

On November 4th, Camry Hess (Trauma Registry Data Analyst) and Ramzi Nimry (Trauma System PI Manager) represented the Division of Trauma and Injury Prevention at Eskenazi Health's 23rd Annual Trauma and Surgical Critical Care Symposium where they received the Jay L. Grosfeld Trauma Recognition Award on behalf of the division.

On November 15th, Ramzi Nimry (Trauma System PI Manager) and Camry Hess (Trauma Registry Data Analyst) attended the Performance Improvement (PI) subcommittee meeting at ISDH.

On November 16th, Ramzi Nimry (Trauma System PI Manager) attended District 1's first annual district symposium at Valparaiso University in Valparaiso, IN.

On November 16th, Ramzi Nimry (Trauma System PI Manager) attended the Pediatric Emergency Care Coordinator (PECC) Committee via phone conference line.

On November 17th, Ramzi Nimry (Trauma System PI Manager) attended District 6's regional trauma development meeting at IU Health Ball Memorial hospital in Muncie, IN.

On November 18th, Ramzi Nimry (Trauma System PI Manager) and Camry Hess (Trauma Registry Data Analyst) attended the Indiana Injury Prevention Advisory Council (IPAC) meeting at ISDH.

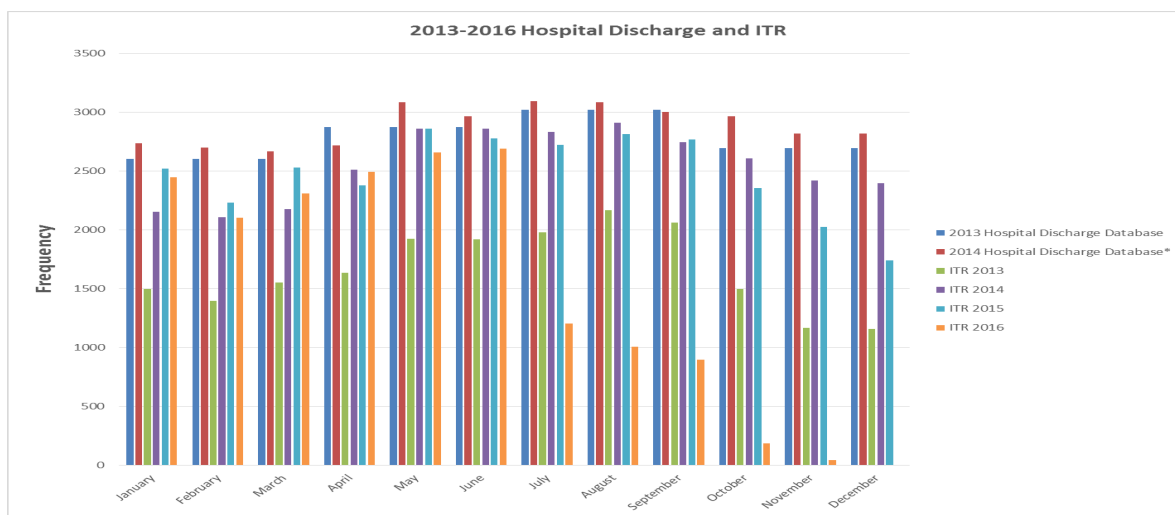
On November 18th, Camry Hess (Trauma Registry Data Analyst) attended the Indiana Violent Death Reporting System (INVDRS) Advisory Board meeting at ISDH.

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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

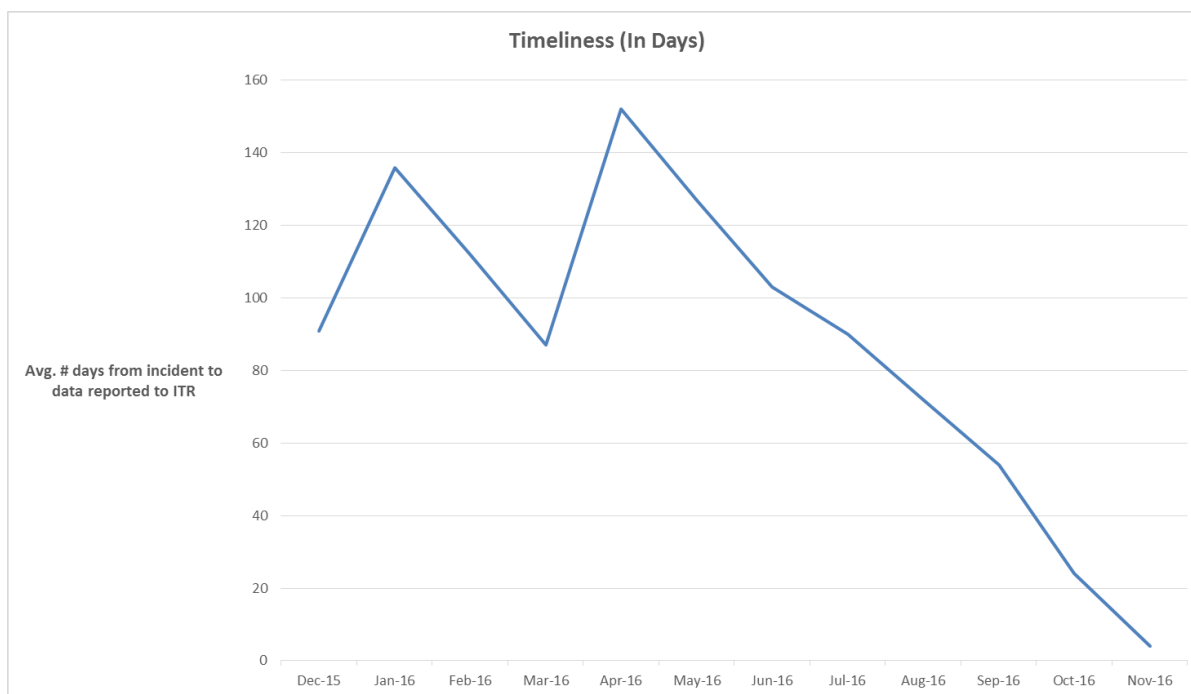
The Hospital Discharge database, also maintained by the ISDH, contains all records of patients cared for in Indiana hospitals. We compared patient records from the ITR with the Hospital Discharge database to know how complete is the ITR's data.



## Timeliness

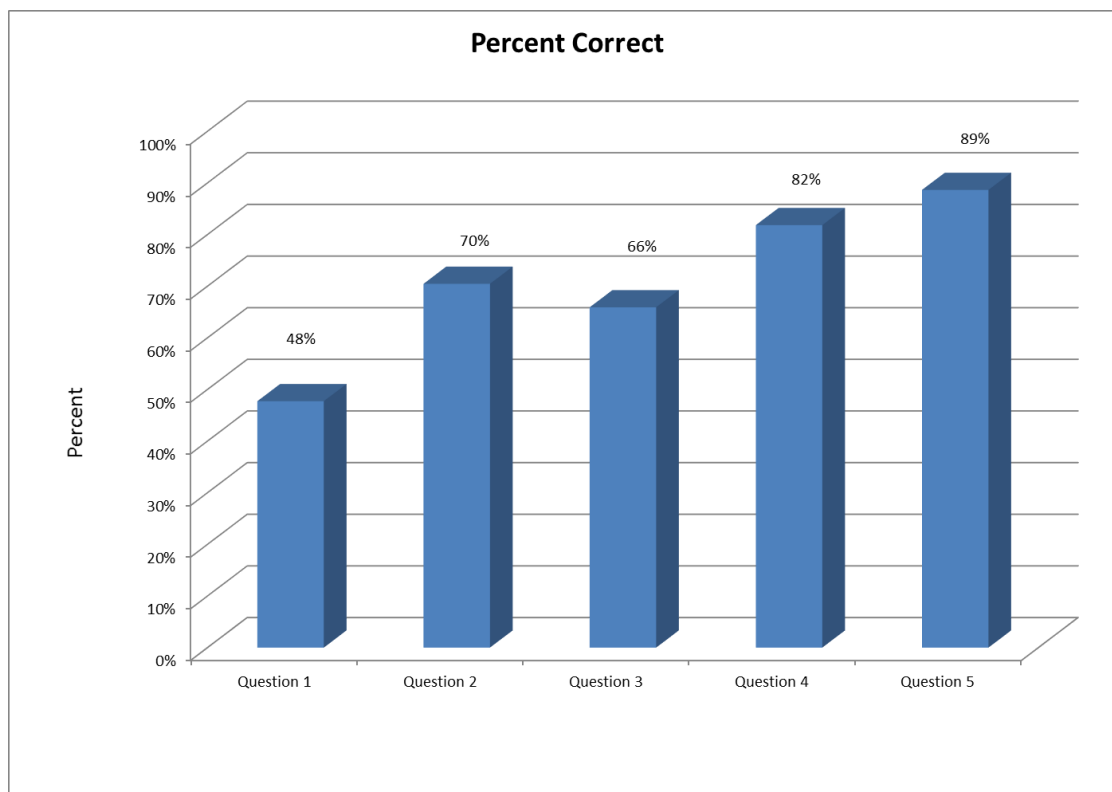
Timeliness increases as facilities wait until the data submission deadline to submit data to the ITR. Hospitals are asked to report data on the national trauma (TQIP) reporting schedule.

