

Katie Gatz, trauma registry manager, and Jessica Skiba, injury prevention epidemiologist, presented the quarter 3 2013 data report for the trauma registry at the Indiana State Trauma Care Committee (ISTCC) meeting on Friday, February 7th. The ISTCC met and reviewed one “In the Process of ACS Verification” applications for IU Health Arnett (Lafayette).

The Division of Trauma and Injury Prevention attended the Traffic Records Coordinating Committee (TRCC) meeting on Thursday, February 13th. Staff also attended the EMS Commission meeting on Friday, February 14th in Fishers and Katie reported on the EMS registry.

During the week of February 17th through the 21st, Katie Gatz and Murray Lawry, the new EMS registry manager, traveled the southern part of Indiana to train Pre-Hospital providers, hospitals, and rehabilitation hospitals on how to use the trauma and EMS registries. On Monday, February 17th, Katie & Murray traveled to Terre Haute where they trained 5 users on the trauma registry. On Tuesday, February 18th, Katie & Murray traveled to Evansville where they trained 16 users on the trauma registry and 15 users on the EMS registry. On Wednesday, February 19th, Katie & Murray traveled to Scottsburg where they trained 15 users on the trauma registry and 10 users on the EMS registry. On Thursday, February 20th, Katie & Murray travel to Columbus where they trained 12 users on the trauma registry and 5 users on the EMS registry. On Friday, February 21st, Katie & Murray traveled to Eskenazi Health in Indianapolis where they trained 4 users on the trauma registry and 4 users on the EMS registry.

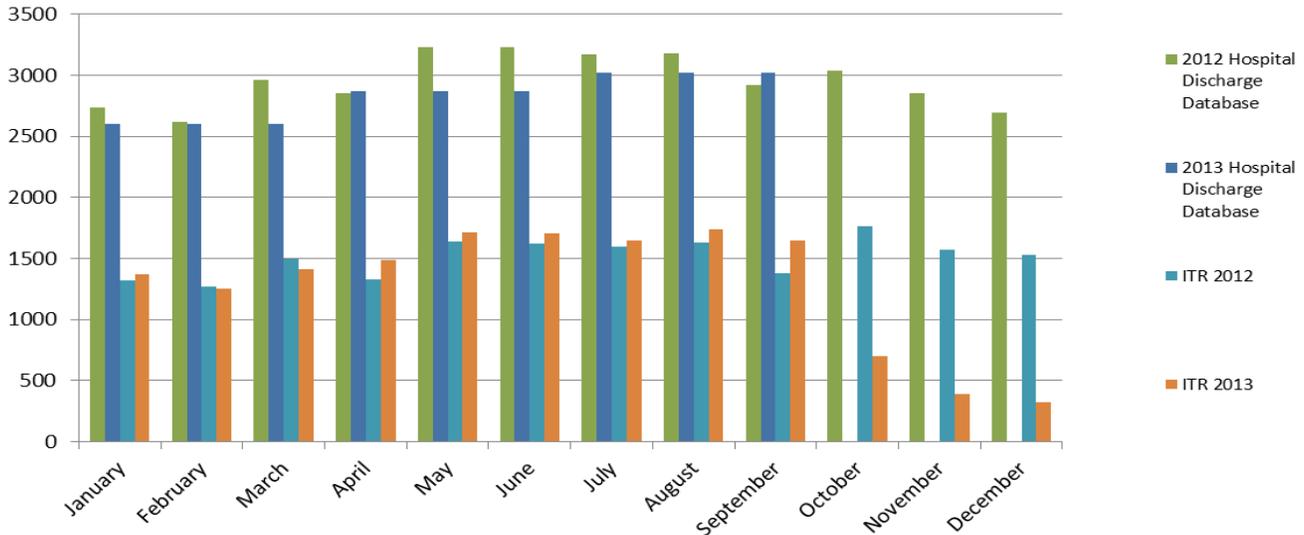
On February 27th and 28th, the ISDH hosted an ICD-10 trauma-specific training course for trauma registrars. The event was attended by 40 registrars from 24 hospital around the state.

The 2013 data presented in this report will be complete on May 1, 2014.

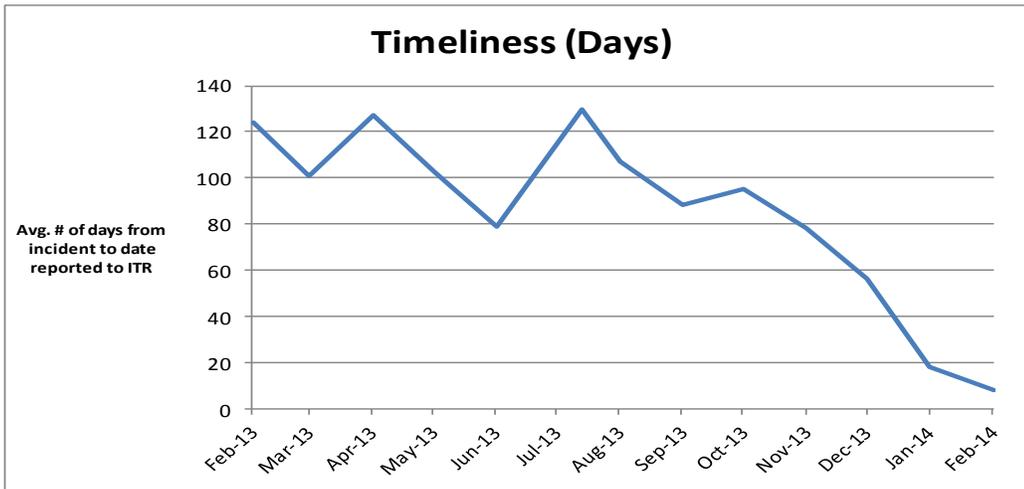
The Indiana Trauma Registry (ITR) monthly report is a dashboard style report for the Indiana Criminal Justice Institute (ICJI) and any other party concerned about trauma in Indiana. This report highlights the three data quality measures for the ICJI grant: completeness, timeliness, and uniformity. This 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

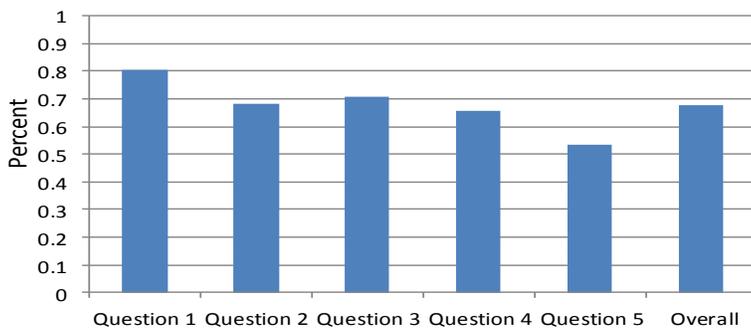


Timeliness increases as facilities wait until the data submission deadline to submit data to the ITR. Hospitals are asked to report data on the national trauma (TQIP) reporting schedule.

