JAMA Infographic

Mortality Among American Indians and Alaska Natives

In 1990-2009, all-cause mortality among American Indian and Alaska Native (AI/AN) persons residing in Contract Health Services Delivery Area (CHSDA) counties was approximately 46% greater than among white persons (AI/ANs, 1166 per 100 000 vs whites, 799 per 100 000).

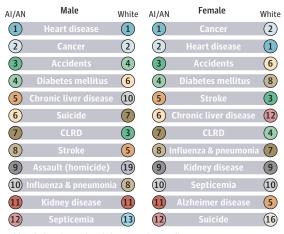
Disparities in all-cause mortality between AI/ANs compared with whites occurred primarily among those aged 25 to 44 years.

Life Expectancy at Birth The non-Hispanic AI/AN population in CHSDA counties, 2007-2009, had the lowest life expectancy compared with other US racial/ethnic groups, 2008.

Life expectancy at birth

Male		Female
68.0 y	Non-Hispanic AI/AN	74.3 y
70.5 у	Non-Hispanic black	77.0 у
76.0 y	Non-Hispanic white	80.7 y
78.0 у	Hispanic	83.3 y

Leading Causes of Death, 1999-2009 Regardless of sex, AI/ANs were more likely to die of diabetes, chronic liver disease, accidents, and suicide than whites.



Abbreviation: CLRD, chronic lower respiratory diseases



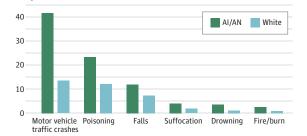
Contract Health Services Delivery Area counties generally contain tribe reservations or are adjacent to them. Racial classification of AI/ANs was considered more reliable in CHSDA counties than in national databases. Of the 3141 counties in the United States in 2009, 637 were CHSDA counties. These counties included 64% of the US non-Hispanic AI/AN population.

Notes: Analyses were based on the most recent data sets (1990-2009) that link Indian Health Services registration records to death certificate data. Linking these 2 data sources substantially increased the reported all-cause death rate of AI/ANs, providing a more accurate accounting of mortality trends.

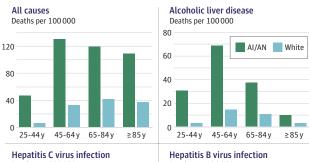
Right panels: Analyses were limited to AI/ANs and whites of non-Hispanic origin in CHSDA counties. Death rates were age adjusted to the 2000 US standard population.

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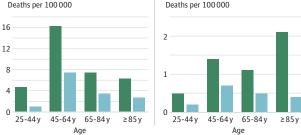
Unintentional Injury Mortality, 2005-2009 Unintentional injury was ranked as the third cause of death among AI/ANs. Death rates were higher among AI/ANs than among whites across all of the leading causes of unintentional injury death. Deaths per 100 000



Cirrhosis-Related Mortality, 1999-2009 The leading cause of cirrhosis-related deaths for both AI/ANs and whites was alcoholic liver disease. Disparity in these death rates was greatest among those aged 25 to 44 years.

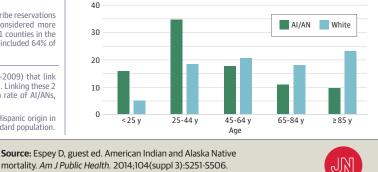


Deaths per 100 000





Deaths per 100 000



mortality. Am J Public Health. 2014;104(suppl 3):S251-S506. Please cite as: JAMA. 2017;319(2):112. 10.1001/jama.2017.20760

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