Table 18.3 Myeloma

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2013 With up to Five Joinpoints, 1992-2013 With up to Four Joinpoints, Females by Race/Ethnicity

New Para		JP Tren	JP Trend 1		JP Trend 2		JP Trend 3		JP Trend 4		JP Trend 5		JP Trend 6		AAPC ^d	
Name		Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2004-13	2009-13	
Name	SEER 9 Delay-Adiu	sted Incidend	ceª, 197	5-2013												
Black 1975-13 1.1* 1.1* SERR 13 Delay-Adjusted Incidence*, 1992-2013 1.1* 1.1* 1.1* SERR 13 Delay-Adjusted Incidence*, 1992-13 0.7* 0.7* 0.7* 0.7* 0.7* 0.6* 0.														0.8*	0.8*	
REER 13 Delay-Adjusted Incidence*, 1992-13 0.7* 0.7* 0.7* 0.6*	White	1975-13	0.6*											0.6*	0.6*	
All Races	Black	1975-13	1.1*											1.1*	1.1*	
Marker 1992-13 0.6* 0.	SEER 13 Delay-Adj	usted Incider	nce ^b , 19	92-2013												
Black 1992-13 0.8* 0.8* 0.8*	All Races	1992-13	0.7*	·										0.7*	0.7*	
All Races 1975-13 0.7* 0.7* 0.7* 0.7* 0.7* 0.7* 0.7* 0.7* 0.7* 0.7* 0.7* 0.7* 0.7* 0.7* 0.7* 0.9*	White	1992-13	0.6*											0.6*	0.6*	
All Races 1975-13 0.7* White 1975-13 0.5* Black 1975-13 0.5* SEER 13 Observed Incidence*, 1992-2013 All Races 1992-13 0.4* White NH** 1992-13 0.3 White NH** 1992-13 0.3 Black 1992-13 0.5 ADF 1992-13 0.5 ADF 1992-13 0.5 ADF 1992-13 0.6 AI/AN** 1992-13 0.5 AN** LS. Cancer Mortality*, 1975-2013 All Races 1975-93 1.5* Black 1975-93 1.5* Black 1975-93 1.5* White 1992-02 -0.3 Mite NH** 1992-02 -0.3 All Races 1975-93 1.5* Black 1975-93 1.5* Black 1995-93 1.5* Black 1995-13 -1.2* Black 1995-13 -2.3* Black 1995-13 -2.4* Black	Black	1992-13	0.8*											0.8*	0.8*	
White 1975-13 0.5* Black 1975-13 0.5* Black 1975-13 0.5* Black 1975-13 0.9* All Races 1992-13 0.4* White NHef 1992-13 0.3 White NHef 1992-13 0.4 Black 1992-13 0.5 Black 1992-13 0.6 Black 1975-93 1.5* 1993-01 -0.4 Black 1975-93 1.5* 1993-01 -0.4 Black 1975-93 1.6* 1992-01 Black 1975-96 2.0* 1996-09 -2.2* 2009-13 1.8* U.S. Cancer Mortalityc, 1975-2013 Black 1975-96 2.0* 1996-09 -2.2* 2009-13 1.8* U.S. Cancer Mortalityc, 1992-2013 Black 1975-96 2.0* 1996-09 -2.2* 2009-13 1.8* U.S. Cancer Mortalityc, 1992-2013 Black 1992-00 -0.3 2002-08 -2.8* 2008-13 0.1 Black 1992-00 0.1 2002-09 -2.8* 2008-13 0.1 Black 1992-01 0.3 2002-08 -2.9* 2008-13 0.1 Black 1992-01 0.1 2002-09 -2.8* 2008-13 0.1 Black 1992-01 0.2 2002-08 -2.9* 2008-13 0.1 Black 1992-01 0.2 2002-08 -2.8* 2008-13 0.1 Black 1992-01 0.2 2	SEER 9 Observed I	ncidenceª, 19	75-2013													
See 1975-13 0.9*	All Races	1975-13	0.7*											0.7*	0.7*	
All Races 1992-13 0.4* 0.5*	White	1975-13	0.5*											0.5*	0.5*	
