

On November 10th, Camry Hess (Database Analyst Epidemiologist), Katie Hokanson (Director, Division of Trauma and Injury Prevention) and Ramzi Nimry (Trauma System PI Manager) attended the PI Subcommittee meeting in Indianapolis at ISDH.

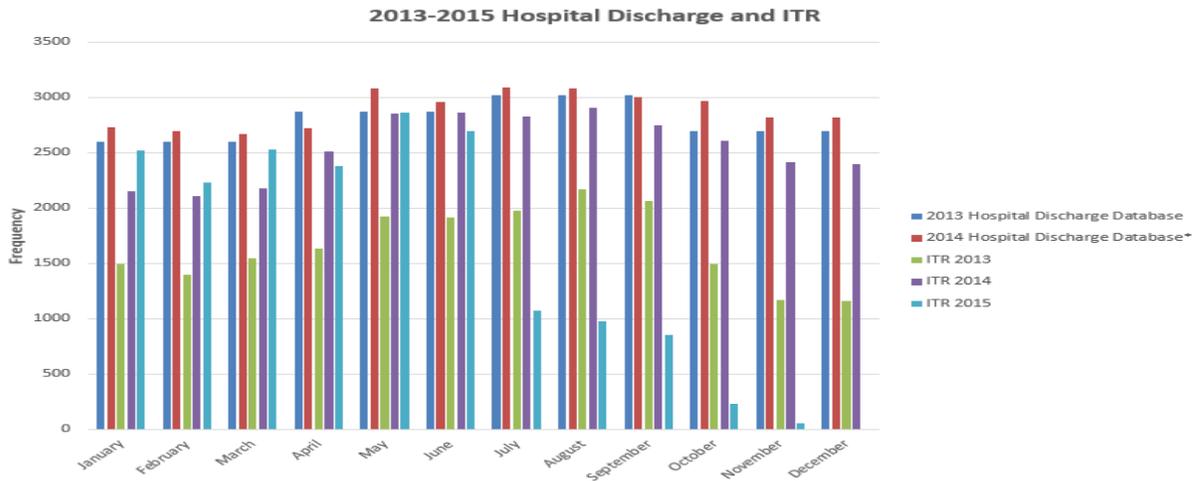
On November 17th, Katie Hokanson (Director, Division of Trauma and Injury Prevention) and Ramzi Nimry (Trauma System PI Manager) conducted an initial regional trauma development meeting with Public Health Preparedness District 6 in Indianapolis.

On November 24th, Katie Hokanson (Director, Division of Trauma and Injury Prevention) and Ramzi Nimry (Trauma System PI Manager) conducted an initial regional trauma development meeting with Public Health Preparedness District 1 in Crown Point.

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

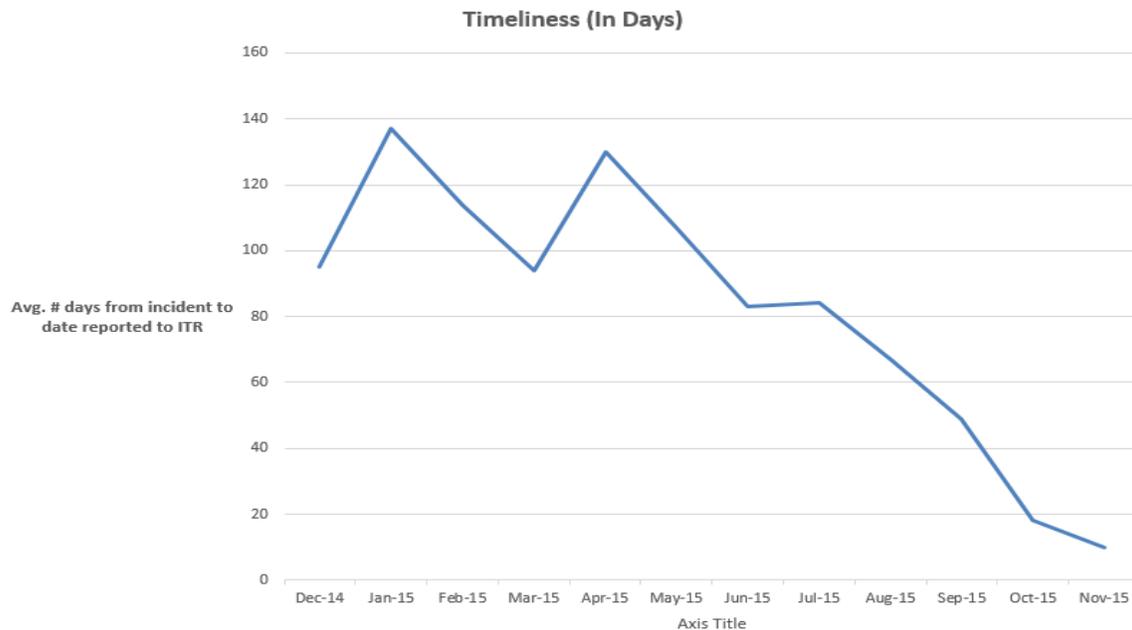
The Hospital Discharge database, also maintained by the ISDH, contains all records of patients cared for in Indiana hospitals. We compared patient records from the ITR with the Hospital Discharge database to know how complete is the ITR's data.



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.

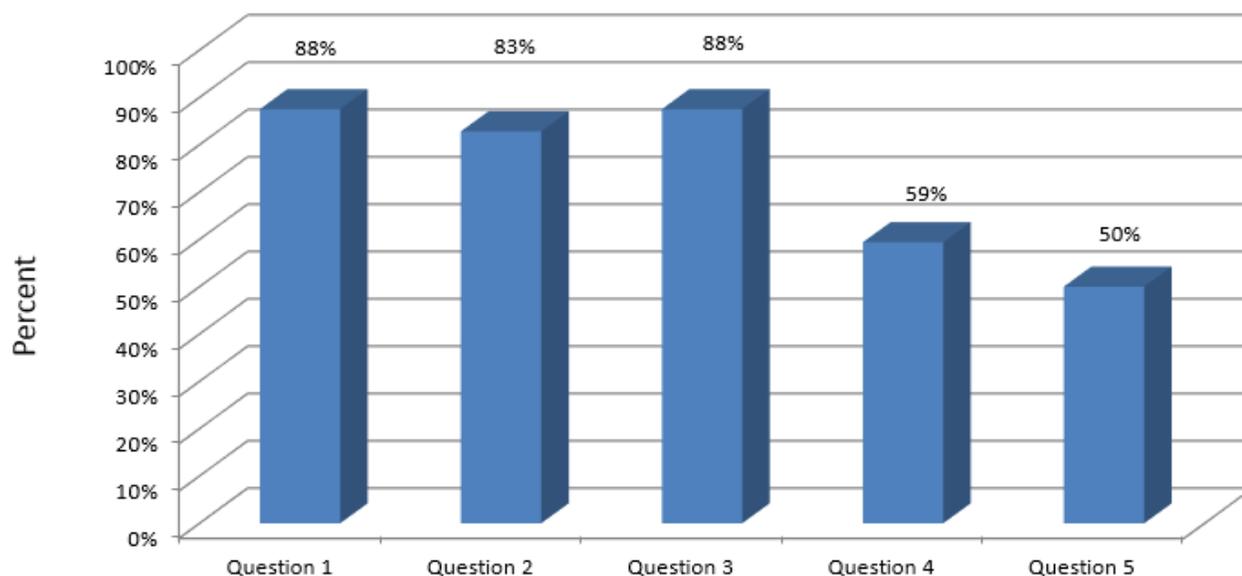
The decrease in timeliness from July 2015 until November 2015 is due to only timely reports being provided to the ITR during this time frame, typically from non-trauma hospitals and early reporting trauma centers.



