black	1992-2006	0.4									0.4	0.4
Black NH[ef]	1992-2006	0.0									0.0	0.0
API[e]	1992-2006	-1.2									-1.2	-1.2
AI/AN[eg]	1992-2006	6.8*									6.8*	6.8*
Hispanic[f]	1992-2006	-0.7									-0.7	-0.7

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

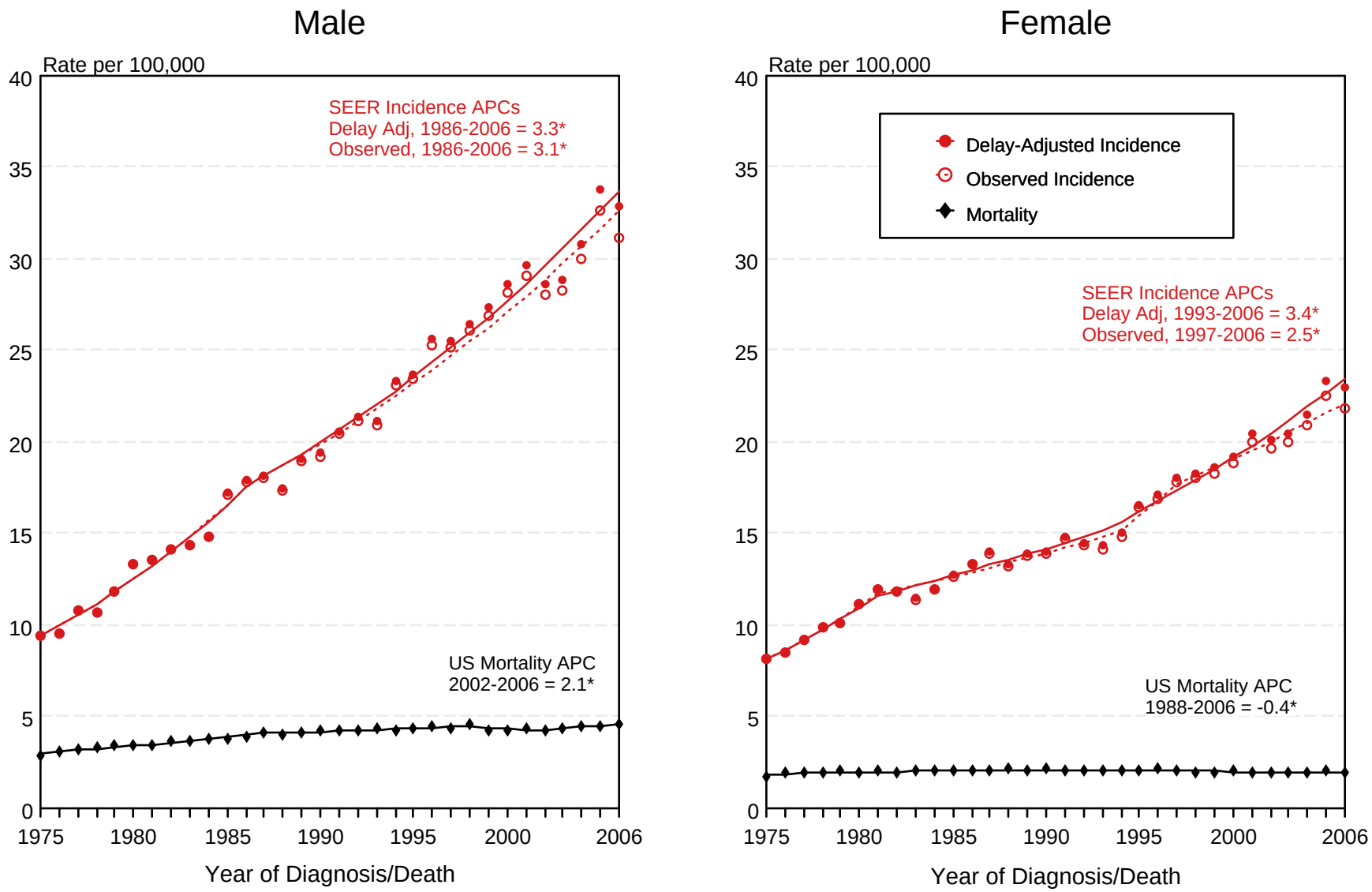
Table 16.3
Melanoma of the Skin (Invasive)

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Females by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-1981	5.7*	1981-1993	1.9*	1993-2006	3.0*					3.0*	3.0*
White	1975-1981	6.1*	1981-1993	2.2*	1993-2006	3.4*					3.4*	3.4*
Black	-	-									-	-
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-2006	2.4*									2.4*	2.4*
White	1992-2006	3.0*									3.0*	3.0*
Black	-	-									-	-
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-1980	5.6*	1980-2006	2.4*							2.4*	2.4*
White	1975-1981	6.3*	1981-1994	2.0*	1994-1997	5.3	1997-2006	2.5*			2.5*	2.5*
Black	1975-2006	-1.0									-1.0*	-1.0*
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-2006	2.2*									2.2*	2.2*
White	1992-2006	2.8*									2.8*	2.8*
White NH[ef]	1992-2006	3.4*									3.4*	3.4*
Black	1992-2006	-0.9									-0.9	-0.9
Black NH[ef]	1992-2006	-1.0									-1.0	-1.0
API[e]	1992-2006	1.9									1.9	1.9
AI/AN[eg]	1992-2006	0.2									0.2	0.2
Hispanic[f]	1992-2006	0.6									0.6	0.6
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1988	0.8*	1988-2006	-0.6*							-0.6*	-0.6*
White	1975-1988	0.9*	1988-2006	-0.4*							-0.4*	-0.4*
Black	1975-2006	-0.6									-0.6	-0.6
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-2006	-0.5*									-0.5*	-0.5*
White	1992-2006	-0.3*									-0.3*	-0.3*
White NH[ef]	1992-2006	-0.1									-0.1	-0.1
Black	1992-2006	-2.1									-2.1*	-2.1*
Black NH[ef]	1992-2006	-1.7									-1.7	-1.7
API[e]	1992-2006	0.2									0.2	0.2
AI/AN[eg]	-	-									-	-
Hispanic[f]	1992-2006	-0.9									-0.9	-0.9

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

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

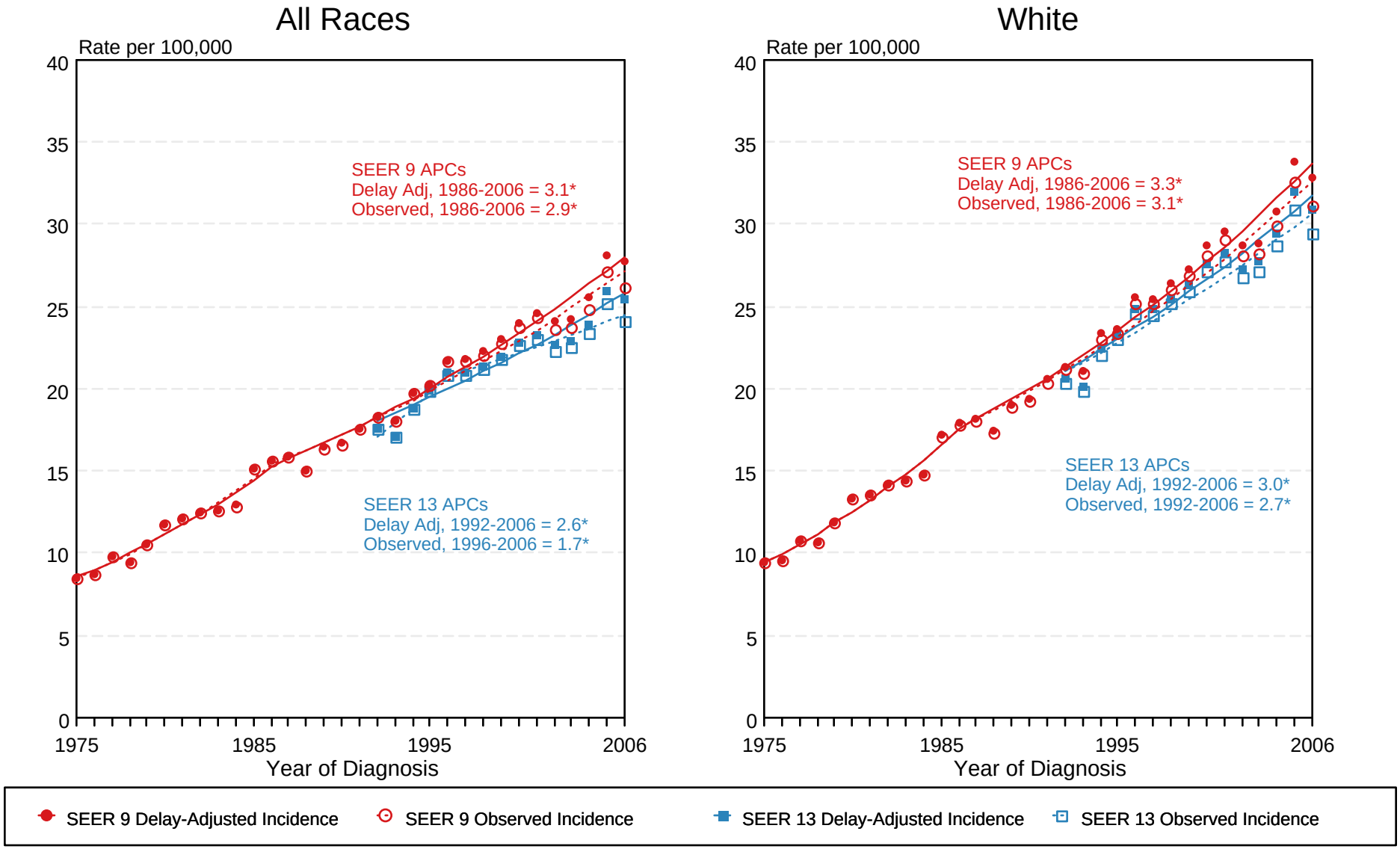


[a] Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer 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 16.1

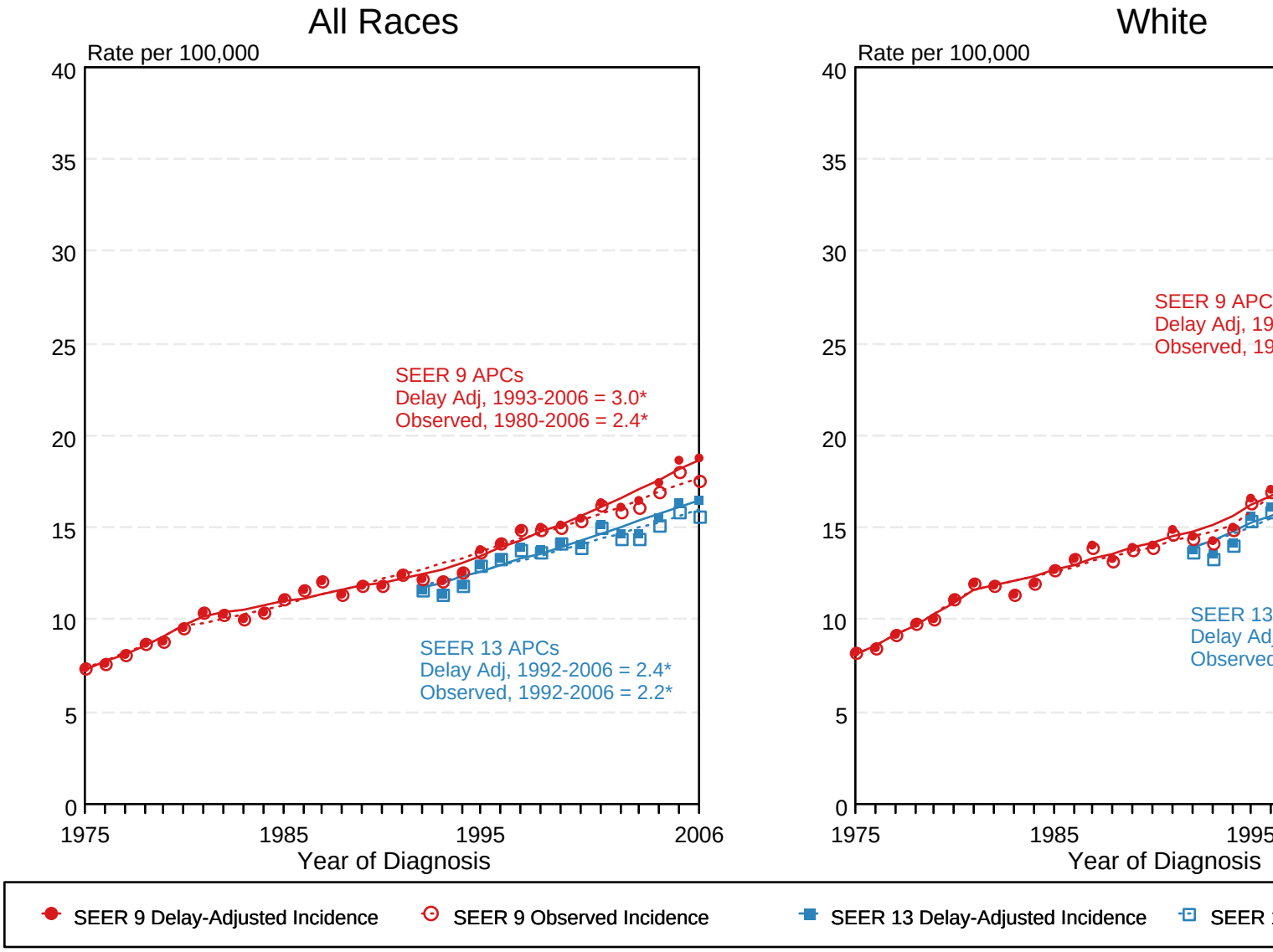
SEER Observed Incidence and SEER Delay Adjusted Incidence Rates[a]
SEER 9 Areas Compared to SEER 13 Areas
Melanoma of the Skin, Male, by Race



[a] Source: SEER 9 areas and SEER 13 areas.
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, 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 Incidenc
SEER 9 Areas Compared to SEER 13 Areas
Melanoma of the Skin, Female, by Race



[a] Source: SEER 9 areas and SEER 13 areas.
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute.
The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.

Table 18.1
Myeloma

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Both Sexes by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-1991	1.2*	1991-2006	0.2							0.2	0.2
White	1975-2006	0.7*									0.7*	0.7*
Black	1975-2006	0.7*									0.7*	0.7*
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-2006	0.2									0.2	0.2
White	1992-2006	0.2									0.2	0.2
Black	1992-2006	0.2									0.2	0.2
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-1997	1.0*	1997-2006	-0.8							-0.8*	-0.8*
White	1975-1997	1.0*	1997-2006	-0.7							-0.7	-0.7
Black	1975-1994	1.3*	1994-2006	-0.8							-0.8	-0.8
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-2006	-0.3									-0.3	-0.3
White	1992-2006	-0.2									-0.2	-0.2
White NH[ef]	1992-2006	-0.2									-0.2	-0.2
Black	1992-2006	-0.3									-0.3	-0.3
Black NH[ef]	1992-2006	-0.3									-0.3	-0.3
API[e]	1992-2006	-0.7									-0.7	-0.7
AI/AN[eg]	1992-2006	1.2									1.2	1.2
Hispanic[f]	1992-2006	-0.4									-0.4	-0.4
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1994	1.4*	1994-2002	-0.7*	2002-2006	-2.0*					-1.3*	-2.0*
White	1975-1994	1.4*	1994-2002	-0.6*	2002-2006	-1.9*					-1.2*	-1.9*
Black	1975-1982	3.4*	1982-1996	1.2*	1996-2006	-1.9*					-1.9*	-1.9*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-1994	2.0	1994-2002	-0.7*	2002-2006	-2.0*					-1.3*	-2.0*
White	1992-1994	2.0	1994-2002	-0.6*	2002-2006	-1.9*					-1.2*	-1.9*
White NH[ef]	1992-1994	1.8	1994-2002	-0.5	2002-2006	-1.9*					-1.1*	-1.9*
Black	1992-1998	0.1	1998-2006	-2.1*							-1.9*	-2.1*
Black NH[ef]	1992-1996	1.7	1996-2006	-1.8*							-1.8*	-1.8*
API[e]	1992-2006	-1.3*									-1.3*	-1.3*
AI/AN[eg]	1992-2006	-0.5									-0.5	-0.5
Hispanic[f]	1992-2006	-0.4									-0.4	-0.4

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

Table 18.2
Myeloma

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Males by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-2006	0.7*									0.7*	0.7*
White	1975-2006	0.8*									0.8*	0.8*
Black	1975-2006	0.5*									0.5*	0.5*
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-2006	0.1									0.1	0.1
White	1992-2006	0.2									0.2	0.2
Black	1992-2006	0.5									0.5	0.5
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-2002	0.8*	2002-2006	-3.0							-0.9	-3.0
White	1975-2002	0.9*	2002-2006	-3.2							-0.9	-3.2
Black	1975-2006	0.3									0.3	0.3
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-2006	-0.3									-0.3	-0.3
White	1992-2006	-0.3									-0.3	-0.3
White NH[ef]	1992-2006	-0.2									-0.2	-0.2
Black	1992-2006	0.0									0.0	0.0
Black NH[ef]	1992-2006	0.0									0.0	0.0
API[e]	1992-2006	-1.4									-1.4*	-1.4*
AI/AN[eg]	1992-2006	-1.3									-1.3	-1.3
Hispanic[f]	1992-2006	-0.7									-0.7	-0.7
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1994	1.5*	1994-2006	-1.1*							-1.1*	-1.1*
White	1975-1994	1.5*	1994-2006	-0.9*							-0.9*	-0.9*
Black	1975-1982	3.7*	1982-1994	1.2*	1994-2006	-1.6*					-1.6*	-1.6*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-1994	3.2	1994-2006	-1.1*							-1.1*	-1.1*
White	1992-1994	3.5	1994-2006	-1.0*							-1.0*	-1.0*
White NH[ef]	1992-1994	4.4	1994-2006	-1.0*							-1.0*	-1.0*
Black	1992-2006	-1.3*									-1.3*	-1.3*
Black NH[ef]	1992-1994	4.2	1994-2006	-1.5*							-1.5*	-1.5*
API[e]	1992-2006	-2.1*									-2.1*	-2.1*
AI/AN[eg]	1992-2006	-0.4									-0.4	-0.4
Hispanic[f]	1992-2006	-1.0									-1.0	-1.0

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

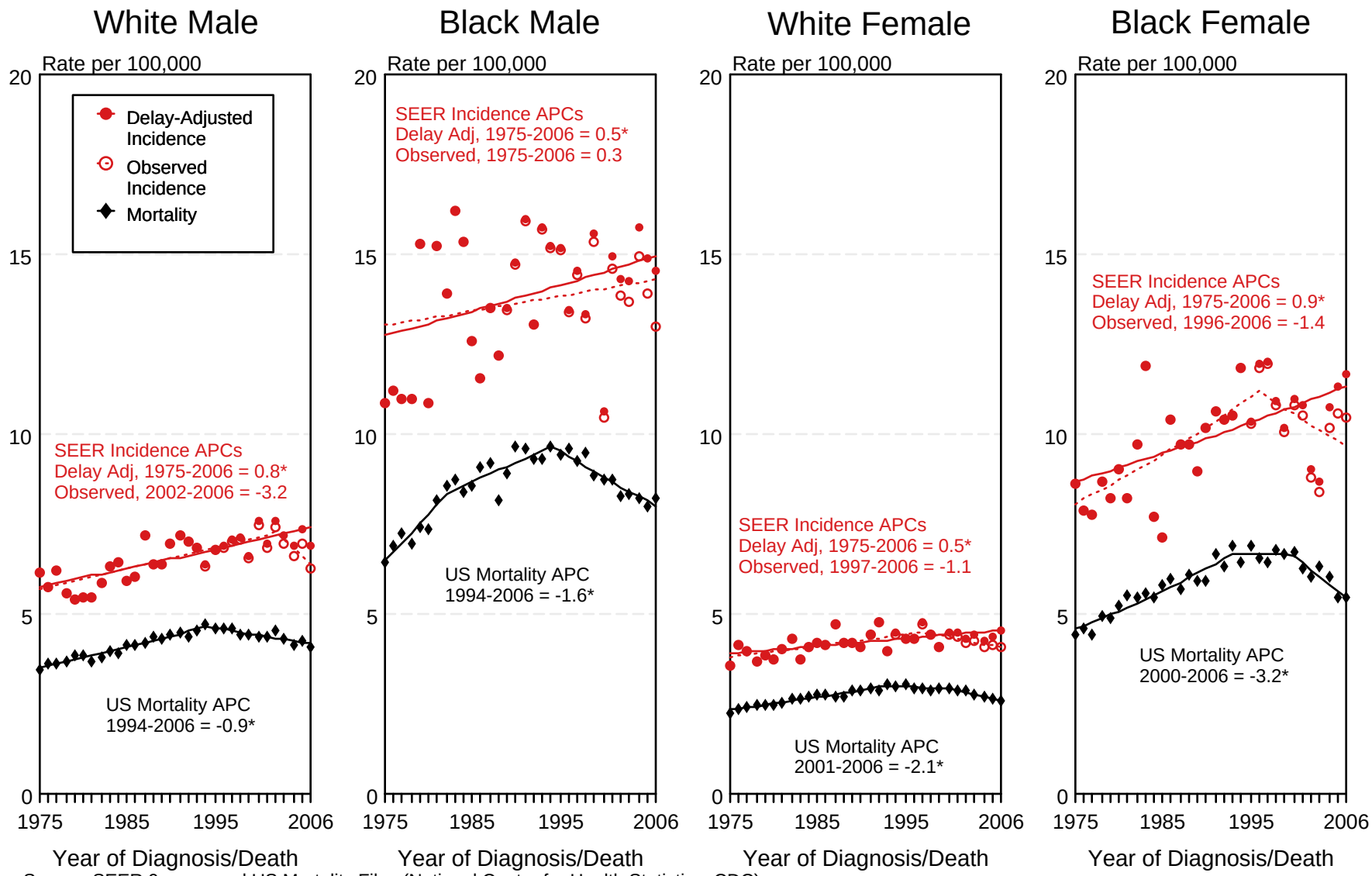
Table 18.3
Myeloma

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Females by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-2006	0.6*									0.6*	0.6*
White	1975-2006	0.5*									0.5*	0.5*
Black	1975-2006	0.9*									0.9*	0.9*
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-2006	0.1									0.1	0.1
White	1992-2006	0.0									0.0	0.0
Black	1992-2006	-0.1									-0.1	-0.1
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-1997	0.9*	1997-2006	-1.1							-1.1*	-1.1*
White	1975-1997	0.8*	1997-2006	-1.1							-1.1	-1.1
Black	1975-1996	1.6*	1996-2006	-1.4							-1.4	-1.4
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-2006	-0.3									-0.3	-0.3
White	1992-2006	-0.4									-0.4	-0.4
White NH[ef]	1992-2006	-0.5									-0.5	-0.5
Black	1992-2006	-0.7									-0.7	-0.7
Black NH[ef]	1992-2006	-0.7									-0.7	-0.7
API[e]	1992-2006	0.3									0.3	0.3
AI/AN[eg]	1992-2006	3.6									3.6	3.6
Hispanic[f]	1992-2006	-0.1									-0.1	-0.1
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1993	1.5*	1993-2001	-0.4	2001-2006	-2.4*					-1.5*	-2.4*
White	1975-1993	1.4*	1993-2001	-0.5	2001-2006	-2.1*					-1.4*	-2.1*
Black	1975-1993	2.1*	1993-2000	-0.1	2000-2006	-3.2*					-2.1*	-3.2*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-2000	-0.1	2000-2006	-2.2*							-1.5*	-2.2*
White	1992-2001	-0.3	2001-2006	-2.2*							-1.4*	-2.2*
White NH[ef]	1992-2001	-0.3	2001-2006	-2.2*							-1.3*	-2.2*
Black	1992-2000	0.2	2000-2006	-3.3*							-2.1*	-3.3*
Black NH[ef]	1992-1999	0.7	1999-2006	-2.9*							-2.1*	-2.9*
API[e]	1992-2006	-0.4									-0.4	-0.4
AI/AN[eg]	1992-2006	-0.9									-0.9	-0.9
Hispanic[f]	1992-1996	7.2	1996-2006	-1.5*							-1.5*	-1.5*

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

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



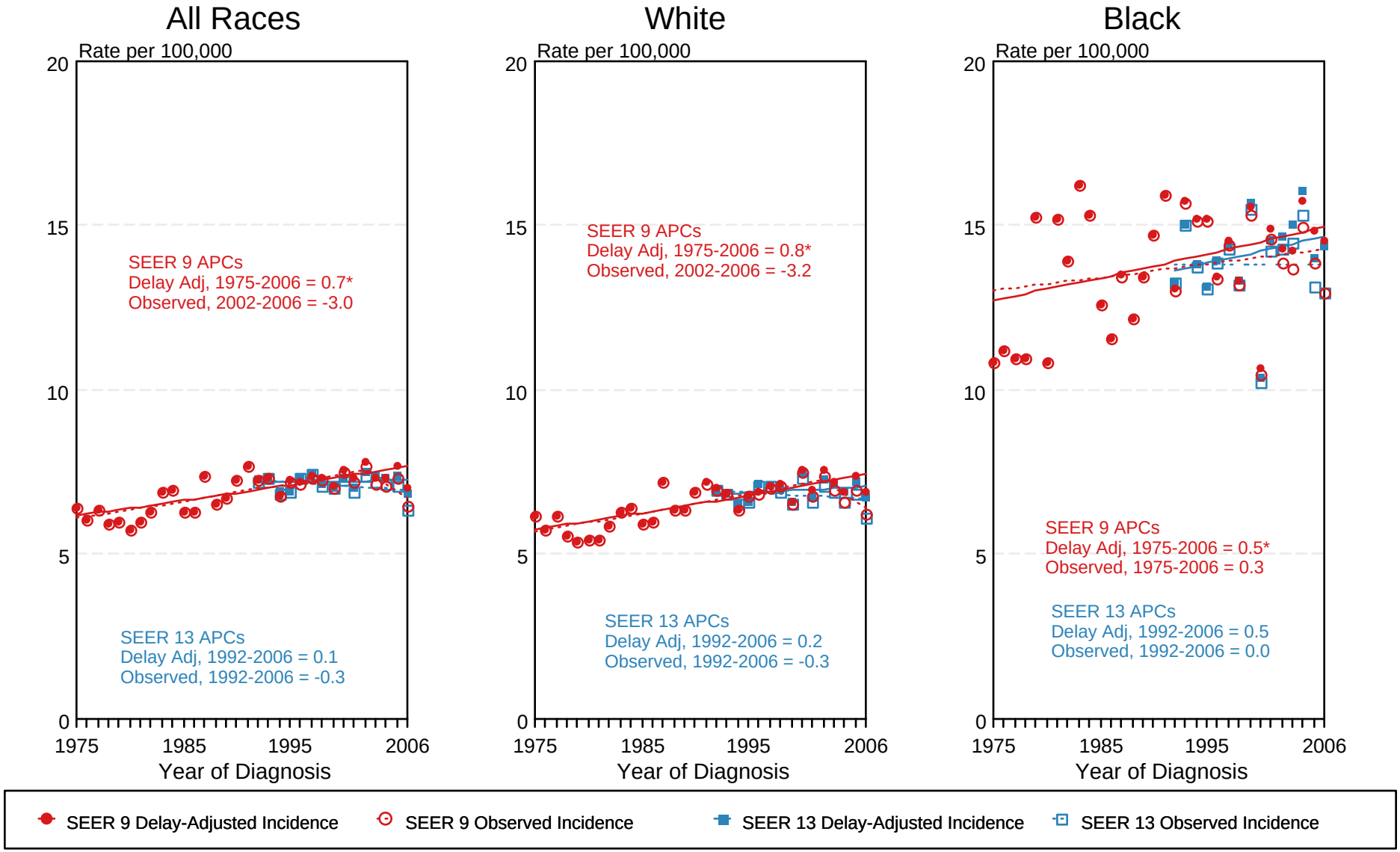
Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).