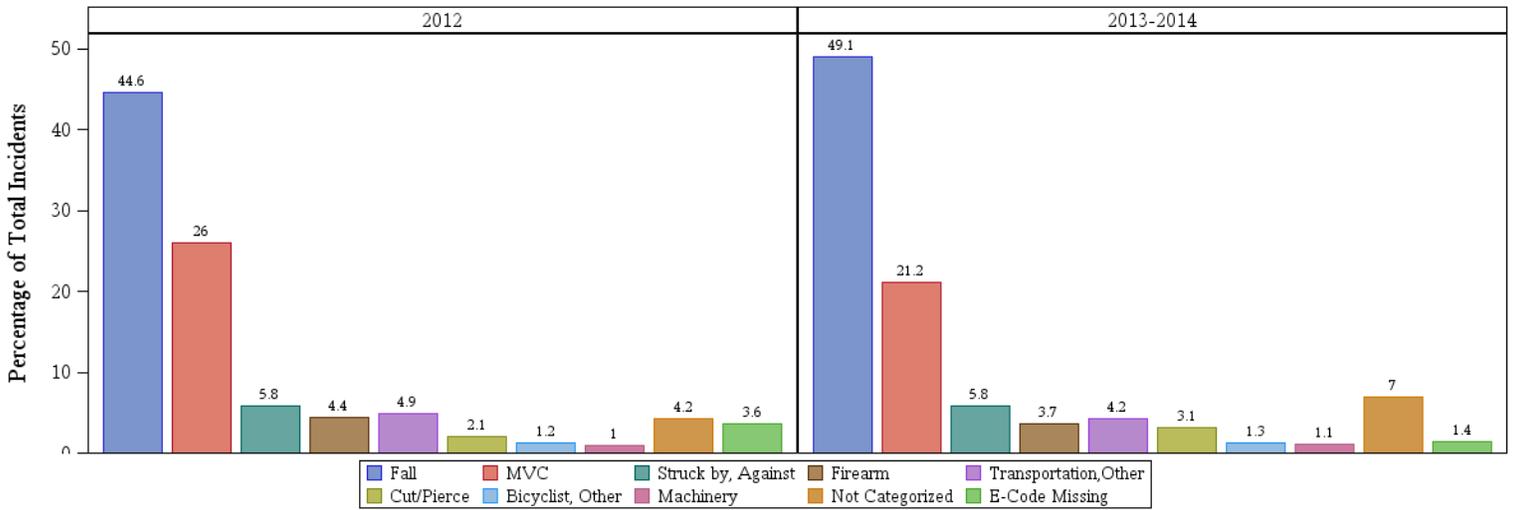
The decrease in timeliness from July 2013 until February 2014 is due to only timely reports being provided to the ITR during this time frame, typically from non-trauma hospitals and early reporting trauma centers.

Uniformity

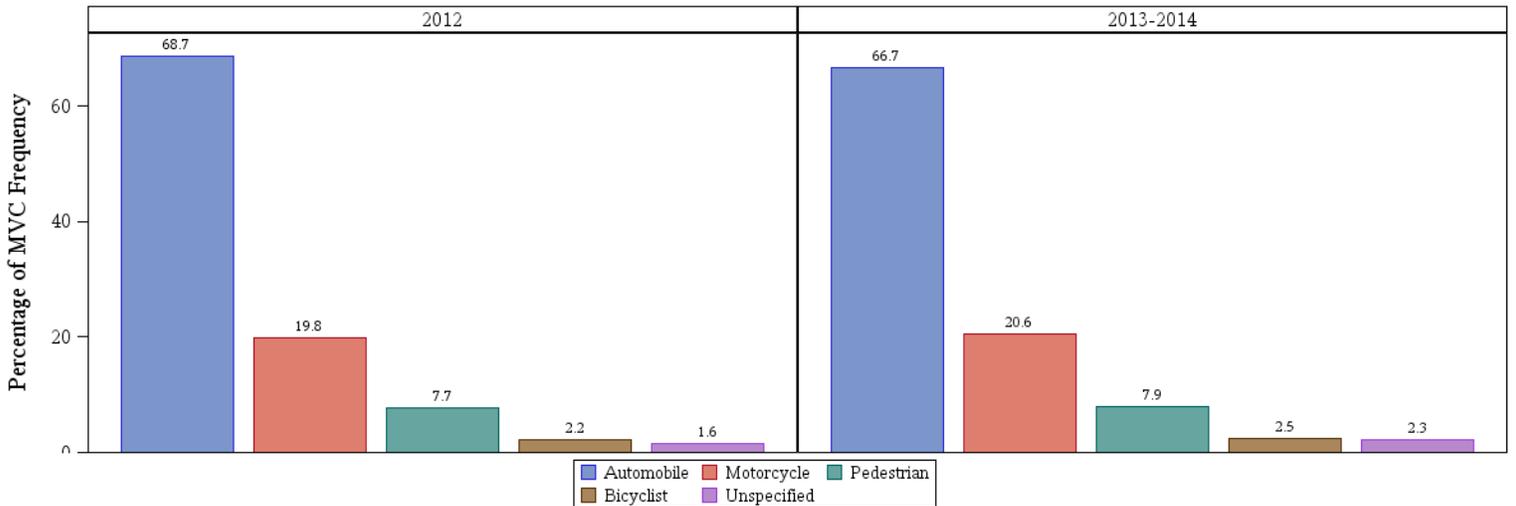
Percent Correct



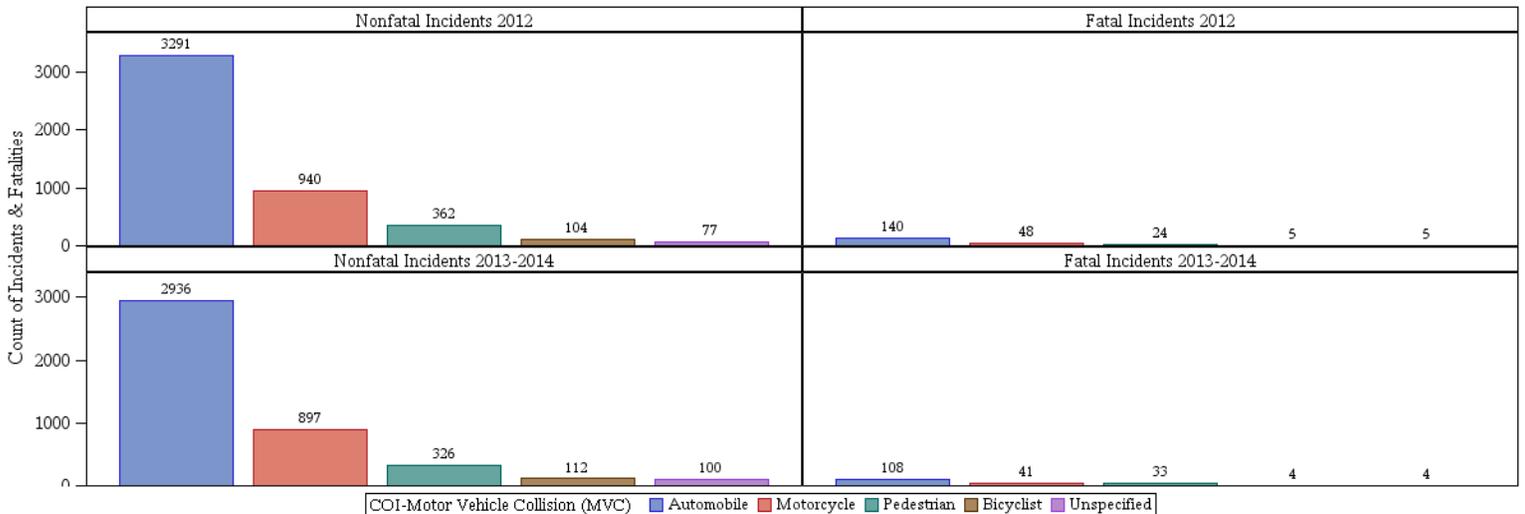
In January we sent out the first monthly quiz for the inter-rater reliability study. Forty-one registrars completed the quiz from 33 hospitals. The percent of correct answers was 67.8% for the entire quiz and the average free-marginal Kappa (measure of consistency) 0.21. We plan to collect data for four 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 investigating integration of trauma and EMS data by exploring options to link trauma and EMS data and working with EMS providers to submit valid Hospital Facility ID codes.



