



Preparing Your Data: Nonfatal Hospitalizations (General Injury)

Step 1: Prepare the basic dataset

- Use calendar year of data based on date of discharge.
- Only include data from nonfederal, acute care-affiliated facilities; exclude Veterans Affairs (VA) and other federal hospitals, rehabilitation centers, and psychiatric hospitals.
- Include hospitalizations for state residents only. If data on out-of-state hospitalizations for state residents are available, please include them.
- **Exclude deaths.**
- Include readmissions and transfers.

Step 2: Create an injury subset

Include records that have one of the following diagnosis codes (Table 1) **in the principal diagnosis field**

Table 1: Injury diagnosis codes*

S00-S99	Anatomic injuries
T07-T34	Foreign bodies, burns, corrosions, frostbite
T36-T50 with a <u>6th character</u> of 1, 2, 3, or 4 Note: Include T36.9, T37.9, T39.9, T41.4, T42.7, T43.9, T45.9, T47.9, and T49.9 with a <u>5th character</u> of 1, 2, 3, or 4 (Intent information for these codes is included in the 5 th character and not the 6 th)	Poisoning by drugs, medicaments, and biological substances (Includes accidental, intentional self-harm, assault, and underdetermined intents; Excludes adverse effects and underdosing)
T51-T65	Toxic effects of substances nonmedicinal as to source
T66-T76	Other and unspecified effects of external causes
T79	Certain early complications of trauma, not elsewhere classified
O9A.2-O9A.5	Traumatic injuries and abuse complicating pregnancy, childbirth, and the puerperium
T84.04**	Periprosthetic fracture around internal prosthetic joint
M97**	Periprosthetic fracture around internal prosthetic joint

*7th character of A, B, C, or missing (reflects initial encounter, active treatment). T30-T32 do not have a 7th character.

** T84.04 was retired and replaced by M97 in the FY2017 version of ICD-10-CM which went into effect on Oct 1, 2016.

Step 3: Check the data quality

- Recommend using the measures in the [“Getting to Know Your Data and Its Quality”](#) section of the CSTE ICD-10-CM Injury Surveillance Toolkit to conduct further data quality checks.
- Calculate the completeness of external cause of injury coding in the hospitalization data.
 Percentage of nonfatal injury hospitalizations with external cause of injury coding = (All hospital discharge records with a principal diagnosis of injury (Table 1) **AND** an external cause of injury code (Table 2) in any diagnosis or external cause of injury field) / (All hospital discharge records with a principal diagnosis of injury) x 100%.

Table 2: Codes that contain external cause of injury information (The subset of T, V, W, X, and Y codes* found in the ICD-10-CM external cause matrix)

V00-V99	Transport accidents
W00-X58	Other external causes of accidental injury
X71-X83	Intentional self-harm
X92-Y09	Assault
Y21-Y33	Event of undetermined intent
Y35-Y38	Legal intervention, operations of war, military operations and terrorism
T14.91	Suicide attempt
T15-T19	Effects of foreign body entering through natural orifice
T36-T50 with a <u>6th character</u> of 1, 2, 3, or 4 Note: Include T36.9, T37.9, T39.9, T41.4, T42.7, T43.9, T45.9, T47.9, and T49.9 with a <u>5th character</u> of 1, 2, 3, or 4 (Intent information for these codes is included in the 5 th character and not the 6 th)	Poisoning by drugs, medicaments, and biological substances
T51-T65	Toxic effects of substances chiefly non-medicinal as to source
T71	Asphyxiation
T73	Effects of deprivation
T74, T76	Adult and child abuse, neglect, and other maltreatment, confirmed or suspected
T75.0, T75.1, T75.2, T75.3	Effects of lightning, unspecified effects of drowning, effects of vibration, motion sickness

*7th character of A or missing (reflects initial encounter, active treatment)

Step 4: Calculate the specific indicators

- Consult the individual indicator pages in the [“General Injury Indicators”](#) section of the CSTE ICD-10-CM Injury Surveillance Toolkit for details on how to calculate the respective indicator.
- Nonfatal hospital discharge rates should be age-adjusted to the 2000 United States standard population using the NCHS population distribution.^{2,11}