

NONFATAL MOTOR VEHICLE HOSPITALIZATIONS – OTHER/UNSPECIFIED OCCUPANT Unintentional, Motor Vehicle Traffic (MVT)

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.¹ 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 subset² 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 traffic crash

Unintentional MV-Traffic Other/Unspecified Occupant Codes	Description
V203, V213, V223, V233, V243, V253, V263, V273, V283	Person boarding/alighting a motorcycle or other/unspecified motorcycle rider injured in traffic crash
V209, V219, V229, V239, V249, V259, V269, V279, V289, V2960, V2969, V2981, V2988, V299	
V304, V314, V324, V334, V344, V354, V364, V374, V384	Person boarding/alighting or other/unspecified occupant of three-wheeled motor vehicle injured in traffic crash
V309, V319, V329, V339, V349, V359, V369, V379, V389, V3960, V3969, V3981, V3989, V399	
V404, V414, V424, V4341, V4342, V4343, V4344, V444, V454, V464, V474, V484	Person boarding/alighting or other/unspecified occupant of car injured in traffic crash
V409, V419, V429, V4391, V4392, V4393, V4394, V449, V459, V469, V479, V489, V4960, V4969, V4981, V4988, V499 (V4791, V4792)**	
V870, V871, V872, V873, V874, V875, V876, V877, V878, V892	Other/unspecified occupant of unspecified vehicle type injured in traffic crash
V504, V514, V524, V534, V544, V554, V564, V574, V584	Person boarding/alighting or other/unspecified occupant of pick-up truck or van injured in traffic crash
V509, V519, V529, V539, V549, V559, V569, V579, V589, V5960, V5969, V5981, V5988, V599	
V604, V614, V624, V634, V644, V654, V664, V674, V684	Person boarding/alighting or other/unspecified occupant of heavy transport vehicle injured in traffic crash
V609, V619, V629, V639, V649, V659, V669, V679, V689, V6960, V6969, V6981, V6988, V699	
V704, V714, V724, V734, V744, V754, V764, V774, V784	Person boarding/alighting or other/unspecified occupant of a bus injured in traffic crash
V709, V719, V729, V739, V749, V759, V769, V779, V789, V7960, V7969, V7981, V7988, V799	
V833, V843, V853, V8631-V8636, V8639	Other/unspecified occupant of 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 traffic crash

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

** Codes V4791, V4792 were retired on October 1, 2016 and replaced with V479.

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

² <https://www.cdc.gov/nchs/data/phsr/phsr125-508.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.