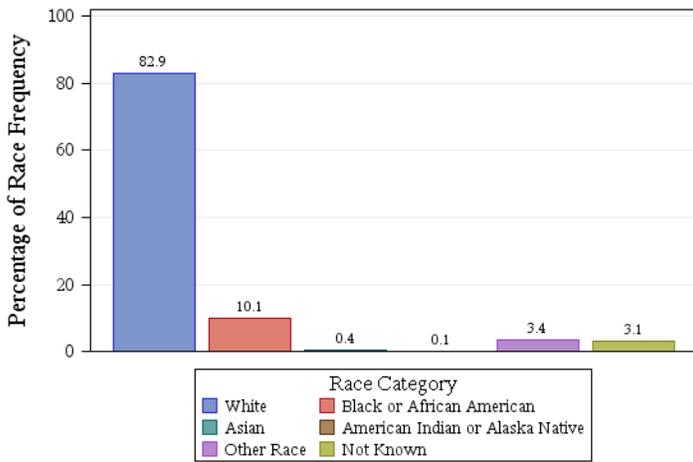
<1% of COI: Pedestrian (Other), Natural/Environmental, Overexertion, Fire/Burn, and Bites/Stings
COI-Motor Vehicle Collision (MVC)



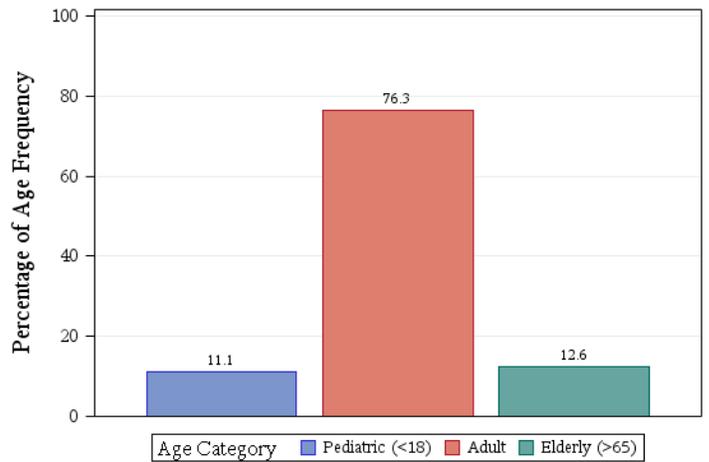
COI-MVC Nonfatal Incidents and Fatal Incidents



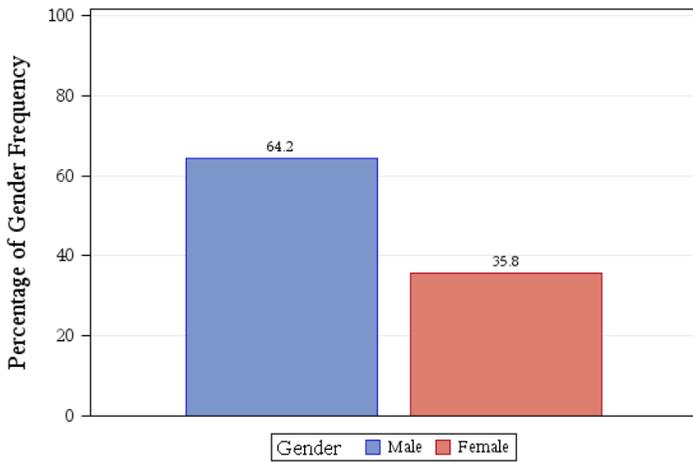
Race



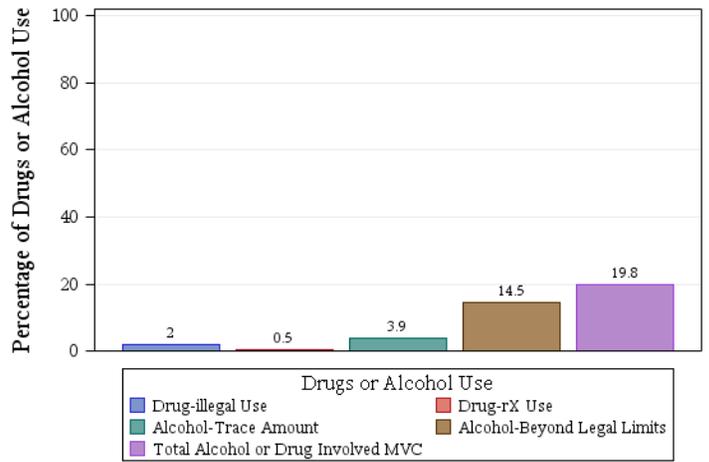
Age



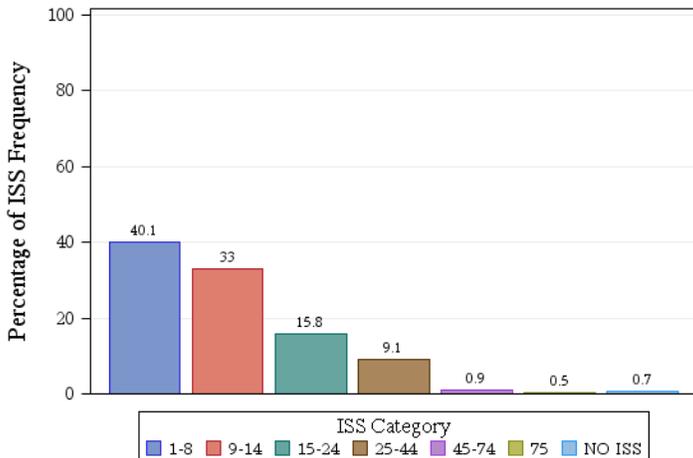
Gender



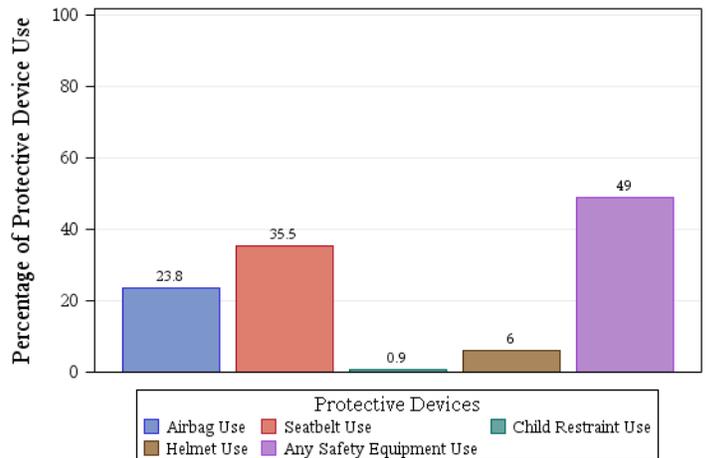
Drug & Alcohol Use



Injury Severity Score

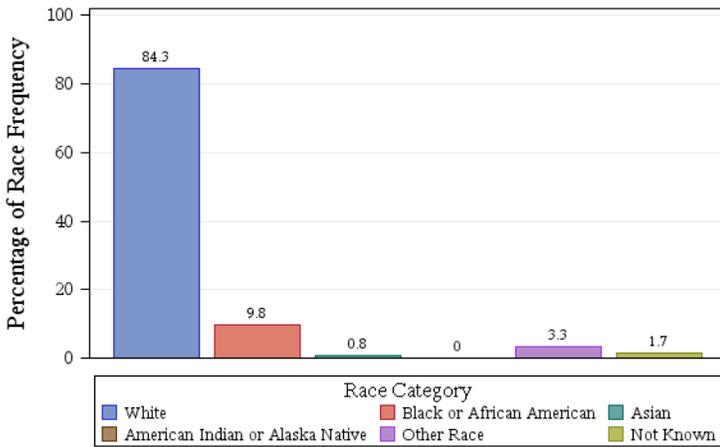


Protective Devices

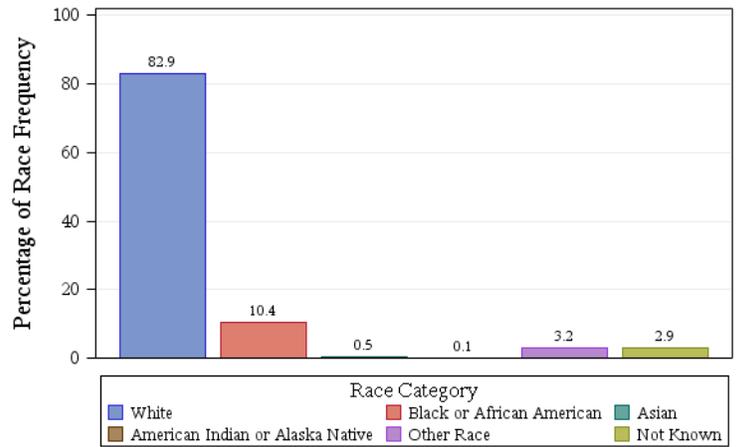


Injury Severity Score (ISS) is a measure of how bad the injury is. Scores over 15 are considered major trauma. A score of 75 is considered not survivable.

