

On December 13th, Ramzi Nimry (Trauma System PI Manager) trained IU Health Morgan on the Indiana Trauma Registry.

On December 15th, Ramzi Nimry (Trauma System PI Manager) attended the Designation Subcommittee meeting at Eskenazi Health.

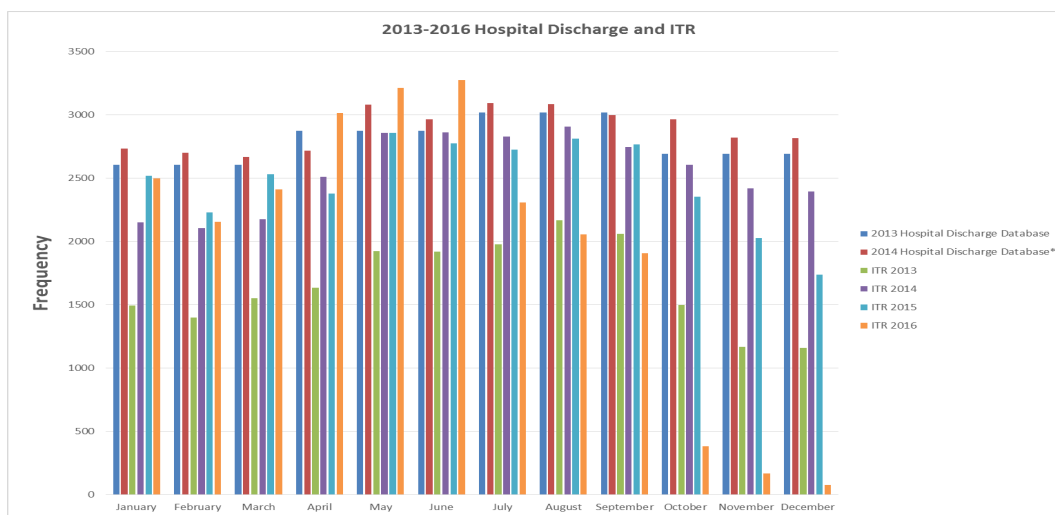
On December 21st, Ramzi Nimry (Trauma System PI Manager) attended the District 5 Regional Trauma meeting at Indianapolis EMS headquarters.

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The Indiana Trauma Registry (ITR) monthly report is a dashboard style report for the Indiana Criminal Justice Institute (ICJI) and any other party concerned about trauma in Indiana. This report highlights the four data quality measures for the ICJI grant: completeness, timeliness, uniformity, integration and accessibility. This report uses data within the ITR, with an emphasis on motor vehicle collisions (MVC).

### Completeness

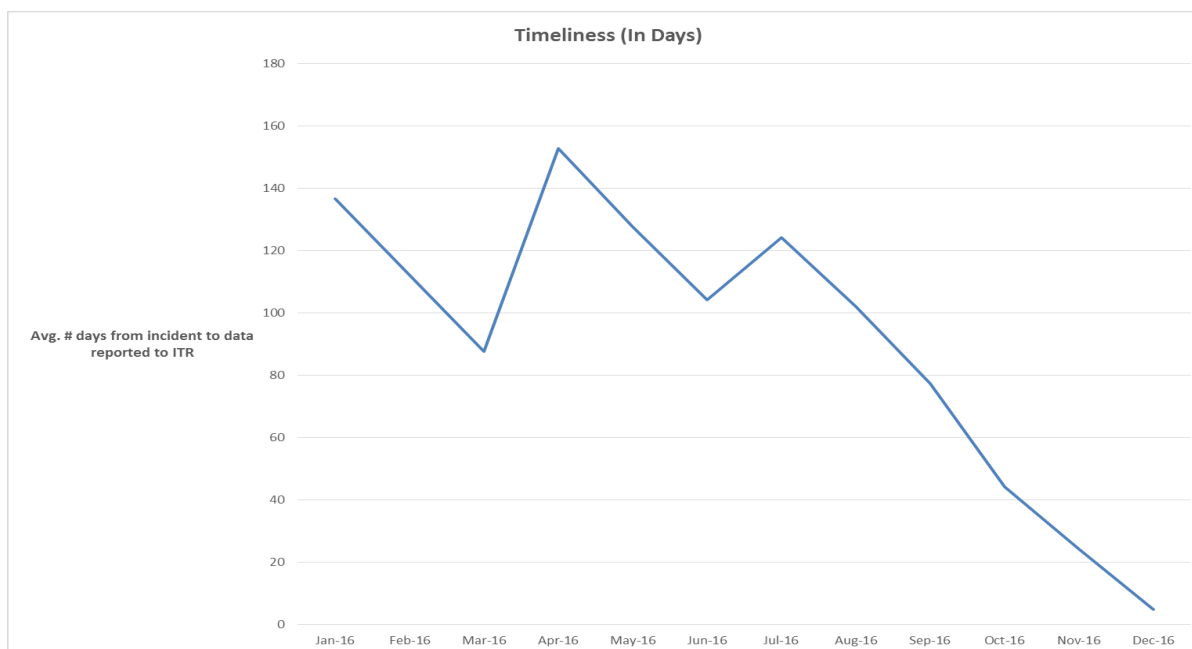
The Hospital Discharge database, also maintained by the ISDH, contains all records of patients cared for in Indiana hospitals. We compared patient records from the ITR with the Hospital Discharge database to know how complete is the ITR's data.



### Timeliness

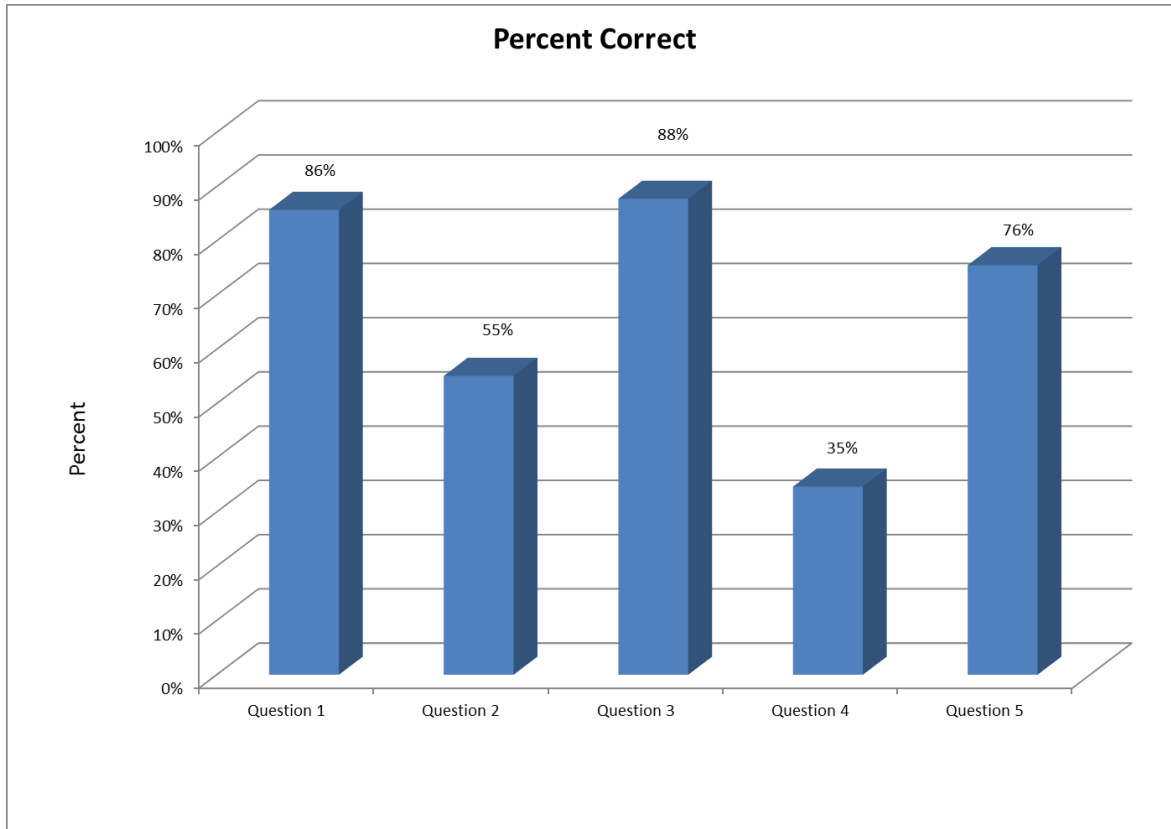
Timeliness increases as facilities wait until the data submission deadline to submit data to the ITR. Hospitals are asked to report data on the national trauma (TQIP) reporting schedule.

