

On September 5th, Murray Lawry (EMS Registry Manager) and Katie Gatz (Division Director) led training on the Trauma Registry at the Indiana State Department of Health (ISDH). 10 participants from 6 hospitals and 2 participants from 2 EMS services attended the training.

Ramzi Nimry, Trauma System Performance Improvement Manager (aka Trauma Registry Manager), began working at the ISDH on September 15th.

On September 23rd Katie Gatz and Ramzi Nimry attended the St. Anthony Crown Point trauma symposium.

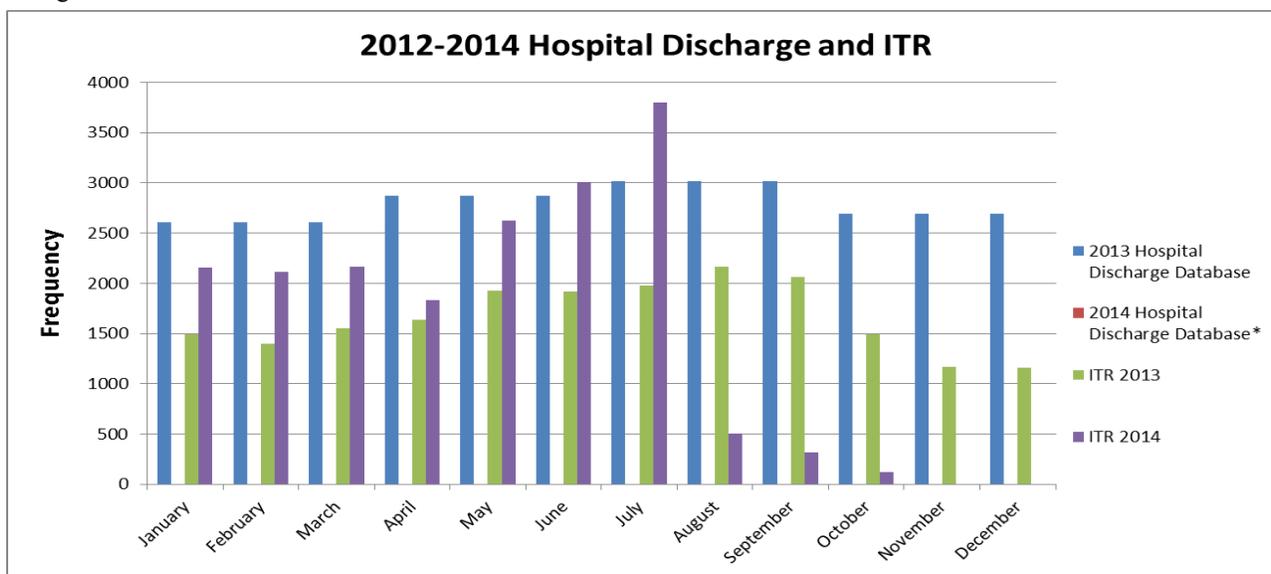
The 2013 data presented in this report is now complete.

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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).

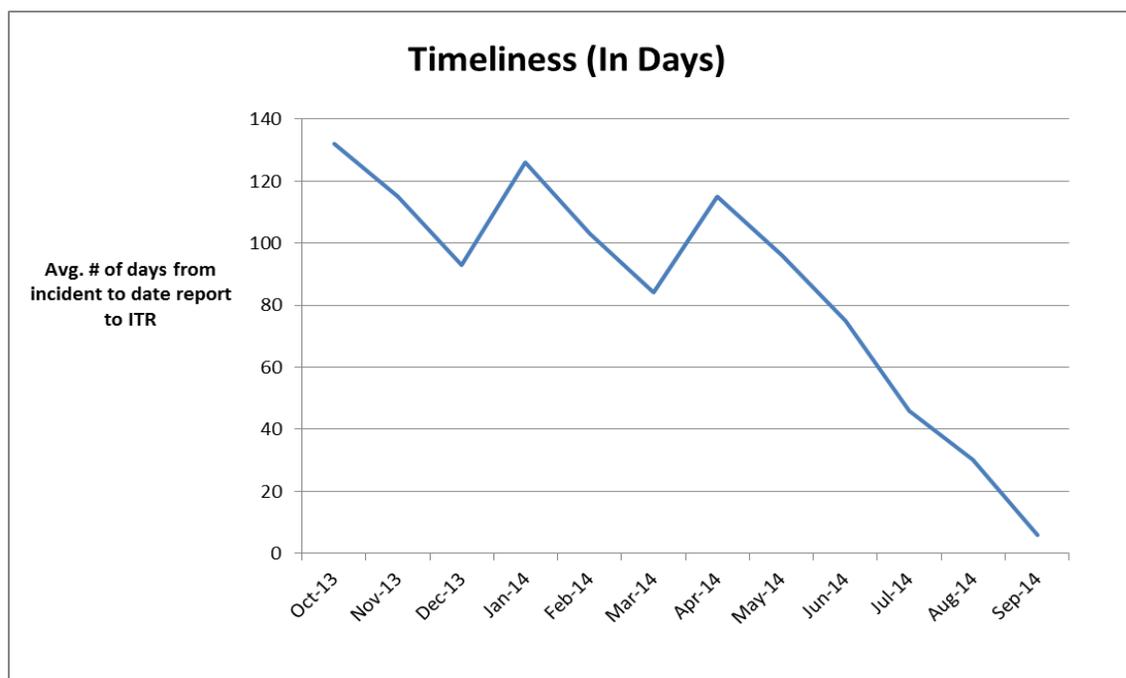
### Completeness

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. 2014 Hospital Discharge data is not available to the ISDH at this time.



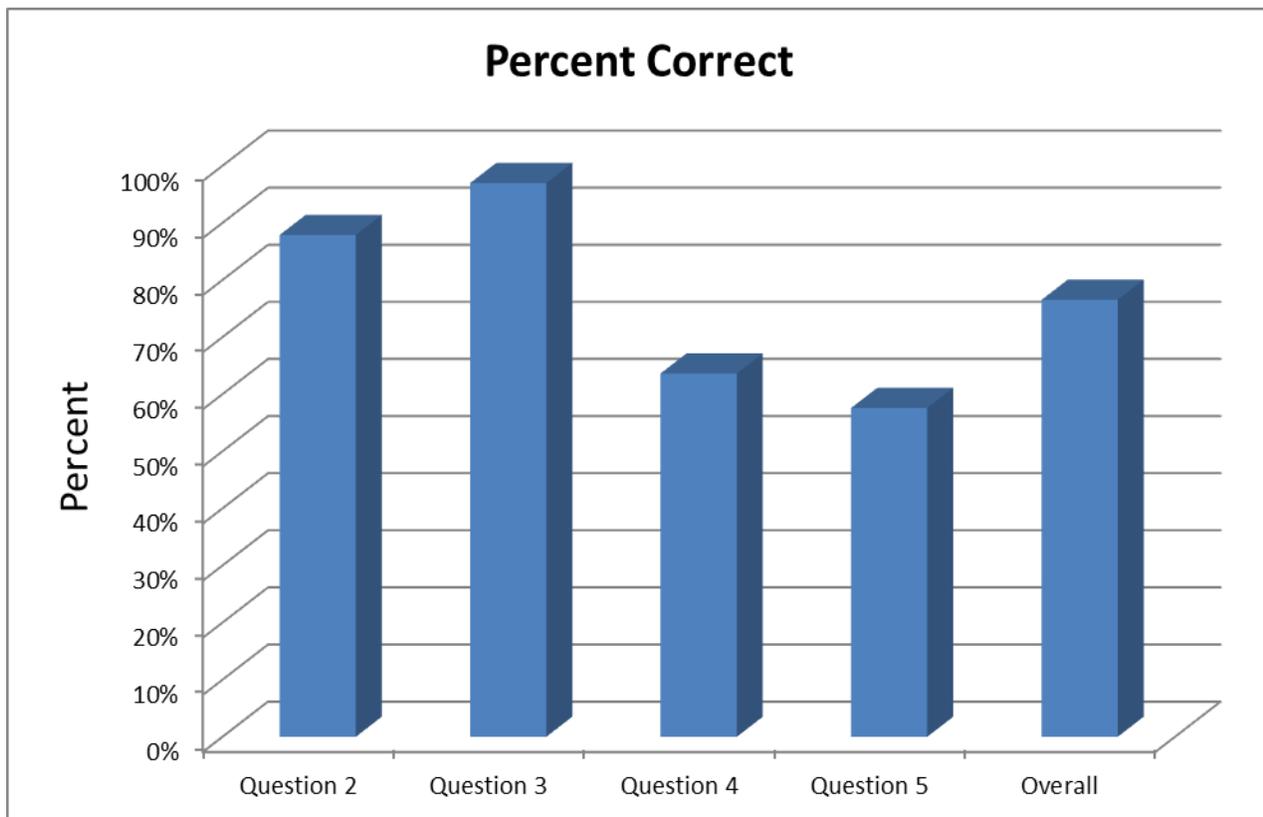
Timeliness increases as facilities wait until the data submission deadline to submit data to the ITR. Hospitals are asked to report data on the national trauma (TQIP) reporting schedule.

