

On July 7th, 14th, 16th, 21st, 28th, and 30th, Ramzi Nimry (Trauma System PI Manager) provided ImageTrend registry trainings at: Crown Point, Terre Haute, Muncie, Fort Wayne, Scottsburg, and Lafayette, IN. On those same dates, Katie Hokanson (Director, Division of Trauma and Injury Prevention), lead a seminar on the trauma system and development in Indiana.

On July 8th and 9th, Katie Hokanson attended and participated in the NHTSA Assessment at the Department of Homeland Security.

On July 9th, Ramzi Nimry attended the District 10 regional development meeting.

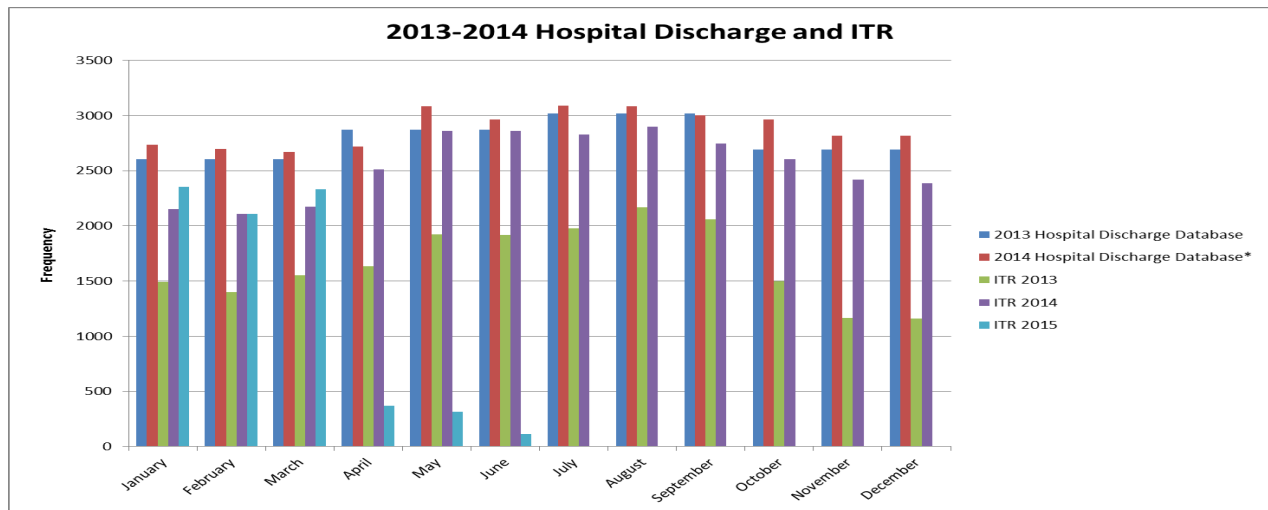
On July 28th, Katie Hokanson submitted the 2016 ICJI grant application.

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

### Completeness

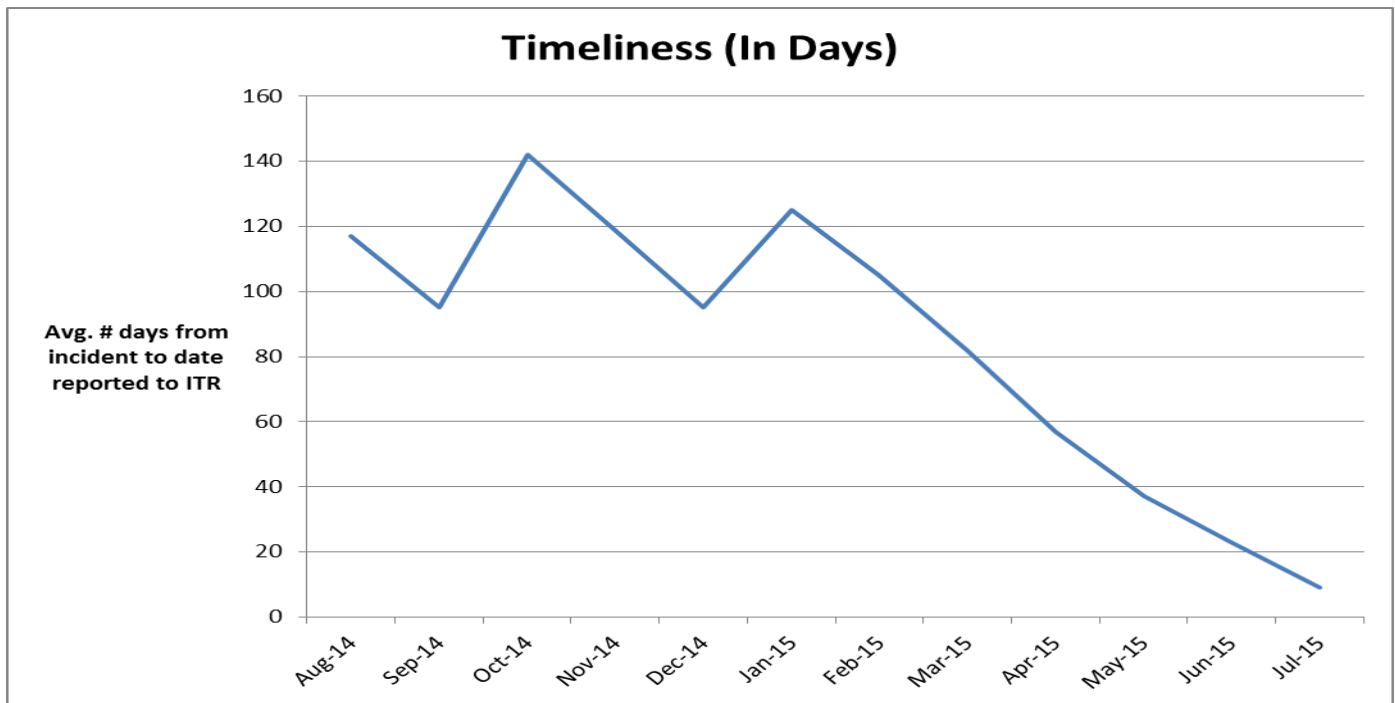
The Hospital Discharge database, also maintained by the ISDH, contains all records of patients cared for in Indiana hospitals. We compared patient records from the ITR with the Hospital Discharge database to know how complete is the ITR's data.



### Timeliness

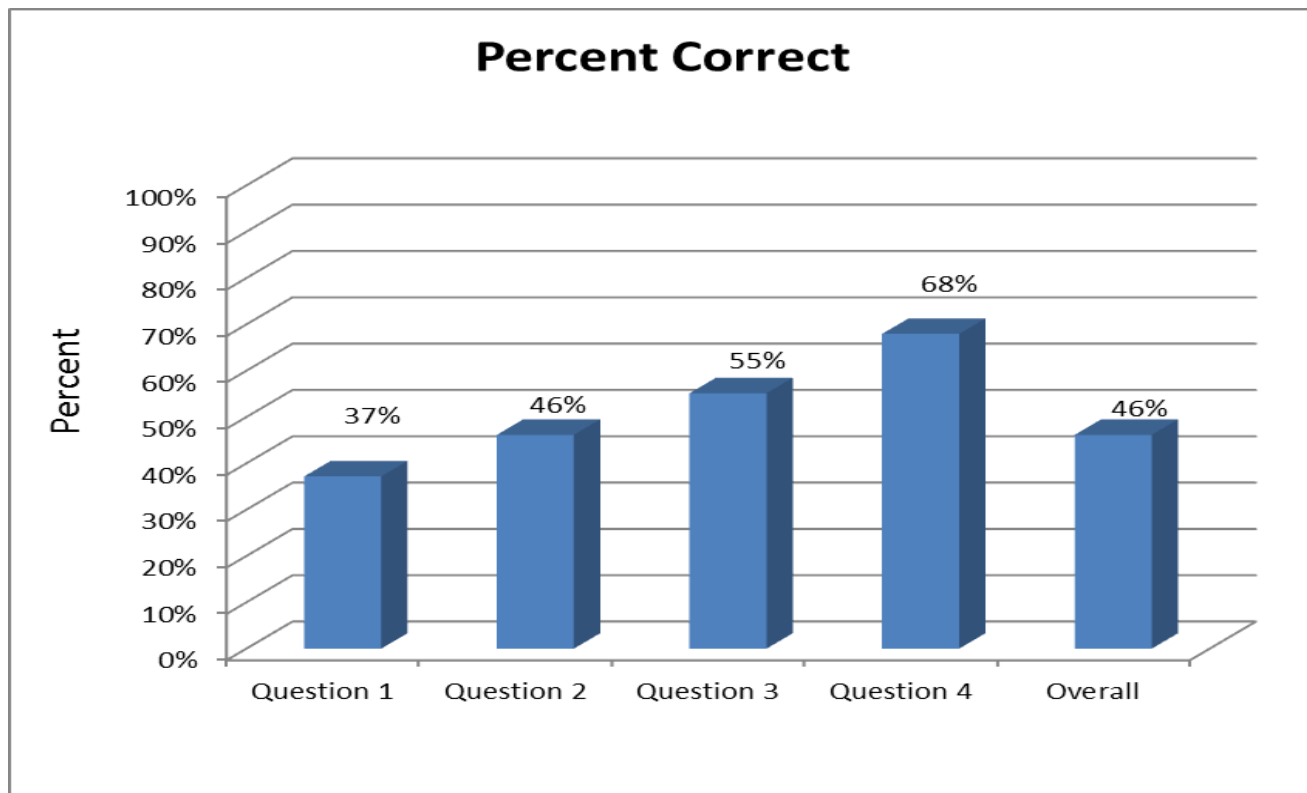
Timeliness increases as facilities wait until the data submission deadline to submit data to the ITR. Hospitals are asked to report data on the national trauma (TQIP) reporting schedule.

