

On February 10th, Katie Hokanson (Director), Camry Hess (Database Analyst Epidemiologist) and Ramzi Nimry (Trauma System PI Manager) attended the PI Sub-committee meeting at ISDH.

On February 18th, Ramzi Nimry (Trauma System PI Manager) conducted an ImageTrend (registry) training session for IU Health North, Saxony and Tipton at IU Health Saxony in Fishers, IN.

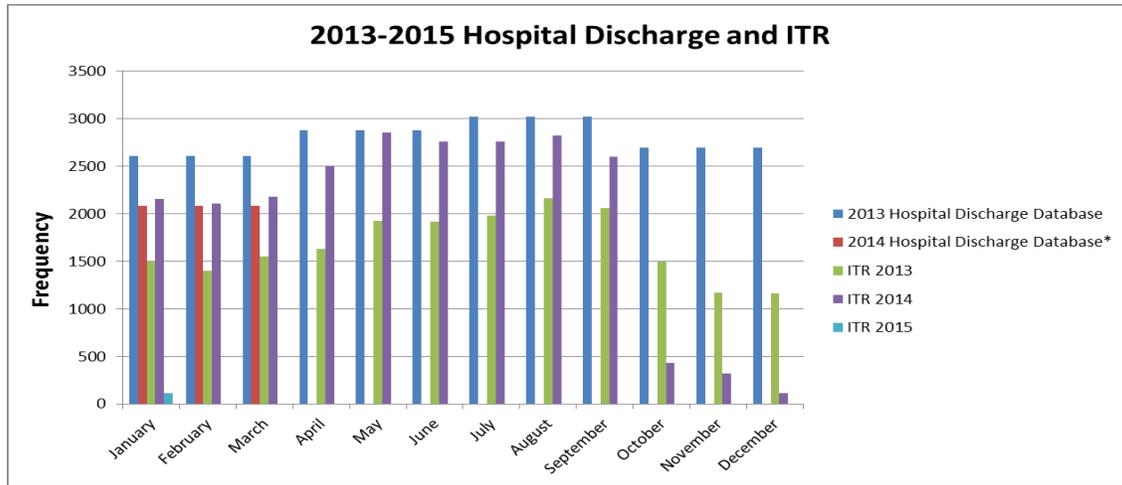
On February 20th, Katie Hokanson (Director), Camry Hess (Database Analyst Epidemiologist) and Ramzi Nimry (Trauma System PI Manager) attended the Indiana State Trauma Care Committee (ISTCC) at ISDH.

On February 20th, Camry Hess (Database Analyst Epidemiologist) and Ramzi Nimry (Trauma System PI Manager) attended the Indiana Trauma Network meeting at ISDH.

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, and integration. This report uses data within the ITR, with an emphasis on motor vehicle collisions (MVC).

Completeness

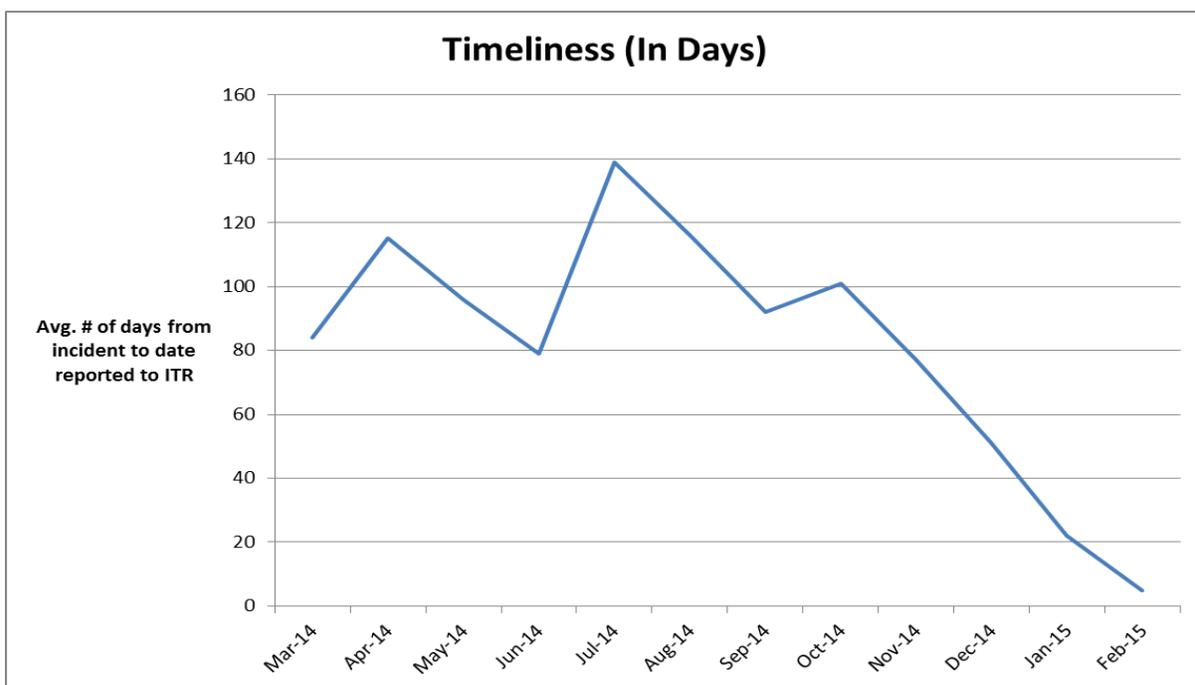
The Hospital Discharge database, also maintained by the ISDH, contains all records of patients cared for in Indiana hospitals. We compared patient records from the ITR with the Hospital Discharge database to know how complete is the ITR's data. 2014 Hospital Discharge data is not available to the ISDH at this time.



Timeliness

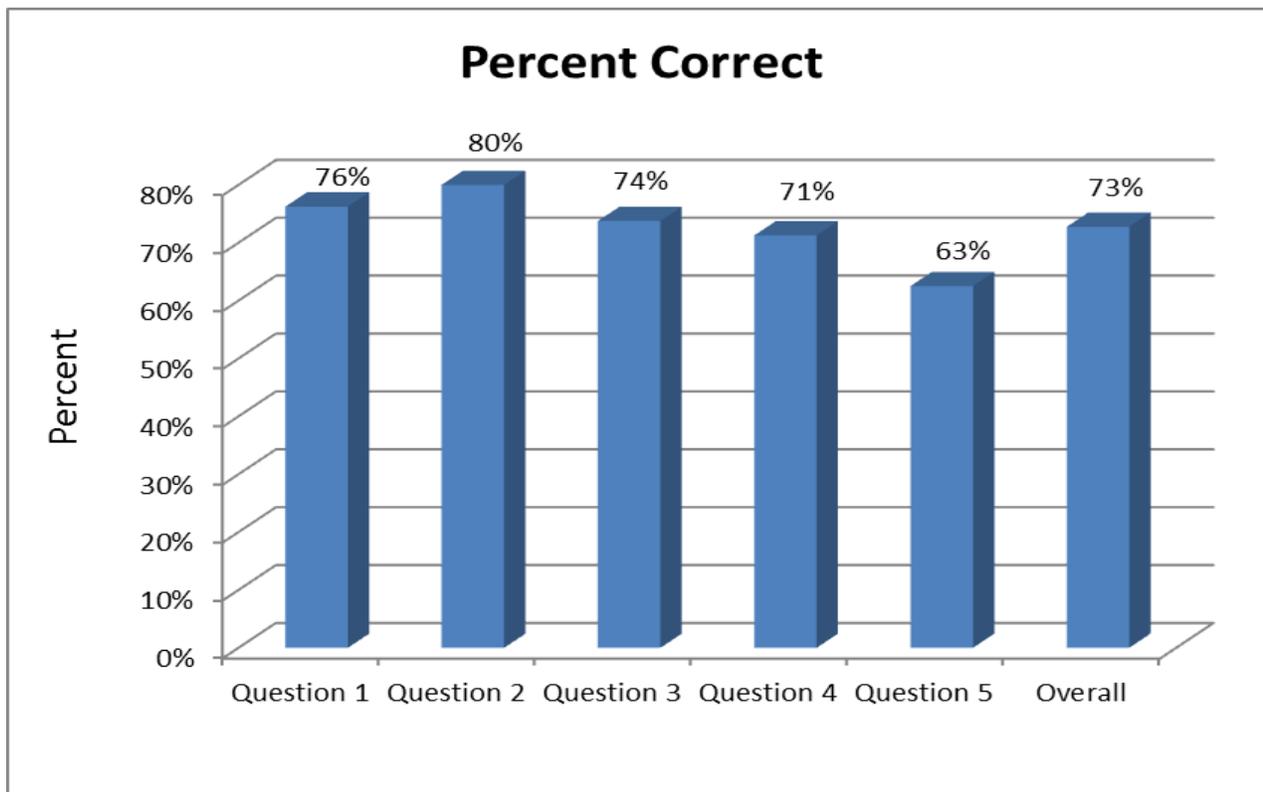
Timeliness increases as facilities wait until the data submission deadline to submit data to the ITR. Hospitals are asked to report data on the national trauma (TQIP) reporting schedule.

