



Motorcycle Safety Report 2015

Florida Department of Health

Bureau of Emergency Medical Oversight

Health Information and Policy Analysis Section

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Data Source and Range:

- Florida Agency for Health Care Administration (AHCA) Hospital Inpatient and Emergency Department Visits for 2015
- Vital Statistics death certificates for 2015

Purpose: To research injuries, fatalities and cost of motorcycle traffic crashes in the state of Florida.

Definitions: A non-fatal motorcycle traffic crash is defined as an ED or hospital visit as a result of a motorcycle traffic crash that did not result in death. A fatal motorcycle traffic crash is defined as a fatality due primarily to a motorcycle traffic crash.

Data Elements:

- ICD-9-CM codes for motorcycle traffic crashes: [E810–E819](.2-.3)
- ICD-10-CM codes for motorcycle traffic crashes: V20 – V28(.3-.9), V29(.40-.88, .9)
- ICD-10 codes for motorcycle traffic crashes: V20–V28(.3–.9), V29(.4–.9)
- ICD-10 codes for traumatic brain injuries: S01.0–S01.9, S02.0, S02.1, S02.3, S02.7–S02.9, S04.0, S06.0–S06.9, S07.0, S07.1, S07.8, S07.9, S09.7–S09.9, T01.0, T02.0, T04.0, T06.0, T90.1, T90.2, T90.4, T90.5, T90.8, T90.9
- Patient Age
- Patient state of residence
- Patient insurance payee type
- Total charges of ED visit and hospitalizations

Notes: For ICD-10-CM external cause of injury codes, encounter characters ending in “S” (sequela) are excluded based on the Safe States Alliance Injury Surveillance Workgroup 9 (ISW9) report to align with CDC’s definition of hospitalizations and emergency department visits. ICD-10-CM external cause of injury SAS codes from CDC was used in the AHCA 2015 quarter 4 data and may be subject to revisions. Therefore, the numbers may subject to change.

2015 Motorcycle Traffic Crash Statistics:

The median age of motorcyclists fatally injured in Florida.	39
The percent of motorcyclist fatalities related to traumatic brain injuries.	33%
The percent of motorcyclists fatally injured in Florida who are Florida residents.	93%
The number of non-fatal hospitalizations for every motorcyclist fatality.	6
The number of non-fatal ED visits for every motorcyclist fatality.	20
The percent of motorcyclist hospitalizations and ED visits not covered by commercial insurance.	50%
The median hospital charge for motorcyclists treated and released from a Florida ED for treatment of traffic crash injuries.	\$5,294.50
The median hospital charge for motorcyclists admitted to a Florida hospital for the treatment of traffic crash injuries.	\$83,676.00
The total hospital charges for motorcyclists treated in a Florida ED or hospital that were injured in a traffic crash.	\$675,674,964.00

References:

1. CDC. *State Injury Indicators Report: Instructions for Preparing 2014 Data*. U.S. Department of Health and Human Services. April 2016.
2. CDC. (2017). Tools for classifying ICD codes. Retrieved from http://www.cdc.gov/nchs/injury/injury_tools.htm .

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