The decrease in timeliness from July 2016 until December 2016 is due to only timely reports being provided to the ITR during this time frame, typically from non-trauma hospitals and early reporting trauma centers.



## Uniformity

In December we sent out the thirty-second monthly quiz for the inter-rater reliability study. Forty-nine registrars completed the quiz from 31 hospitals. The percent of correct answers was 68% for the entire quiz and the average free-marginal Kappa (measure of consistency) 0.30. We plan to collect data for four months and track trends in percent of correct answers by individuals and as a group over time as well as their consistency. Other activities to improve the uniformity of data includes trauma registrar training throughout the state and at the Indiana State Department of Health.



## Integration

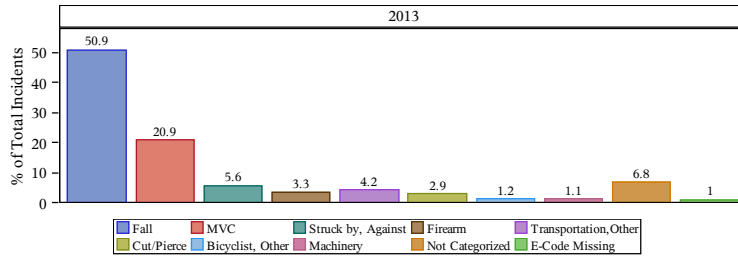
The number of linked EMS to trauma cases was 2,101 for Q2 2016 data. Trauma data is due on a quarterly basis.

## Accessibility

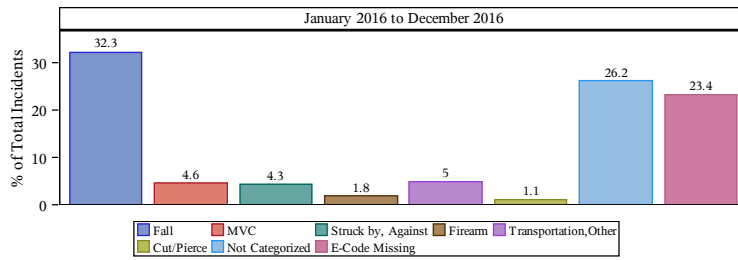
The average time to complete data requests was 5 days for aggregate requests (1 total) and 1 day for self-report requests (3 total). There were no identifiable requests during December.

Cause of Injury (COI)

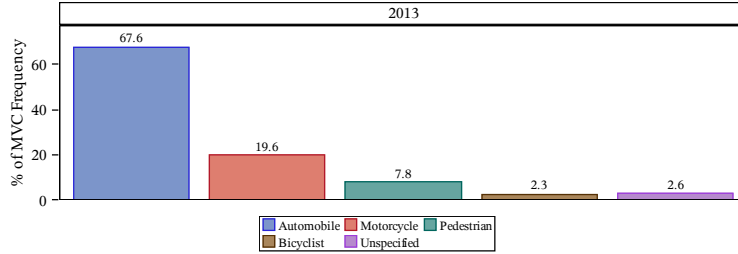
Cause of Injury (COI)



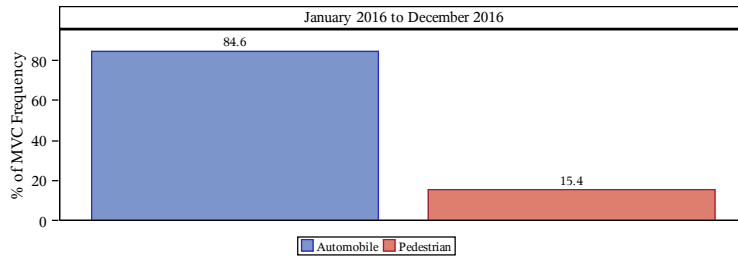
<1% of COI: Pedestrian (Other), Natural/Environmental, Overexertion, Fire/Burn, and Bites/Stings Cause of Injury (COI)



<1% of COI: Pedestrian (Other), Natural/Environmental, Overexertion, Fire/Burn, and Bites/Stings  
**COI-Motor Vehicle Collision (MVC)**

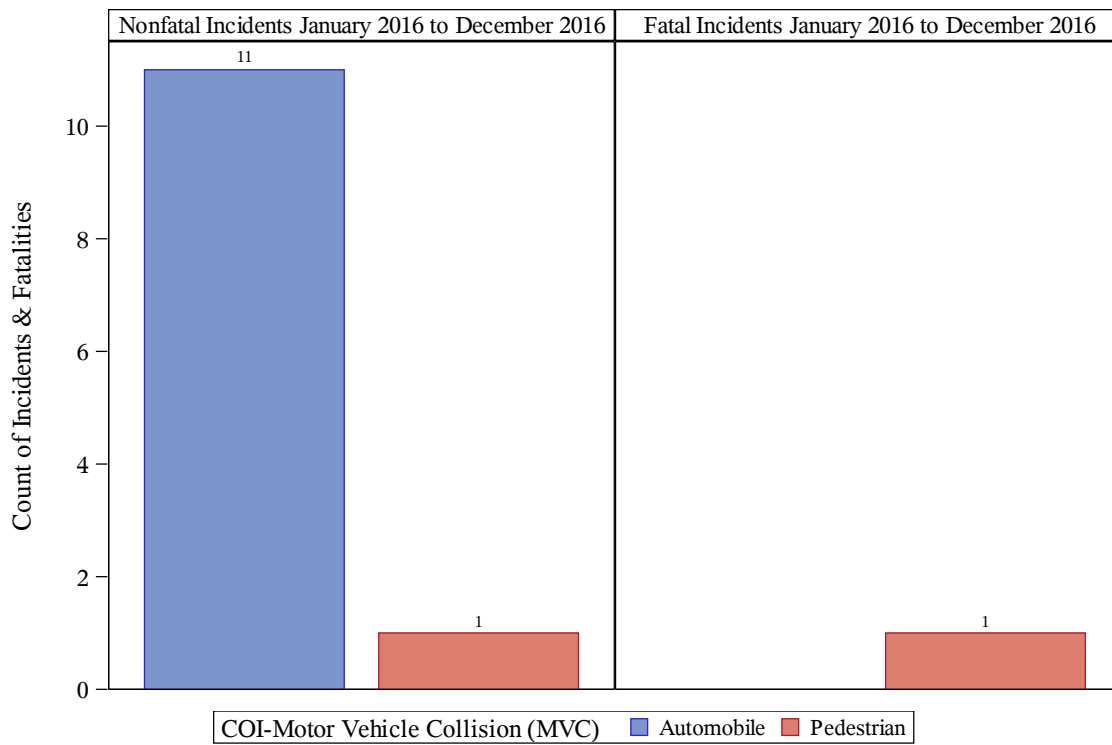
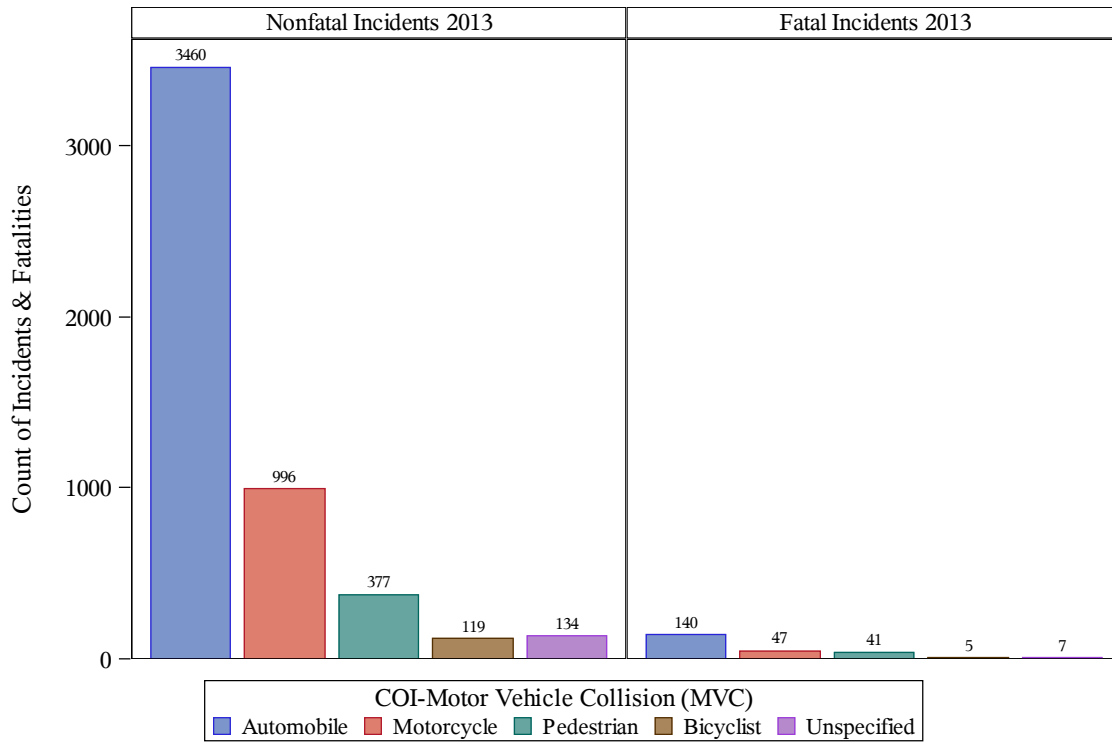