The decrease in timeliness from October 2014 until February 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 January we sent out the twelfth monthly quiz for the inter-rater reliability study. Eighty registrars completed the quiz from 57 hospitals. The percent of correct answers was 73% for the entire quiz and the average free-marginal Kappa (measure of consistency) 0.61. 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.



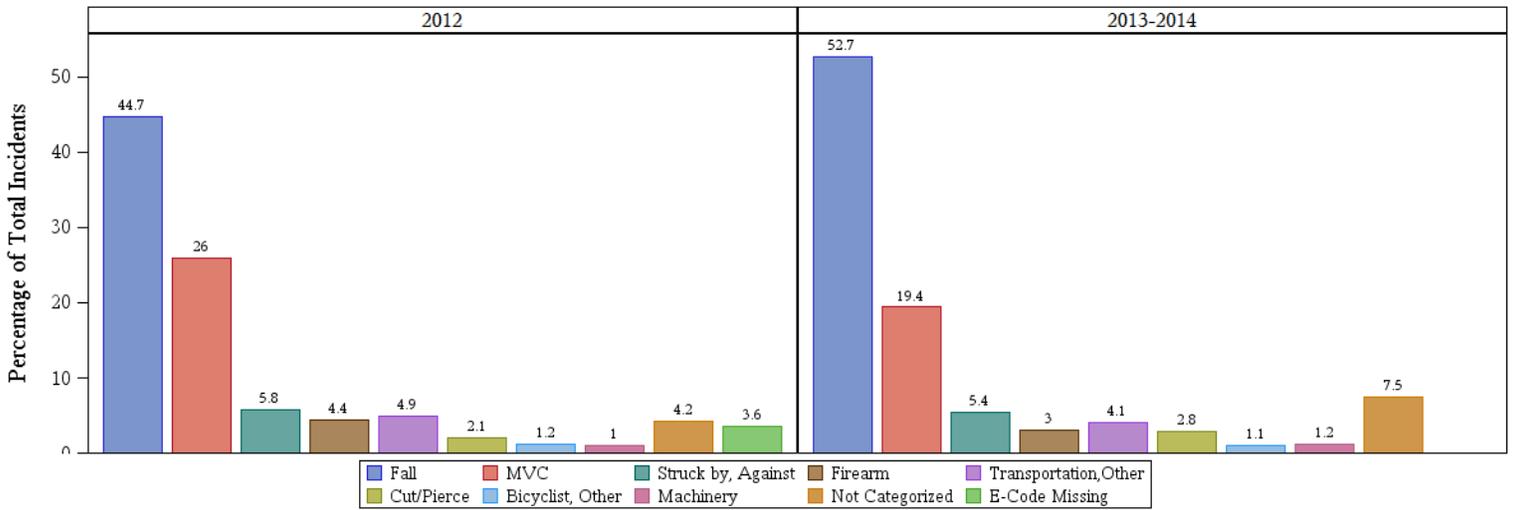
Integration

The number of linked EMS to trauma cases was 383 for Q3 2014 data. Trauma data is due on a quarterly basis. Integration for Q4 2014 data will be available in the June 2015 report.

Accessibility

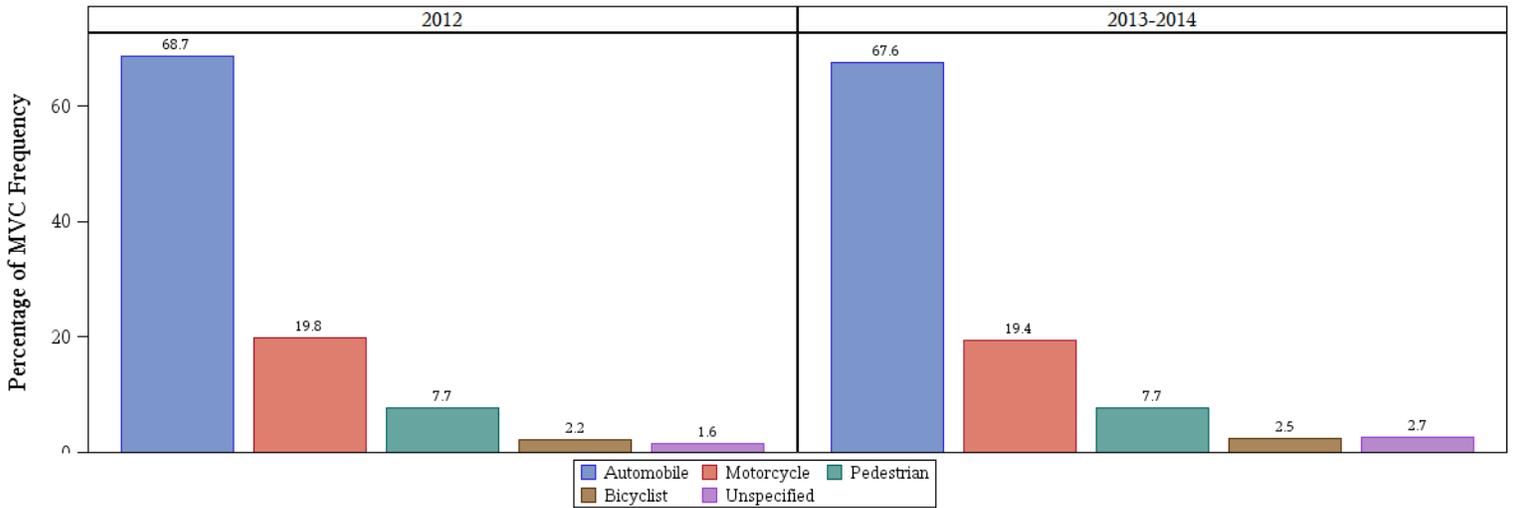
The average days to delivery of aggregate data was 1.5 and for identifiable requests was 2.5 days.