All Races 1992-13 0.4* White NHef 1992-13 0.3 0.3 Black 1992-13 0.4 0.4* Black NHef 1992-13 0.5 0.5 API 1992-13 0.6 0.6 AI/AN 199 1992-13 0.2 Hispanicf 1992-13 0.2 Hispanicf 1992-13 0.5 All Races 1975-93 1.5* 1993-01 -0.4 2001-09 -2.4* 2009-13 0.8 White 1975-93 1.4* 1993-02 -0.5 2002-08 -2.7* 2008-13 0.1 Black 1975-96 2.0* 1996-09 -2.2* 2009-13 1.8 U.S. Cancer Mortality, 1975-2013 All Races 1975-96 2.0* 2001-09 -2.2* 2009-13 0.9 White 1992-02 -0.3 2002-08 -2.8* 2008-13 0.1 Black 1992-09 0.5 1999-09 -2.6* 2009-13 2.5 Black NHef 1992-09 0.5 1999-09 -2.6* 2009-13 2.5 Black NHef 1992-99 0.5 1999-09 -2.6* 2009-13 2.5 Black NHef 1992-13 -1.2* -1.2* -	Black	1975-13	0.9*											0.9*	0.9*	
White NHeff 1992-13 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.	SEER 13 Observed	Incidenceb, 1	992-201	.3												
White NHef 1992-13 0.3 0.3 0.3 Black 1992-13 0.4 0.4 0.4 0.4 0.5 Black NHef 1992-13 0.5 0.5 APIe 1992-13 0.6 AI/ANeg 1992-13 0.6 AI/ANeg 1992-13 0.2 0.1 0.5 0.5 APIe 1992-13 0.5 0.5 APIe 1992-13 0.5 0.5 APIe 1992-13 0.5 APIe 1992-13 0.5 0.5 APIe 1992-13 0.2 APIE		1992-13	0.4*											0.4*	0.4*	
Black 1992-13 0.4 Black NH ^{ef} 1992-13 0.5 API ^e 1992-13 0.6 AI/AN ^{eg} 1992-13 0.2 Hispanic ^f 1992-13 0.2 Hispanic ^f 1992-13 -0.1 U.S. Cancer Mortality ^c , 1975-2013 All Races 1975-93 1.5* 1993-01 -0.4 2001-09 -2.4* 2009-13 0.8 White 1975-96 2.0* 1996-09 -2.2* 2009-13 1.8 U.S. Cancer Mortality ^c , 1992-2013 All Races 1992-01 -0.2 2001-09 -2.5* 2002-08 -2.7* 2008-13 0.1 Black 1975-96 2.0* 1996-09 -2.2* 2009-13 1.8 U.S. Cancer Mortality ^c , 1992-2013 All Races 1992-01 -0.2 2001-09 -2.5* 2009-13 0.9 White 1992-02 -0.3 2002-08 -2.8* 2008-13 0.1 Black 1992-00 0.1 2000-09 -2.8* 2008-13 0.1 Black 1992-00 0.1 2000-09 -2.8* 2009-13 2.5 Black NH ^{ef} 1992-09 0.5 1999-09 -2.6* 2009-13 2.6 API ^e 1992-13 -1.2* AI/AN ^{eg} 1992-13 -2.3		1992-13													0.3	
Black NHef 1992-13 0.5	White NH ^{ef}	1992-13	0.3											0.3	0.3	
API ^e 1992-13 0.6 AI/AN ^{eg} 1992-13 0.2 Hispanic ^f 1992-13 0.2 Hispanic ^f 1992-13 -0.1 U.S. Cancer Mortality ^c , 1975-2013 All Races 1975-93 1.4* 1993-02 -0.5 2002-08 -2.7* 2008-13 0.1 Black 1975-96 2.0* 1996-09 -2.2* 2009-13 1.8 U.S. Cancer Mortality ^c , 1992-2013 All Races 1992-01 -0.2 2001-09 -2.5* 2009-13 1.8 U.S. Cancer Mortality ^c , 1992-2013 All Races 1992-02 -0.3 2002-08 -2.8* 2009-13 0.9 White 1992-02 -0.3 2002-08 -2.8* 2008-13 0.1 Black 1992-02 -0.3 2002-08 -2.8* 2009-13 0.1 Black 1992-00 0.1 2000-09 -2.8* 2009-13 0.1 Black 1992-09 0.5 1999-09 -2.6* 2009-13 2.5 Black NH ^{ef} 1992-99 0.5 1999-09 -2.6* 2009-13 2.5 Black NH ^{ef} 1992-13 -1.2* AI/AN ^{eg} 1992-13 -2.3 AI/AN ^{eg} 1992-13 -2.3	Black	1992-13	0.4											0.4	0.4	
AI/AN°S 1992-13 0.2 Hispanic 1992-13 -0.1 U.S. Cancer Mortality, 1975-2013 All Races 1975-93 1.5* 1993-01 -0.4 2001-09 -2.4* 2009-13 0.8 White 1975-93 1.4* 1993-02 -0.5 2002-08 -2.7* 2008-13 0.1 Black 1975-96 2.0* 1996-09 -2.2* 2009-13 1.8 U.S. Cancer Mortality, 1992-2013 All Races 1992-01 -0.2 2001-09 -2.5* 2009-13 0.9 White 1992-02 -0.3 2002-08 -2.8* 2008-13 0.1 White NH°S 1992-02 -0.3 2002-08 -2.8* 2008-13 0.1 Black 1992-00 0.1 2000-09 -2.8* 2009-13 2.5 Black NH°S 1992-99 0.5 1999-09 -2.6* 2009-13 2.6 API°S 1992-13 -1.2* AI/AN°S 1992-13 -2.3 0.2 0.2 0.2 0.3 0.6 0.7 0.8 0.8 0.8 0.8 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	Black NH ^{ef}	1992-13	0.5											0.5	0.5	