The decrease in timeliness from May 2014 until September 2014 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.



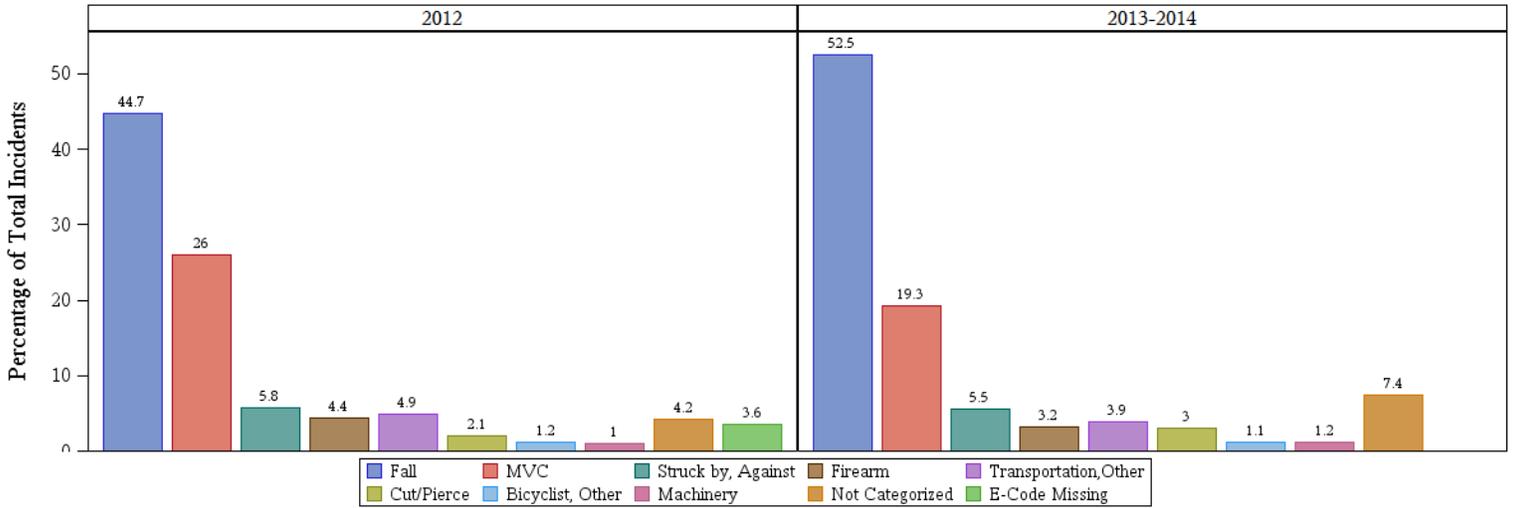
## Uniformity

In September we sent out the eighth monthly quiz for the inter-rater reliability study. Thirty-three registrars completed the quiz from 28 hospitals. The percent of correct answers was 77% for the entire quiz and the average free-marginal Kappa (measure of consistency) 0.66. 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.



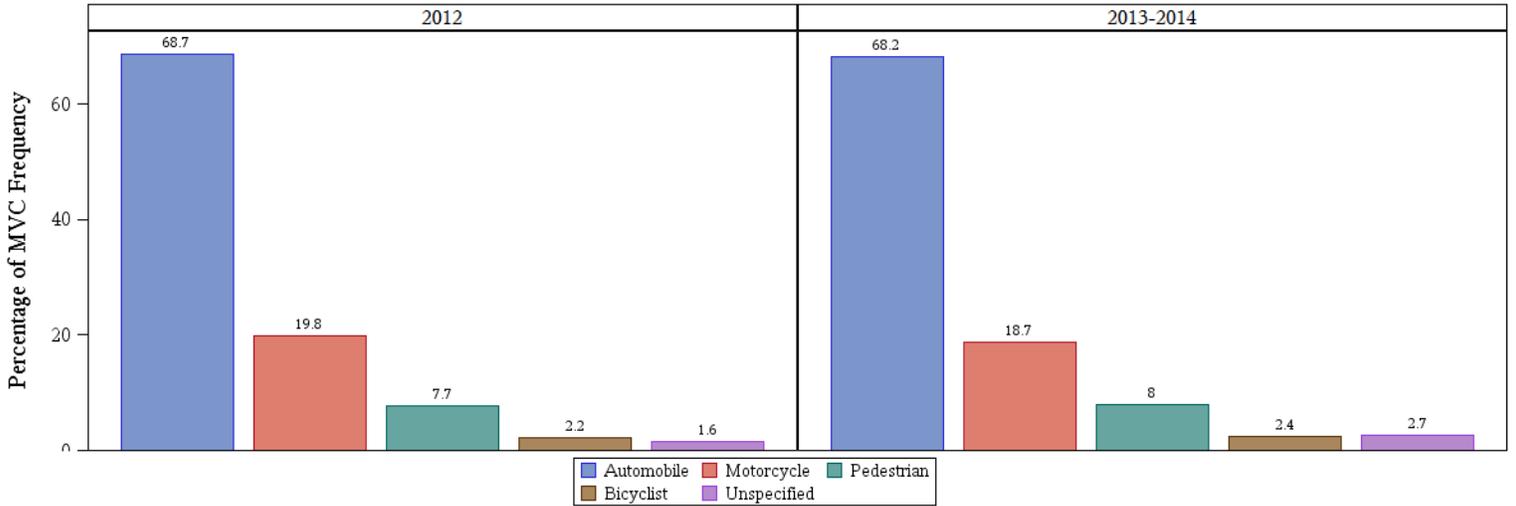
## Integration

The percent of linked trauma cases that were transported by EMS services was 46.3%. This percent is calculated on a quarterly basis. The next percent will be calculated from Q2 2014 data, which will be presented in October 2014. This percentage is part of the baseline measurement from which we will track changes over the next year.