The decrease in timeliness from January 2015 until July 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 July we sent out the seventeenth monthly quiz for the inter-rater reliability study. Seventy-eight registrars completed the quiz from 53 hospitals. The percent of correct answers was 46% for the entire quiz and the average free-marginal Kappa (measure of consistency) 0.168. 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.



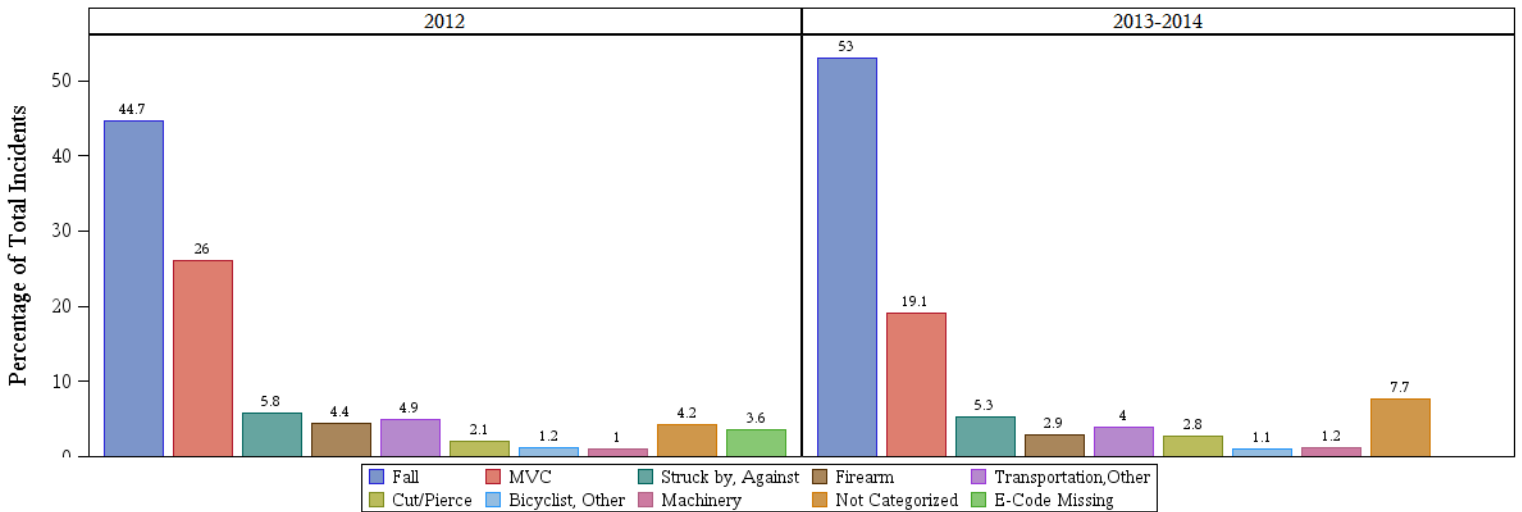
### Integration

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

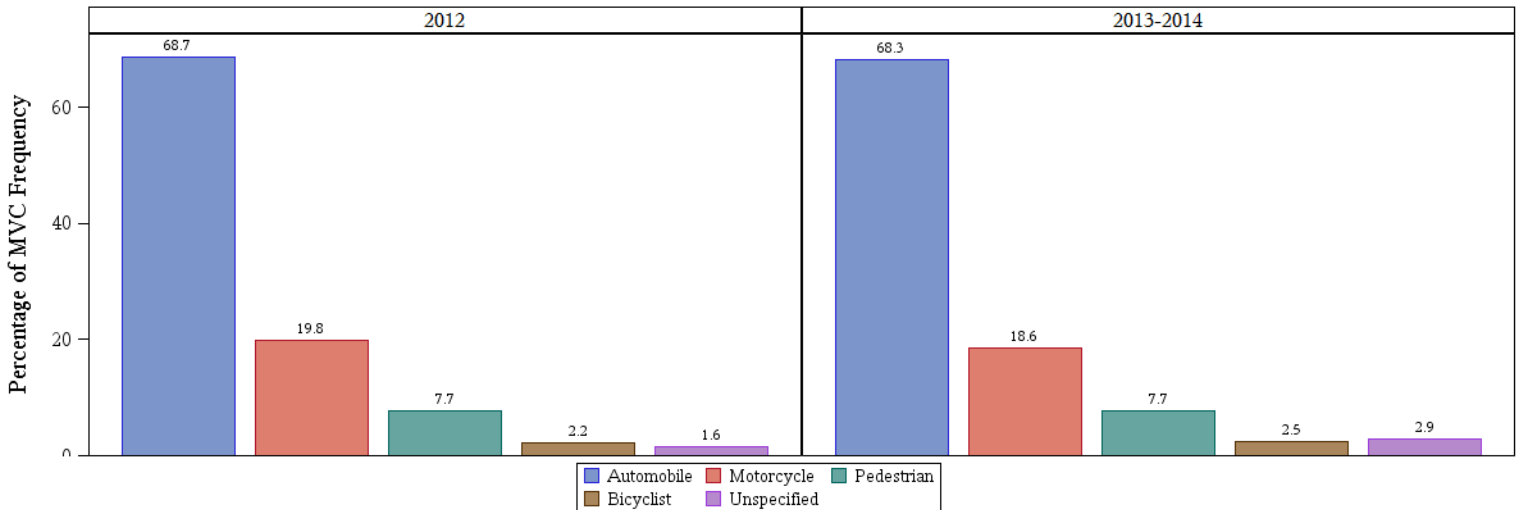
### Accessibility

The average days to delivery of aggregate data was 1.5 days. The average days to delivery for identifiable data was 1 day.