The decrease in timeliness from July 2016 until November 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 November we sent out the thirty-first monthly quiz for the inter-rater reliability study. Forty-four registrars completed the quiz from 27 hospitals. The percent of correct answers was 71% for the entire quiz and the average free-marginal Kappa (measure of consistency) 0.34. 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

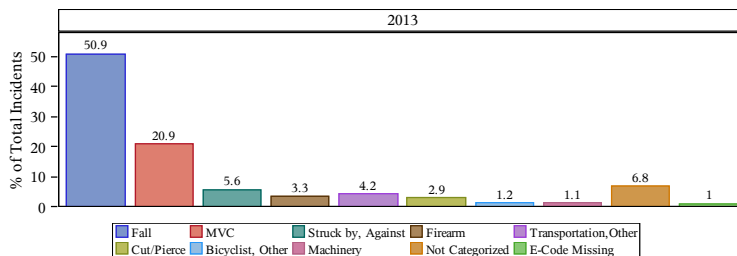
The number of linked EMS to trauma cases was 2,101 for Q2 2016 data. Trauma data is due on a quarterly basis.

## Accessibility

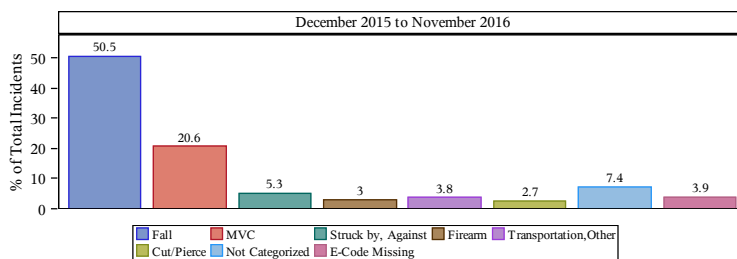
The average time to complete data requests was 3 days for aggregate requests (1 total) and 4 days for identifiable requests (1 total). There were no self-report requests during November.

**Cause of Injury (COI)**

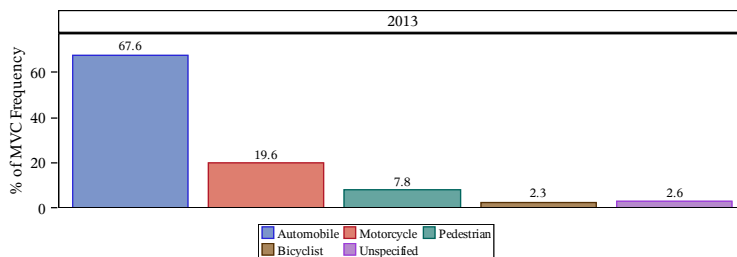
Cause of Injury (COI)



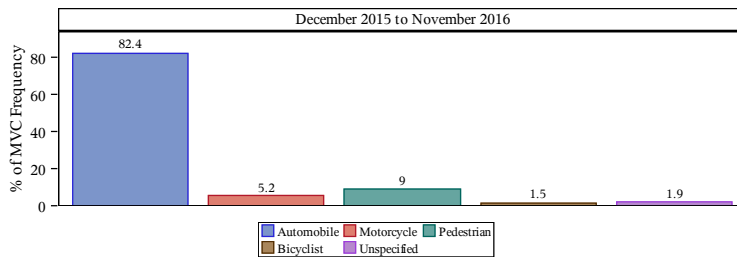
<1% of COI: Pedestrian (Other), Natural/Environmental, Overexertion, Fire/Burn, and Bites/Stings  
 Cause of Injury (COI)



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

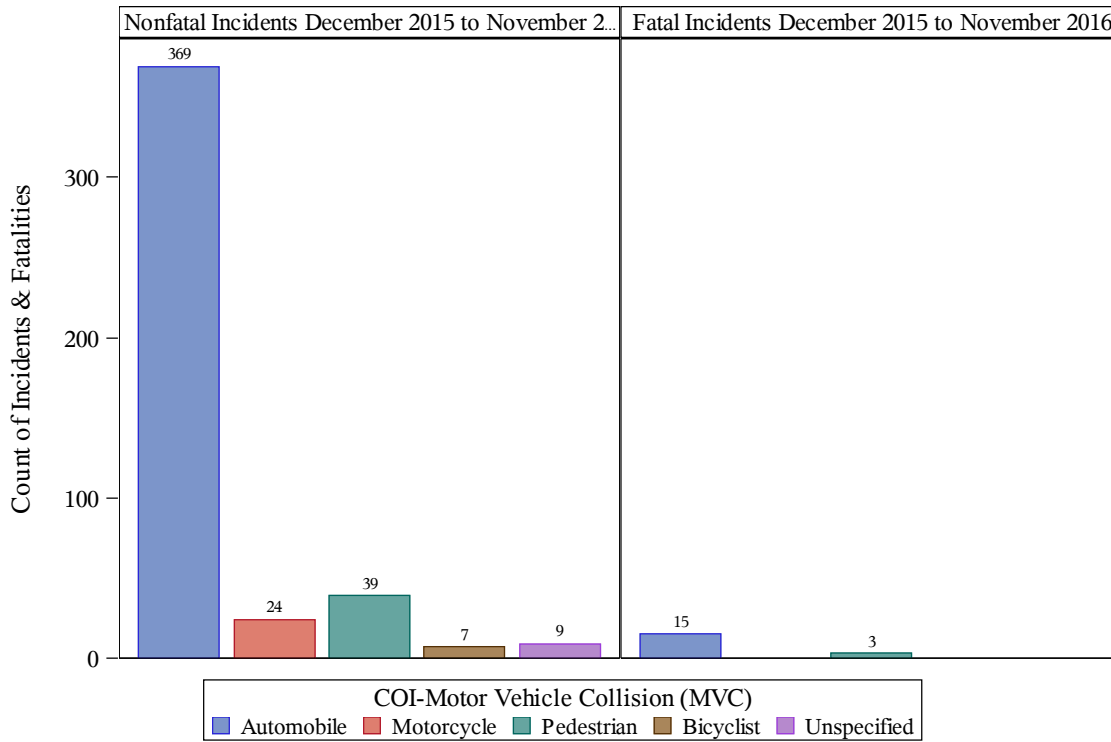
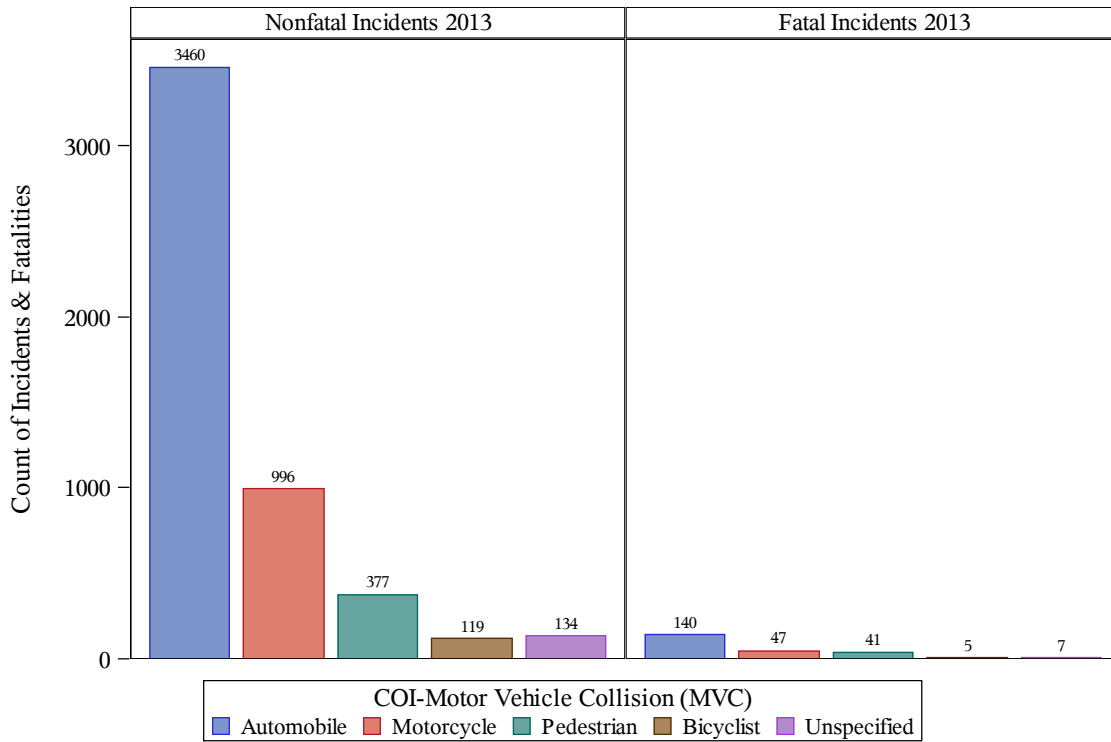