[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 3.3.1, April 2008, 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

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

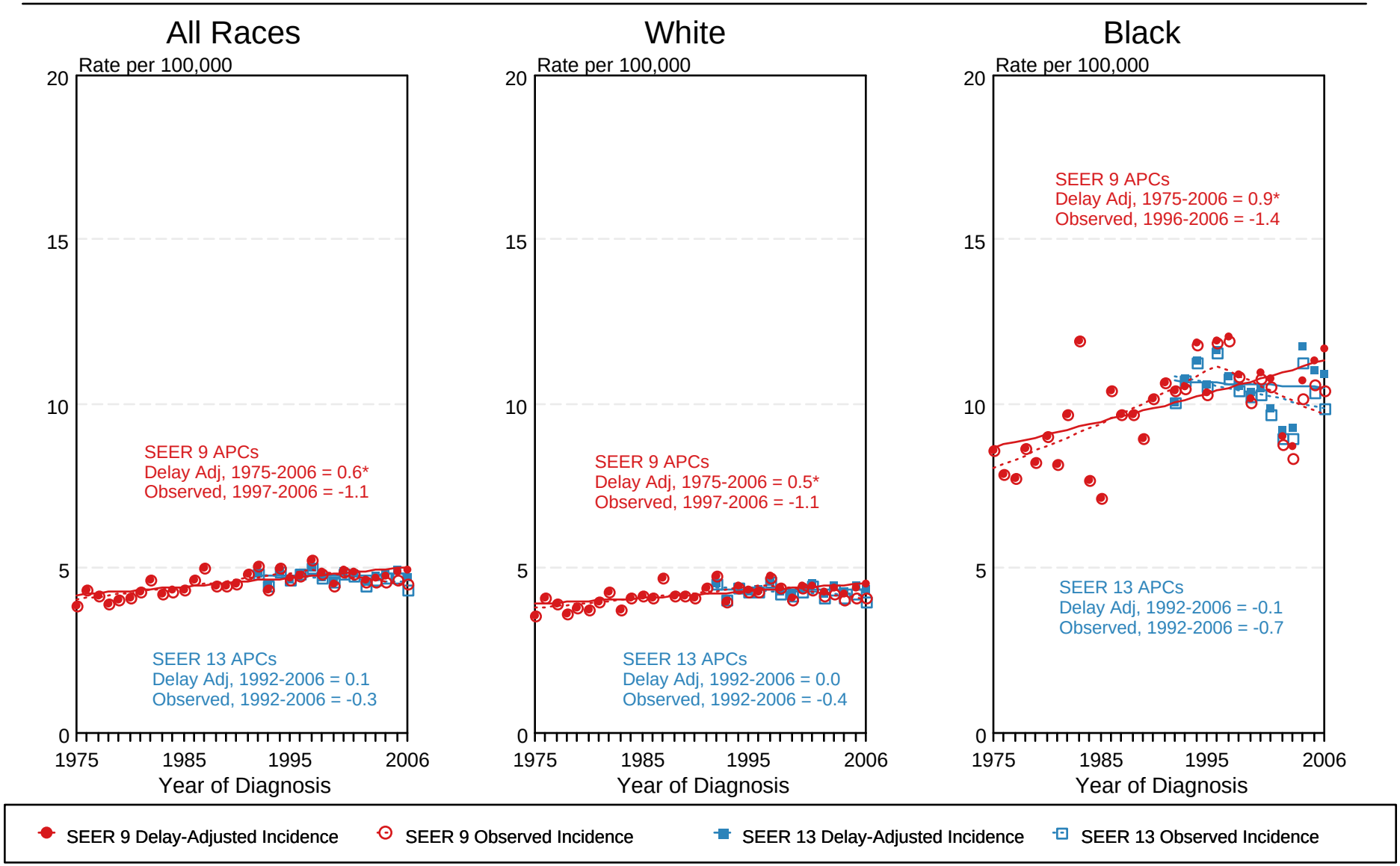


[a] Source: SEER 9 areas and SEER 13 areas.
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute.
The APC is the Annual Percent Change 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 18.3

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



[a] Source: SEER 9 areas and SEER 13 areas.
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, 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 18.4

Table 19.1
Non-Hodgkin Lymphoma

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Both Sexes by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-1991	3.6*	1991-2006	0.6*							0.6*	0.6*
White	1975-1990	3.8*	1990-2006	0.8*							0.8*	0.8*
Black	1975-1992	4.9*	1992-2006	1.1*							1.1*	1.1*
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-2006	0.4*									0.4*	0.4*
White	1992-2006	0.5*									0.5*	0.5*
Black	1992-2006	1.1*									1.1*	1.1*
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-1991	3.6*	1991-2004	0.6*	2004-2006	-2.1					0.0	-0.8
White	1975-1991	3.7*	1991-2006	0.5*							0.5*	0.5*
Black	1975-1993	4.7*	1993-2006	0.6							0.6	0.6
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-2006	0.3									0.3*	0.3*
White	1992-2006	0.3*									0.3*	0.3*
White NH[ef]	1992-2006	0.5*									0.5*	0.5*
Black	1992-2006	0.8*									0.8*	0.8*
Black NH[ef]	1992-2006	0.7*									0.7*	0.7*
API[e]	1992-2006	-0.2									-0.2	-0.2
AI/AN[eg]	1992-2006	3.2									3.2*	3.2*
Hispanic[f]	1992-2006	-0.1									-0.1	-0.1
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1991	2.5*	1991-1997	1.6*	1997-2006	-3.2*					-3.2*	-3.2*
White	1975-1991	2.5*	1991-1997	1.7*	1997-2006	-3.2*					-3.2*	-3.2*
Black	1975-1996	2.7*	1996-2006	-2.6*							-2.6*	-2.6*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-1997	1.7*	1997-2006	-3.2*							-3.2*	-3.2*
White	1992-1997	1.7*	1997-2006	-3.2*							-3.2*	-3.2*
White NH[ef]	1992-1997	1.9*	1997-2006	-3.0*							-3.0*	-3.0*
Black	1992-1997	2.0	1997-2006	-2.9*							-2.9*	-2.9*
Black NH[ef]	1992-1996	3.7	1996-2006	-2.3*							-2.3*	-2.3*
API[e]	1992-1998	0.1	1998-2006	-3.6*							-3.2*	-3.6*
AI/AN[eg]	1992-2006	0.7									0.7	0.7
Hispanic[f]	1992-1997	2.9*	1997-2006	-3.5*							-3.5*	-3.5*

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

Table 19.2
Non-Hodgkin Lymphoma

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Males by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-1991	4.2*	1991-2006	0.3							0.3	0.3
White	1975-1990	4.5*	1990-2006	0.5*							0.5*	0.5*
Black	1975-1994	5.4*	1994-2006	-0.3							-0.3	-0.3
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-2006	0.0									0.0	0.0
White	1992-2006	0.1									0.1	0.1
Black	1992-2006	0.1									0.1	0.1
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-1991	4.3*	1991-2006	0.1							0.1	0.1
White	1975-1991	4.3*	1991-2006	0.1							0.1	0.1
Black	1975-1994	5.5*	1994-2006	-0.6							-0.6	-0.6
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-2006	-0.2									-0.2	-0.2
White	1992-2006	-0.1									-0.1	-0.1
White NH[ef]	1992-2006	0.1									0.1	0.1
Black	1992-2006	-0.2									-0.2	-0.2
Black NH[ef]	1992-2006	-0.3									-0.3	-0.3
API[e]	1992-2006	-0.5									-0.5	-0.5
AI/AN[eg]	1992-2006	2.9									2.9	2.9
Hispanic[f]	1992-2006	-0.7									-0.7	-0.7
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1991	2.7*	1991-1997	1.7*	1997-2006	-3.0*					-3.0*	-3.0*
White	1975-1996	2.5*	1996-2006	-2.7*							-2.7*	-2.7*
Black	1975-1996	2.8*	1996-2006	-3.1*							-3.1*	-3.1*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-1997	1.7*	1997-2006	-3.0*							-3.0*	-3.0*
White	1992-1997	1.7*	1997-2006	-2.9*							-2.9*	-2.9*
White NH[ef]	1992-1997	2.0*	1997-2006	-2.7*							-2.7*	-2.7*
Black	1992-1997	2.3	1997-2006	-3.4*							-3.4*	-3.4*
Black NH[ef]	1992-2006	-1.5*									-1.5*	-1.5*
API[e]	1992-2006	-2.7*									-2.7*	-2.7*
AI/AN[eg]	1992-2006	-0.5									-0.5	-0.5
Hispanic[f]	1992-1996	4.3	1996-2006	-3.7*							-3.7*	-3.7*

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

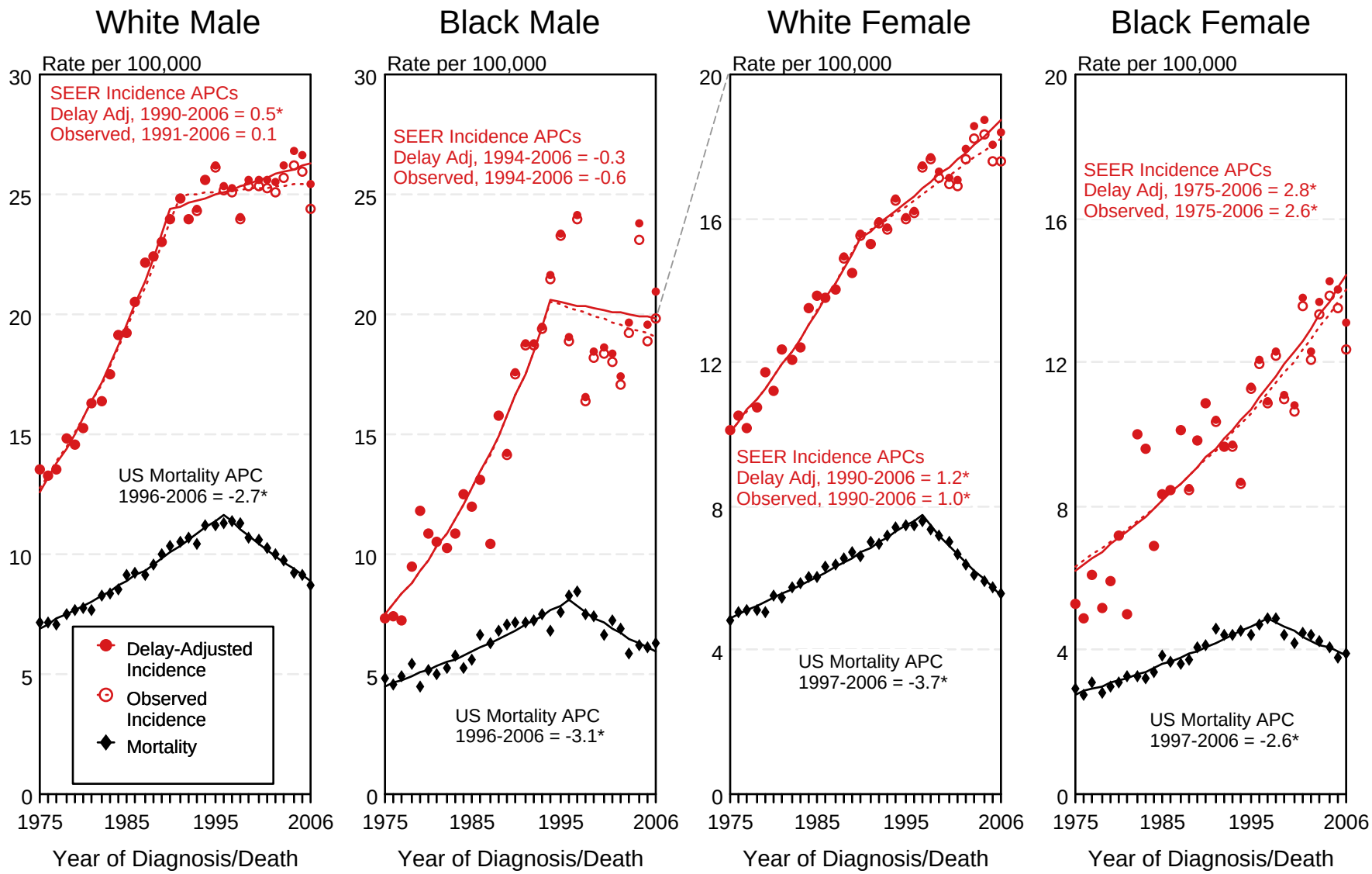
Table 19.3
Non-Hodgkin Lymphoma

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Females by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-1990	2.9*	1990-2006	1.1*							1.1*	1.1*
White	1975-1990	2.9*	1990-2006	1.2*							1.2*	1.2*
Black	1975-2006	2.8*									2.8*	2.8*
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-2006	1.1*									1.1*	1.1*
White	1992-2006	1.2*									1.2*	1.2*
Black	1992-2006	2.5*									2.5*	2.5*
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-1990	2.8*	1990-2004	1.2*	2004-2006	-2.5					0.3	-0.7
White	1975-1990	2.9*	1990-2006	1.0*							1.0*	1.0*
Black	1975-2006	2.6*									2.6*	2.6*
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-2004	1.2*	2004-2006	-2.6							0.4	-0.7
White	1992-2006	0.9*									0.9*	0.9*
White NH[ef]	1992-2006	1.0*									1.0*	1.0*
Black	1992-2006	2.1*									2.1*	2.1*
Black NH[ef]	1992-2006	2.1*									2.1*	2.1*
API[e]	1992-2006	0.3									0.3	0.3
AI/AN[eg]	1992-2006	3.9									3.9*	3.9*
Hispanic[f]	1992-2006	0.7*									0.7*	0.7*
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1997	2.1*	1997-2006	-3.7*							-3.7*	-3.7*
White	1975-1997	2.1*	1997-2006	-3.7*							-3.7*	-3.7*
Black	1975-1997	2.6*	1997-2006	-2.6*							-2.6*	-2.6*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-1997	1.7*	1997-2006	-3.5*							-3.5*	-3.5*
White	1992-1997	1.7*	1997-2006	-3.5*							-3.5*	-3.5*
White NH[ef]	1992-1994	3.8*	1994-1998	0.1	1998-2006	-3.6*					-3.2*	-3.6*
Black	1992-1997	1.9	1997-2006	-2.4*							-2.4*	-2.4*
Black NH[ef]	1992-1997	2.7	1997-2006	-2.1*							-2.1*	-2.1*
API[e]	1992-2006	-1.7*									-1.7*	-1.7*
AI/AN[eg]	1992-2006	1.7									1.7	1.7
Hispanic[f]	1992-1997	3.3	1997-2006	-3.1*							-3.1*	-3.1*

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

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

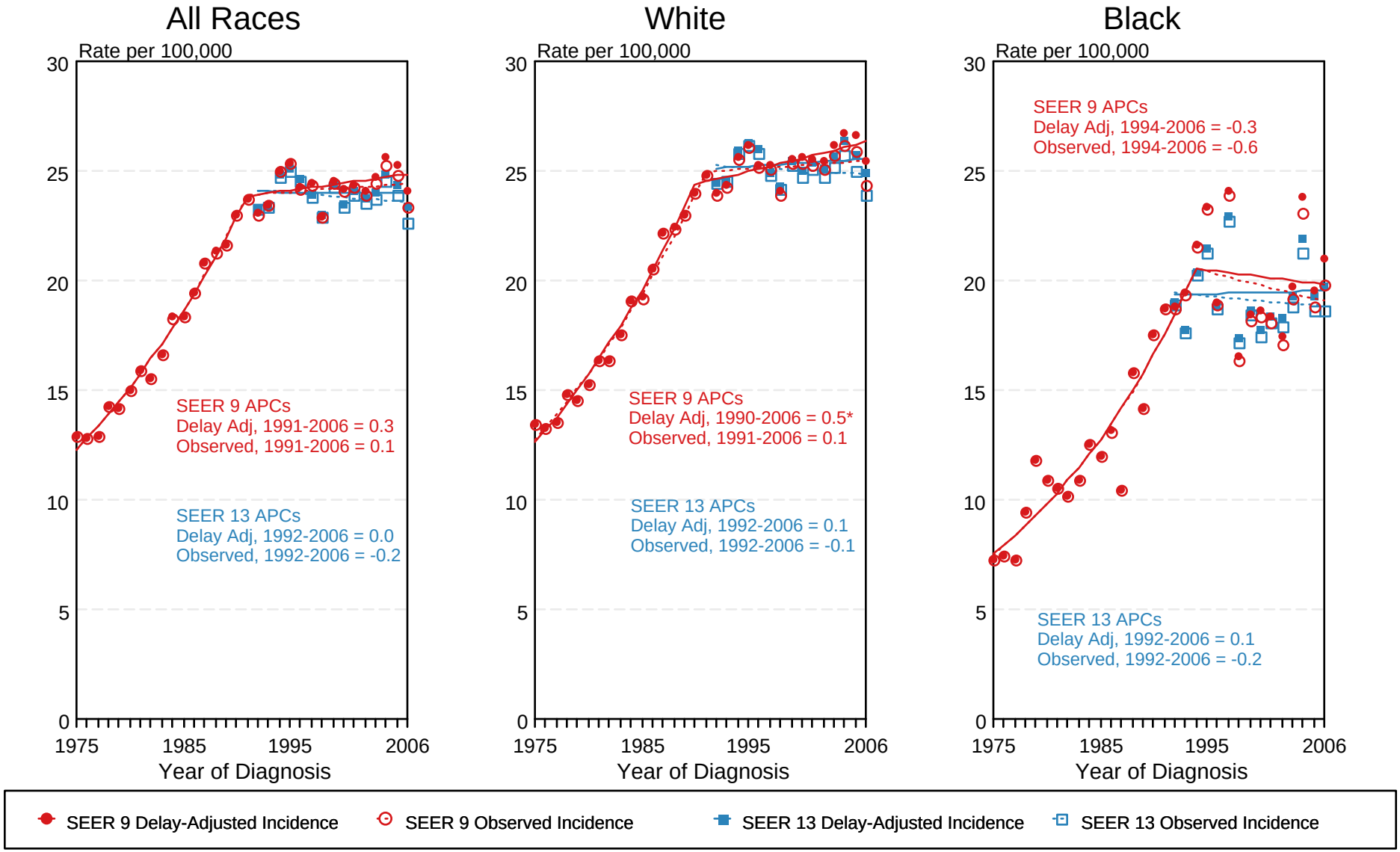


[a] Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer 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 19.1

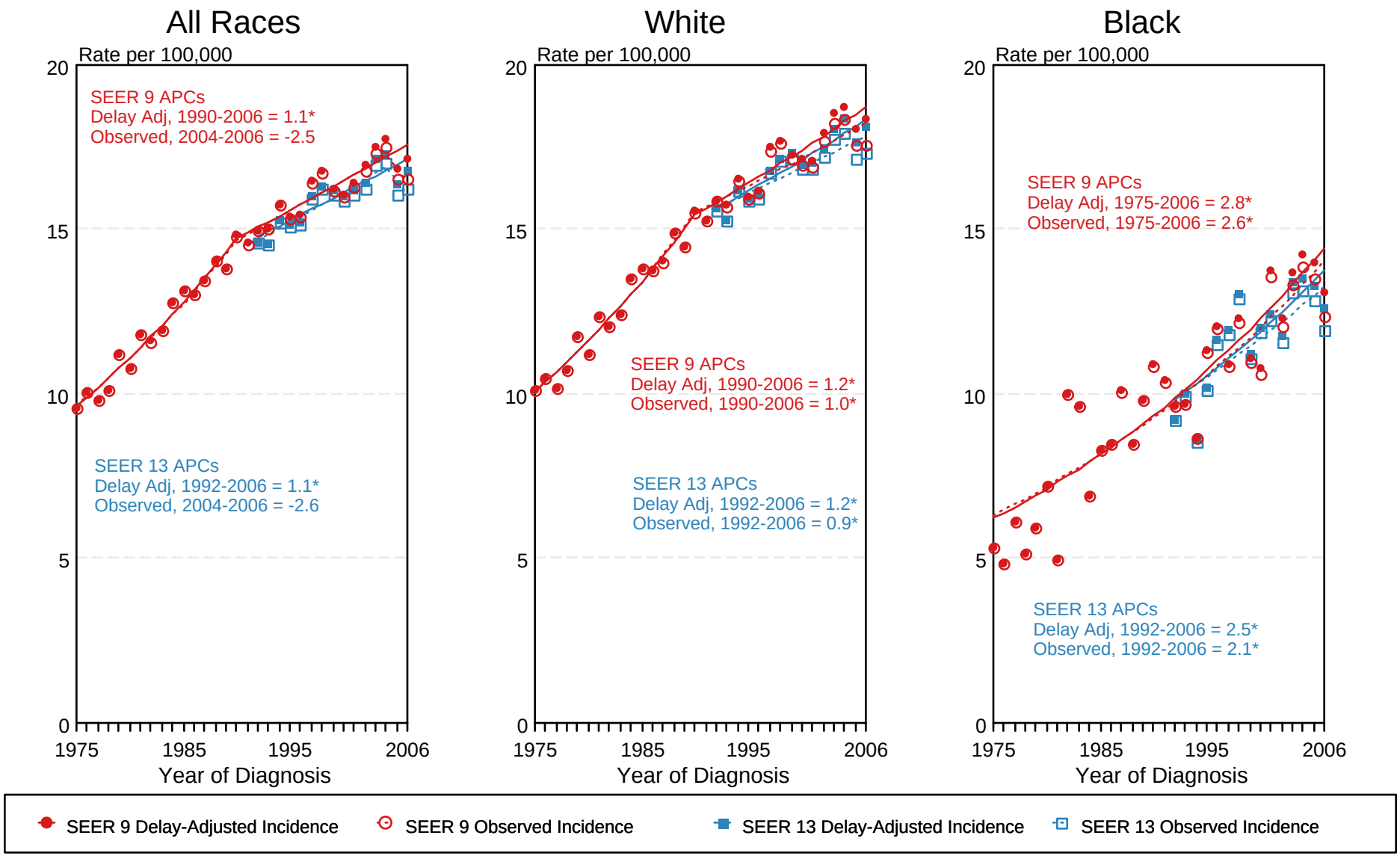
SEER Observed Incidence and SEER Delay Adjusted Incidence Rates[a]
SEER 9 Areas Compared to SEER 13 Areas
Non-Hodgkin Lymphoma, Male, by Race



[a] Source: SEER 9 areas and SEER 13 areas.
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, 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 19.5

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



[a] Source: SEER 9 areas and SEER 13 areas.
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, 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

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

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Both Sexes by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-1981	0.6	1981-2006	-1.1*							-1.1*	-1.1*
White	1975-2006	-0.8*									-0.8*	-0.8*
Black	1975-1984	2.4*	1984-2006	-2.5*							-2.5*	-2.5*
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-2006	-1.3*									-1.3*	-1.3*
White	1992-2006	-1.0*									-1.0*	-1.0*
Black	1992-2006	-2.6*									-2.6*	-2.6*
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-1981	0.7	1981-2006	-1.1*							-1.1*	-1.1*
White	1975-2006	-0.9*									-0.9*	-0.9*
Black	1975-1984	2.5*	1984-2006	-2.6*							-2.6*	-2.6*
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-2006	-1.4*									-1.4*	-1.4*
White	1992-2006	-1.2*									-1.2*	-1.2*
White NH[ef]	1992-2006	-0.9*									-0.9*	-0.9*
Black	1992-2006	-2.8*									-2.8*	-2.8*
Black NH[ef]	1992-2006	-2.7*									-2.7*	-2.7*
API[e]	1992-2006	-1.3*									-1.3*	-1.3*
AI/AN[eg]	1992-2006	-3.4*									-3.4*	-3.4*
Hispanic[f]	1992-2006	-2.3*									-2.3*	-2.3*
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1979	-0.5	1979-1993	-1.7*	1993-2000	-2.7*	2000-2006	-1.5*			-1.9*	-1.5*
White	1975-2006	-1.9*									-1.9*	-1.9*
Black	1975-1980	3.3*	1980-1993	-1.5*	1993-2006	-3.9*					-3.9*	-3.9*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-2006	-2.2*									-2.2*	-2.2*
White	1992-2006	-1.9*									-1.9*	-1.9*
White NH[ef]	1992-2006	-1.6*									-1.6*	-1.6*
Black	1992-2006	-3.8*									-3.8*	-3.8*
Black NH[ef]	1992-2006	-3.5*									-3.5*	-3.5*
API[e]	1992-2006	-2.5*									-2.5*	-2.5*
AI/AN[eg]	1992-2006	-2.1									-2.1*	-2.1*
Hispanic[f]	1992-2006	-3.1*									-3.1*	-3.1*

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

Table 20.2
Cancer of the Oral Cavity and Pharynx (Invasive)