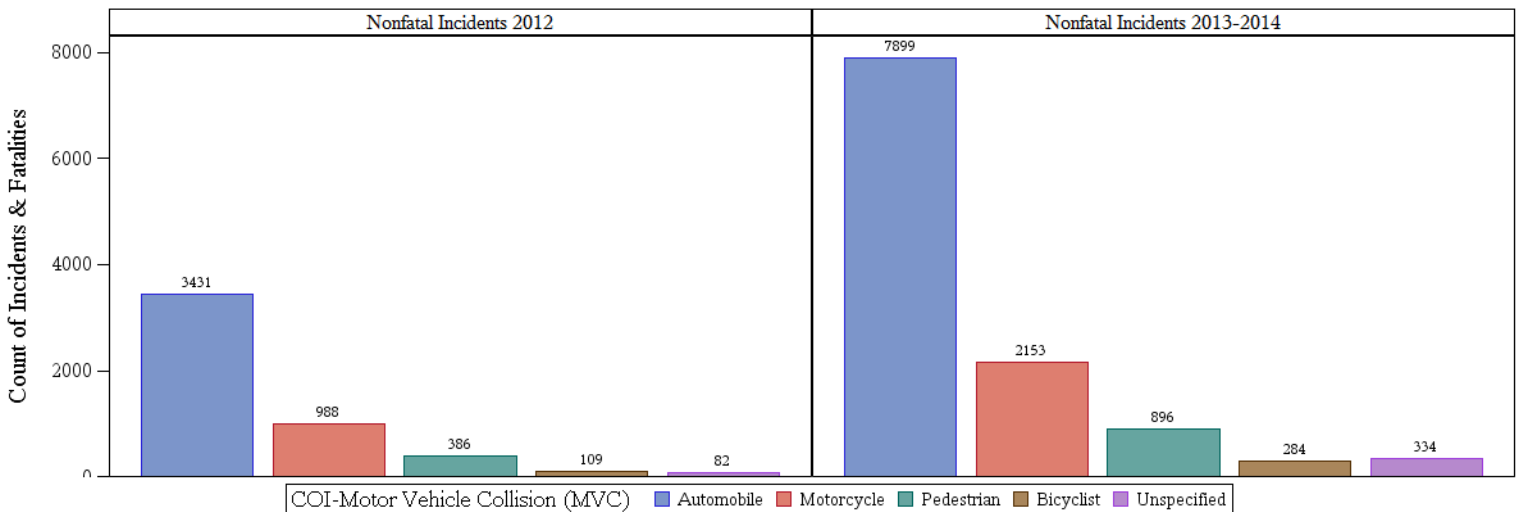
**January 2012 to July 2015 89472 Incidents**  
**Cause of Injury (COI)**



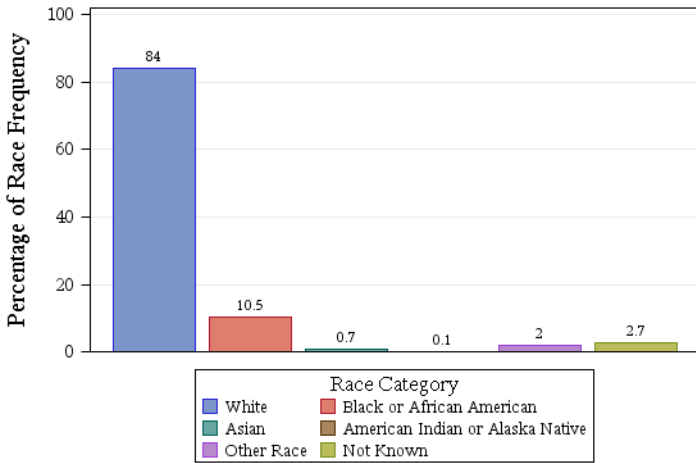
<1% of COI: Pedestrian (Other), Natural/Environmental, Overexertion, Fire/Burn, and Bites/Stings  
**COI-Motor Vehicle Collision (MVC)**



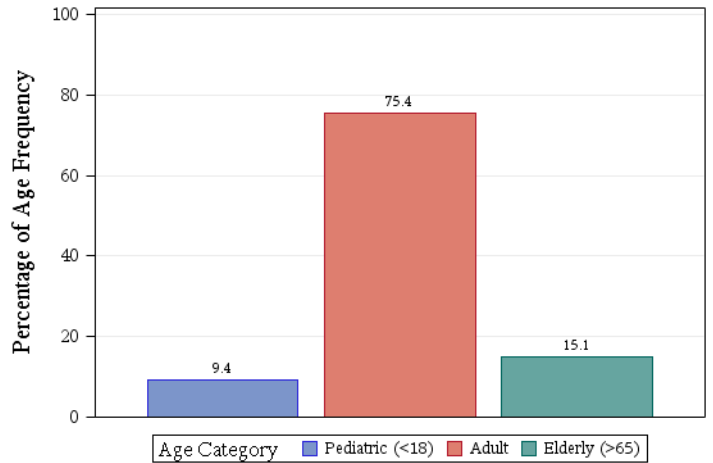
**COI-MVC Nonfatal Incidents and Fatal Incidents**