Cause of Injury (COI)

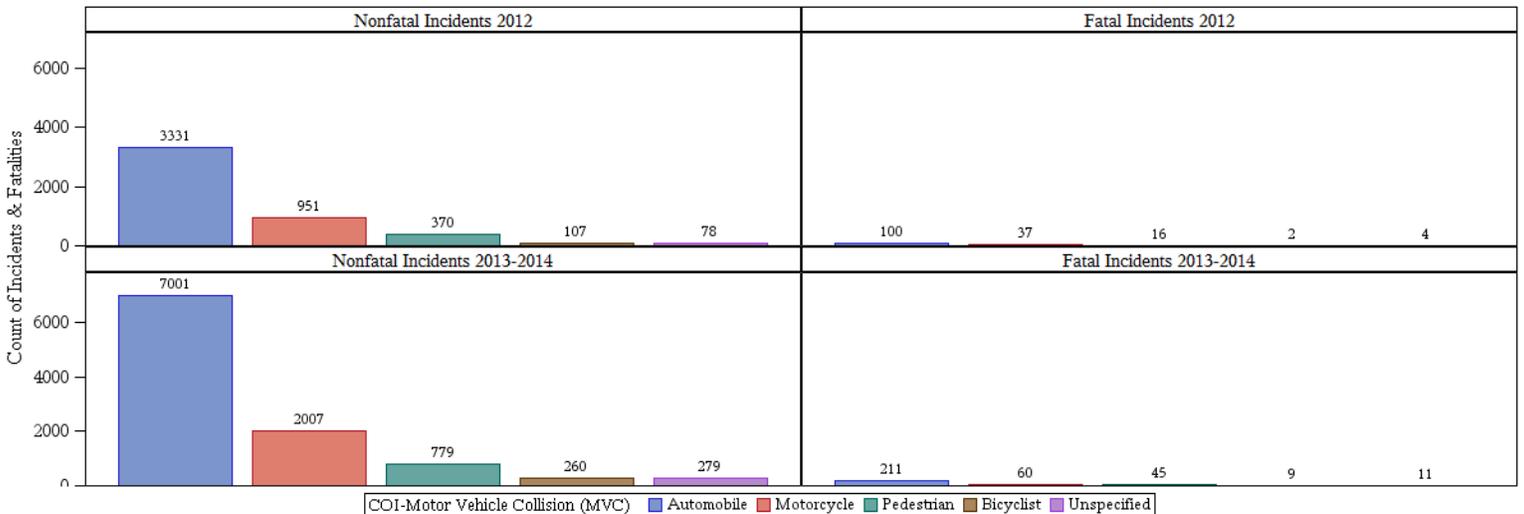


<1% of COI: Pedestrian (Other), Natural/Environmental, Overexertion, Fire/Burn, and Bites/Stings

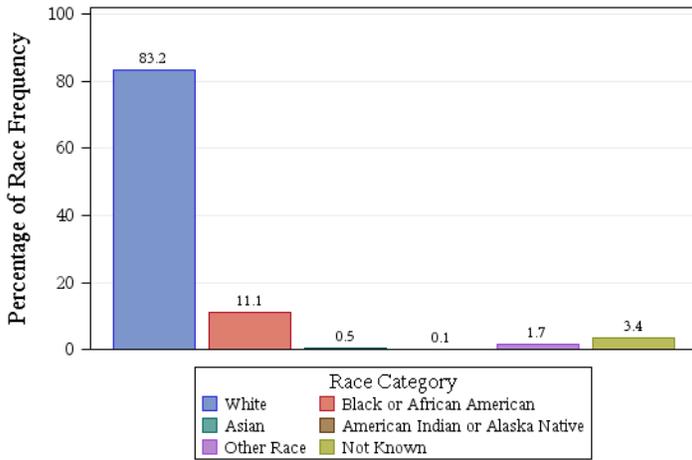
COI-Motor Vehicle Collision (MVC)



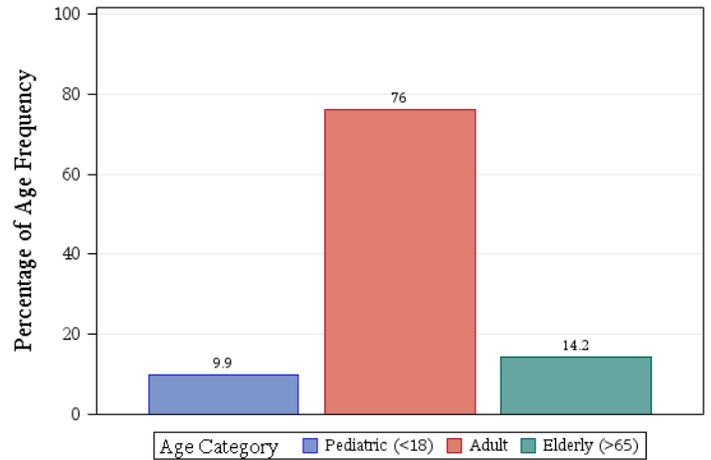
COI-MVC Nonfatal Incidents and Fatal Incidents