Uniformity

In November we sent out the twenty-first monthly quiz for the inter-rater reliability study. Sixty-four registrars completed the quiz from 47 hospitals. The percent of correct answers was 73% for the entire quiz and the average free-marginal Kappa (measure of consistency) 0.37. 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.

Percent Correct



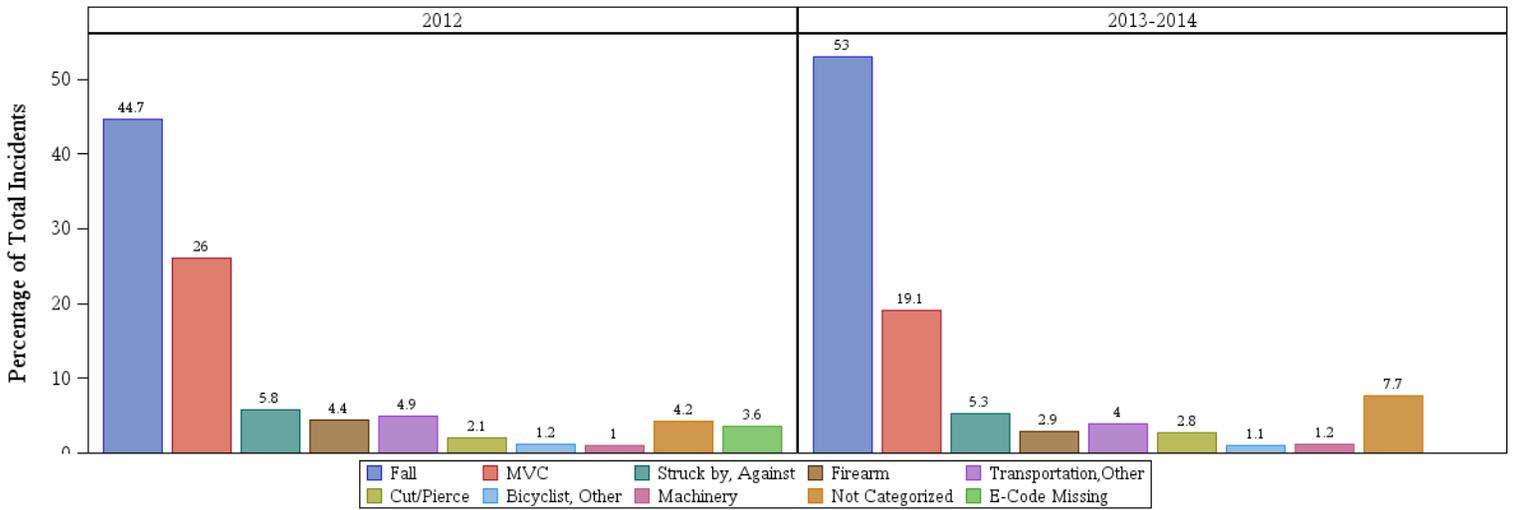
Integration

The number of linked EMS to trauma cases was 439 for Q1 2015 data. Trauma data is due on a quarterly basis.

Accessibility

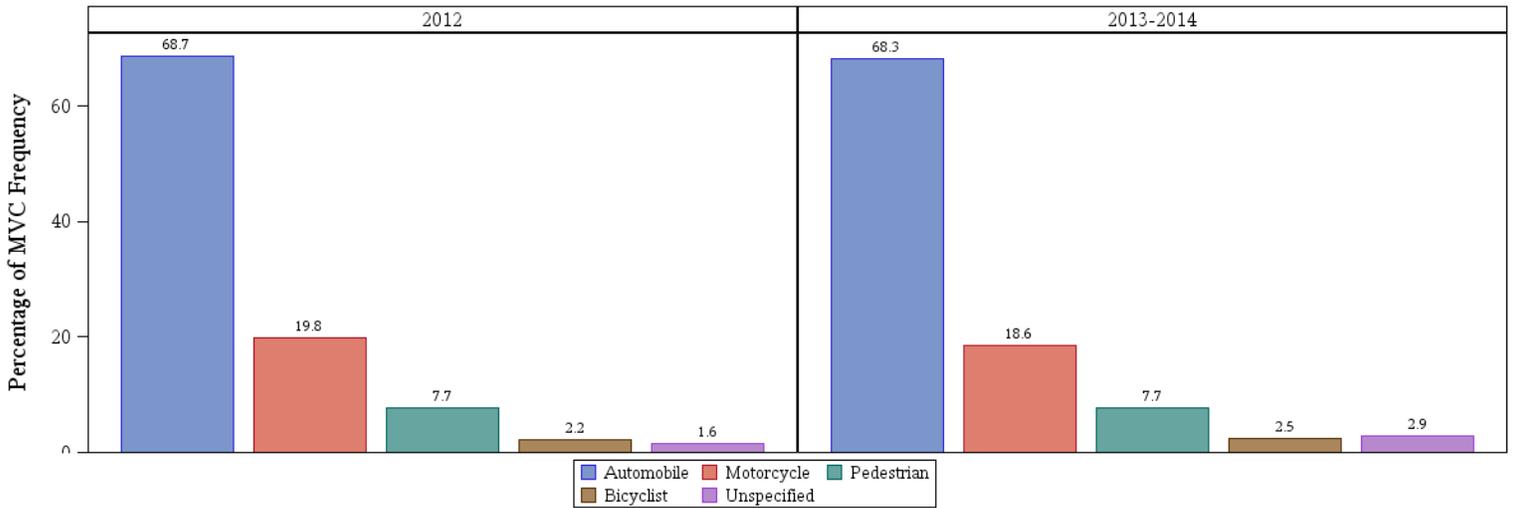
The average days to delivery for aggregate data was 4 days; there were no identifiable requests.

Cause of Injury (COI)

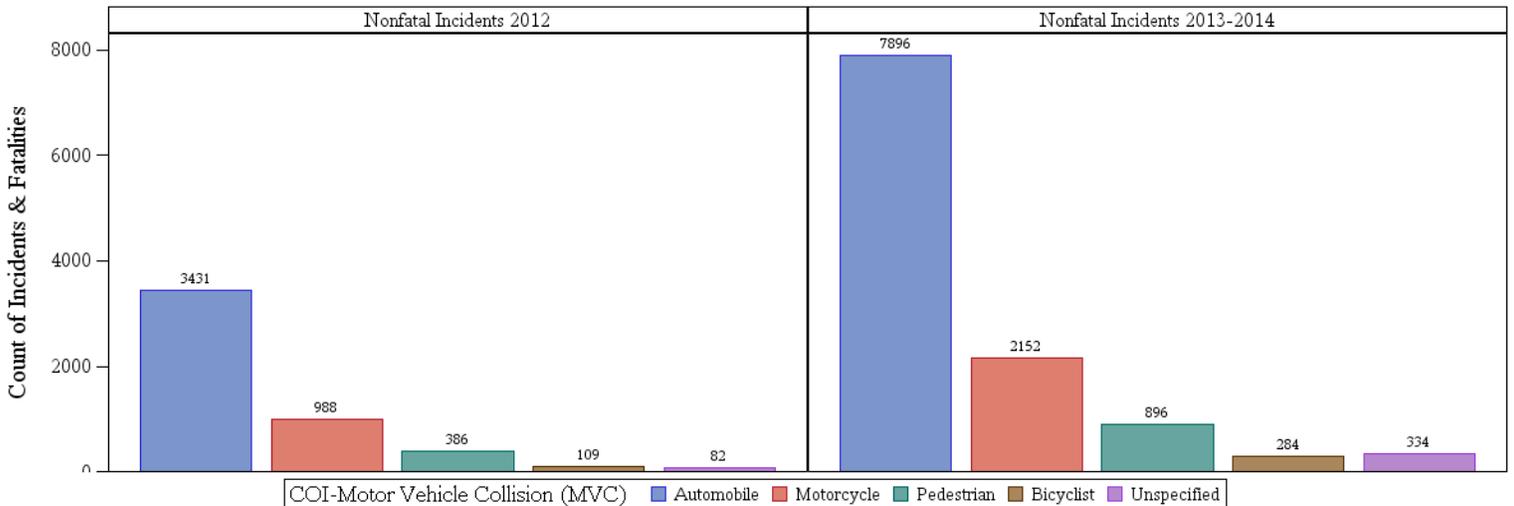


<1% of COI: Pedestrian (Other), Natural/Environmental, Overexertion, Fire/Burn, and Bites/Stings