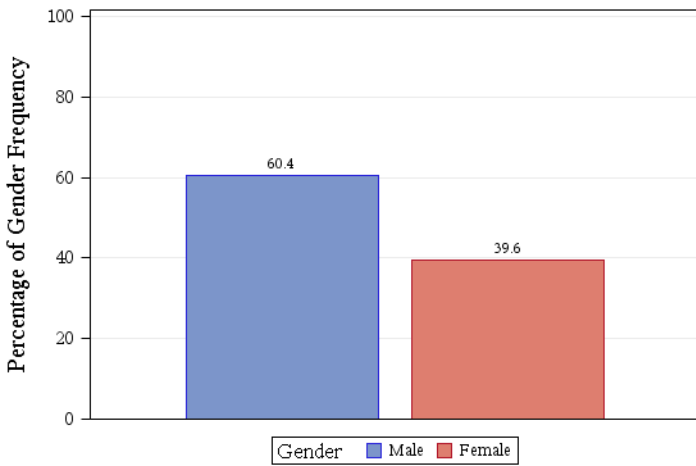
### Race



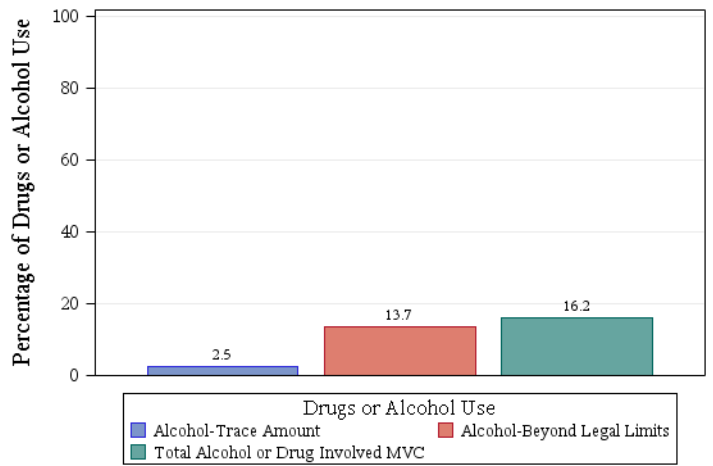
### Age



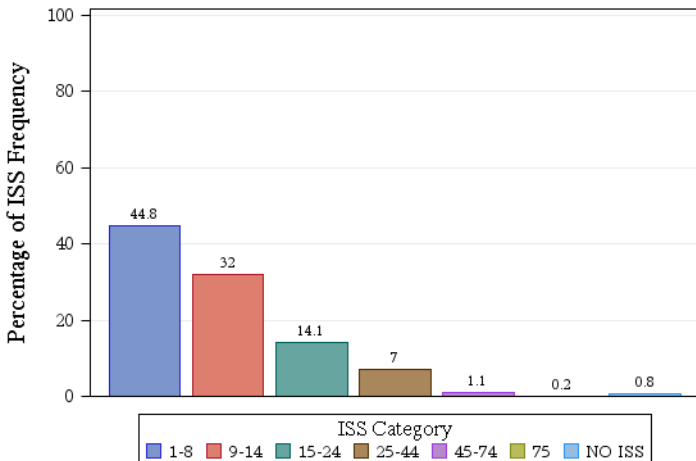
### Gender



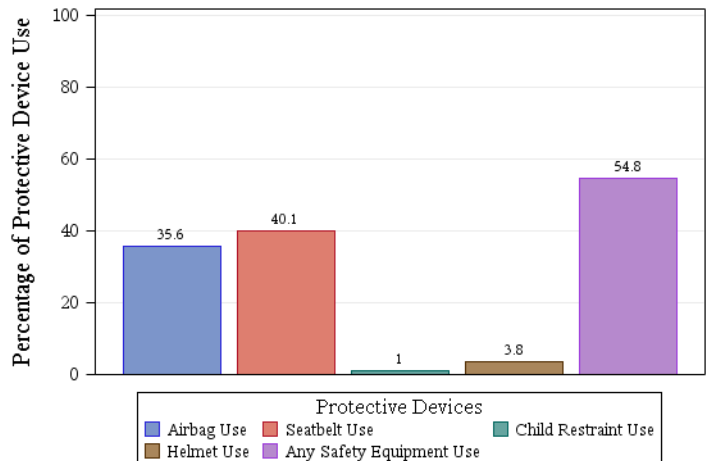
### Drug & Alcohol Use



### Injury Severity Score

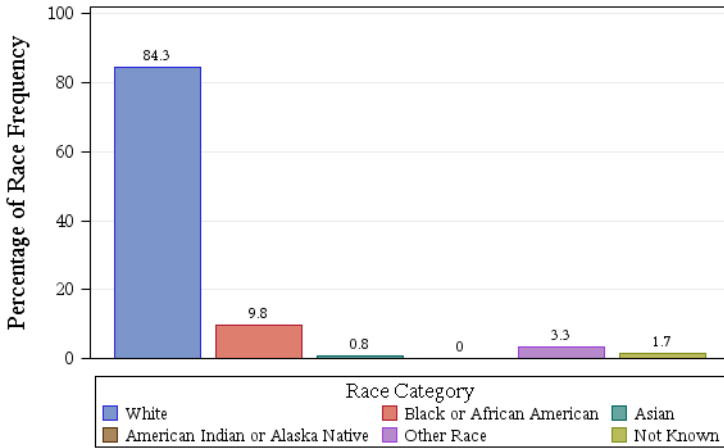


### Protective Devices

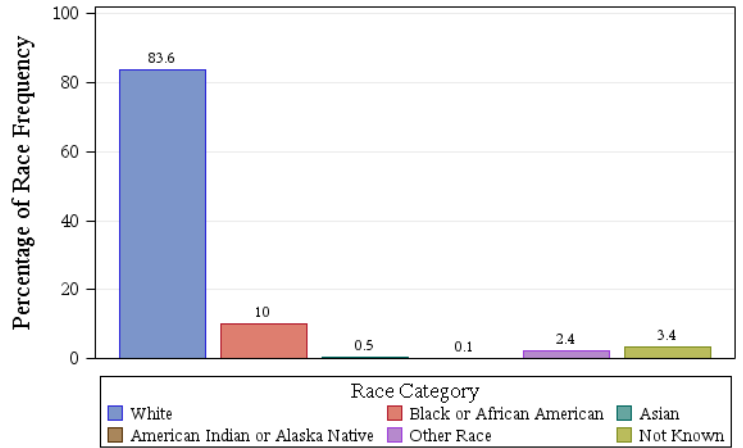


Injury Severity Score (ISS) is a measure of how bad the injury is. Scores over 15 are considered major trauma. A score of 75 is considered not survivable.

