

On August 8th, Camry Hess, Database Analyst Epidemiologist, and Jessica Skiba, Injury Prevention Epidemiologist presented the quarterly trauma registry data report at the Indiana State Trauma Care Committee meeting at the Indiana State Department of Health.

From August 20-23rd Katie Gatz (Division Director), Camry Hess, Jessica Skiba, and Murray Lawry (EMS Registry Manager) attended the Indiana Emergency Response Conference at the Sheraton Indianapolis Hotel at Keystone Crossing. Katie Gatz led a workshop on the Triage and Transport Rule and gave a presentation on *EMS Documentation for Trauma*. Jessica Skiba gave two presentations, *Motor Vehicle Collisions*, and *Injury Prevention: Falls*.

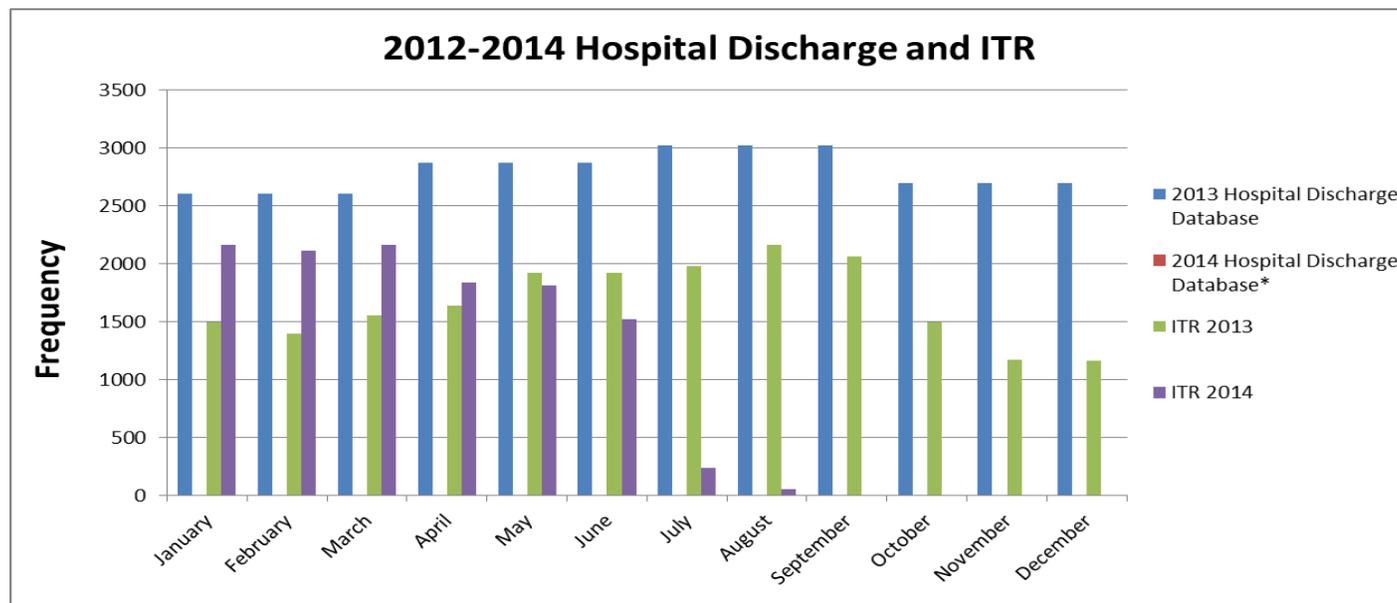
During the month of August, the Division interviewed several candidates to fill the Trauma Registry Manager position. The leading candidate will start work in September.

The 2013 data presented in this report is now complete.

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

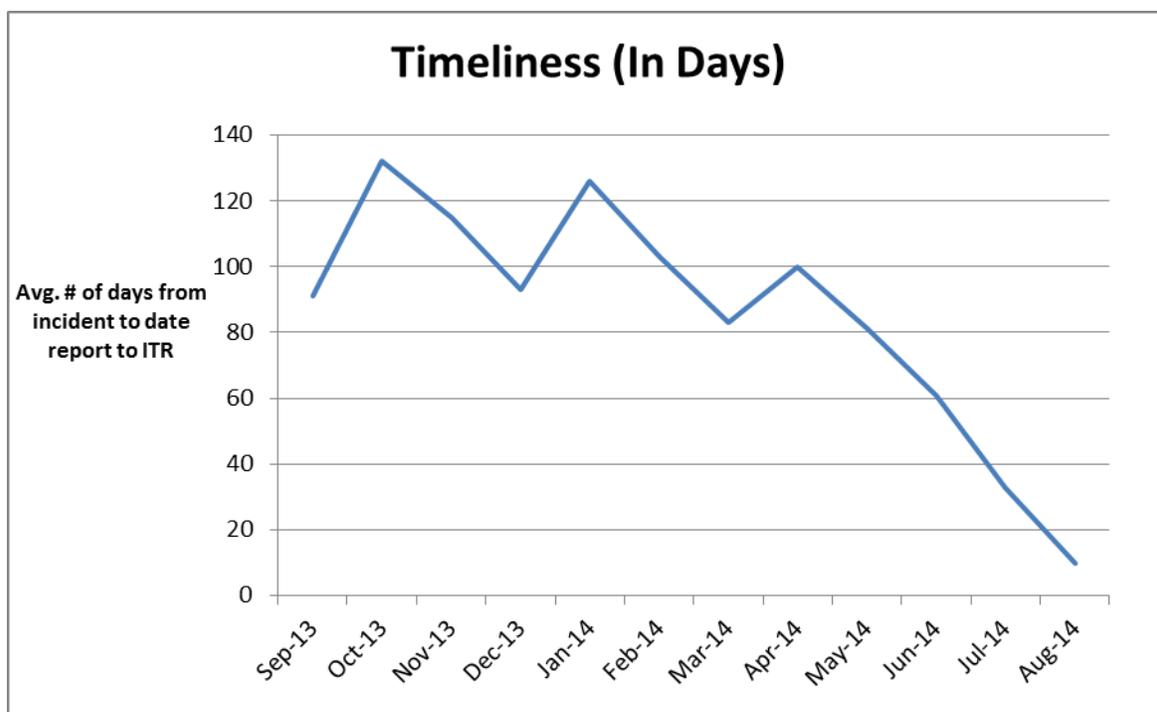
Completeness

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.