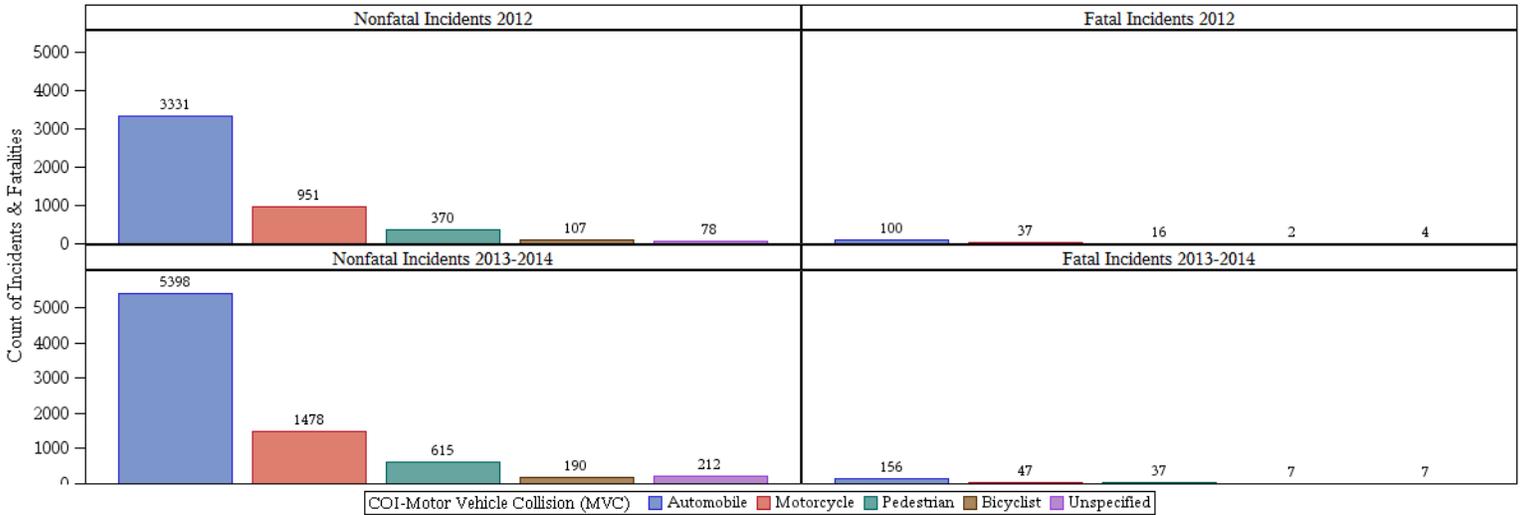


<1% of COI: Pedestrian (Other), Natural/Environmental, Overexertion, Fire/Burn, and Bites/Stings

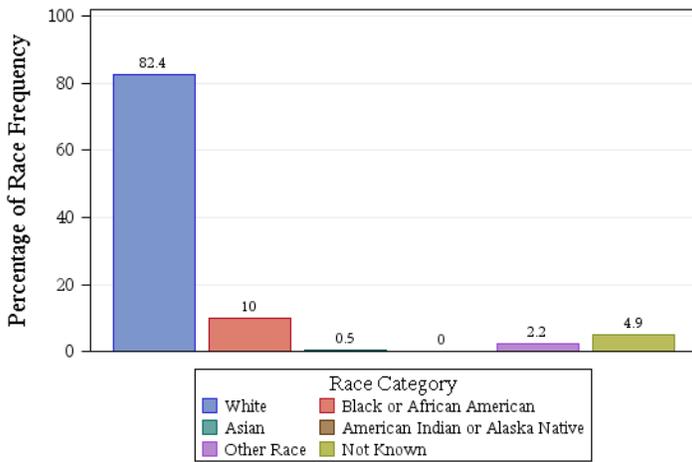
**COI-Motor Vehicle Collision (MVC)**



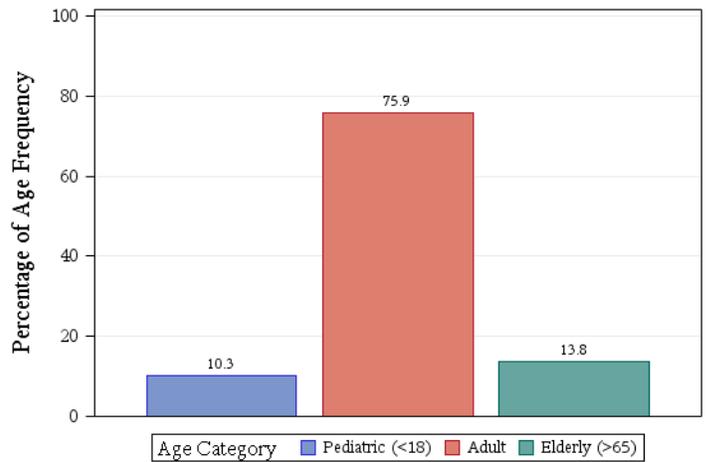
**COI-MVC Nonfatal Incidents and Fatal Incidents**