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Males by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-2006	-1.2*									-1.2*	-1.2*
White	1975-2006	-1.1*									-1.1*	-1.1*
Black	1975-1987	1.9*	1987-2006	-3.2*							-3.2*	-3.2*
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-2006	-1.5*									-1.5*	-1.5*
White	1992-2006	-1.2*									-1.2*	-1.2*
Black	1992-2006	-3.2*									-3.2*	-3.2*
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-1983	-0.2	1983-2006	-1.4*							-1.4*	-1.4*
White	1975-2006	-1.2*									-1.2*	-1.2*
Black	1975-1987	1.9*	1987-2006	-3.3*							-3.3*	-3.3*
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-2006	-1.6*									-1.6*	-1.6*
White	1992-2006	-1.3*									-1.3*	-1.3*
White NH[ef]	1992-2006	-1.1*									-1.1*	-1.1*
Black	1992-2006	-3.3*									-3.3*	-3.3*
Black NH[ef]	1992-2006	-3.3*									-3.3*	-3.3*
API[e]	1992-2006	-1.6*									-1.6*	-1.6*
AI/AN[eg]	1992-2006	-6.6*									-6.6*	-6.6*
Hispanic[f]	1992-2006	-2.6*									-2.6*	-2.6*
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1980	-0.9	1980-2006	-2.2*							-2.2*	-2.2*
White	1975-2006	-2.1*									-2.1*	-2.1*
Black	1975-1980	3.8*	1980-1992	-1.4*	1992-2006	-3.7*					-3.7*	-3.7*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-2006	-2.2*									-2.2*	-2.2*
White	1992-2006	-1.9*									-1.9*	-1.9*
White NH[ef]	1992-2006	-1.7*									-1.7*	-1.7*
Black	1992-2006	-3.7*									-3.7*	-3.7*
Black NH[ef]	1992-2006	-3.4*									-3.4*	-3.4*
API[e]	1992-2006	-2.8*									-2.8*	-2.8*
AI/AN[eg]	1992-2006	-2.4									-2.4	-2.4
Hispanic[f]	1992-2006	-3.9*									-3.9*	-3.9*

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

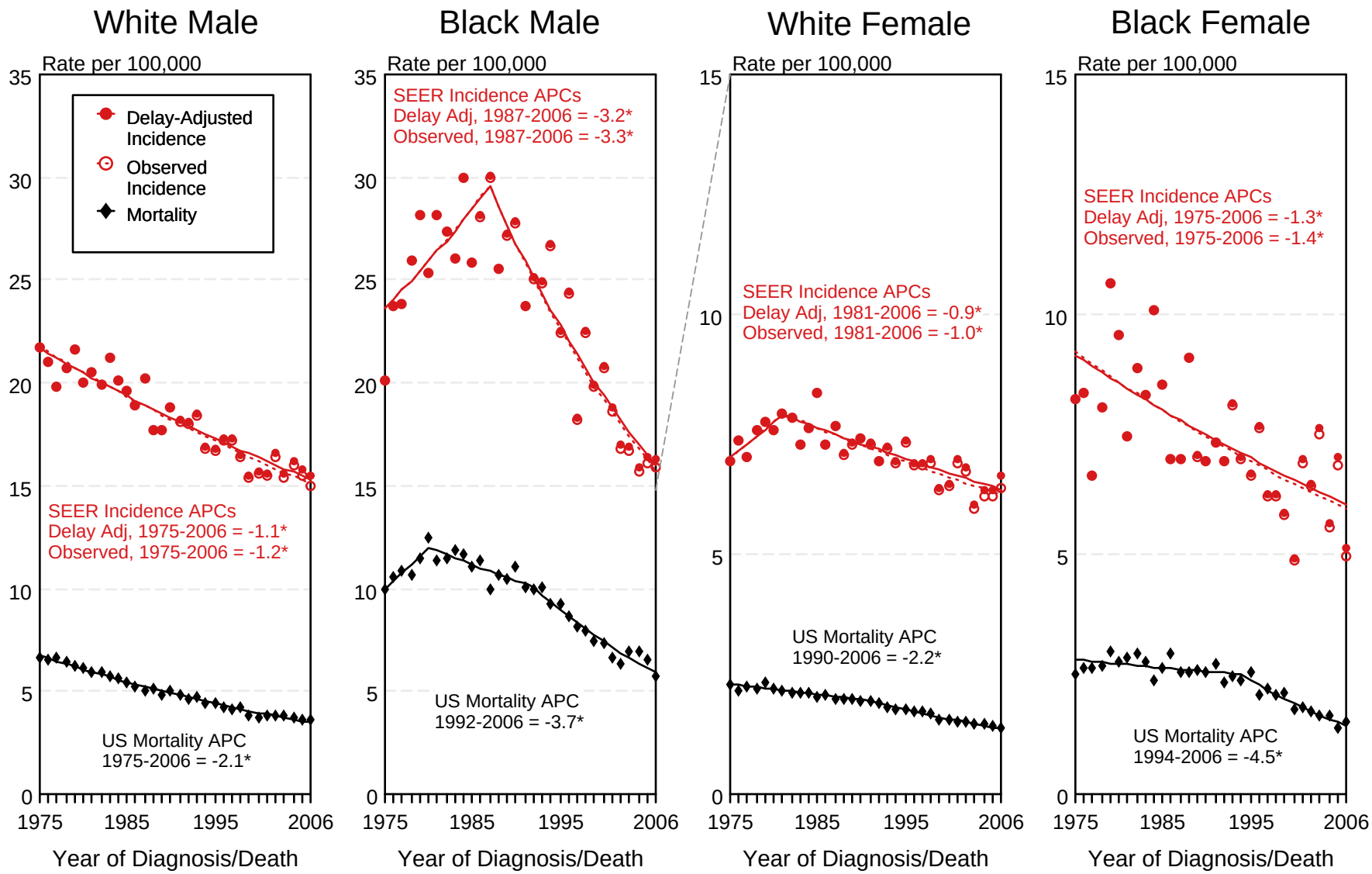
Table 20.3
Cancer of the Oral Cavity and Pharynx (Invasive)

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Females by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-1980	2.5	1980-2006	-0.9*							-0.9*	-0.9*
White	1975-1981	2.0	1981-2006	-0.9*							-0.9*	-0.9*
Black	1975-2006	-1.3*									-1.3*	-1.3*
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-2006	-1.1*									-1.1*	-1.1*
White	1992-2006	-1.2*									-1.2*	-1.2*
Black	1992-2006	-1.0									-1.0*	-1.0*
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-1980	2.6*	1980-2006	-1.0*							-1.0*	-1.0*
White	1975-1981	2.1*	1981-2006	-1.0*							-1.0*	-1.0*
Black	1975-2006	-1.4*									-1.4*	-1.4*
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-2006	-1.3*									-1.3*	-1.3*
White	1992-2006	-1.4*									-1.4*	-1.4*
White NH[ef]	1992-2006	-1.1*									-1.1*	-1.1*
Black	1992-2006	-1.2*									-1.2*	-1.2*
Black NH[ef]	1992-2006	-1.1									-1.1*	-1.1*
API[e]	1992-2006	-0.8									-0.8	-0.8
AI/AN[eg]	1992-2006	1.9									1.9	1.9
Hispanic[f]	1992-2006	-2.0*									-2.0*	-2.0*
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1990	-0.9*	1990-2006	-2.4*							-2.4*	-2.4*
White	1975-1990	-1.0*	1990-2006	-2.2*							-2.2*	-2.2*
Black	1975-1994	-0.6*	1994-2006	-4.5*							-4.5*	-4.5*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-2006	-2.4*									-2.4*	-2.4*
White	1992-2006	-2.2*									-2.2*	-2.2*
White NH[ef]	1992-2006	-2.0*									-2.0*	-2.0*
Black	1992-2006	-3.9*									-3.9*	-3.9*
Black NH[ef]	1992-2006	-3.5*									-3.5*	-3.5*
API[e]	1992-2006	-1.7									-1.7	-1.7
AI/AN[eg]	1992-2006	-1.2									-1.2	-1.2
Hispanic[f]	1992-2006	-1.7									-1.7*	-1.7*

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

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

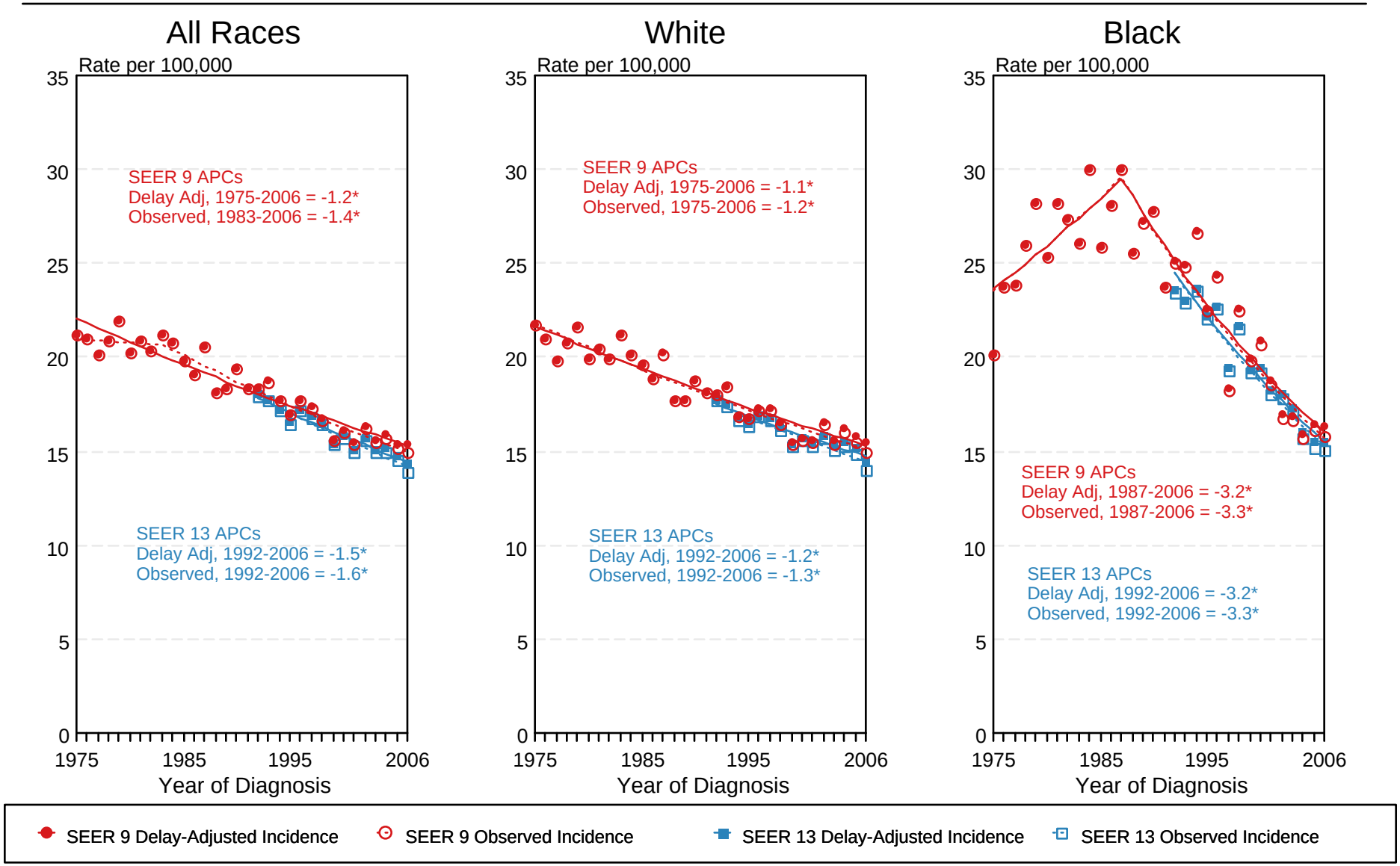


[a] Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer 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 20.1

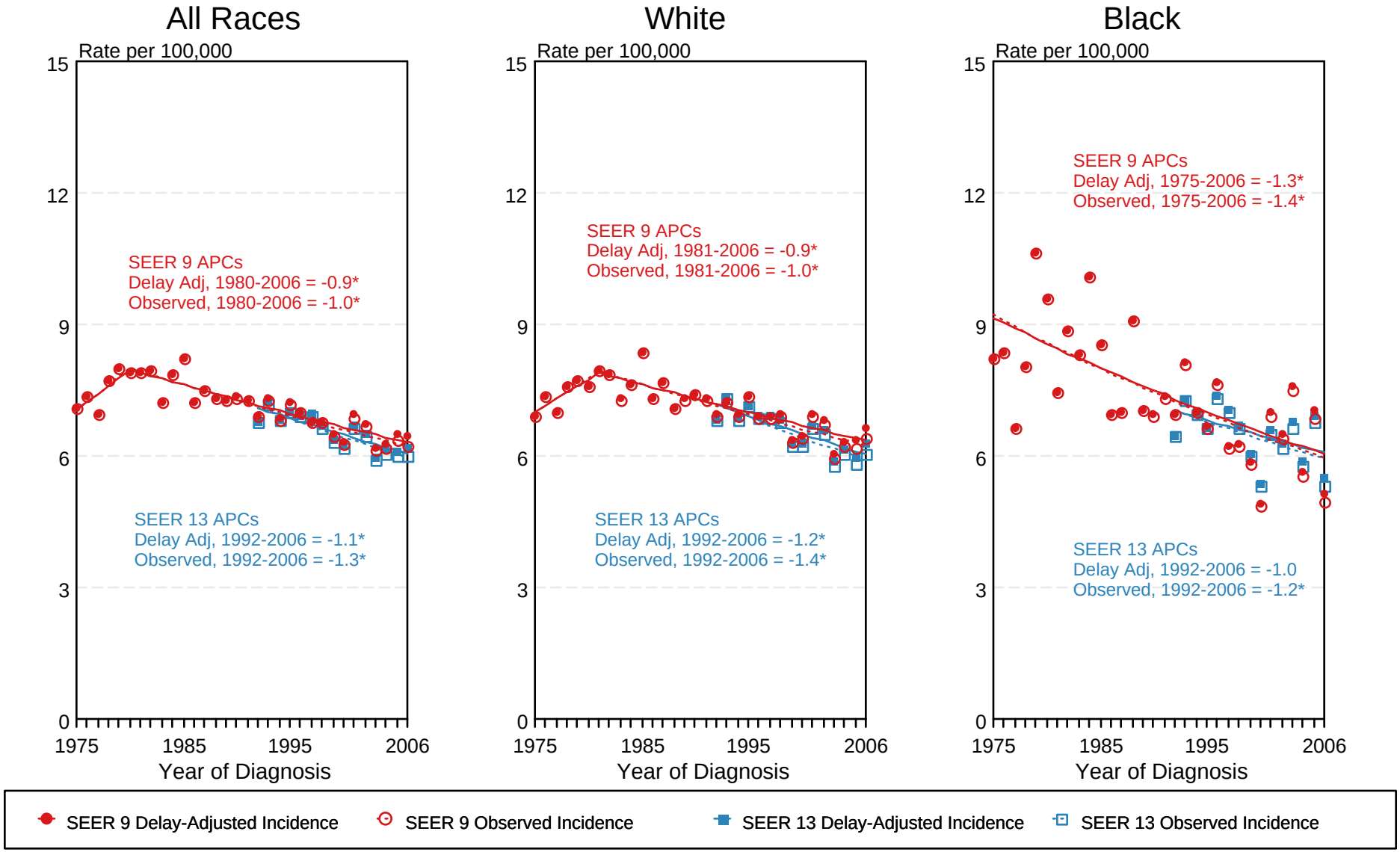
SEER Observed Incidence and SEER Delay Adjusted Incidence Rates[a]
SEER 9 Areas Compared to SEER 13 Areas
Cancer of the Oral Cavity and Pharynx, Male, by Race



[a] Source: SEER 9 areas and SEER 13 areas.
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute.
The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.

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

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



[a] Source: SEER 9 areas and SEER 13 areas.
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, 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 20.5

Table 21.1
Cancer of the Ovary (Invasive)

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
All Ages by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-1985	0.1	1985-2001	-0.7*	2001-2006	-2.1*					-1.5*	-2.1*
White	1975-1989	0.1	1989-2006	-1.0*							-1.0*	-1.0*
Black	1975-2006	-0.5*									-0.5*	-0.5*
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-2001	-0.6*	2001-2006	-1.9*							-1.3*	-1.9*
White	1992-2001	-0.4*	2001-2006	-2.1*							-1.4*	-2.1*
Black	1992-2006	-0.7									-0.7	-0.7
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-1985	0.1	1985-2001	-0.7*	2001-2006	-2.6*					-1.8*	-2.6*
White	1975-1985	0.3	1985-2001	-0.7*	2001-2006	-2.9*					-1.9*	-2.9*
Black	1975-2006	-0.6*									-0.6*	-0.6*
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-2001	-0.6*	2001-2006	-2.4*							-1.6*	-2.4*
White	1992-2001	-0.5*	2001-2006	-2.7*							-1.7*	-2.7*
White NH[ef]	1992-2001	-0.5	2001-2006	-2.6*							-1.7*	-2.6*
Black	1992-2006	-0.9									-0.9*	-0.9*
Black NH[ef]	1992-2006	-0.9									-0.9	-0.9
API[e]	1992-2006	0.0									0.0	0.0
AI/AN[eg]	1992-2006	0.7									0.7	0.7
Hispanic[f]	1992-2006	-0.6									-0.6	-0.6
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1982	-1.2*	1982-1992	0.3*	1992-1998	-1.2*	1998-2002	0.7	2002-2006	-1.4*	-0.4	-1.4*
White	1975-1981	-1.5*	1981-1992	0.3*	1992-1998	-1.1*	1998-2002	0.8	2002-2006	-1.3*	-0.4	-1.3*
Black	1975-1992	0.3	1992-2006	-0.6*							-0.6*	-0.6*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-1998	-1.2*	1998-2002	0.7	2002-2006	-1.4*					-0.4	-1.4*
White	1992-1998	-1.1*	1998-2002	0.8	2002-2006	-1.3					-0.4	-1.3*
White NH[ef]	1992-1998	-0.9*	1998-2002	1.0	2002-2006	-1.3					-0.3	-1.3*
Black	1992-2006	-0.6*									-0.6*	-0.6*
Black NH[ef]	1992-2006	-0.5									-0.5	-0.5
API[e]	1992-2006	0.3									0.3	0.3
AI/AN[eg]	1992-2006	0.8									0.8	0.8
Hispanic[f]	1992-2006	-0.3									-0.3	-0.3

Ovary excludes borderline cases or histologies 8442, 8451, 8462, 8472, and 8473.
Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

Table 21.2
Cancer of the Ovary (Invasive)

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Ages <65 by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-2006	-1.1*									-1.1*	-1.1*
White	1975-2006	-1.1*									-1.1*	-1.1*
Black	1975-2006	-1.0*									-1.0*	-1.0*
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-2006	-0.9*									-0.9*	-0.9*
White	1992-2006	-1.0*									-1.0*	-1.0*
Black	1992-2006	-0.3									-0.3	-0.3
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-2006	-1.2*									-1.2*	-1.2*
White	1975-2006	-1.2*									-1.2*	-1.2*
Black	1975-2006	-1.1*									-1.1*	-1.1*
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-2006	-1.1*									-1.1*	-1.1*
White	1992-2001	-0.3	2001-2006	-3.2*							-2.0*	-3.2*
White NH[ef]	1992-2006	-1.2*									-1.2*	-1.2*
Black	1992-2006	-0.6									-0.6	-0.6
Black NH[ef]	1992-2006	-0.6									-0.6	-0.6
API[e]	1992-2006	-0.3									-0.3	-0.3
AI/AN[eg]	1992-2006	-0.4									-0.4	-0.4
Hispanic[f]	1992-2006	-0.7									-0.7	-0.7
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1982	-2.9*	1982-1994	-1.3*	1994-1998	-2.6*	1998-2002	0.6	2002-2006	-2.0*	-0.9	-2.0*
White	1975-1980	-3.5*	1980-1994	-1.3*	1994-1998	-2.5*	1998-2002	0.5	2002-2006	-2.0*	-0.9	-2.0*
Black	1975-1995	-1.9*	1995-2006	-0.2							-0.2	-0.2
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-1998	-2.3*	1998-2002	0.5	2002-2006	-2.0*					-0.9	-2.0*
White	1992-2006	-1.1*									-1.1*	-1.1*
White NH[ef]	1992-2006	-1.0*									-1.0*	-1.0*
Black	1992-2006	-0.5									-0.5	-0.5
Black NH[ef]	1992-2006	-0.3									-0.3	-0.3
API[e]	1992-2006	-1.3*									-1.3*	-1.3*
AI/AN[eg]	1992-2006	0.6									0.6	0.6
Hispanic[f]	1992-2006	-0.8*									-0.8*	-0.8*

Ovary excludes borderline cases or histologies 8442, 8451, 8462, 8472, and 8473.
Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

Table 21.3
Cancer of the Ovary (Invasive)

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Ages 65+ by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-1990	1.4*	1990-2006	-1.0*							-1.0*	-1.0*
White	1975-1990	1.5*	1990-2006	-0.8*							-0.8*	-0.8*
Black	1975-2003	0.5	2003-2006	-12.9							-4.2	-9.7
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-2006	-1.0*									-1.0*	-1.0*
White	1992-2006	-0.9*									-0.9*	-0.9*
Black	1992-2006	-1.0									-1.0	-1.0
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-1990	1.4*	1990-2006	-1.1*							-1.1*	-1.1*
White	1975-1990	1.5*	1990-2006	-1.0*							-1.0*	-1.0*
Black	1975-2003	0.5	2003-2006	-13.9							-4.6	-10.5
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-2006	-1.2*									-1.2*	-1.2*
White	1992-2006	-1.1*									-1.1*	-1.1*
White NH[ef]	1992-2006	-1.1*									-1.1*	-1.1*
Black	1992-2006	-1.2									-1.2	-1.2
Black NH[ef]	1992-2006	-1.3									-1.3	-1.3
API[e]	1992-2006	0.6									0.6	0.6
AI/AN[eg]	1992-2006	1.3									1.3	1.3
Hispanic[f]	1992-2006	-0.4									-0.4	-0.4
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1985	0.7*	1985-1991	1.8*	1991-2006	-0.1					-0.1	-0.1
White	1975-1984	0.5*	1984-1991	1.6*	1991-2006	0.0					0.0	0.0
Black	1975-1992	2.2*	1992-2006	-0.8*							-0.8*	-0.8*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-2006	-0.1									-0.1	-0.1
White	1992-2006	0.0									0.0	0.0
White NH[ef]	1992-2006	0.1									0.1	0.1
Black	1992-2006	-0.7*									-0.7*	-0.7*
Black NH[ef]	1992-2006	-0.6									-0.6	-0.6
API[e]	1992-2006	1.6*									1.6*	1.6*
AI/AN[eg]	1992-2006	1.0									1.0	1.0
Hispanic[f]	1992-2006	-0.1									-0.1	-0.1

Ovary excludes borderline cases or histologies 8442, 8451, 8462, 8472, and 8473.
Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

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

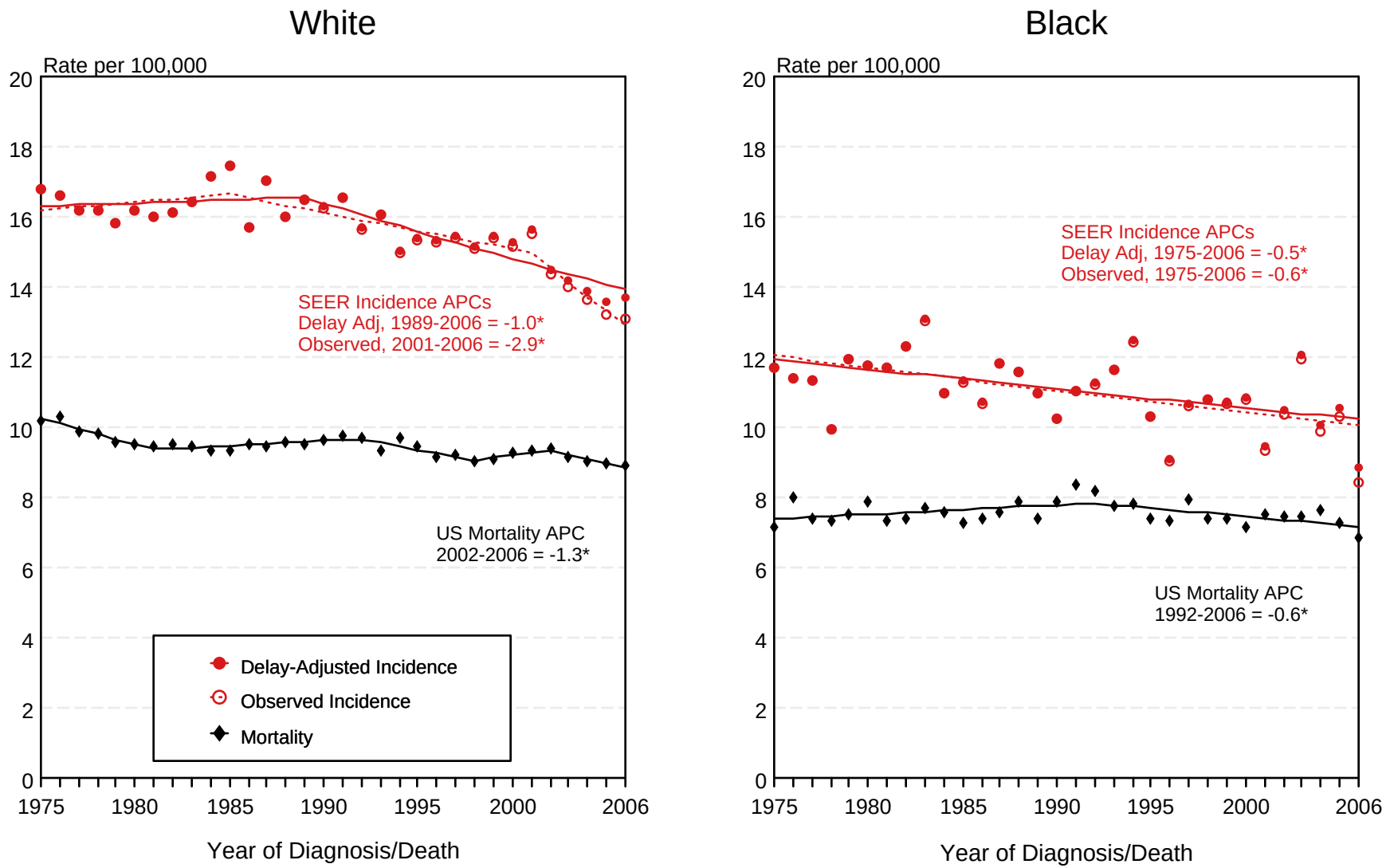
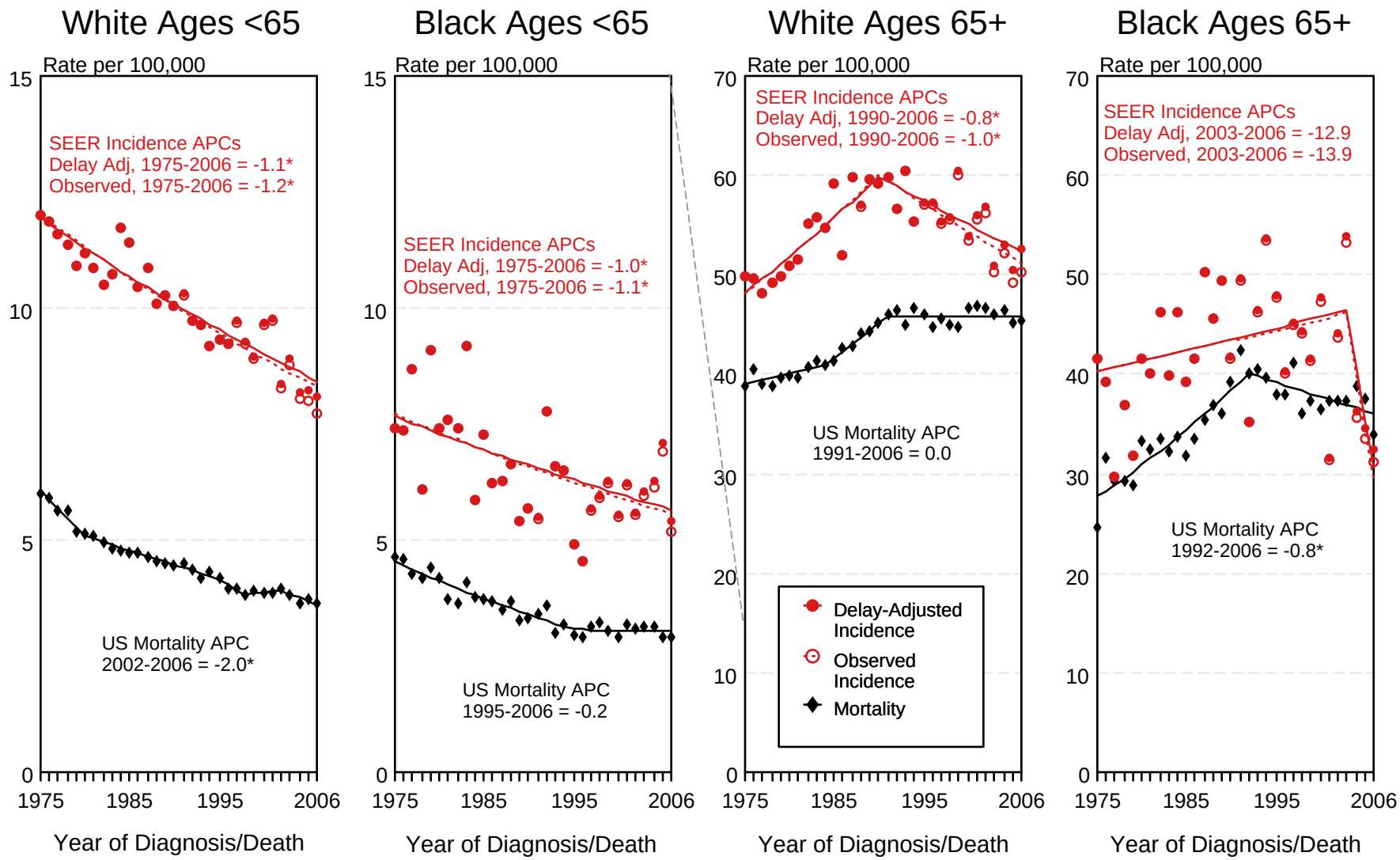


Figure 21.1

[a] Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Ovary excludes borderline cases or histologies 8442, 8451, 8462, 8472, and 8473.
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute.
The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.