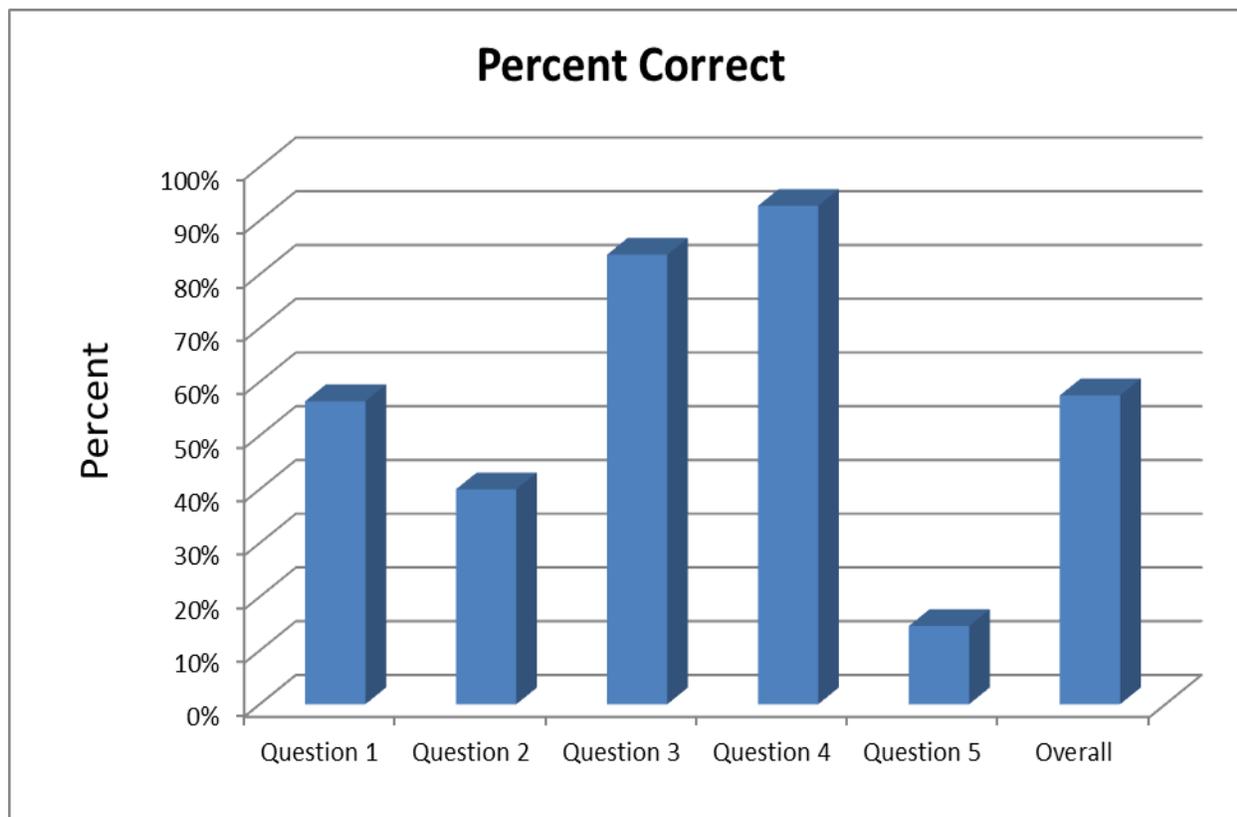
Timeliness increases as facilities wait until the data submission deadline to submit data to the ITR. Hospitals are asked to report data on the national trauma (TQIP) reporting schedule.

The decrease in timeliness from April 2014 until August 2014 is due to only timely reports being provided to the ITR during this



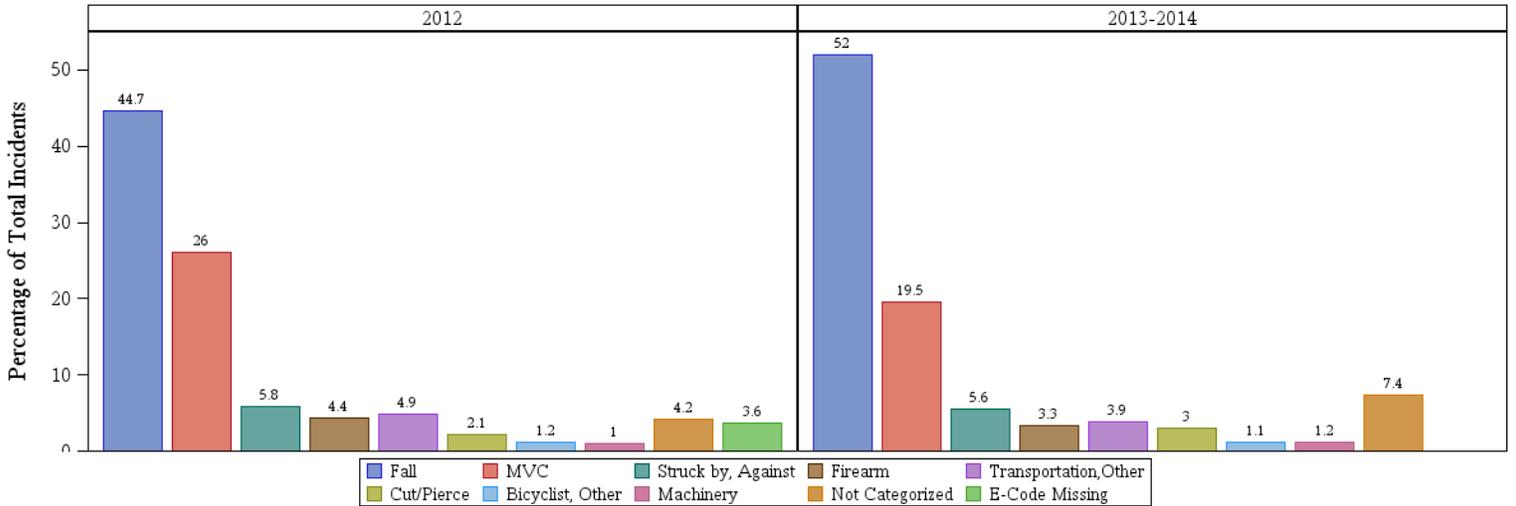
Uniformity

In August we sent out the seventh monthly quiz for the inter-rater reliability study. Fifty-five registrars completed the quiz from 45 hospitals. The percent of correct answers was 57% for the entire quiz and the average free-marginal Kappa (measure of consistency) 0.48. 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.



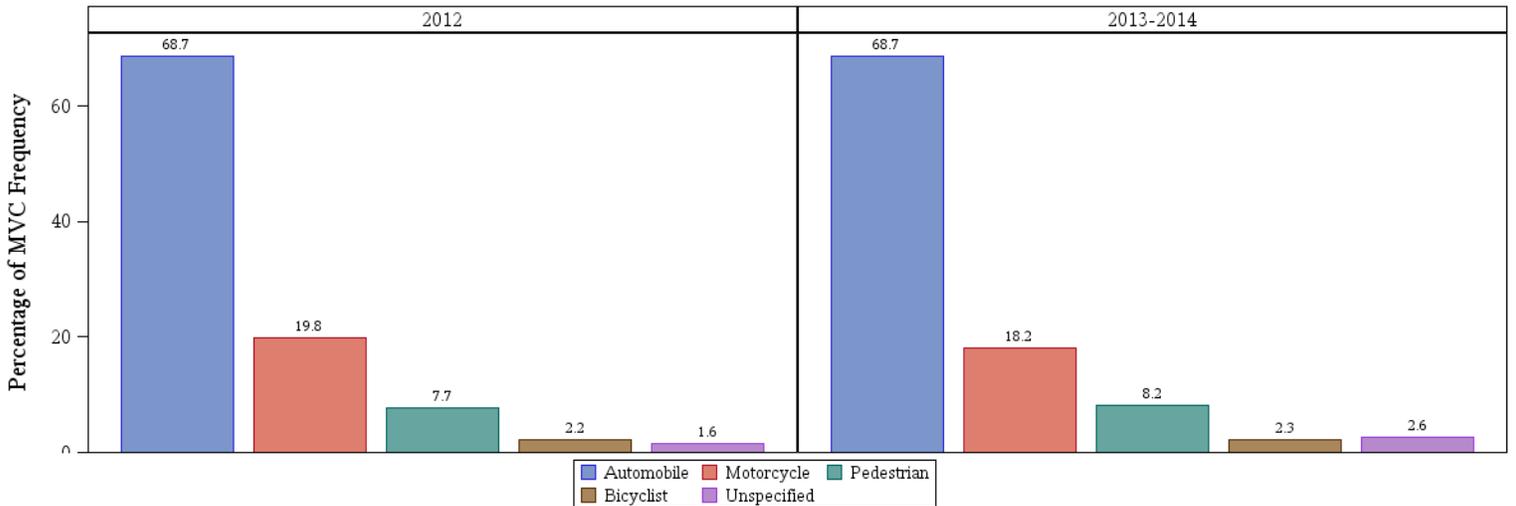
Integration

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.

