Melanoma of the Skin (Invasive)
Long-Term Trends in U.S. Mortality[c] Using the Joinpoint Regression Program
By Both Sexes, 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^	1975-77	4.7	1977-88	1.4*	1988-10	0.4*	2010-14	-1.5	2014-17	-7.1*	2017-19	-1.1	-3.3*	-4.1*	0.9512&
All Races	Comparability Ratio	1975-88	1.6*	1988-13	0.2*	2013-17	-6.5*	2017-19	-1.4					-3.2*	-4.0*	0.9677&
All Races	Standard Joinpoint	1975-88	1.6*	1988-13	0.0	2013-17	-6.2*	2017-19	-1.6					-3.2*	-3.9*	
White	Jump^	1975-77	4.8	1977-87	1.6*	1987-10	0.5*	2010-14	-1.3	2014-17	-6.9*	2017-19	-0.9	-3.1*	-3.9*	0.9514&
White	Comparability Ratio	1975-87	1.9*	1987-13	0.4*	2013-17	-6.2*	2017-19	-1.2					-3.0*	-3.8*	0.9677&
White	Standard Joinpoint	1975-88	1.8*	1988-13	0.2*	2013-17	-5.9*	2017-19	-1.4					-2.9*	-3.7*	
Black	Jump	1975-10	-0.3*	2010-19	-4.1*									-4.1*	-4.1*	0.9041
Black	Comparability Ratio^	1975-10	-0.6*	2010-19	-4.1*									-4.1*	-4.1*	0.9677&
Black	Standard Joinpoint	1975-10	-0.7*	2010-19	-4.1*									-4.1*	-4.1*	

^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.