



NONFATAL MOTOR VEHICLE HOSPITALIZATIONS – DRIVER 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, jackknifes, fire/explosion, running off road, separation of units, downhill runaways or cargo loss.¹

Numerator:

- Hospitalizations from the injury hospitalization subset² with any of the following ICD-10-CM external cause of injury codes in any field
- Exclude in-facility deaths

Codes* for driver of motor vehicle injured in unintentional non-traffic crash

Unintentional MV-Non-Traffic Driver Codes	Description
V200, V210, V220, V230, V240, V250, V260, V270, V280, V2900, V2909	Driver of motorcycle injured in non-traffic crash
V300, V310, V320, V330, V340, V350, V360, V370, V380, V3900, V3909	Driver of three-wheeled motor vehicle injured in non-traffic crash
V400, V410, V420, V4301, V4302, V4303, V4304, V440, V450, V460, V470, V480 (V4701, V4702)**	Driver of car injured in non-traffic crash
V4900, V4909	Driver of unspecified vehicle type injured in non-traffic crash
V500, V510, V520, V530, V540, V550, V560, V570, V580, V5900, V5909	Driver of pick-up truck or van injured in non-traffic crash
V600, V610, V620, V630, V640, V650, V660, V670, V680, V6900, V6909	Driver of heavy transport vehicle injured in non-traffic crash
V700, V710, V720, V730, V740, V750, V760, V770, V780, V7900, V7909	Driver of a bus injured in non-traffic crash
V835, V845, V855, V8651, V8652, V8653, V8654, V8655, V8656, V8659***	Driver 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

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

**Codes V4701, V4702 were retired on October 1, 2016 and replaced with V470.

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

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

² <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.