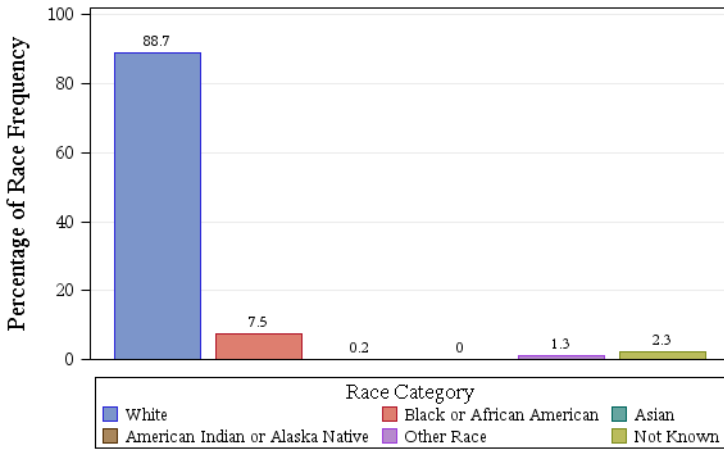
**2012**



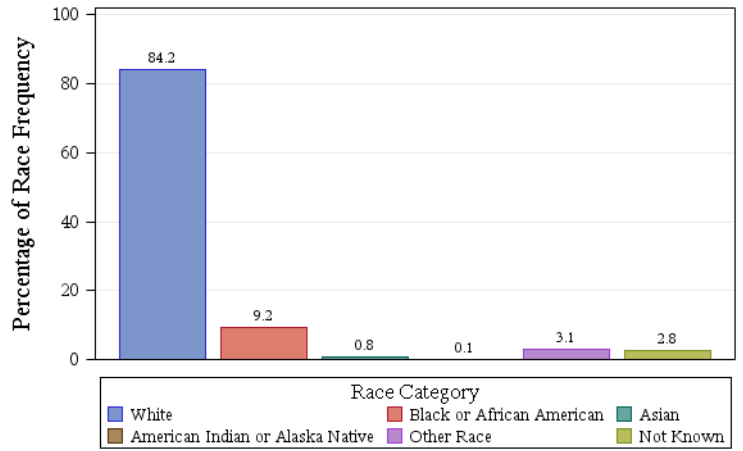
**2013-2014**



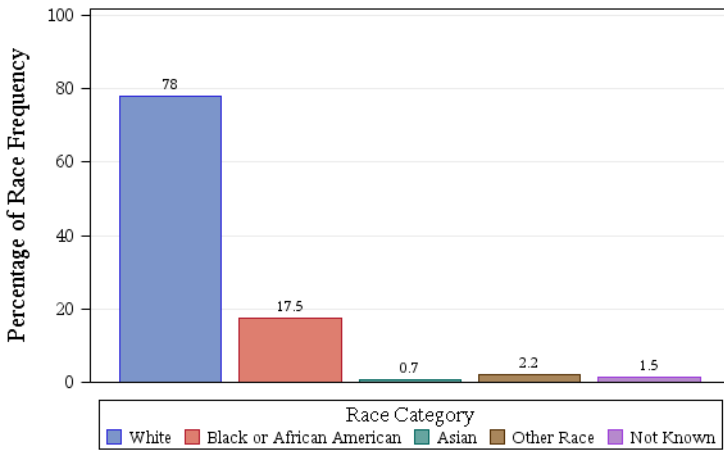
**Motorcycle  
2012-2014**



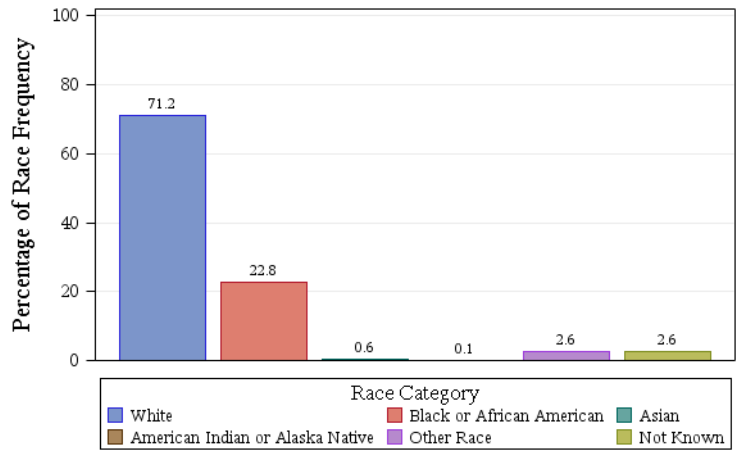
**Automobile  
2012-2014**



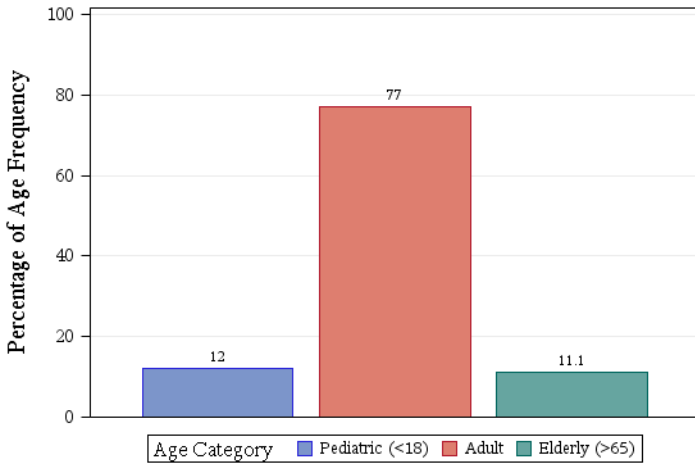
**Bicyclist  
2012-2014**



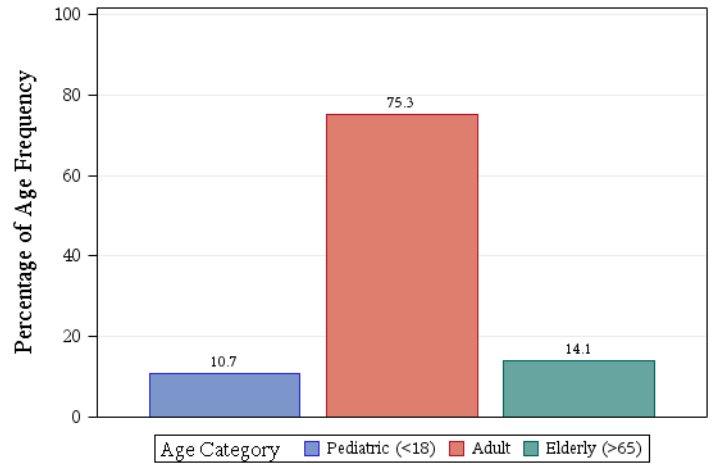
**Pedestrian  
2012-2014**



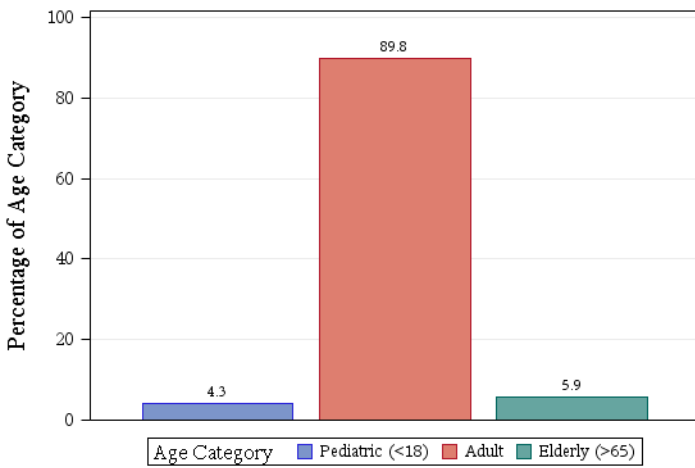
2012



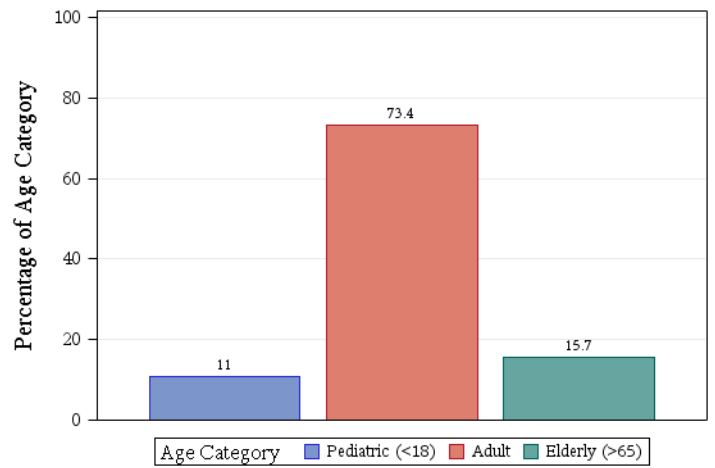
2013-2014



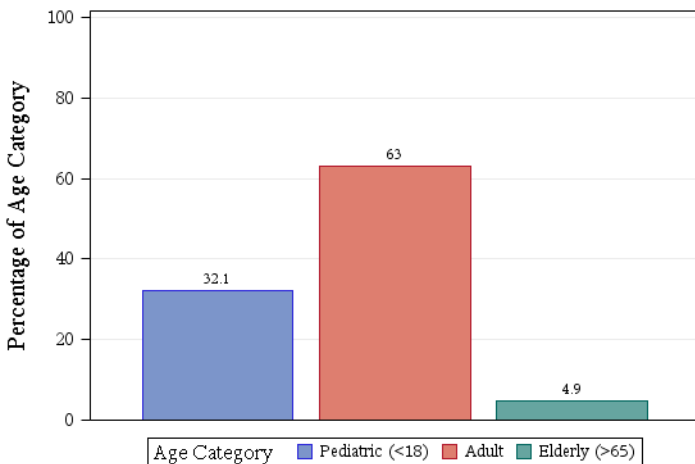
Motorcycle  
2012-2014



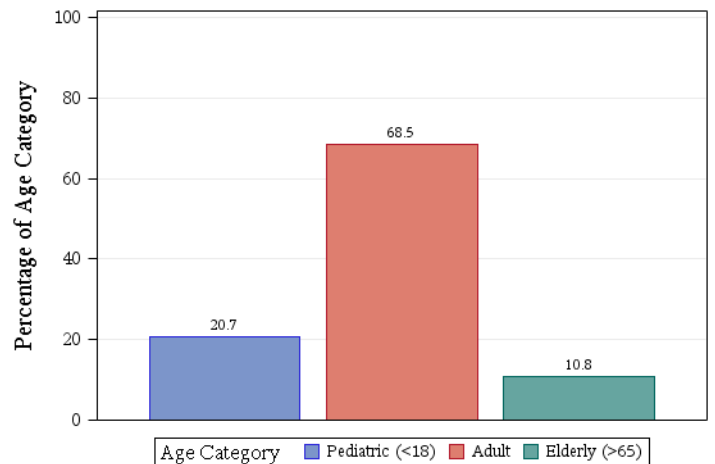
Automobile  