**COI-Motor Vehicle Collision (MVC)**

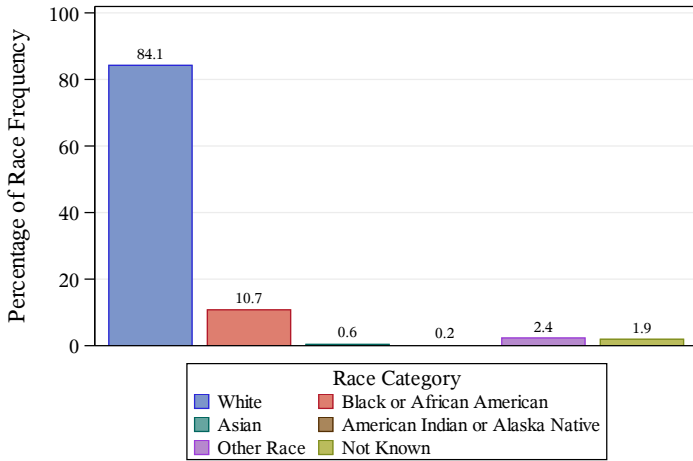


**Motor Vehicle Collision**

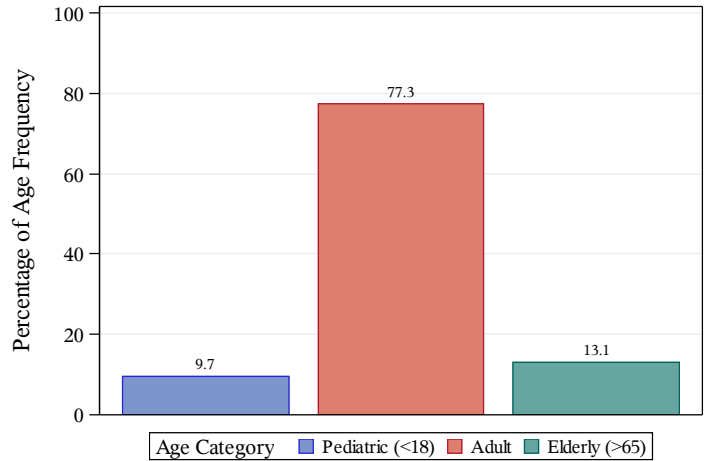
**COI-MVC Nonfatal Incidents and Fatal Incidents**



