

## Healthy People 2010 Operational Definition

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### 15-15. Reduce deaths caused by motor vehicle crashes.

#### 15-15a. Deaths per 100,000 population.

<b>National Data Source</b>	National Vital Statistics System - Mortality (NVSS-M), CDC, NCHS.
<b>State Data Source</b>	National Vital Statistics System - Mortality (NVSS-M), CDC, NCHS.
<b>Healthy People 2000 Objective</b>	Adapted from 9.3 (Unintentional Injuries).
<b>Leading Health Indicator</b>	Injury and Violence.
<b>Changes since the 2000 Publication</b>	Revised baseline (see Comments). Revised target (see Comments).
<b>Measure</b>	Rate per 100,000 population (age adjusted—see Comments).
<b>Baseline (Year)</b>	14.7 (1999)
<b>Target</b>	8.0
<b>Target-Setting Method</b>	Better than the best racial/ethnic subgroup.  For a discussion of target-setting methods, see Part A, section 4.
<b>Numerator</b>	Number of unintentional injury traffic deaths [ICD-10 codes V02-V04 (.1, .9), V09.2, V12-V14 (.3-.9), V19 (.4-.6), V20-V28 (.3-.9), V29-V79 (.4-.9), V80 (.3-.5), V81.1, V82.1, V83-V86 (.0-.3), V87 (.0-.8), V89.2].
<b>Denominator</b>	Number of persons.
<b>Population Targeted</b>	U.S. resident population.
<b>Questions Used To Obtain the National Baseline Data</b>	Not applicable.
<b>Expected Periodicity</b>	Annual.
<b>Comments</b>	The original baseline was revised from 25.6 deaths per 100,000 population to 14.7 per 100,000 due to

changes in the International Classification of Diseases (ICD) system. The original baseline (1998) was based on ICD-9 codes E810-E819. The revised baseline (1999) is based on the ICD-10 system. The baseline year for all Healthy People 2010 mortality objectives was changed to 1999 so that a consistent trend based on a single ICD classification scheme could be tracked throughout the decade. See Part A, section 8 for a discussion of the International Classification of Diseases (ICD). Information on comparability between ICD-9 and ICD-10 has been published by NCHS.<sup>1</sup>

The target was proportionally adjusted from 9.2 deaths per 100,000 population to 8.0 deaths per 100,000 to reflect the revised baseline using the original target-setting method.

This objective is one of the measures used to track the Injury and Violence Leading Health Indicator. See Appendix E for a complete list.

Data (except those by education status) are age-adjusted to the 2000 standard population using the age groups <1, 1-4, 5-14, 15-24, 25-34, 35-44, 45-54, 55-64, 65-74, 75-84, and 85 years and over. Data by education status are age adjusted using the age groups 25-34, 35-44, 45-54, and 55-64. Age-adjusted rates are the weighted sums of age-specific rates. For a discussion of age adjustment see Part A, section 7.

This objective differs from Healthy People 2000 objective 9.3 in that all data are age-adjusted and come from NVSS-M. Data for objective 9.3 included both age-adjusted data from NVSS-M and crude rates from the Fatality Analysis Reporting System (FARS). In addition, the age-adjusted rates in objective 9.3 were adjusted to the 1940 standard population.

For some measures, data do not meet the criteria for statistical reliability, data quality, or confidentiality and have been suppressed. Information on suppression of data for the major Healthy People 2010 data systems has been published in a *Healthy People Statistical Note*.<sup>2</sup>

See Part C for a description of NVSS-M and Appendix A for focus area contact information.

## References

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1. Anderson, R.N.; Minino, A.M.; Hoyert, D.L.; Rosenberg, H.M. Comparability of cause of death between ICD-9 and ICD-10: Preliminary estimates. *National Vital Statistics Reports*. Vol. 49 No. 2. Hyattsville, MD: National Center for Health Statistics, 2001.
2. Klein, R.J.; Proctor, S.E.; Boudreault, M.A.; Turczyn, K.M. Healthy People 2010 Criteria for Data Suppression. *Statistical Notes* No. 24. Hyattsville, MD: National Center for Health Statistics. 2002.