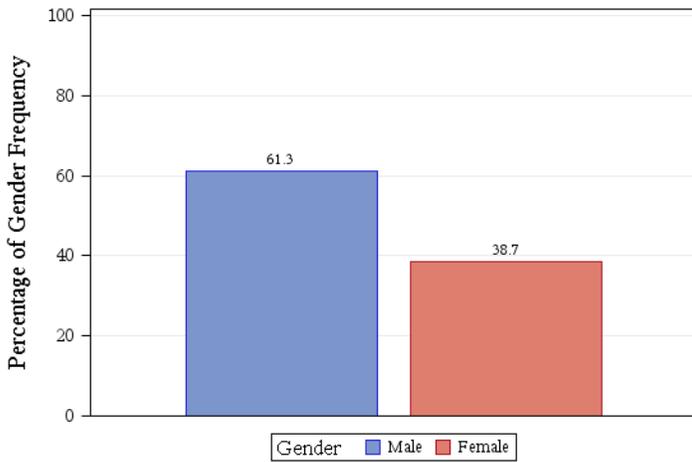
### Race



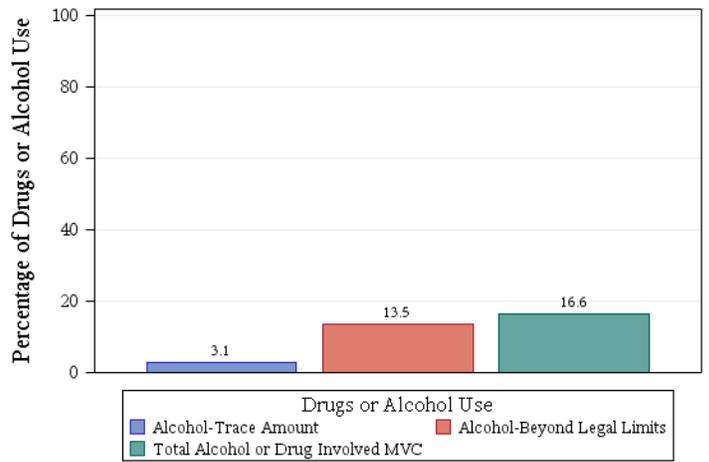
### Age



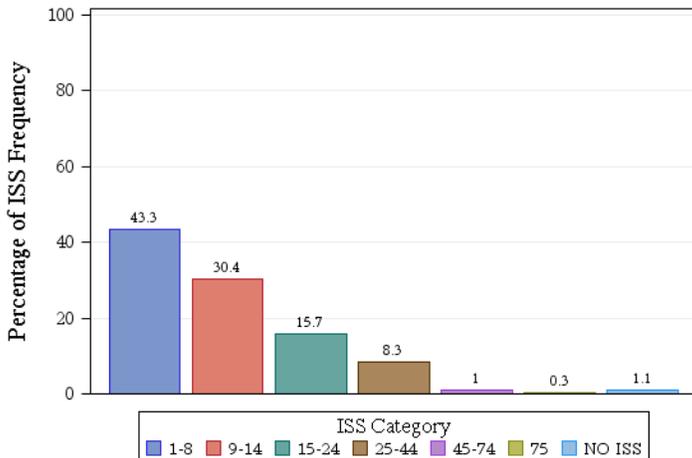
### Gender



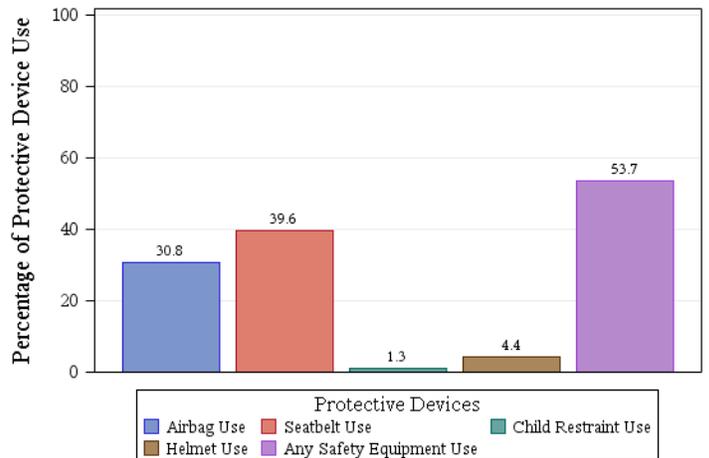
### Drug & Alcohol Use



### Injury Severity Score

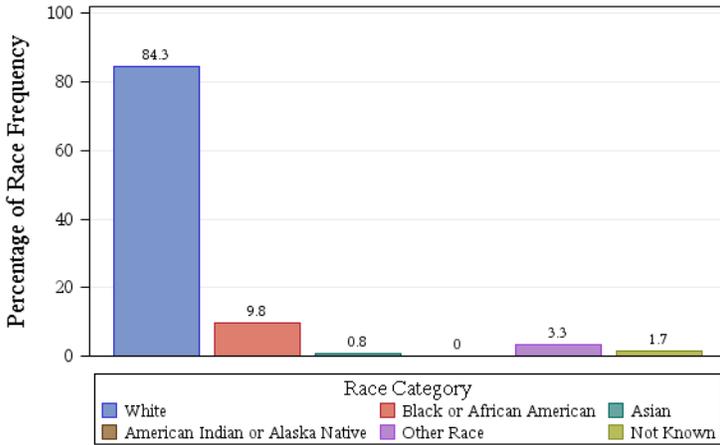


### Protective Devices

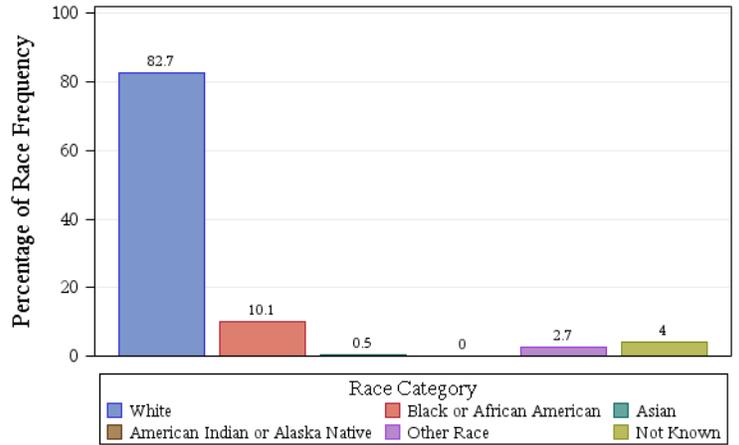


Injury Severity Score (ISS) is a measure of how bad the injury is. Scores over 15 are considered major trauma. A score of 75 is considered not survivable.

