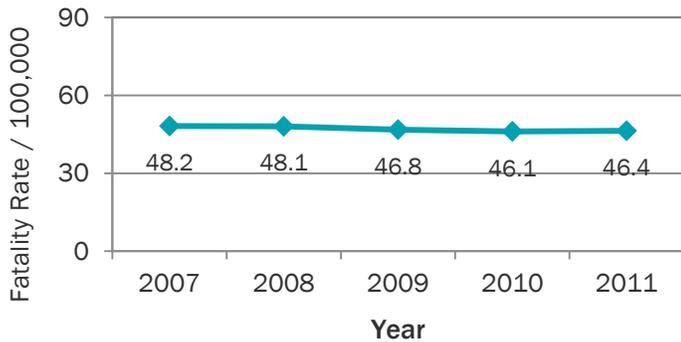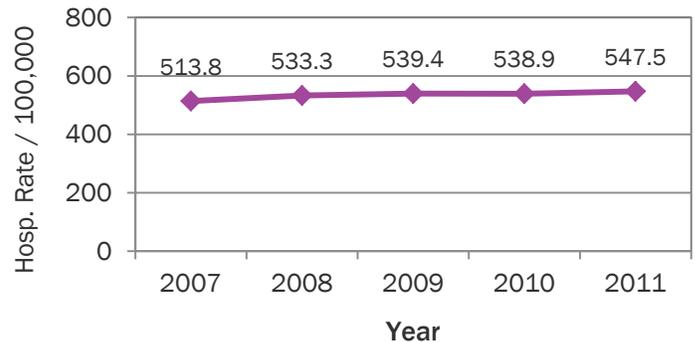**Florida Injury Facts**
# Unintentional Injuries

## At A Glance

- Unintentional injuries, or accidents, are the leading cause of death for Florida residents ages 1–44, and the fourth leading cause of death overall.

- In 2011, 8,791 residents died from unintentional injuries; there were an additional 124,434 hospitalizations for non-fatal unintentional injuries.

### Fatal Unintentional Injuries, by Year, 2007–2011



| | 2007 | 2008 | 2009 | 2010 | 2011 |
|---|---|---|---|---|---|
| Fatality Rate / 100,000 | 48.2 | 48.1 | 46.8 | 46.1 | 46.4 |

### Non-Fatal Unintentional Injury Hospitalizations, by Year, 2007–2011



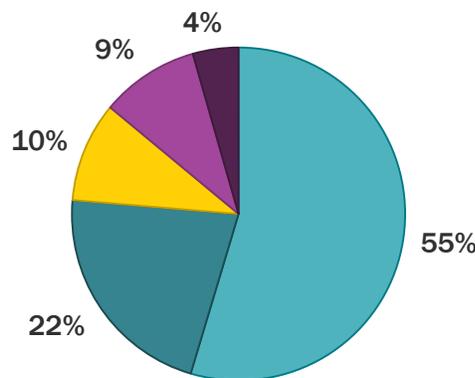| | 2007 | 2008 | 2009 | 2010 | 2011 |
|---|---|---|---|---|---|
| Hosp. Rate / 100,000 | 513.8 | 533.3 | 539.4 | 538.9 | 547.5 |

## Economic Impact

In 2011:

- The median admission charge for non-fatal unintentional injury hospitalizations was $39,106; total charges exceeded $5.8 billion. The median length of stay was four days.

- Medicare was the payer source for 55% of these hospitalizations; commercial insurance was responsible for 22%.