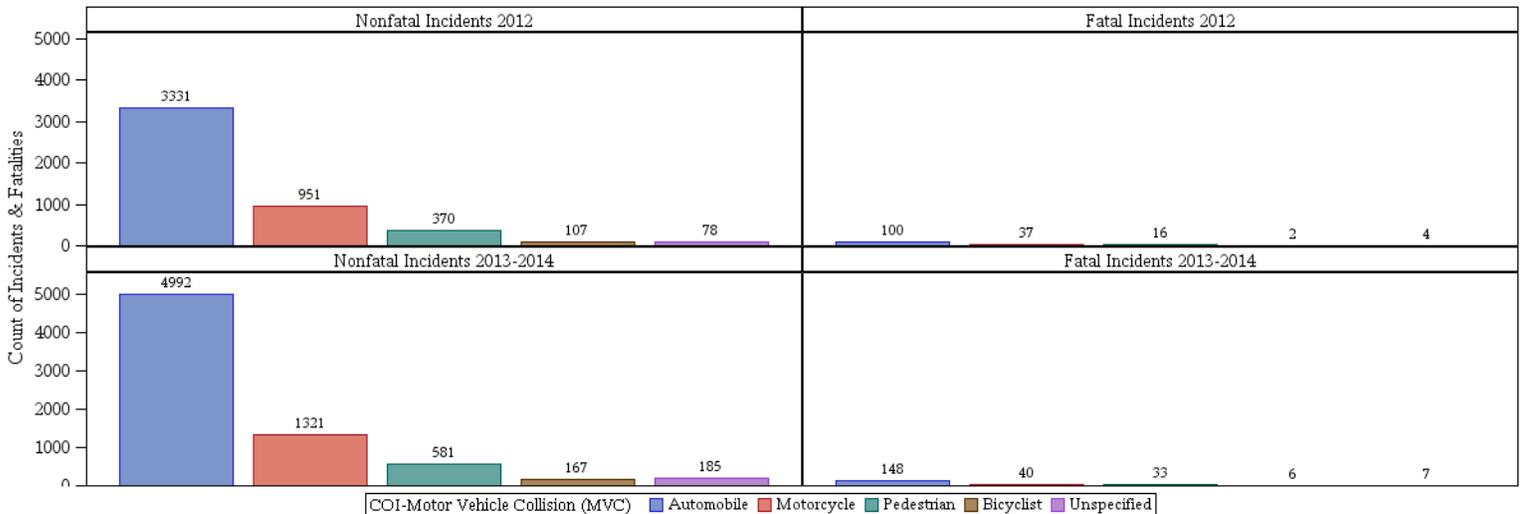


<1% of COI: Pedestrian (Other), Natural/Environmental, Overexertion, Fire/Burn, and Bites/Stings

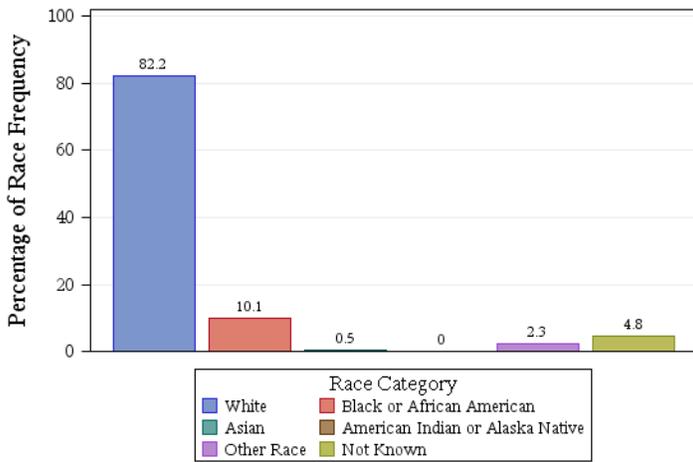
COI-Motor Vehicle Collision (MVC)



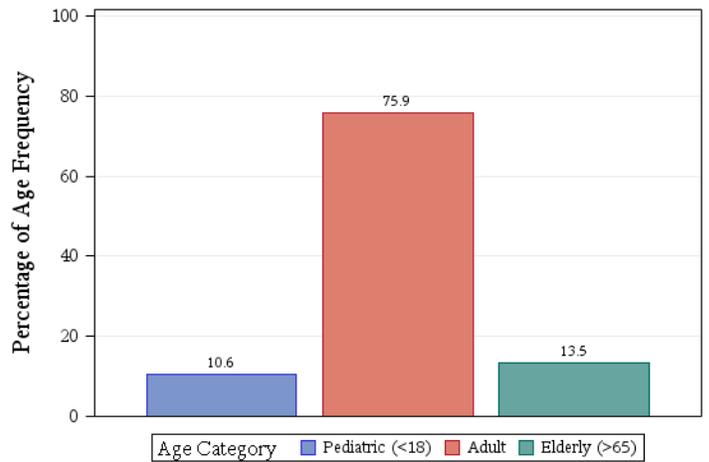
COI-MVC Nonfatal Incidents and Fatal Incidents