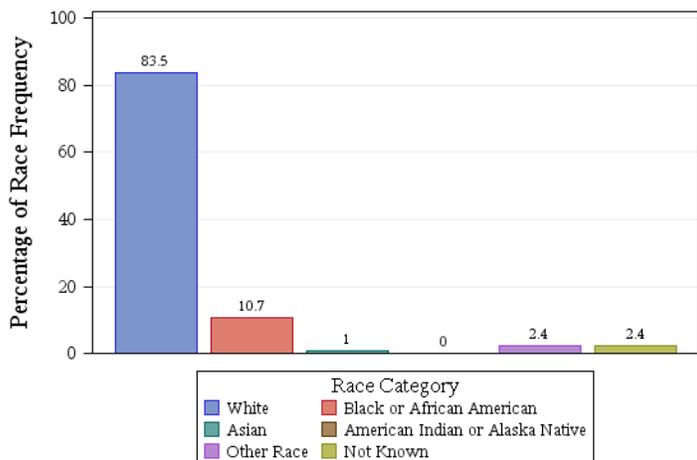
COI-Motor Vehicle Collision (MVC)



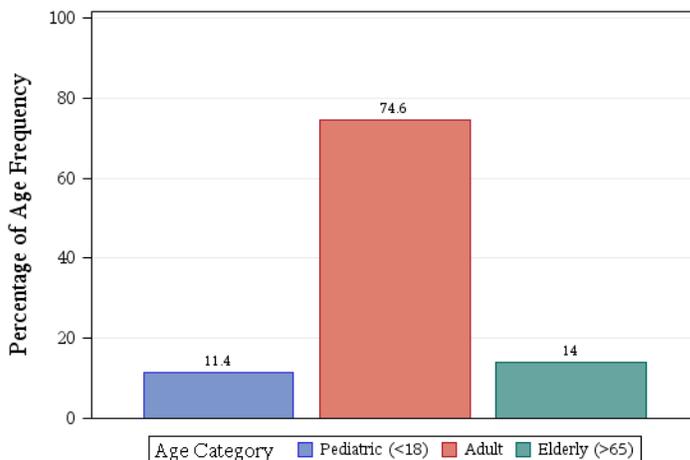
COI-MVC Nonfatal Incidents and Fatal Incidents