### Non-Fatal Unintentional Injury Hospitalization Admission Charges and Payer Source, Florida Residents, 2011



Pie chart values: 55%, 22%, 10%, 9%, 4%

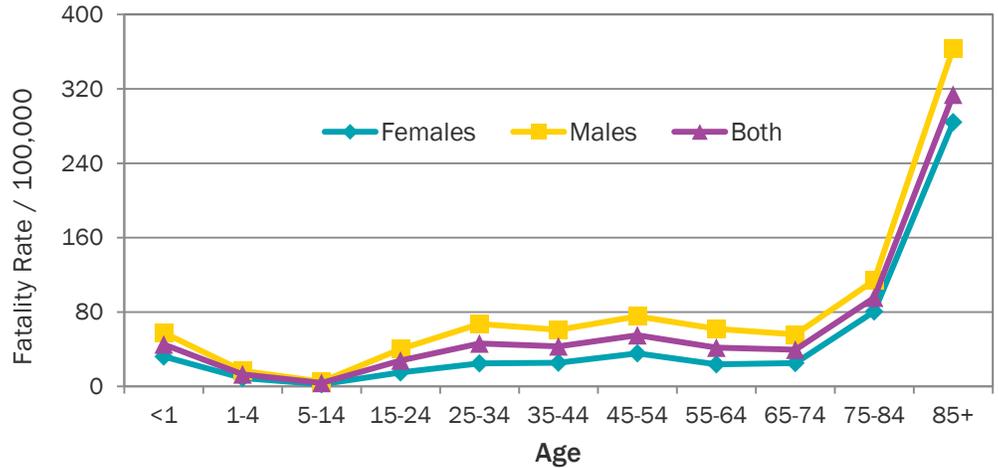| Median Admission Charge |
|---|
| $39,106 |
| **Total Admission Charges** |
| > $5.8 billion |

- Medicare
- Commercial Insurance
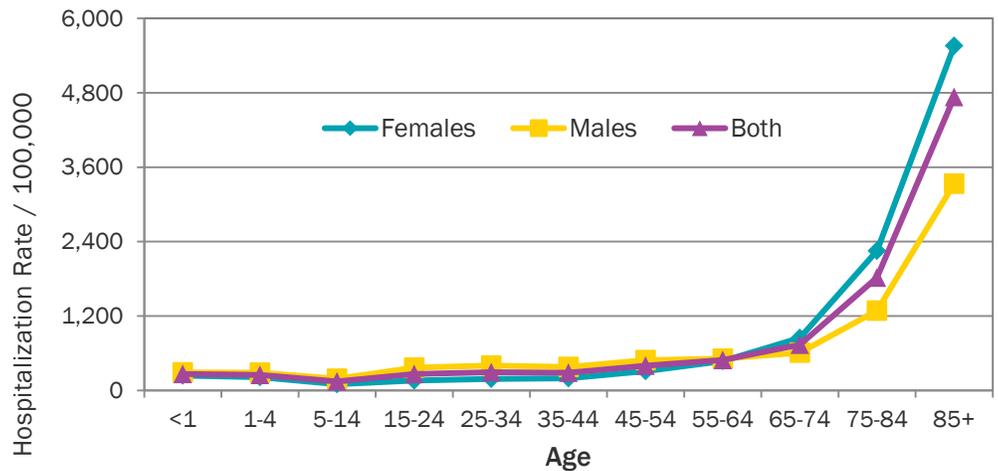- Self-Pay/Under-Insured
- Medicaid
- Other

# Who Is Injured?

In 2011:

- Residents ages 85 years and older had the highest rate of fatal unintentional injuries and non-fatal hospitalizations.

- The fatality rate among males in every age group was higher than among their female counterparts.

- The non-fatal hospitalizations rate was higher among males under age 65 than among their female counterparts, but higher among females ages 65 and older than among their male counterparts.

**Fatal Unintentional Injuries, by Age and Sex, Florida Residents, 2011**

**Non-Fatal Unintentional Injury Hospitalizations, by Age and Sex, Florida Residents, 2011**

- Males accounted for 63% of unintentional injury deaths, but only 45% of non-fatal hospitalizations. Females accounted for 37% of the deaths and 55% of the non-fatal hospitalizations.

- Whites accounted for 85% of injury deaths and non-fatal hospitalizations combined, Blacks accounted for 9%, and Other Non-Whites accounted for 6%.