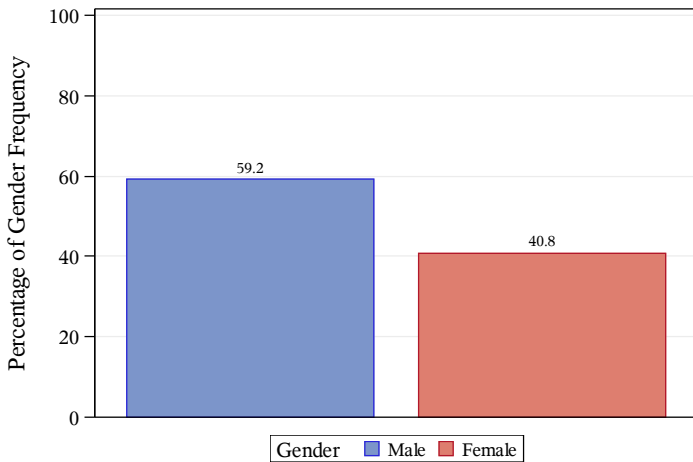
**Race**



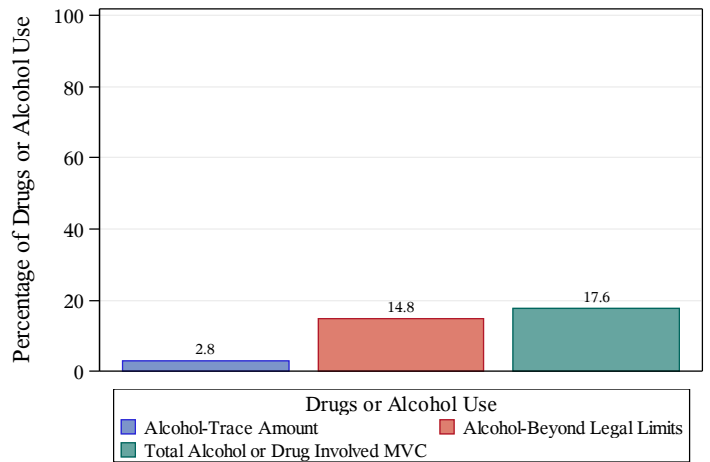
**Age**



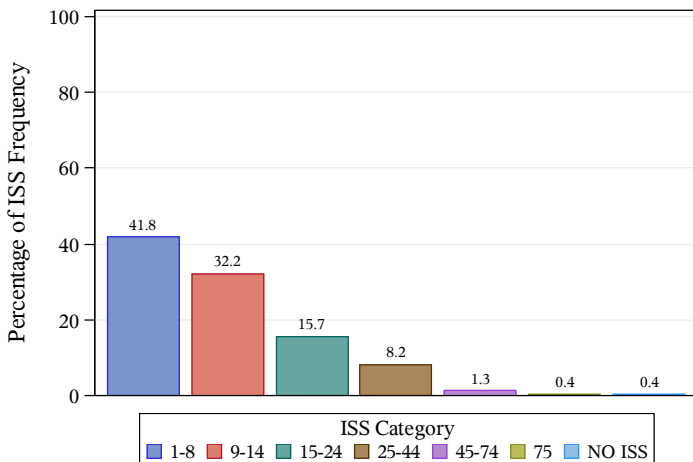
**Gender**



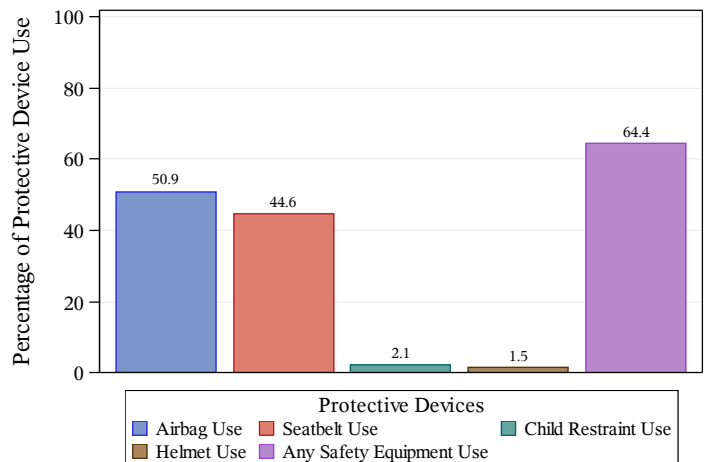
**Drug & Alcohol Use**



**Injury Severity Score**



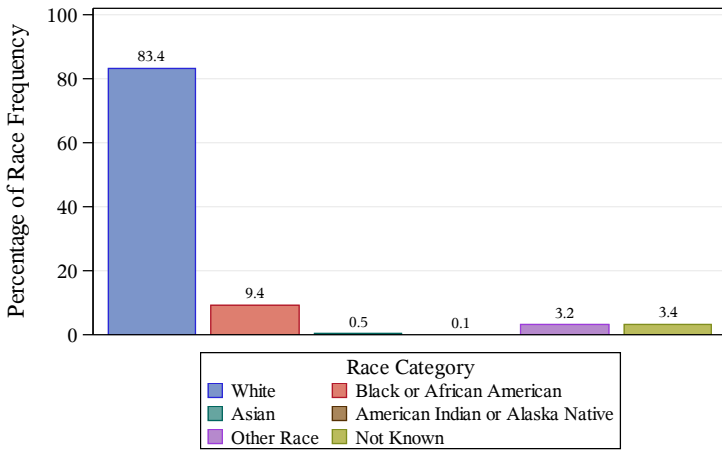
**Protective Devices**



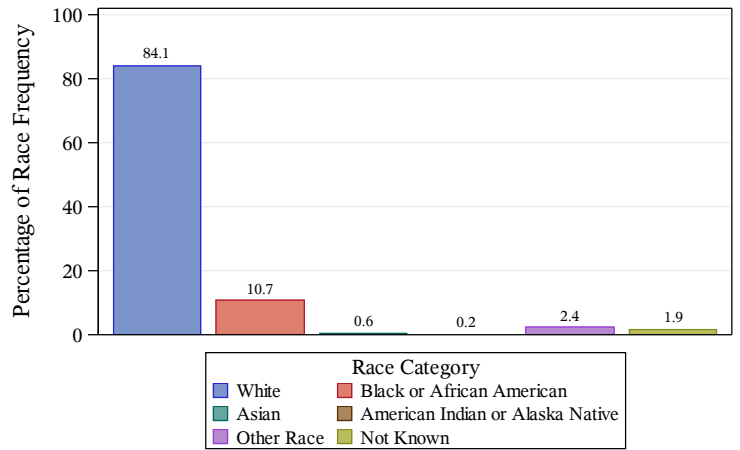
Injury Severity Score (ISS) is a measure of how bad the injury is. Scores over 15 are considered major trauma. A score of 75 is considered not survivable.

Race- Motor Vehicle Collision

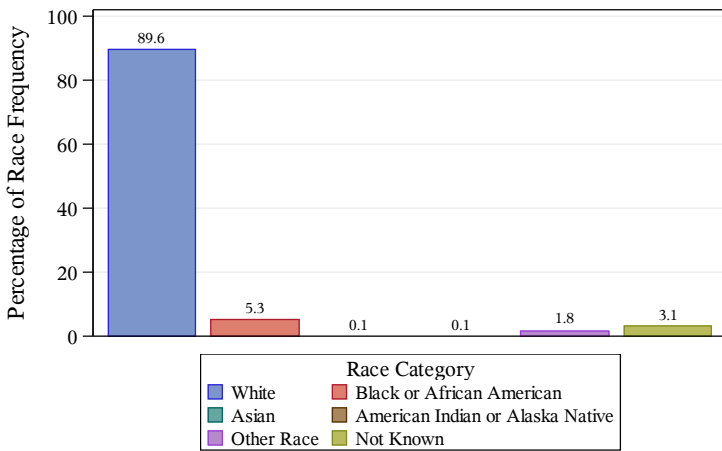
2013



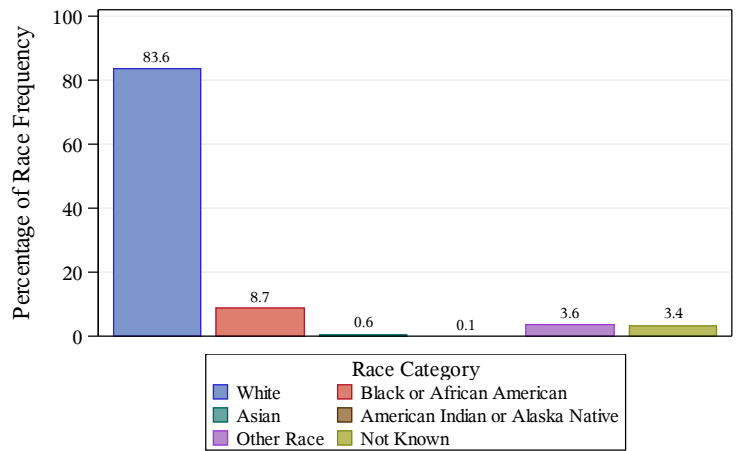
December 2015 to November 2016



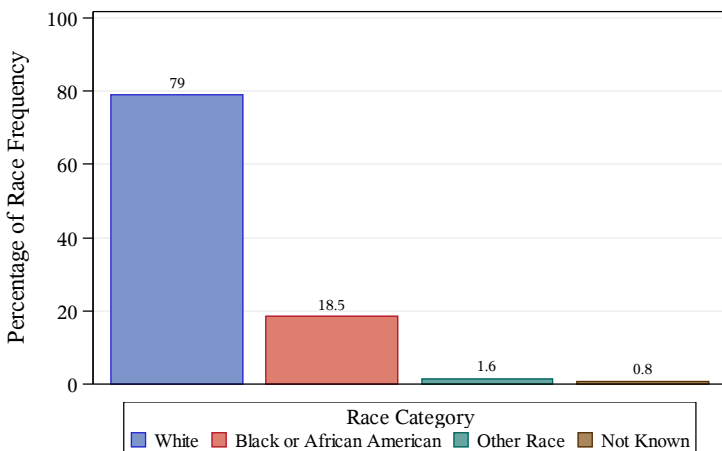
Motorcycle  
December 2015 to November 2016



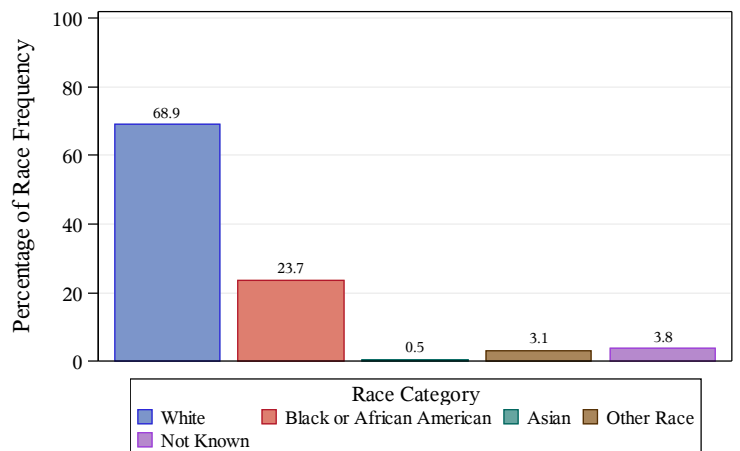
Automobile  
December 2015 to November 2016