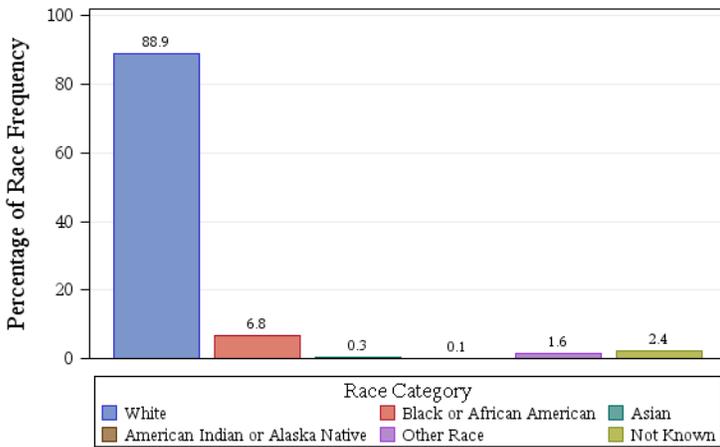
2012



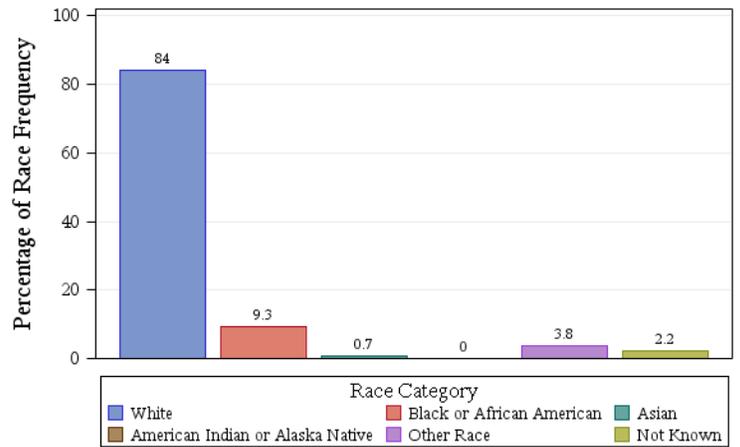
2013-2014



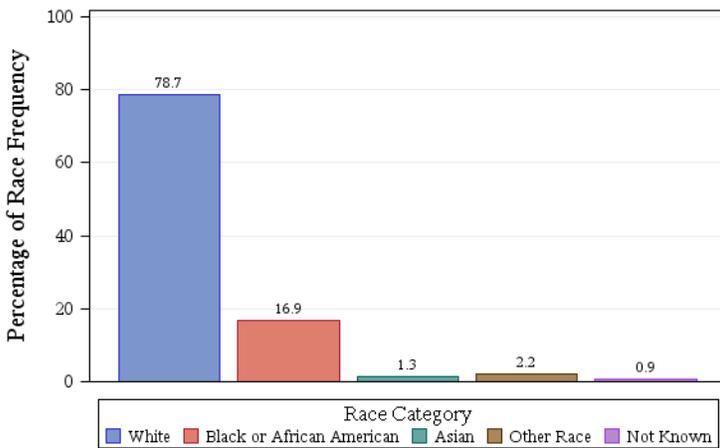
Motorcycle
2012-2014



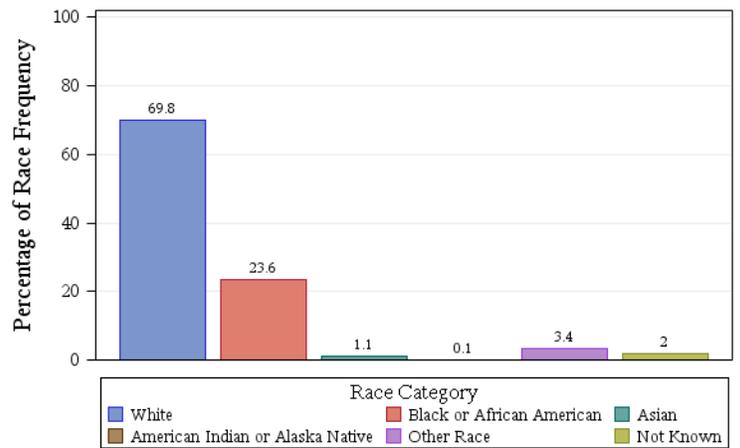
Automobile
2012-2014



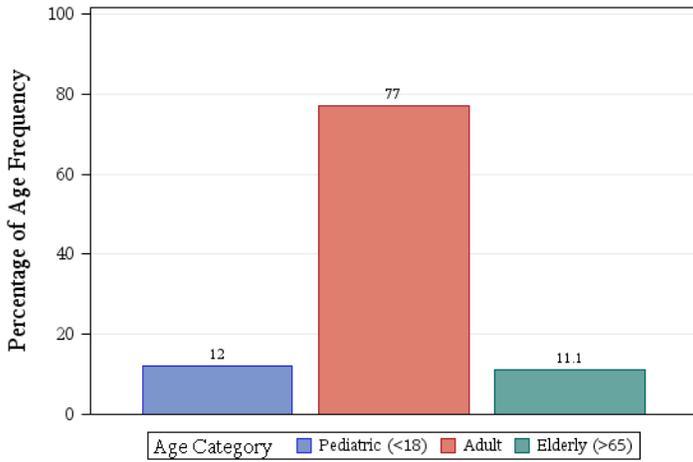
Bicyclist
2012-2014



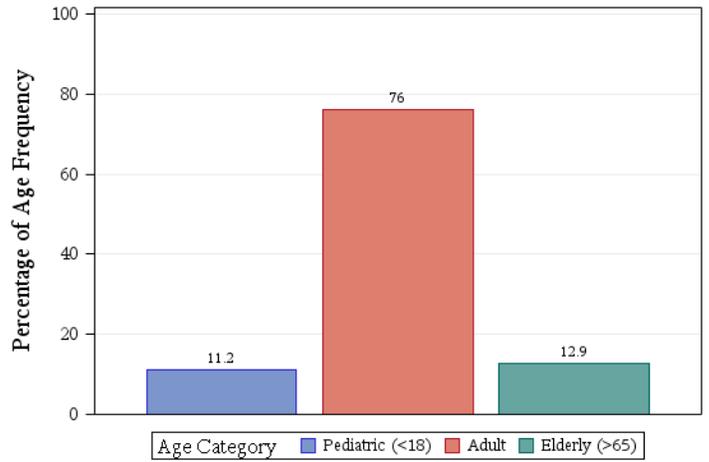
Pedestrian
2012-2014



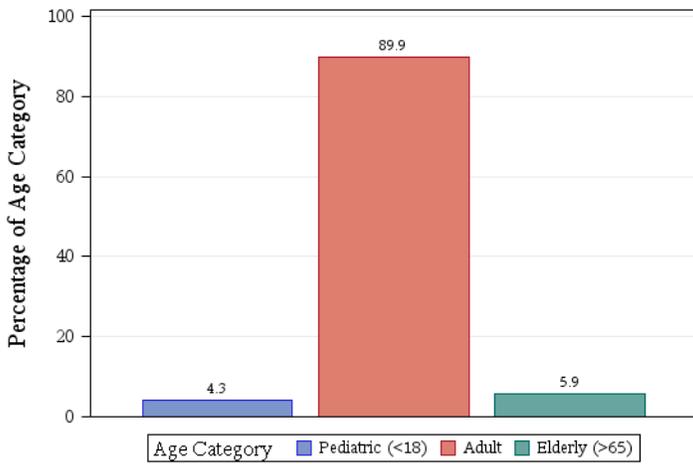
2012



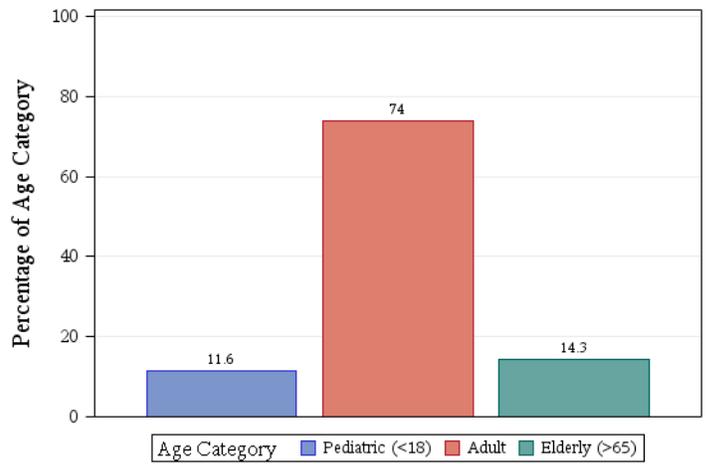