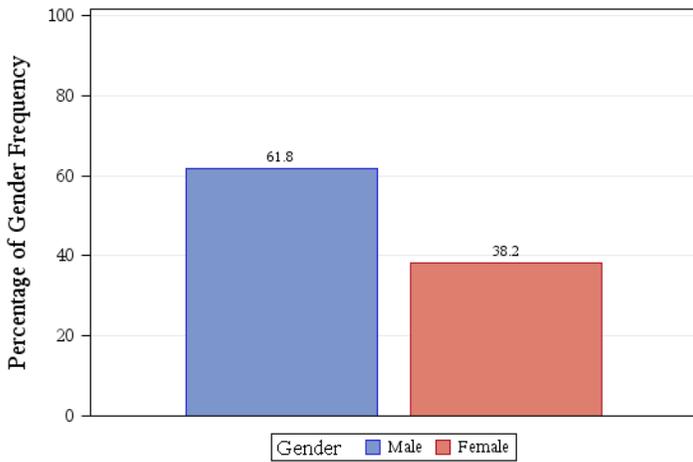
Race



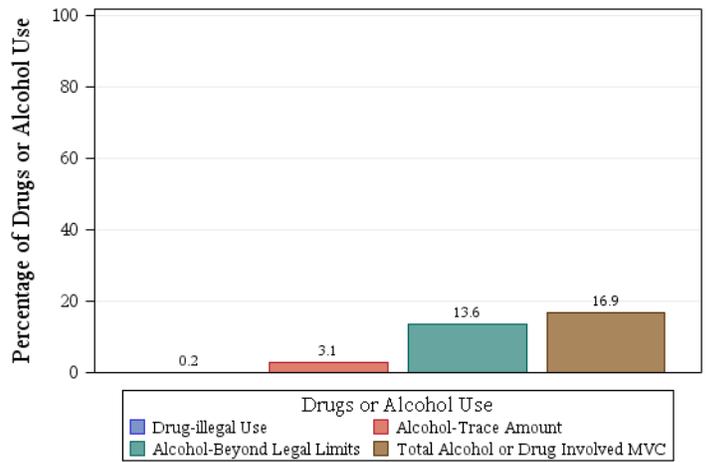
Age



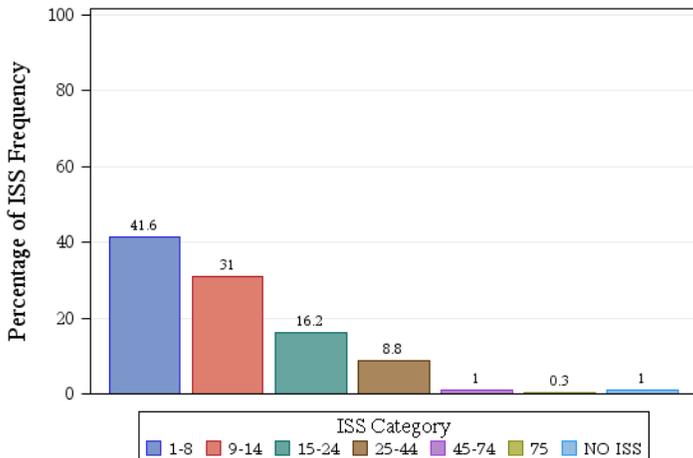
Gender



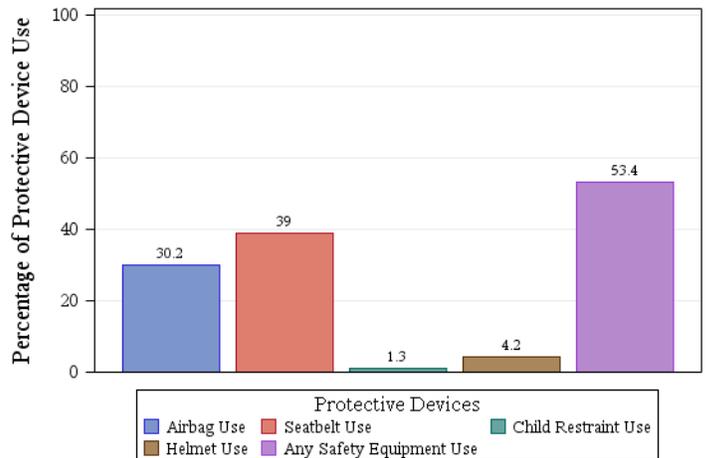
Drug & Alcohol Use



Injury Severity Score

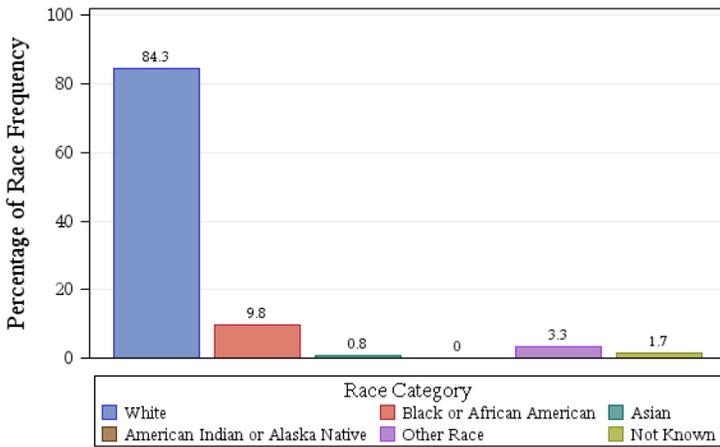


Protective Devices

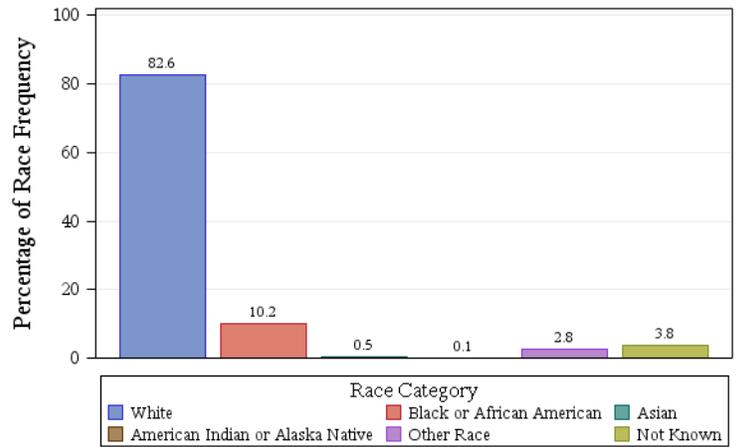


Injury Severity Score (ISS) is a measure of how bad the injury is. Scores over 15 are considered major trauma. A score of 75 is considered not survivable.

