



TRAUMATIC BRAIN INJURY EMERGENCY DEPARTMENT VISIT INDICATOR 2

TBI: Nonfatal Emergency Department Visits with S09.90 but None of the Codes in the Proposed TBI Case Definition

Numerator:

- Nonfatal ED visits from the injury ED visit subset with the following ICD-10-CM diagnosis code in any field.

Diagnosis Code* for Unspecified Head Injury

S09.90	Unspecified injury of head
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- *7th character of A or missing (reflects initial encounter, active treatment)

Denominator:

- Midyear population for the calendar year under surveillance obtained from the U.S. Census Bureau or suitable alternative.

Measures of frequency:

- Annual number of ED visits, by age group and sex.
- Annual age-adjusted rates, overall and by sex, standardized by the direct method to the year 2000 standard U.S. population.^{2,11}

Period for case definition:

- Calendar year based on date of ED discharge.

Indicator notes:

- The Injury Surveillance Indicator for use with ED data includes cases with either an injury diagnosis code or an external cause of injury code in any field. This broad definition results in the capture of all cases of injury or potential injury seen in the ED.
- This indicator does not include cases that were admitted to the hospital.
- S09.90 (unspecified head injury) accounts for a substantial number of potential TBI cases that present to the ED.
- This code is being considered for future inclusion in the TBI case definition.

Limitations of data source:

- Injuries that result in ED visits only represent a portion of the overall burden of injury. These injuries should be considered in the context of both less- and more-severe injuries.
- The accuracy of indicators based on codes found in ED data are limited by the completeness and quality of coding.