2012-2014



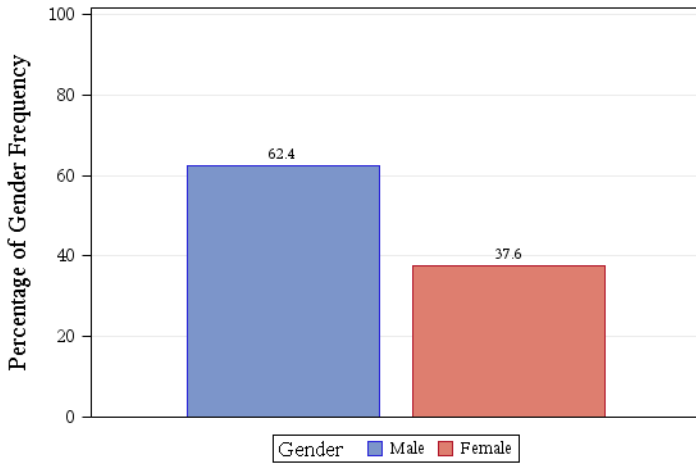
Bicyclist  
2012-2014



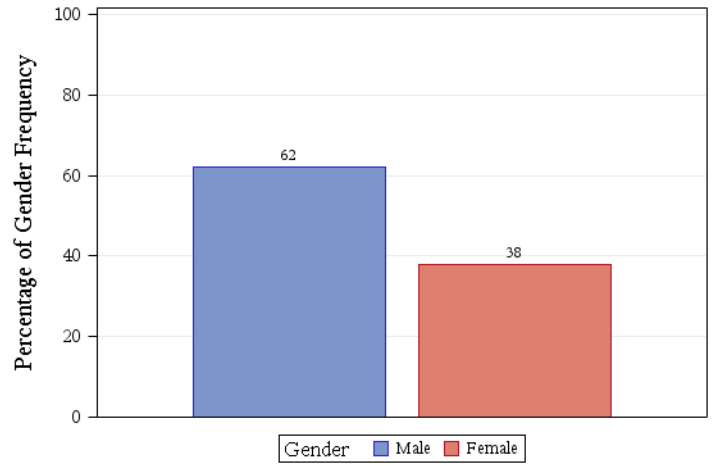
Pedestrian  
2012-2014



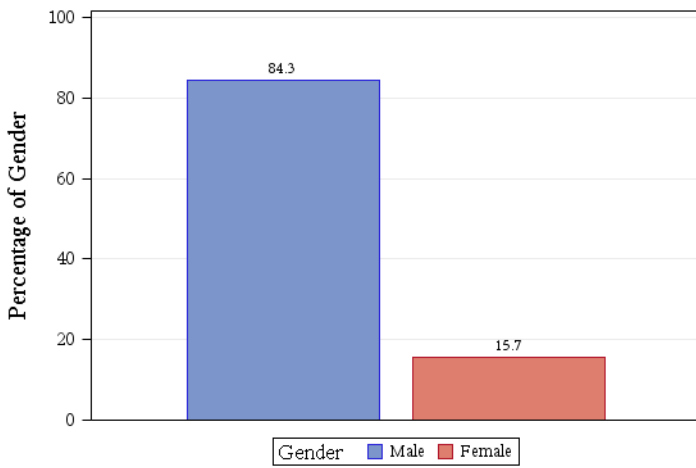
2012



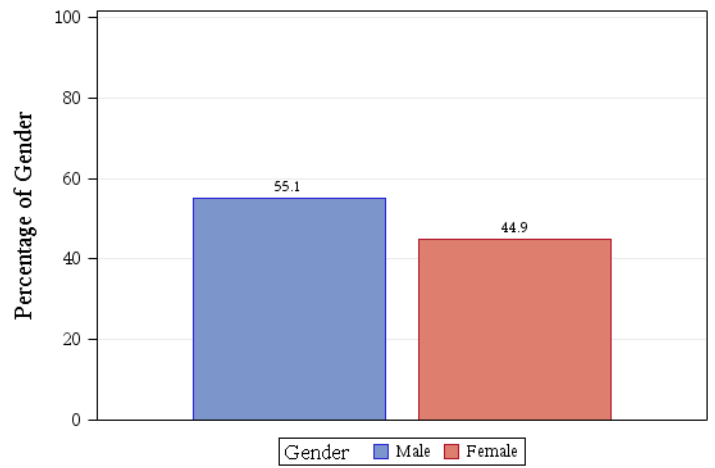
2013-2014



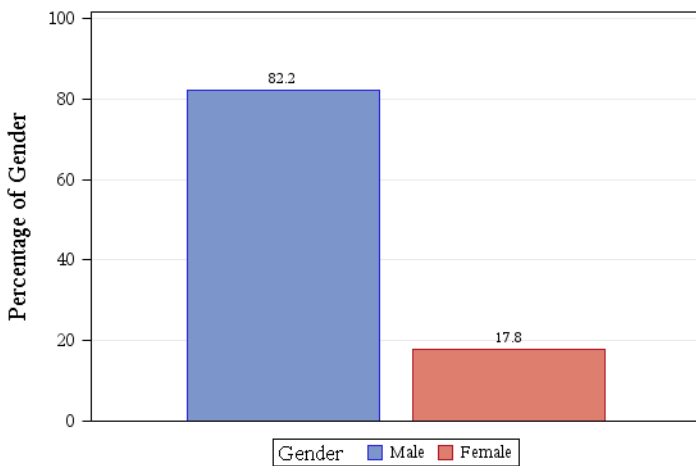
Motorcycle  
2012-2014



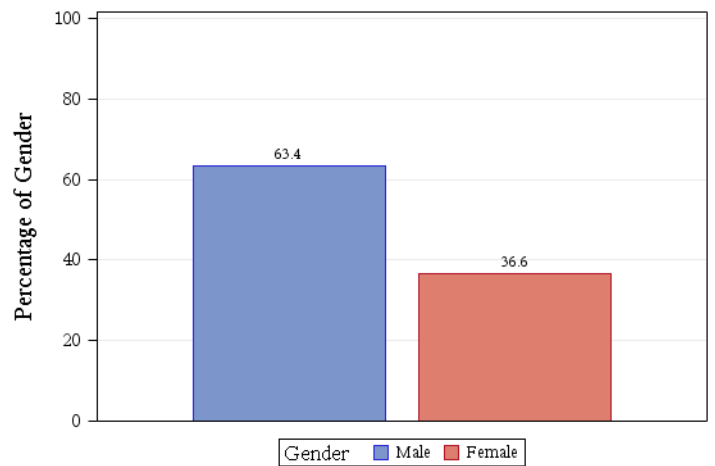
Automobile  
2012-2014



Bicyclist  
2012-2014



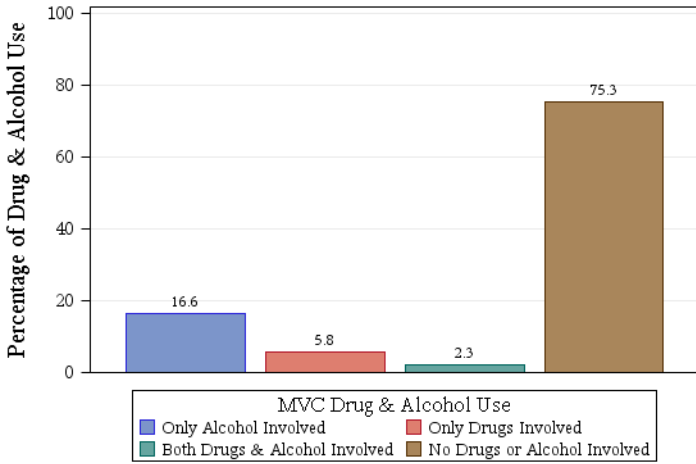
Pedestrian  
2012-2014



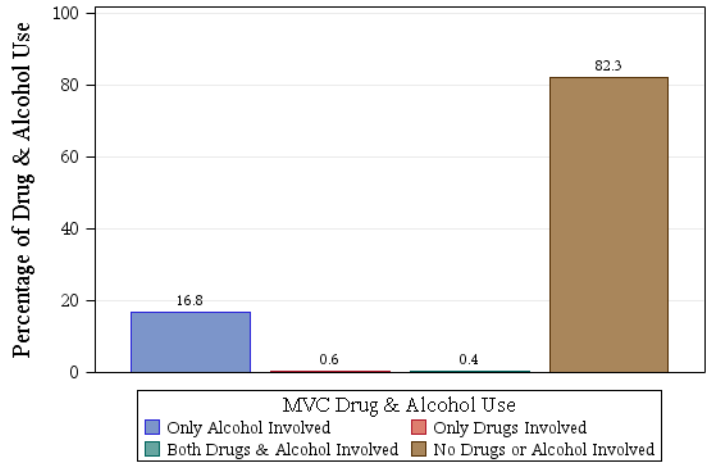


**January 2012 to July 2015 18039 Incidents**  
**Drug & Alcohol Use- Motor Vehicle Collision**

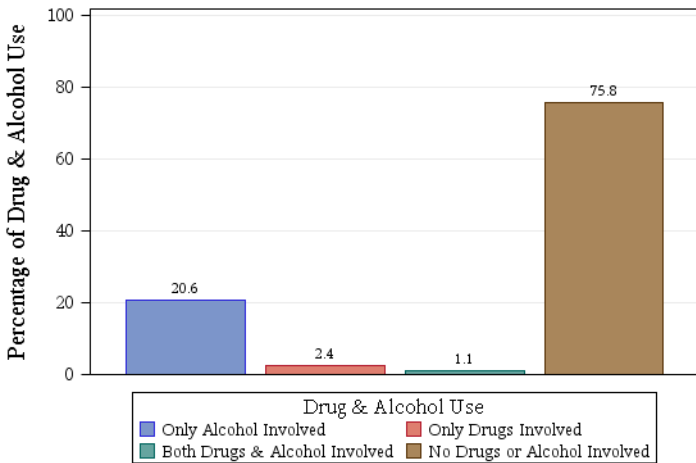