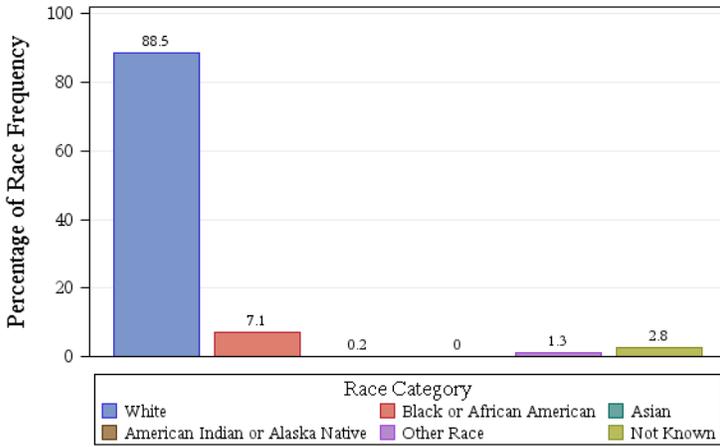
**2012**



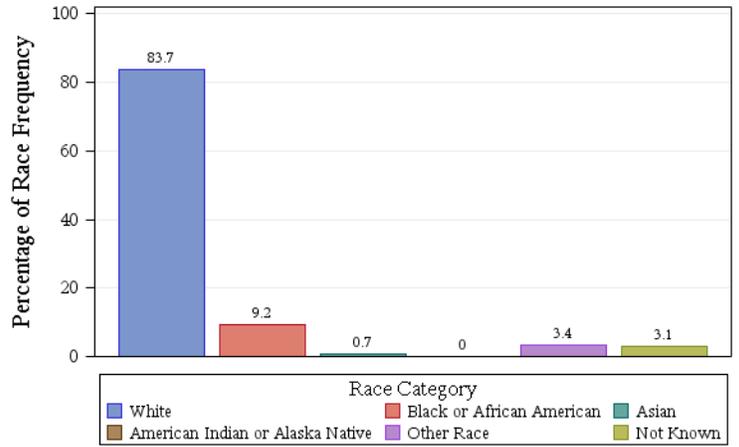
**2013-2014**



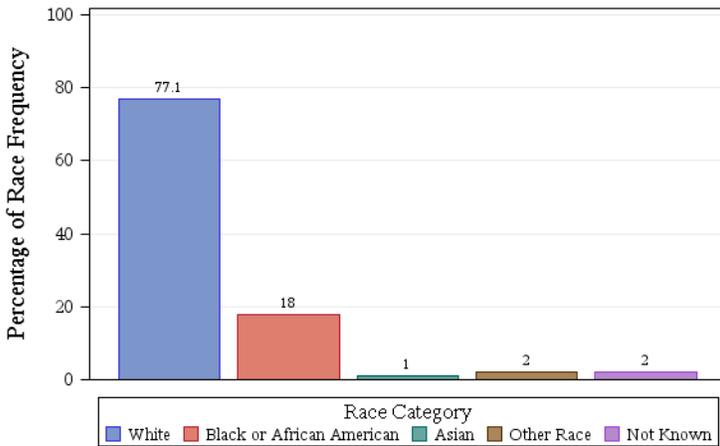
**Motorcycle  
2012-2014**



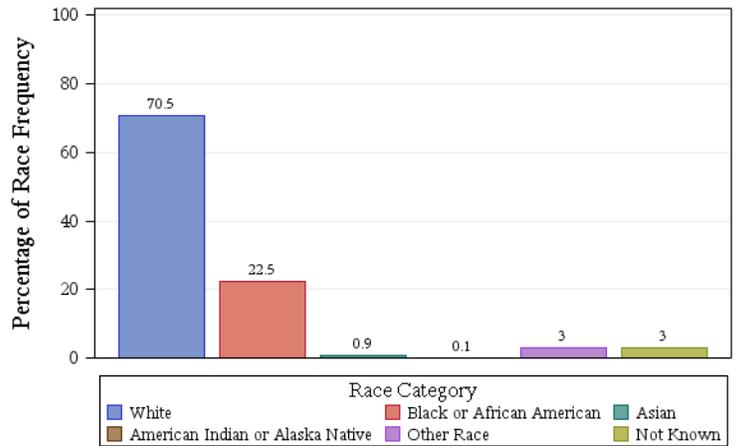
**Automobile  
2012-2014**



**Bicyclist  
2012-2014**

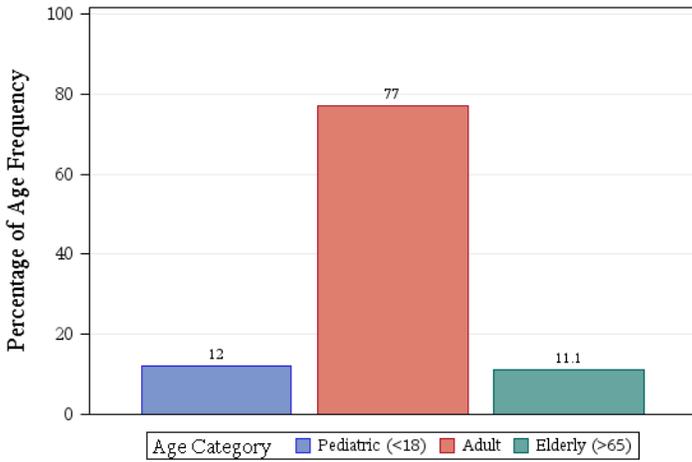


**Pedestrian  
2012-2014**

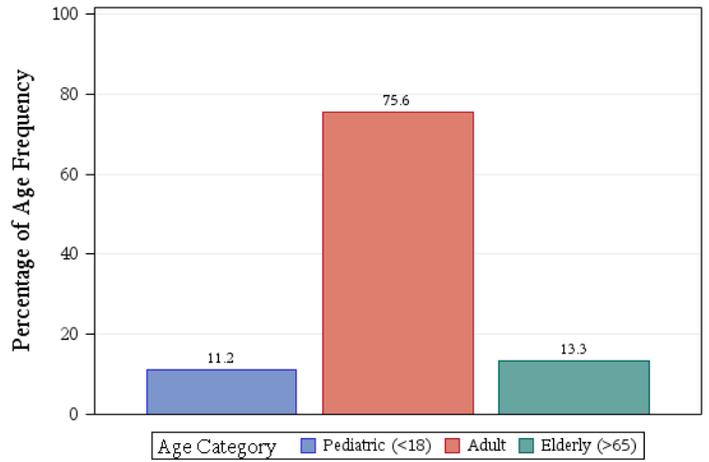


**January 2012 to September 2014      13143 Incidents**  
**Age- Motor Vehicle Collision**

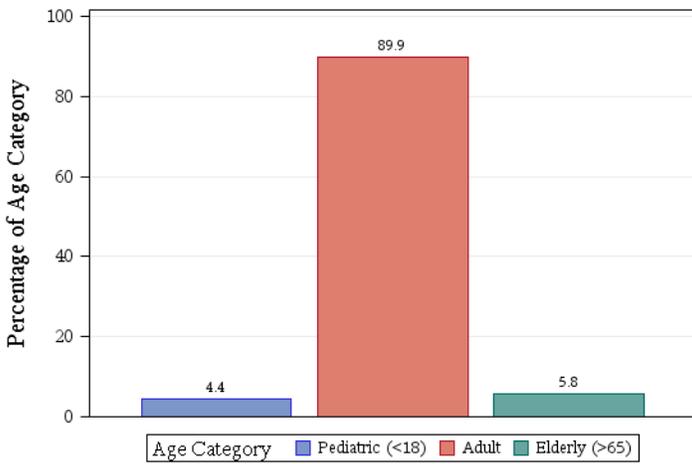
**2012**



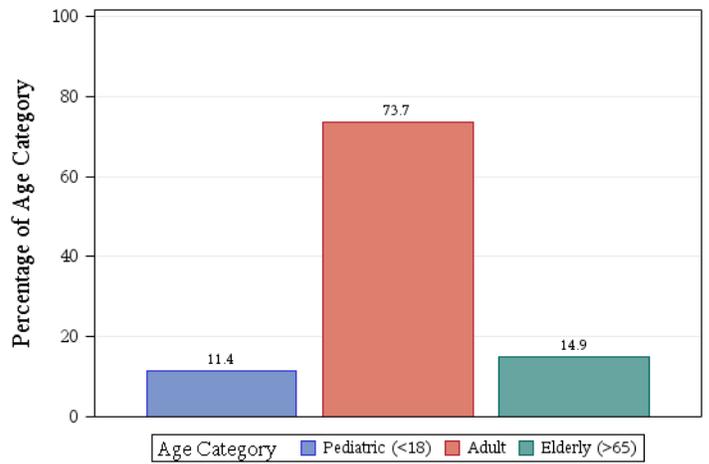
**2013-2014**



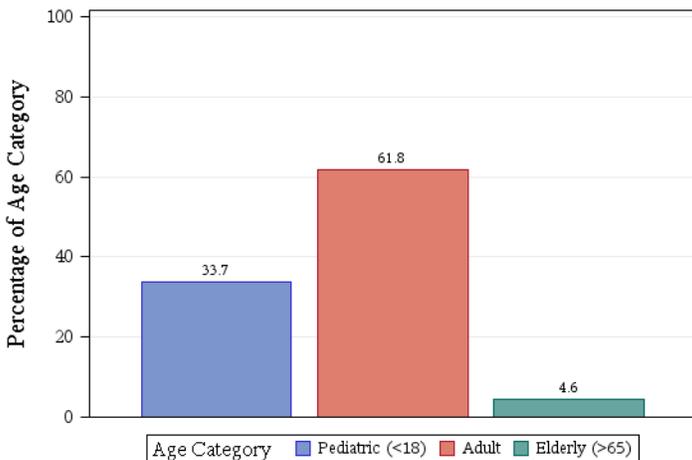