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

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

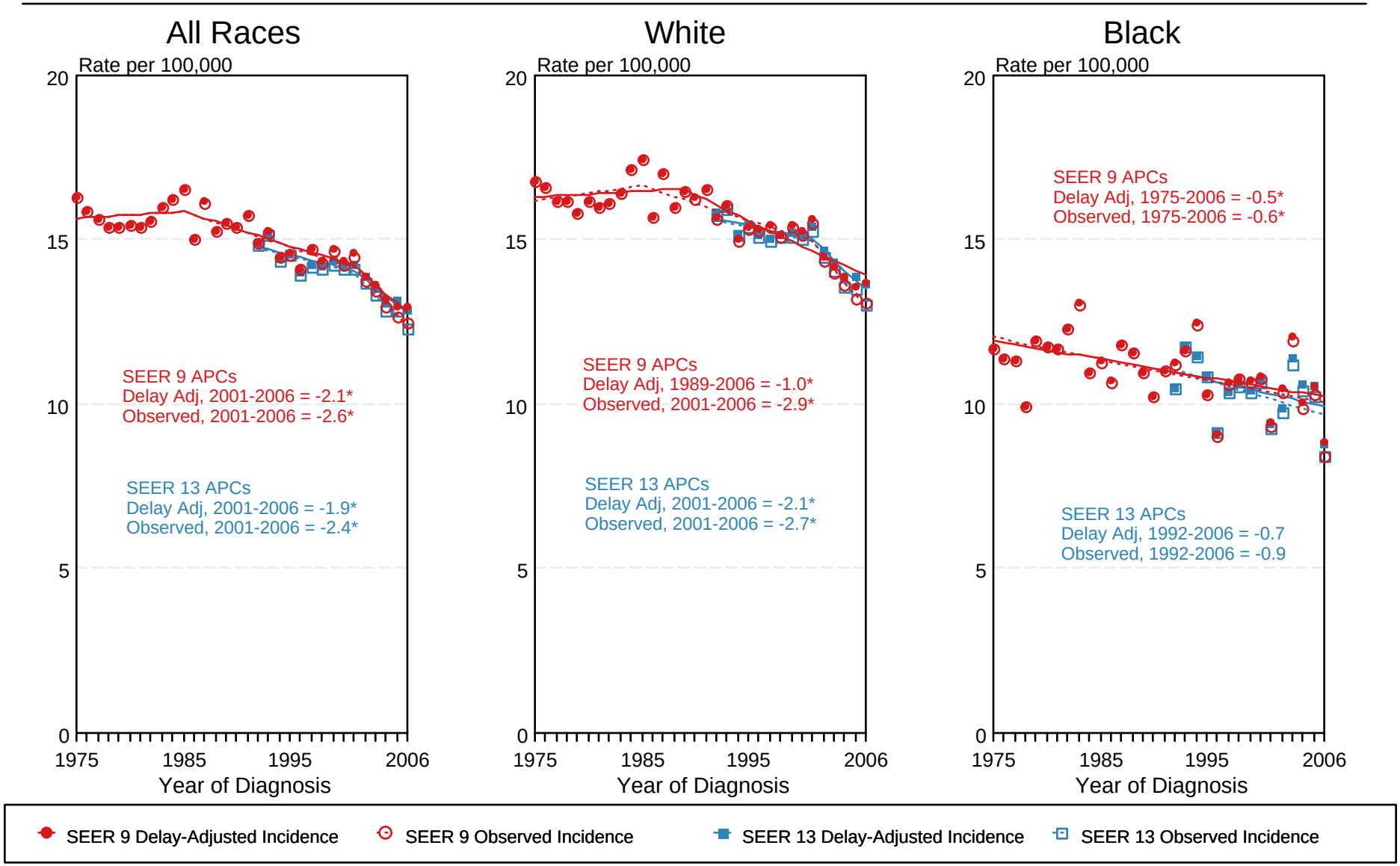


[a] Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Ovary excludes borderline cases or histologies 8442, 8451, 8462, 8472, and 8473.
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, 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 21.2

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



[a] Source: SEER 9 areas and SEER 13 areas.
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, 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 21.4

Table 22.1
Cancer of the Pancreas (Invasive)

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Both Sexes by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-1978	-2.2	1978-1984	1.3*	1984-1989	-1.4	1989-2001	0.0	2001-2006	1.7*	0.9*	1.7*
White	1975-1979	-1.9	1979-1984	1.7	1984-1987	-2.5	1987-1999	-0.1	1999-2006	1.5*	1.1*	1.5*
Black	1975-2006	-0.2									-0.2	-0.2
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-2001	0.0	2001-2006	1.5*							0.8*	1.5*
White	1992-2001	0.2	2001-2006	1.7*							1.0*	1.7*
Black	1992-2001	-1.8*	2001-2006	2.0							0.3	2.0
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-1978	-2.1	1978-1984	1.1	1984-1993	-0.9*	1993-2006	0.5*			0.5*	0.5*
White	1975-1978	-2.5	1978-1984	1.0	1984-1994	-0.9*	1994-2006	0.7*			0.7*	0.7*
Black	1975-2006	-0.3*									-0.3*	-0.3*
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-2006	0.3*									0.3*	0.3*
White	1992-2006	0.5*									0.5*	0.5*
White NH[ef]	1992-2006	0.5*									0.5*	0.5*
Black	1992-2006	-0.8*									-0.8*	-0.8*
Black NH[ef]	1992-2006	-0.8*									-0.8*	-0.8*
API[e]	1992-2006	0.0									0.0	0.0
AI/AN[eg]	1992-2006	3.4									3.4*	3.4*
Hispanic[f]	1992-2006	0.0									0.0	0.0
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-2003	-0.1*	2003-2006	1.0*							0.3	0.8*
White	1975-1997	-0.2*	1997-2006	0.4*							0.4*	0.4*
Black	1975-1989	1.2*	1989-2006	-0.7*							-0.7*	-0.7*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-1995	-0.8	1995-2003	0.1	2003-2006	0.9*					0.3*	0.7*
White	1992-1996	-0.4	1996-2003	0.3	2003-2006	1.0*					0.5*	0.8*
White NH[ef]	1992-1997	-0.3	1997-2006	0.6*							0.6*	0.6*
Black	1992-2006	-0.8*									-0.8*	-0.8*
Black NH[ef]	1992-2006	-0.8*									-0.8*	-0.8*
API[e]	1992-2006	-0.3									-0.3	-0.3
AI/AN[eg]	1992-2006	2.3*									2.3*	2.3*
Hispanic[f]	1992-2006	0.0									0.0	0.0

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

Table 22.2
Cancer of the Pancreas (Invasive)

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Males by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-1981	-1.8*	1981-1985	1.1	1985-1990	-2.1	1990-2003	0.1	2003-2006	2.5	0.9	1.9
White	1975-1994	-1.0*	1994-2006	0.9*							0.9*	0.9*
Black	1975-2006	-0.6*									-0.6*	-0.6*
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-2003	-0.1	2003-2006	2.4*							0.8*	1.8*
White	1992-2006	0.6*									0.6*	0.6*
Black	1992-2006	-1.0*									-1.0*	-1.0*
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-1993	-0.9*	1993-2006	0.3							0.3	0.3
White	1975-1994	-1.0*	1994-2006	0.7*							0.7*	0.7*
Black	1975-2006	-0.7*									-0.7*	-0.7*
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-2006	0.1									0.1	0.1
White	1992-2006	0.4*									0.4*	0.4*
White NH[ef]	1992-2006	0.5*									0.5*	0.5*
Black	1992-2006	-1.2*									-1.2*	-1.2*
Black NH[ef]	1992-2006	-1.1*									-1.1*	-1.1*
API[e]	1992-2006	-0.9									-0.9	-0.9
AI/AN[eg]	1992-2006	2.9									2.9	2.9
Hispanic[f]	1992-2006	0.0									0.0	0.0
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1986	-0.9*	1986-2003	-0.2*	2003-2006	1.0					0.2	0.7
White	1975-1986	-1.0*	1986-2003	-0.1*	2003-2006	1.3*					0.3	0.9*
Black	1975-1990	0.6*	1990-2006	-1.1*							-1.1*	-1.1*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-1995	-1.3	1995-2006	0.1							0.1	0.1
White	1992-1996	-0.7	1996-2006	0.3*							0.3*	0.3*
White NH[ef]	1992-1996	-0.9	1996-2006	0.6*							0.6*	0.6*
Black	1992-2006	-1.2*									-1.2*	-1.2*
Black NH[ef]	1992-2006	-1.2*									-1.2*	-1.2*
API[e]	1992-2006	-1.0*									-1.0*	-1.0*
AI/AN[eg]	1992-2006	3.2*									3.2*	3.2*
Hispanic[f]	1992-2006	-0.3									-0.3	-0.3

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

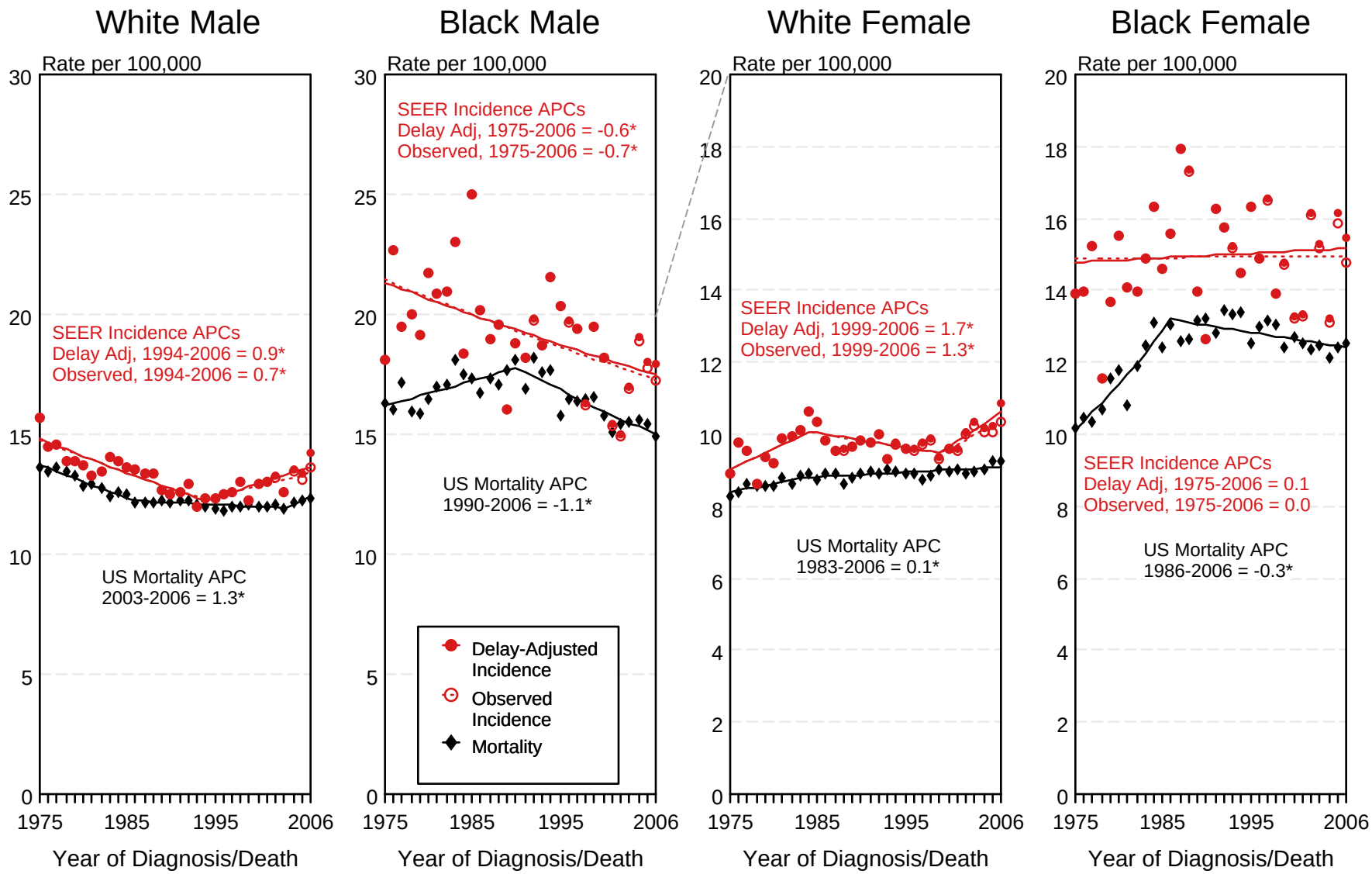
Table 22.3
Cancer of the Pancreas (Invasive)

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Females by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-1984	1.3*	1984-2000	-0.3	2000-2006	1.7*					1.0*	1.7*
White	1975-1984	1.2*	1984-1999	-0.4*	1999-2006	1.7*					1.2*	1.7*
Black	1975-2006	0.1									0.1	0.1
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-2000	-0.2	2000-2006	1.5*							1.0*	1.5*
White	1992-2000	-0.1	2000-2006	1.7*							1.1*	1.7*
Black	1992-2006	-0.3									-0.3	-0.3
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-1984	1.5*	1984-1995	-0.6	1995-2006	0.6*					0.6*	0.6*
White	1975-1984	1.2*	1984-1999	-0.4	1999-2006	1.3*					0.9*	1.3*
Black	1975-2006	0.0									0.0	0.0
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-2006	0.4*									0.4*	0.4*
White	1992-2006	0.4*									0.4*	0.4*
White NH[ef]	1992-2006	0.5*									0.5*	0.5*
Black	1992-2006	-0.6									-0.6	-0.6
Black NH[ef]	1992-2006	-0.5									-0.5	-0.5
API[e]	1992-2006	0.9*									0.9*	0.9*
AI/AN[eg]	1992-2006	4.0									4.0	4.0
Hispanic[f]	1992-2006	-0.1									-0.1	-0.1
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1984	0.8*	1984-2006	0.1*							0.1*	0.1*
White	1975-1983	0.6*	1983-2006	0.1*							0.1*	0.1*
Black	1975-1986	2.5*	1986-2006	-0.3*							-0.3*	-0.3*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-1997	-0.5	1997-2006	0.3*							0.3*	0.3*
White	1992-1997	-0.4	1997-2006	0.4*							0.4*	0.4*
White NH[ef]	1992-2006	0.3*									0.3*	0.3*
Black	1992-2006	-0.6*									-0.6*	-0.6*
Black NH[ef]	1992-2006	-0.6*									-0.6*	-0.6*
API[e]	1992-2006	0.5									0.5	0.5
AI/AN[eg]	1992-2006	2.1									2.1	2.1
Hispanic[f]	1992-2006	0.3									0.3	0.3

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

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

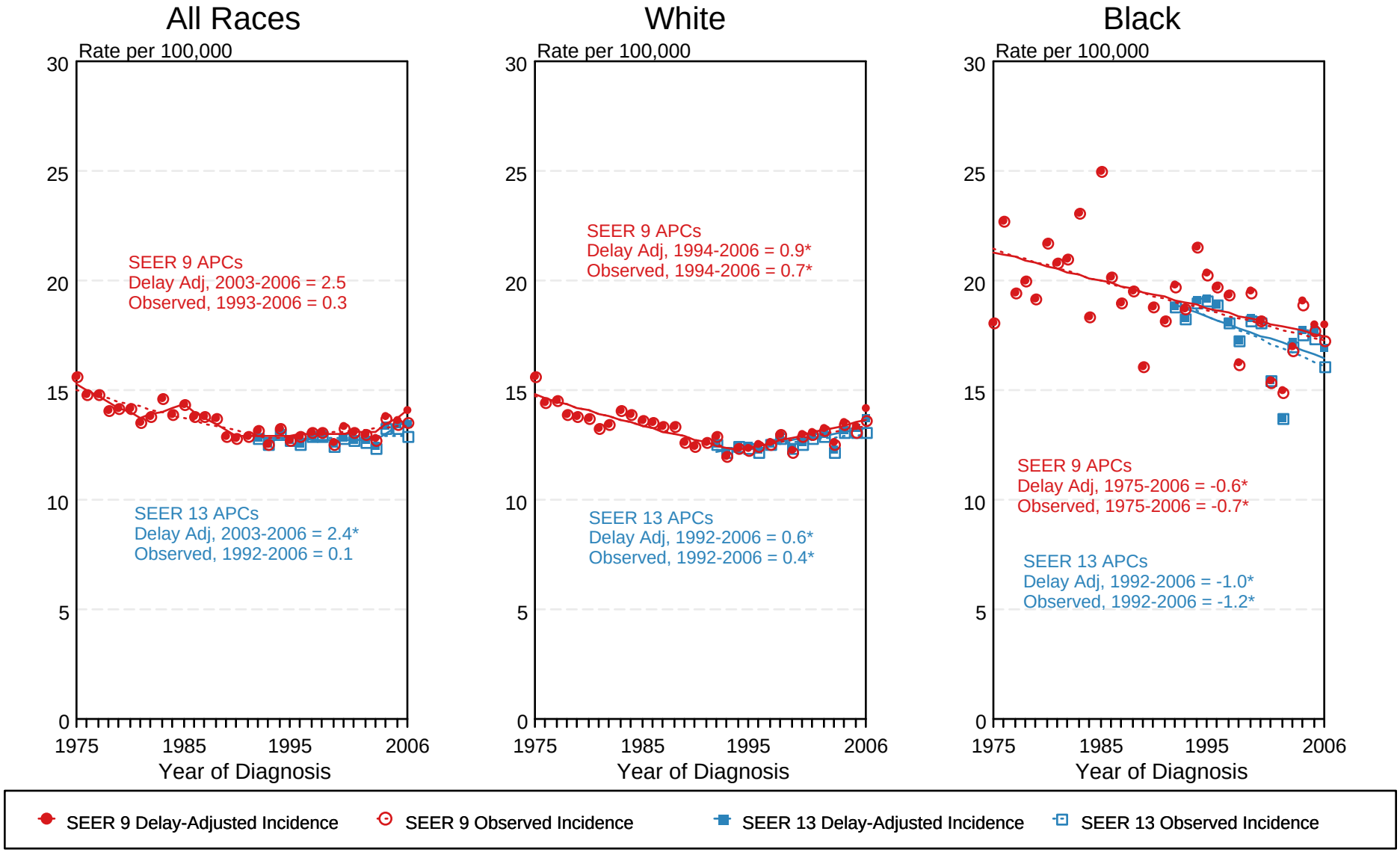


[a] Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer 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

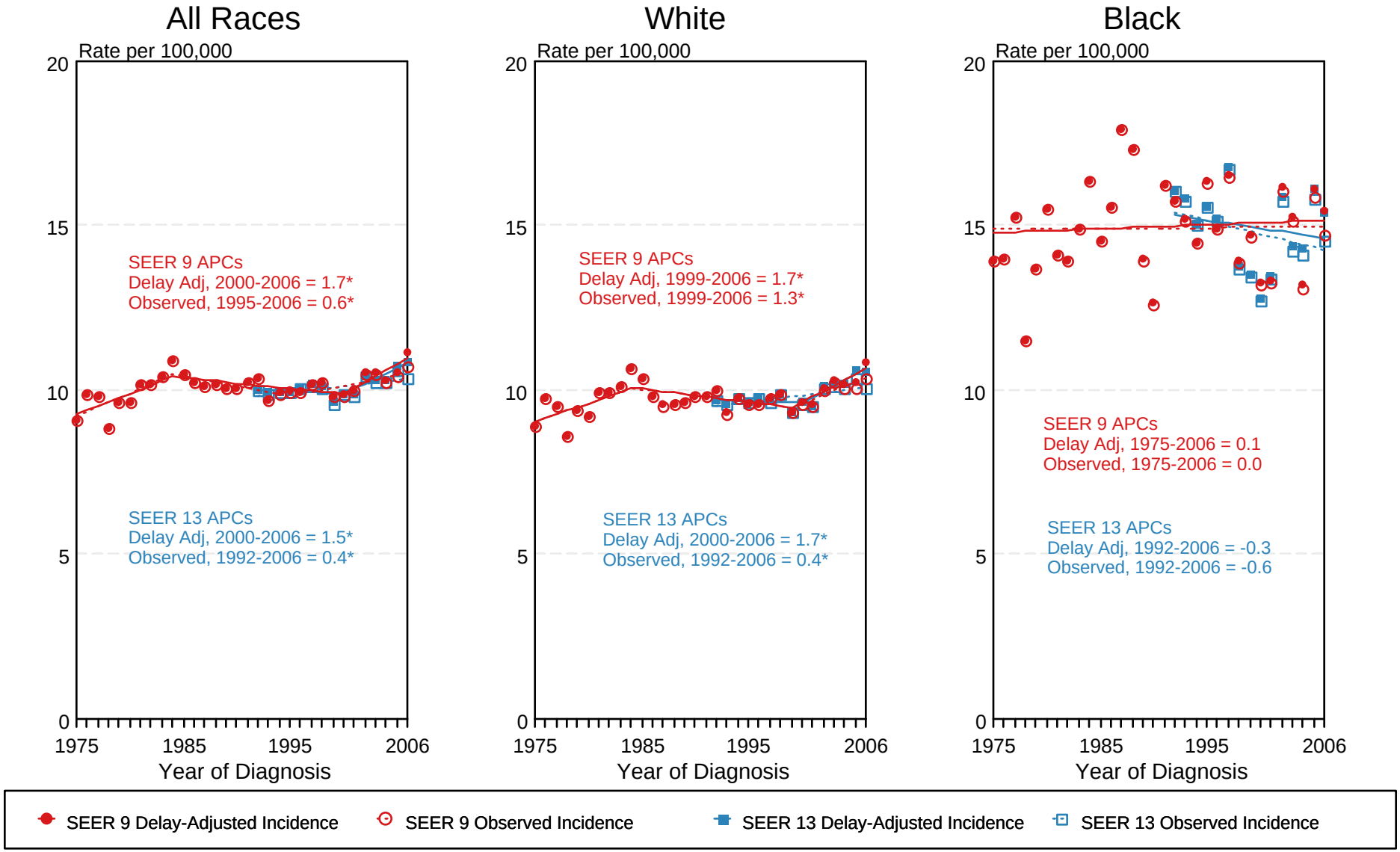
SEER Observed Incidence and SEER Delay Adjusted Incidence Rates[a]
SEER 9 Areas Compared to SEER 13 Areas
Cancer of the Pancreas, Male, by Race



[a] Source: SEER 9 areas and SEER 13 areas.
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, 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 22.3

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



[a] Source: SEER 9 areas and SEER 13 areas.
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute.
The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.
* The APC is significantly different from zero ($p < 0.05$).

