

Melanoma of the Skin (Invasive)
 Long-Term Trends in U.S. Mortality^c Using the Joinpoint Regression Program
 By Males, All Races (includes Hispanic), All Ages
 1975-2019 With up to Five Joinpoints

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	2010- 19	2015-19	
All Races	Jump [^]	1975-87	2.4*	1987-09	0.9*	2009-14	-1.3	2014-17	-7.5*	2017-19	-1.5			-3.5*	-4.6*	0.9280 [§]
All Races	Comparability Ratio	1975-89	2.3*	1989-13	0.5*	2013-17	-7.0*	2017-19	-1.8					-3.4*	-4.4*	0.9677 [§]
All Races	Standard Joinpoint	1975-89	2.3*	1989-13	0.3*	2013-17	-6.7*	2017-19	-1.9					-3.4*	-4.4*	
White	Jump [^]	1975-77	5.2*	1977-87	2.3*	1987-09	1.0*	2009-14	-1.1	2014-17	-7.3*	2017-19	-1.4	-3.3*	-4.4*	0.9260 [§]
White	Comparability Ratio	1975-89	2.4*	1989-13	0.6*	2013-17	-6.6*	2017-19	-1.8					-3.2*	-4.2*	0.9677 [§]
White	Standard Joinpoint	1975-89	2.4*	1989-13	0.4*	2013-17	-6.4*	2017-19	-1.9					-3.2*	-4.2*	
Black	Jump	1975-19	-1.5*											-1.5*	-1.5*	1.1361 [§]
Black	Comparability Ratio [^]	1975-19	-0.9*											-0.9*	-0.9*	0.9677 [§]
Black	Standard Joinpoint	1975-19	-1.0*											-1.0*	-1.0*	

[^]Indicates the final selected model.

Joinpoint Regression Program Version 4.9.1.0, April 2022, 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.

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

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

[§] Significant at level 0.05 for test of Comparability Ratio = 1.