**COI-Motor Vehicle Collision (MVC)**

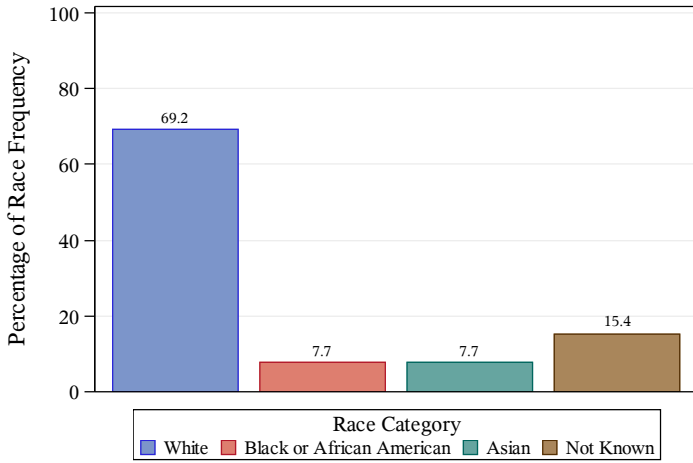


Motor Vehicle Collision

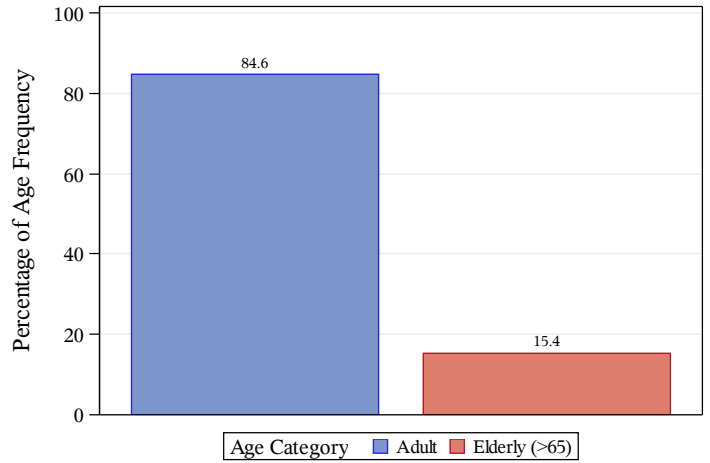
COI-MVC Nonfatal Incidents and Fatal Incidents