2013-2014



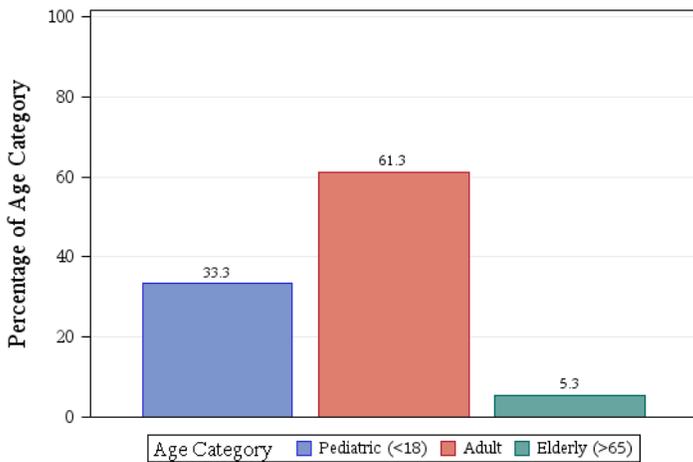
Motorcycle
2012-2014



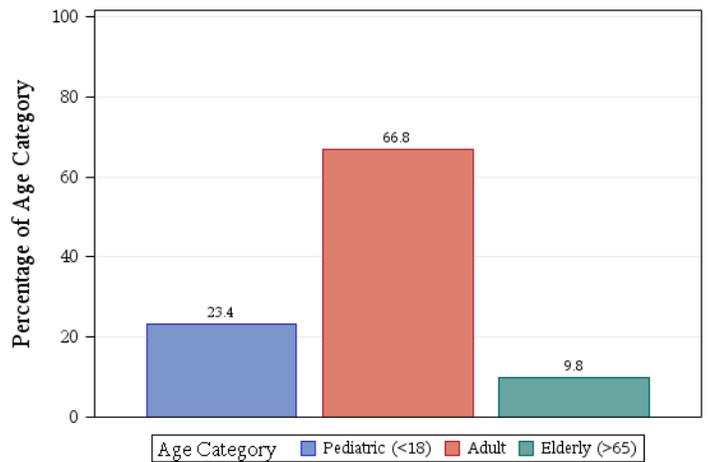
Automobile
2012-2014



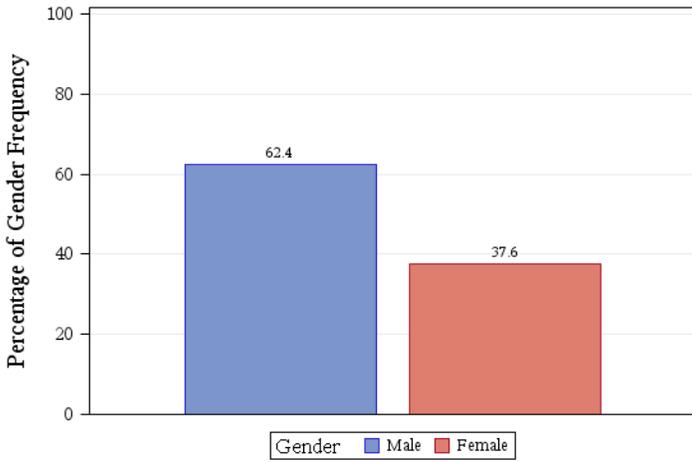
Bicyclist
2012-2014



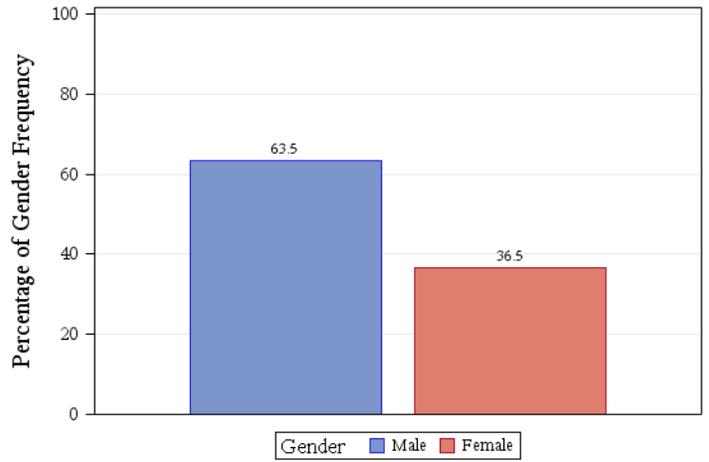
Pedestrian
2012-2014



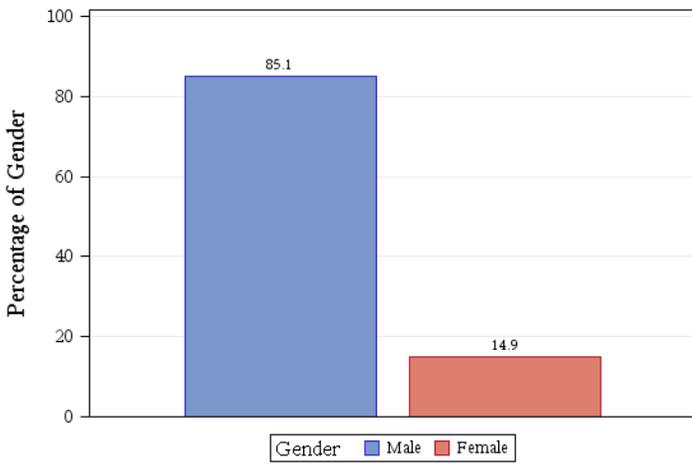
2012



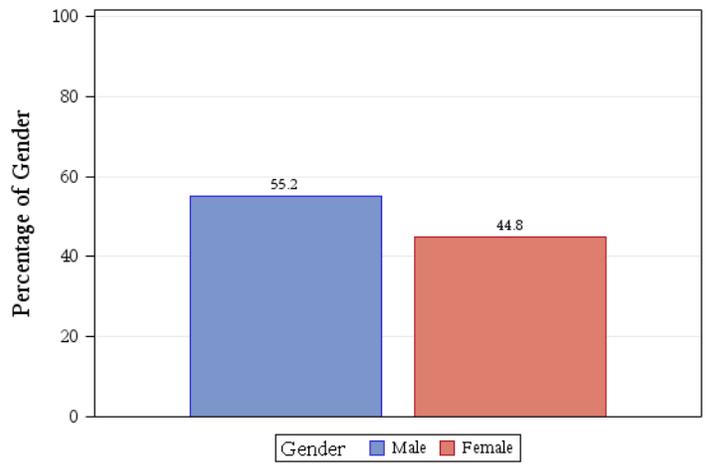
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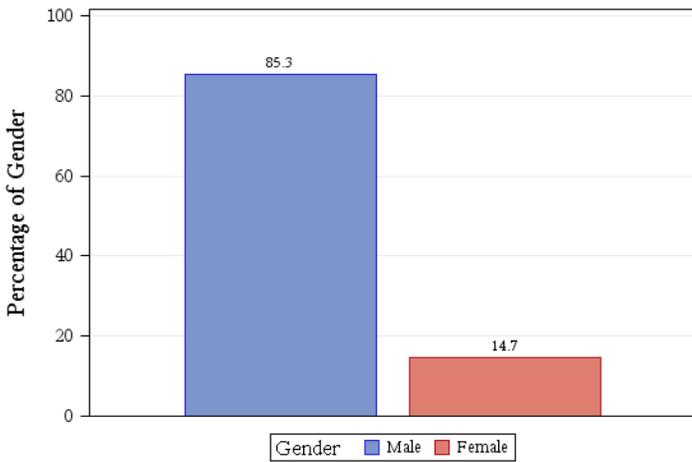