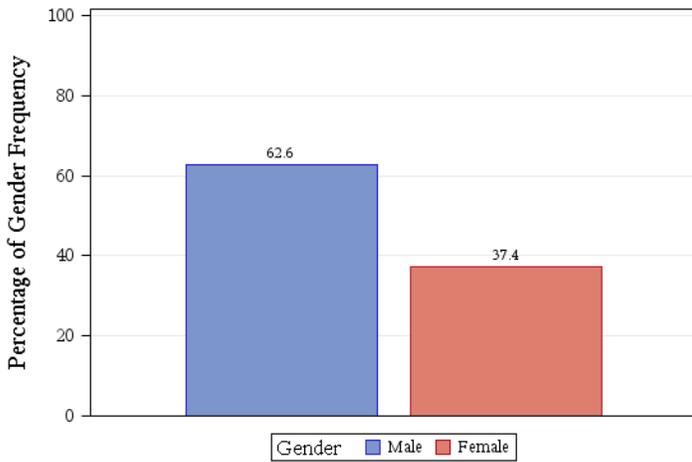
Race



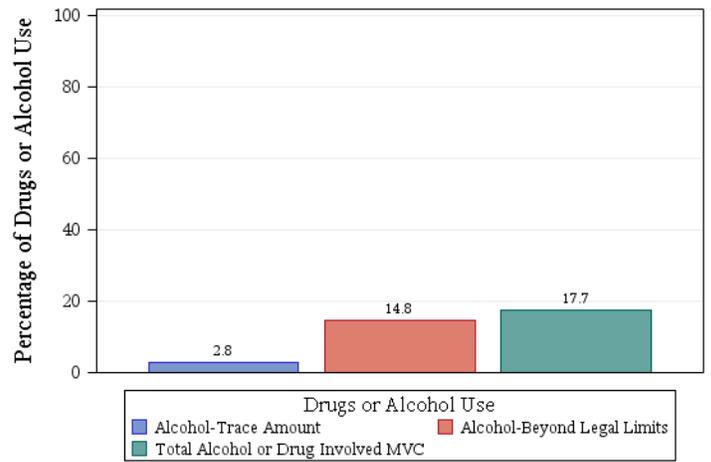
Age



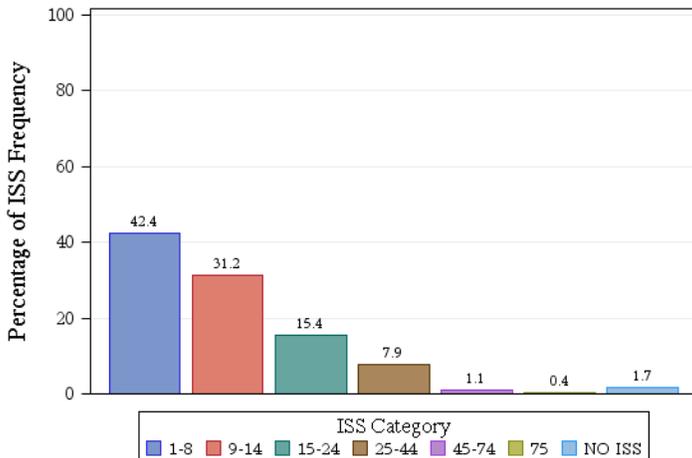
Gender



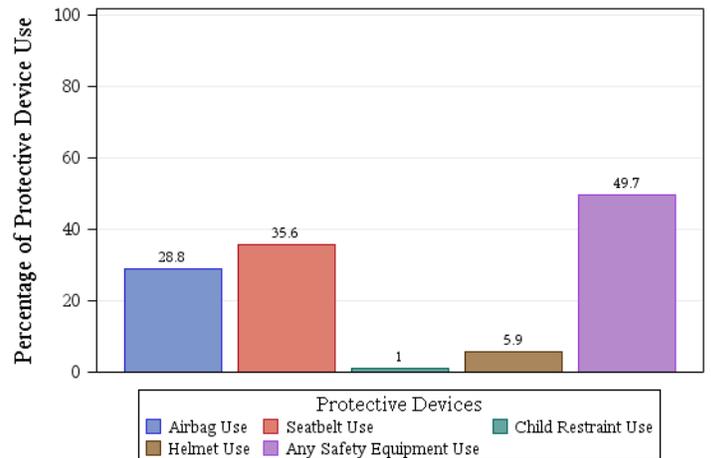
Drug & Alcohol Use



Injury Severity Score

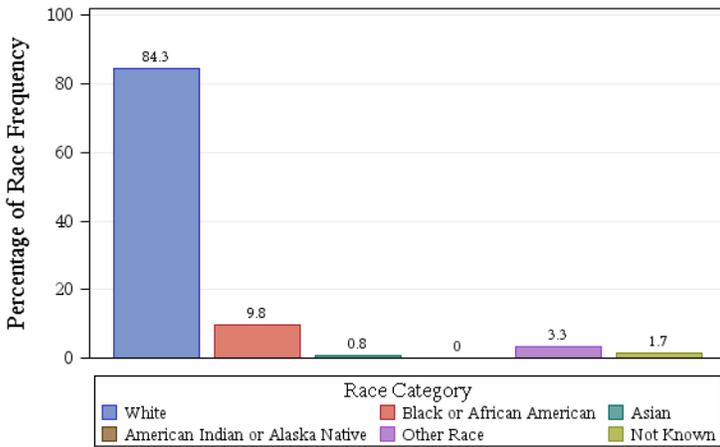


Protective Devices

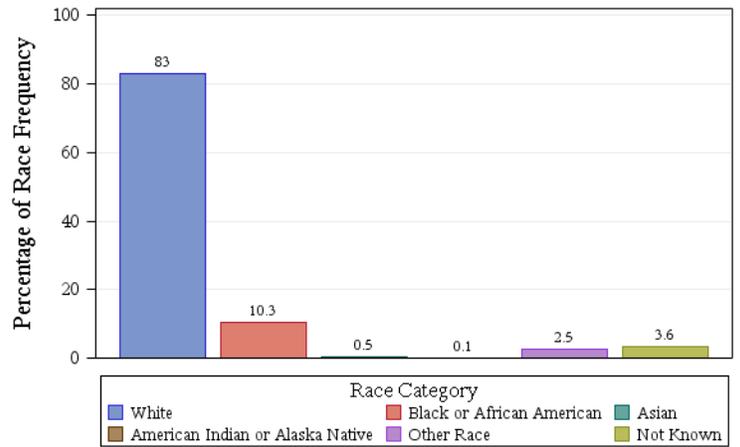


Injury Severity Score (ISS) is a measure of how bad the injury is. Scores over 15 are considered major trauma. A score of 75 is considered not survivable.