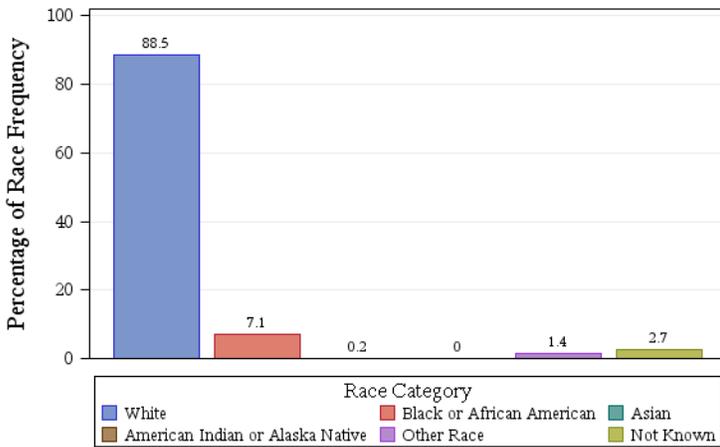
2012



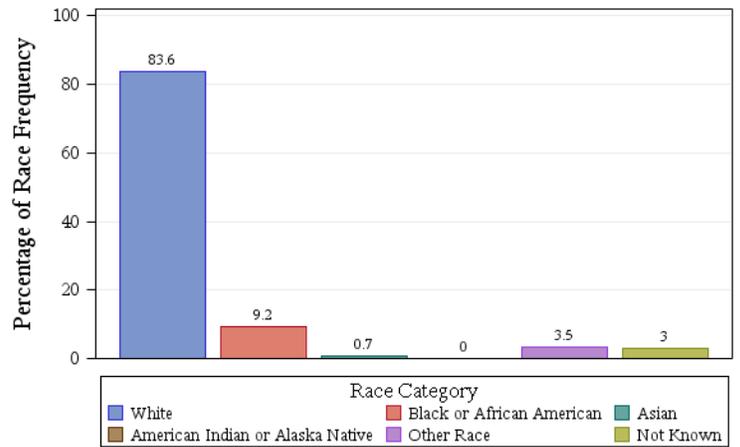
2013-2014



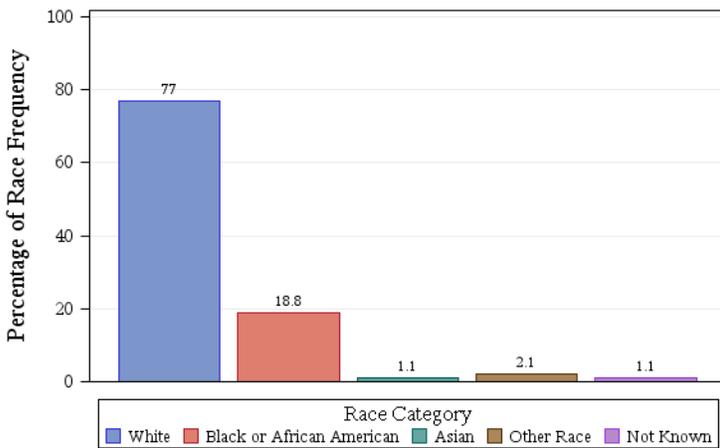
**Motorcycle
2012-2014**



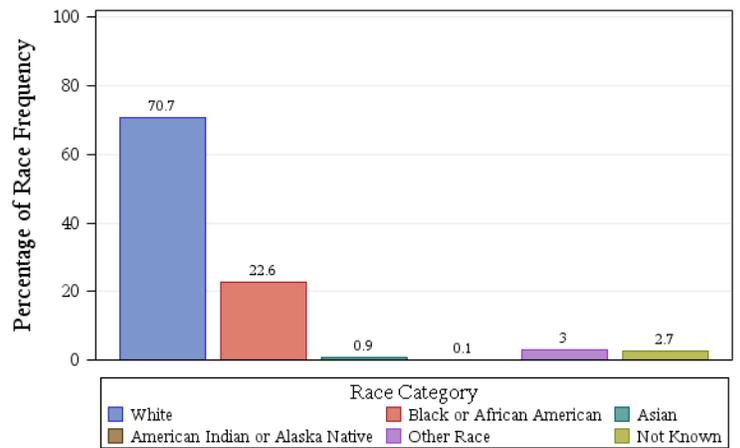
**Automobile
2012-2014**



**Bicyclist
2012-2014**

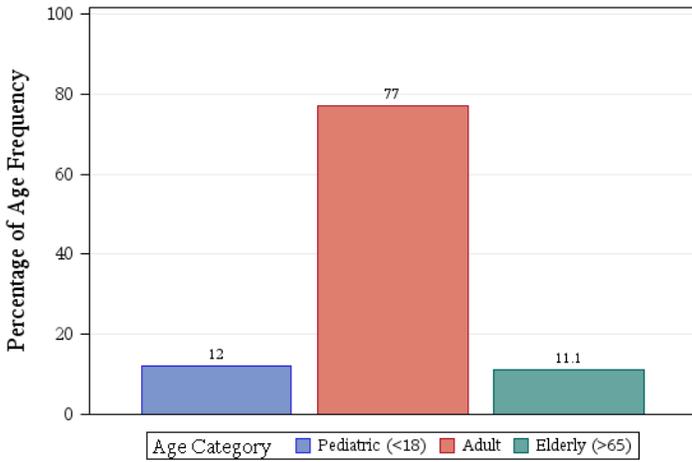


**Pedestrian
2012-2014**

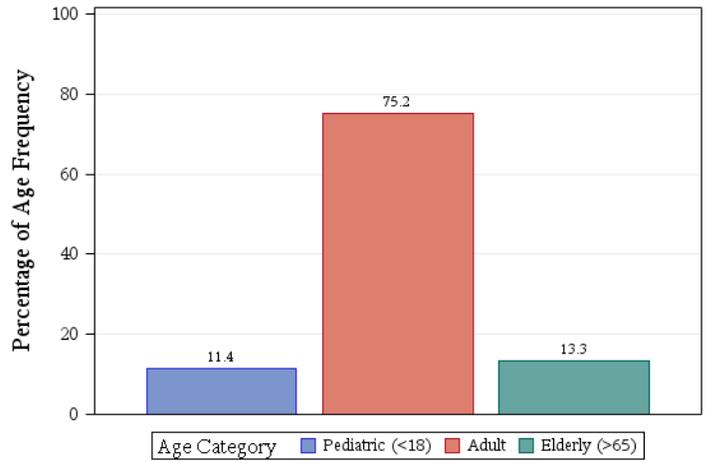


January 2012 to August 2014 12476 Incidents
Age- Motor Vehicle Collision

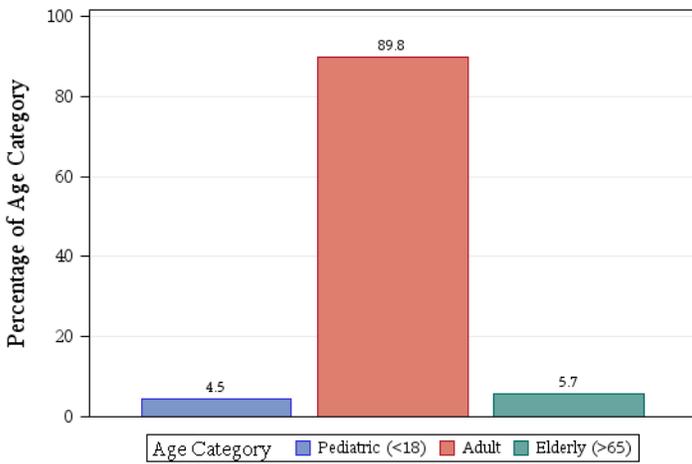
2012



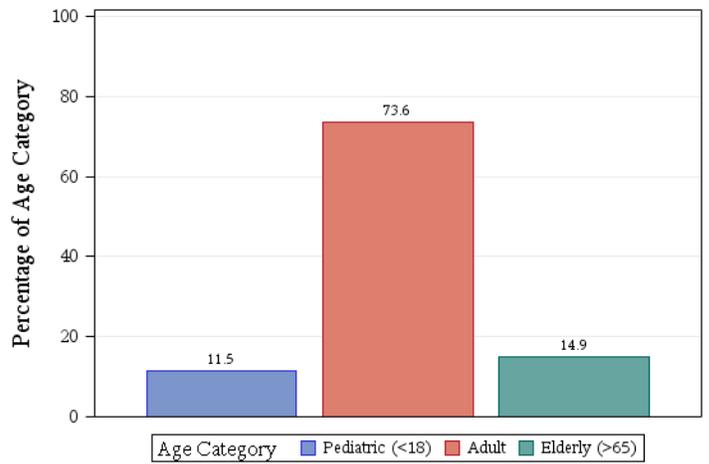
2013-2014



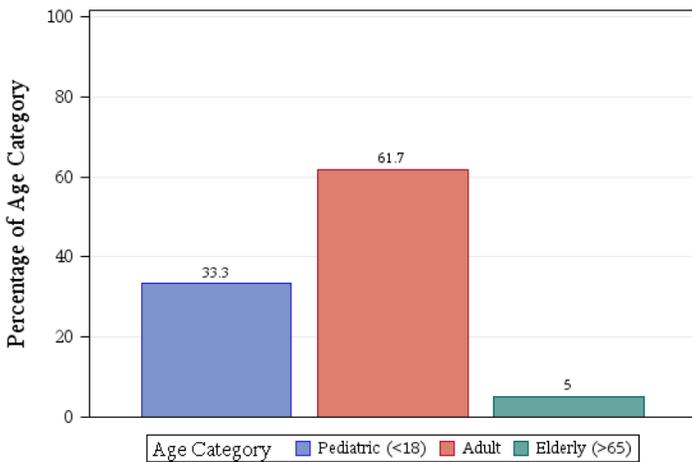
Motorcycle
2012-2014