**Motorcycle
2012-2014**



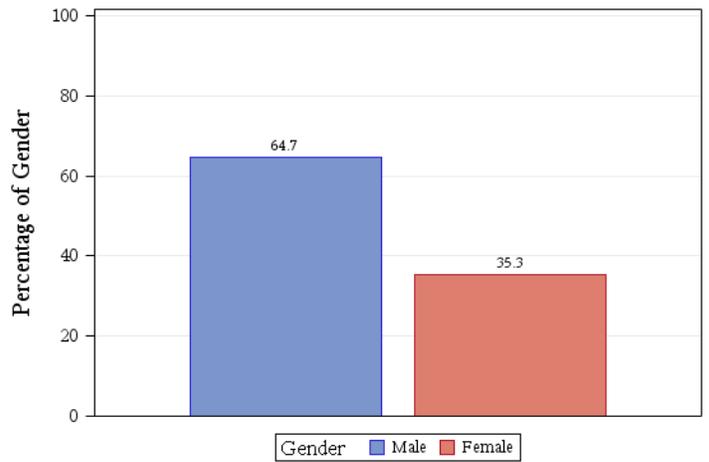
**Automobile
2012-2014**



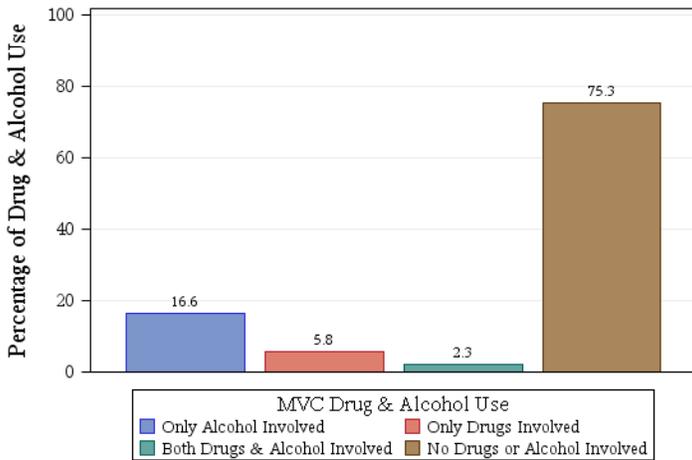
**Bicyclist
2012-2014**



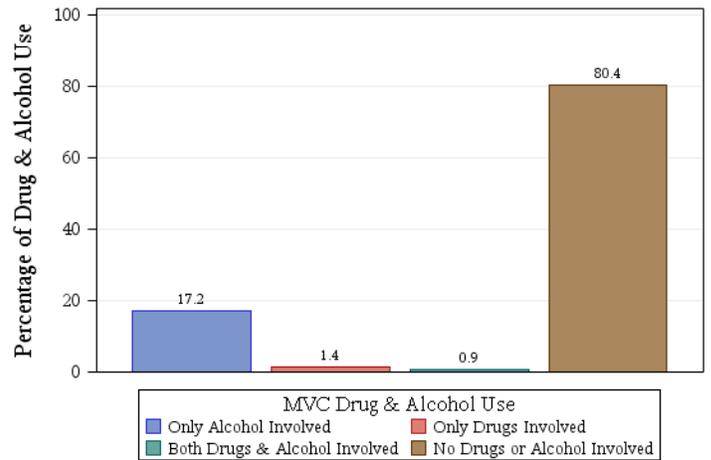
**Pedestrian
2012-2014**



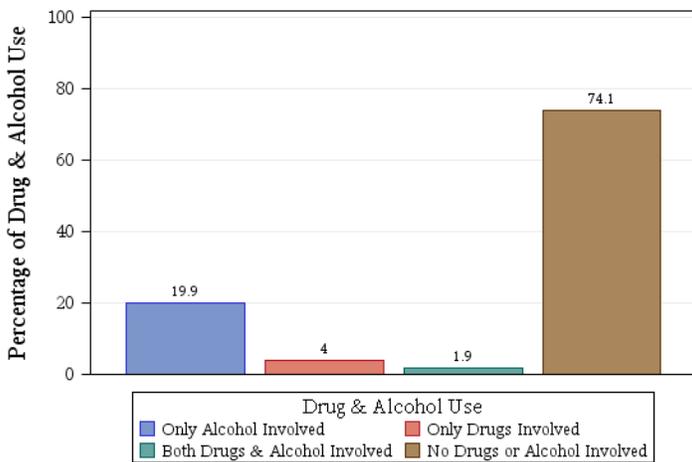
2012



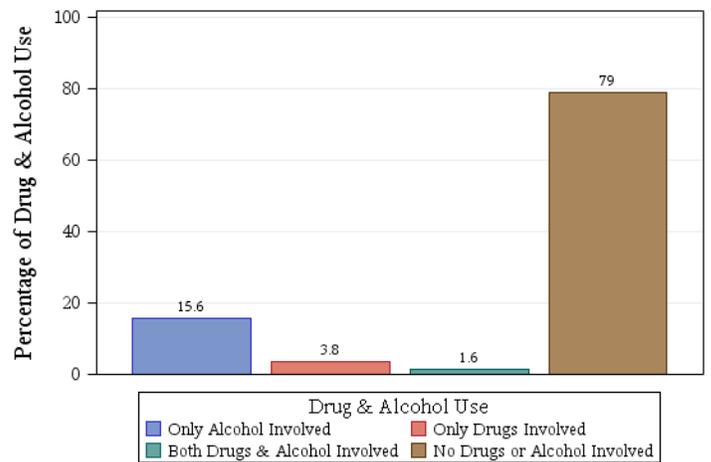
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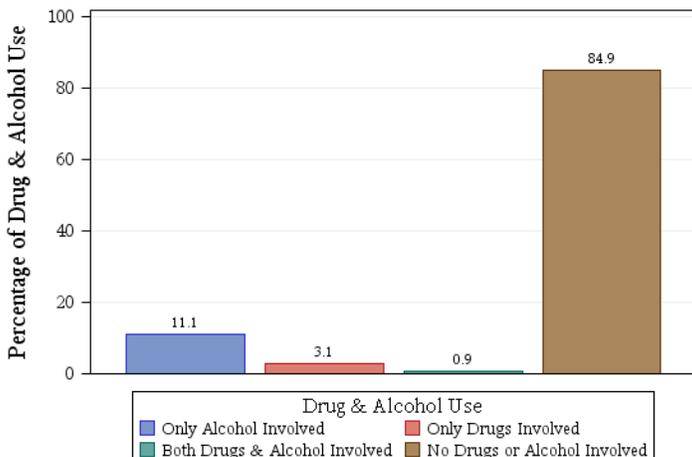
Motorcycle
2012-2014