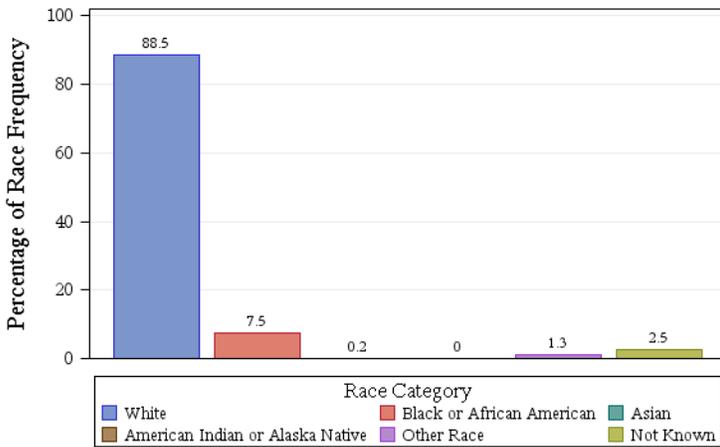
2012



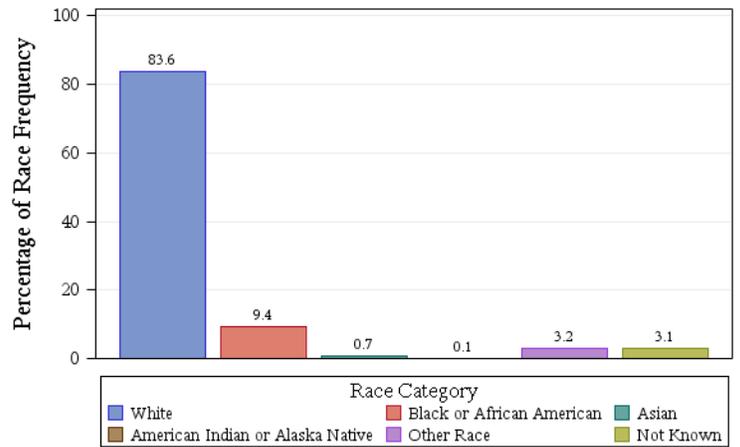
2013-2014



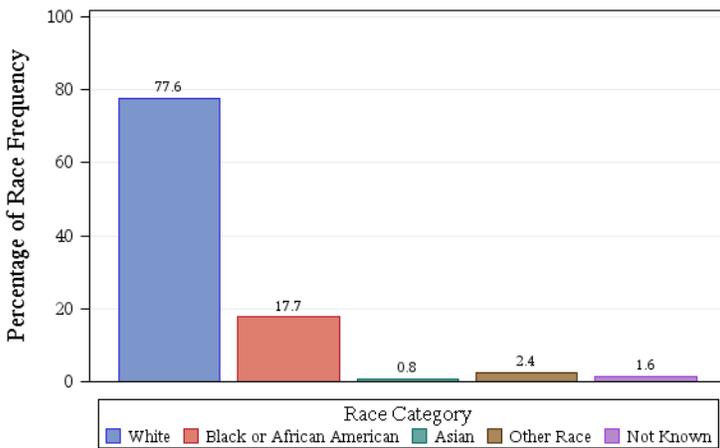
**Motorcycle
2012-2014**



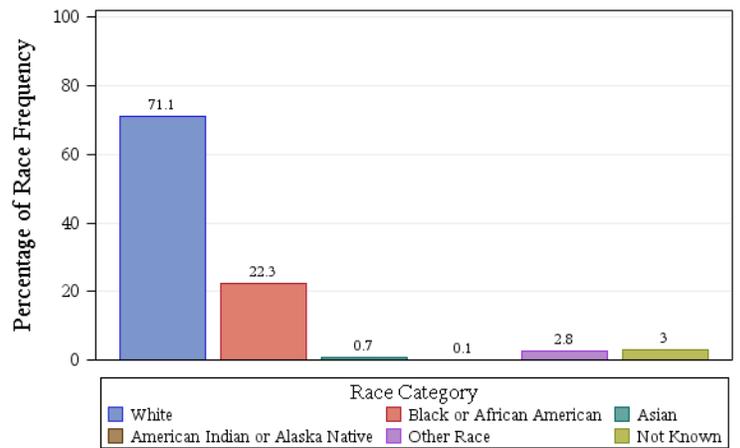
**Automobile
2012-2014**



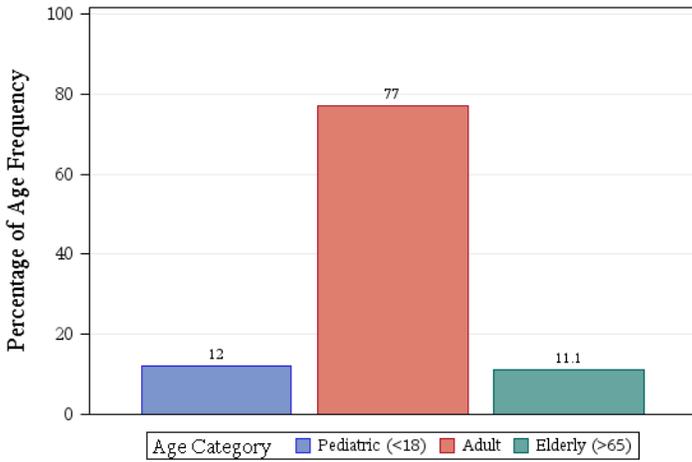
**Bicyclist
2012-2014**



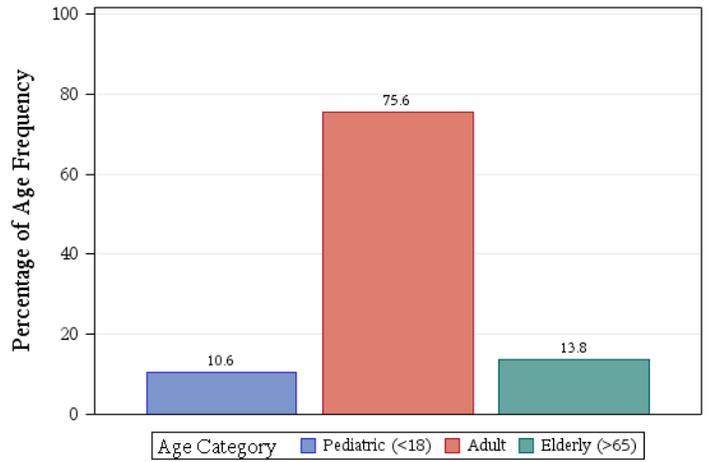
**Pedestrian
2012-2014**



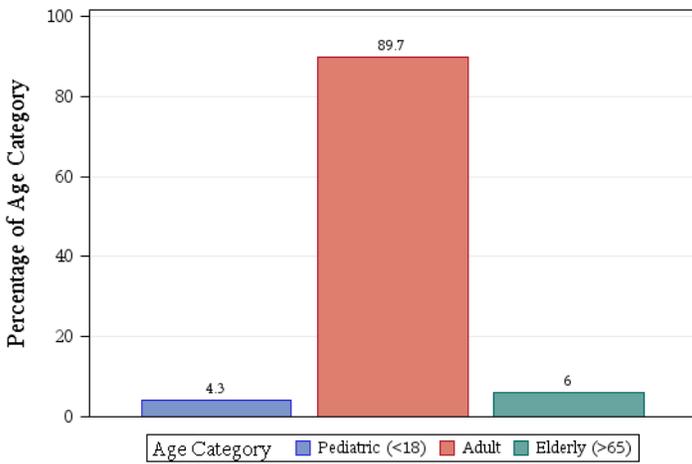
2012



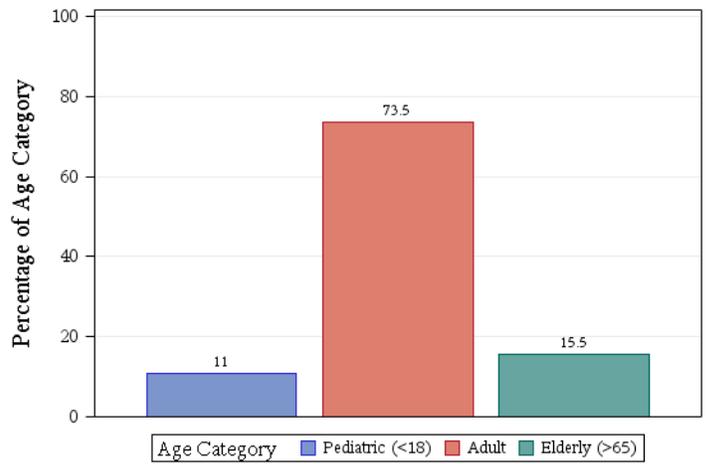
2013-2014



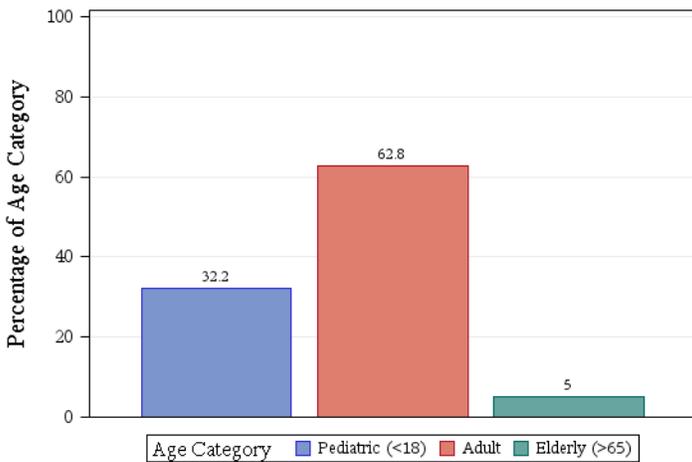
**Motorcycle
2012-2014**



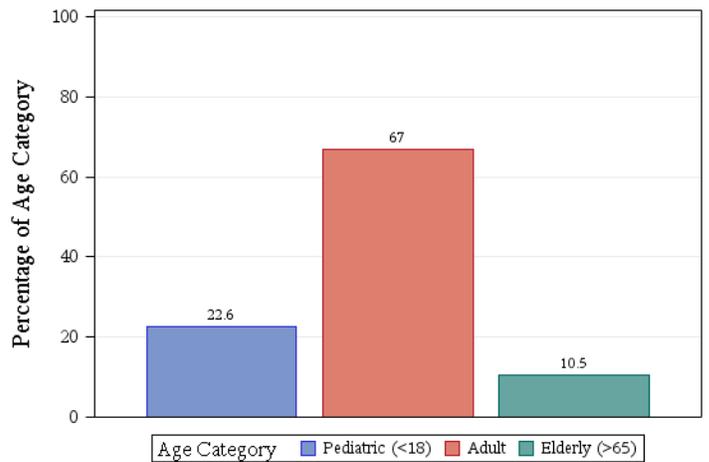