### Fatal Unintentional Injuries and Non-Fatal Hospitalizations, by Sex and Race, Florida Residents, 2011
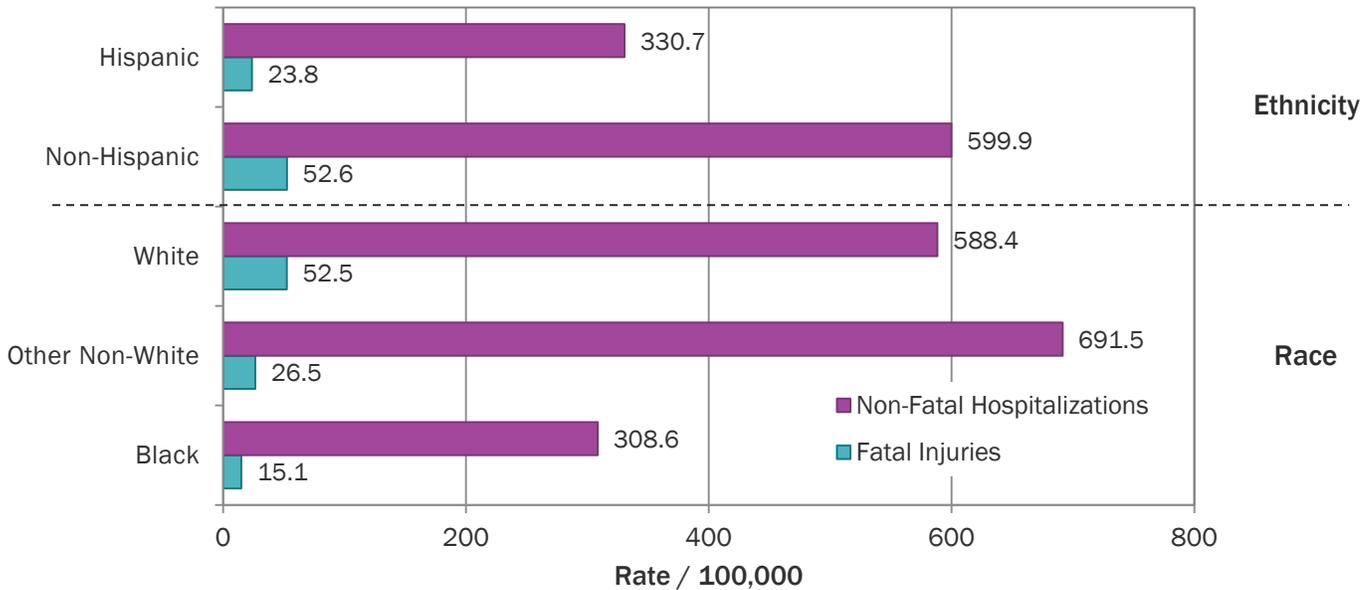
|  | Female | Male | White | Black | Other Non-White | Both Sexes, All Races |
|---|---|---|---|---|---|---|
| Deaths | 3,216 | 5,571 | 7,808 | 827 | 143 | 8,791 |
| Non-Fatal Hospitalizations | 56,804 | 46,859 | 87,473 | 9,622 | 6,569 | 103,664 |

*Some records have unknown sex or race; categories may not add up to total.*

In 2011:

- In 2011, Non-Hispanic residents had higher rates of both fatal unintentional injuries and non-fatal hospitalizations than Hispanic residents.
- White residents had the highest rate of fatal unintentional injuries followed by Other Non-White residents and Black residents.
- Other Non-White residents had the highest rate of non-fatal unintentional injury hospitalizations followed by White residents and Black residents.