Figure 22.4

Table 23.1
Cancer of the Prostate (Invasive)

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
All Ages by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-1988	2.6*	1988-1992	16.5*	1992-1995	-11.7*	1995-2000	2.4	2000-2006	-2.4*	-0.8	-2.4*
White	1975-1988	2.8*	1988-1992	16.3*	1992-1995	-12.4*	1995-2001	2.3*	2001-2006	-3.2*	-0.8	-3.2*
Black	1975-1989	2.0*	1989-1992	21.7*	1992-1996	-4.9*	1996-2000	1.1	2000-2006	-3.0*	-1.6*	-3.0*
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-1995	-11.2*	1995-2000	2.3	2000-2006	-2.7*					-1.1	-2.7*
White	1992-1995	-11.8*	1995-2001	2.0	2001-2006	-3.3*					-1.0	-3.3*
Black	1992-1996	-5.0*	1996-2000	1.6	2000-2006	-3.9*					-2.1	-3.9*
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-1988	2.6*	1988-1992	16.4*	1992-1995	-11.4*	1995-2001	1.8	2001-2006	-3.4*	-1.1	-3.4*
White	1975-1988	2.8*	1988-1992	16.3*	1992-1995	-12.4*	1995-2001	2.1*	2001-2006	-3.9*	-1.2*	-3.9*
Black	1975-1989	2.0*	1989-1992	21.7*	1992-1996	-5.0*	1996-2000	1.0	2000-2006	-3.8*	-2.2*	-3.8*
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-1995	-11.0*	1995-2001	1.6	2001-2006	-3.6*					-1.3*	-3.6*
White	1992-1995	-11.8*	1995-2001	1.9	2001-2006	-3.9*					-1.4*	-3.9*
White NH[ef]	1992-1994	-17.3*	1994-2001	1.0	2001-2006	-3.5*					-1.5*	-3.5*
Black	1992-1996	-5.1*	1996-2000	1.5	2000-2006	-4.6*					-2.6*	-4.6*
Black NH[ef]	1992-1996	-5.2*	1996-2000	1.5	2000-2006	-4.4*					-2.5*	-4.4*
API[e]	1992-1996	-7.7*	1996-2001	2.4	2001-2006	-3.1*					-0.7	-3.1*
AI/AN[eg]	1992-2006	-2.6*									-2.6*	-2.6*
Hispanic[f]	1992-2006	-1.4*									-1.4*	-1.4*
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1987	0.9*	1987-1991	3.0*	1991-1994	-0.6	1994-2006	-4.1*			-4.1*	-4.1*
White	1975-1987	0.8*	1987-1991	3.1*	1991-1994	-0.9	1994-2006	-4.1*			-4.1*	-4.1*
Black	1975-1988	1.9*	1988-1993	3.2*	1993-2000	-2.6*	2000-2006	-4.9*			-4.1*	-4.9*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-1994	-0.7	1994-2006	-4.1*							-4.1*	-4.1*
White	1992-1994	-1.0	1994-2006	-4.0*							-4.0*	-4.0*
White NH[ef]	1992-1994	-1.1	1994-2006	-4.1*							-4.1*	-4.1*
Black	1992-1996	-1.0	1996-2001	-3.3*	2001-2006	-5.0*					-4.3*	-5.0*
Black NH[ef]	1992-1998	-1.5*	1998-2006	-4.2*							-3.9*	-4.2*
API[e]	1992-2006	-4.4*									-4.4*	-4.4*
AI/AN[eg]	1992-2006	-3.0*									-3.0*	-3.0*
Hispanic[f]	1992-1994	4.1	1994-2006	-3.6*							-3.6*	-3.6*

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

Table 23.2
Cancer of the Prostate (Invasive)

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Ages <65 by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-1988	3.1*	1988-1992	23.2*	1992-2001	3.5*	2001-2006	-1.1			0.9	-1.1
White	1975-1988	3.5*	1988-1992	23.2*	1992-2002	3.0*	2002-2006	-2.1			0.7	-2.1
Black	1975-1989	2.0*	1989-1993	25.9*	1993-2002	2.8*	2002-2006	-3.1*			0.1	-3.1*
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-2001	3.5*	2001-2006	-1.8							0.5	-1.8
White	1992-2001	3.5*	2001-2006	-1.8							0.5	-1.8
Black	1992-2001	3.9*	2001-2006	-2.9*							0.0	-2.9*
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-1985	2.4*	1985-1989	7.7	1989-1992	25.4*	1992-2001	3.3*	2001-2006	-1.5	0.6	-1.5
White	1975-1985	2.6*	1985-1989	8.8*	1989-1992	24.7*	1992-2002	2.8*	2002-2006	-2.8*	0.3	-2.8*
Black	1975-1989	2.0*	1989-1993	26.0*	1993-2002	2.6*	2002-2006	-4.1*			-0.4	-4.1*
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-2001	3.5*	2001-2006	-2.2							0.3	-2.2*
White	1992-2001	3.4*	2001-2006	-2.4							0.1	-2.4*
White NH[ef]	1992-2001	3.4*	2001-2006	-2.3							0.2	-2.3
Black	1992-2001	3.7*	2001-2006	-3.7*							-0.5	-3.7*
Black NH[ef]	1992-2001	3.7*	2001-2006	-3.5*							-0.4	-3.5*
API[e]	1992-2001	6.5*	2001-2006	-1.4							2.1	-1.4
AI/AN[eg]	1992-2006	-0.1									-0.1	-0.1
Hispanic[f]	1992-2002	4.6*	2002-2006	-3.6*							0.8	-3.6*
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1987	0.5*	1987-1990	3.1	1990-1996	-3.2*	1996-2000	-5.7*	2000-2006	-1.3*	-2.8*	-1.3*
White	1975-1987	0.7*	1987-1990	3.0	1990-1996	-3.6*	1996-2000	-6.2*	2000-2006	-1.0	-2.7*	-1.0
Black	1975-1992	0.5*	1992-2006	-2.9*							-2.9*	-2.9*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-1996	-3.3*	1996-2000	-5.7*	2000-2006	-1.3*					-2.8*	-1.3*
White	1992-1995	-2.7	1995-2000	-5.9*	2000-2006	-1.0					-2.7*	-1.0
White NH[ef]	1992-2001	-4.8*	2001-2006	-0.5							-2.4*	-0.5
Black	1992-2006	-3.1*									-3.1*	-3.1*
Black NH[ef]	1992-2006	-3.1*									-3.1*	-3.1*
API[e]	1992-2006	-0.2									-0.2	-0.2
AI/AN[eg]	1992-2006	-4.7*									-4.7*	-4.7*
Hispanic[f]	1992-2006	-3.0*									-3.0*	-3.0*

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

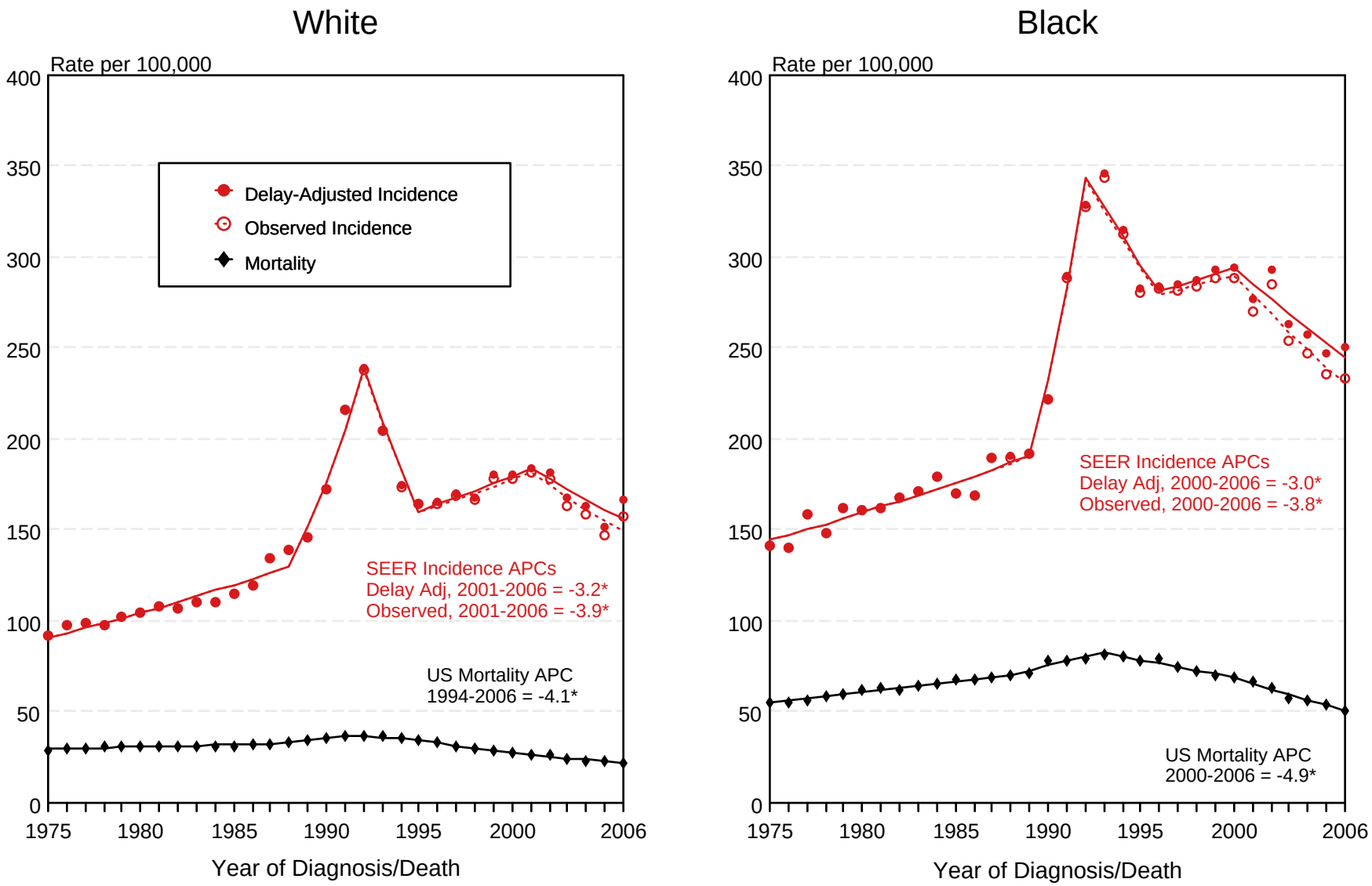
Table 23.3
Cancer of the Prostate (Invasive)

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Ages 65+ by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-1988	2.5*	1988-1992	15.1*	1992-1995	-14.9*	1995-2000	1.4	2000-2006	-3.2*	-1.7*	-3.2*
White	1975-1988	2.7*	1988-1992	15.0*	1992-1995	-15.9*	1995-2000	2.0	2000-2006	-3.2*	-1.5*	-3.2*
Black	1975-1989	2.0*	1989-1992	20.0*	1992-1995	-8.7	1995-2006	-2.6*			-2.6*	-2.6*
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-1995	-14.2*	1995-2000	1.1	2000-2006	-3.3*					-1.8*	-3.3*
White	1992-1995	-14.9*	1995-2001	1.1	2001-2006	-3.8*					-1.7*	-3.8*
Black	1992-1995	-9.6*	1995-2000	-1.0	2000-2006	-4.8*					-3.5*	-4.8*
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-1988	2.5*	1988-1992	15.1*	1992-1995	-15.0*	1995-2000	1.4	2000-2006	-3.5*	-1.9*	-3.5*
White	1975-1988	2.7*	1988-1992	14.9*	1992-1995	-15.7*	1995-2001	1.2	2001-2006	-4.6*	-2.0*	-4.6*
Black	1975-1989	2.0*	1989-1992	19.9*	1992-1995	-8.5	1995-2006	-3.1*			-3.1*	-3.1*
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-1995	-14.0*	1995-2001	0.5	2001-2006	-4.1*					-2.1*	-4.1*
White	1992-1995	-15.0*	1995-2001	0.9	2001-2006	-4.4*					-2.1*	-4.4*
White NH[ef]	1992-1995	-15.4*	1995-2001	1.1	2001-2006	-4.4*					-2.0*	-4.4*
Black	1992-1995	-9.7*	1995-2000	-1.2	2000-2006	-5.5*					-4.0*	-5.5*
Black NH[ef]	1992-1995	-9.8*	1995-2000	-1.2	2000-2006	-5.3*					-4.0*	-5.3*
API[e]	1992-1997	-7.8*	1997-2000	4.1	2000-2006	-3.2*					-0.8	-3.2*
AI/AN[eg]	1992-2006	-3.4*									-3.4*	-3.4*
Hispanic[f]	1992-2006	-2.5*									-2.5*	-2.5*
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1987	0.9*	1987-1991	3.1*	1991-1994	-0.3	1994-2006	-4.1*			-4.1*	-4.1*
White	1975-1987	0.8*	1987-1991	3.2*	1991-1994	-0.6	1994-2006	-4.1*			-4.1*	-4.1*
Black	1975-1988	2.1*	1988-1993	3.4*	1993-2000	-2.5*	2000-2006	-5.1*			-4.3*	-5.1*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-1994	-0.4	1994-2006	-4.1*							-4.1*	-4.1*
White	1992-1994	-0.8	1994-2006	-4.1*							-4.1*	-4.1*
White NH[ef]	1992-1994	-0.8	1994-2006	-4.1*							-4.1*	-4.1*
Black	1992-1996	-0.8	1996-2001	-3.3*	2001-2006	-5.3*					-4.4*	-5.3*
Black NH[ef]	1992-1998	-1.3*	1998-2006	-4.4*							-4.0*	-4.4*
API[e]	1992-2006	-4.6*									-4.6*	-4.6*
AI/AN[eg]	1992-2006	-2.9*									-2.9*	-2.9*
Hispanic[f]	1992-1995	1.7	1995-2006	-3.8*							-3.8*	-3.8*

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

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

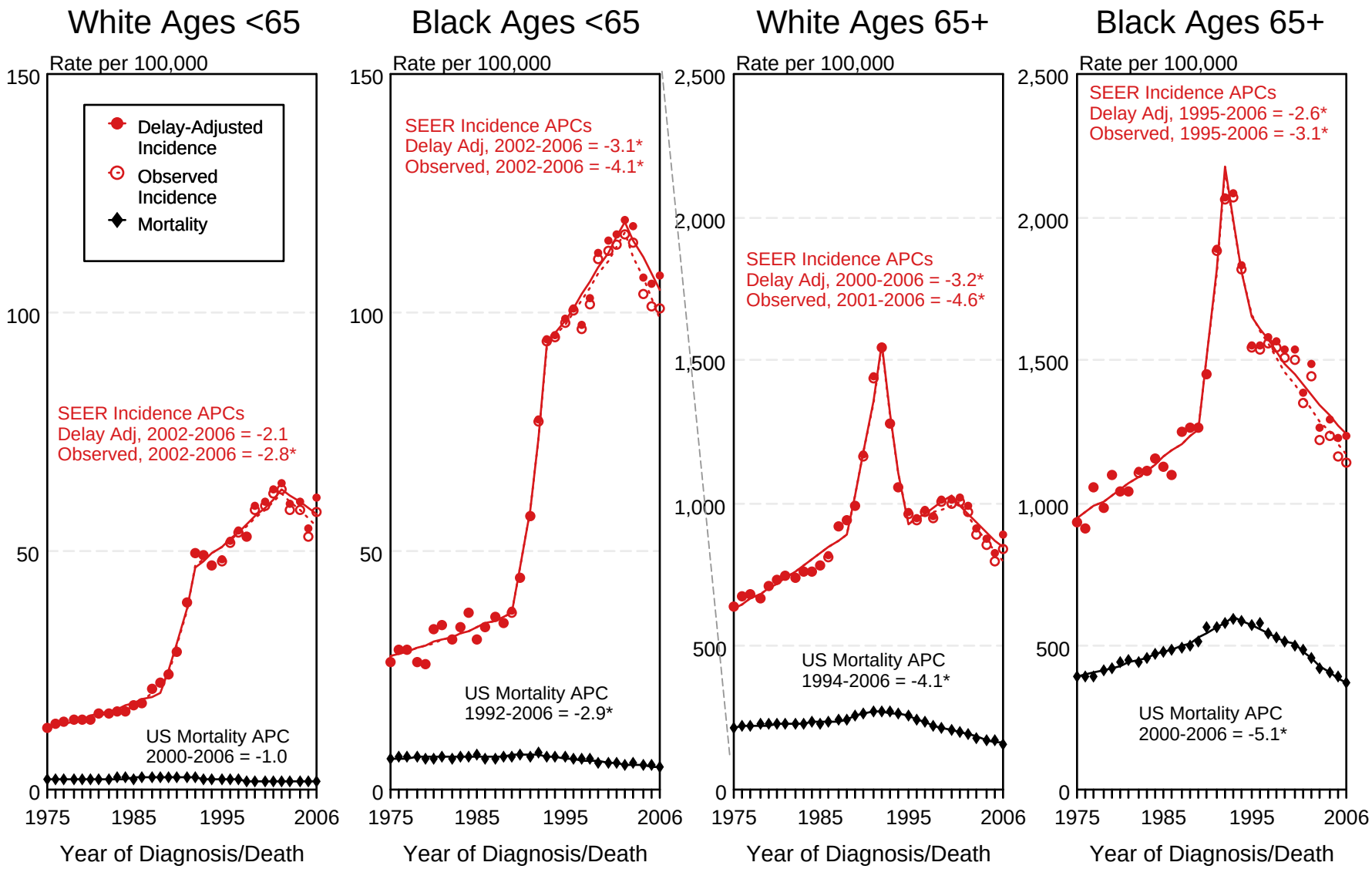


[a] Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute.
The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.

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

Figure 23.1

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



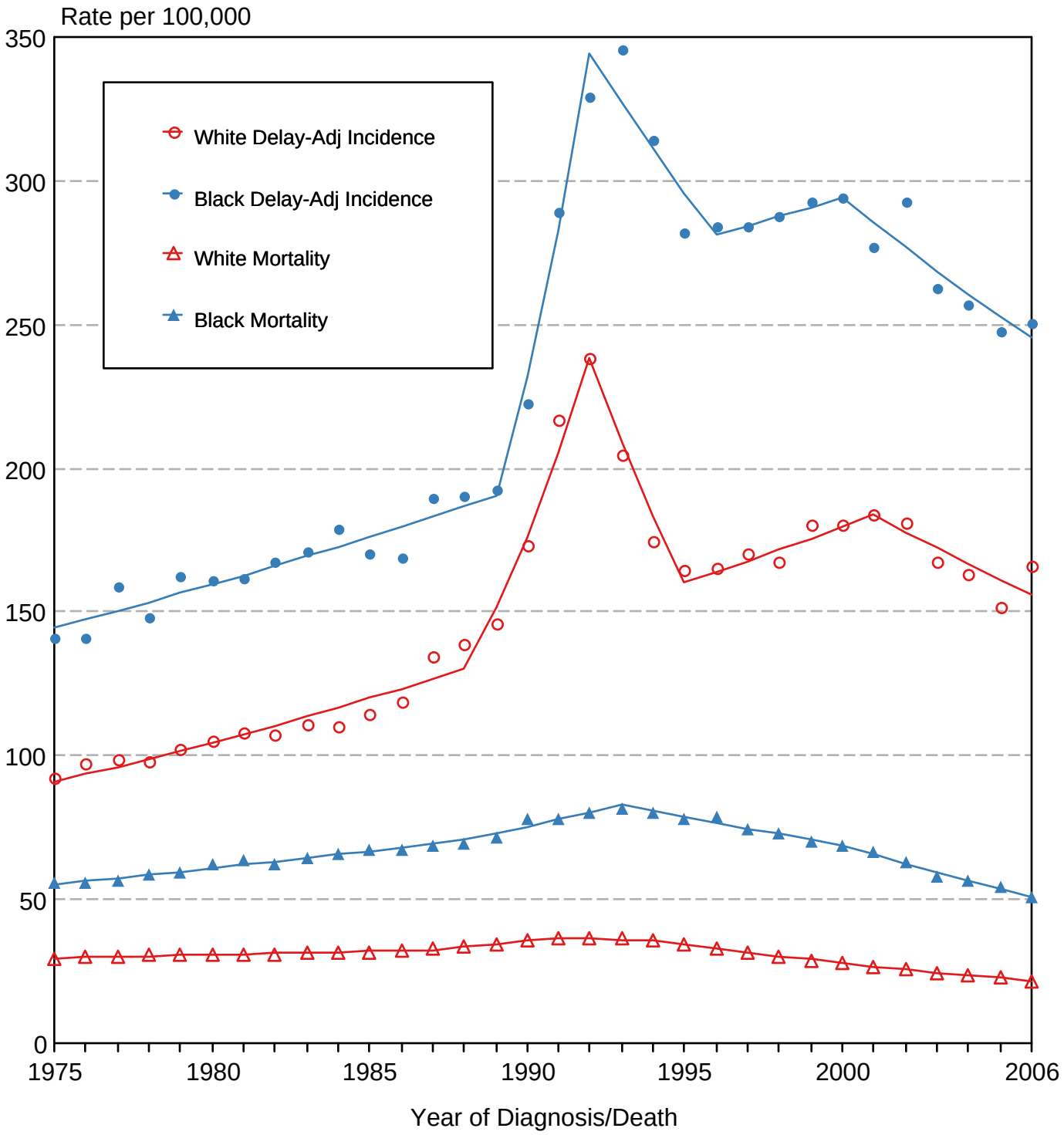
[a] Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute.
The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.

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

Figure 23.2

Figure 23.4

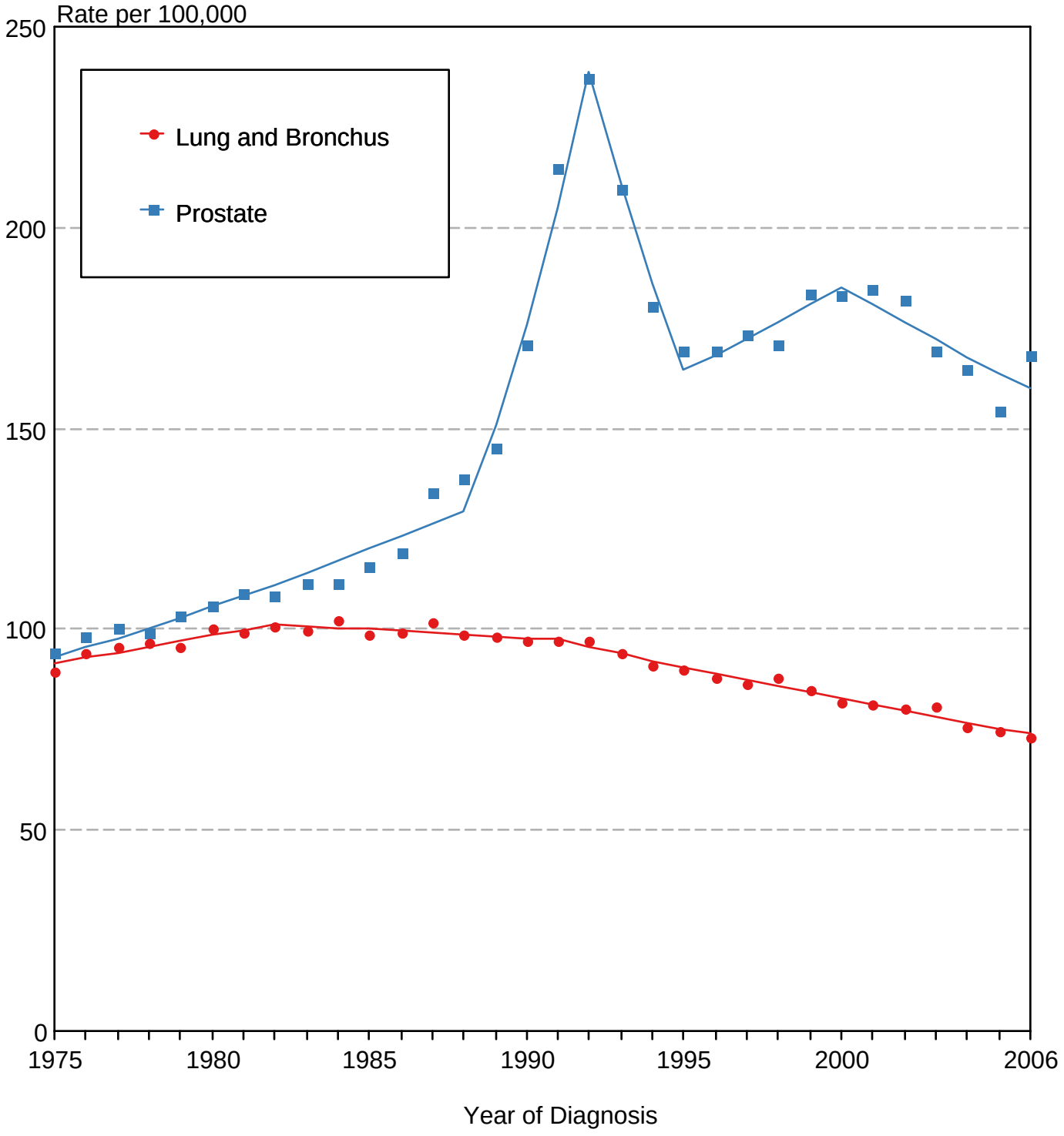
Cancer of the Prostate
Delay-Adjusted SEER Incidence & US Mortality
1975-2006



Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute.

