



POISONING HOSPITALIZATION INDICATOR

Nonfatal Nondrug Poisoning Hospitalizations

Numerator:

- Nonfatal hospitalizations from the injury hospital discharge subset with any of the following ICD-10-CM diagnosis or external cause of injury codes in any field.

Codes* for Nonfatal Nondrug Poisonings

T51-T53, T55-T62, T64	Toxic effects of nonmedicinal substances
T54.0	Toxic effects of phenol and phenol homologues
T65.0-T65.81, T65.83, T65.89, T65.9	Toxic effects of other and unspecified substances
Y38.7	Terrorism due to chemical weapons
Y35.2	Legal intervention involving gas

*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 hospitalizations, 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 hospital discharge.

Indicator notes:

- The Injury Surveillance Indicator for use with hospitalization data are restricted to cases where the principal diagnosis is injury. An analysis of 2016 Health Care Utilization Project (HCUP) National Inpatient Sample (NIS) data identified that of nonfatal hospitalizations with a nondrug poisoning code anywhere in the record, 42% did not have an injury diagnosis in the principal diagnosis field. Studies focused specifically on nondrug poisonings may want to explore these additional cases.
- The nondrug poisoning codes include toxic effects of ethanol (T51.0).

Limitations of data source:

- Injuries that result in hospitalization 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 hospital discharge data are limited by the completeness and quality of coding.

This document was developed as part of the CSTE ICD-10-CM Injury Surveillance Toolkit.

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Updated: 2/28/20 (Code ranges changed to exclude T54.1, T54.2, T54.3, T54.9, T63, and T65.82; Y38.6 dropped)