**Fatal Unintentional Injuries and Non-Fatal Hospitalizations,
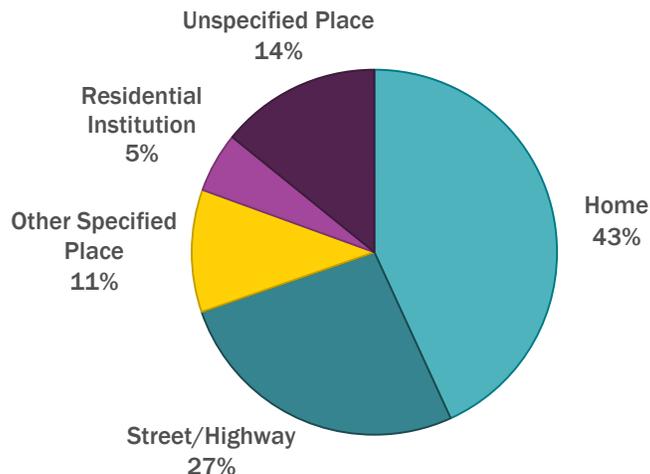by Hispanic Ethnicity and Race, Florida Residents, 2011**
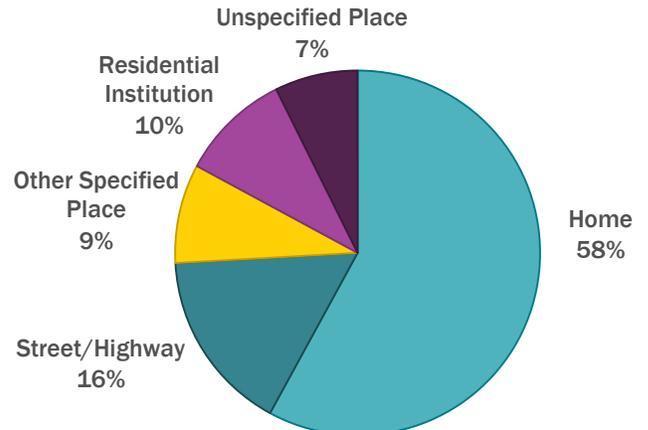


# Place of Injury Occurrence

In 2011, **when coded** (86% of fatal records, 38% of non-fatal records):

- 43% of fatal unintentional injuries and 58% non-fatal unintentional injuries resulting in hospitalization occurred at home.
- 27% of fatal unintentional injuries and 16% of non-fatal unintentional injuries resulting in hospitalization occurred on the street or highway.

**Fatal Unintentional Injuries,
by Place of Occurrence, Florida Residents, 2011**



**Non-Fatal Unintentional Injury Hospitalizations,
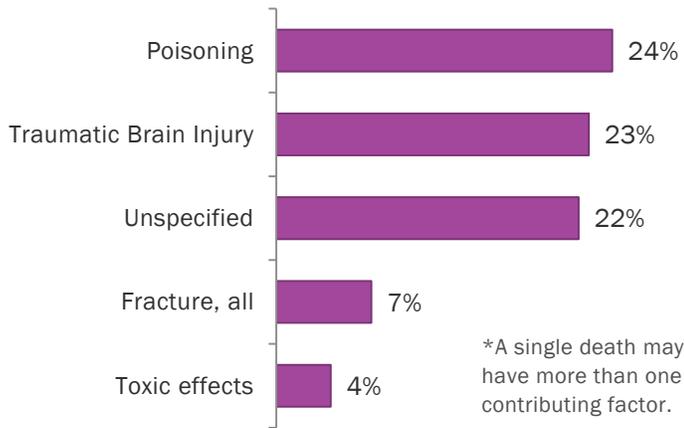by Place of Occurrence, Florida Residents, 2011**
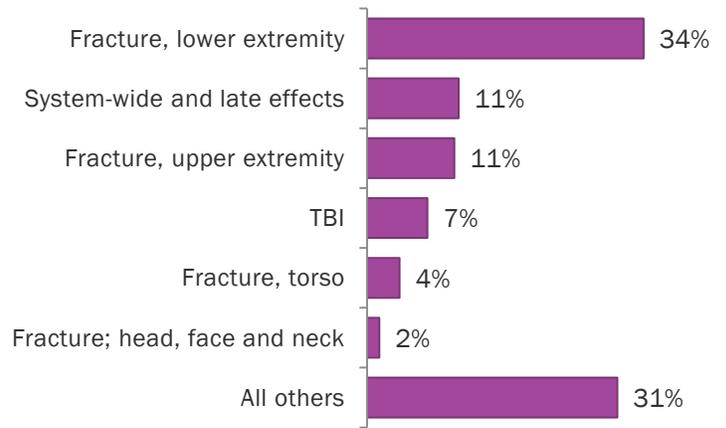
# Most Common Unintentional Injuries

In 2011:

- 24% of fatal unintentional injuries were related to poisoning; 23% were related to a traumatic brain injury.
- A fracture of the lower extremity was the primary diagnosis, or principal reason, of admission for 34% of non-fatal unintentional injury hospitalizations.