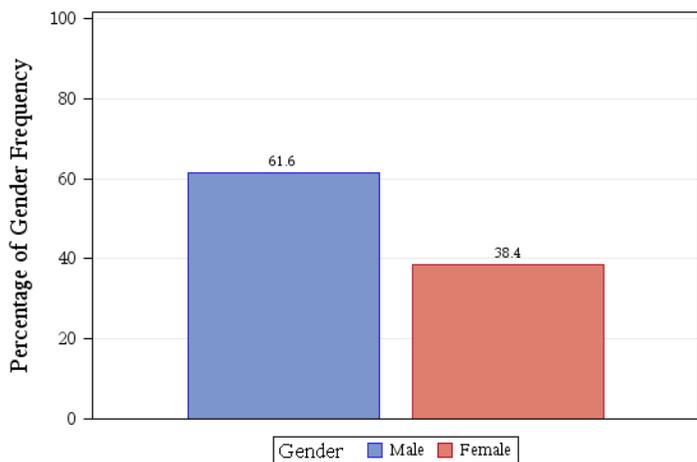
Race



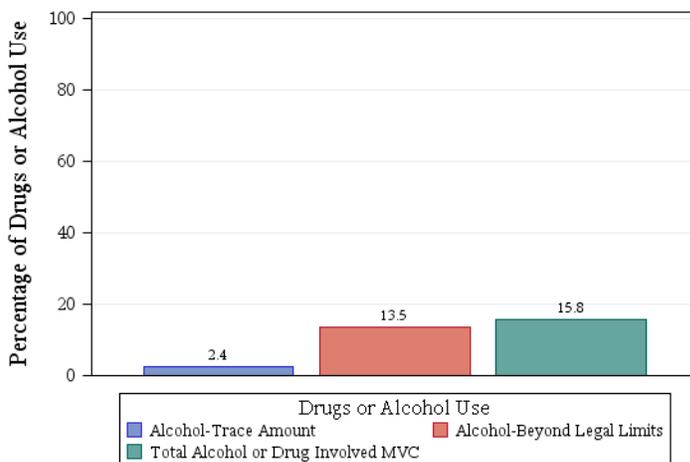
Age



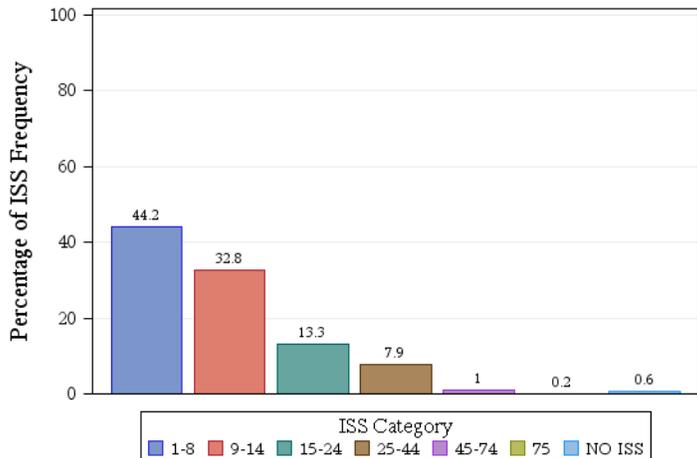
Gender



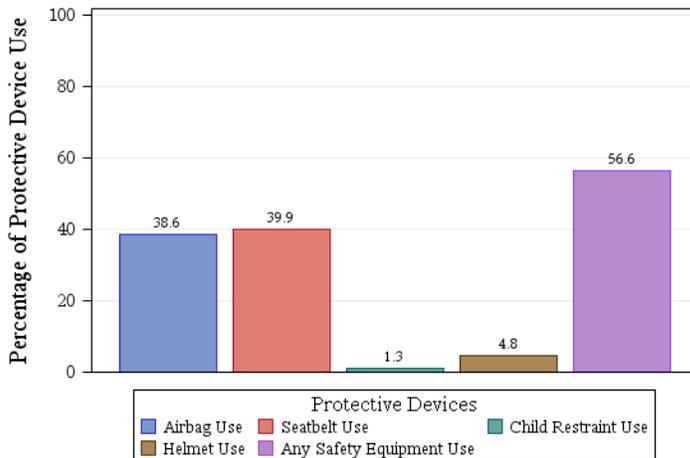
Drug & Alcohol Use



Injury Severity Score

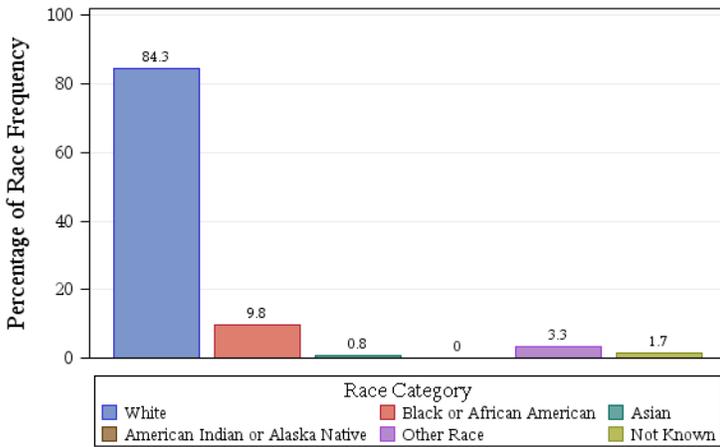


Protective Devices

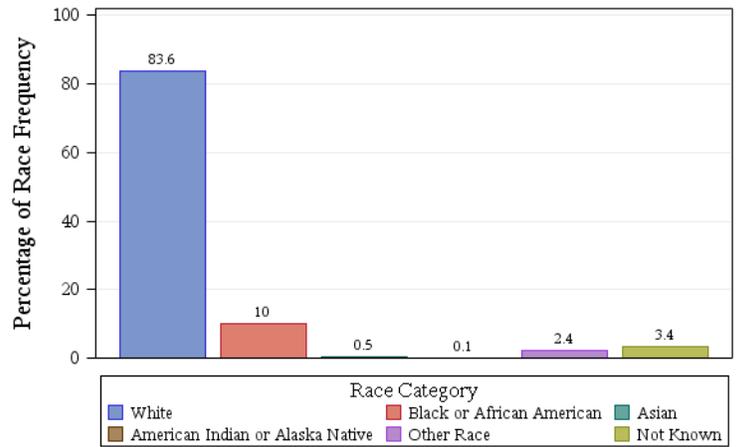


Injury Severity Score (ISS) is a measure of how bad the injury is. Scores over 15 are considered major trauma. A score of 75 is considered not survivable.