**Motorcycle  
2012-2014**



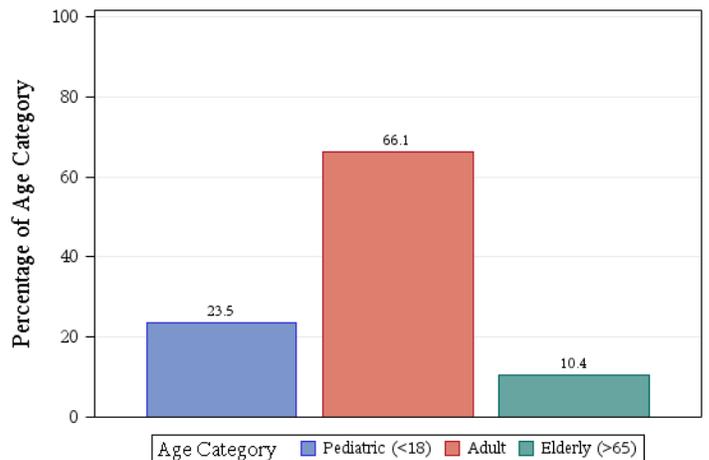
**Automobile  
2012-2014**



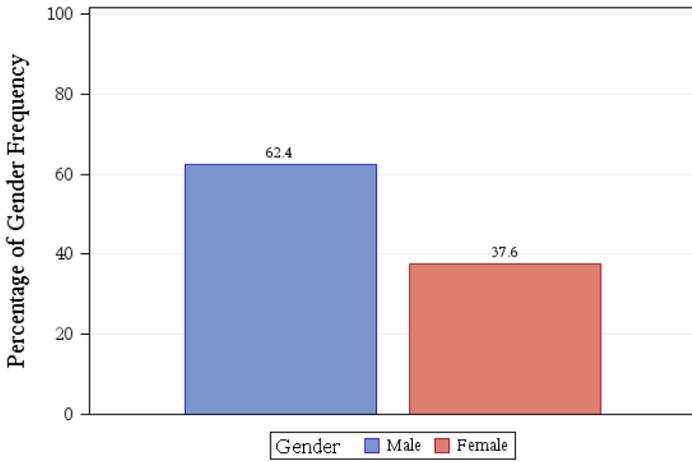
**Bicyclist  
2012-2014**



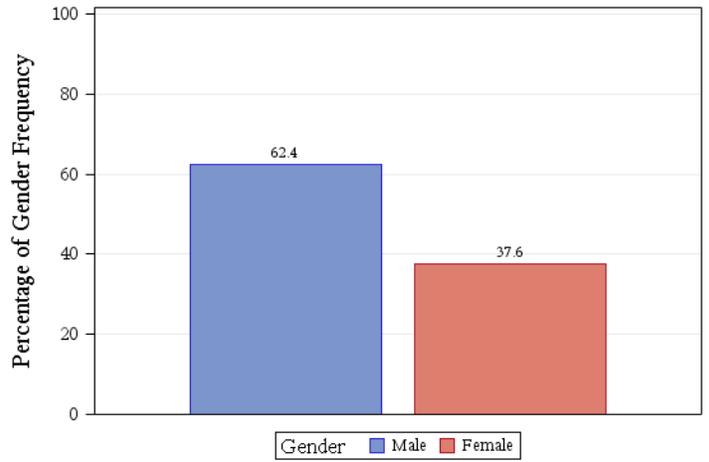
**Pedestrian  
2012-2014**



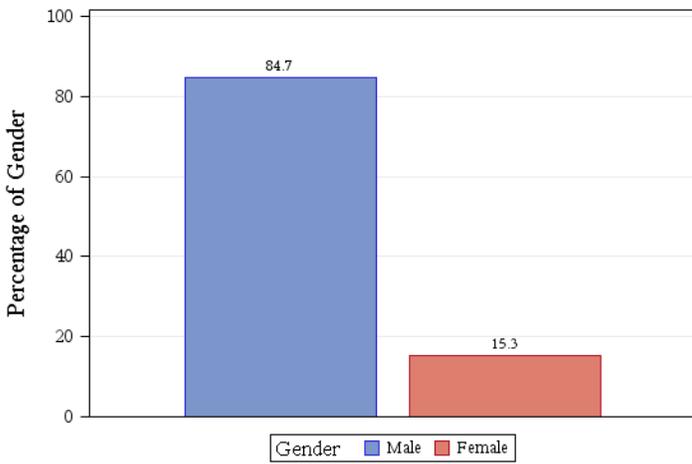
2012



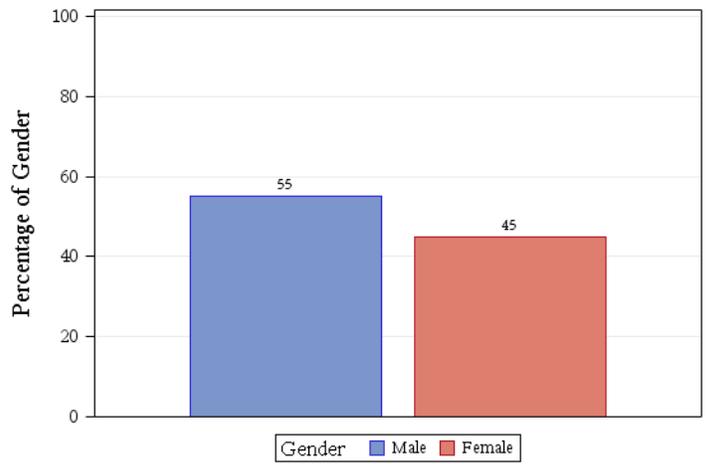
2013-2014



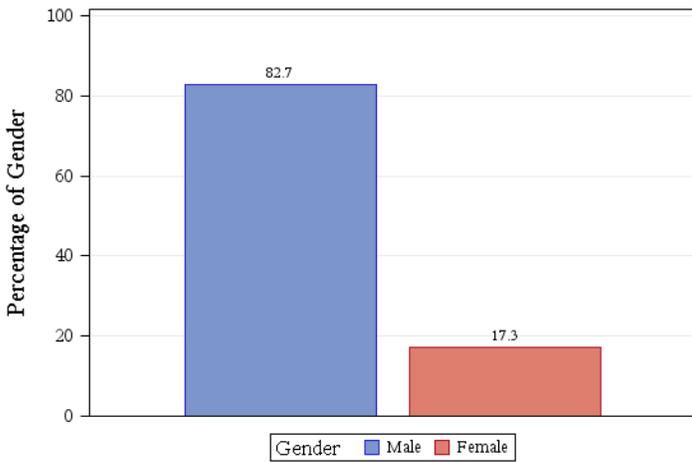
Motorcycle  
2012-2014



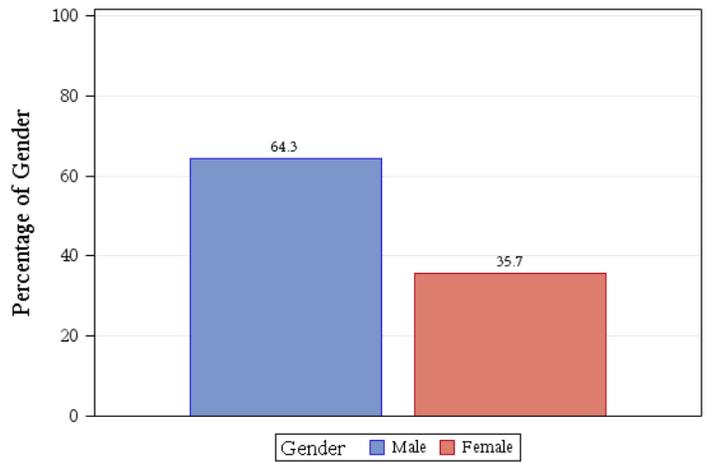
Automobile  
2012-2014



Bicyclist  
2012-2014

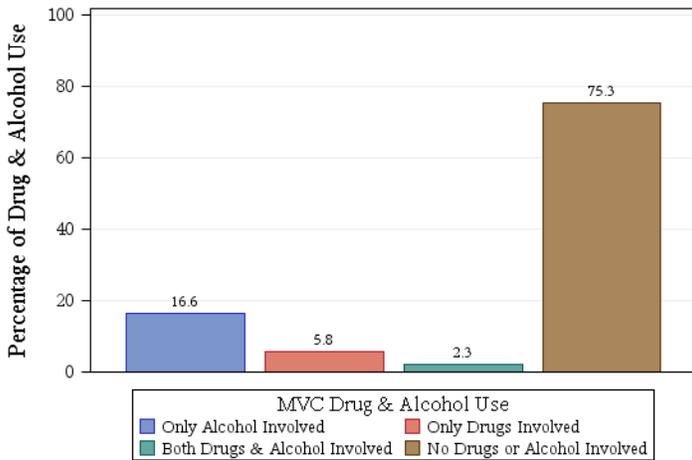


Pedestrian  
2012-2014

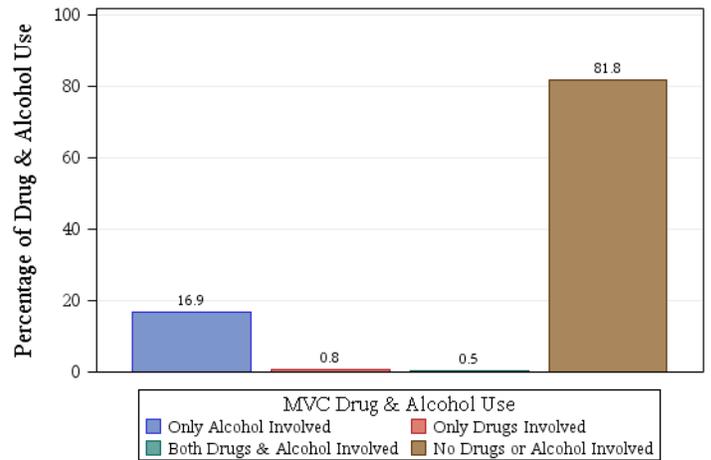


