

Table 16.1 (a)
 Melanoma of the Skin (Invasive)
 Trends in U.S. Mortality^c Using the Joinpoint Regression Program,
 1975-2017 With up to Five Joinpoints
 Both Sexes by Race/Ethnicity

Race/ Ethnicity	Model	JP Trend 1		JP Trend 2		JP Trend 3		JP Trend 4		JP Trend 5		JP Trend 6		AAPC		Comparability Ratio Estimate
		Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2008-17	2013-17	
All Races	Jump [^]	1975-77	4.7	1977-88	1.4*	1988-10	0.4*	2010-14	-1.5	2014-17	-7.3*			-3.1*	-5.9*	0.9513 ^g
All Races	Comparability Ratio	1975-88	1.6*	1988-13	0.2*	2013-17	- 6.6*							-2.9*	-6.6*	0.9677 ^g
All Races	Standard Joinpoint	1975-88	1.6*	1988-13	0.0	2013-17	- 6.3*							-2.9*	-6.3*	
White	Jump [^]	1975-77	4.8	1977-87	1.6*	1987-10	0.5*	2010-14	-1.2	2014-17	-7.1*			-2.8*	-5.7*	0.9514 ^g
White	Comparability Ratio	1975-87	1.9*	1987-13	0.4*	2013-17	- 6.3*							-2.7*	-6.3*	0.9677 ^g
White	Standard Joinpoint	1975-88	1.8*	1988-13	0.2*	2013-17	- 6.0*							-2.6*	-6.0*	
Black	Jump	1975-11	-0.4*	2011-17	-5.2*									-3.6*	-5.2*	0.9047
Black	Comparability Ratio [^]	1975-11	-0.6*	2011-17	-5.2*									-3.7*	-5.2*	0.9677 ^g
Black	Standard Joinpoint	1975-11	-0.7*	2011-17	-5.1*									-3.7*	-5.1*	

[^]Indicates the final selected model.

Joinpoint Regression Program Version 4.8, April 2020, National Cancer Institute. (<https://surveillance.cancer.gov/joinpoint/>).

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

^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 New Hampshire and Oklahoma.

^g Data for American Indian/Alaska Native are based on the PRCDA (Purchased/Referred Care Delivery Areas) counties.

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

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

^g Significant at level 0.05 for test of Comparability Ratio = 1.