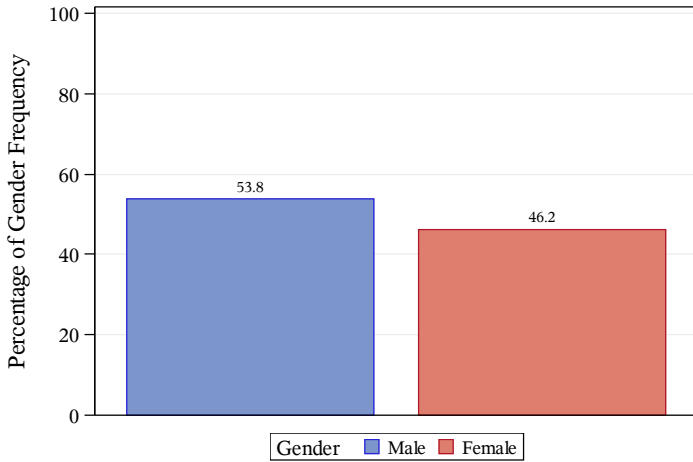
### Race



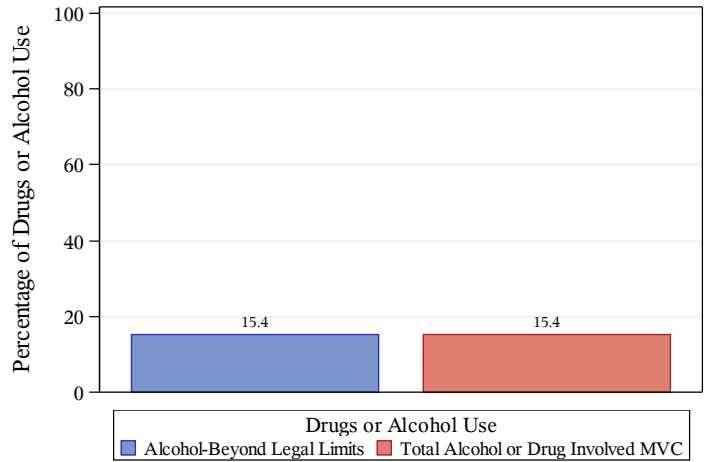
### Age



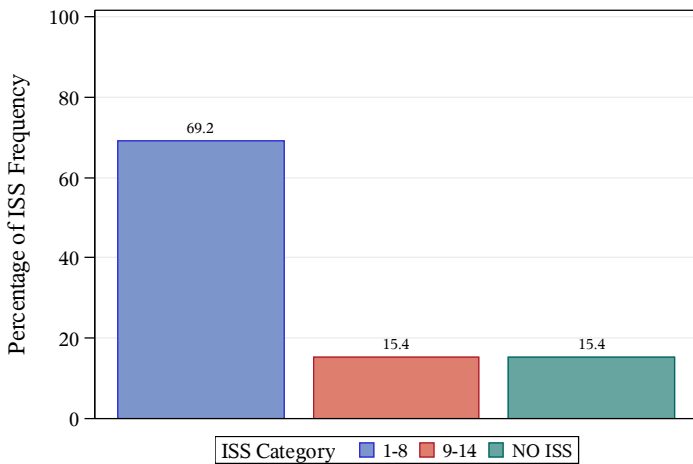
### Gender



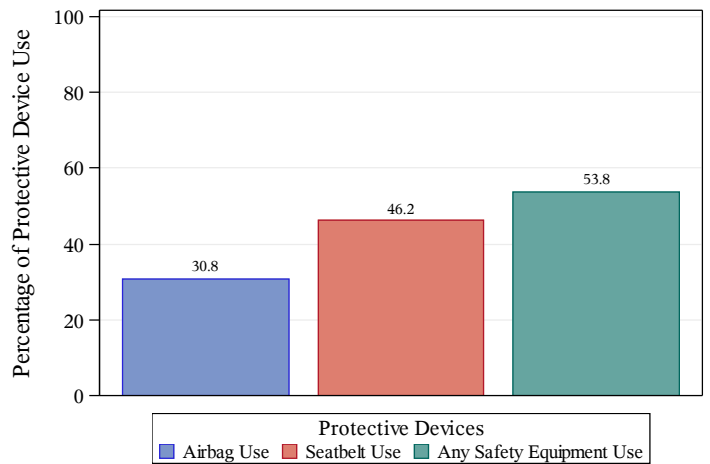
### Drug & Alcohol Use



### Injury Severity Score



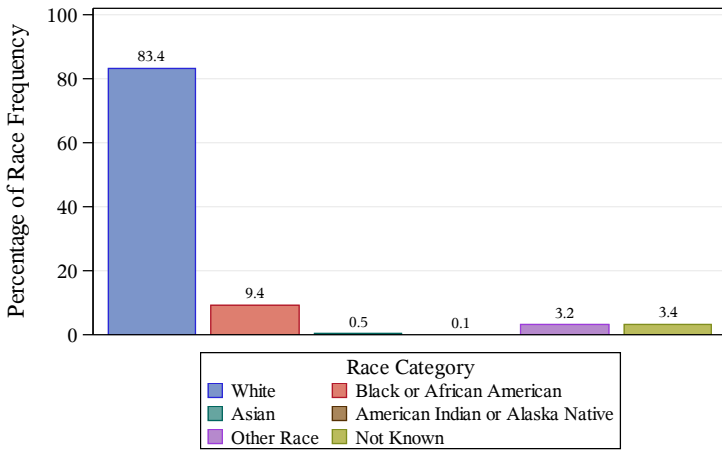
### Protective Devices



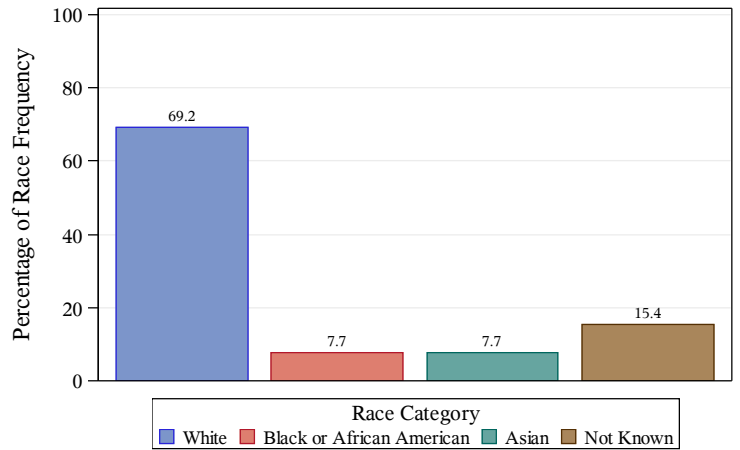
Injury Severity Score (ISS) is a measure of how bad the injury is. Scores over 15 are considered major trauma. A score of 75 is considered not survivable.

Race- Motor Vehicle Collision

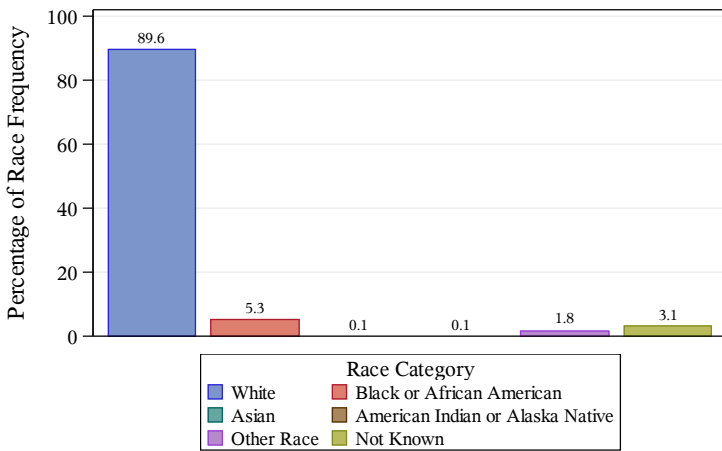
2013



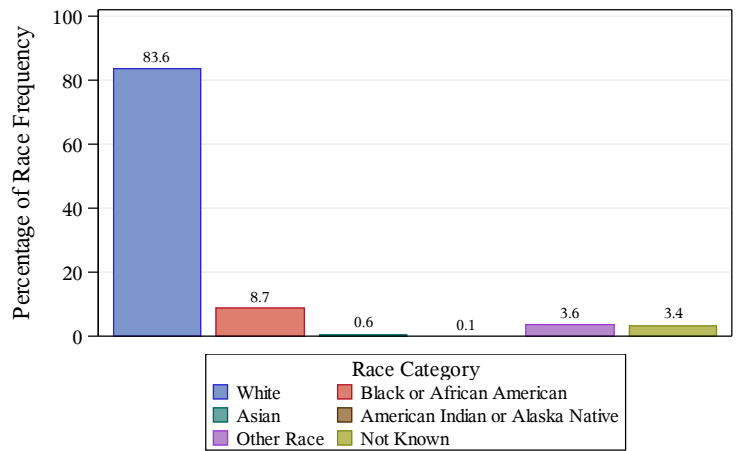
January 2016 to December 2016



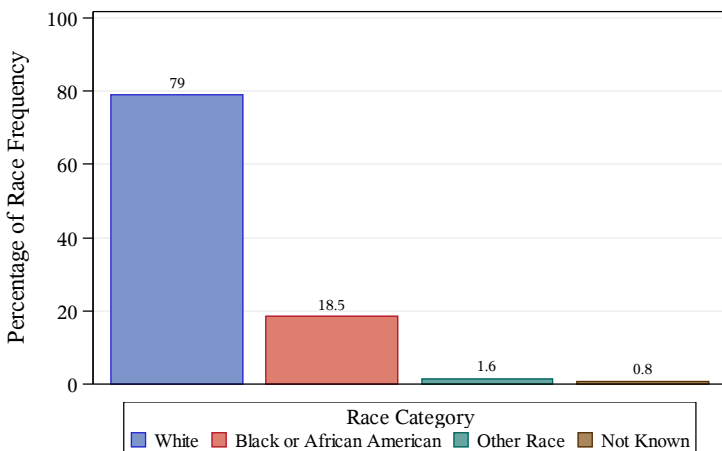
Motorcycle  
January 2016 to December 2016



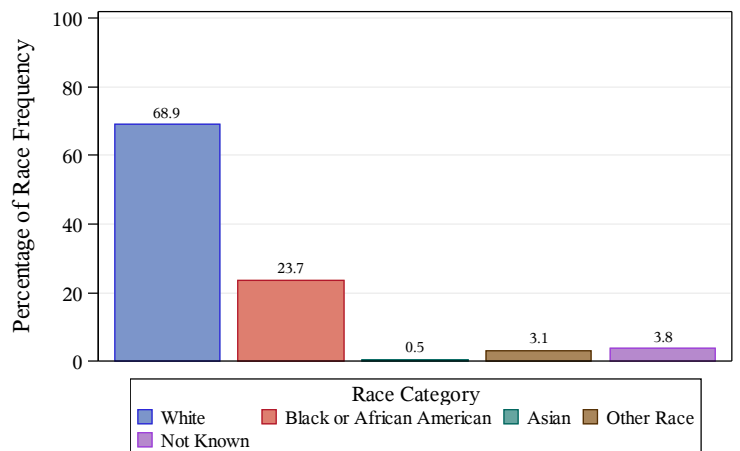
Automobile  
January 2016 to December 2016