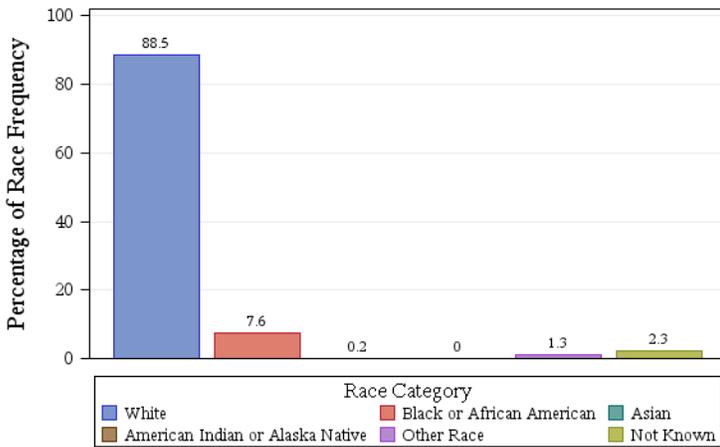
2012



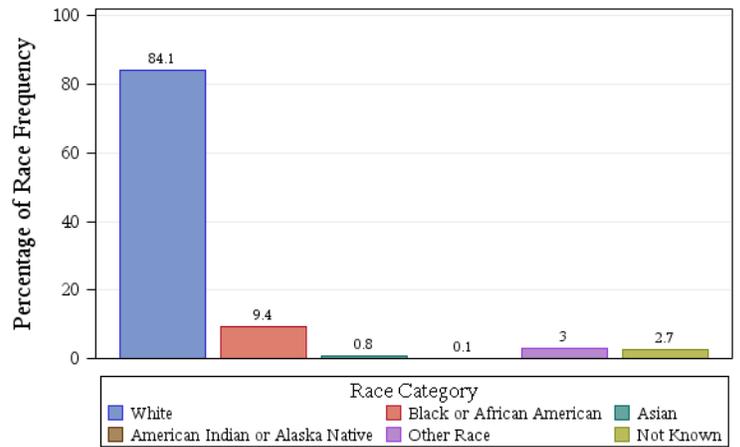
2013-2014



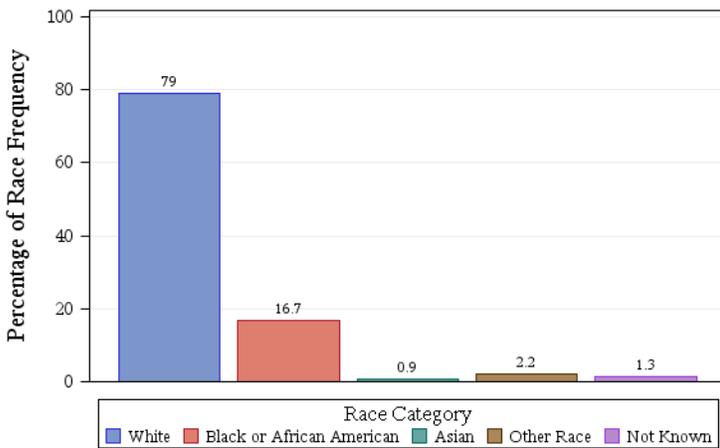
**Motorcycle
2012-2014**



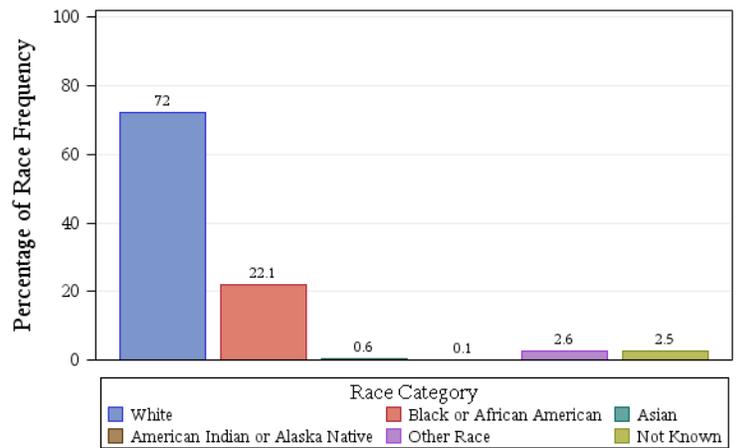
**Automobile
2012-2014**



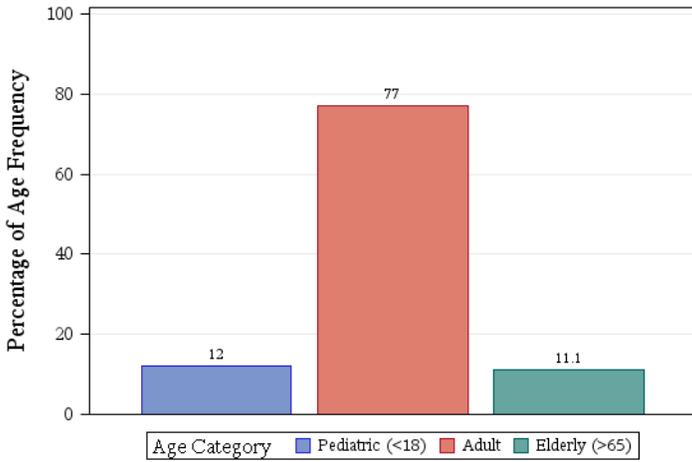
**Bicyclist
2012-2014**



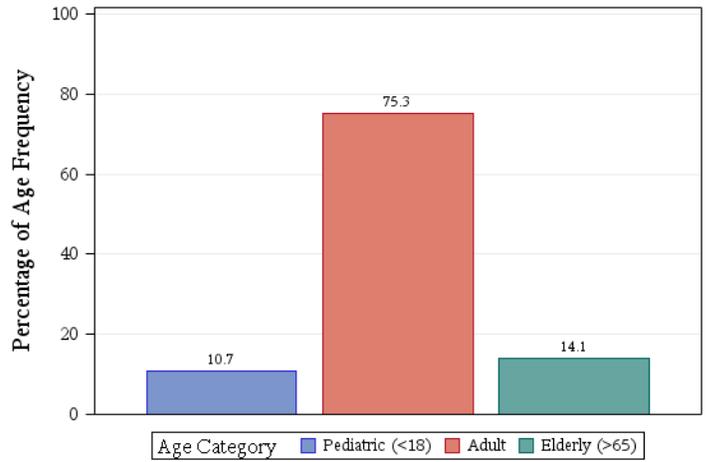
**Pedestrian
2012-2014**



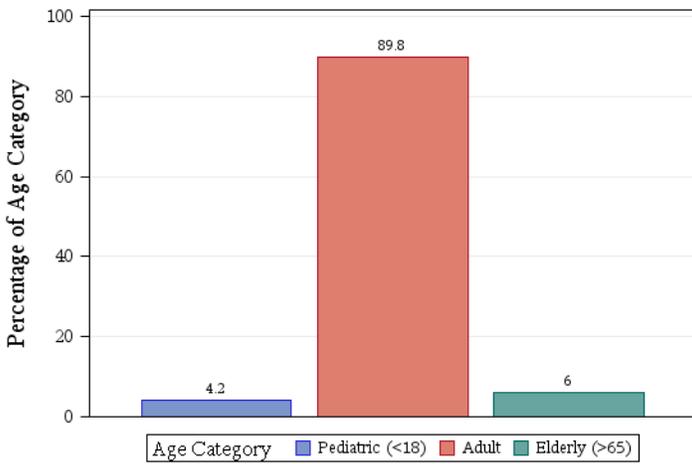
2012



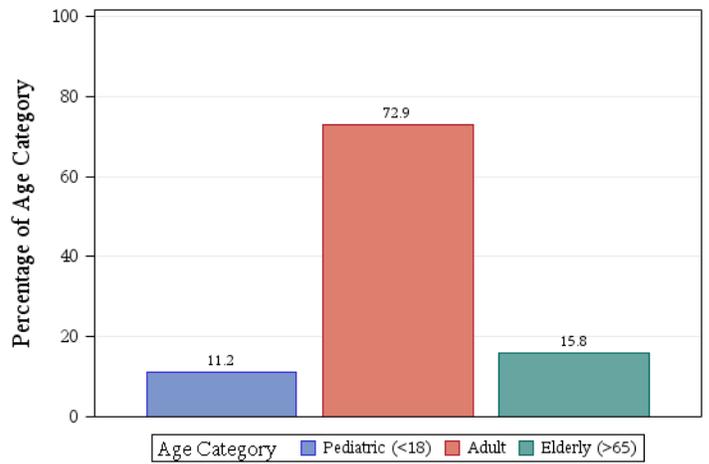
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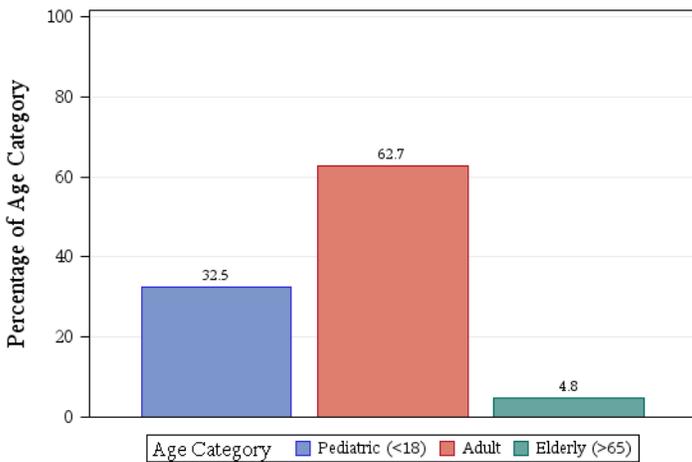
Motorcycle
2012-2014