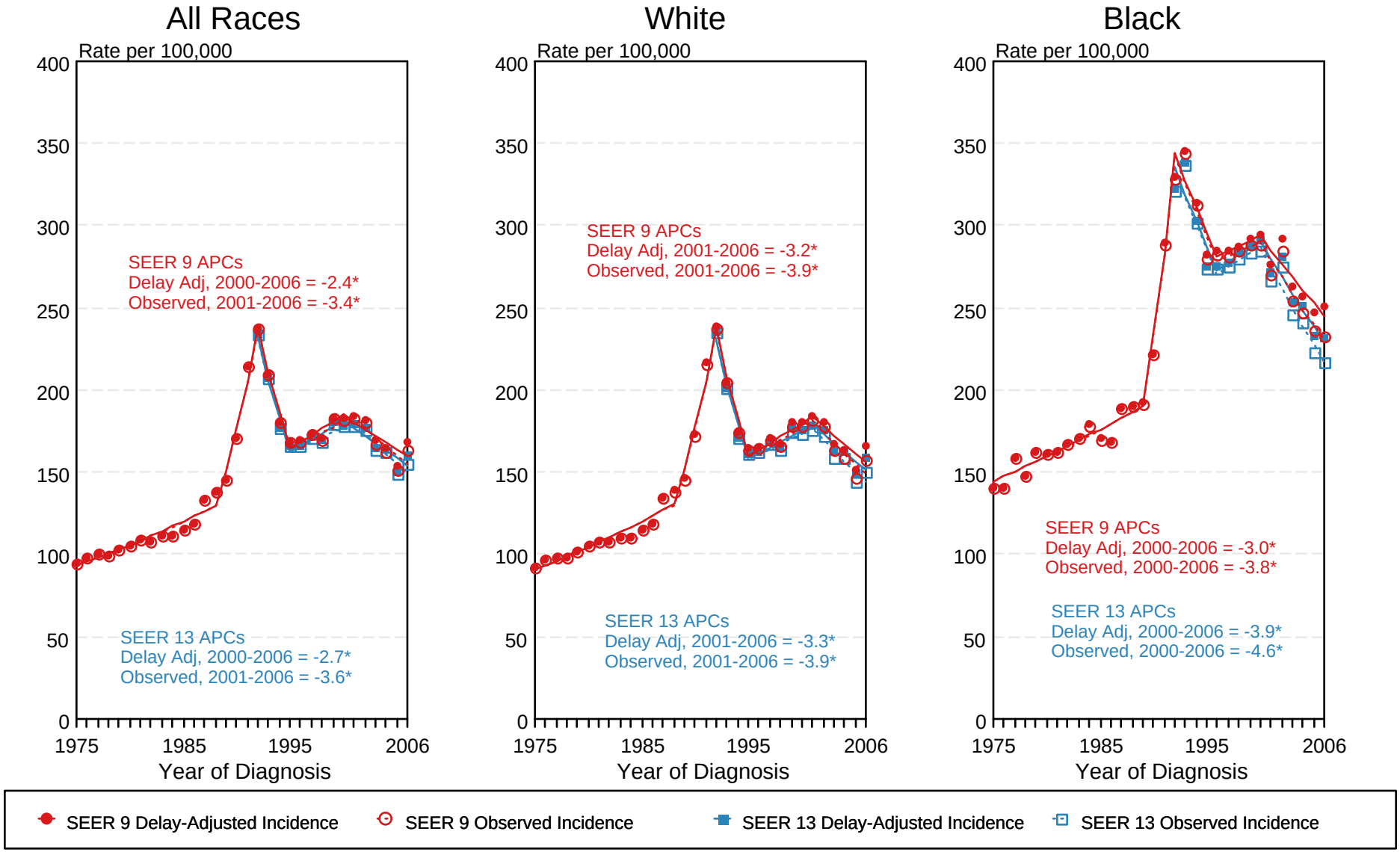
Figure 23.5

Delay-Adjusted Incidence Rates for Cancer of the Prostate and Cancer of the Lung and Bronchus
All Races, Males
1975-2006



Source: SEER 9 areas. Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute.

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



[a] Source: SEER 9 areas and SEER 13 areas.
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute.
The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.

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

Figure 23.6

Table 24.1
Cancer of the Stomach (Invasive)

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Both Sexes by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-2006	-1.6*									-1.6*	-1.6*
White	1975-2006	-1.8*									-1.8*	-1.8*
Black	1975-2006	-1.4*									-1.4*	-1.4*
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-2006	-1.4*									-1.4*	-1.4*
White	1992-2006	-1.3*									-1.3*	-1.3*
Black	1992-2006	-1.8*									-1.8*	-1.8*
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-2006	-1.6*									-1.6*	-1.6*
White	1975-2006	-1.9*									-1.9*	-1.9*
Black	1975-2006	-1.4*									-1.4*	-1.4*
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-2006	-1.4*									-1.4*	-1.4*
White	1992-2006	-1.4*									-1.4*	-1.4*
White NH[ef]	1992-2006	-1.8*									-1.8*	-1.8*
Black	1992-2006	-1.9*									-1.9*	-1.9*
Black NH[ef]	1992-2006	-1.9*									-1.9*	-1.9*
API[e]	1992-2006	-3.2*									-3.2*	-3.2*
AI/AN[eg]	1992-2006	0.6									0.6	0.6
Hispanic[f]	1992-2006	-1.7*									-1.7*	-1.7*
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1987	-2.6*	1987-1990	-0.2	1990-2006	-3.1*					-3.1*	-3.1*
White	1975-1987	-2.8*	1987-1990	-0.7	1990-2006	-3.3*					-3.3*	-3.3*
Black	1975-1987	-1.6*	1987-1990	1.0	1990-2000	-2.5*	2000-2006	-4.2*			-3.7*	-4.2*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-1995	-2.1*	1995-2006	-3.3*							-3.3*	-3.3*
White	1992-2006	-3.2*									-3.2*	-3.2*
White NH[ef]	1992-1995	-2.1*	1995-2006	-3.7*							-3.7*	-3.7*
Black	1992-1999	-2.3*	1999-2006	-4.1*							-3.7*	-4.1*
Black NH[ef]	1992-2000	-2.0*	2000-2006	-4.3*							-3.6*	-4.3*
API[e]	1992-2006	-3.9*									-3.9*	-3.9*
AI/AN[eg]	1992-2006	-1.0									-1.0	-1.0
Hispanic[f]	1992-2004	-1.8*	2004-2006	-7.7							-3.2*	-4.8*

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

Table 24.2
Cancer of the Stomach (Invasive)

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Males by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-1988	-1.2*	1988-2006	-2.0*							-2.0*	-2.0*
White	1975-2006	-1.9*									-1.9*	-1.9*
Black	1975-1982	2.3	1982-2006	-2.1*							-2.1*	-2.1*
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-2006	-1.9*									-1.9*	-1.9*
White	1992-2006	-1.9*									-1.9*	-1.9*
Black	1992-2006	-2.4*									-2.4*	-2.4*
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-1988	-1.2*	1988-2006	-2.0*							-2.0*	-2.0*
White	1975-2006	-1.9*									-1.9*	-1.9*
Black	1975-1982	2.4	1982-2006	-2.2*							-2.2*	-2.2*
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-2006	-2.0*									-2.0*	-2.0*
White	1992-2006	-2.0*									-2.0*	-2.0*
White NH[ef]	1992-2006	-2.2*									-2.2*	-2.2*
Black	1992-2006	-2.5*									-2.5*	-2.5*
Black NH[ef]	1992-2006	-2.5*									-2.5*	-2.5*
API[e]	1992-2006	-3.0*									-3.0*	-3.0*
AI/AN[eg]	1992-2006	0.5									0.5	0.5
Hispanic[f]	1992-2006	-2.6*									-2.6*	-2.6*
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1994	-2.1*	1994-2006	-3.7*							-3.7*	-3.7*
White	1975-1994	-2.3*	1994-2006	-3.9*							-3.9*	-3.9*
Black	1975-1994	-1.2*	1994-2006	-3.6*							-3.6*	-3.6*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-1994	-1.3	1994-2006	-3.7*							-3.7*	-3.7*
White	1992-1994	-1.6	1994-2006	-3.9*							-3.9*	-3.9*
White NH[ef]	1992-1995	-1.6	1995-2006	-4.2*							-4.2*	-4.2*
Black	1992-1996	-1.3	1996-2006	-3.9*							-3.9*	-3.9*
Black NH[ef]	1992-2006	-3.1*									-3.1*	-3.1*
API[e]	1992-2006	-3.9*									-3.9*	-3.9*
AI/AN[eg]	1992-2006	-0.6									-0.6	-0.6
Hispanic[f]	1992-2004	-2.1*	2004-2006	-10.1*							-4.0*	-6.2*

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

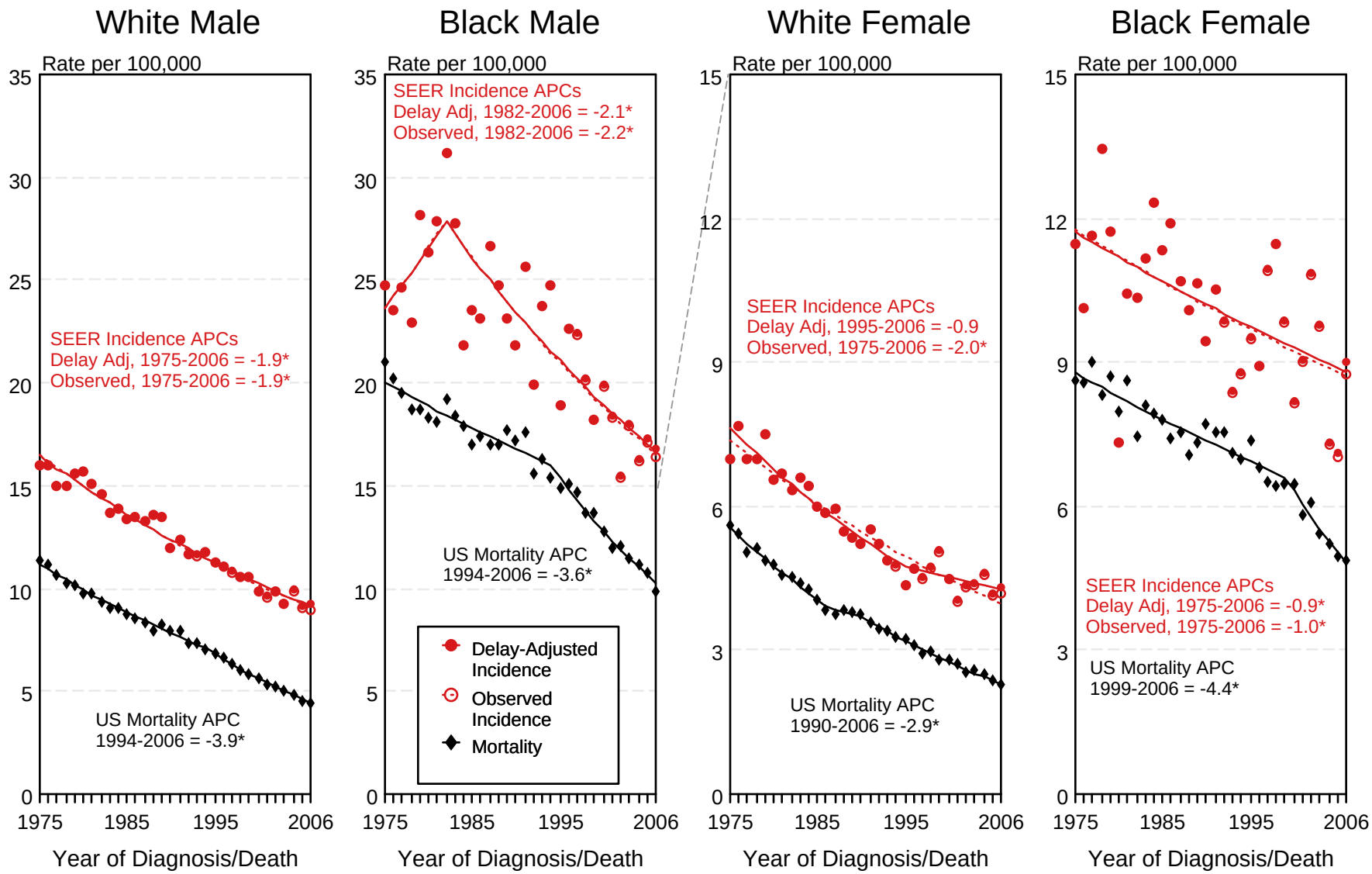
Table 24.3
Cancer of the Stomach (Invasive)

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Females by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-2006	-1.6*									-1.6*	-1.6*
White	1975-1995	-2.3*	1995-2006	-0.9							-0.9*	-0.9*
Black	1975-2006	-0.9*									-0.9*	-0.9*
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-2006	-0.8*									-0.8*	-0.8*
White	1992-2006	-0.7*									-0.7*	-0.7*
Black	1992-2006	-1.0									-1.0	-1.0
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-2006	-1.6*									-1.6*	-1.6*
White	1975-2006	-2.0*									-2.0*	-2.0*
Black	1975-2006	-1.0*									-1.0*	-1.0*
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-2006	-0.8*									-0.8*	-0.8*
White	1992-2006	-0.9*									-0.9*	-0.9*
White NH[ef]	1992-2006	-1.5*									-1.5*	-1.5*
Black	1992-2006	-1.1									-1.1	-1.1
Black NH[ef]	1992-2006	-1.1									-1.1	-1.1
API[e]	1992-2006	-3.1*									-3.1*	-3.1*
AI/AN[eg]	1992-2006	1.1									1.1	1.1
Hispanic[f]	1992-2006	-0.7*									-0.7*	-0.7*
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1987	-2.8*	1987-1990	-0.3	1990-2006	-2.7*					-2.7*	-2.7*
White	1975-1987	-3.1*	1987-1990	-1.0	1990-2006	-2.9*					-2.9*	-2.9*
Black	1975-1999	-1.2*	1999-2006	-4.4*							-3.7*	-4.4*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-2006	-2.7*									-2.7*	-2.7*
White	1992-2006	-2.9*									-2.9*	-2.9*
White NH[ef]	1992-2006	-3.2*									-3.2*	-3.2*
Black	1992-2000	-2.0*	2000-2006	-4.4*							-3.6*	-4.4*
Black NH[ef]	1992-2000	-1.3*	2000-2006	-4.8*							-3.6*	-4.8*
API[e]	1992-2006	-3.7*									-3.7*	-3.7*
AI/AN[eg]	1992-2002	3.4	2002-2006	-16.7*							-6.1	-16.7*
Hispanic[f]	1992-2006	-1.8*									-1.8*	-1.8*

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

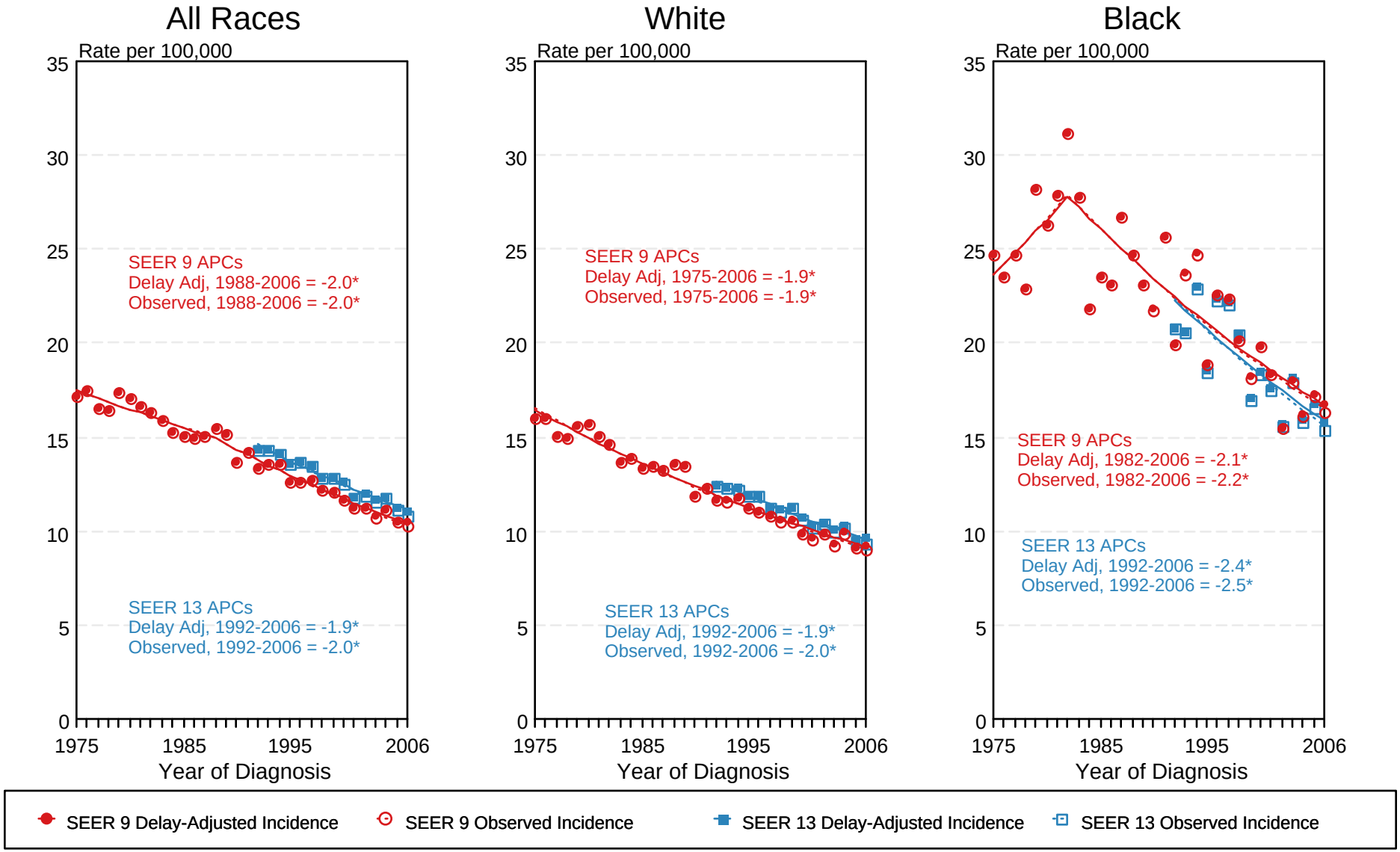
SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates[a]
Cancer of the Stomach, by Race and Sex



[a] Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, 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 24.1

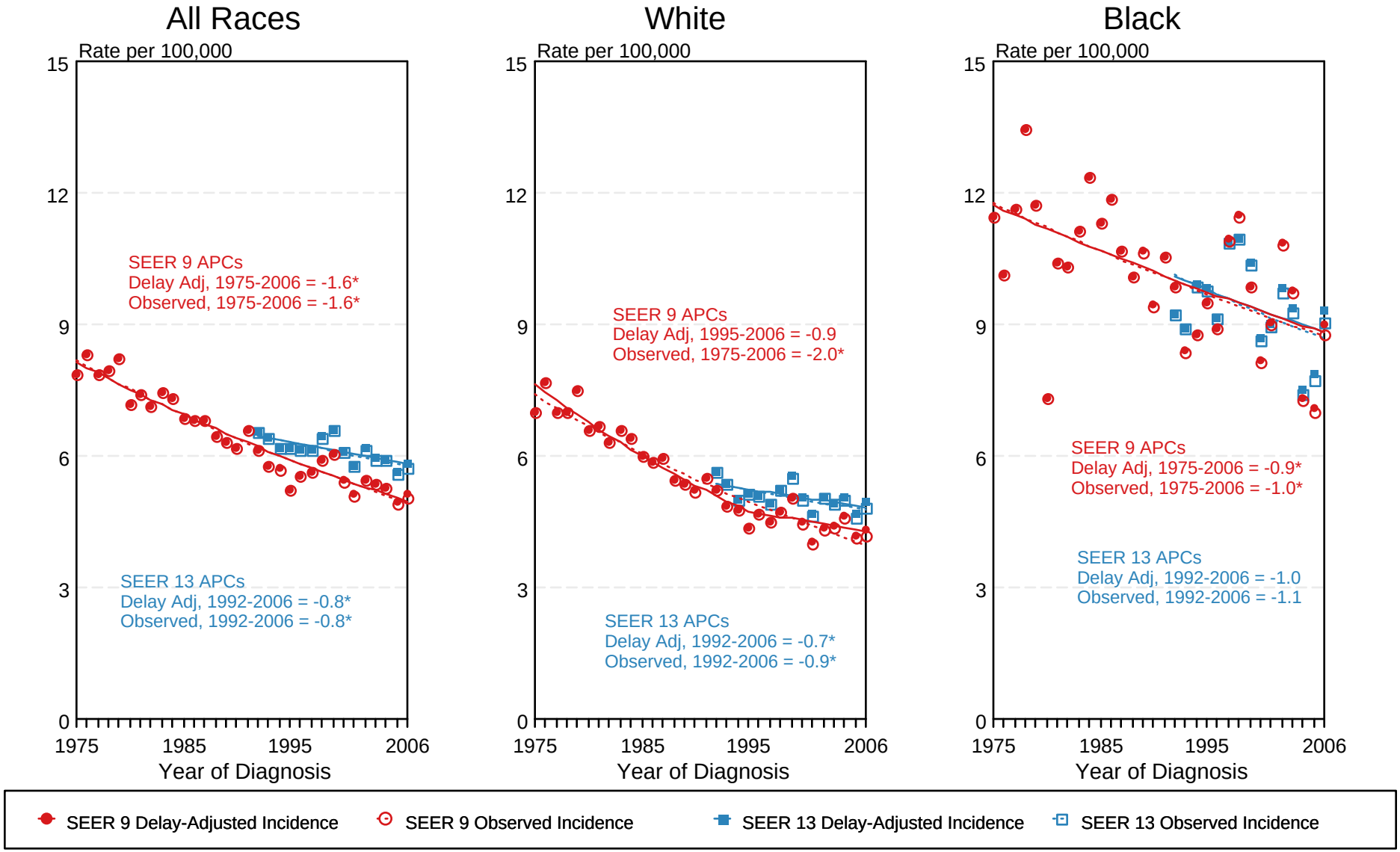
SEER Observed Incidence and SEER Delay Adjusted Incidence Rates[a]
SEER 9 Areas Compared to SEER 13 Areas
Cancer of the Stomach, Male, by Race



[a] Source: SEER 9 areas and SEER 13 areas.
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute.
The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.

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

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



[a] Source: SEER 9 areas and SEER 13 areas.
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, 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

Table 25.1
Cancer of the Testis (Invasive)

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
All Ages by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-2006	1.4*									1.4*	1.4*
White	1975-2006	1.6*									1.6*	1.6*
Black	1975-2006	2.2*									2.2*	2.2*
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	-	-									-	-
White	-	-									-	-
Black	-	-									-	-
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-1989	2.3*	1989-2006	0.7*							0.7*	0.7*
White	1975-1989	2.6*	1989-2006	1.0*							1.0*	1.0*
Black	1975-2006	2.2*									2.2*	2.2*
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-2006	1.0*									1.0*	1.0*
White	1992-2006	1.2*									1.2*	1.2*
White NH[ef]	1992-2006	1.6*									1.6*	1.6*
Black	1992-1995	29.4	1995-2006	-1.3							-1.3	-1.3
Black NH[ef]	1992-2006	1.5									1.5	1.5
API[e]	1992-2006	0.5									0.5	0.5
AI/AN[eg]	1992-2006	3.4									3.4	3.4
Hispanic[f]	1992-2006	1.9*									1.9*	1.9*
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1981	-10.5*	1981-1995	-3.1*	1995-2006	-0.2					-0.2	-0.2
White	1975-1981	-10.9*	1981-1995	-2.9*	1995-2006	-0.3					-0.3	-0.3
Black	1975-2006	-1.8*									-1.8*	-1.8*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-2006	-0.8									-0.8*	-0.8*
White	1992-2006	-0.9									-0.9*	-0.9*
White NH[ef]	1992-2006	-0.9*									-0.9*	-0.9*
Black	1992-2006	1.5									1.5	1.5
Black NH[ef]	1992-2006	1.5									1.5	1.5
API[e]	1992-2006	4.4									4.4	4.4
AI/AN[eg]	-	-									-	-
Hispanic[f]	1992-2006	-0.6									-0.6	-0.6

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

Table 25.2
Cancer of the Testis (Invasive)

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Ages <50 by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-1987	3.0*	1987-2006	1.0*							1.0*	1.0*
White	1975-1987	3.3*	1987-2006	1.3*							1.3*	1.3*
Black	1975-2006	2.1*									2.1*	2.1*
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	-	-									-	-
White	-	-									-	-
Black	-	-									-	-
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-1989	2.7*	1989-2006	0.8*							0.8*	0.8*
White	1975-1987	3.4*	1987-2006	1.1*							1.1*	1.1*
Black	1975-2006	2.0*									2.0*	2.0*
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-2006	1.1*									1.1*	1.1*
White	1992-2006	1.3*									1.3*	1.3*
White NH[ef]	1992-2006	1.6*									1.6*	1.6*
Black	1992-2006	1.0									1.0	1.0
Black NH[ef]	1992-2006	0.8									0.8	0.8
API[e]	1992-2006	0.1									0.1	0.1
AI/AN[eg]	1992-2006	3.3									3.3	3.3
Hispanic[f]	1992-2006	2.2*									2.2*	2.2*
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1983	-9.8*	1983-2006	-1.7*							-1.7*	-1.7*
White	1975-1982	-10.9*	1982-2006	-1.8*							-1.8*	-1.8*
Black	1975-2006	-0.9*									-0.9*	-0.9*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-2006	-1.1*									-1.1*	-1.1*
White	1992-2006	-1.2*									-1.2*	-1.2*
White NH[ef]	1992-2006	-1.4*									-1.4*	-1.4*
Black	1992-2006	1.1									1.1	1.1
Black NH[ef]	1992-2006	0.8									0.8	0.8
API[e]	1992-2006	5.6*									5.6*	5.6*
AI/AN[eg]	-	-									-	-
Hispanic[f]	1992-2006	0.6									0.6	0.6