**Select Immediate and Contributing Causes of Death\***
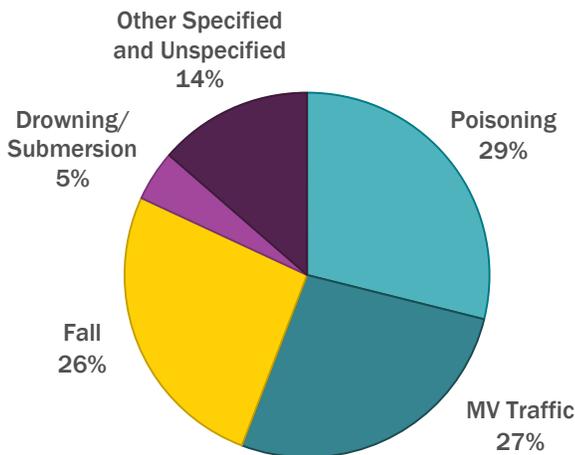**for Fatal Unintentional Injuries, Florida Residents, 2011**

| | |
|---|---|
| Poisoning | 24% |
| Traumatic Brain Injury | 23% |
| Unspecified | 22% |
| Fracture, all | 7% |
| Toxic effects | 4% |

*A single death may have more than one contributing factor.

**Primary Diagnoses for Non-Fatal Unintentional**
**Injury Hospitalizations, Florida Residents 2011**

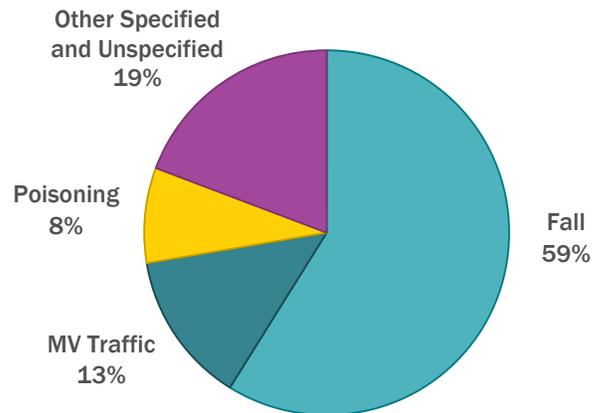| | |
|---|---|
| Fracture, lower extremity | 34% |
| System-wide and late effects | 11% |
| Fracture, upper extremity | 11% |
| TBI | 7% |
| Fracture, torso | 4% |
| Fracture; head, face and neck | 2% |
| All others | 31% |

# Unintentional Injury Causes

In 2011, falls, motor vehicle crashes, and poisonings were the leading mechnisms, or causes, of fatal and non-fatal unintentional injuries.

**Fatal Unintentional Injuries**
**by Mechanism, Florida Residents 2011**

- Other Specified and Unspecified 14%
- Drowning/Submersion 5%
- Fall 26%
- MV Traffic 27%
- Poisoning 29%