Bicyclist  
December 2015 to November 2016

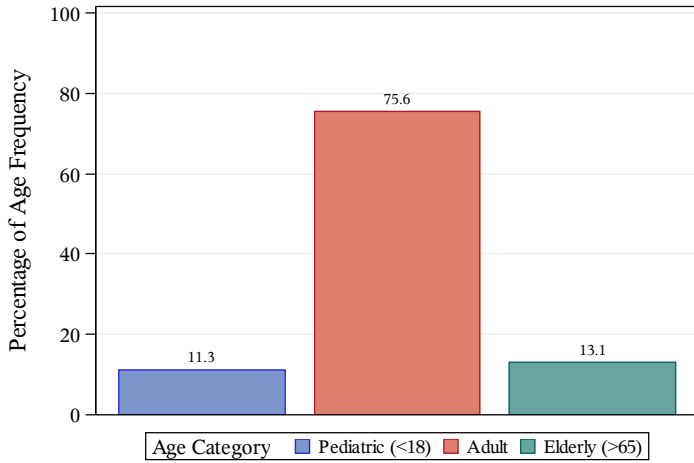


Pedestrian  
December 2015 to November 2016

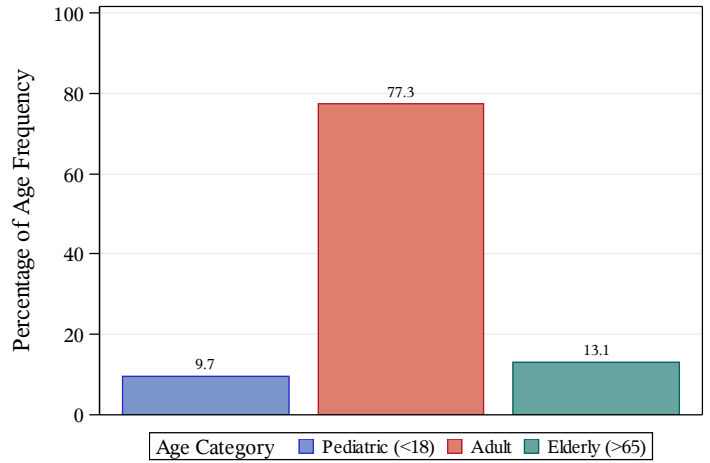


Age- Motor Vehicle Collision

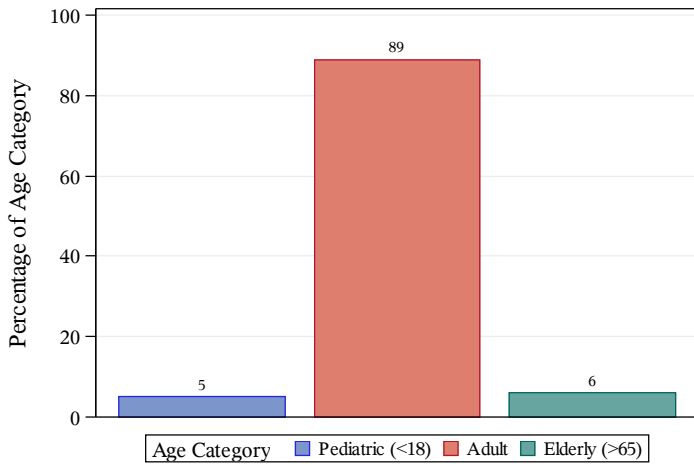
2013



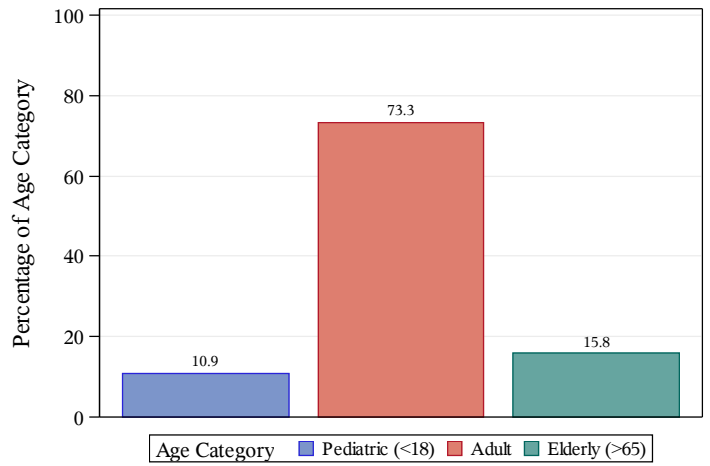
December 2015 to November 2016



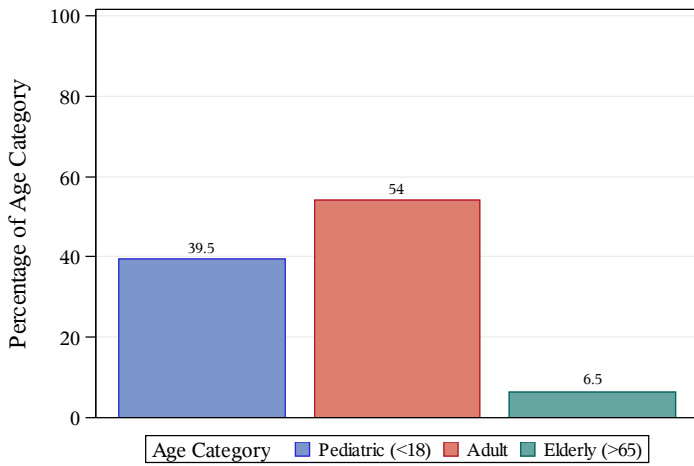
Motorcycle  
December 2015 to November 2016



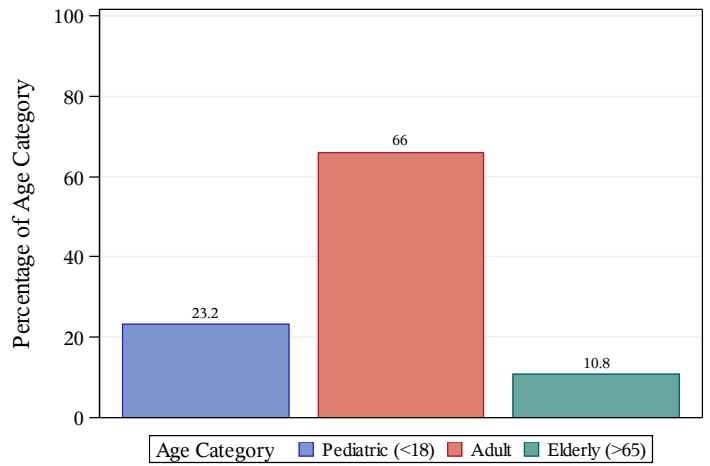
Automobile  
December 2015 to November 2016



Bicyclist  
December 2015 to November 2016



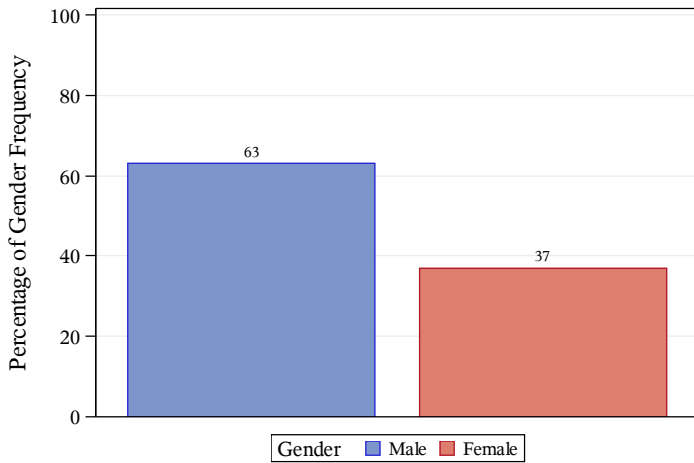
Pedestrian  
December 2015 to November 2016