**January 2012 to September 2014      13143 Incidents**  
**Drug & Alcohol Use- Motor Vehicle Collision**

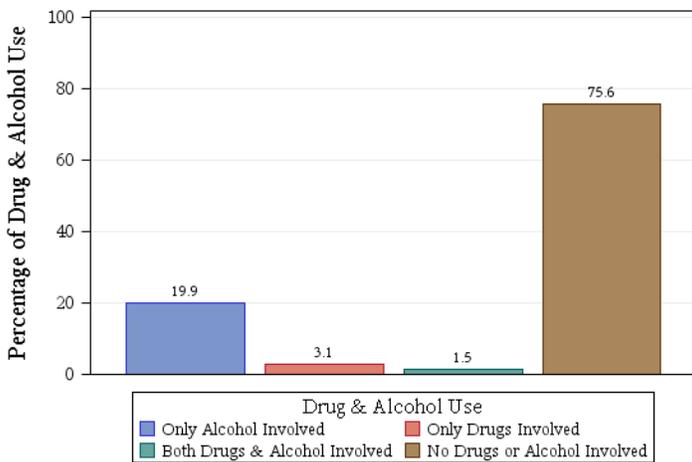
**2012**



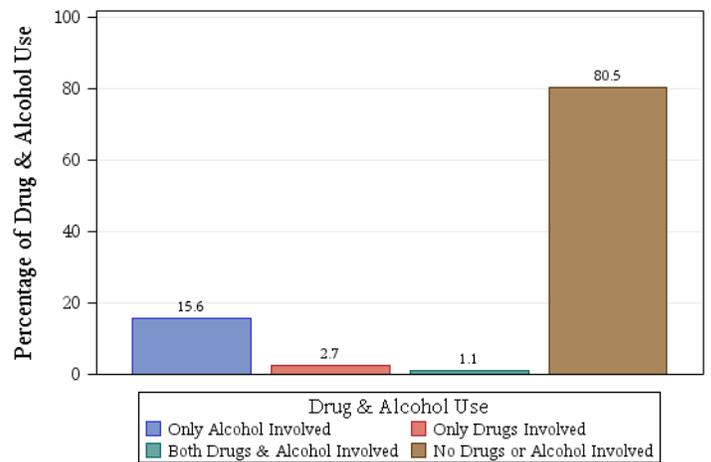
**2013-2014**



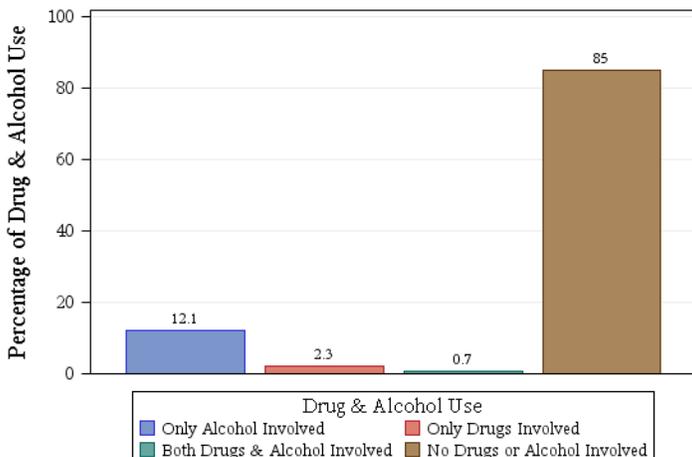
**Motorcycle  
2012-2014**



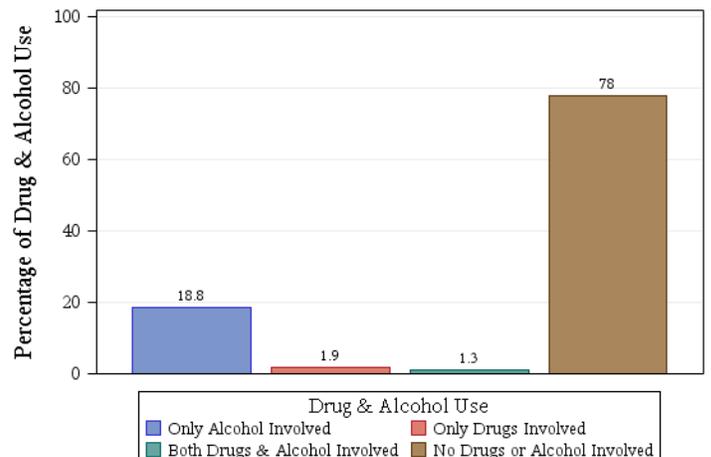
**Automobile  
2012-2014**



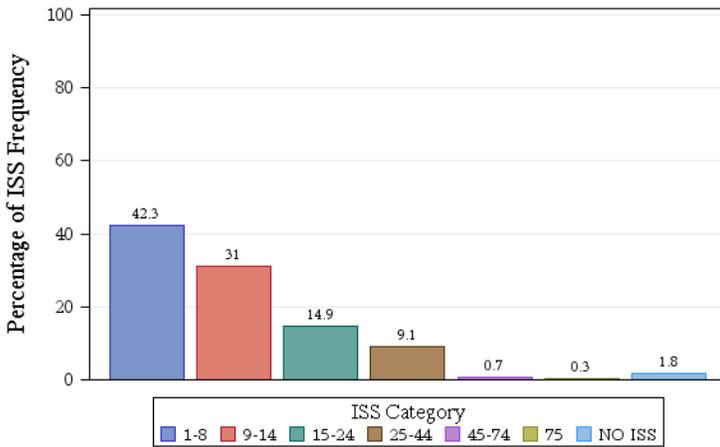
**Bicyclist  
2012-2014**



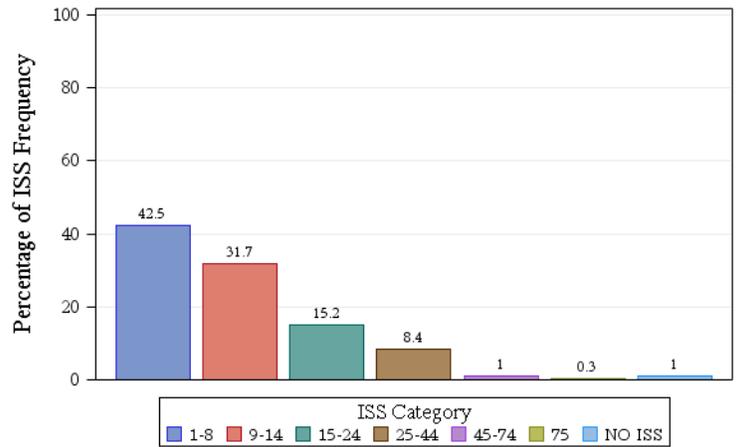
**Pedestrian  
2012-2014**



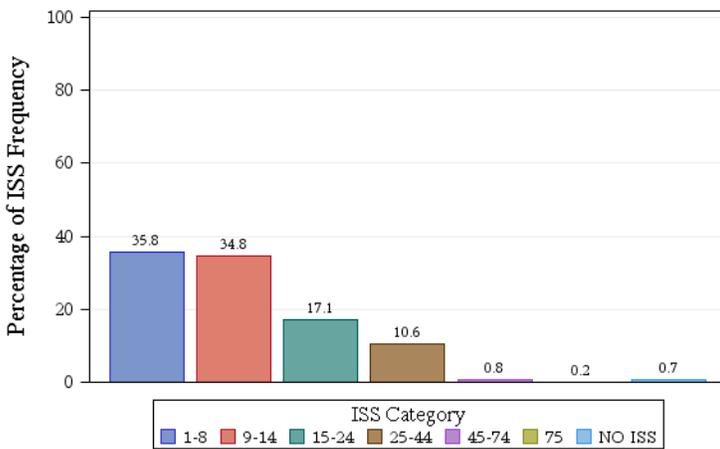
**2012**



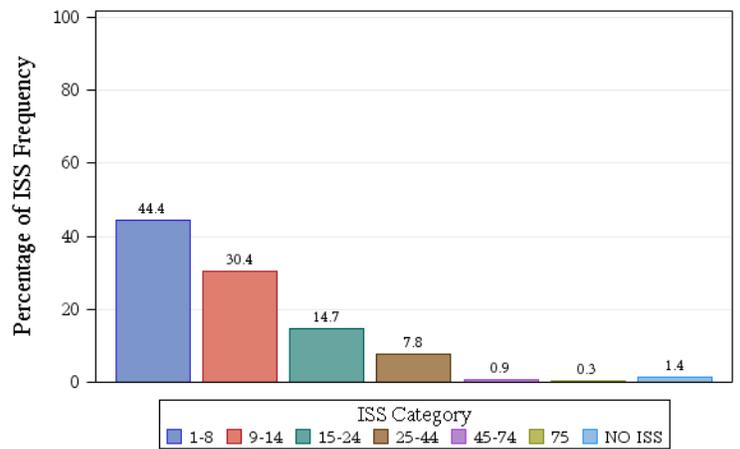
**2013-2014**



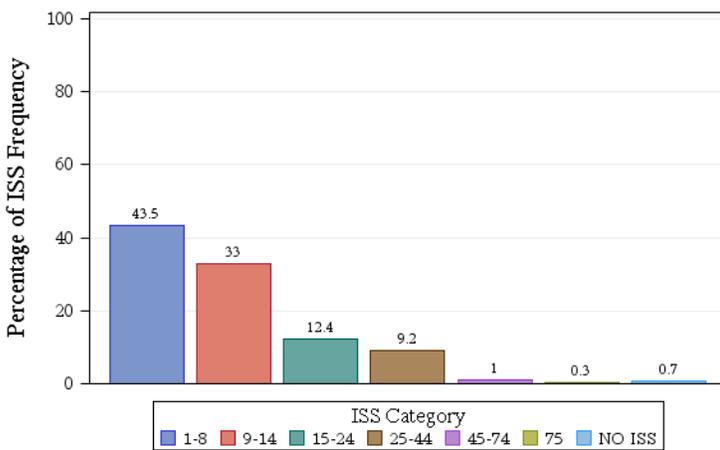
**Motorcycle  
2012-2014**



