Table 21.2 Cancer of the Ovary (Invasive)

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

SEER 9-Delay-Adjusted 17-1-18 18-1-18		JP Trend 1	JP Tr	JP Trend 2		JP Trend 3		JP Trend 4		JP Trend 5		JP Trend 6		AAPCd	
		Years APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2001-10	2006-10	
	SEER 9 Delay-Adiu	sted Incidencea, 19	975-2010												
Reference													-1.1*	-1.1*	
SEER 13 Delay-Adjusted Incidence 1992-10 -0.8*	White	1975-10 -1.1*											-1.1*	-1.1*	
Races 1992-10 -0.8* -0.8* -0.8* -0.8* -0.9* Races 1992-10 -0.4* -0.9* -0.9* -0.9* -0.9* -0.9* Races 1992-10 -0.4*	Black	1975-10 -1.0*											-1.0*	-1.0*	
Mark	SEER 13 Delay-Adj	usted Incidenceb,	1992-2010												
Black 1992-10 -0.4 -0.4 -0.4 -0.4 -0.4 -0.4	All Races	1992-10 -0.8*											-0.8*	-0.8*	
SEER 9 Observed Incidence*, 1975-10	White	1992-10 -0.9*											-0.9*	-0.9*	
All Races	Black	1992-10 -0.4											-0.4	-0.4	
White	SEER 9 Observed I	ncidence ^a , 1975-203	10												
Black 1975-10 1.0* 1.0													-1.1*		
SEER 13 Observed Incidence 1992-10															
All Races	Black	1975-10 -1.0*											-1.0*	-1.0*	
White NH ^{ef} 1992-10 -1.0* White NH ^{ef} 1992-10 -1.2* Black NH ^{ef} 1992-10 -0.5 Black NH ^{ef} 1992-10 -0.5 Black NH ^{ef} 1992-10 -0.5 API ^e 1992-10 -0.4 AI/AN ^{eg} 1992-10 -0.1 U.S. Cancer Mortality ^e , 1975-2010 All Races 1975-80 -3.2* 1980-99 -1.6* 1999-02 0.6 2002-10 -2.8* Black 1975-80 -3.3* 1989-10 -1.1* U.S. Cancer Mortality ^e , 1975-2010 All Races 1975-80 -3.2* 1980-99 -1.6* 1999-02 0.6 2002-10 -2.8* Black 1975-80 -3.2* 1980-99 -1.5* 1999-02 0.6 2002-10 -2.8* Black 1975-80 -3.1* 1989-10 -1.1* U.S. Cancer Mortality ^e , 1992-2010 All Races 1992-98 -2.1* 1989-02 0.6 2002-10 -2.8* Black 1975-80 -3.3* 1998-02 0.6 2002-10 -2.8* Black 1992-98 -2.2* 1998-02 0.6 2002-10 -2.8* White NH ^{ef} 1992-05 -1.0* 2005-10 -3.4* Black 1992-10 -1.1* Black NH ^{ef} 1992-05 -1.0* 2005-10 -3.4* Black 1992-10 -1.1* Black NH ^{ef} 1992-07 -1.1* Black NH ^{ef} 1992-10 -1.3*	SEER 13 Observed Incidence ^b , 1992-2010														
White NHef 1992-10 -1.2*	All Races	1992-10 -1.0*											-1.0*	-1.0*	
Black NHef 1992-10 -0.5 Black NHef 1992-10 -0.4 Black NHef 1992-10 -0.4 Black NHef 1992-10 -0.1 Black NHef 1992-10 -0.1 Black NHef 1992-10 -0.1 Black NHef 1992-10 -0.1 Black NHef 1992-10 -1.1* Black NHef 1992-10 -1.1* Black NHef 1992-01 -1.1* Black NHef 1992-01 -1.1* Black NHef 1992-01 -1.1* Black NHef 1992-01 -1.3*		1992-10 -1.0*											-1.0*	-1.0*	
Black NHef 1992-10 -0.5	White NH ^{ef}	1992-10 -1.2*											-1.2*	-1.2*	
API ^e 1992-10 -0.4 -0.4 AI/AN ^{eg} 1992-10 -2.0 -2.0 Hispanic ^f 1992-10 -0.1 -0.1 -0.1 -0.1 -0.1 -0.1 -0.1 -	Black	1992-10 -0.5											-0.5	-0.5	
AI/AN°E		1992-10 -0.5											-0.5	-0.5	
Hispanic 1992-10 -0.1 -0.1 U.S. Cancer Mortality	API ^e	1992-10 -0.4											-0.4	-0.4	
U.S. Cancer Mortality ^c , 1975-2010 All Races 1975-80 -3.2* 1980-99 -1.6* 1999-02 0.6 2002-10 -2.8* White 1975-80 -3.3* 1980-99 -1.5* 1999-02 0.6 2002-10 -2.8* Black 1975-89 -2.1* 1989-10 -1.1* U.S. Cancer Mortality ^c , 1992-2010 All Races 1992-98 -2.3* 1998-02 0.6 2002-10 -2.8* White 1992-98 -2.2* 1998-02 0.6 2002-10 -2.8* White NHef 1992-98 -2.2* 1998-02 0.6 2002-10 -2.8* White NHef 1992-05 -1.0* 2005-10 -3.4* Black 1992-10 -1.1* Black NHef 1992-03 0.0 2003-10 -2.6* APIe 1992-10 -1.3*		1992-10 -2.0											-2.0	-2.0	