**Automobile
2012-2014**



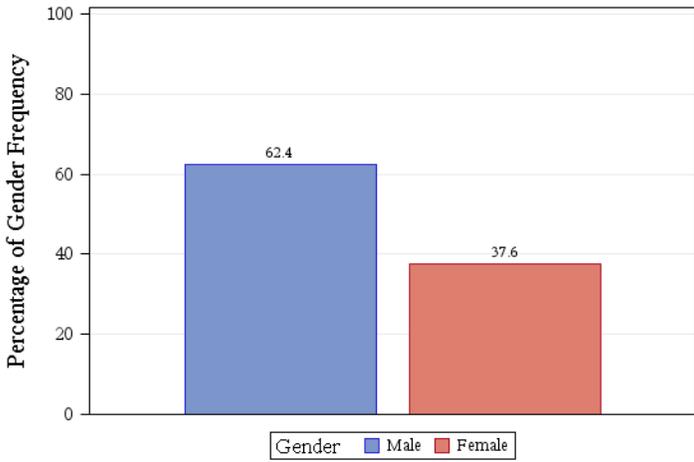
**Bicyclist
2012-2014**



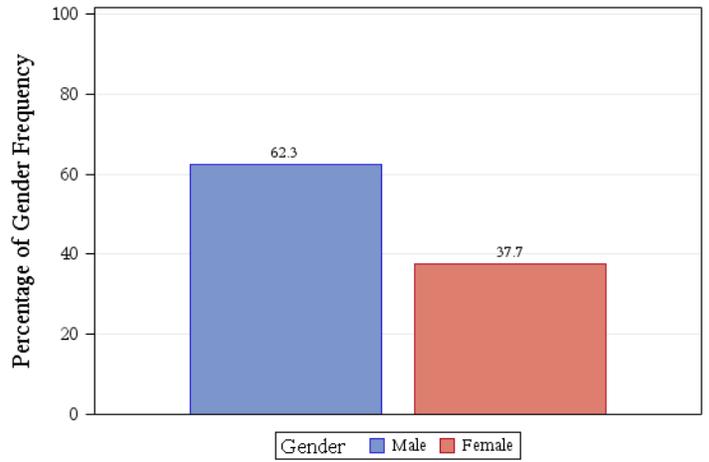
**Pedestrian
2012-2014**



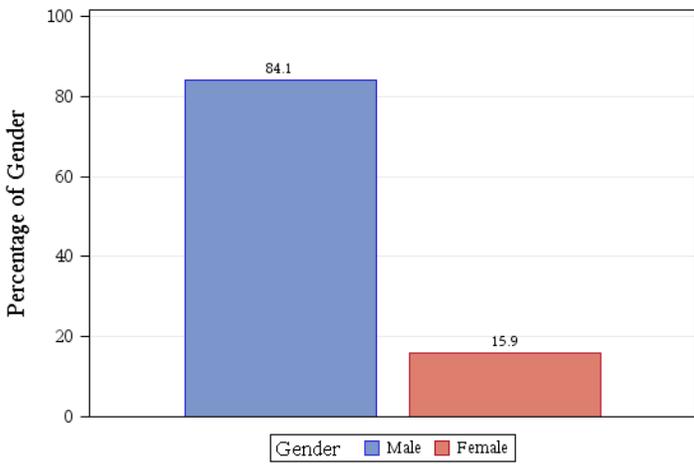
2012



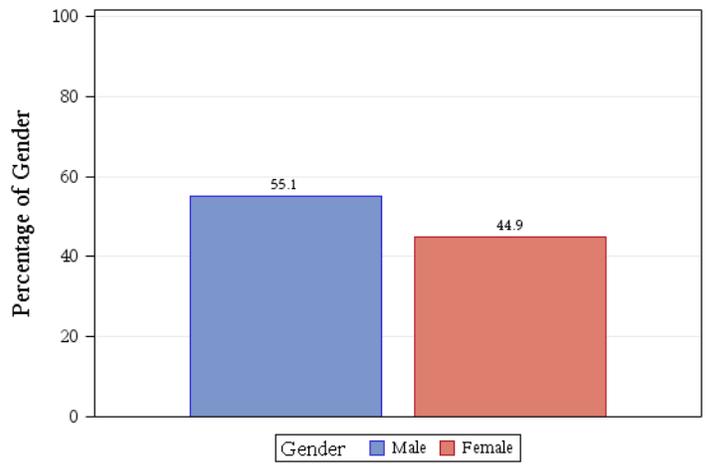
2013-2014



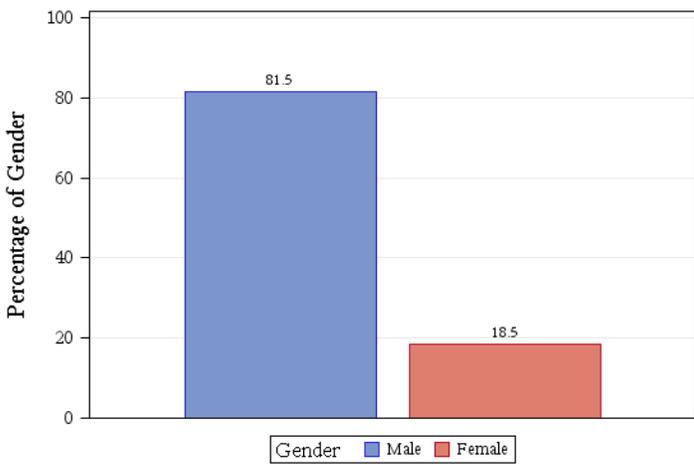
Motorcycle
2012-2014



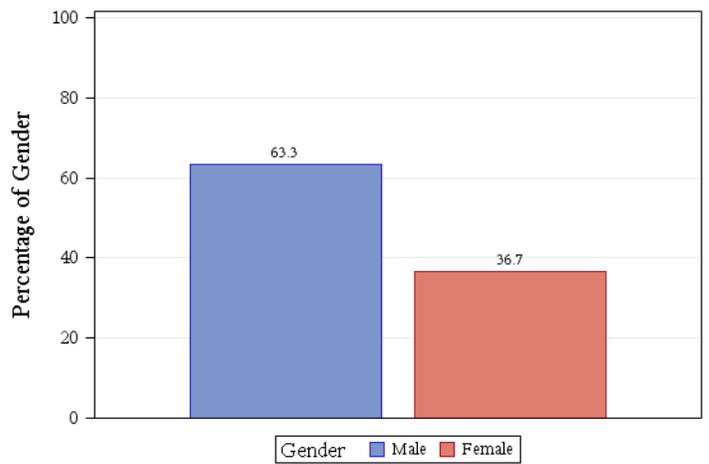
Automobile
2012-2014



Bicyclist
2012-2014

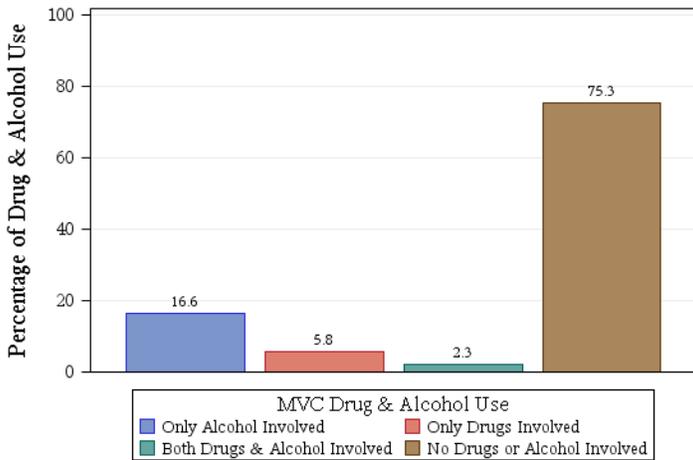


Pedestrian
2012-2014

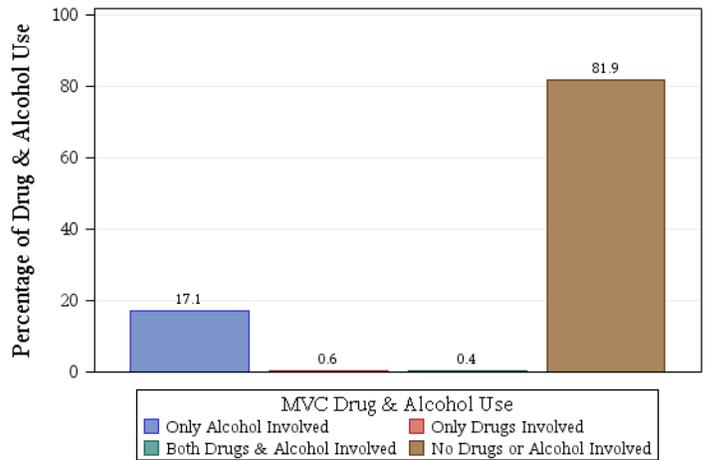


January 2012 to February 2015 15714 Incidents
Drug & Alcohol Use- Motor Vehicle Collision

