

Table 21.1  
Cancer of the Ovary (Invasive)

Trends in SEER Incidence<sup>ab</sup> and U.S. Mortality<sup>c</sup> Using the Joinpoint Regression Program,  
1975-2012 With up to Five Joinpoints, 1992-2012 With up to Three Joinpoints,  
All Ages by Race/Ethnicity

	JP Trend 1		JP Trend 2		JP Trend 3		JP Trend 4		JP Trend 5		JP Trend 6		AAPC <sup>d</sup>	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2003-12	2008-12
<u>SEER 9 Delay-Adjusted Incidence<sup>a</sup>, 1975-2012</u>														
All Races	1975-87	0.1	1987-12	-0.9*									-0.9*	-0.9*
White	1975-87	0.2	1987-12	-0.9*									-0.9*	-0.9*
Black	1975-12	-0.4*											-0.4*	-0.4*
<u>SEER 13 Delay-Adjusted Incidence<sup>b</sup>, 1992-2012</u>														
All Races	1992-12	-0.9*											-0.9*	-0.9*
White	1992-97	-1.2*	1997-01	0.5	2001-04	-2.9	2004-12	-0.5*					-0.8*	-0.5*
Black	1992-12	-0.2											-0.2	-0.2
<u>SEER 9 Observed Incidence<sup>a</sup>, 1975-2012</u>														
All Races	1975-90	-0.1	1990-12	-1.1*									-1.1*	-1.1*
White	1975-90	0.1	1990-12	-1.1*									-1.1*	-1.1*
Black	1975-12	-0.4*											-0.4*	-0.4*
<u>SEER 13 Observed Incidence<sup>b</sup>, 1992-2012</u>														
All Races	1992-12	-1.0*											-1.0*	-1.0*
White	1992-12	-1.0*											-1.0*	-1.0*
White NH <sup>ef</sup>	1992-12	-1.1*											-1.1*	-1.1*
Black	1992-12	-0.4											-0.4	-0.4
Black NH <sup>ef</sup>	1992-12	-0.4											-0.4	-0.4
API <sup>e</sup>	1992-12	-0.5*											-0.5*	-0.5*
AI/AN <sup>eg</sup>	1992-12	0.1											0.1	0.1
Hispanic <sup>f</sup>	1992-12	-0.3											-0.3	-0.3
<u>U.S. Cancer Mortality<sup>c</sup>, 1975-2012</u>														
All Races	1975-82	-1.2*	1982-92	0.4*	1992-98	-1.2*	1998-02	1.1	2002-12	-2.0*			-2.0*	-2.0*
White	1975-81	-1.4*	1981-94	0.2	1994-98	-1.7	1998-02	1.3	2002-12	-2.0*			-2.0*	-2.0*
Black	1975-89	0.1	1989-92	3.0	1992-95	-3.6	1995-04	0.1	2004-07	-4.1	2007-12	0.1	-1.3	0.1
<u>U.S. Cancer Mortality<sup>c</sup>, 1992-2012</u>														
All Races	1992-98	-1.3*	1998-02	1.1	2002-12	-2.0*							-2.0*	-2.0*
White	1992-98	-1.2*	1998-02	1.2	2002-12	-2.0*							-2.0*	-2.0*
White NH <sup>ef</sup>	1992-05	-0.2	2005-12	-2.5*									-2.0*	-2.5*
Black	1992-95	-3.0	1995-04	0.1	2004-07	-4.1	2007-12	0.1					-1.3	0.1
Black NH <sup>ef</sup>	1992-00	-1.0*	2000-04	1.4	2004-07	-4.7	2007-12	0.3					-1.3	0.3
API <sup>e</sup>	1992-12	-0.3											-0.3	-0.3
AI/AN <sup>eg</sup>	1992-12	0.3											0.3	0.3
Hispanic <sup>f</sup>	1992-12	-0.5*											-0.5*	-0.5*

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

Joinpoint Regression Program Version 4.2.0, April 2015, National Cancer Institute. (<http://surveillance.cancer.gov/joinpoint/>).

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

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

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

<sup>c</sup> Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.

<sup>d</sup> The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.

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

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

Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry.

The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.

<sup>g</sup> 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.