Bicyclist  
January 2016 to December 2016

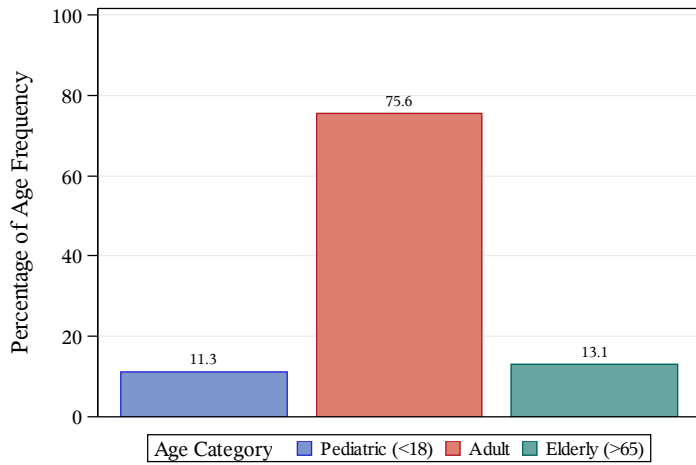


Pedestrian  
January 2016 to December 2016

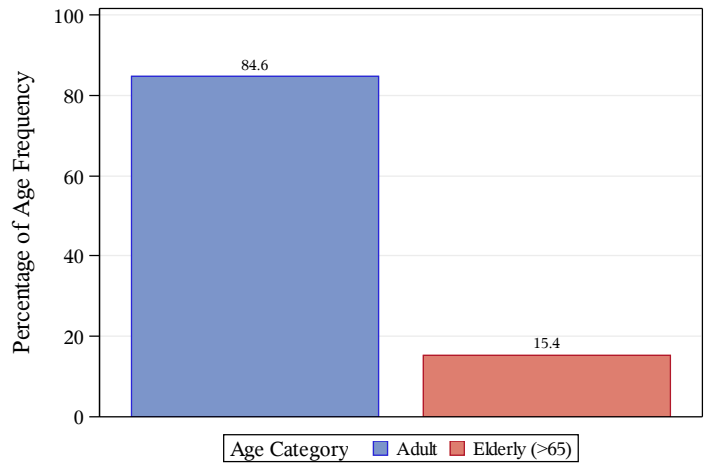


Age- Motor Vehicle Collision

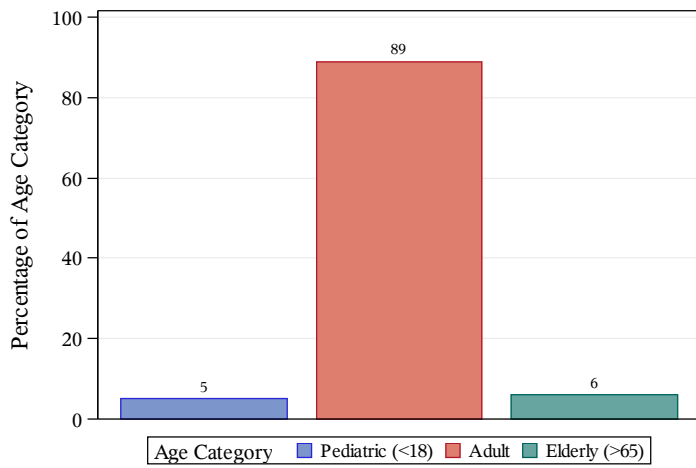
2013



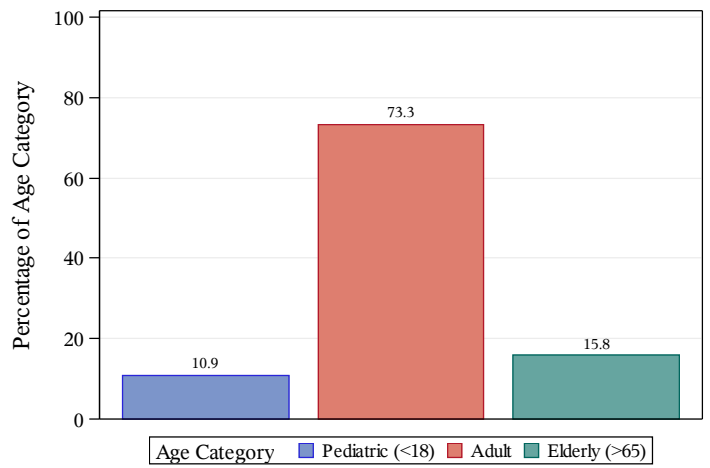
January 2016 to December 2016



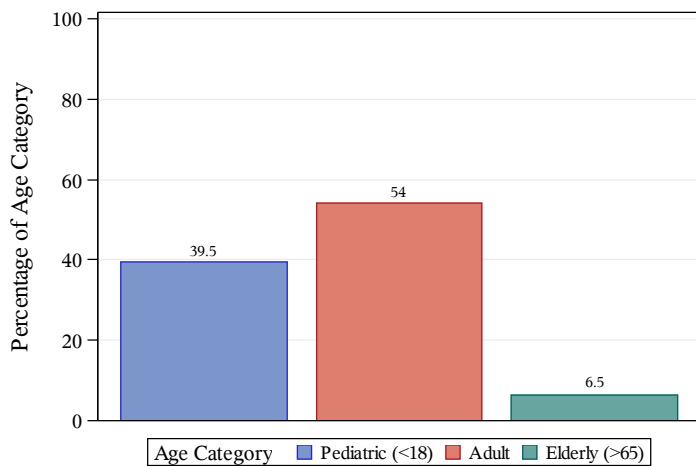
Motorcycle  
January 2016 to December 2016



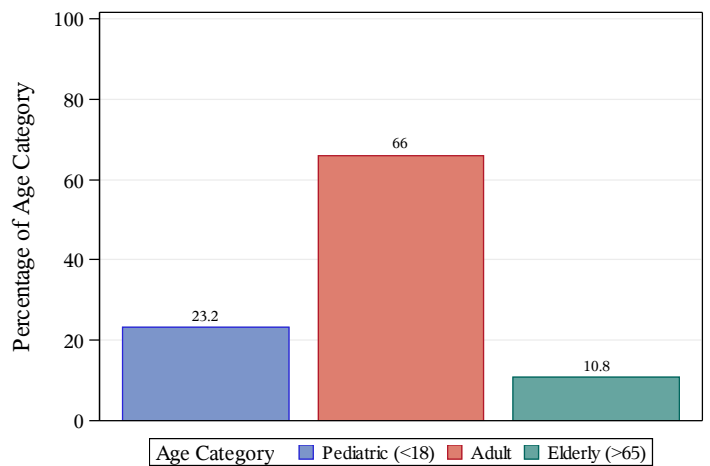
Automobile  
January 2016 to December 2016



Bicyclist  
January 2016 to December 2016



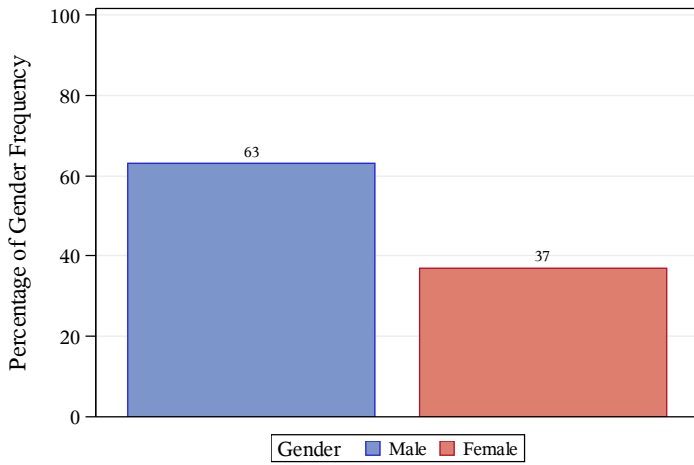
Pedestrian  
January 2016 to December 2016