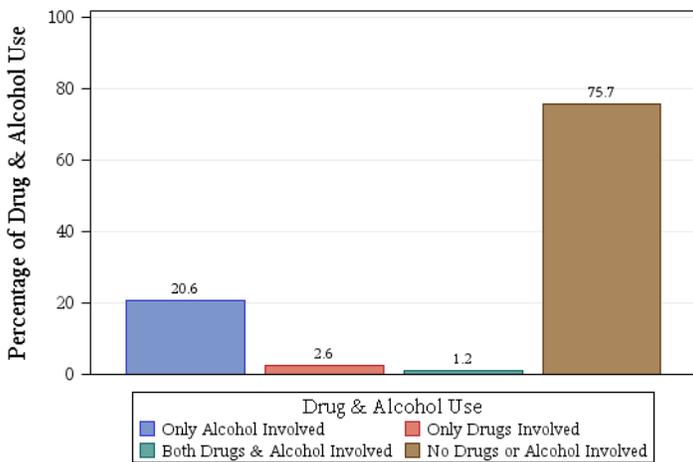
2012



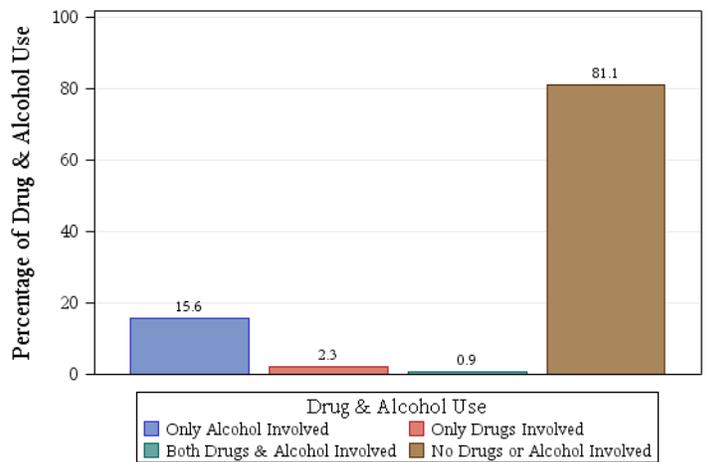
2013-2014



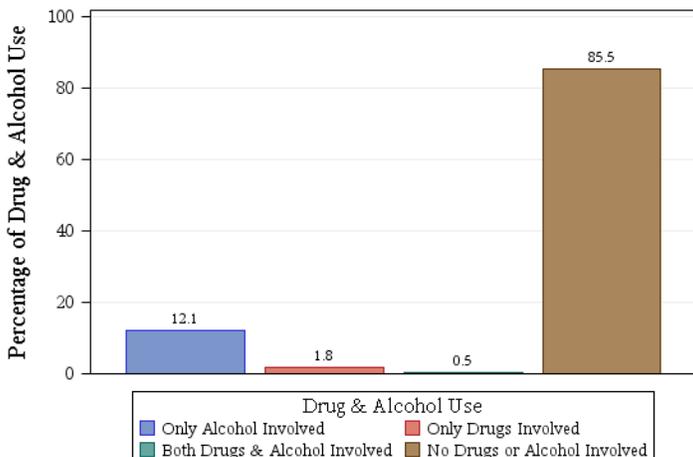
Motorcycle
2012-2014



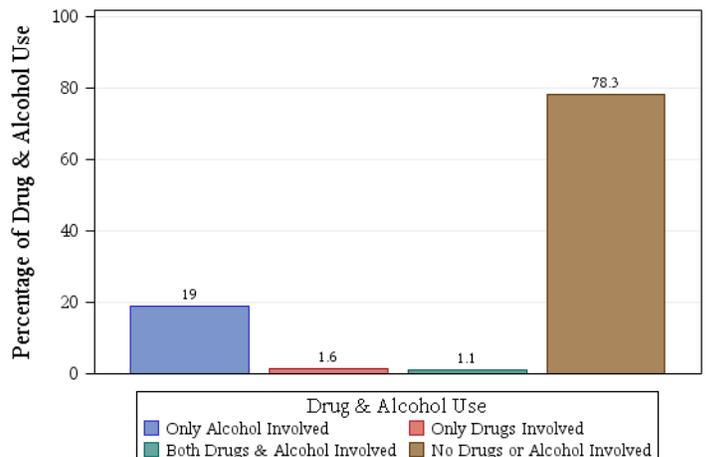
Automobile
2012-2014



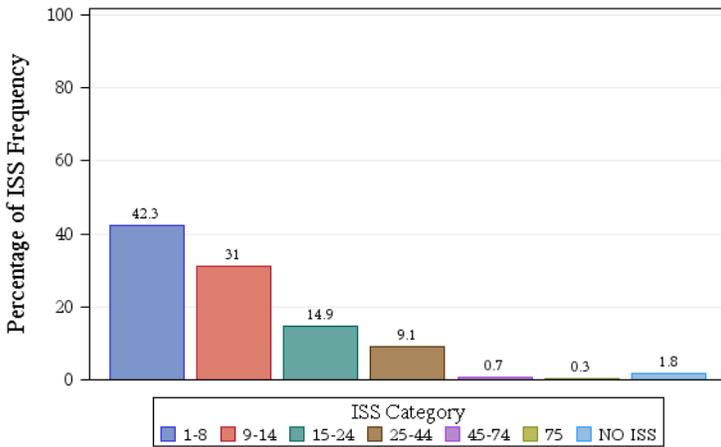
Bicyclist
2012-2014



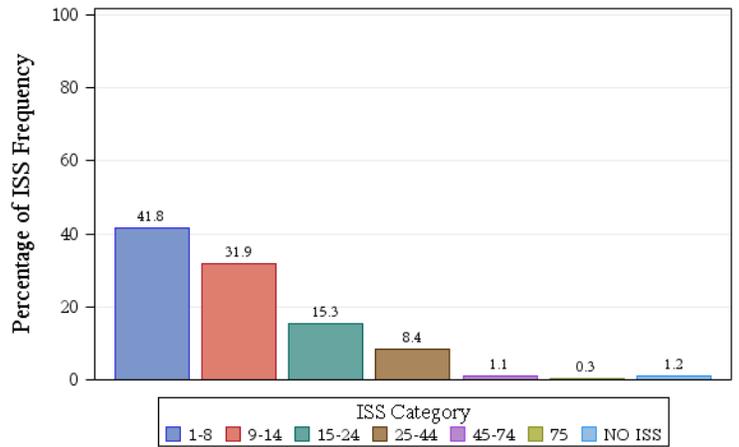
Pedestrian
2012-2014



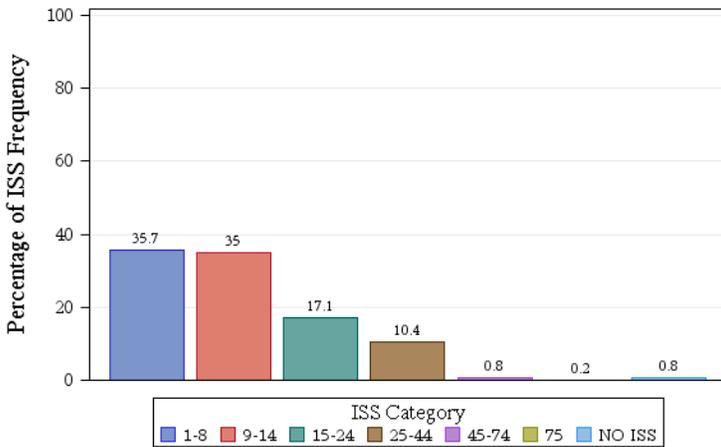
2012



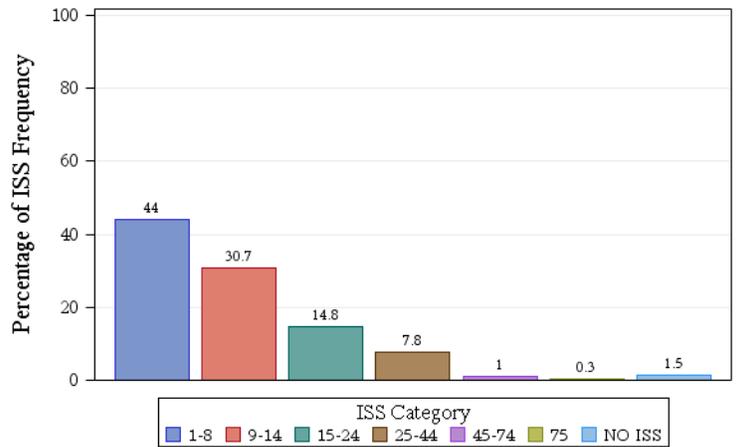
2013-2014



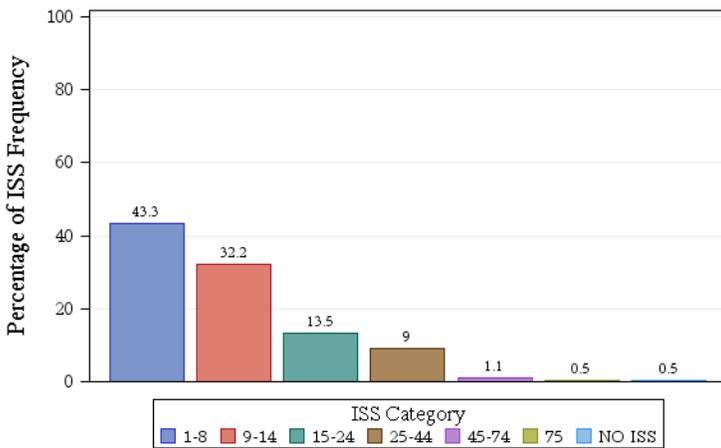
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2012-2014**



