

Healthy People 2010 Operational Definition

2-10. Reduce the proportion of adults who are hospitalized for vertebral fractures associated with osteoporosis.

National Data Source	National Hospital Discharge Survey (NHDS), CDC, NCHS.
State Data Source	State hospital discharge systems.
Healthy People 2000 Objective	Not applicable.
Changes since the 2000 Publication	None.
Measure	Rate per 10,000 population (age-adjusted -- see Comments).
Baseline (Year)	17.5 (1998)
Target	14.0
Target Setting Method	20 percent improvement. For a discussion of target-setting methods, see Part A, section 4.
Numerator	Number of discharges from short-stay hospitals among persons aged 65 years and older for vertebral fractures (ICD-9-CM codes 805.0, 805.2, 805.4, or 805.8 in any listed diagnostic field).
Denominator	Number of persons aged 65 years and older.
Population Targeted	U.S. civilian population.
Questions Used to Obtain the National Baseline Data	From the 1998 National Hospital Discharge Survey: ➤ <i>Final diagnoses:</i> ➤ <i>Principal:</i> ➤ <i>Other/additional:</i>
Expected Periodicity	Annual
Comments	Discharges with an ICD code indicating vertebral fracture due to osteoporosis included any person with a diagnosis of closed cervical, thoracic, or

lumbar spine fracture without spinal cord involvement (ICD-9-CM codes 805.0, 805.2, or 805.4) in any of the seven diagnostic fields. Closed spinal injuries elusive of cord involvement without reference to a specific site (ICD-9-CM code 805.8) were also included. These criteria selected the vertebral fractures most likely to be due to osteoporosis by excluding open vertebral fractures and those with spinal cord involvement, which are usually due to severe trauma.¹ See Part A, section 8 for a discussion of the Clinical Modification to the International Classification of Diseases (ICD-9-CM).

Data are age adjusted to the 2000 standard population using age groups 65-74, and 75 years and over. Age-adjusted rates are weighted sums of age-specific rates. For a discussion of age adjustment, see Part A, section 7.

For some objectives, 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*.²

See Part C for a description of NHDS and Appendix A for focus area contact information.

References

1. Jacobsen, S.J.; Cooper, C.; Gottlieb, M.S.; et al. Hospitalization with vertebral fracture among the aged: A national population-based study, 1986–1989. *Epidemiology* 3(6):515-518, 1992.
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.