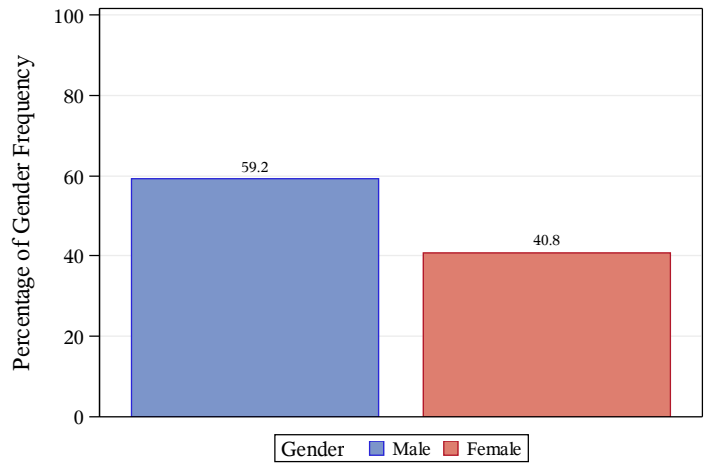


Gender- Motor Vehicle Collision

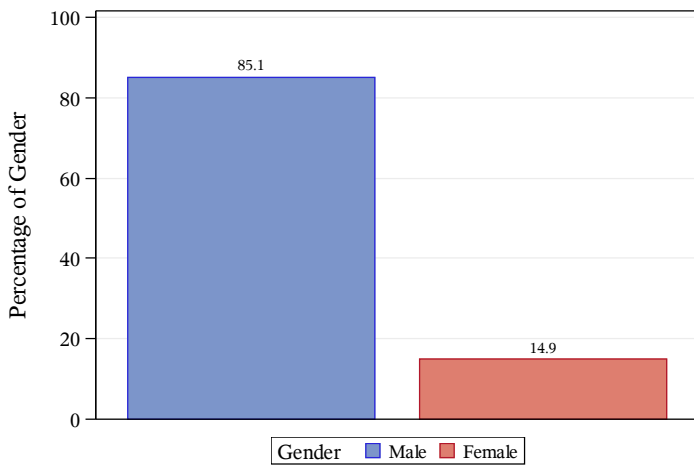
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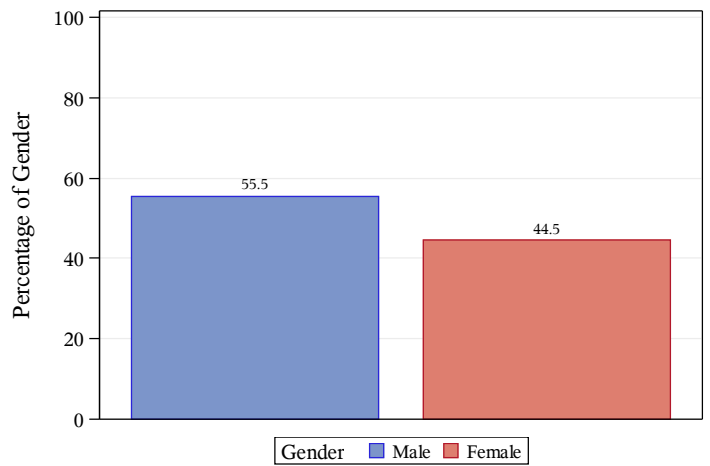
December 2015 to November 2016



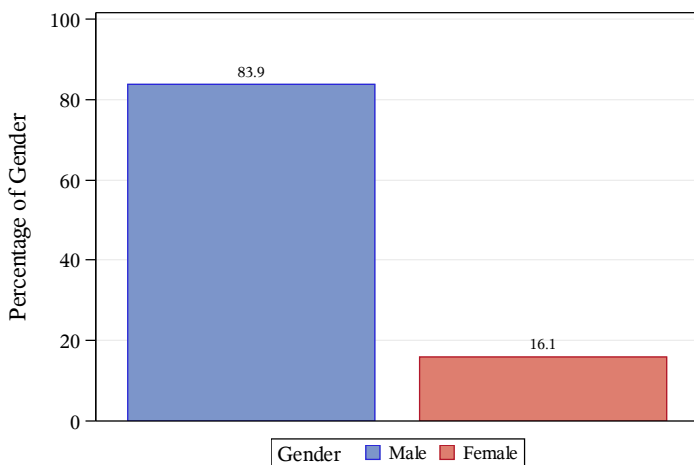
Motorcycle  
December 2015 to November 2016



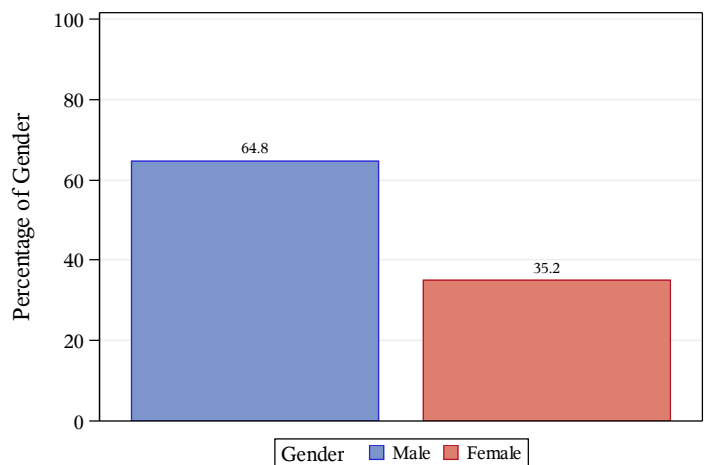
Automobile  
December 2015 to November 2016



Bicyclist  
December 2015 to November 2016



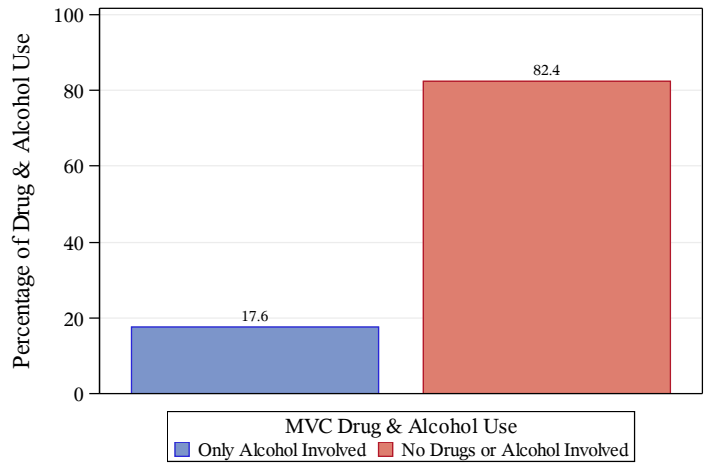
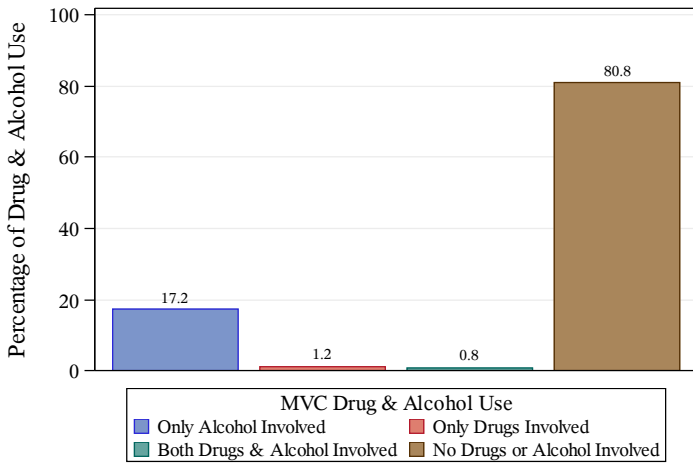
Pedestrian  
December 2015 to November 2016