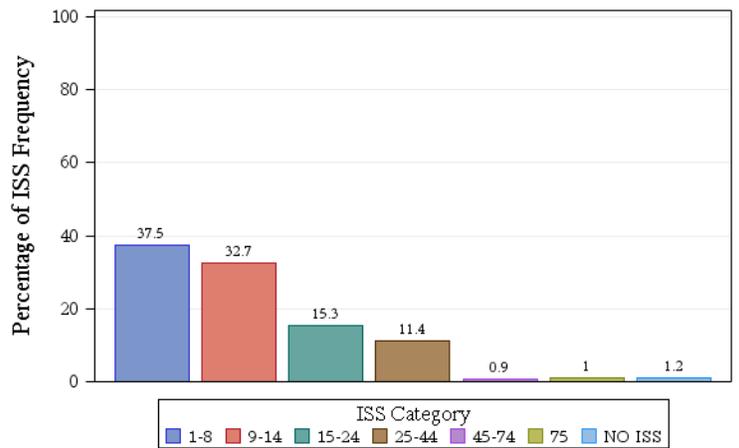
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2012-2014**



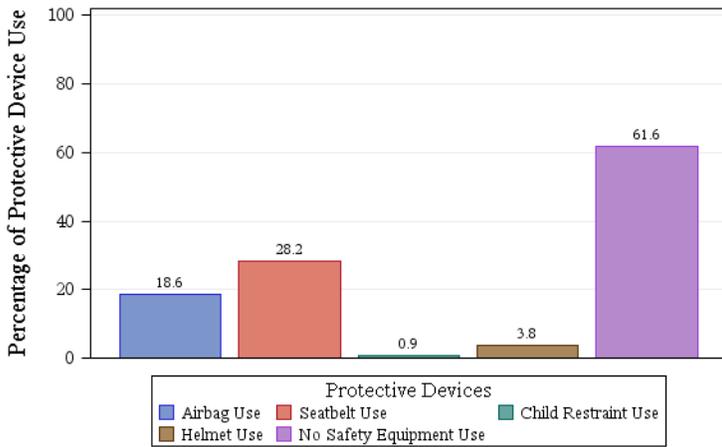
**Bicyclist
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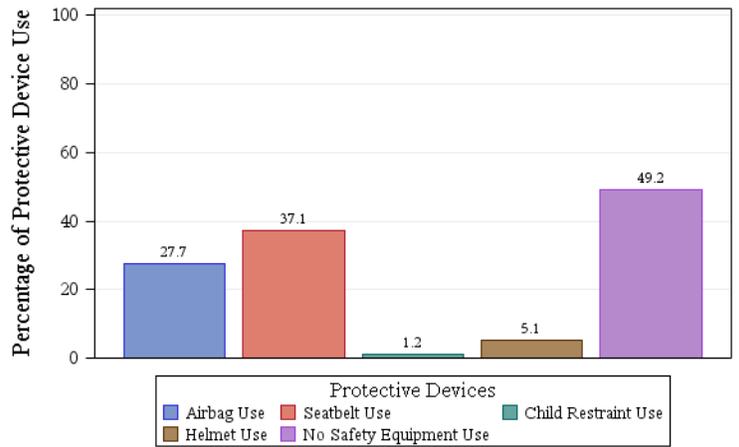
**Pedestrian
2012-2014**



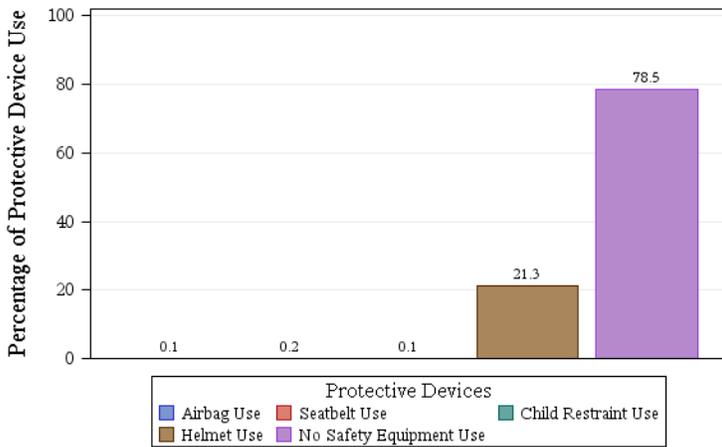
2012



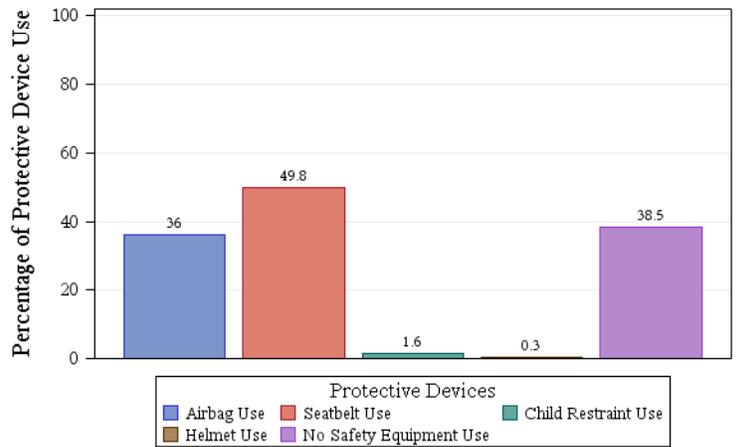
2013-2014



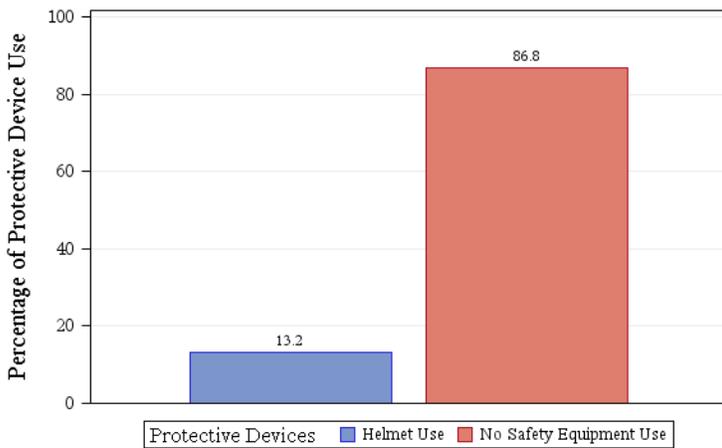
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2012-2014**



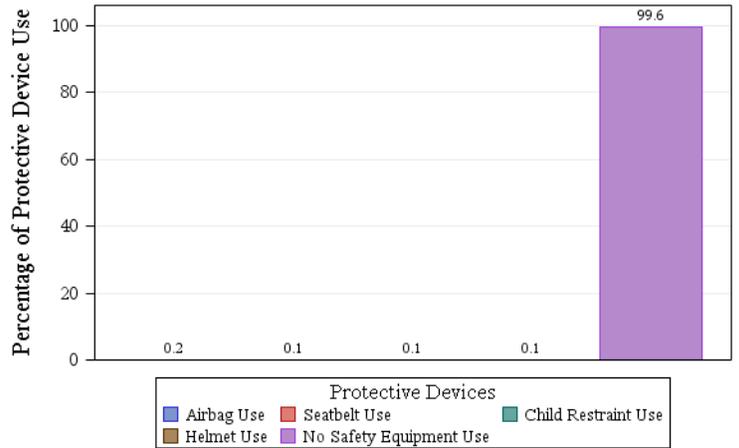
**Automobile
2012-2014**



**Bicyclist
2012-2014**



**Pedestrian
2012-2014**



Indiana Trauma Registry, March 1, 2014 - February 28, 2015 MVC involving Drugs or Alcohol By Public Health Preparedness Districts