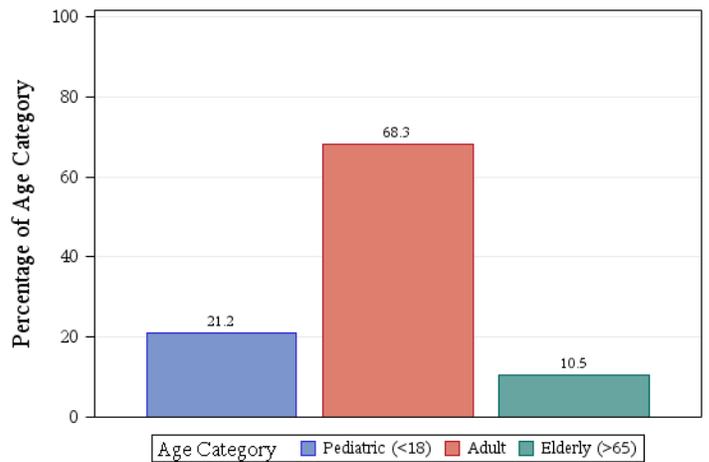
Automobile
2012-2014



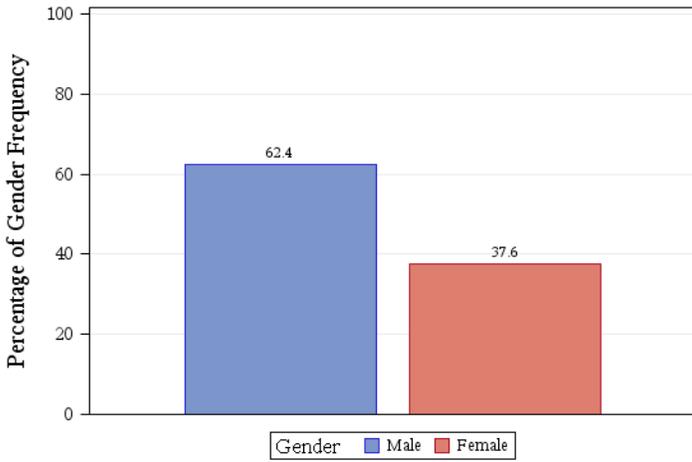
Bicyclist
2012-2014



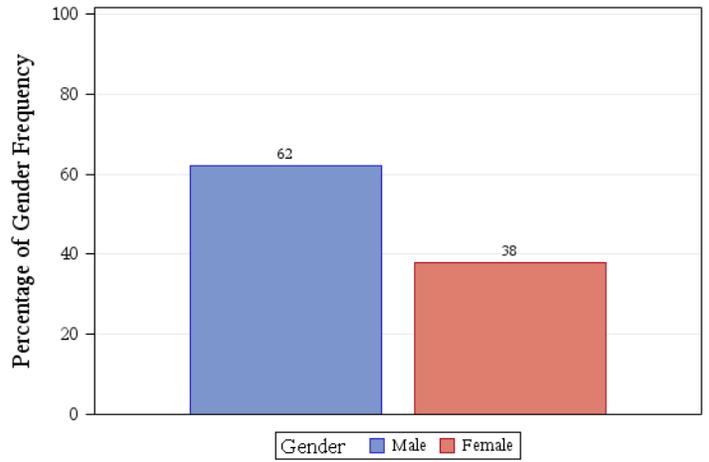
Pedestrian
2012-2014



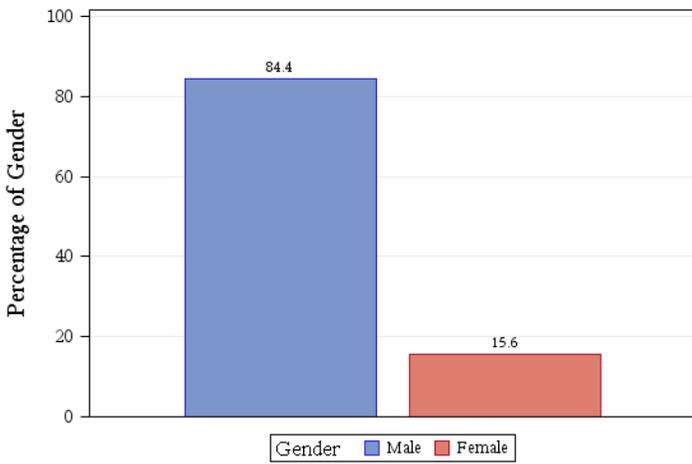
2012



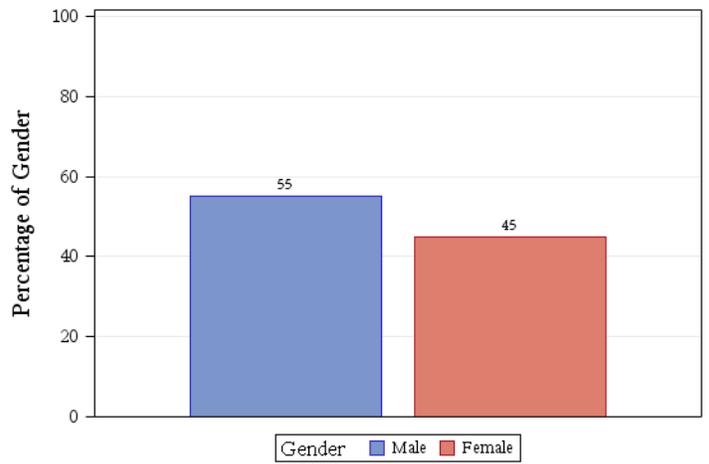
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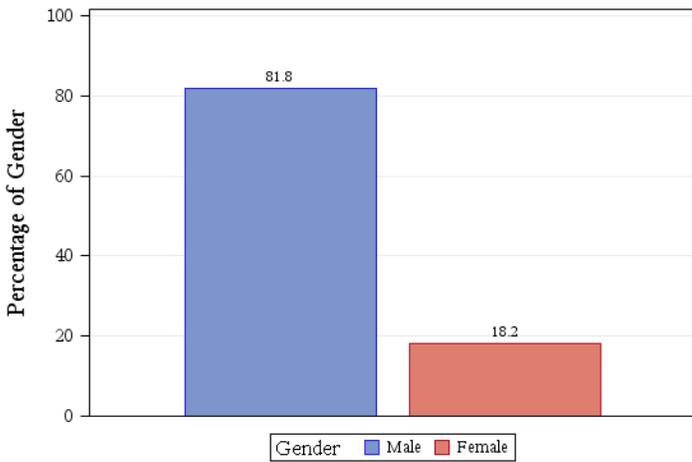
Motorcycle
2012-2014



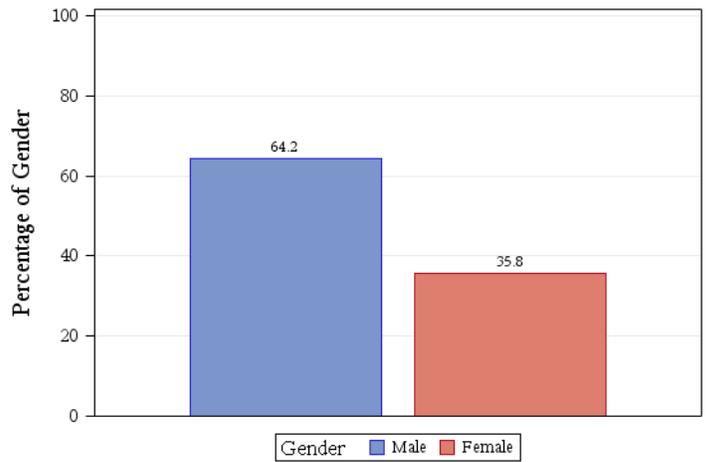
Automobile
2012-2014



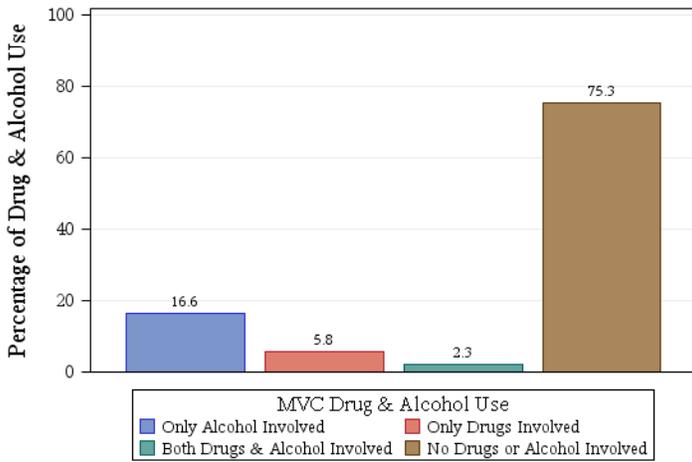
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2012-2014



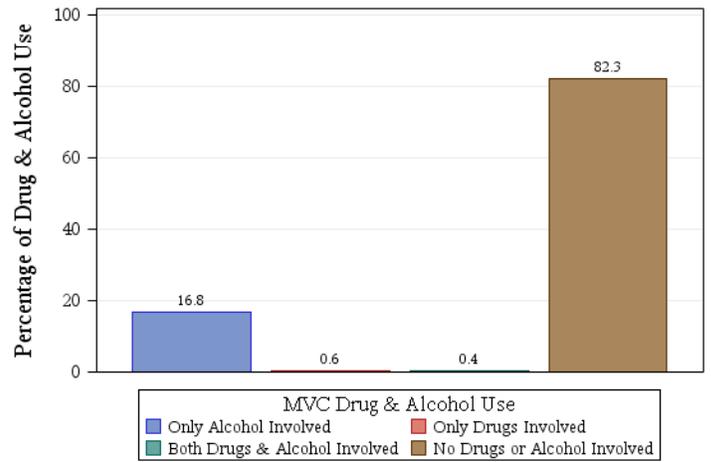
Pedestrian
2012-2014



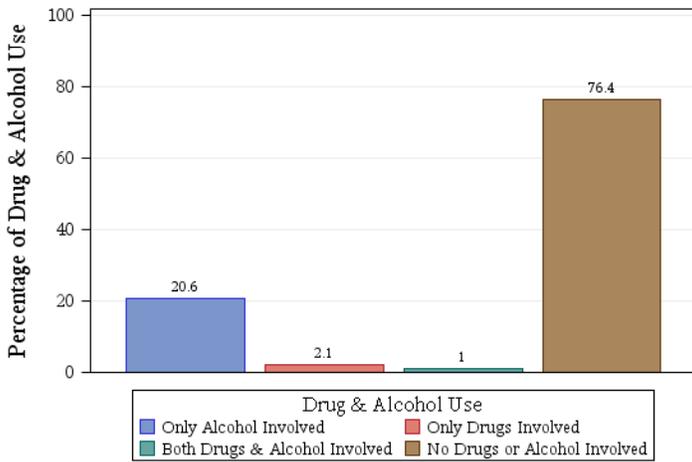
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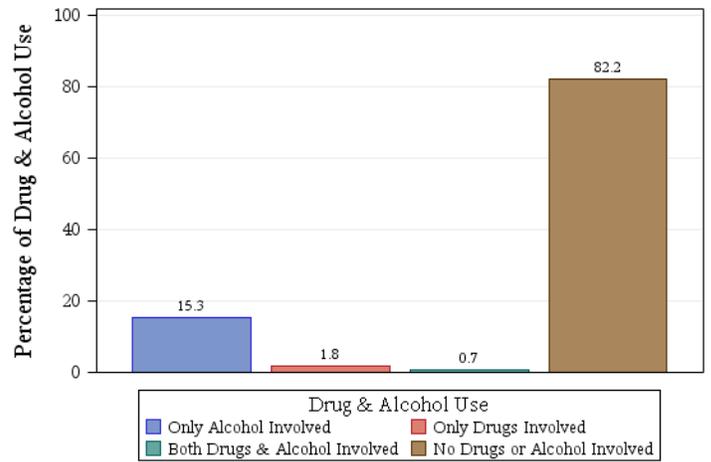
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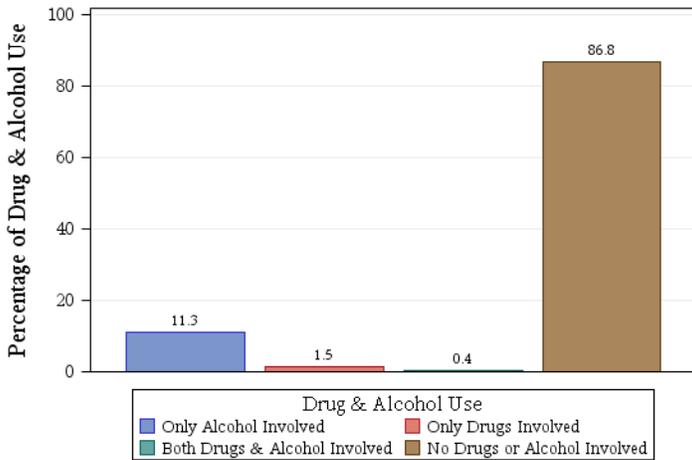
Motorcycle
2012-2014