Drug & Alcohol Use- Motor Vehicle Collision

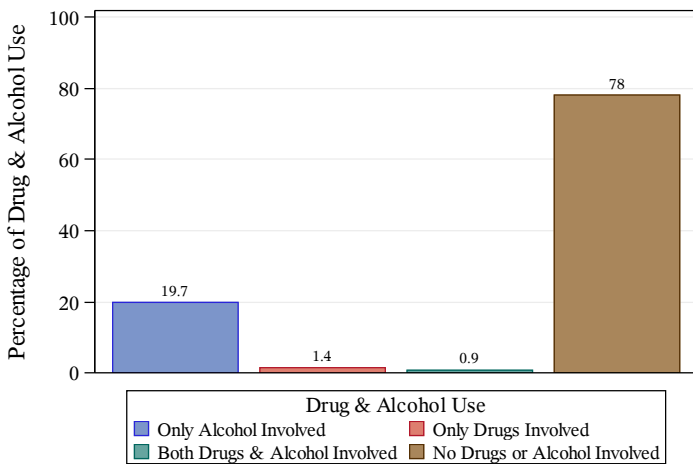
2013

December 2015 to November 2016



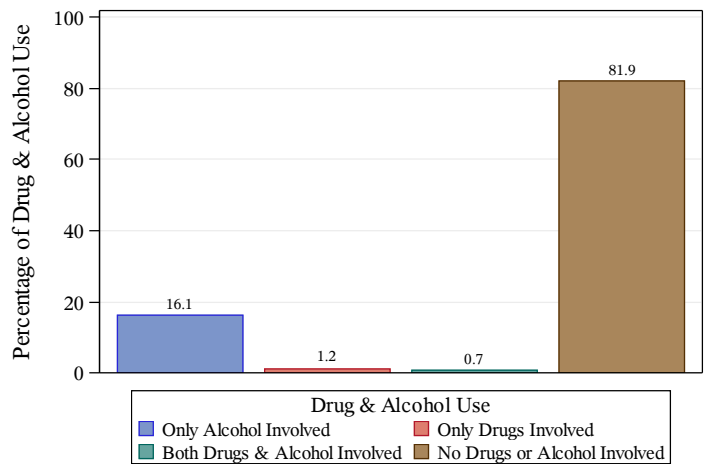
Motorcycle

December 2015 to November 2016



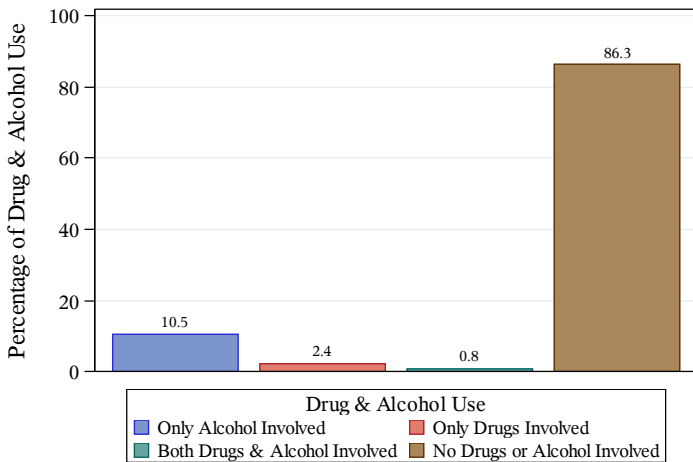
Automobile

December 2015 to November 2016



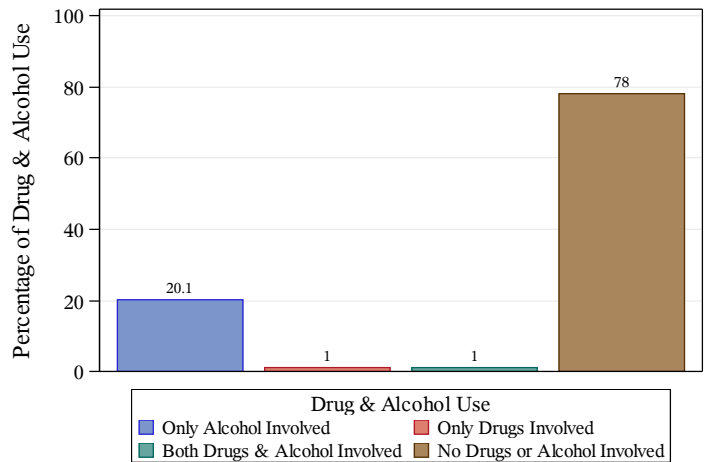
Bicyclist

December 2015 to November 2016



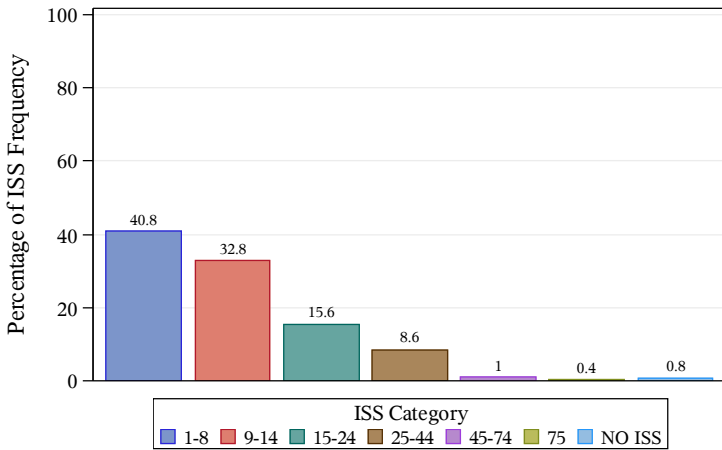
Pedestrian

December 2015 to November 2016

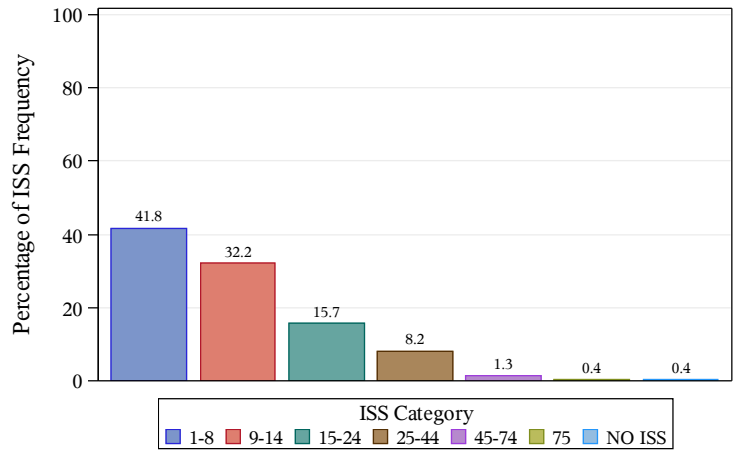


Injury Severity Score- Motor Vehicle Collision

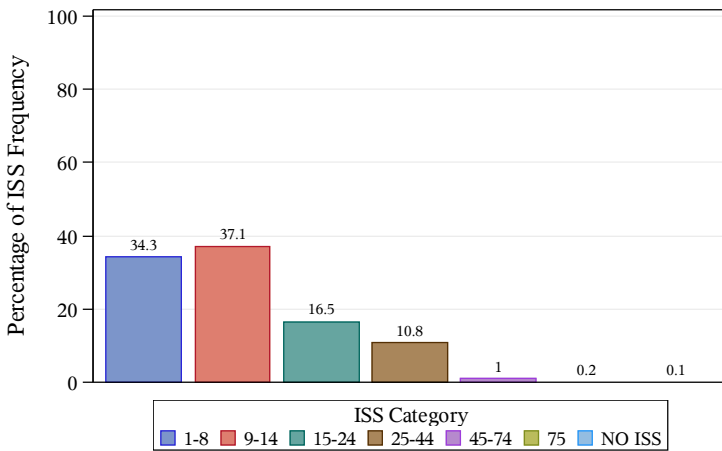
2013



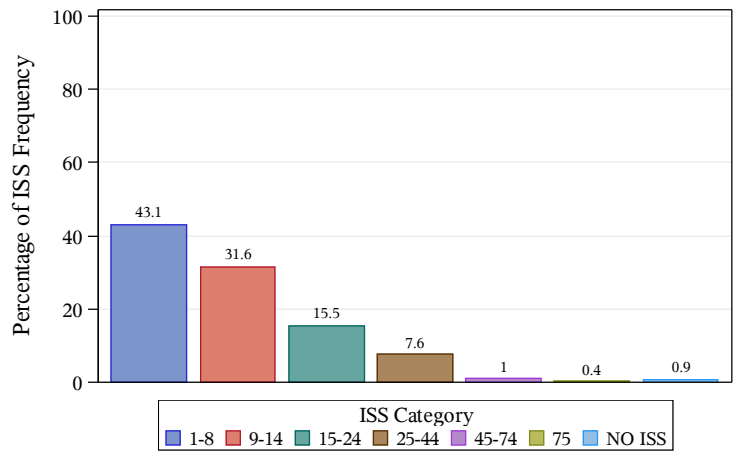
December 2015 to November 2016



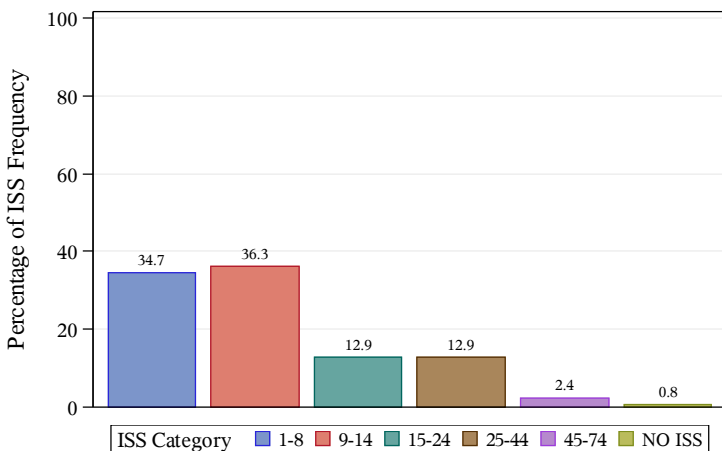
Motorcycle  
December 2015 to November 2016