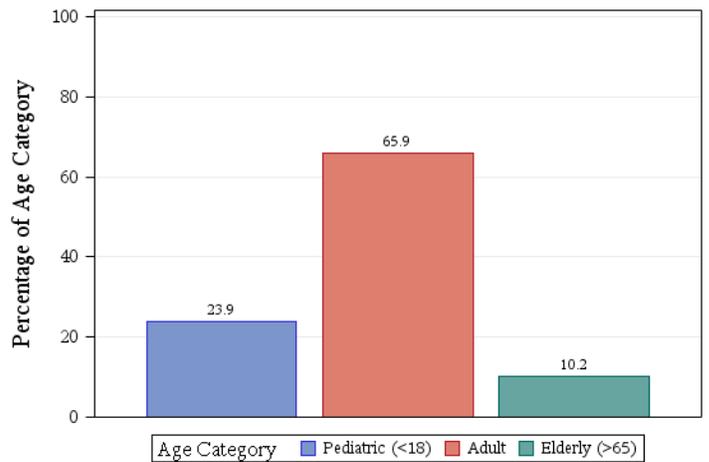
Automobile
2012-2014



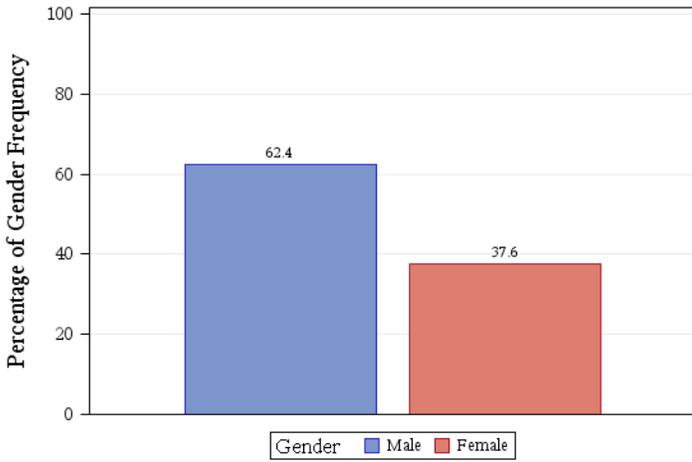
Bicyclist
2012-2014



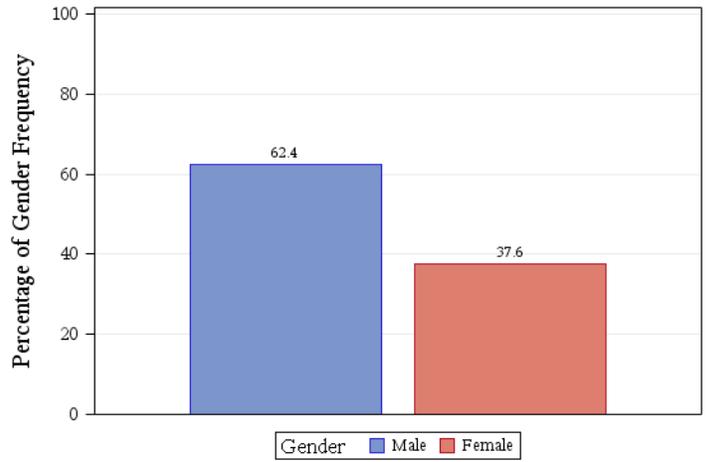
Pedestrian
2012-2014



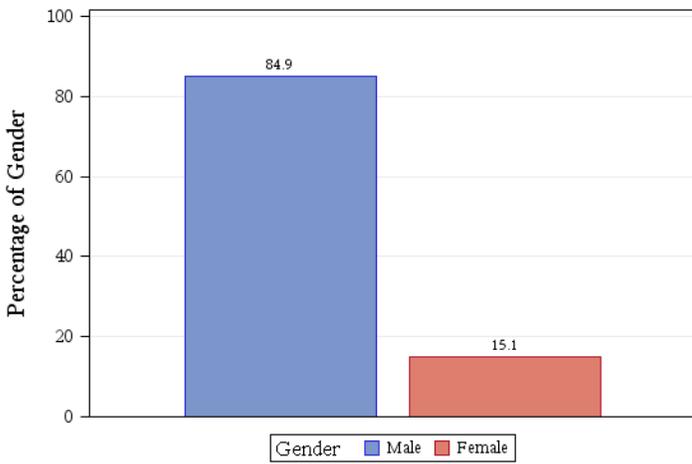
2012



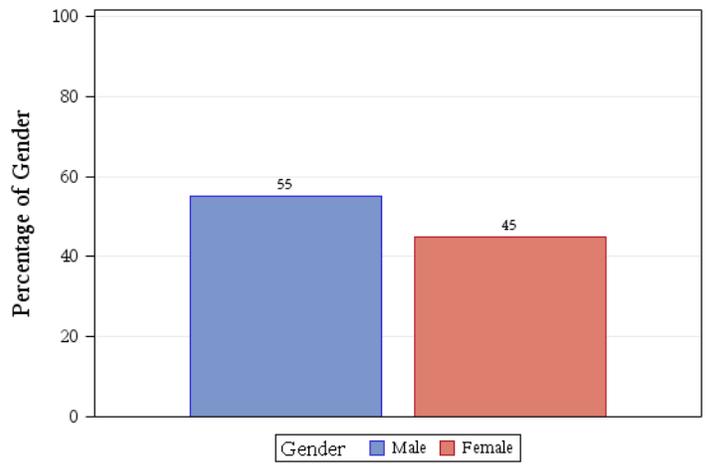
2013-2014



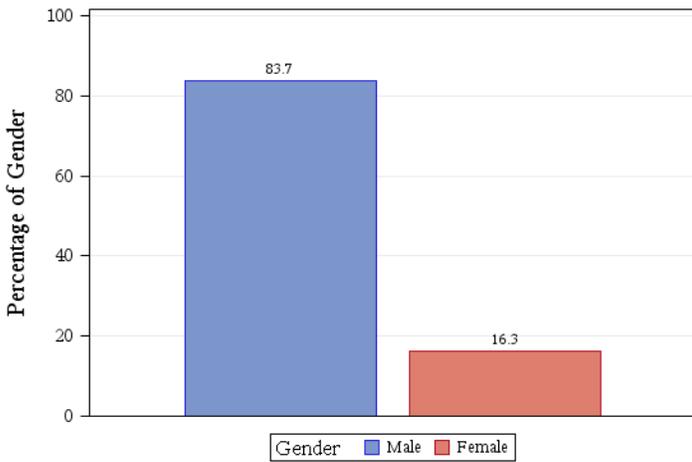
**Motorcycle
2012-2014**



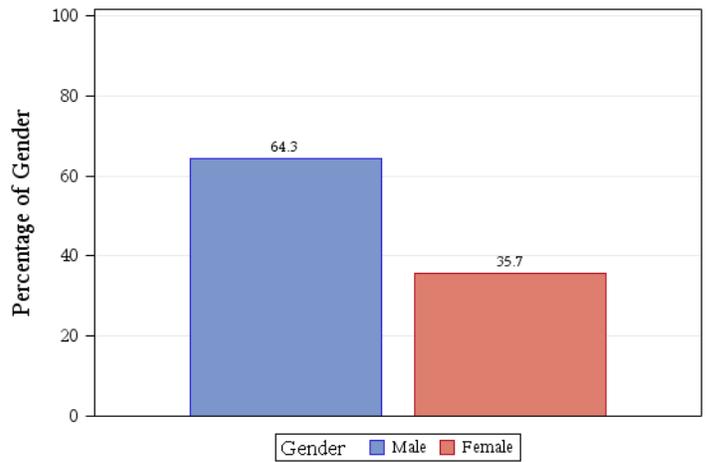
**Automobile
2012-2014**



**Bicyclist
2012-2014**

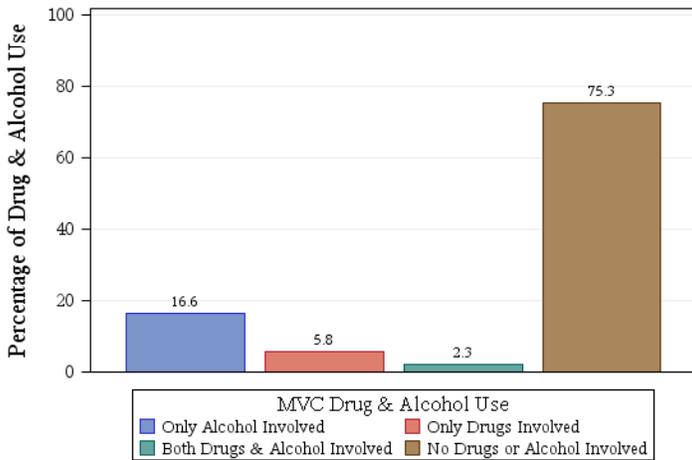


**Pedestrian
2012-2014**

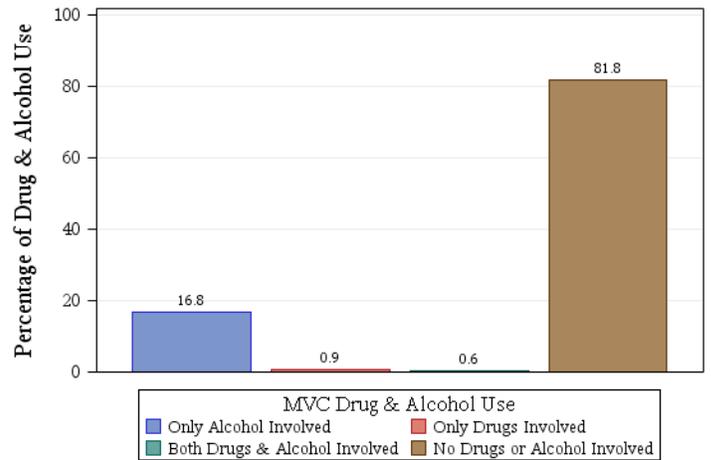


January 2012 to August 2014 12476 Incidents
Drug & Alcohol Use- Motor Vehicle Collision