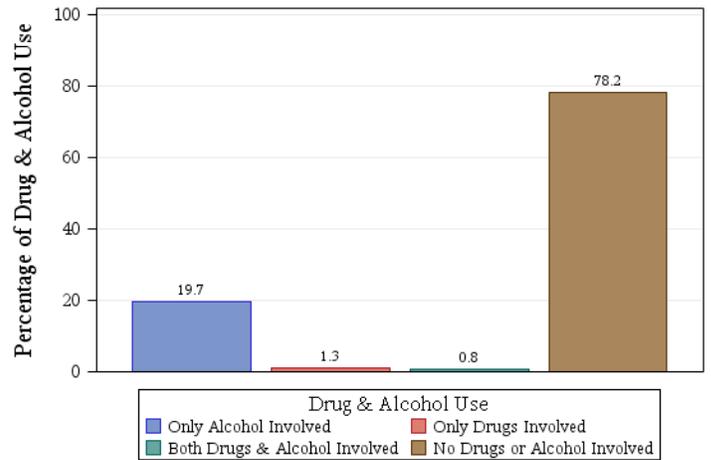
Automobile
2012-2014



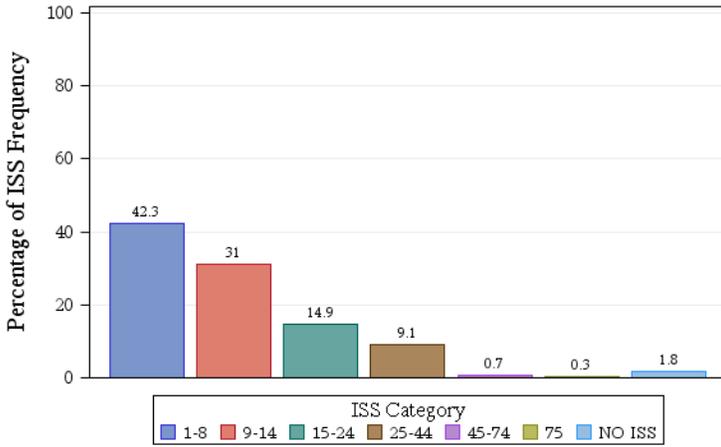
Bicyclist
2012-2014



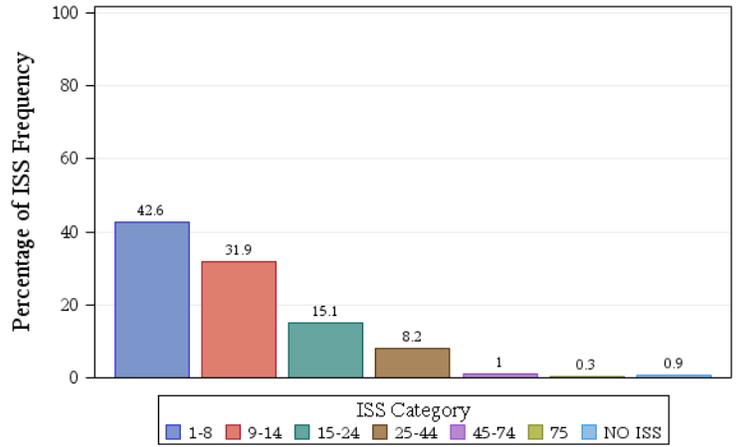
Pedestrian
2012-2014



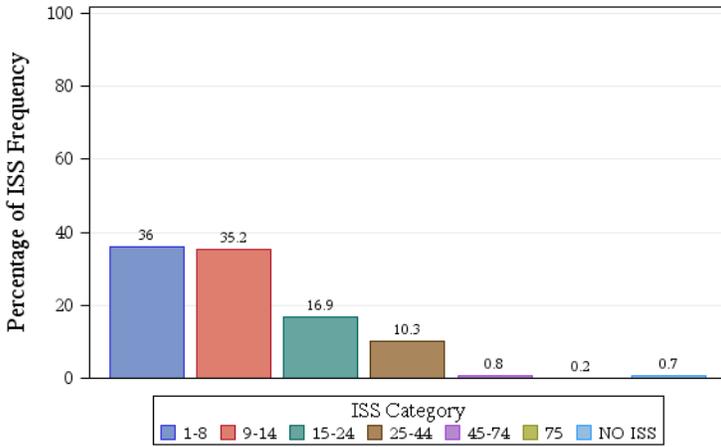
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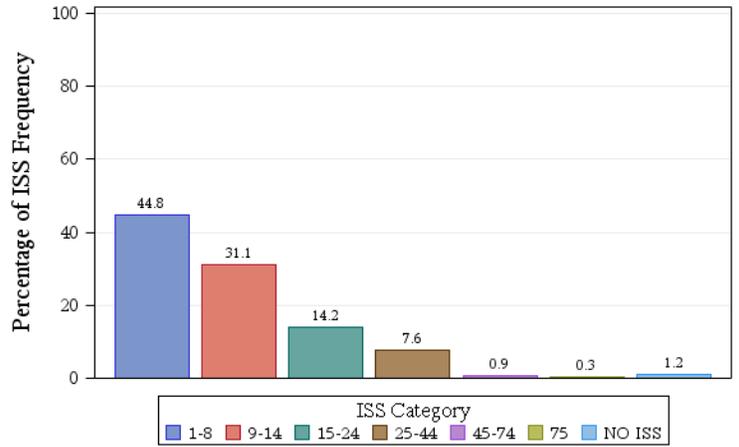
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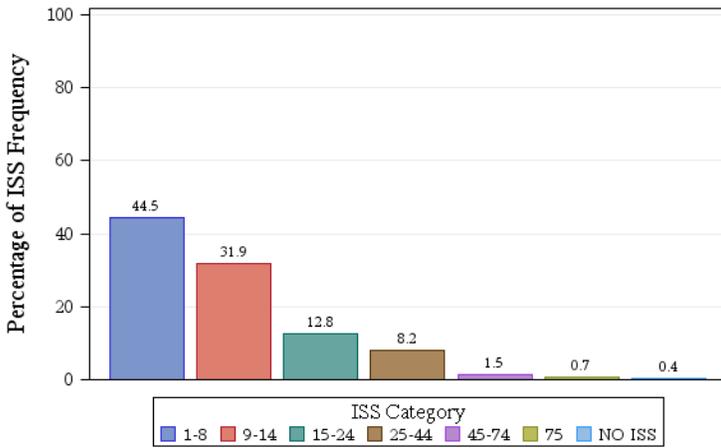
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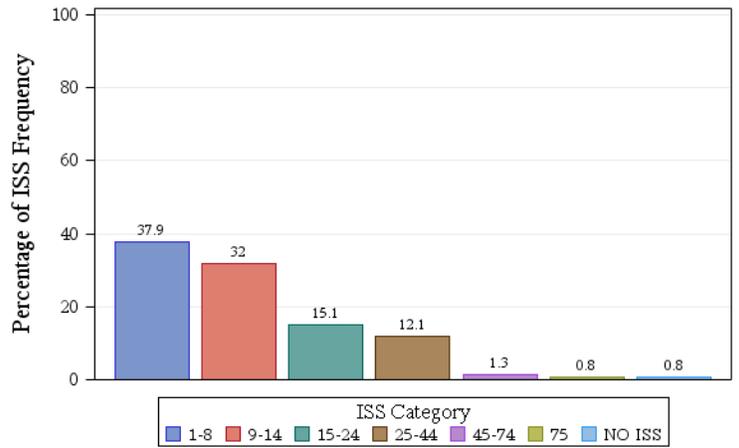
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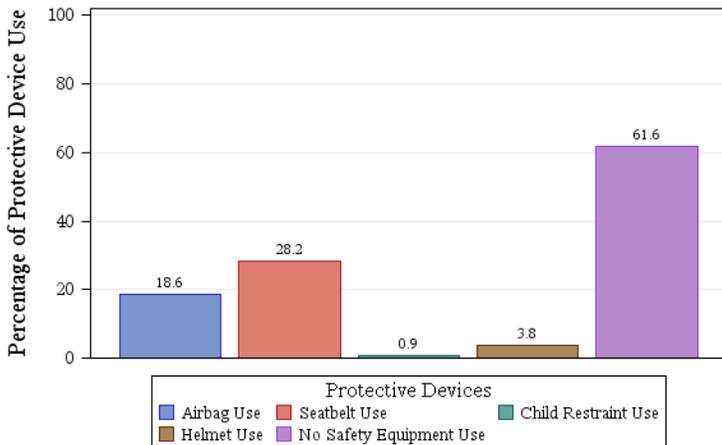
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2012-2014**



