



TRAUMATIC BRAIN INJURY EMERGENCY DEPARTMENT VISIT INDICATOR 1

Proposed TBI Case Definition Diagnosis Codes*--Nonfatal Emergency Department Visits

Numerator:

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

Diagnosis Codes* for the Proposed TBI Case Definition

S02.0, S02.1	Fracture of skull
S02.8, S02.91	Fracture of other specified skull and facial bones; unspecified fracture
S04.02, S04.03, S04.04	Injury of optic chiasm; injury of optic tract and pathways; injuries of visual cortex
S06	Intracranial injury
S07.1	Crushing injury of skull
T74.4	Shaken infant syndrome

*7th character of A, B, 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.
- The proposed case definition for TBI doesn't include S09.90 (unspecified injury of head). This is being tracked separately for potential future inclusion.

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.