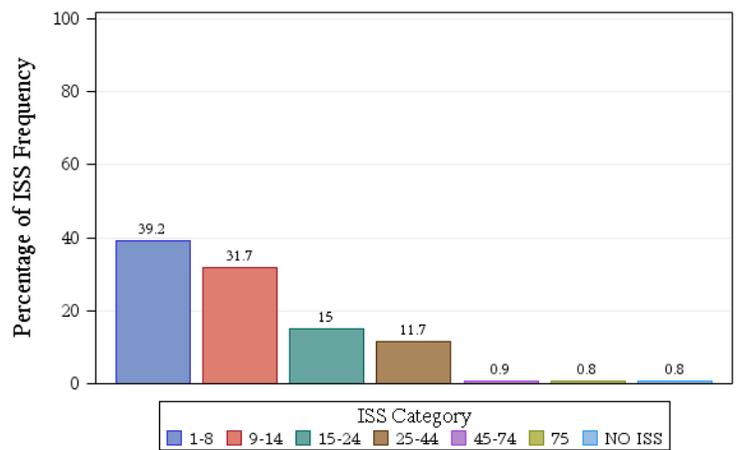
**Automobile  
2012-2014**



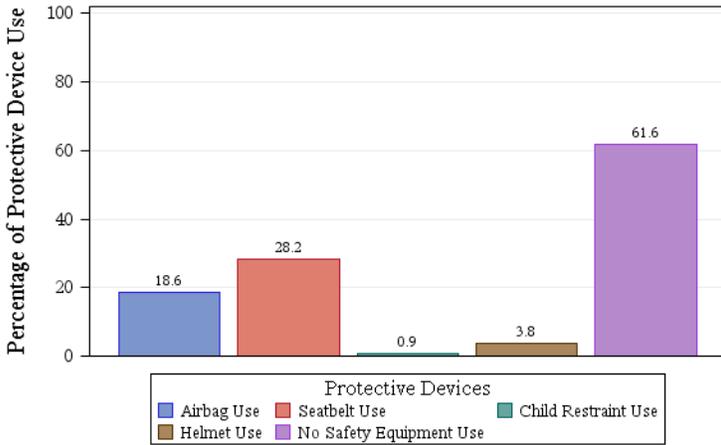
**Bicyclist  
2012-2014**



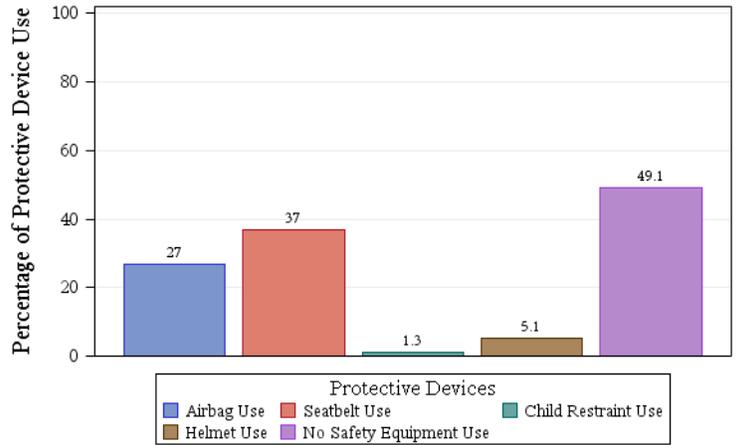
**Pedestrian  
2012-2014**



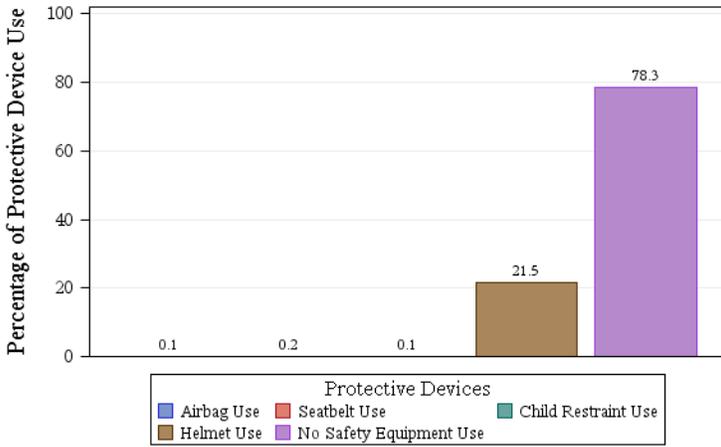
**2012**



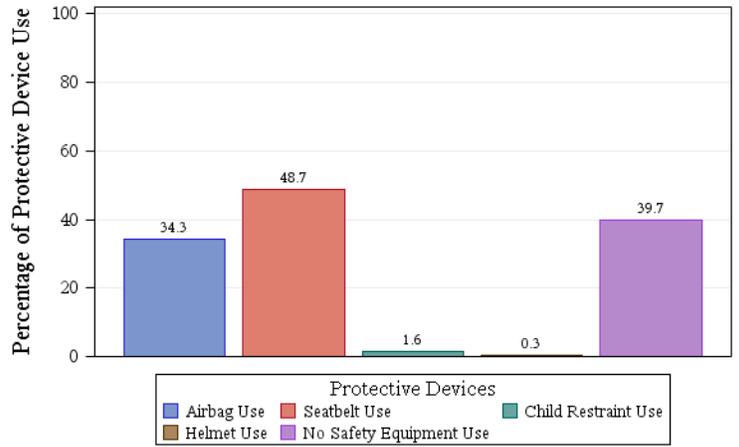
**2013-2014**



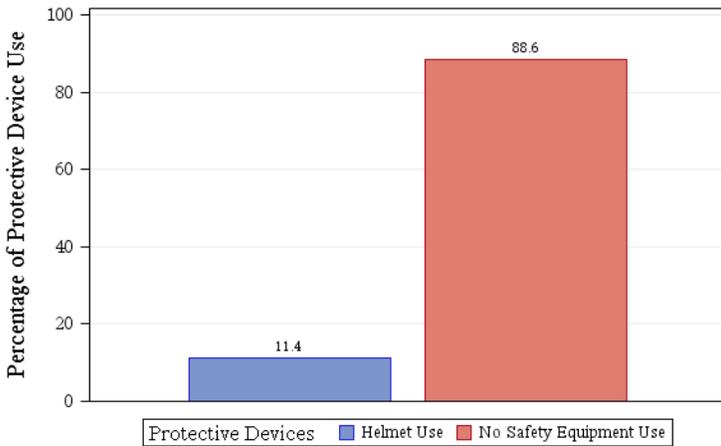
**Motorcycle  
2012-2014**



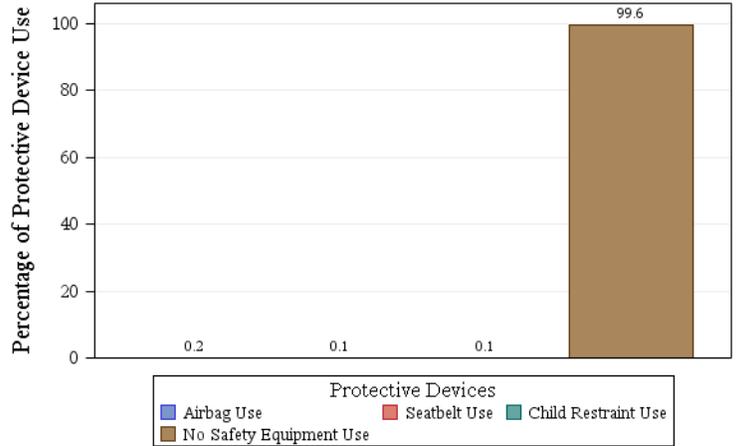
**Automobile  
2012-2014**



**Bicyclist  
2012-2014**



**Pedestrian  
2012-2014**



### Indiana Trauma Registry, October 2, 2013 - October 1, 2014 MVC involving Drugs or Alcohol By Public Health Preparedness Districts