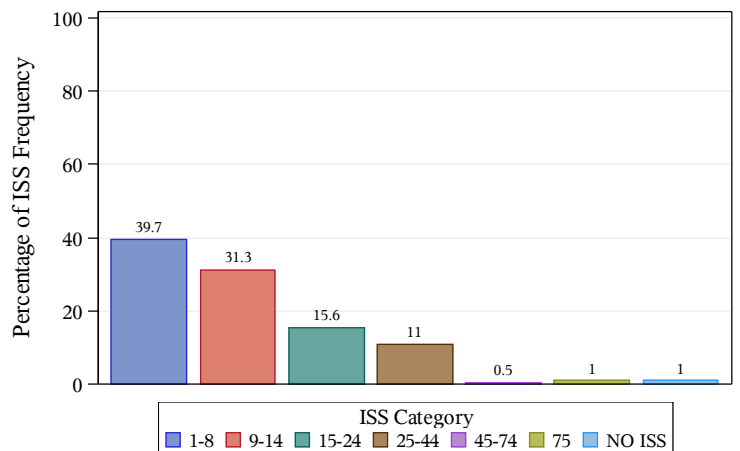
Automobile  
December 2015 to November 2016



Bicyclist  
December 2015 to November 2016

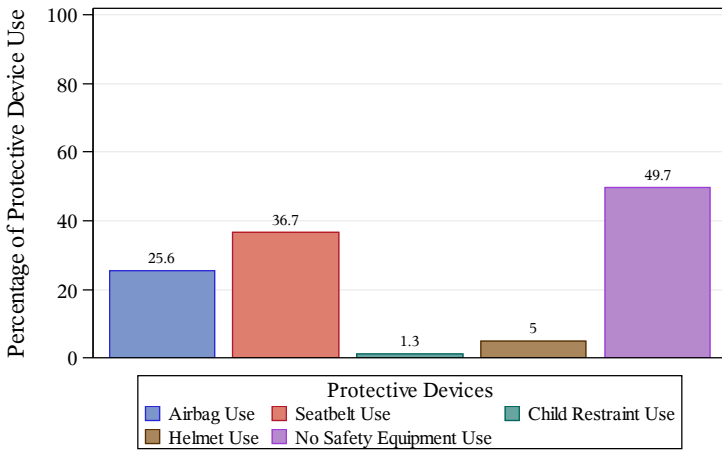


Pedestrian  
December 2015 to November 2016

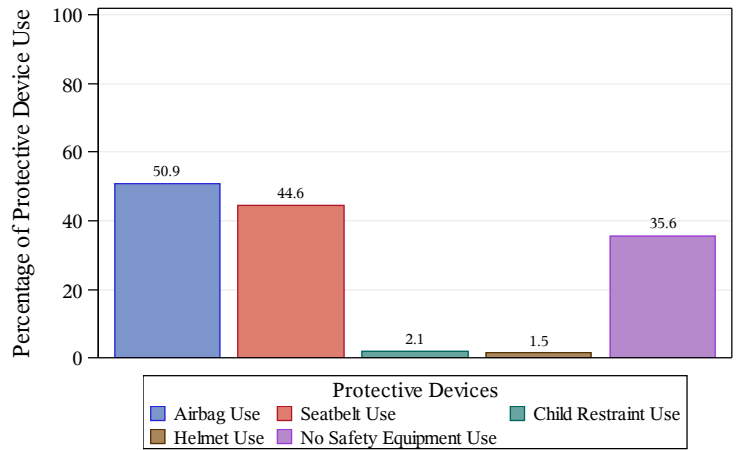


Protective Devices- Motor Vehicle Collision

2013

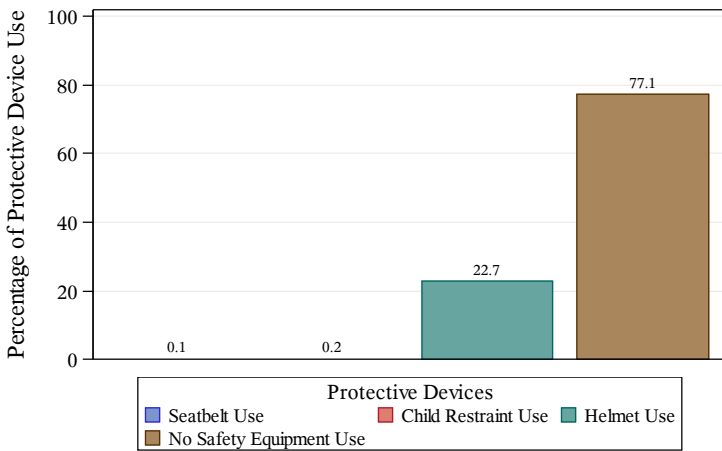


December 2015 to November 2016



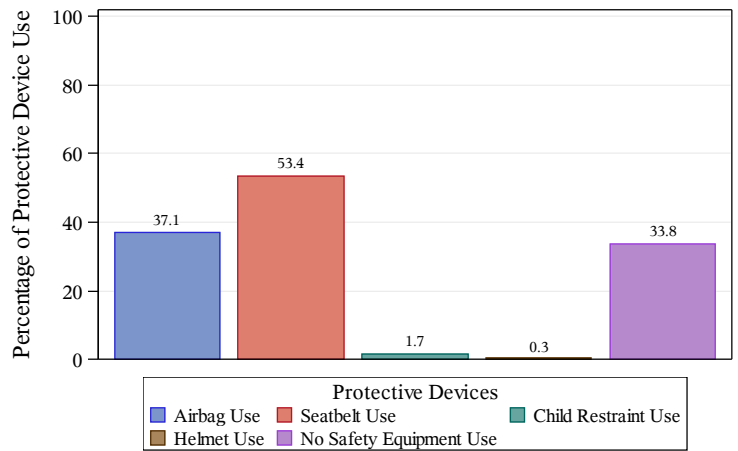
Motorcycle

December 2015 to November 2016



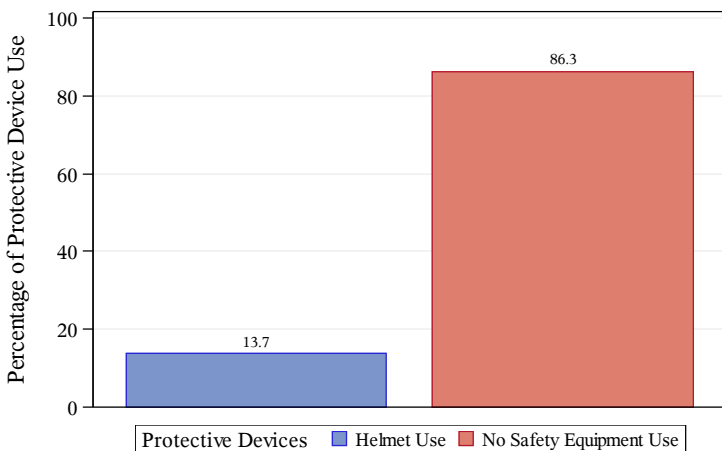
Automobile

December 2015 to November 2016



Bicyclist

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Pedestrian

December 2015 to November 2016