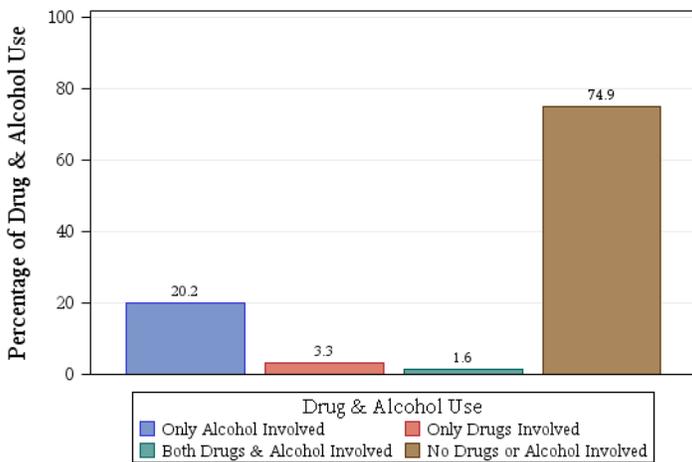
2012



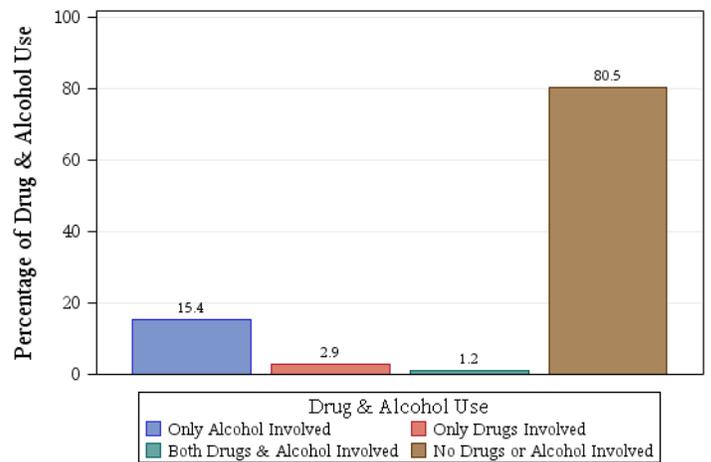
2013-2014



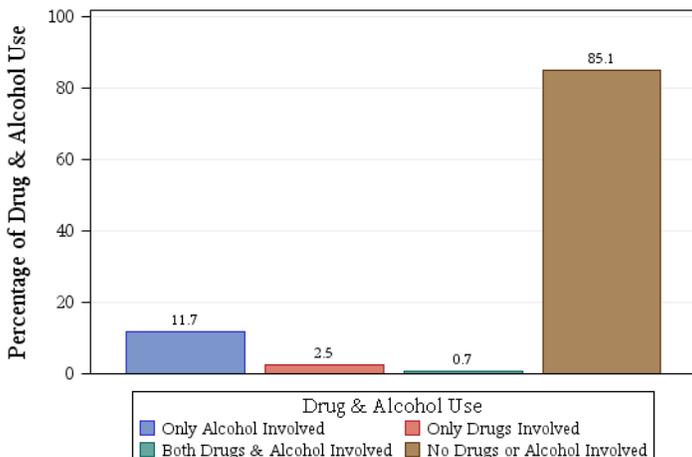
**Motorcycle
2012-2014**



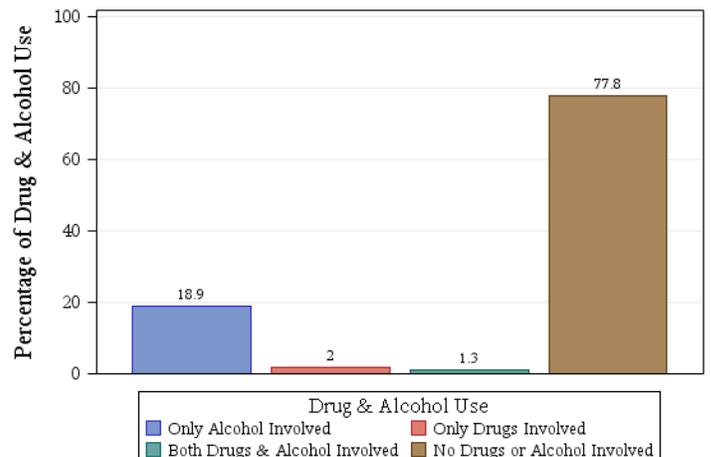
**Automobile
2012-2014**



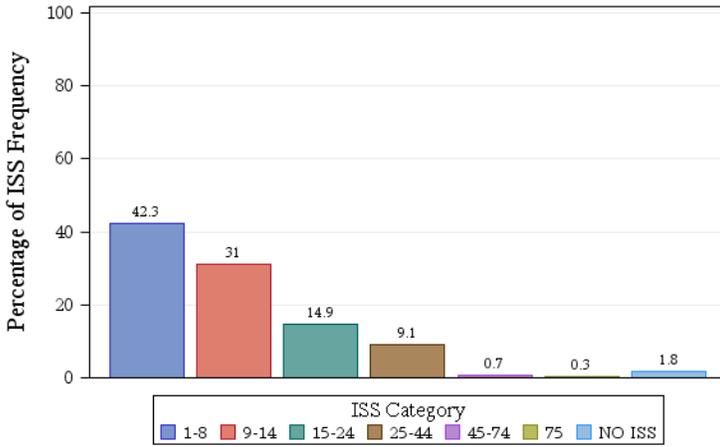
**Bicyclist
2012-2014**



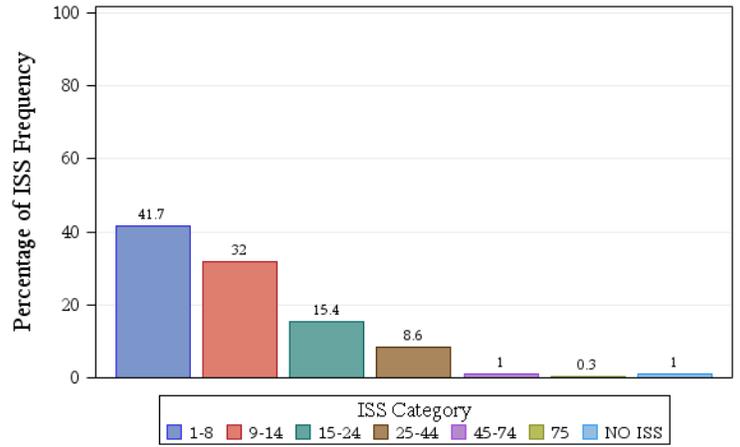
**Pedestrian
2012-2014**



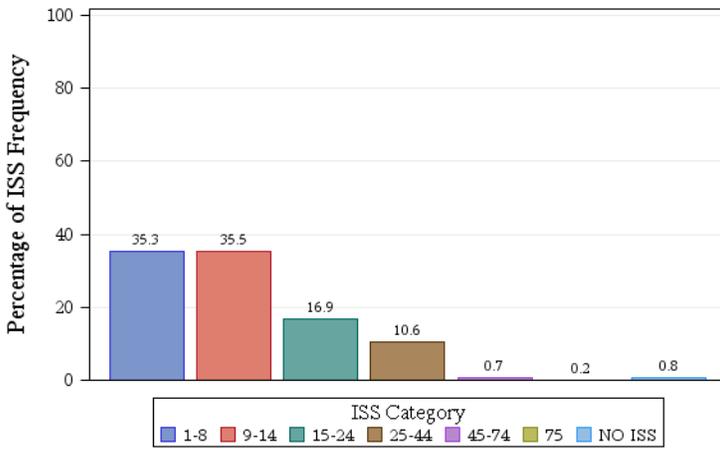
2012



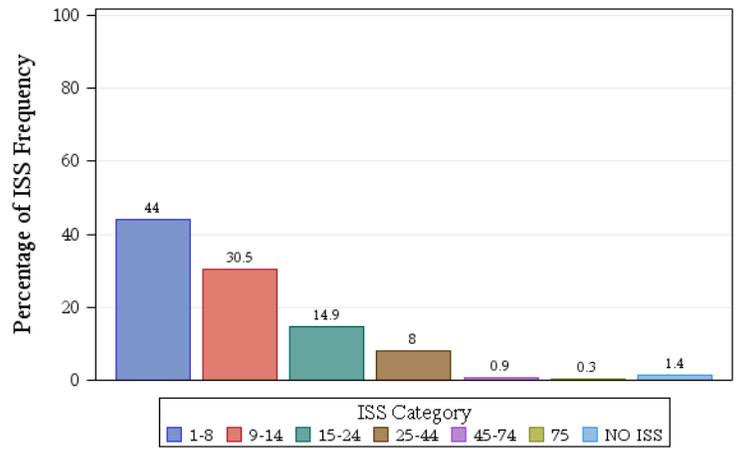
2013-2014



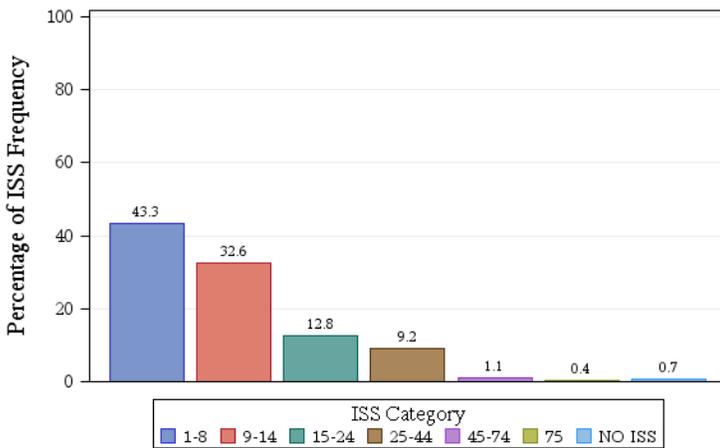
Motorcycle