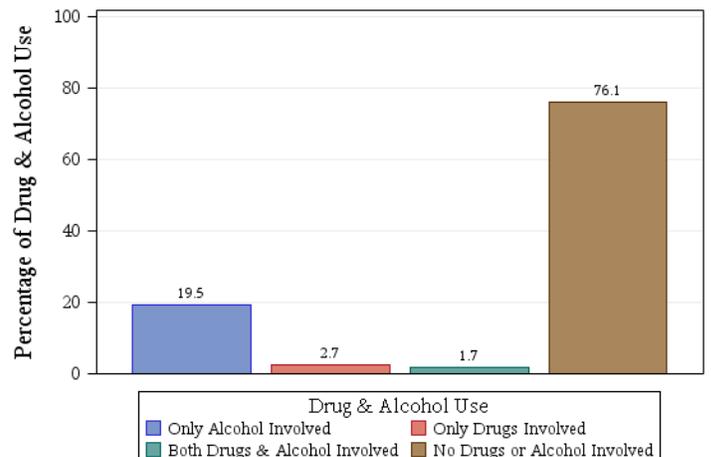
Automobile
2012-2014



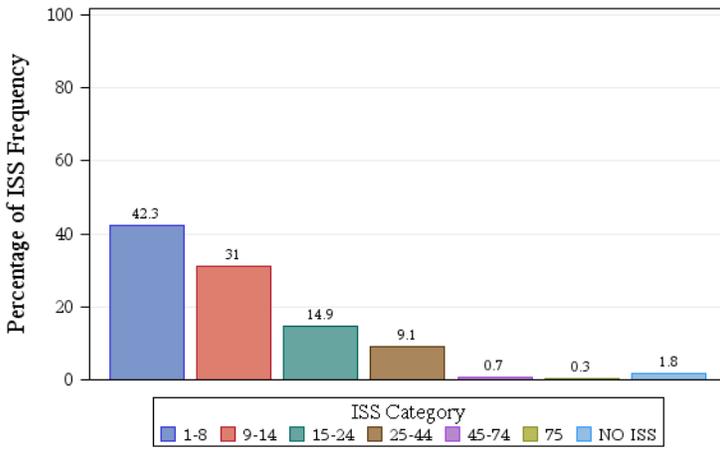
Bicyclist
2012-2014



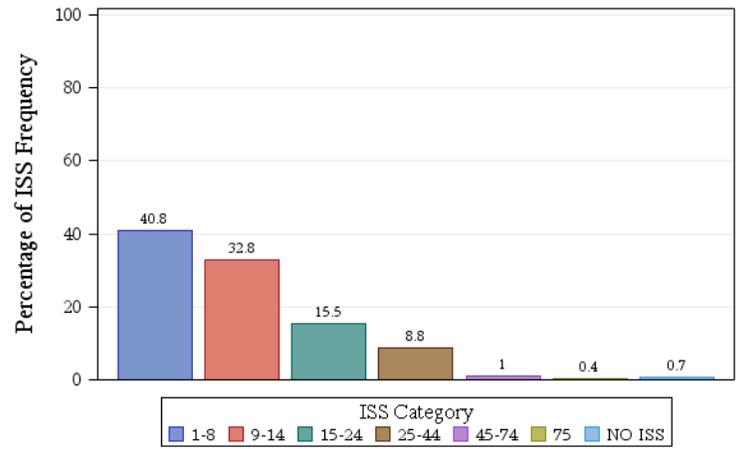
Pedestrian
2012-2014



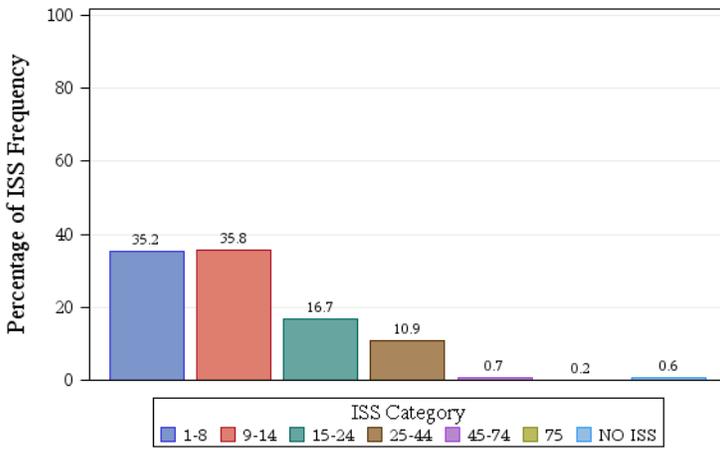
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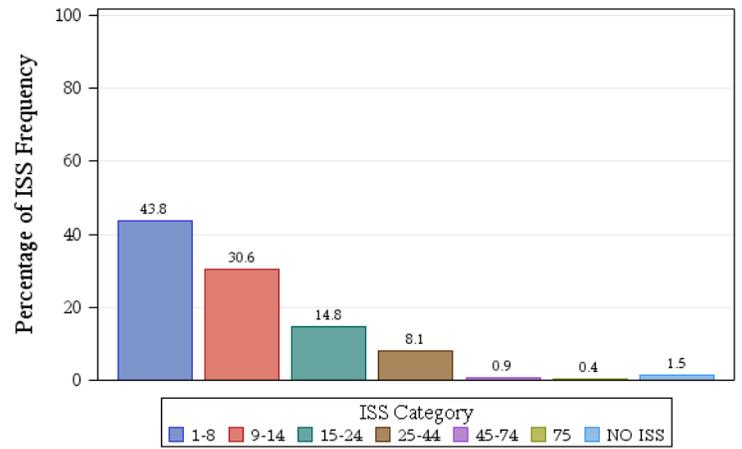
2013-2014