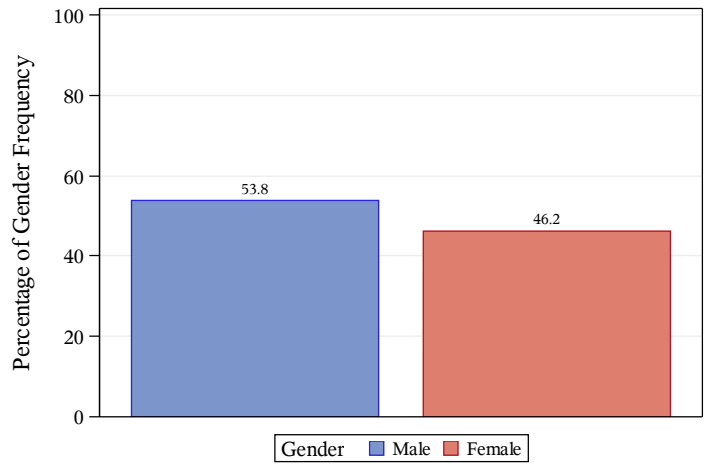


Gender- Motor Vehicle Collision

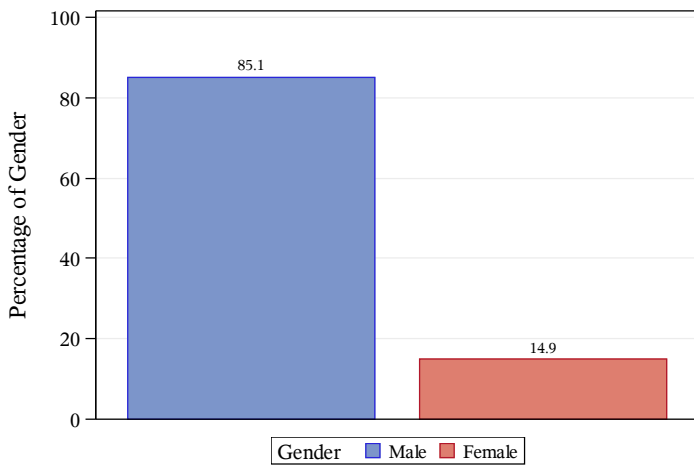
2013



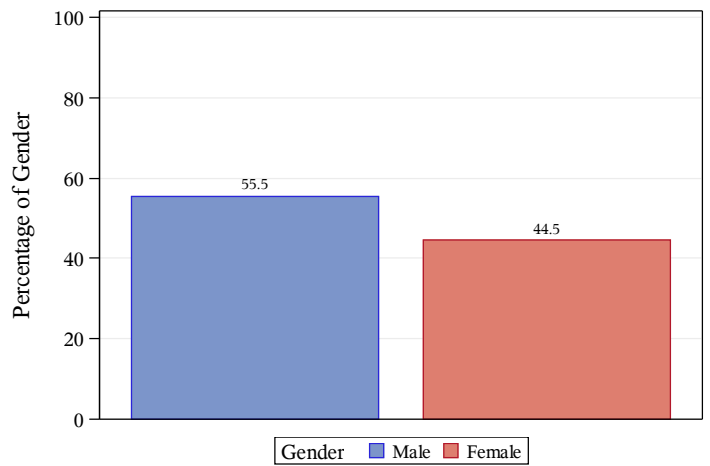
January 2016 to December 2016



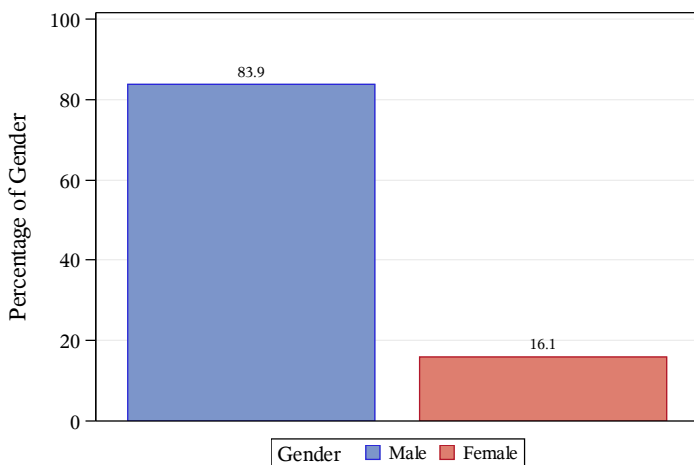
Motorcycle  
January 2016 to December 2016



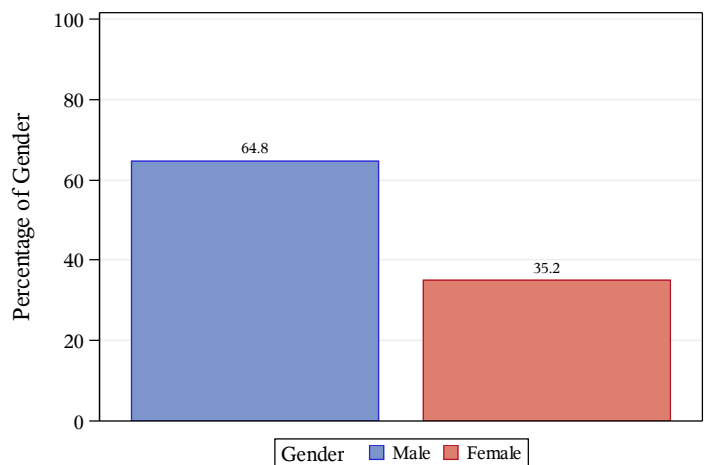
Automobile  
January 2016 to December 2016



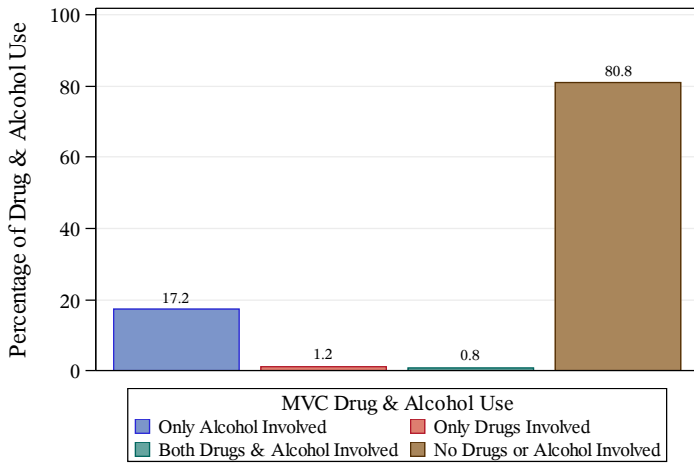
Bicyclist  
January 2016 to December 2016



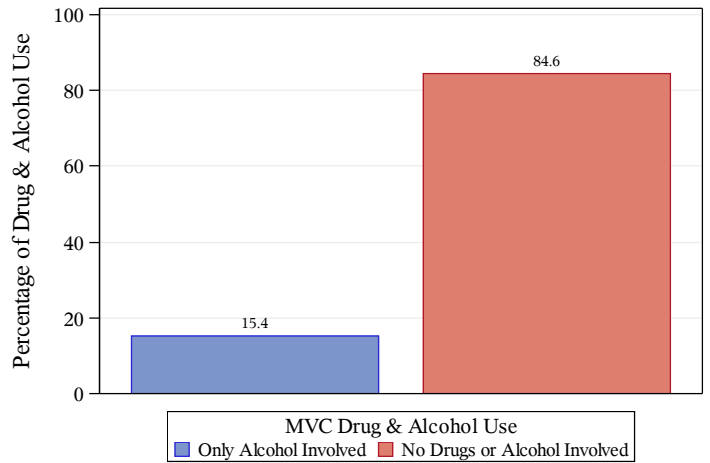
Pedestrian  
January 2016 to December 2016



