

About the Data – Adolescent Motor Vehicle Deaths

Indicator Description

The adolescent motor vehicle mortality rate is the number of unintentional motor vehicle traffic fatalities per 100,000 adolescents aged 15–19 years. This includes all occupant, pedestrian, motorcycle, bicycle, etc. deaths caused by motor vehicles.

Data Sources

California Department of Public Health, Center for Health Statistics and Informatics. Death Statistical Master File, 2010–2013: Compiled from information on death certificates, including demographic information related to the decedents.

California Department of Public Health, Center for Health Statistics and Informatics. California Comprehensive Death File, 2014–2022: Compiled from information on death certificates, including demographic information related to the decedents.

State of California, Department of Finance. Demographic Research Unit. State and County Population Projections 2010–2060 [P-3: Complete State and County Projections Dataset]. Sacramento, California. July 14, 2021.

State of California, Department of Finance. Demographic Research Unit. State And County Population Projections 2020–2060 [P-3: Complete State and County Projections Dataset]. Sacramento, California. July 2023.

National Comparison

Centers for Disease Control and Prevention, National Center for Health Statistics. National Vital Statistics System, Mortality 1999–2020 on [CDC WONDER Online Database](#), released in 2021. Data are from the Multiple Cause of Death Files, 1999–2020, as compiled from data provided by the 57 vital statistics jurisdictions through the Vital Statistics Cooperative Program.

Centers for Disease Control and Prevention, National Center for Health Statistics. National Vital Statistics System, Mortality 2018–2021 on [CDC WONDER Online Database](#), released in 2023. Data are from the Multiple Cause of Death Files, 2018–2021, as compiled from data provided by the 57 vital statistics jurisdictions through the Vital Statistics Cooperative Program.

Data Analysis

The motor vehicle mortality rate shown in these dashboards is the number of deaths due to motor vehicle crashes per 100,000 adolescents aged 15–19 years who resided in California at the time of death. Motor vehicle deaths were identified using International Classification of Diseases, Tenth Revision underlying cause-of-death codes shown in the table below.

Code(s)	Description
V02–V04 (.1, .9), V09.2	Pedestrian injured in transport accident
V12–V14 (.3–.9), V19.4–V19.6	Pedal cyclist injured in transport accident
V20–V28 (.3–.9), V29.4–V29.9	Motorcycle rider injured in transport accident
V30–V39 (.4–.9)	Occupant of three-wheeled motor vehicle injured in transport accident
V40–V49 (.4–.9)	Car occupant injured in transport accident
V50–V59 (.4–.9)	Occupant of pick-up truck or van injured in transport accident
V60–V69 (.4–.9)	Occupant of heavy transport vehicle injured in transport accident
V70–V79 (.4–.9)	Bus occupant injured in transport accident
V80.3–V80.5, V81.1, V82.1, V83–V86 (.0–.3), V87.0–V87.8, V89.2	Other land transport accidents

Three-year aggregated data are stratified by county, race/ethnicity, and sex. The 95% confidence interval presented in the tooltips indicates there is a 95% chance that the range contains the true prevalence or rate in the population. Rates or percentages with wide confidence intervals should be interpreted with caution. The state dashboard uses single-year data that are comparable with national single-year data.

The number of motor vehicle deaths may differ from other published estimates due to methodological differences in how the decedent’s county of residence is determined.

See Category and Subcategory Definitions below for additional inclusion/exclusion criteria.

Data Suppression

The numerator, rate, and confidence interval are not shown when the numerator is less than 10.

Category and Subcategory Definitions

Geography: State or county of decedent’s residence at time of death. The number of motor vehicle deaths may differ from other published estimates due to methodological differences in how the decedent’s county of residence is determined.

Race/ethnicity: Hispanic includes all persons of Hispanic origin of any race, including Other and Unknown race. Multi-Race includes those of non-Hispanic origin who reported more than one race. The remaining groups are of non-Hispanic origin who reported a single race: American Indian or Alaska Native (AIAN), Asian, Black, Native Hawaiian or Other Pacific Islander (Pacific Islander), and White.

Sex: Sex of decedent is defined as either male or female. Excludes records with unknown and nonbinary sex.

Suggested Citation

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