**2012**



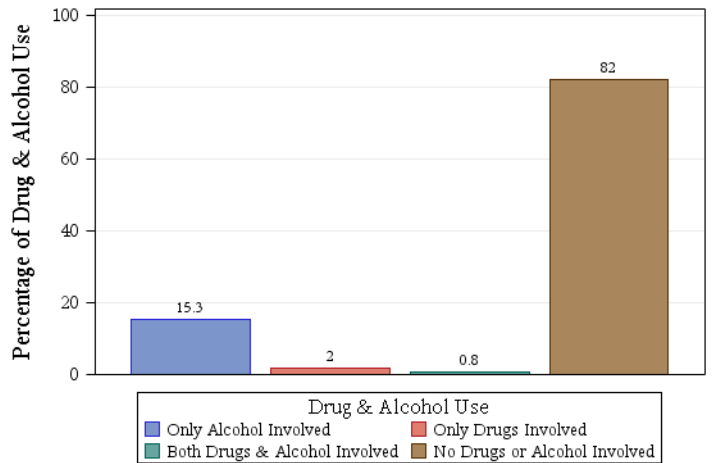
**2013-2014**



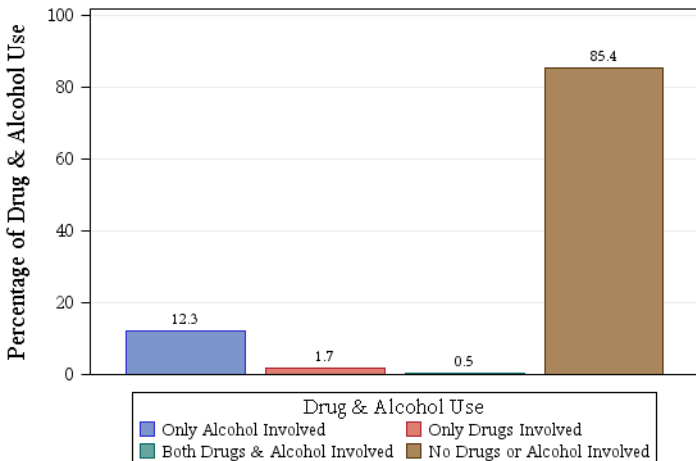
**Motorcycle**  
**2012-2014**



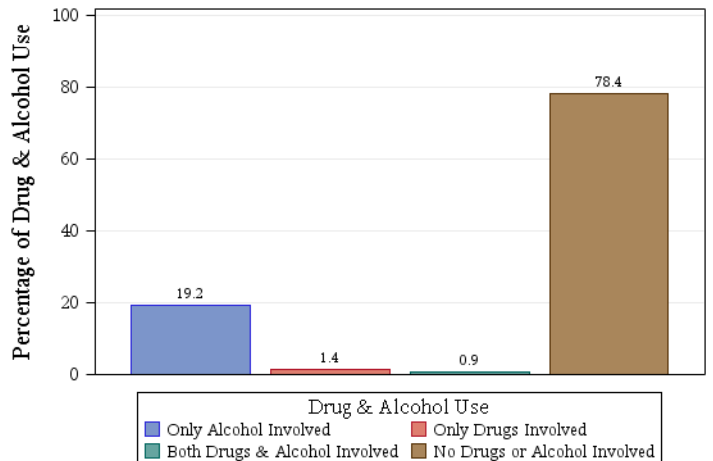
**Automobile**  
**2012-2014**



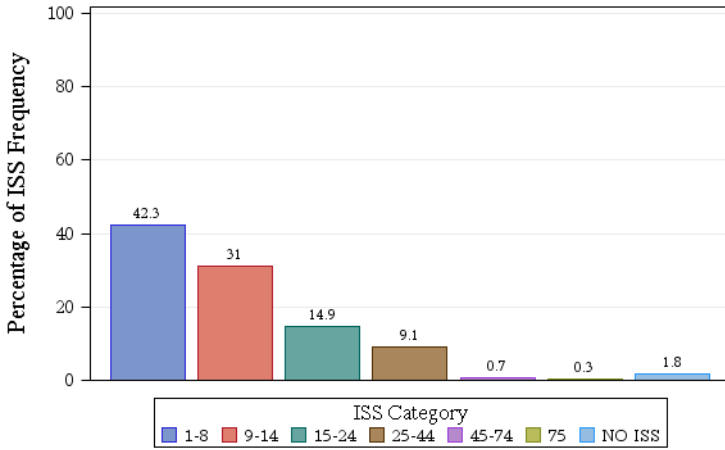
**Bicyclist**  
**2012-2014**



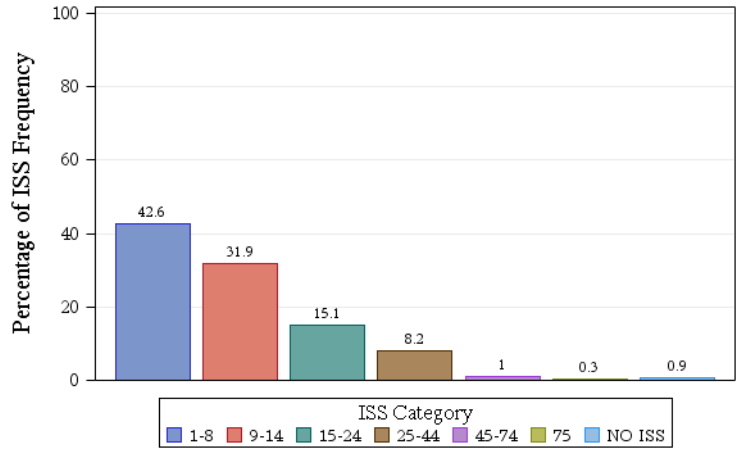
**Pedestrian**  
**2012-2014**



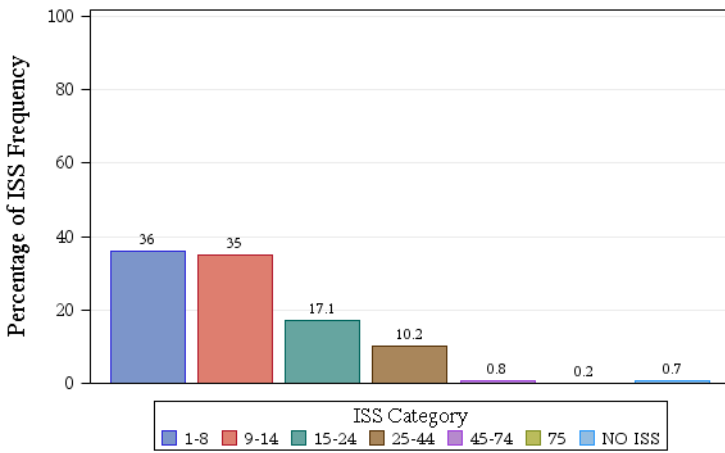
**2012**



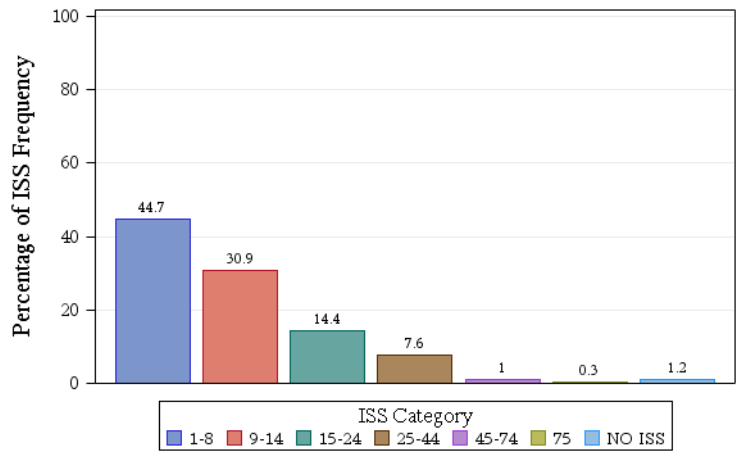
**2013-2014**



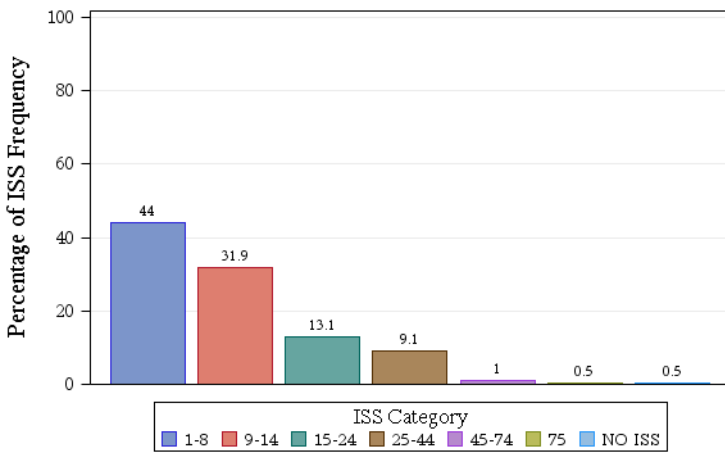
**Motorcycle  
2012-2014**



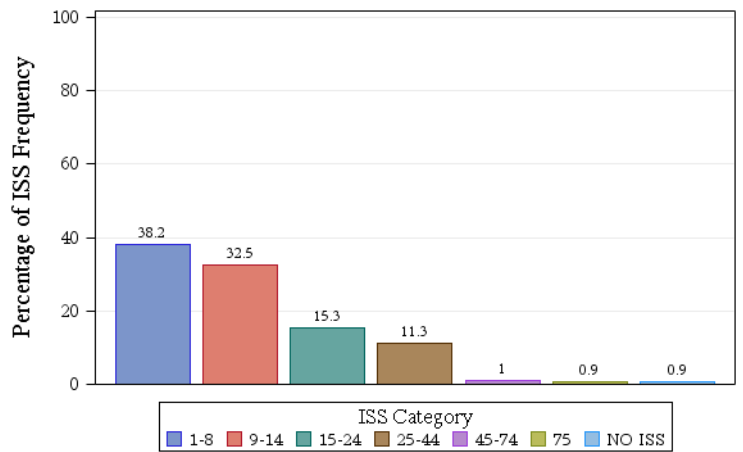