Hispanic ^f 1992-13 -0.1 U.S. Cancer Mortality ^c , 1975-2013 All Races 1975-93 1.5* 1993-01 -0.4 2001-09 -2.4* 2009-13 0.8 White 1975-96 2.0* 1996-09 -2.2* 2009-13 1.8 U.S. Cancer Mortality ^c , 1992-2013 All Races 1992-01 -0.2 2001-09 -2.5* 2009-13 1.8 U.S. Cancer Mortality ^c , 1992-2013 All Races 1992-02 -0.3 2002-08 -2.8* 2009-13 0.9 White 1992-02 -0.3 2002-08 -2.8* 2008-13 0.1 White NH ^{ef} 1992-02 -0.3 2002-08 -2.9* 2008-13 0.1 Black 1992-00 0.1 2000-09 -2.8* 2009-13 2.5 Black NH ^{ef} 1992-90 0.5 1999-09 -2.6* 2009-13 2.5 Black NH ^{ef} 1992-13 -1.2* AI/AN ^{eg} 1992-13 -2.3 -0.1 -0.1 -0.2 -0.1 -0.2 -0.3 -0.3 -1.0* 0.9 -1.0*	API ^e	1992-13	0.6											0.6	0.6	
U.S. Cancer Mortality ^c , 1975-2013 All Races 1975-93 1.5* 1993-01 -0.4 2001-09 -2.4* 2009-13 0.8 White 1975-93 1.4* 1993-02 -0.5 2002-08 -2.7* 2008-13 0.1 Black 1975-96 2.0* 1996-09 -2.2* 2009-13 1.8 U.S. Cancer Mortality ^c , 1992-2013 All Races 1992-01 -0.2 2001-09 -2.5* 2009-13 0.9 White 1992-02 -0.3 2002-08 -2.8* 2008-13 0.1 White NH ^{ef} 1992-02 -0.3 2002-08 -2.9* 2008-13 0.1 Black 1992-00 0.1 2000-09 -2.8* 2009-13 2.5 Black NH ^{ef} 1992-99 0.5 1999-09 -2.6* 2009-13 2.6 API ^e 1992-13 -1.2* AI/AN ^{eg} 1992-13 -2.3 -1.0* 0.8 -1.0* 0.8 -1.0* 0.8 -1.0* 0.1 -1.2* 0.1 -1.2* 0.1 -1.2* 0.1 -1.2* 0.1 -1.2* 0.1 -1.2* 0.1 -1.2* 0.1 -1.2* 0.1	AI/AN ^{eg}	1992-13	0.2											0.2	0.2	
All Races 1975-93 1.5* 1993-01 -0.4 2001-09 -2.4* 2009-13 0.8 White 1975-93 1.4* 1993-02 -0.5 2002-08 -2.7* 2008-13 0.1 Black 1975-96 2.0* 1996-09 -2.2* 2009-13 1.8 U.S. Cancer Mortalityc, 1992-2013 All Races 1992-01 -0.2 2001-09 -2.5* 2009-13 0.9 White 1992-02 -0.3 2002-08 -2.8* 2008-13 0.1 White NHef 1992-02 -0.3 2002-08 -2.8* 2008-13 0.1 Black 1992-00 0.1 2000-09 -2.8* 2009-13 2.5 Black NHef 1992-99 0.5 1999-09 -2.6* 2009-13 2.6 APIe 1992-13 -1.2* AI/ANeg 1992-13 -2.3	Hispanic ^f	1992-13	-0.1											-0.1	-0.1	
White 1975-93 1.4* 1993-02 -0.5 2002-08 -2.7* 2008-13 0.1 Black 1975-96 2.0* 1996-09 -2.2* 2009-13 1.8 U.S. Cancer Mortality ^c , 1992-2013 All Races 1992-01 -0.2 2001-09 -2.5* 2009-13 0.9 White 1992-02 -0.3 2002-08 -2.8* 2008-13 0.1 White NH ^{ef} 1992-02 -0.3 2002-08 -2.9* 2008-13 0.1 Black 1992-00 0.1 2000-09 -2.8* 2009-13 2.5 Black NH ^{ef} 1992-99 0.5 1999-09 -2.6* 2009-13 2.6 API ^e 1992-13 -1.2* AI/AN ^{eg} 1992-13 -2.3	U.S. Cancer Morta	lity ^c , 1975-2	2013													