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

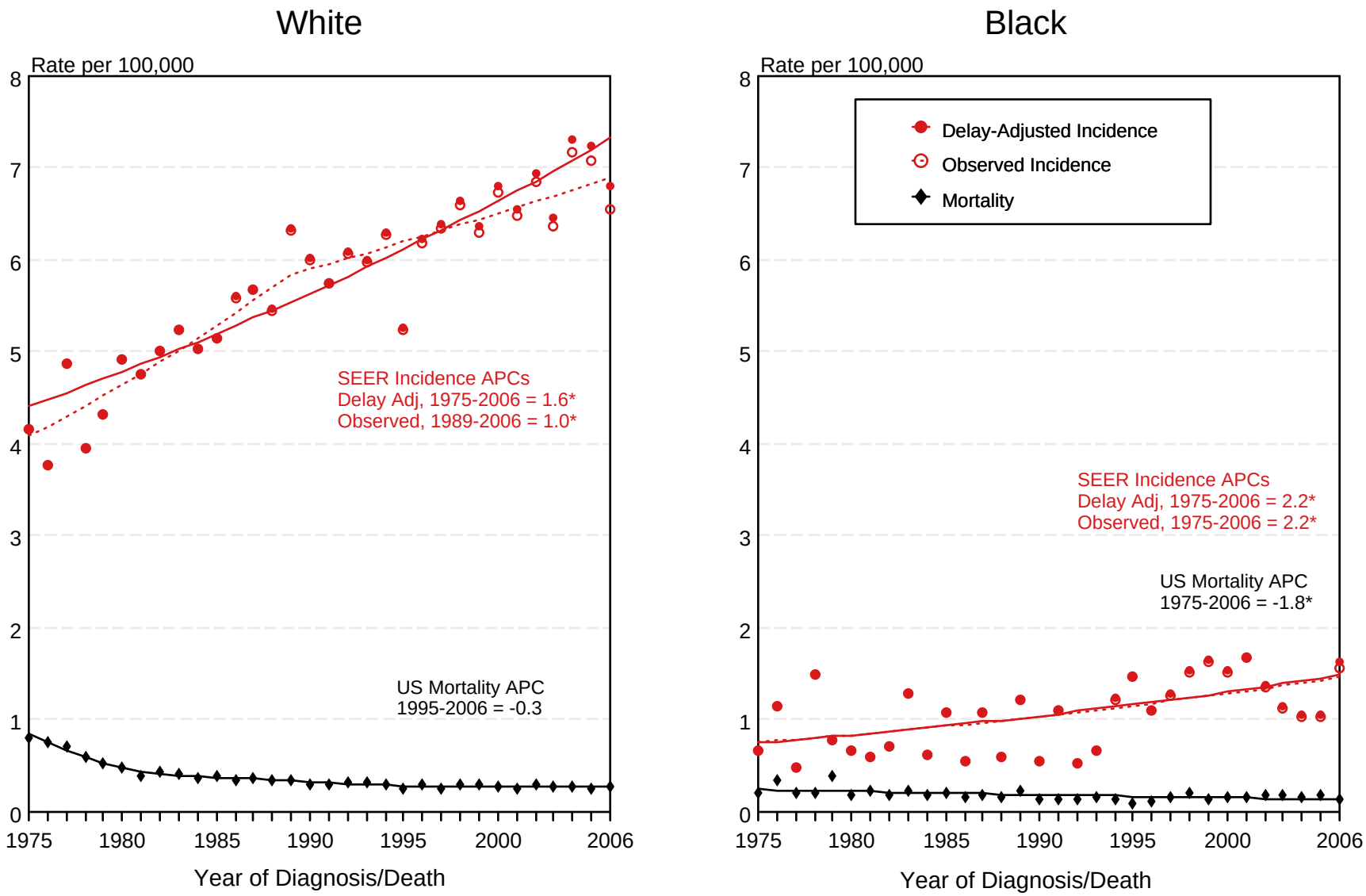
Table 25.3
Cancer of the Testis (Invasive)

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Ages 50+ by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-2006	0.1									0.1	0.1
White	1975-2006	0.1									0.1	0.1
Black	-	-									-	-
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	-	-									-	-
White	-	-									-	-
Black	-	-									-	-
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-2006	0.0									0.0	0.0
White	1975-2006	0.0									0.0	0.0
Black	-	-									-	-
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-2006	0.8									0.8	0.8
White	1992-2006	0.7									0.7	0.7
White NH[ef]	1992-2006	1.1									1.1	1.1
Black	-	-									-	-
Black NH[ef]	-	-									-	-
API[e]	1992-2006	5.2									5.2	5.2
AI/AN[eg]	-	-									-	-
Hispanic[f]	1992-2006	-1.4									-1.4	-1.4
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1991	-5.7*	1991-2006	0.1							0.1	0.1
White	1975-1990	-6.0*	1990-2006	0.0							0.0	0.0
Black	1975-2006	-2.9*									-2.9*	-2.9*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-2006	0.1									0.1	0.1
White	1992-2006	0.1									0.1	0.1
White NH[ef]	1992-2006	0.5									0.5	0.5
Black	1992-2006	2.0									2.0	2.0
Black NH[ef]	1992-2006	4.0									4.0	4.0
API[e]	-	-									-	-
AI/AN[eg]	-	-									-	-
Hispanic[f]	1992-2006	-4.3									-4.3	-4.3

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

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

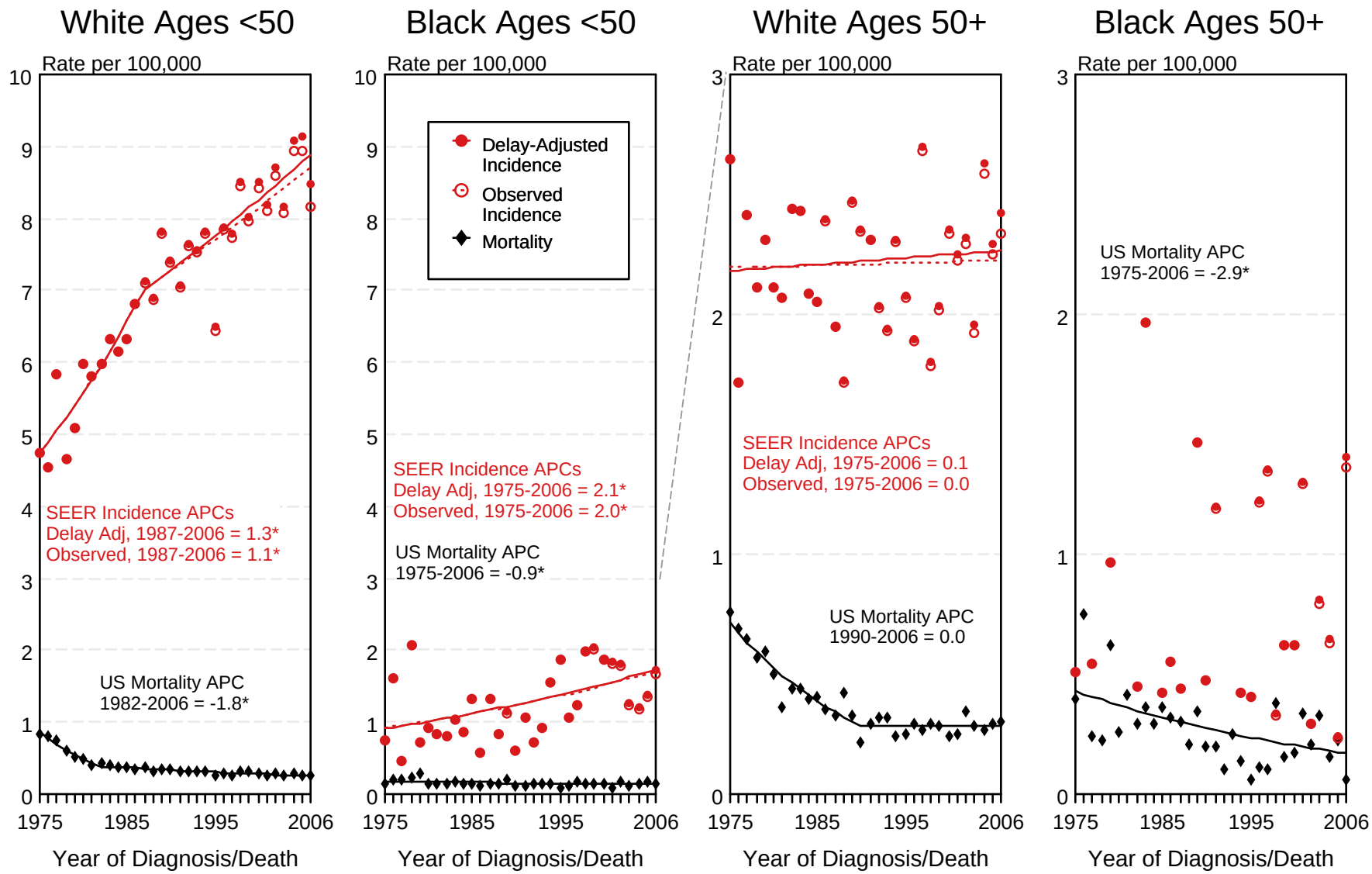


[a] Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer 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 25.1

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



[a] Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, 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 25.2

Table 26.1
Cancer of the Thyroid (Invasive)

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Both Sexes by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-1977	6.2	1977-1980	-6.7	1980-1997	2.4*	1997-2006	6.5*			6.5*	6.5*
White	1975-1977	7.2	1977-1980	-6.6	1980-1997	2.7*	1997-2006	7.0*			7.0*	7.0*
Black	1975-1988	-1.0	1988-2006	4.6*							4.6*	4.6*
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-1998	3.1*	1998-2006	6.3*							6.0*	6.3*
White	1992-1998	3.6*	1998-2006	6.6*							6.3*	6.6*
Black	1992-1995	-4.0	1995-2006	6.7*							6.7*	6.7*
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-1977	6.2	1977-1980	-6.7	1980-1997	2.4*	1997-2006	6.2*			6.2*	6.2*
White	1975-1977	7.2	1977-1980	-6.6	1980-1997	2.7*	1997-2006	6.7*			6.7*	6.7*
Black	1975-1988	-1.0	1988-2006	4.4*							4.4*	4.4*
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-1998	3.1*	1998-2006	6.1*							5.8*	6.1*
White	1992-1998	3.6*	1998-2006	6.4*							6.1*	6.4*
White NH[ef]	1992-1998	4.3*	1998-2006	6.7*							6.4*	6.7*
Black	1992-1995	-4.0	1995-2006	6.4*							6.4*	6.4*
Black NH[ef]	1992-1995	-4.2	1995-2006	6.4*							6.4*	6.4*
API[e]	1992-1996	-2.2	1996-2006	3.5*							3.5*	3.5*
AI/AN[eg]	1992-2006	2.5									2.5	2.5
Hispanic[f]	1992-1995	-5.1	1995-2006	4.9*							4.9*	4.9*
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1987	-2.2*	1987-2006	0.5*							0.5*	0.5*
White	1975-1988	-2.2*	1988-2006	0.7*							0.7*	0.7*
Black	1975-2006	-0.3									-0.3	-0.3
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-2006	0.6*									0.6*	0.6*
White	1992-2006	0.6*									0.6*	0.6*
White NH[ef]	1992-2006	0.8*									0.8*	0.8*
Black	1992-2006	0.9									0.9	0.9
Black NH[ef]	1992-2006	1.0									1.0	1.0
API[e]	1992-2006	-2.4*									-2.4*	-2.4*
AI/AN[eg]	1992-2006	-0.5									-0.5	-0.5
Hispanic[f]	1992-2006	-0.6									-0.6	-0.6

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

Table 26.2
Cancer of the Thyroid (Invasive)

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Males by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-1980	-4.7*	1980-1998	1.9*	1998-2006	6.1*					5.7*	6.1*
White	1975-1977	9.7	1977-1980	-9.2	1980-1999	2.7*	1999-2006	6.9*			6.0*	6.9*
Black	1975-2006	2.4*									2.4*	2.4*
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-1996	-1.1	1996-2006	5.4*							5.4*	5.4*
White	1992-1998	1.6	1998-2006	6.2*							5.7*	6.2*
Black	1992-1995	-13.3	1995-2006	6.3*							6.3*	6.3*
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-1980	-4.7*	1980-1998	1.9*	1998-2006	5.8*					5.4*	5.8*
White	1975-1977	9.7	1977-1980	-9.2	1980-1999	2.6*	1999-2006	6.6*			5.7*	6.6*
Black	1975-2006	2.3*									2.3*	2.3*
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-1995	-3.1	1995-2006	5.0*							5.0*	5.0*
White	1992-1995	-2.1	1995-2006	5.3*							5.3*	5.3*
White NH[ef]	1992-1998	2.0	1998-2006	6.5*							6.0*	6.5*
Black	1992-1995	-13.3	1995-2006	6.0*							6.0*	6.0*
Black NH[ef]	1992-1995	-13.2	1995-2006	6.0*							6.0*	6.0*
API[e]	1992-2006	1.0									1.0	1.0
AI/AN[eg]	1992-2006	3.0									3.0	3.0
Hispanic[f]	1992-2006	3.2*									3.2*	3.2*
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1983	-2.9*	1983-2006	1.0*							1.0*	1.0*
White	1975-1983	-2.9*	1983-2006	1.1*							1.1*	1.1*
Black	1975-2006	-0.2									-0.2	-0.2
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-2006	1.4*									1.4*	1.4*
White	1992-2006	1.6*									1.6*	1.6*
White NH[ef]	1992-2006	1.6*									1.6*	1.6*
Black	1992-2006	0.9									0.9	0.9
Black NH[ef]	1992-2002	4.4	2002-2006	-11.4							-3.0	-11.4
API[e]	1992-2006	-2.2									-2.2	-2.2
AI/AN[eg]	-	-									-	-
Hispanic[f]	1992-2006	3.1*									3.1*	3.1*

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

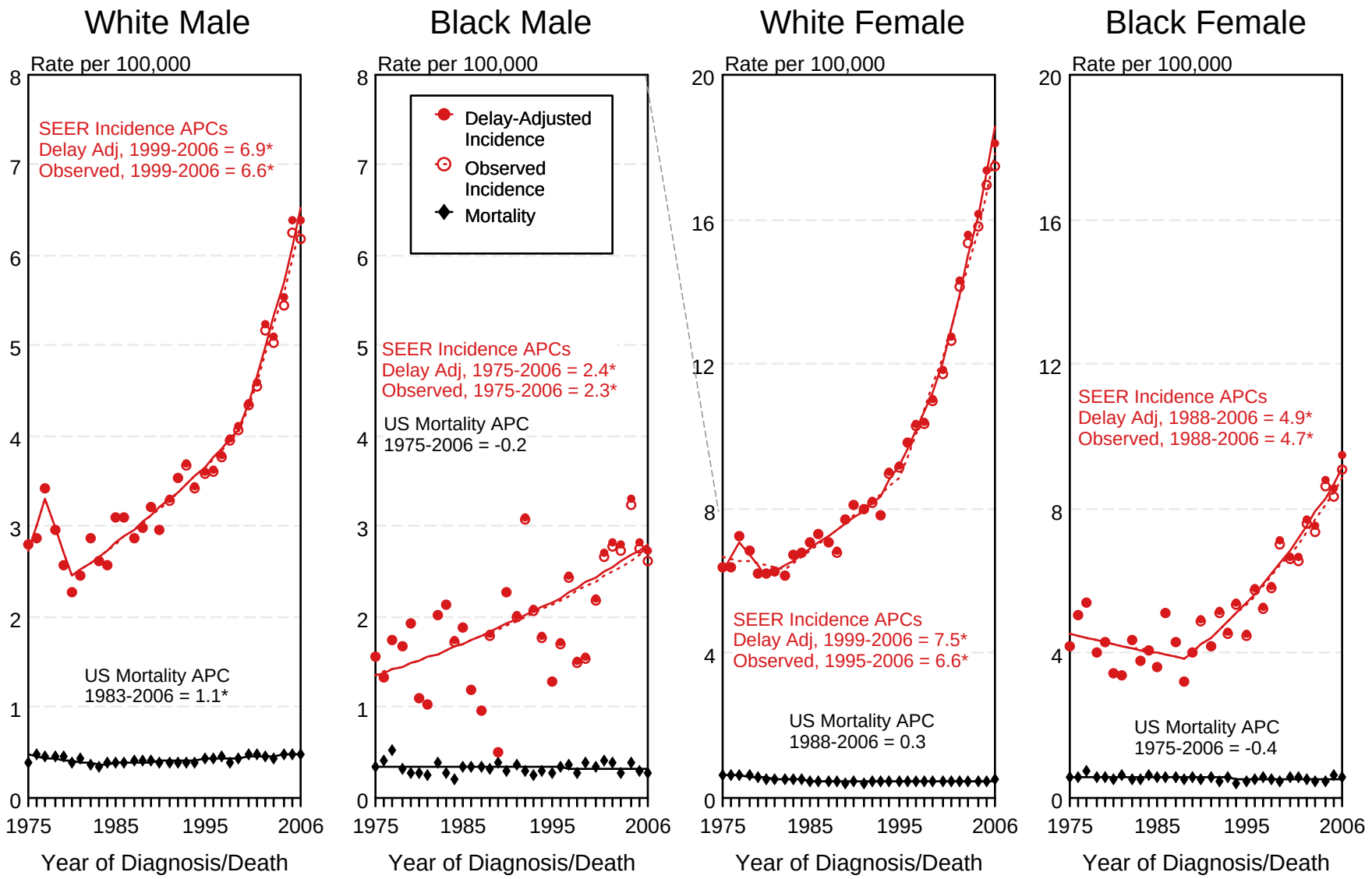
Table 26.3
Cancer of the Thyroid (Invasive)

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Females by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-1977	6.5	1977-1980	-5.3	1980-1995	2.3*	1995-2006	6.3*			6.3*	6.3*
White	1975-1977	6.4	1977-1980	-4.8	1980-1993	2.4*	1993-1999	5.1*	1999-2006	7.5*	6.9*	7.5*
Black	1975-1988	-1.3	1988-2006	4.9*							4.9*	4.9*
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-1998	3.9*	1998-2006	6.5*							6.2*	6.5*
White	1992-1998	4.4*	1998-2006	6.9*							6.6*	6.9*
Black	1992-1998	3.1*	1998-2006	7.4*							6.9*	7.4*
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-1977	6.5	1977-1980	-5.3	1980-1995	2.3*	1995-2006	6.0*			6.0*	6.0*
White	1975-1982	-0.7	1982-1995	2.6*	1995-2006	6.6*					6.6*	6.6*
Black	1975-1988	-1.3	1988-2006	4.7*							4.7*	4.7*
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-1998	3.8*	1998-2006	6.3*							6.0*	6.3*
White	1992-1998	4.4*	1998-2006	6.6*							6.4*	6.6*
White NH[ef]	1992-2000	5.4*	2000-2003	8.7*	2003-2006	4.9*					6.3*	5.8*
Black	1992-2006	5.7*									5.7*	5.7*
Black NH[ef]	1992-2001	4.2*	2001-2006	8.4*							6.5*	8.4*
API[e]	1992-2006	2.9*									2.9*	2.9*
AI/AN[eg]	1992-2006	2.7									2.7	2.7
Hispanic[f]	1992-1997	-0.4	1997-2006	5.6*							5.6*	5.6*
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1988	-2.5*	1988-2006	0.3							0.3	0.3
White	1975-1988	-2.8*	1988-2006	0.3							0.3	0.3
Black	1975-2006	-0.4									-0.4	-0.4
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-1994	-5.9	1994-2006	0.7*							0.7*	0.7*
White	1992-1994	-5.2	1994-2006	0.6*							0.6*	0.6*
White NH[ef]	1992-1994	-5.5	1994-2006	0.8*							0.8*	0.8*
Black	1992-2006	1.1									1.1	1.1
Black NH[ef]	1992-2006	1.2									1.2	1.2
API[e]	1992-2006	-2.6*									-2.6*	-2.6*
AI/AN[eg]	1992-2006	-1.3									-1.3	-1.3
Hispanic[f]	1992-2006	-2.3*									-2.3*	-2.3*

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

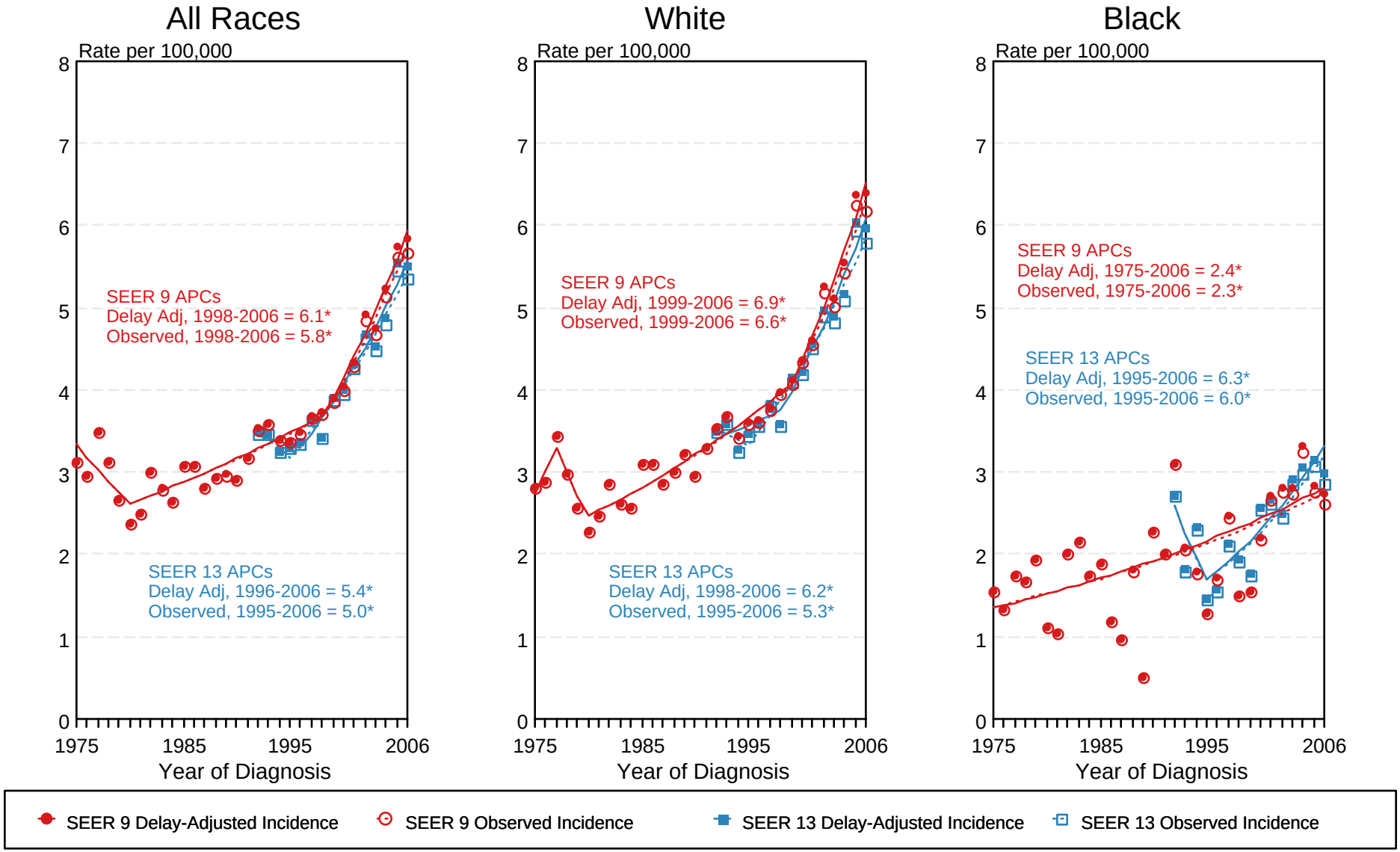
SEER Observed Incidence, SEER Delay Adjusted Incidence and US Death Rates[a]
Cancer of the Thyroid, by Race and Sex



[a] Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, 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 26.1

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

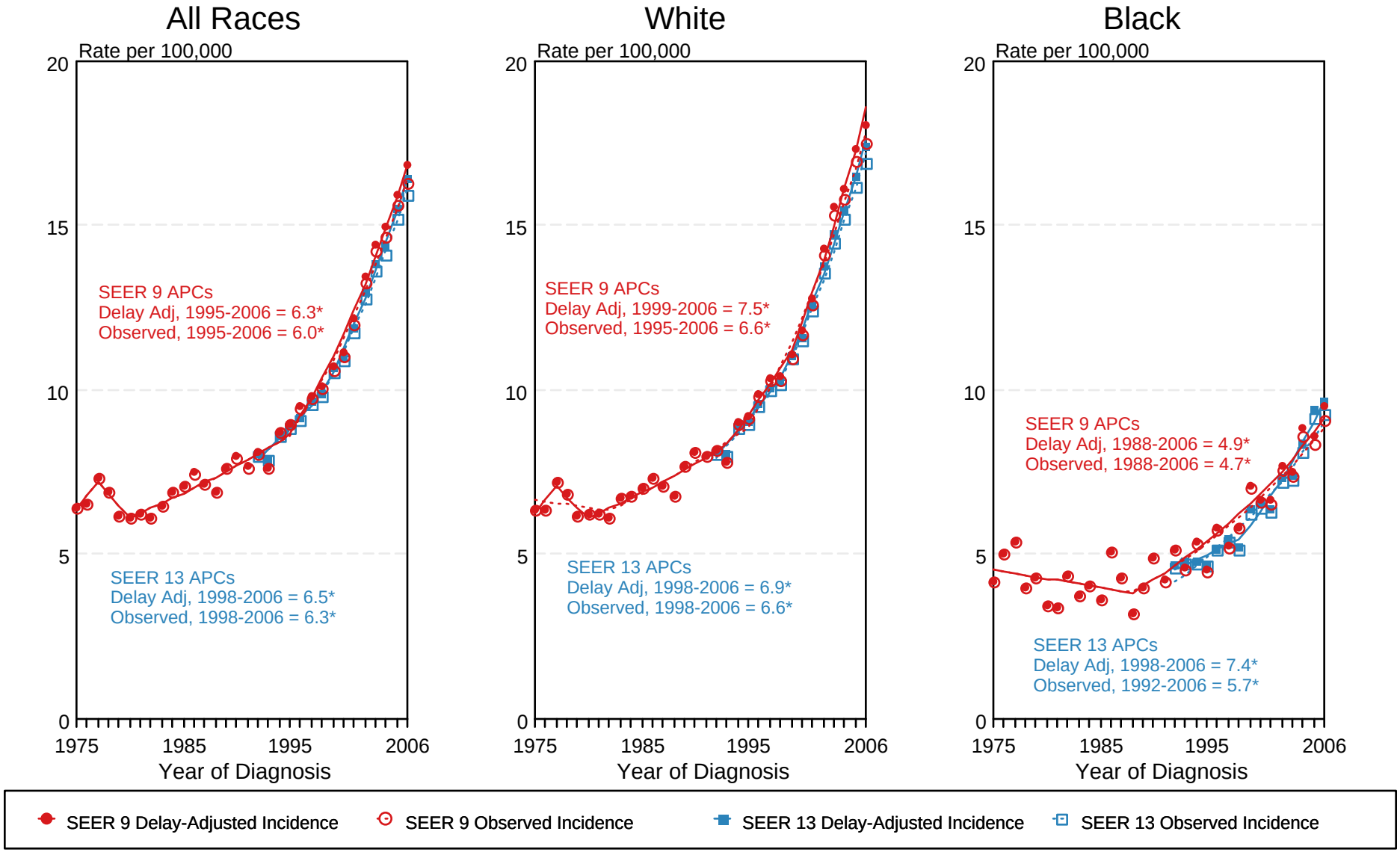


[a] Source: SEER 9 areas and SEER 13 areas.
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute.
The APC is the Annual Percent Change 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, Female, by Race



[a] Source: SEER 9 areas and SEER 13 areas.
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, 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 26.4