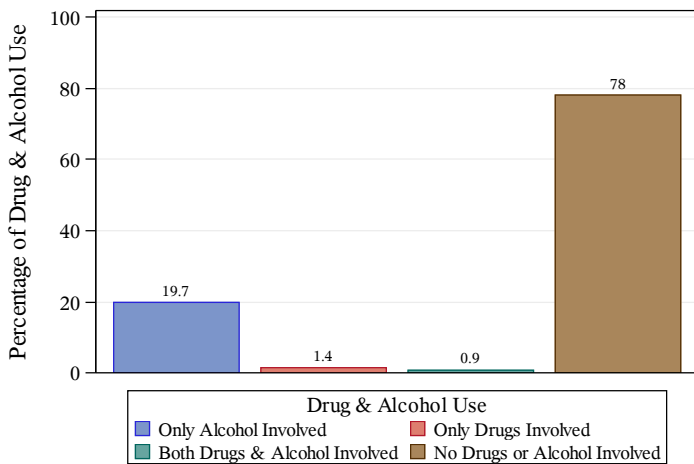
**2013**



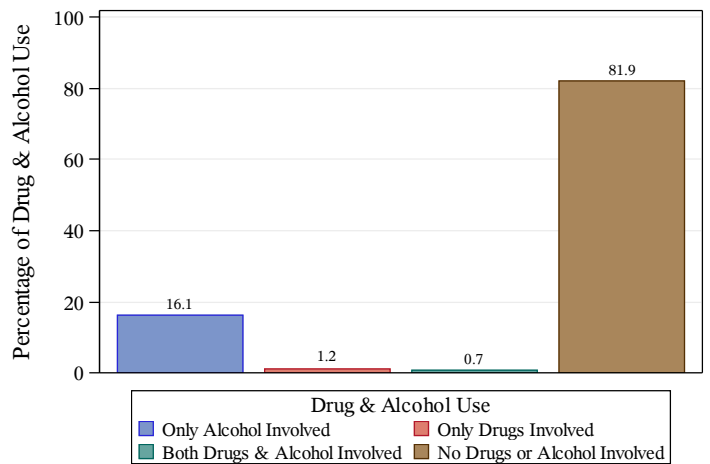
**January 2016 to December 2016**



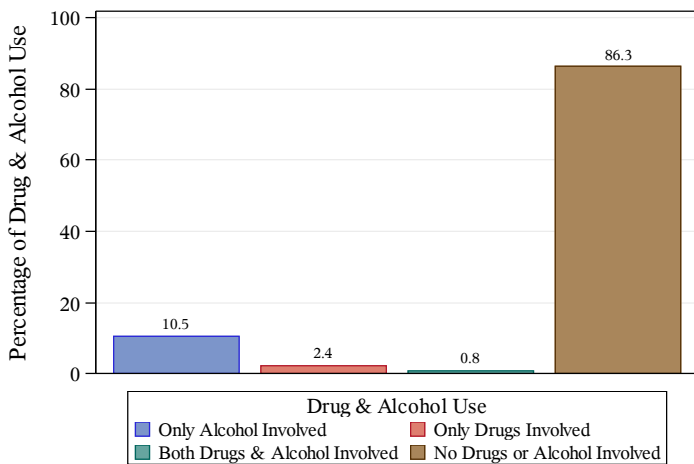
**Motorcycle**  
 January 2016 to December 2016



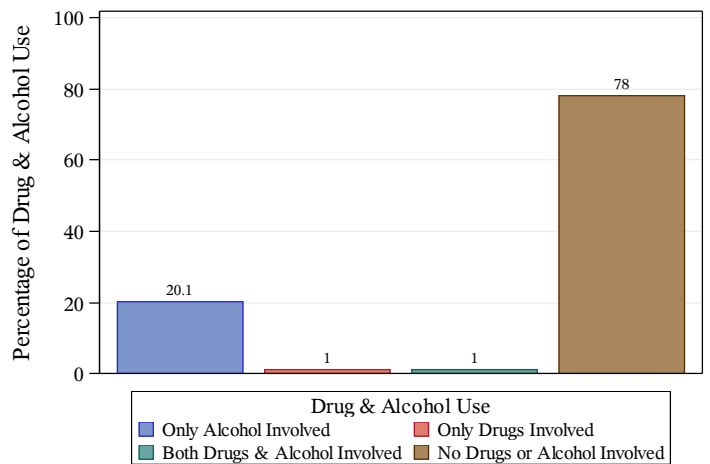
**Automobile**  
 January 2016 to December 2016



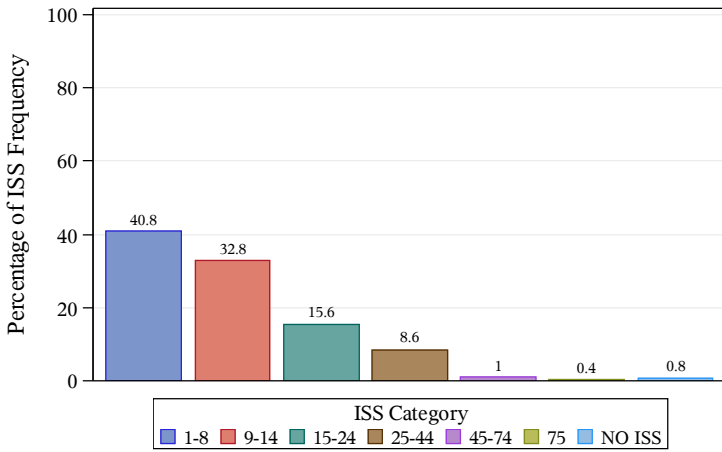
**Bicyclist**  
 January 2016 to December 2016



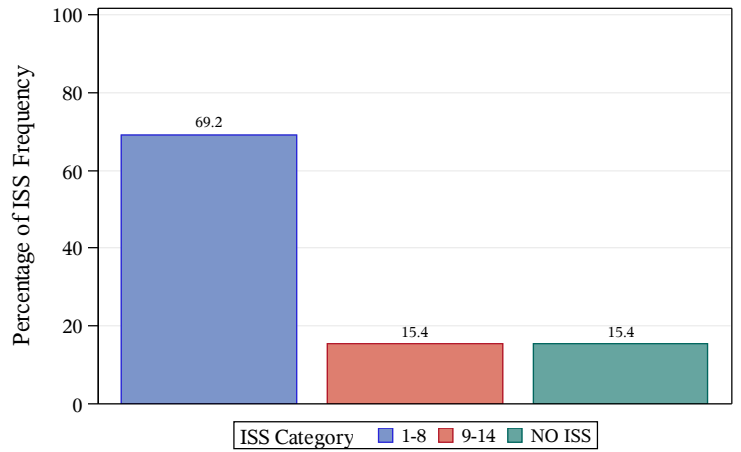
**Pedestrian**  
 January 2016 to December 2016



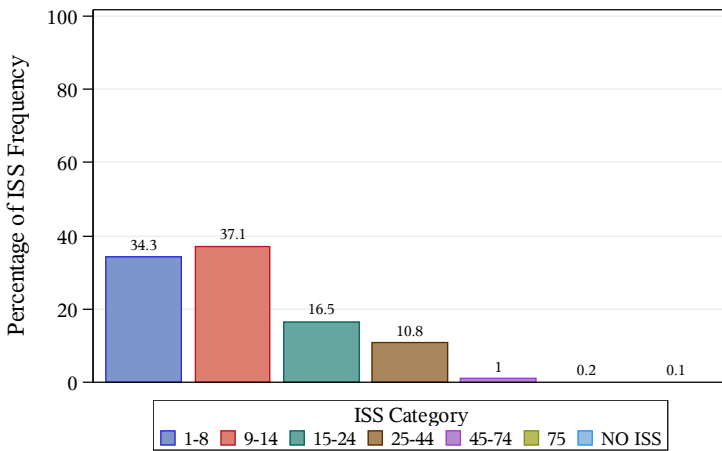
**2013**



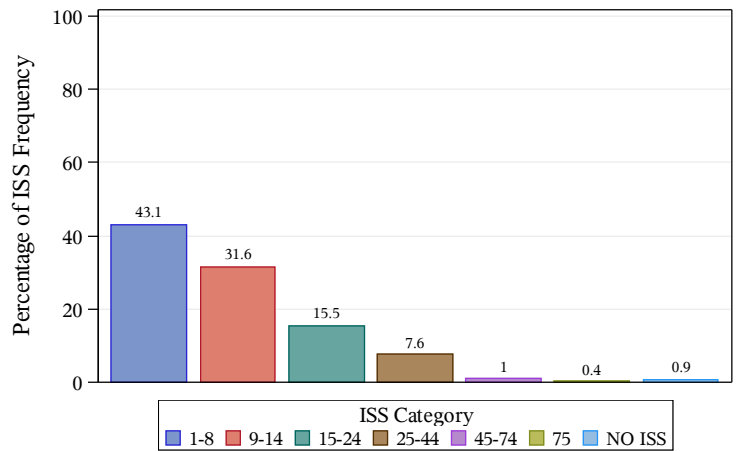
**January 2016 to December 2016**



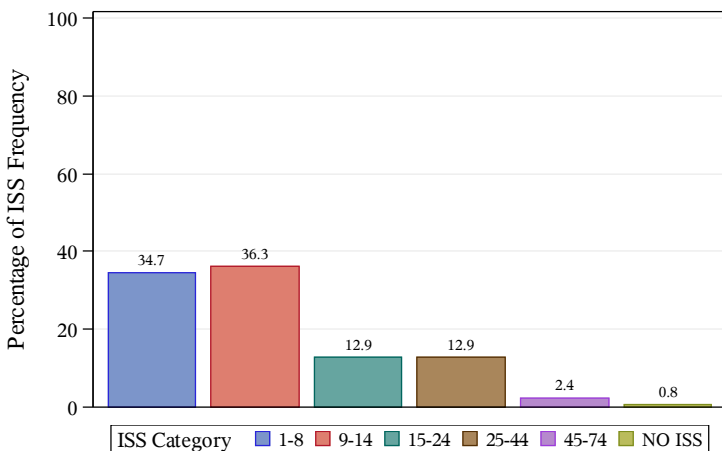
**Motorcycle**  
 January 2016 to December 2016