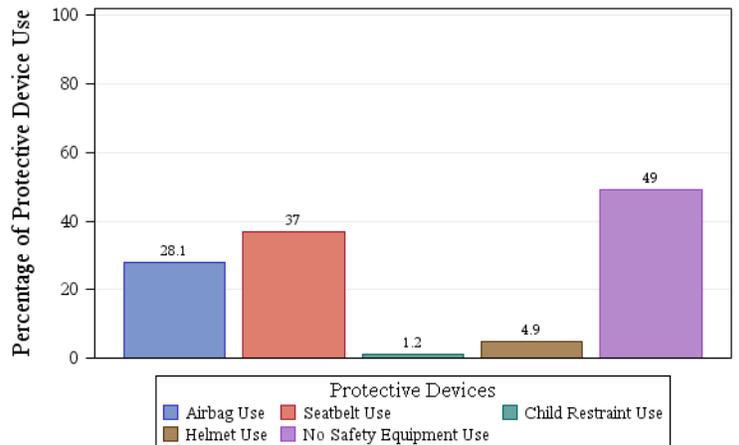
**Pedestrian
2012-2014**



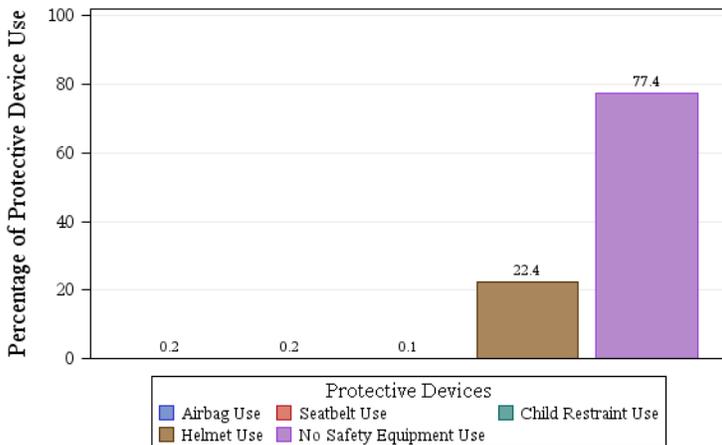
2012



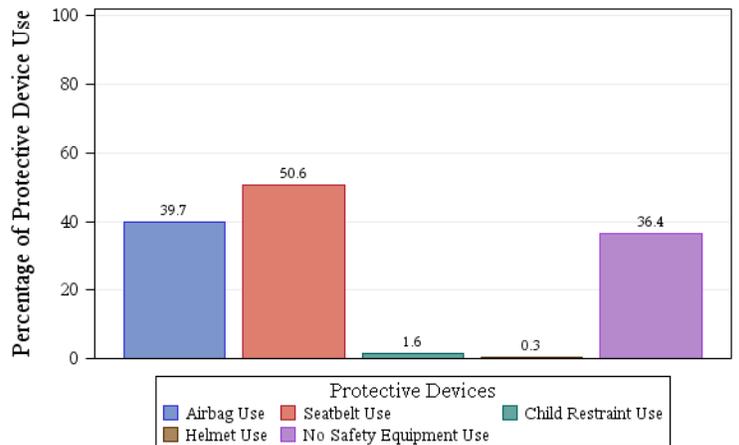
2013-2014



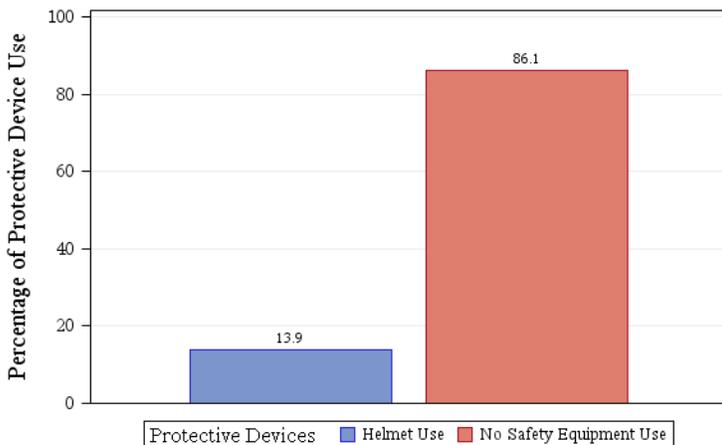
**Motorcycle
2012-2014**



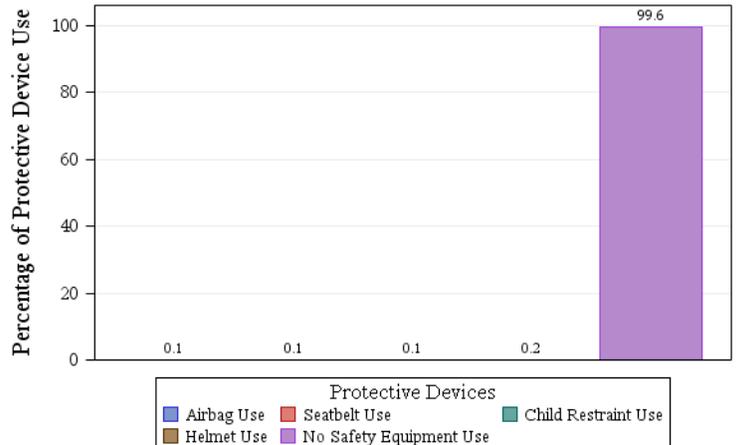
**Automobile
2012-2014**



**Bicyclist
2012-2014**



**Pedestrian
2012-2014**



Indiana Trauma Registry, December 1, 2014 - November 30, 2015 MVC involving Drugs or Alcohol By Public Health Preparedness Districts

