



## NONFATAL MOTOR VEHICLE HOSPITALIZATIONS – OTHER/UNSPECIFIED OCCUPANT Unintentional, Motor Vehicle Non-Traffic (MVN)

### Background Information/Significance

- To determine nonfatal unintentional injury-related hospitalizations among drivers in motor vehicle traffic crashes
- Transport incidents involving motor vehicles are considered “traffic” incidents if they occur on a public highway or street, whereas a “non-traffic” incident occurs entirely in any place other than a public highway or street. Transport incidents are assumed to have occurred on a public road unless another place is specified, except for those involving only off-road motor vehicles, which are classified as “non-traffic” unless the contrary is stated. The terms “collision” and “non-collision” refer to the type of event causing the transport incident. “Collision” events describe a motor vehicle striking or being struck by another vehicle, person or object. “Non-collision” events overturns, jackknives, fire/explosion, running off road, separation of units, downhill runaways or cargo loss.<sup>1</sup> This indicator may help fill the gap in data on non-fatal crash-related injuries occurring elsewhere.
- This indicator includes “persons boarding and alighting” and unspecified occupants of a motor vehicle

### Numerator:

- Hospitalizations from the injury hospitalization subset<sup>2</sup> with any of the following ICD-10-CM external cause of injury codes in any field
- Exclude in-facility deaths

### Codes\* for other/unspecified occupant of motor vehicle injured in unintentional non-traffic crash

Unintentional MV-Non-Traffic Other/Unspecified Occupant Codes	Description
V202, V212, V222, V232, V242, V252, V262, V272, V282, V2920, V2929, V293	Unspecified motorcycle rider injured in non-traffic crash
V303, V313, V323, V333, V343, V353, V363, V373, V383, V3920, V3929, V393	Other/unspecified occupant of three-wheeled motor vehicle injured in non-traffic crash
V403, V413, V423, V4331, V4332, V4333, V4334, V443, V453, V463, V473, V483, V4920, V4929, V493 (V4731, V4732)**	Other/unspecified occupant of car injured in non-traffic crash
V880, V881, V882, V883, V884, V885, V886, V887, V888, V890	Other/unspecified occupant of unspecified vehicle type injured in non-traffic crash
V503, V513, V523, V533, V543, V553, V563, V573, V583, V5920, V5929, V593	Other/unspecified occupant of pick-up truck or van injured in non-traffic crash
V603, V613, V623, V633, V643, V653, V663, V673, V683, V6920, V6929, V693	Other/unspecified occupant of heavy transport vehicle injured in non-traffic crash
V703, V713, V723, V733, V743, V753, V763, V773, V783, V7920, V7929, V793	Other/unspecified occupant of a bus injured in non-traffic crash
V834, V844, V854, V8641-V8646, V8649***	Person boarding/alighting or other/unspecified occupant of a special industrial vehicle, special agricultural vehicle, special construction vehicle, ambulance, snowmobile, dune buggy, military vehicle, 3- or 4-wheeled ATV, dirt bike/moto cross bike, or other special all-terrain vehicle injured in non-traffic crash
V839, V849, V859, V8691, V8692, V8693, V8694, V8695, V8696, V8699***	

\*7<sup>th</sup> character of A or missing (reflects initial encounter, active treatment)

\*\*Codes V4731, V4732 were retired on October 1, 2016 and replaced with V473.

\*\*\*Codes in RED are part of the “Other Land Transport” row of the [ICD-10-CM External Cause of Injury Framework](#), but reference other/unspecified motor vehicle occupants injured in non-traffic crashes

<sup>1</sup> <https://apps.who.int/classifications/apps/icd/icd10online2004/defs.htm>

<sup>2</sup> <https://www.cdc.gov/nchs/data/nhsr/nhsr125-508.pdf>

**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

**Period for case definition:**

- Calendar year based on date of hospital discharge.

**Indicator notes:**

- The Injury Surveillance Indicators for use with hospitalization data are restricted to cases where the principal diagnosis is an injury code.
- Refer to the CSTE Injury Surveillance Toolkit – [Injury Indicators](#) Page for more information

**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.