Black 1975-96 2.0* 1996-09 -2.2* 2009-13 1.8 U.S. Cancer Mortality ^c , 1992-2013 All Races 1992-01 -0.2 2001-09 -2.5* 2009-13 0.9 White 1992-02 -0.3 2002-08 -2.8* 2008-13 0.1 White NH ^{ef} 1992-02 -0.3 2002-08 -2.9* 2008-13 0.1 Black 1992-00 0.1 2000-09 -2.8* 2009-13 2.5 Black NH ^{ef} 1992-99 0.5 1999-09 -2.6* 2009-13 2.6 API ^e 1992-13 -1.2* AI/AN ^{eg} 1992-13 -2.3 -0.4 1.8 -0.4 1.8 -0.4 1.8	All Races	1975-93	1.5*	1993-01	-0.4	2001-09	-2.4*	2009-13	0.8					-1.0*	0.8	
U.S. Cancer Mortality ^c , 1992-2013 All Races 1992-01 -0.2 2001-09 -2.5* 2009-13 0.9 White 1992-02 -0.3 2002-08 -2.8* 2008-13 0.1 White NHef 1992-02 -0.3 2002-08 -2.9* 2008-13 0.1 Black 1992-00 0.1 2000-09 -2.8* 2009-13 2.5 Black NHef 1992-99 0.5 1999-09 -2.6* 2009-13 2.6 API ^e 1992-13 -1.2* AI/AN ^{eg} 1992-13 -2.3	White	1975-93	1.4*	1993-02	-0.5	2002-08	-2.7*	2008-13	0.1					-1.2*	0.1	
All Races 1992-01 -0.2 2001-09 -2.5* 2009-13 0.9 White 1992-02 -0.3 2002-08 -2.8* 2008-13 0.1 White NHef 1992-02 -0.3 2002-08 -2.9* 2008-13 0.1 Black 1992-00 0.1 2000-09 -2.8* 2009-13 2.5 Black NHef 1992-99 0.5 1999-09 -2.6* 2009-13 2.6 APIe 1992-13 -1.2* AI/ANeg 1992-13 -2.3	Black	1975-96	2.0*	1996-09	-2.2*	2009-13	1.8							-0.4	1.8	
White 1992-02 -0.3 2002-08 -2.8* 2008-13 0.1 White NH ^{ef} 1992-02 -0.3 2002-08 -2.9* 2008-13 0.1 Black 1992-00 0.1 2000-09 -2.8* 2009-13 2.5 Black NH ^{ef} 1992-99 0.5 1999-09 -2.6* 2009-13 2.6 API ^e 1992-13 -1.2* AI/AN ^{eg} 1992-13 -2.3	U.S. Cancer Morta	lity ^c , 1992-2	2013													
White NH ^{ef} 1992-02 -0.3 2002-08 -2.9* 2008-13 0.1 Black 1992-00 0.1 2000-09 -2.8* 2009-13 2.5 Black NH ^{ef} 1992-99 0.5 1999-09 -2.6* 2009-13 2.6 API ^e 1992-13 -1.2* AI/AN ^{eg} 1992-13 -2.3	All Races	1992-01	-0.2	2001-09	-2.5*	2009-13	0.9							-1.0*	0.9	
Black 1992-00 0.1 2000-09 -2.8* 2009-13 2.5 Black NH ^{ef} 1992-99 0.5 1999-09 -2.6* 2009-13 2.6 API ^e 1992-13 -1.2* AI/AN ^{eg} 1992-13 -2.3 -2.3	White	1992-02	-0.3	2002-08	-2.8*	2008-13	0.1							-1.2*	0.1	
Black NH ^{ef} 1992-99 0.5 1999-09 -2.6* 2009-13 2.6 API ^e 1992-13 -1.2* AI/AN ^{eg} 1992-13 -2.3 -2.3 -2.3	White NH ^{ef}	1992-02	-0.3	2002-08	-2.9*	2008-13	0.1							-1.2*	0.1	
API ^e 1992-13 -1.2* -1.2* -1.2* AI/AN ^{eg} 1992-13 -2.3 -2.3		1992-00	0.1	2000-09	-2.8*	2009-13	2.5							-0.5	2.5	
AI/AN^{eg} 1992-13 -2.3 -2.3	Black NH ^{ef}	1992-99	0.5	1999-09	-2.6*	2009-13	2.6							-0.3	2.6	
	API ^e	1992-13	-1.2*											-1.2*	-1.2*	
Hispanic ^f 1992-13 -0.8* -0.8*	AI/AN ^{eg}	1992-13	-2.3											-2.3	-2.3	
	$ exttt{Hispanic}^{ exttt{f}}$	1992-13	-0.8*											-0.8*	-0.8*	

Joinpoint Regression Program Version 4.3.0.0, April 2016, 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.

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

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

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

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

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

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