All Races 1975-80 -3.2* 1980-99 -1.6* 1999-02 0.6 2002-10 -2.8* White 1975-80 -3.3* 1980-99 -1.5* 1999-02 0.6 2002-10 -2.8* Black 1975-89 -2.1* 1989-10 -1.1* U.S. Cancer Mortality ^c , 1992-2010 All Races 1992-98 -2.3* 1998-02 0.6 2002-10 -2.8* White 1992-98 -2.2* 1998-02 0.6 2002-10 -2.8* White NHef 1992-05 -1.0* 2005-10 -3.4* Black 1992-10 -1.1* Black NHef 1992-03 0.0 2003-10 -2.6* APIe 1992-10 -1.3*	Hispanic ^f	1992-10 -0.1											-0.1	-0.1	
White 1975-80 -3.3* 1980-99 -1.5* 1999-02 0.6 2002-10 -2.8* Black 1975-89 -2.1* 1989-10 -1.1* -1.1* \[\begin{array}{c c c c c c c c c c c c c c c c c c c	U.S. Cancer Morta	lity ^c , 1975-2010													
Black 1975-89 -2.1* 1989-10 -1.1* U.S. Cancer Mortality ^c , 1992-2010 All Races 1992-98 -2.3* 1998-02 0.6 2002-10 -2.8* White NHef 1992-98 -2.2* 1998-02 0.6 2002-10 -2.8* White NHef 1992-05 -1.0* 2005-10 -3.4* Black NHef 1992-10 -1.1* Black NHef 1992-03 0.0 2003-10 -2.6* APIe 1992-10 -1.3*	All Races	1975-80 -3.2*	1980-99	-1.6*	1999-02	0.6							-2.4*	-2.8*	
U.S. Cancer Mortality ^c , 1992-2010 All Races 1992-98 -2.3* 1998-02 0.6 2002-10 -2.8* White 1992-98 -2.2* 1998-02 0.6 2002-10 -2.8* White NH ^{ef} 1992-05 -1.0* 2005-10 -3.4* Black 1992-10 -1.1* Black NH ^{ef} 1992-03 0.0 2003-10 -2.6* API ^e 1992-10 -1.3*	White	1975-80 -3.3*	1980-99	-1.5*	1999-02	0.6	2002-10	-2.8*					-2.4*	-2.8*	
All Races 1992-98 -2.3* 1998-02 0.6 2002-10 -2.8* White 1992-98 -2.2* 1998-02 0.6 2002-10 -2.8* White NHef 1992-05 -1.0* 2005-10 -3.4* Black 1992-10 -1.1* -1.1* Black NHef 1992-03 0.0 2003-10 -2.6* APIe 1992-10 -1.3* -1.3*	Black	1975-89 -2.1*	1989-10	-1.1*									-1.1*	-1.1*	
White NH ^{ef} 1992-98 -2.2* 1998-02 0.6 2002-10 -2.8* -2.8* White NH ^{ef} 1992-05 -1.0* 2005-10 -3.4* Black 1992-10 -1.1* -1.1* Black NH ^{ef} 1992-03 0.0 2003-10 -2.6* API ^e 1992-10 -1.3*	U.S. Cancer Morta	lity ^c , 1992-2010													
White NHef 1992-05 -1.0* 2005-10 -3.4* Black 1992-10 -1.1* -1.1* Black NHef 1992-03 0.0 2003-10 -2.6* APIe 1992-10 -1.3* -1.3*	All Races	1992-98 -2.3*	1998-02	0.6	2002-10	-2.8*							-2.4*	-2.8*	
Black 1992-10 -1.1* -1.1* Black NH ^{ef} 1992-03 0.0 2003-10 -2.6* -2.6* API ^e 1992-10 -1.3* -1.3*					2002-10	-2.8*									
Black NH ^{ef} 1992-03 0.0 2003-10 -2.6* -2.6* API ^e 1992-10 -1.3* -1.3*	White NH ^{ef}	1992-05 -1.0*	2005-10	-3.4*									-2.3*		
API ^e 1992-10 -1.3* -1.3*		1992-10 -1.1*											-1.1*	-1.1*	
	Black NH ^{ef}	1992-03 0.0	2003-10	-2.6*									-2.0*	-2.6*	
7-7-70	API ^e	1992-10 -1.3*											-1.3*	-1.3*	
$A1/AN^{-9}$ 1992-10 -1.4 -1.4 -1.4	AI/AN ^{eg}	1992-10 -1.4											-1.4	-1.4	
Hispanic ^f 1992-10 -0.8* -0.8*	Hispanic ^f	1992-10 -0.8*											-0.8*	-0.8*	

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

Joinpoint Regression Program Version 4.0.3, April 2013, National Cancer Institute. (http://surveillance.cancer.gov/joinpoint/). The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

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

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

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

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

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

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

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

^{*} The APC/AAPC is significantly different from zero (p<.05).</p>

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