**Non-Fatal Unintentional Injury Hospitalizations**
**by Mechanism, Florida Residents 2011**

- Other Specified and Unspecified 19%
- Poisoning 8%
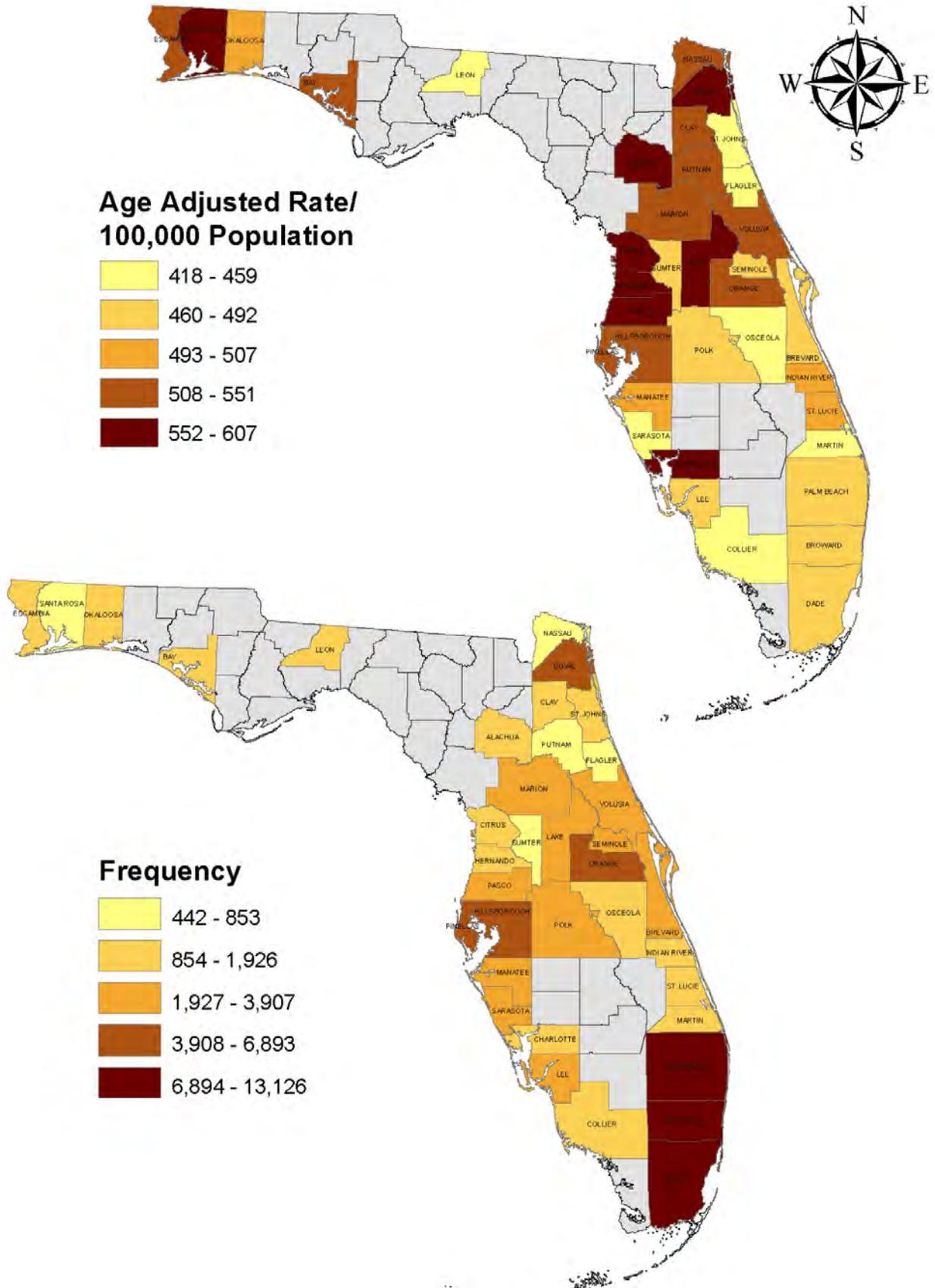- MV Traffic 13%
- Fall 59%

**Data Sources and Case Definitions**

Unintentional Injury Deaths: Florida Department of Health, Office of Vital Statistics, Death Certificates; Underlying Cause of Death ICD-10 V01–X59, Y85–Y86.