**Automobile  
2012-2014**



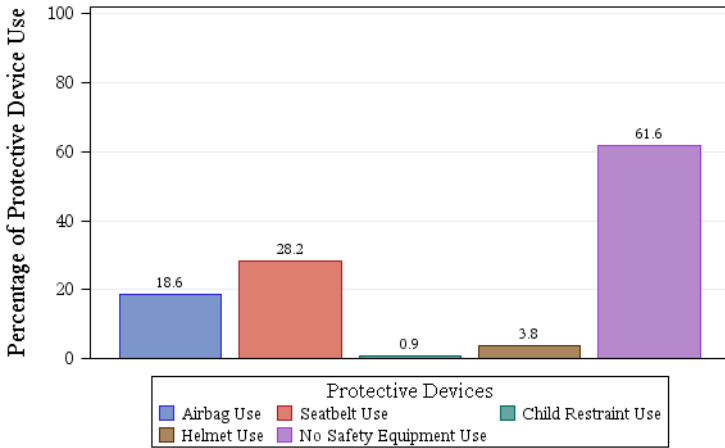
**Bicyclist  
2012-2014**



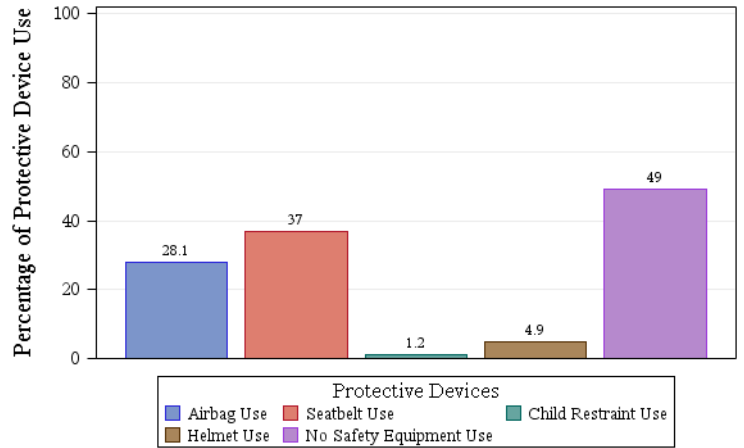
**Pedestrian  
2012-2014**



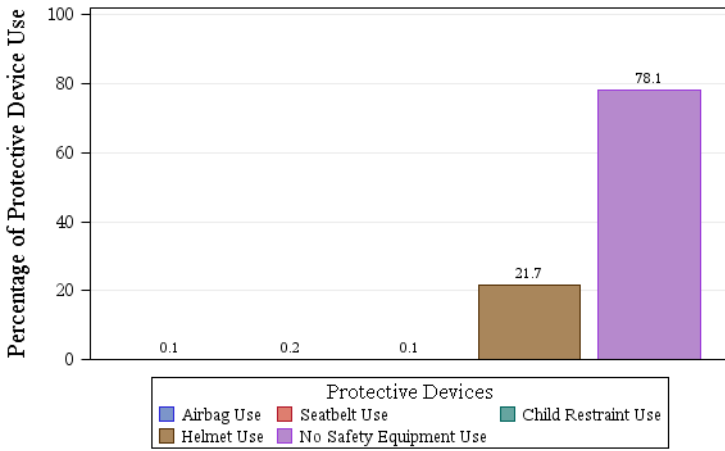
**2012**



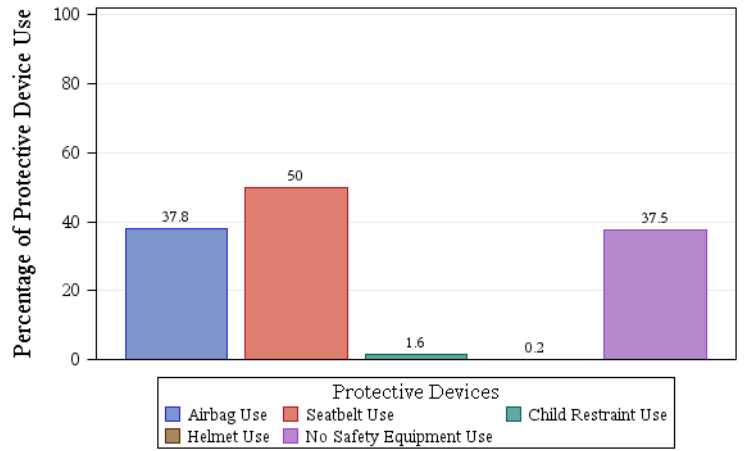
**2013-2014**



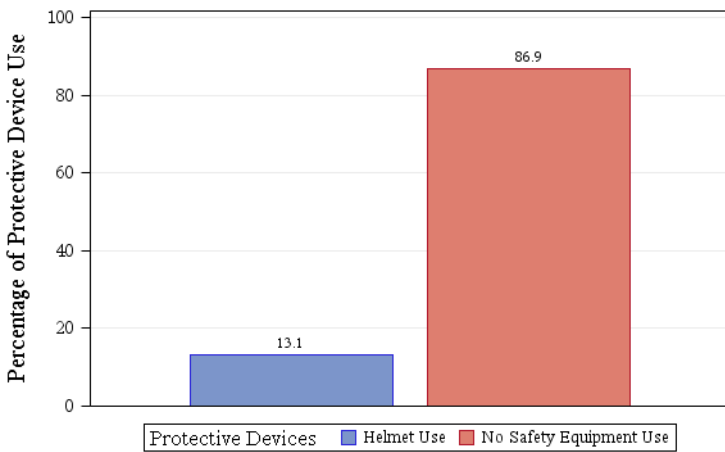
**Motorcycle  
2012-2014**



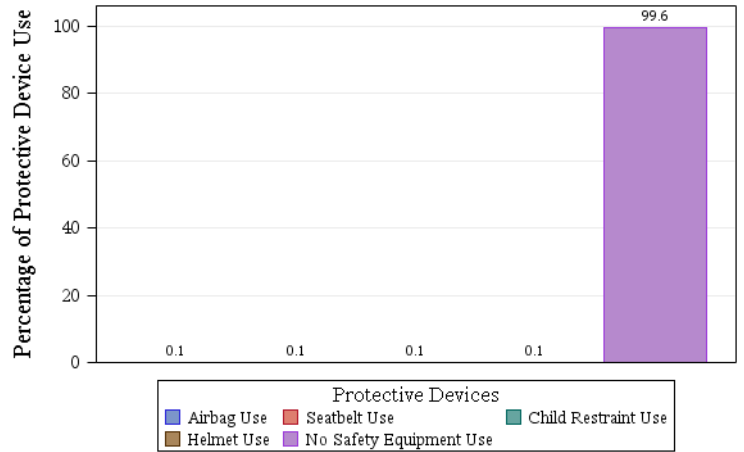
**Automobile  
2012-2014**



**Bicyclist  
2012-2014**



**Pedestrian  
2012-2014**



**Indiana Trauma Registry, August 1, 2014 - July 31, 2015**  
**MVC involving Drugs or Alcohol By Public Health Preparedness Districts**