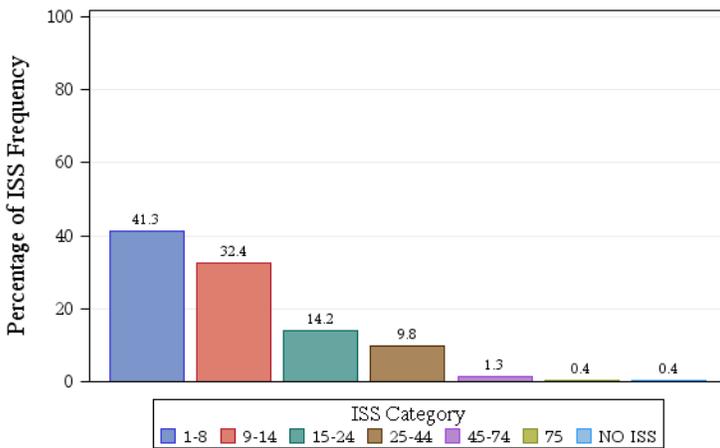
Motorcycle
2012-2014



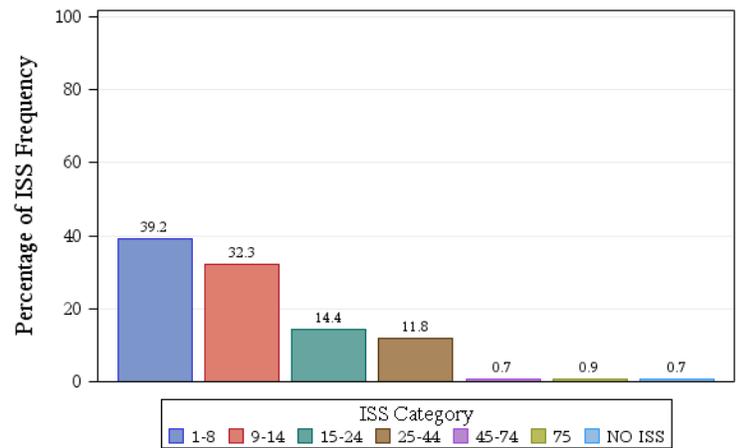
Automobile
2012-2014



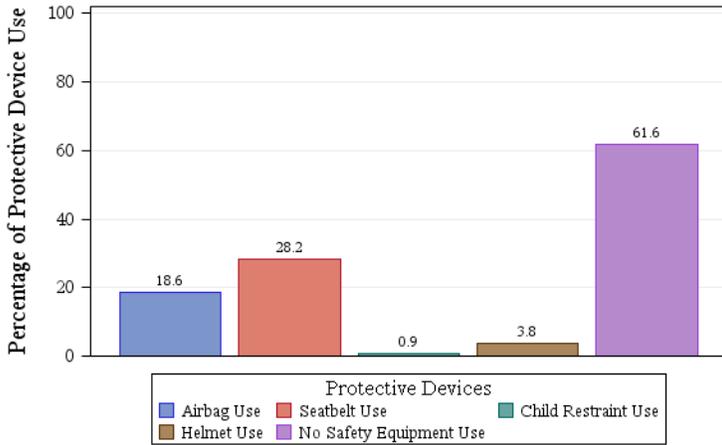
Bicyclist
2012-2014



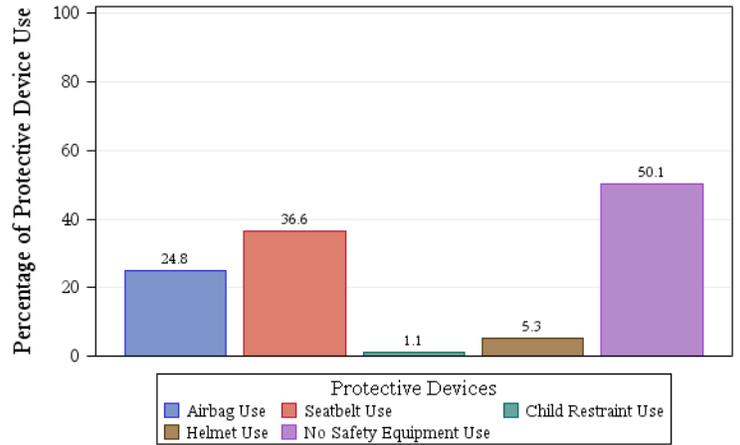
Pedestrian
2012-2014



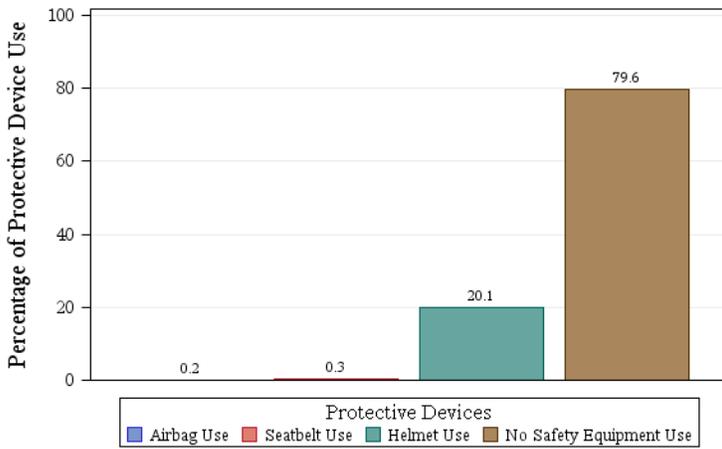
2012



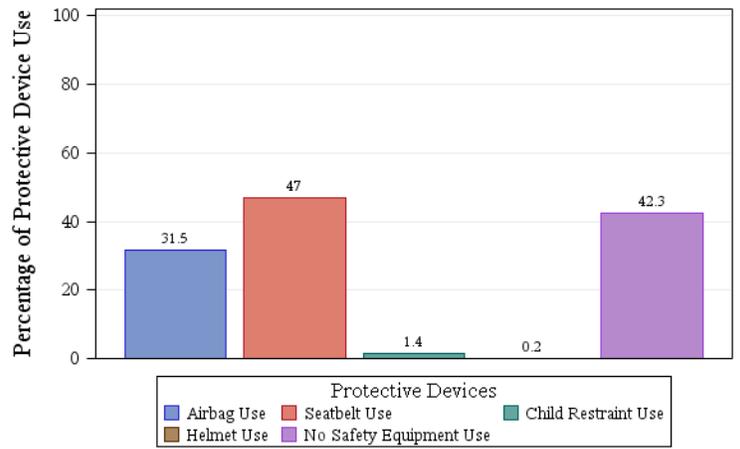
2013-2014



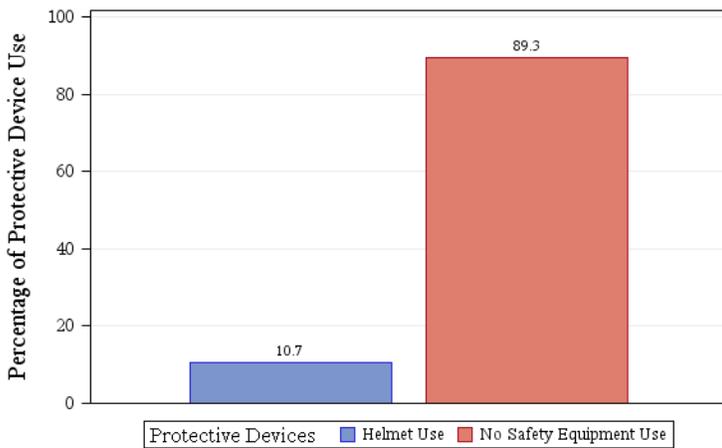
Motorcycle
2012-2014



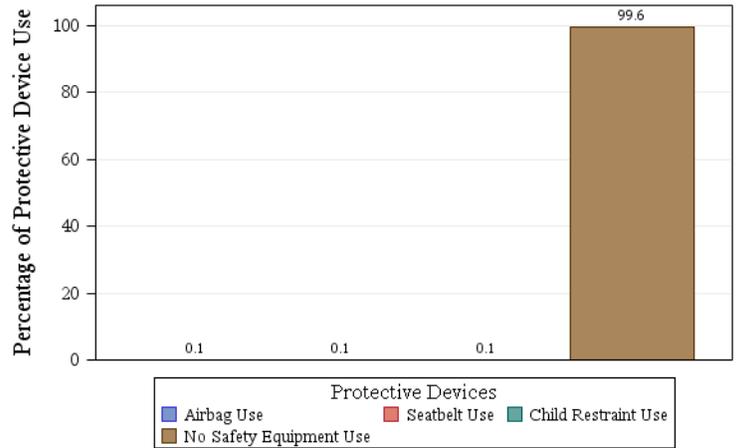
Automobile
2012-2014



Bicyclist
2012-2014



Pedestrian
2012-2014



Indiana Trauma Registry, March 1, 2013-February 28, 2014 MVC involving Drugs or Alcohol By Public Health Preparedness Districts