Non-Fatal Unintentional Injury Hospitalizations: Agency for Health Care Administration, Hospital Discharge Data; Records with Injury Principal Diagnosis and Unintentional External Cause of Injury Code ICD-9 CM E800–E869, E880–E929.
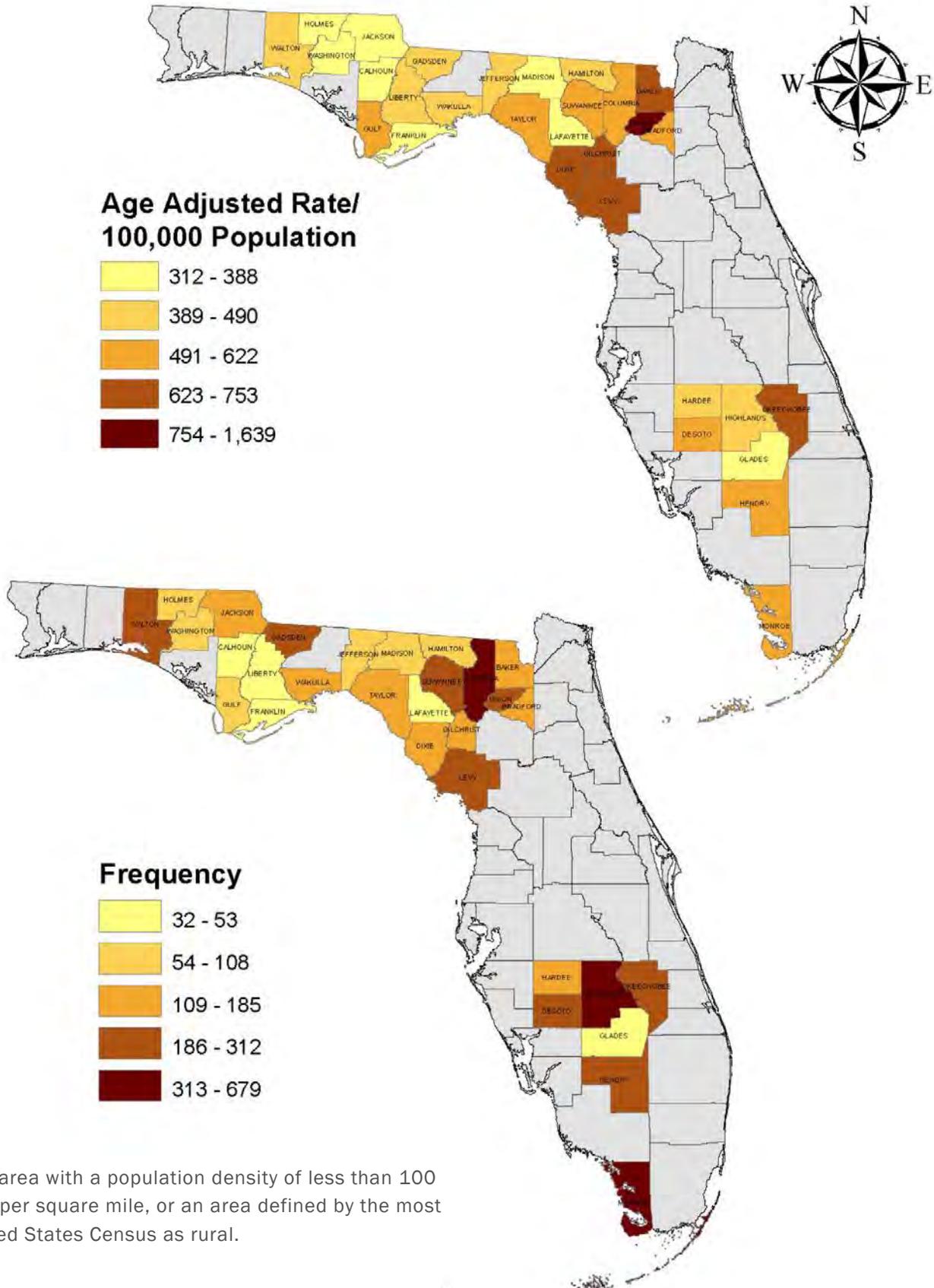
# County By County Comparison: Non-Rural Counties

Unintentional Injury Deaths and Non-Fatal Hospitalizations,
Florida Residents of Non-Rural Counties, 2011

**Age Adjusted Rate/
100,000 Population**

| | |
|---|---|
| | 418 - 459 |
| | 460 - 492 |
| | 493 - 507 |
| | 508 - 551 |
| | 552 - 607 |

**Frequency**

| | |
|---|---|
| | 442 - 853 |
| | 854 - 1,926 |
| | 1,927 - 3,907 |
| | 3,908 - 6,893 |
| | 6,894 - 13,126 |

# County By County Comparison: Rural* Counties

## Unintentional Injury Deaths and Non-Fatal Hospitalizations, Florida Residents of Rural Counties, 2011

**Age Adjusted Rate/ 100,000 Population**

- 312 - 388
- 389 - 490
- 491 - 622
- 623 - 753
- 754 - 1,639

**Frequency**

- 32 - 53
- 54 - 108
- 109 - 185
- 186 - 312
- 313 - 679

* Rural — An area with a population density of less than 100 individuals per square mile, or an area defined by the most recent United States Census as rural.