2012-2014



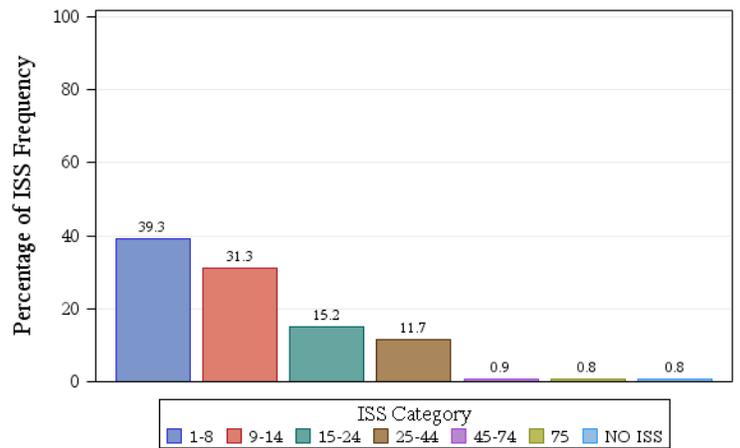
Automobile
2012-2014



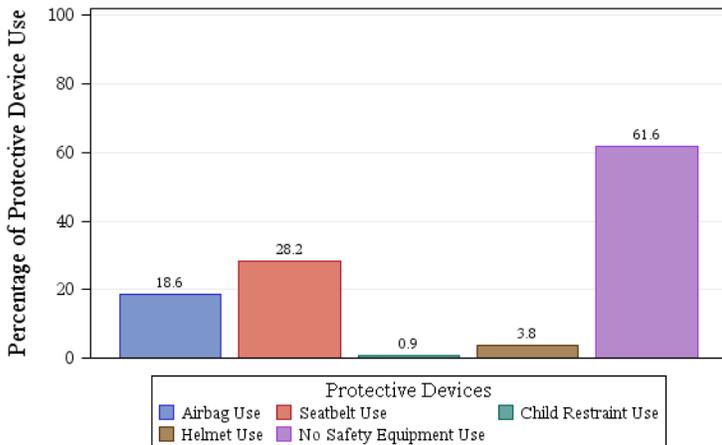
Bicyclist
2012-2014



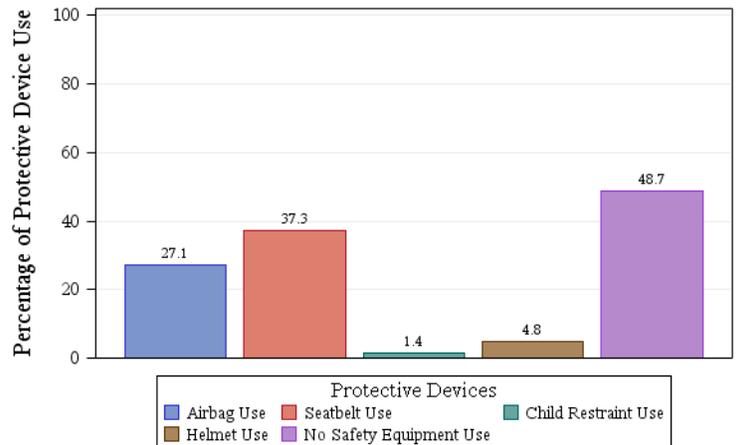
Pedestrian
2012-2014



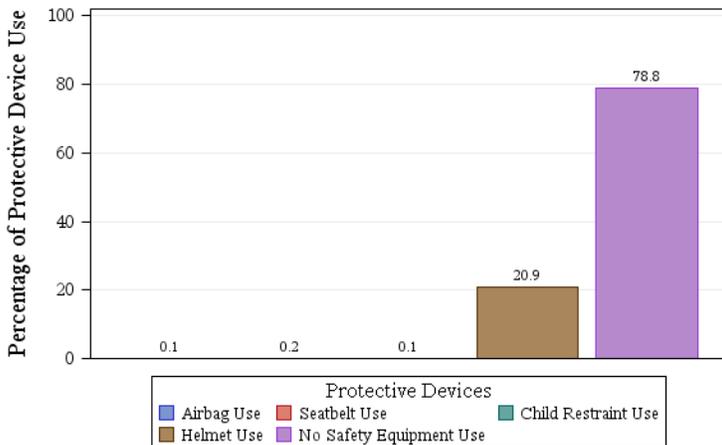
2012



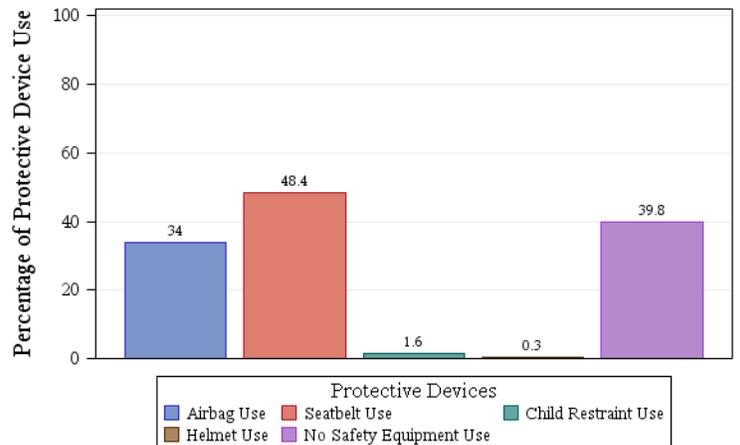
2013-2014



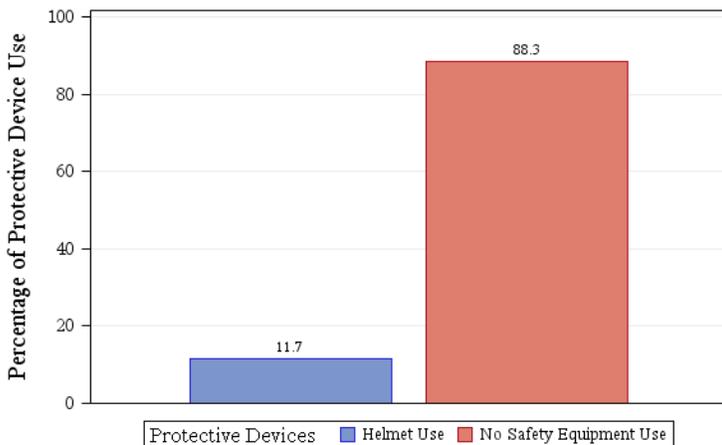
Motorcycle
2012-2014



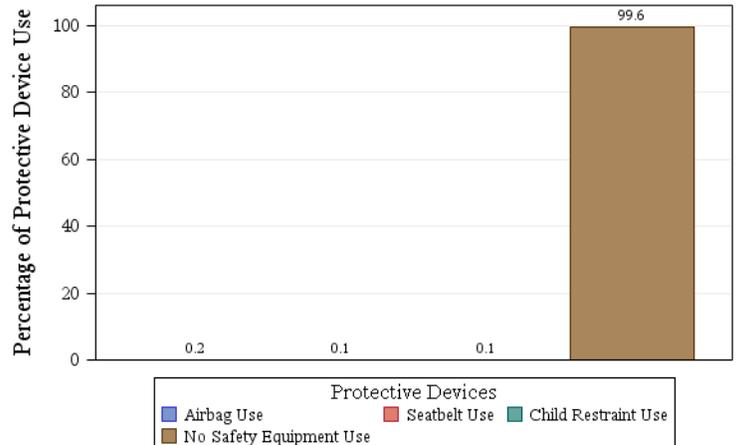
Automobile
2012-2014



Bicyclist
2012-2014



Pedestrian
2012-2014



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