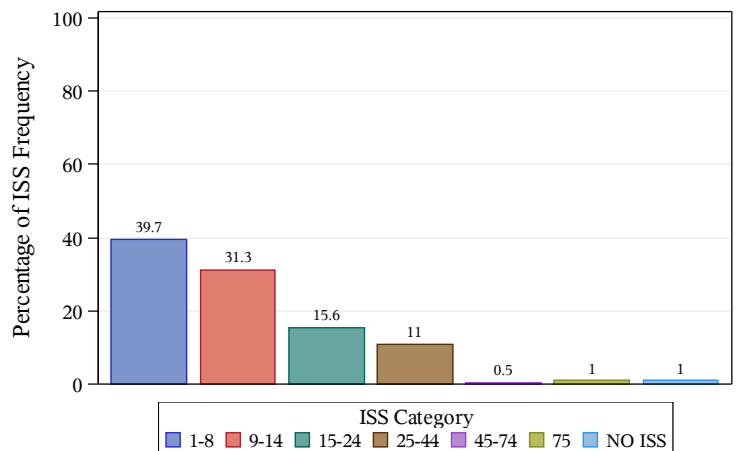
**Automobile**  
 January 2016 to December 2016



**Bicyclist**  
 January 2016 to December 2016

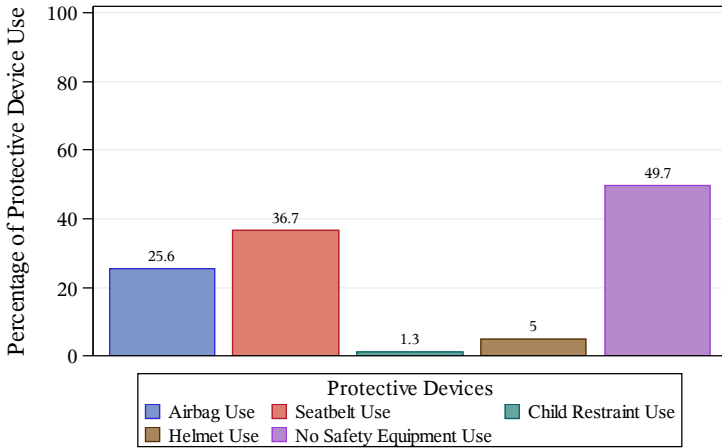


**Pedestrian**  
 January 2016 to December 2016

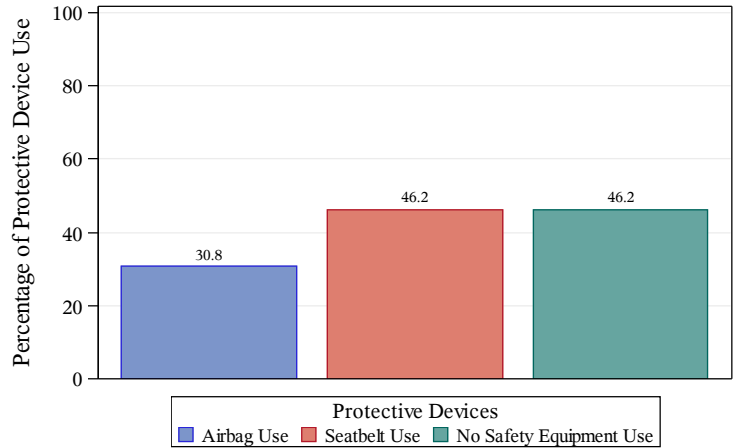


Protective Devices- Motor Vehicle Collision

2013

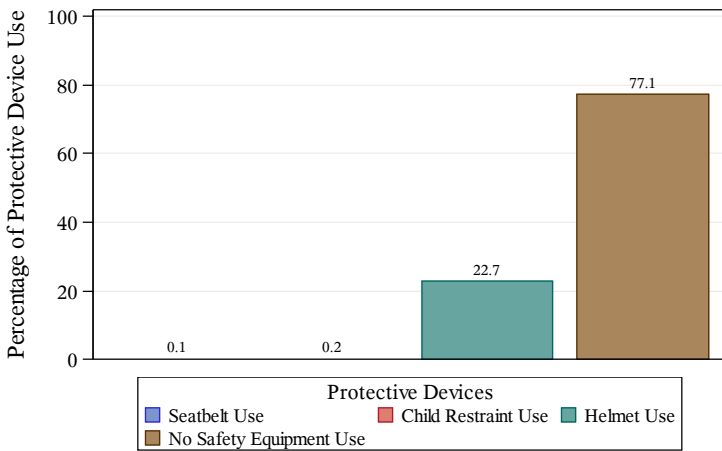


January 2016 to December 2016



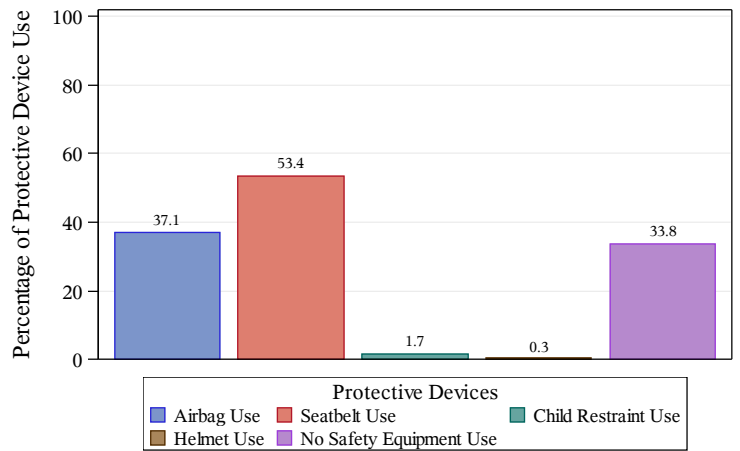
Motorcycle

January 2016 to December 2016



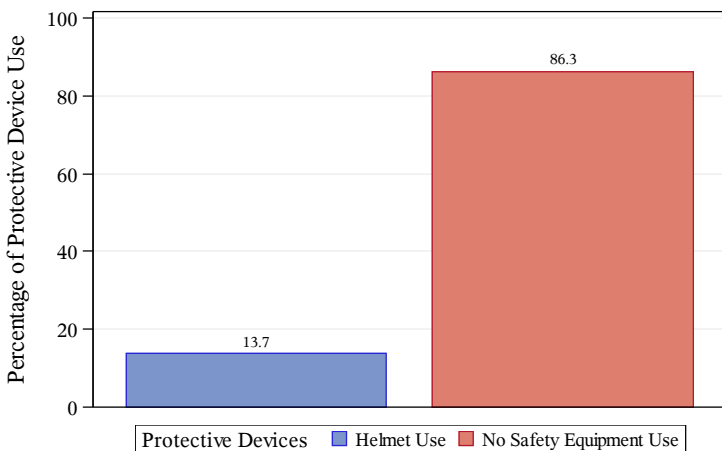
Automobile

January 2016 to December 2016



Bicyclist

January 2016 to December 2016



Pedestrian

January 2016 to December 2016