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,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Both Sexes by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-1987	0.8*	1987-1996	-0.2	1996-1999	1.6	1999-2006	-0.4			0.1	-0.4
White	1975-1987	1.0*	1987-1996	0.0	1996-1999	1.9	1999-2006	-0.2			0.3	-0.2
Black	1975-2006	0.2									0.2	0.2
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-1994	-1.4	1994-2004	0.3	2004-2006	-2.0					-0.2	-0.9
White	1992-2004	0.4*	2004-2006	-2.0							-0.2	-0.8
Black	1992-2006	0.6									0.6	0.6
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-1987	0.8*	1987-1996	-0.2	1996-1999	1.7	1999-2006	-0.7*			-0.2	-0.7*
White	1975-1987	1.0*	1987-1996	-0.1	1996-2000	1.4	2000-2006	-0.8*			-0.1	-0.8*
Black	1975-2006	0.2									0.2	0.2
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-2004	0.1	2004-2006	-2.5							-0.5	-1.2
White	1992-2004	0.2	2004-2006	-3.1							-0.5	-1.5
White NH[ef]	1992-2004	0.4*	2004-2006	-3.1							-0.4	-1.4
Black	1992-2006	0.3									0.3	0.3
Black NH[ef]	1992-2006	0.3									0.3	0.3
API[e]	1992-2006	0.2									0.2	0.2
AI/AN[eg]	1992-2006	2.1									2.1	2.1
Hispanic[f]	1992-2006	-0.3									-0.3	-0.3
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1977	0.0	1977-1987	-2.1*	1987-2006	-0.2*					-0.2*	-0.2*
White	1975-1977	0.1	1977-1987	-2.2*	1987-2006	0.0					0.0	0.0
Black	1975-2006	-1.1*									-1.1*	-1.1*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-2006	-0.2*									-0.2*	-0.2*
White	1992-2006	0.0									0.0	0.0
White NH[ef]	1992-1999	-0.2	1999-2006	0.5*							0.4*	0.5*
Black	1992-2006	-1.2*									-1.2*	-1.2*
Black NH[ef]	1992-2006	-0.9*									-0.9*	-0.9*
API[e]	1992-2006	-1.4									-1.4*	-1.4*
AI/AN[eg]	1992-2006	0.9									0.9	0.9
Hispanic[f]	1992-2006	-0.4									-0.4	-0.4

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

Table 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,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Males by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-1987	0.9*	1987-2006	0.0							0.0	0.0
White	1975-1987	1.0*	1987-2006	0.1							0.1	0.1
Black	1975-2006	0.2									0.2	0.2
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-2006	-0.1									-0.1	-0.1
White	1992-2006	0.1									0.1	0.1
Black	1992-2006	0.3									0.3	0.3
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-1987	1.0*	1987-1996	-0.5	1996-1999	1.8	1999-2006	-0.8*			-0.2	-0.8*
White	1975-1987	1.2*	1987-1995	-0.6	1995-2000	1.1	2000-2006	-0.9*			-0.2	-0.9*
Black	1975-2006	0.1									0.1	0.1
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-2006	-0.2									-0.2	-0.2
White	1992-2006	-0.1									-0.1	-0.1
White NH[ef]	1992-2006	0.1									0.1	0.1
Black	1992-2006	0.1									0.1	0.1
Black NH[ef]	1992-2006	0.0									0.0	0.0
API[e]	1992-2006	0.7*									0.7*	0.7*
AI/AN[eg]	1992-2006	2.3									2.3	2.3
Hispanic[f]	1992-2006	-0.4									-0.4	-0.4
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1983	-1.4*	1983-1987	-2.7*	1987-1993	0.1	1993-2003	-0.6*	2003-2006	0.7	-0.2	0.4
White	1975-1983	-1.4*	1983-1987	-2.7*	1987-1993	0.1	1993-2003	-0.5*	2003-2006	0.8	0.0	0.5
Black	1975-2006	-1.1*									-1.1*	-1.1*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-2003	-0.6*	2003-2006	0.7							-0.2	0.4
White	1992-2006	-0.3*									-0.3*	-0.3*
White NH[ef]	1992-2002	-0.4*	2002-2006	1.2*							0.3	1.2*
Black	1992-2006	-1.3*									-1.3*	-1.3*
Black NH[ef]	1992-2004	-1.5*	2004-2006	5.3							0.0	1.9
API[e]	1992-2006	-0.9									-0.9	-0.9
AI/AN[eg]	1992-2006	2.9									2.9	2.9
Hispanic[f]	1992-2006	-1.0*									-1.0*	-1.0*

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

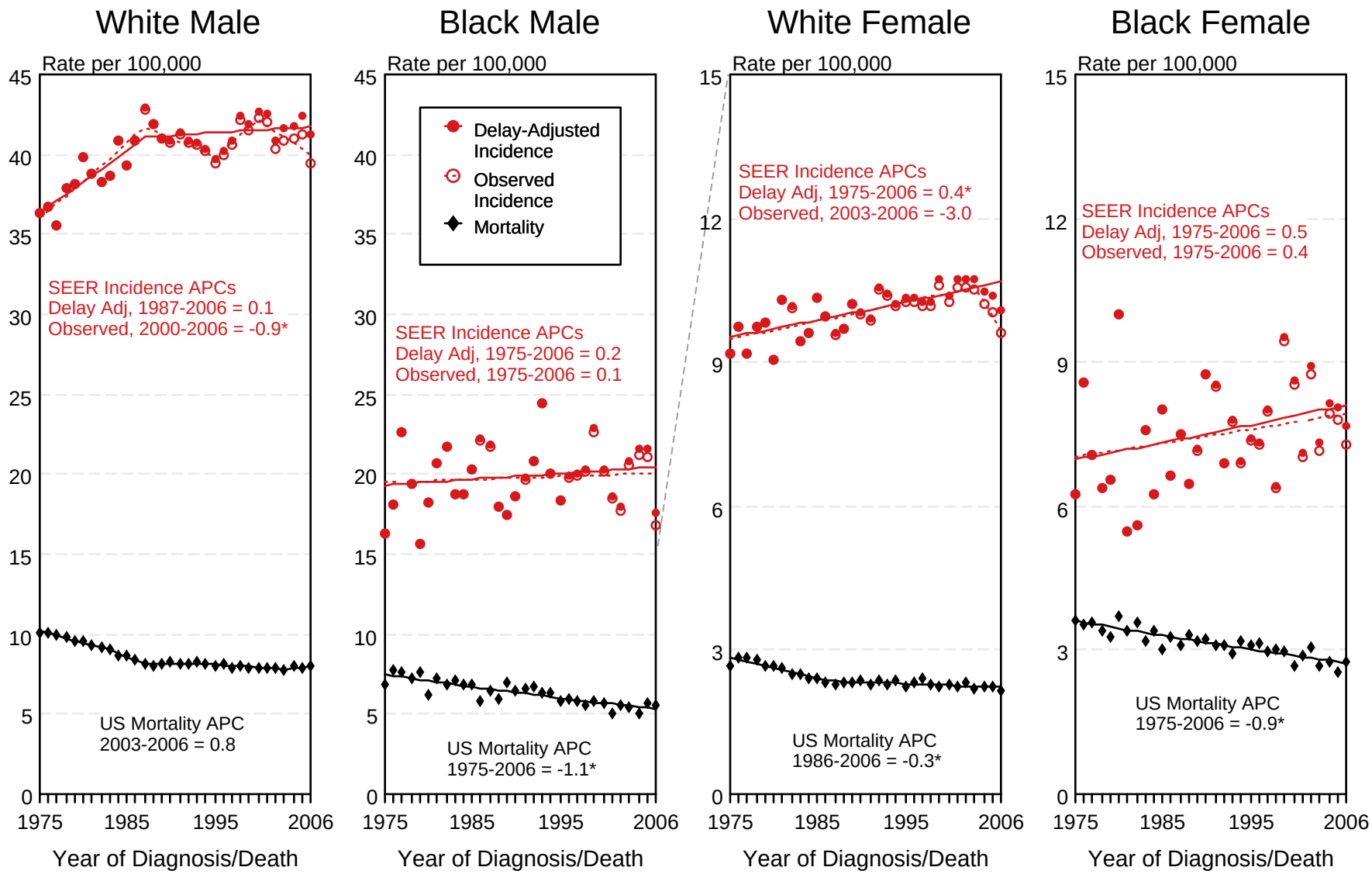
Table 27.3
Cancer of the Urinary Bladder (Invasive and *In Situ*)

Trends in SEER Incidence[ab] and U.S. Mortality[c] Using the Joinpoint Regression Program,
1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,
Females by Race/Ethnicity

	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC[d]	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-Adjusted Incidence[a], 1975-2006												
All Races	1975-2006	0.2*									0.2*	0.2*
White	1975-2006	0.4*									0.4*	0.4*
Black	1975-2006	0.5									0.5	0.5
SEER 13 Delay-Adjusted Incidence[b], 1992-2006												
All Races	1992-2006	-0.3*									-0.3*	-0.3*
White	1992-2004	0.0	2004-2006	-2.4							-0.5	-1.2
Black	1992-2006	1.0									1.0*	1.0*
SEER 9 Observed Incidence[a], 1975-2006												
All Races	1975-2003	0.2*	2003-2006	-2.3							-0.6	-1.7
White	1975-2003	0.4*	2003-2006	-3.0							-0.7	-2.1
Black	1975-2006	0.4									0.4	0.4
SEER 13 Observed Incidence[b], 1992-2006												
All Races	1992-2006	-0.4*									-0.4*	-0.4*
White	1992-2004	-0.1	2004-2006	-3.6							-0.9*	-1.9*
White NH[ef]	1992-2004	0.1	2004-2006	-3.8							-0.8	-1.8*
Black	1992-2006	0.7									0.7	0.7
Black NH[ef]	1992-2006	0.8									0.8	0.8
API[e]	1992-2006	-0.3									-0.3	-0.3
AI/AN[eg]	1992-2006	2.9									2.9	2.9
Hispanic[f]	1992-2006	-0.4									-0.4	-0.4
U.S. Cancer Mortality[c], 1975-2006												
All Races	1975-1986	-1.7*	1986-2006	-0.4*							-0.4*	-0.4*
White	1975-1986	-1.7*	1986-2006	-0.3*							-0.3*	-0.3*
Black	1975-2006	-0.9*									-0.9*	-0.9*
U.S. Cancer Mortality[c], 1992-2006												
All Races	1992-2006	-0.6*									-0.6*	-0.6*
White	1992-2006	-0.4*									-0.4*	-0.4*
White NH[ef]	1992-2006	-0.2									-0.2	-0.2
Black	1992-2006	-1.1*									-1.1*	-1.1*
Black NH[ef]	1992-2006	-0.9*									-0.9*	-0.9*
API[e]	1992-2006	-1.8									-1.8	-1.8
AI/AN[eg]	1992-2006	-2.6									-2.6	-2.6
Hispanic[f]	1992-2006	0.2									0.2	0.2

Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. (http://srab.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).
[a] 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).
[c] Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
[d] The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
[e] API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
[f] Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, DC, ME, MD, MN, NH, NY, ND, OK and VT.
[g] Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
\- Joinpoint regression line analysis could not be performed on data series.

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

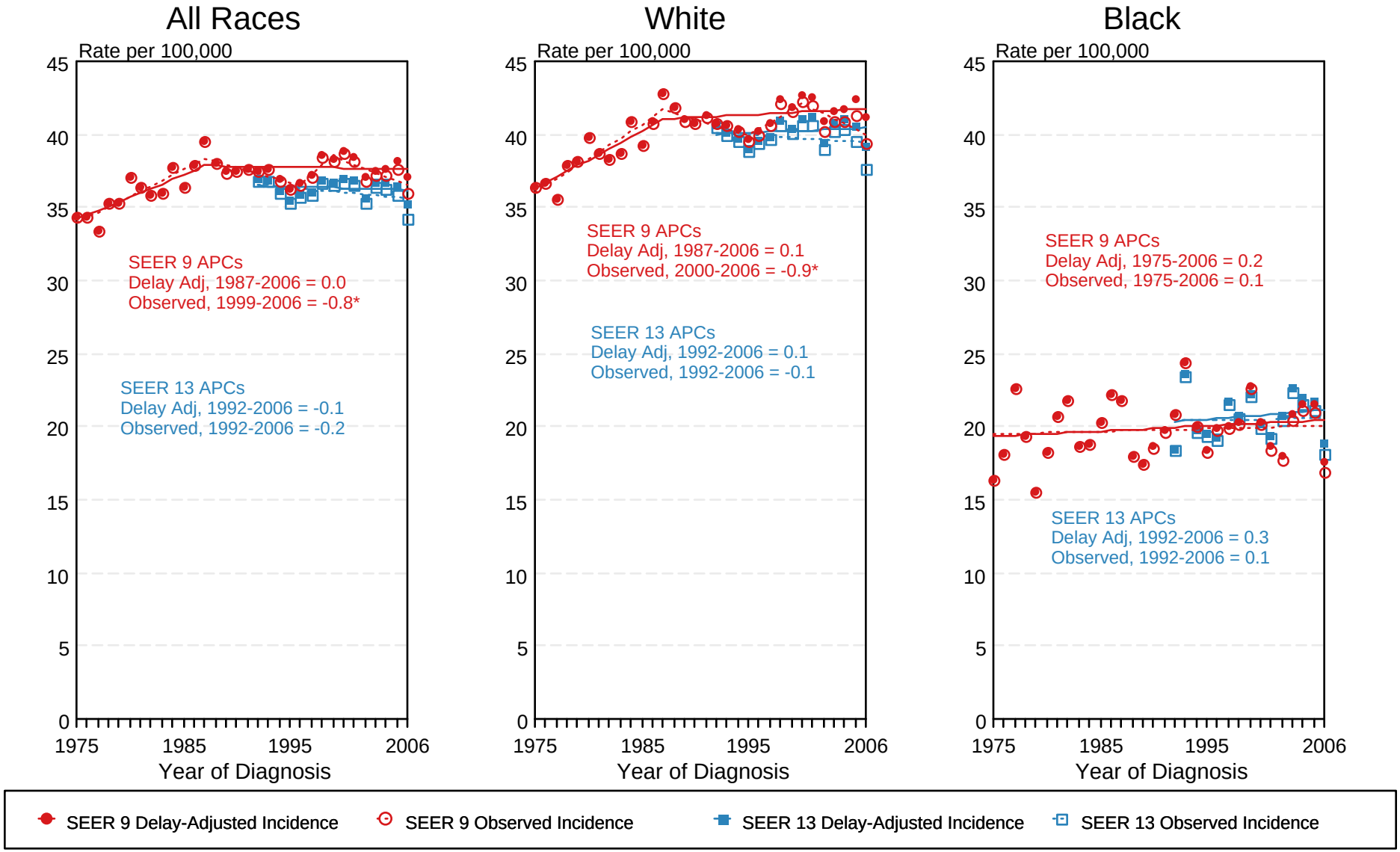


[a] Source: SEER 9 areas and US Mortality Files (National Center for Health Statistics, CDC).
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute.
The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.

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

Figure 27.1

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

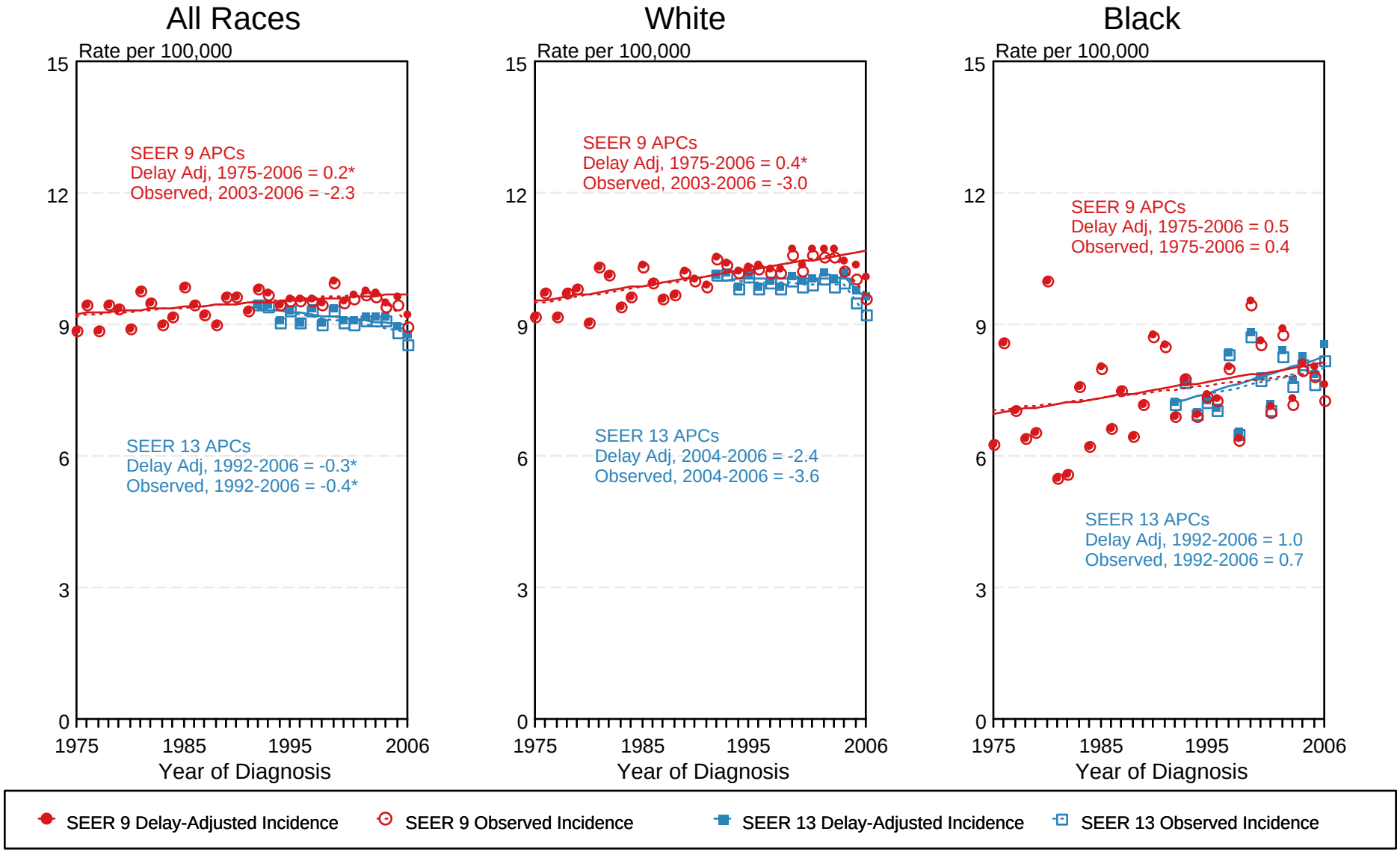


[a] Source: SEER 9 areas and SEER 13 areas.
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute.
The APC is the Annual Percent Change 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 27.3

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

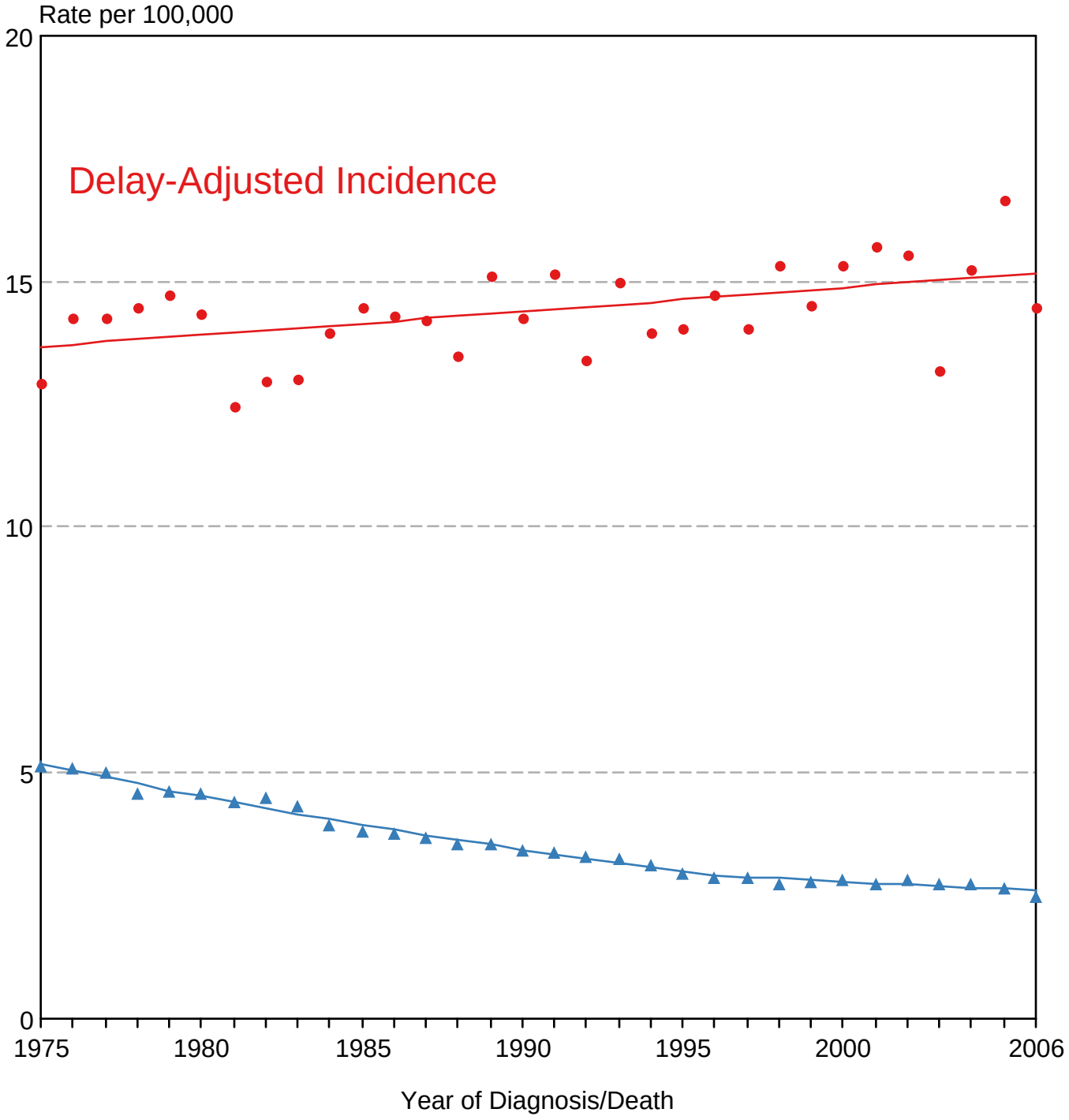


[a] Source: SEER 9 areas and SEER 13 areas.
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute.
The APC is the Annual Percent Change 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

Figure 28.1

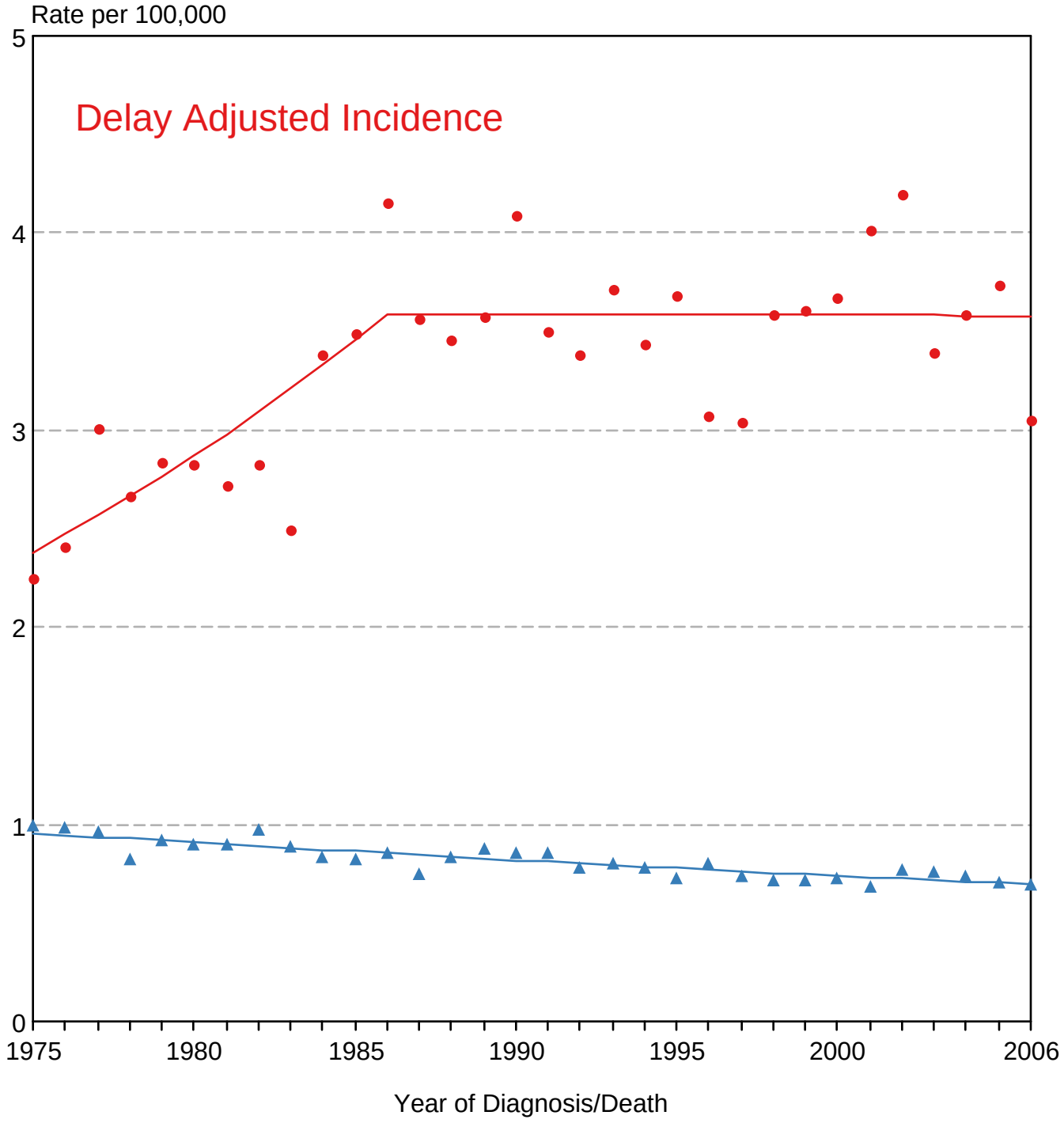
SEER Delay-Adjusted Incidence and US Mortality All Childhood Cancers, Under 20 Years of Age Both Sexes, All Races, 1975-2006



Source: SEER 9 areas and US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute.

Figure 28.2

SEER Delay-Adjusted Incidence and US Mortality Brain and CNS, Under 15 Years of Age Both Sexes, All Races, 1975-2006



Source: SEER 9 areas and US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
Regression lines are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute.