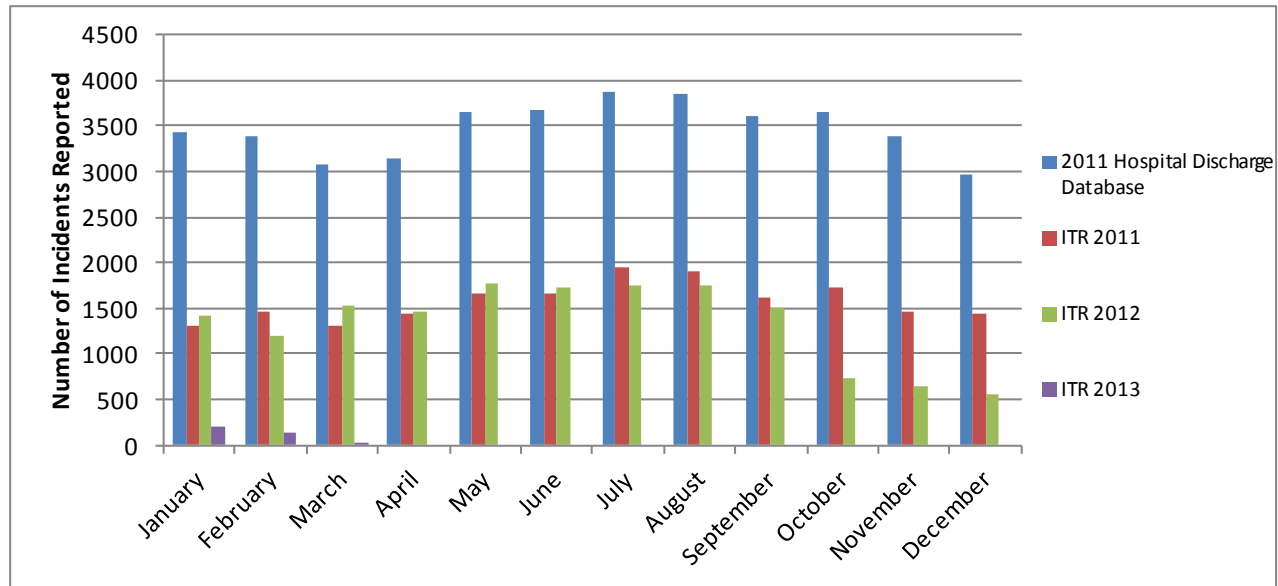


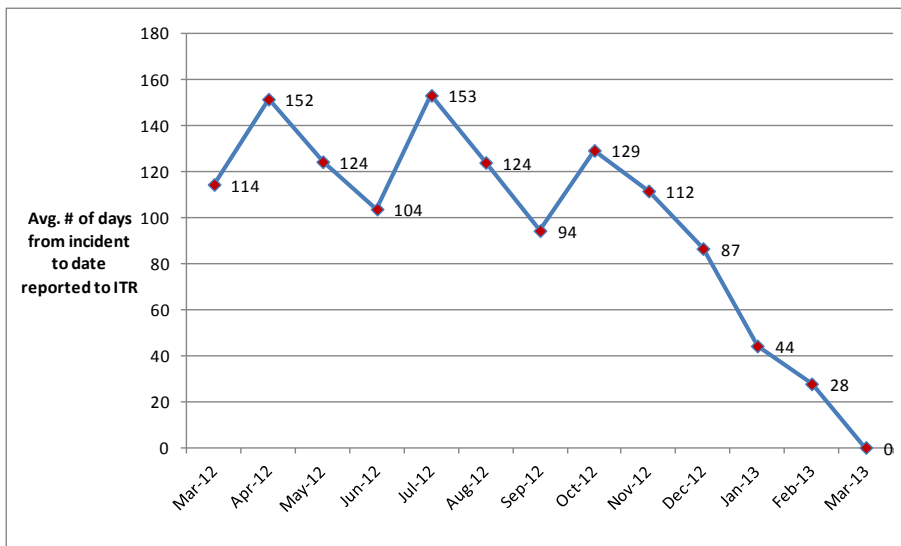
The Indiana Trauma Registry (ITR) monthly report is a dashboard style report for the Indiana Criminal Justice Institute (ICJI) and any other party concerned about trauma in Indiana. This report highlights the three data quality measures for the ICJI grant: completeness, timeliness, and uniformity. This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



Timeliness



Timeliness increases as facilities wait until the data submission deadline to submit data to the ITR. As of April 1, several trauma centers had not yet submitted Q4 2012 data. Q4 2012 data is due by May 1, 2013.

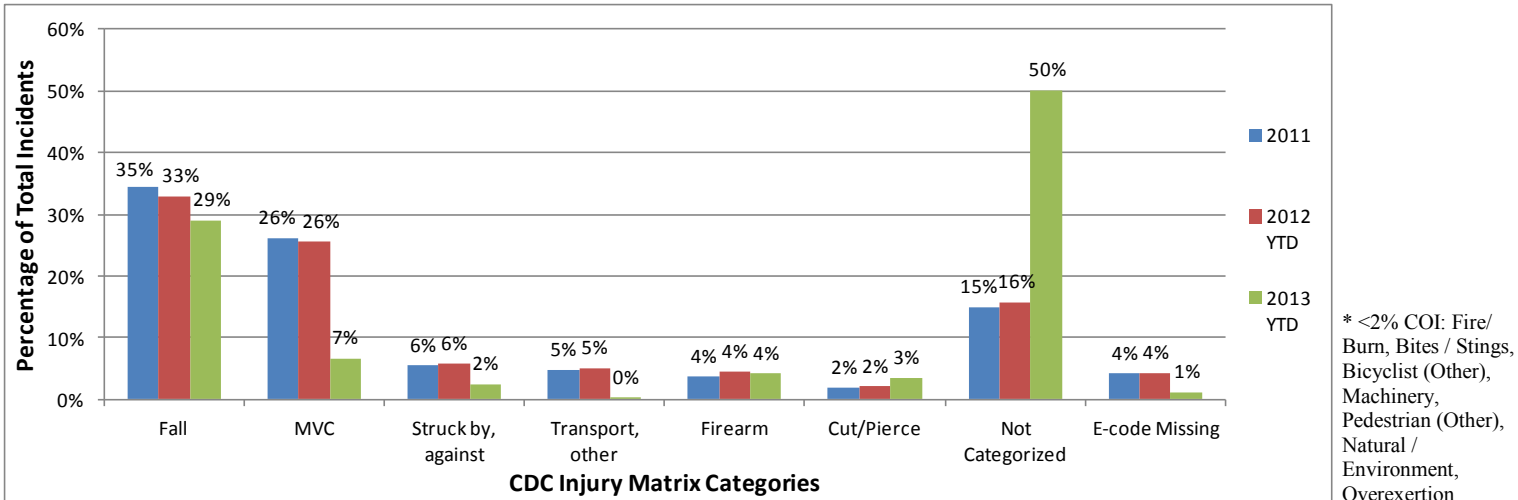
The decrease in timeliness from October 2012 until March 2013 is due to only timely reports being provided to the ITR during this time frame, typically from non-trauma hospitals and early reporting trauma centers.

Uniformity

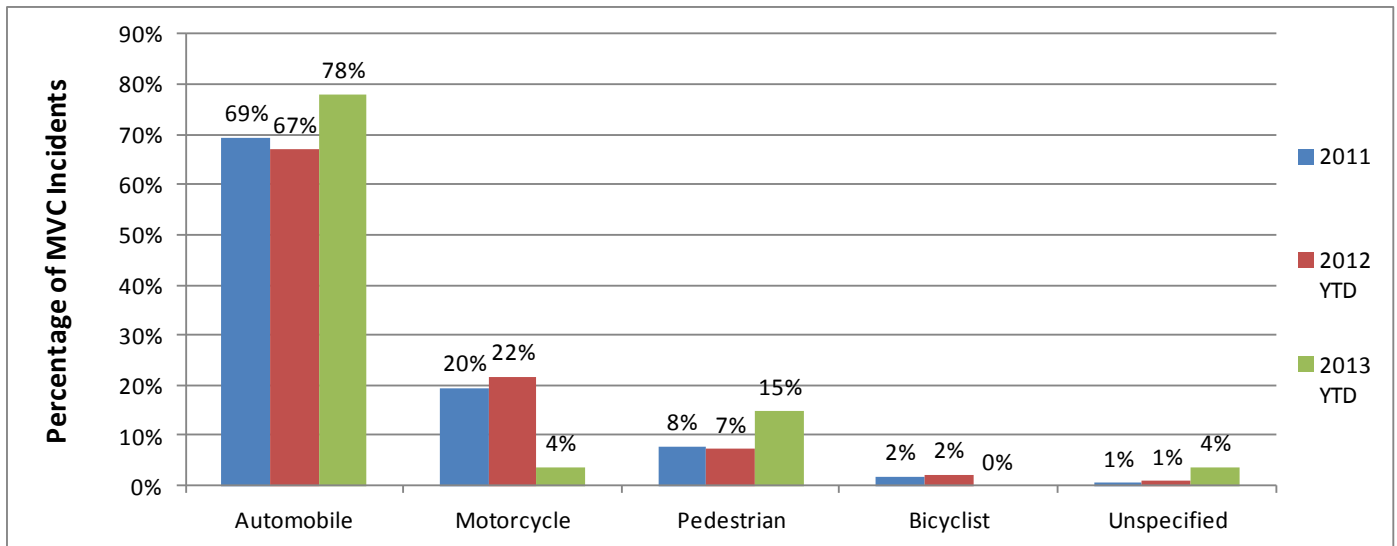
Actions to improve uniformity of data in the Indiana Trauma Registry:

- Conducted baseline inter-rater reliability study in 2012
- Will schedule follow-up inter-rater reliability study in 2013
 - One study case with a month to code per quarter appears to be the best format, according to a survey of trauma registrars
 - Working with American Trauma Society to provide cases for study
 - Looking at other sources of cases for study
- 2012 saw an increase in the number of certified specialists in trauma registry (CSTR) across the state from 2 to 5.
 - With formal training in data abstraction, uniformity should increase

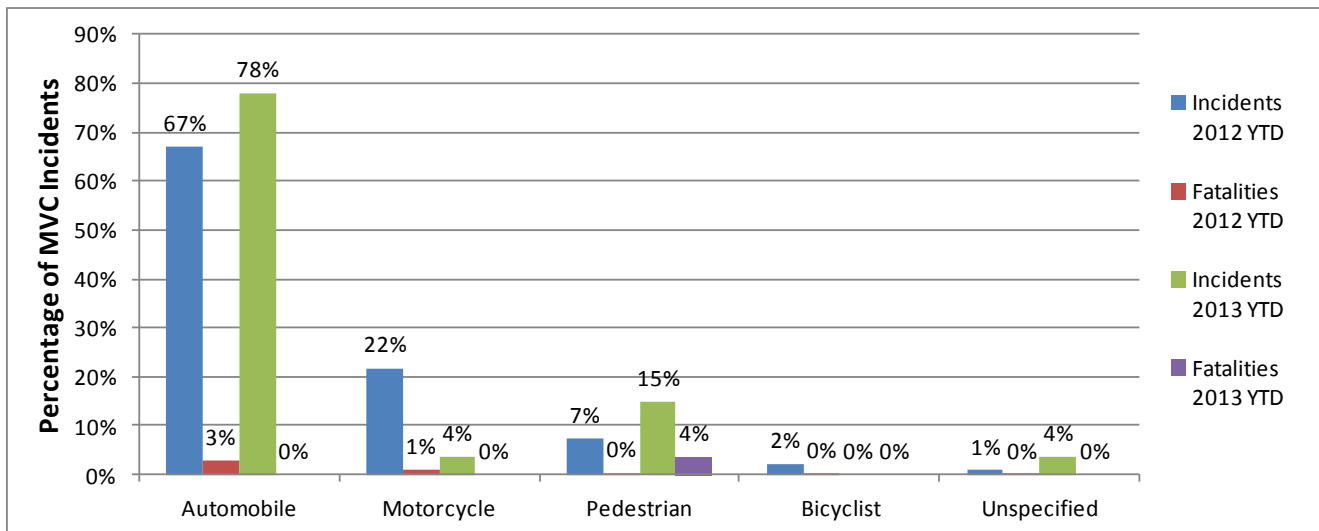
Cause of Injury (COI)



COI - Motor Vehicle Collision (MVC)



COI - MVC Incidents vs. Fatalities



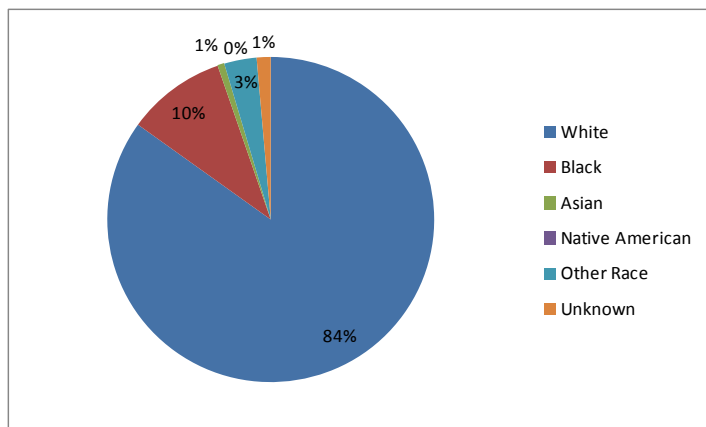
Indiana Trauma Registry

Motor Vehicle Collisions

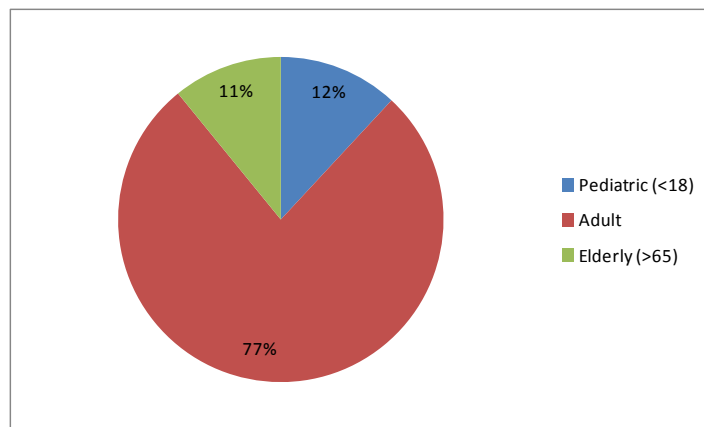
Apr. 2012 to Mar. 2013
3116 Incidents

9 Trauma Centers
30 (Non-Trauma) Hospitals
39 Total Hospitals Reporting

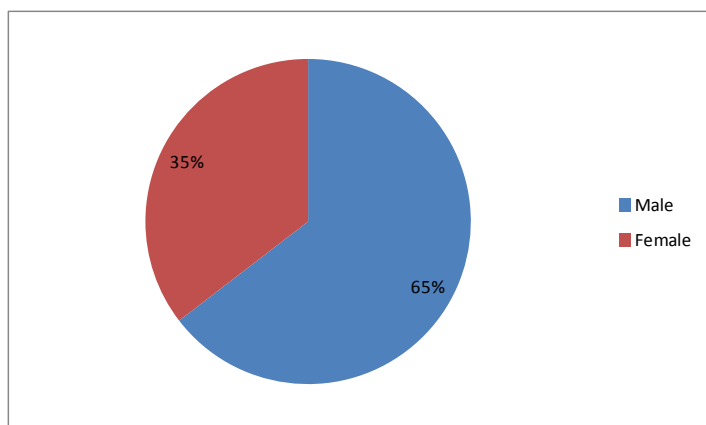
Race



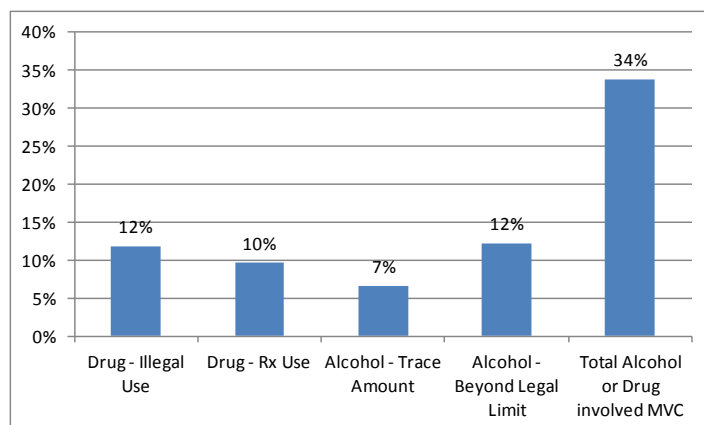
Age



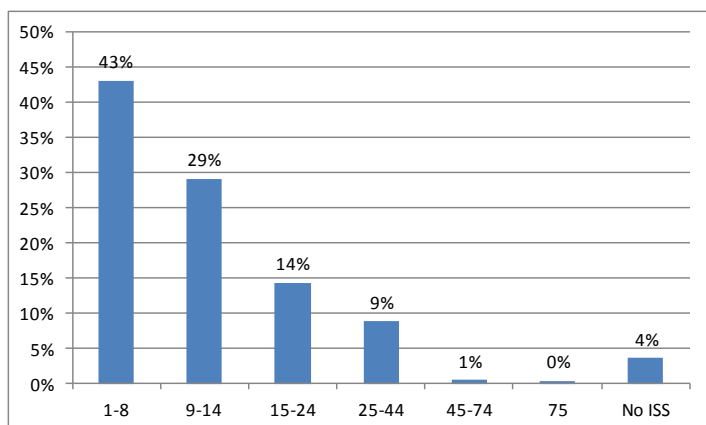
Gender



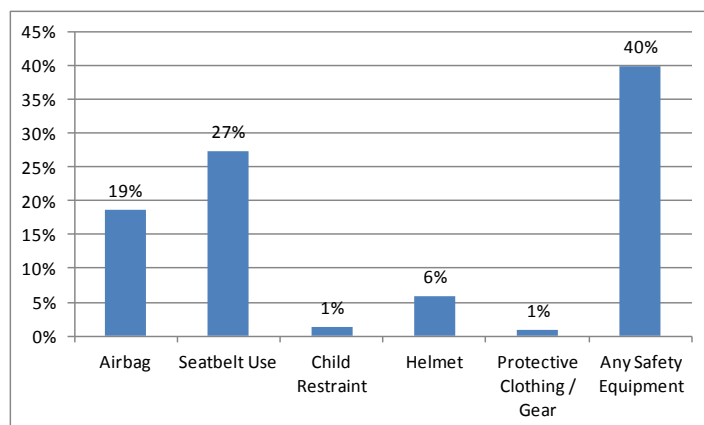
Drug & Alcohol Use



Injury Severity Score



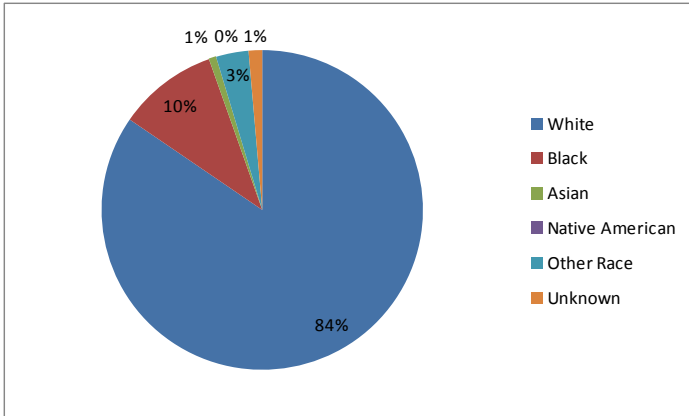
Protective Devices



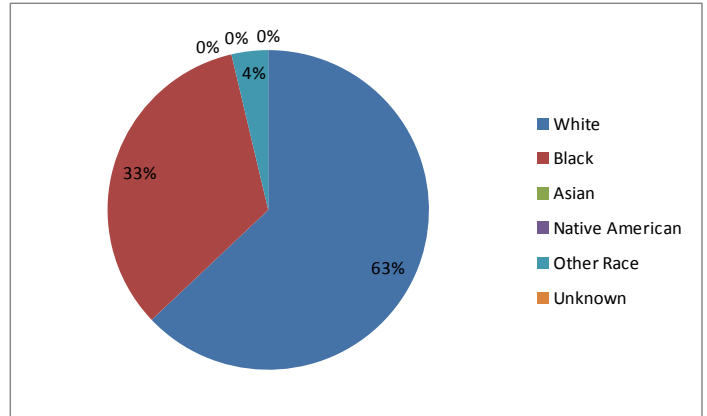
Injury Severity Score (ISS) is a measure of how bad the injury is. Scores over 15 are considered major trauma. A score of 75 is considered not survivable.

Motor Vehicle Collision

2012 - YTD



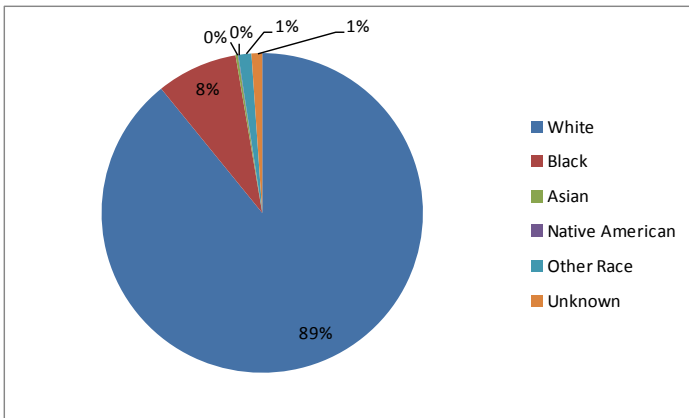
2013 - YTD*



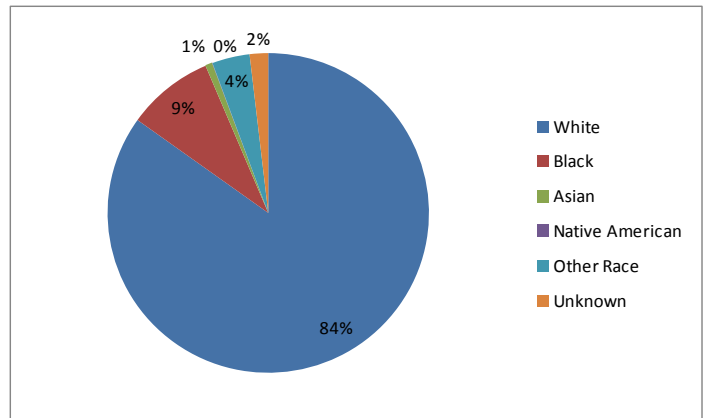
* Does not constitute a representative view of 2013 trauma.

2012 - 2013 (YTD)

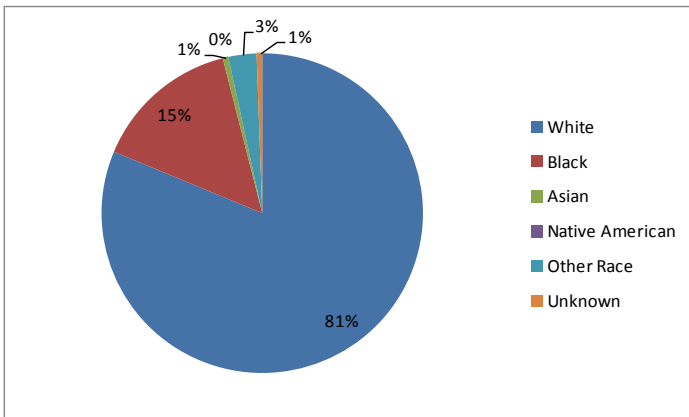
Motorcycle



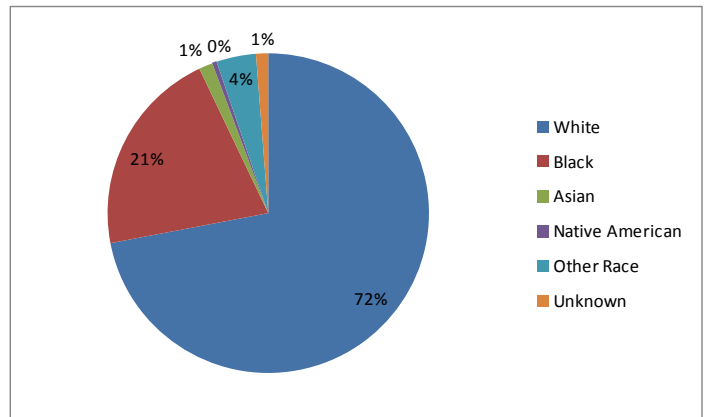
Automobile



Bicyclist

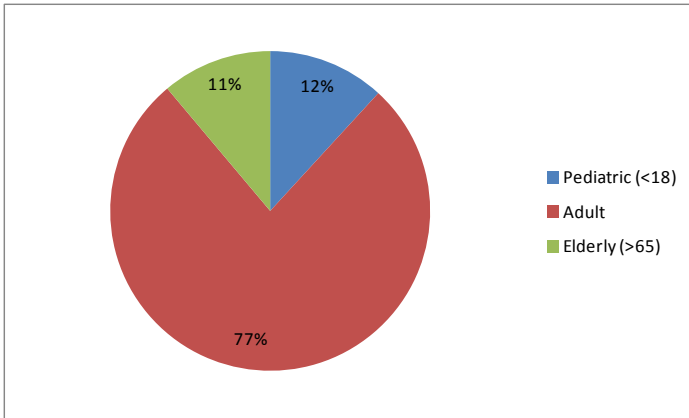


Pedestrian

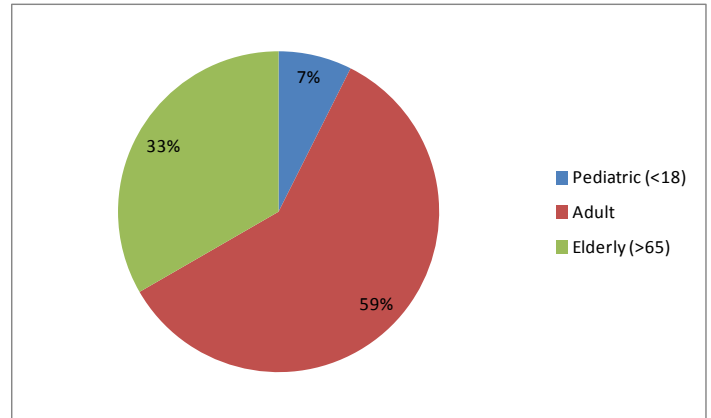


Motor Vehicle Collision

2012 - YTD



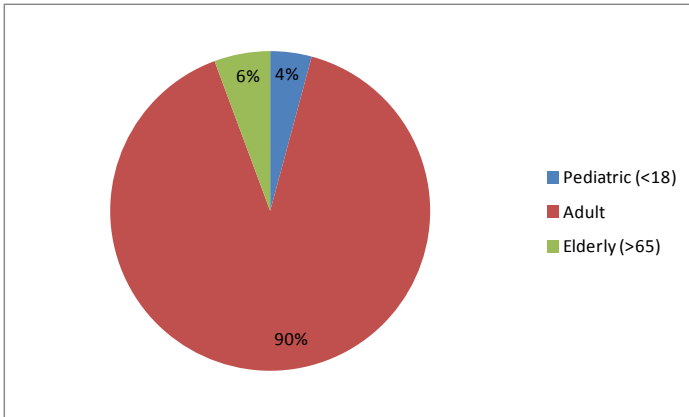
2013 - YTD*



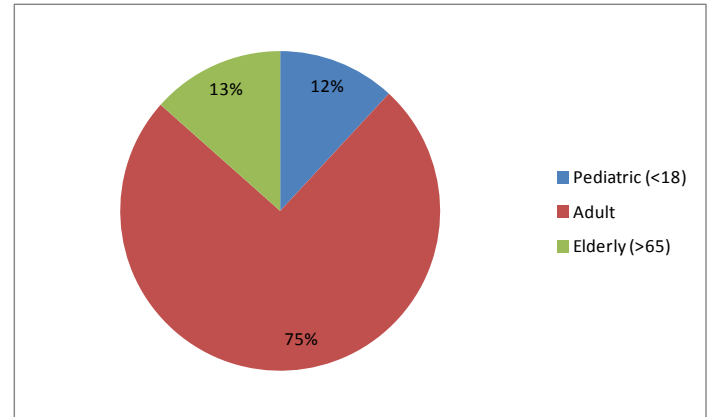
* Does not constitute a representative view of 2013 trauma.

2012 - 2013 (YTD)

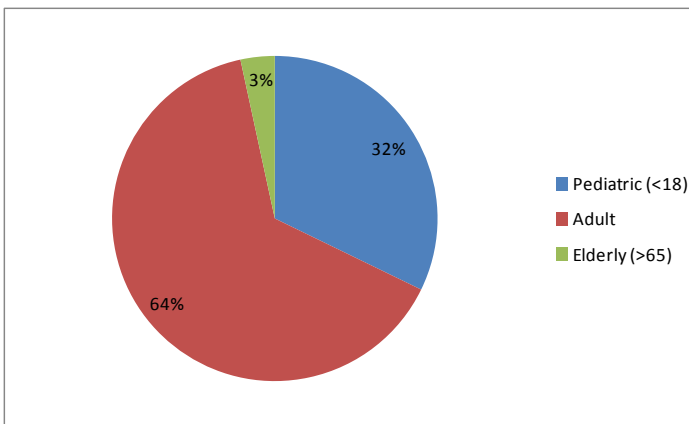
Motorcycle



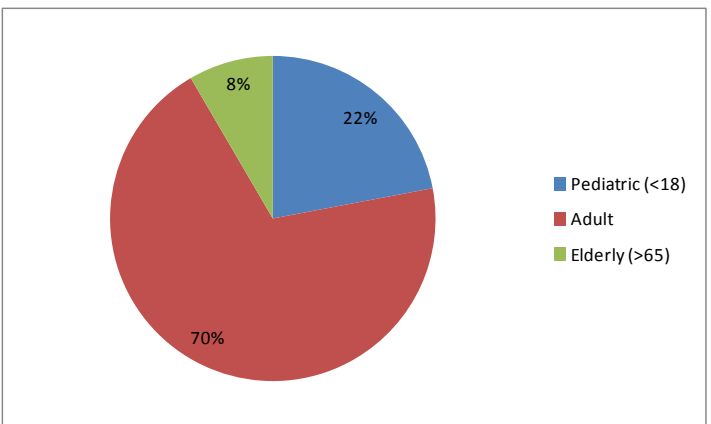
Automobile



Bicyclist

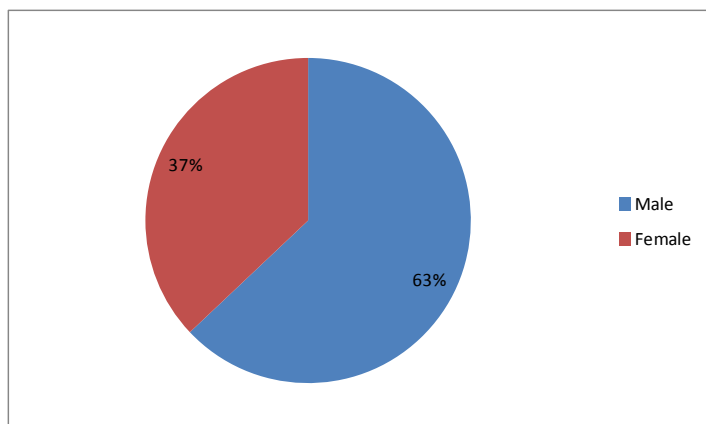


Pedestrian

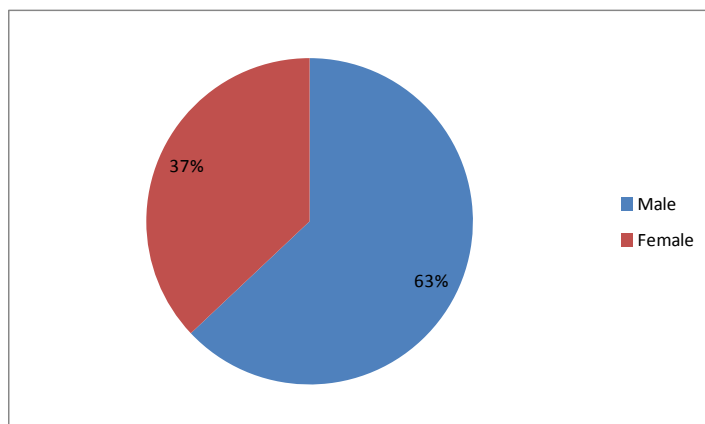


Motor Vehicle Collision

2012 - YTD

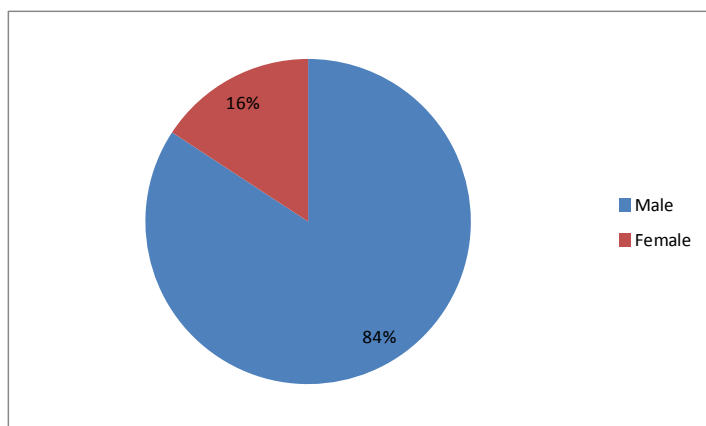


2013 - YTD

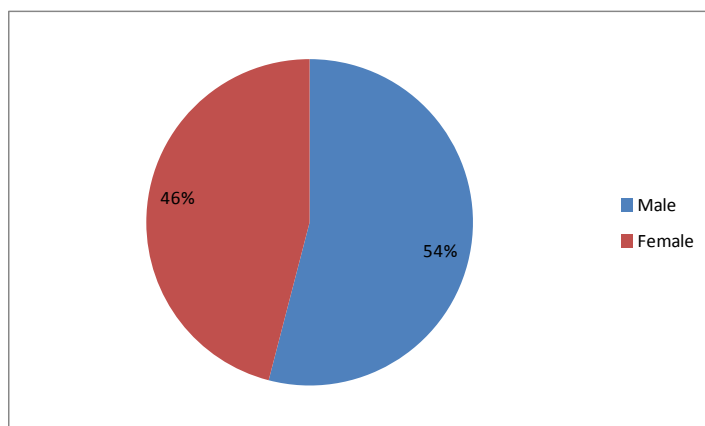


2012 - 2013 (YTD)

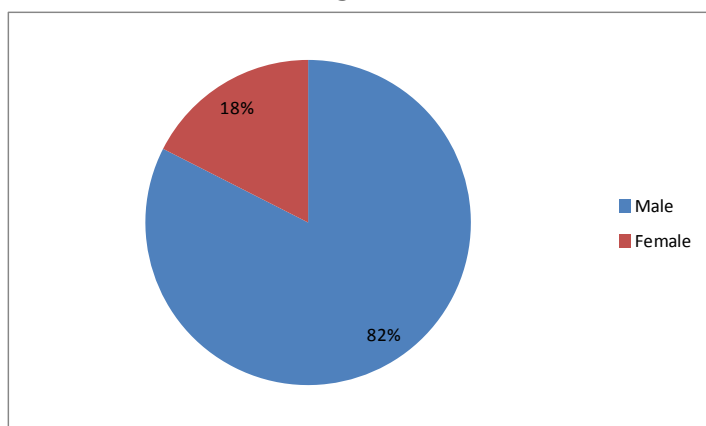
Motorcycle



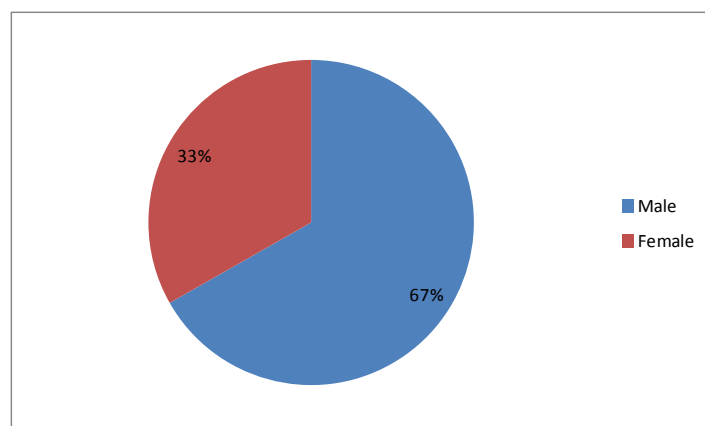
Automobile



Bicyclist

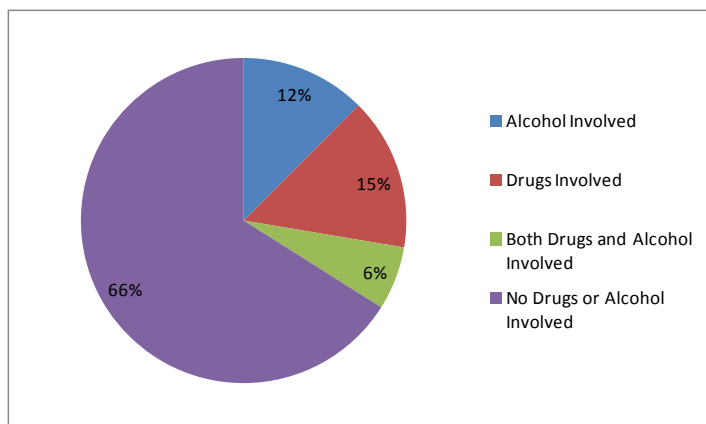


Pedestrian

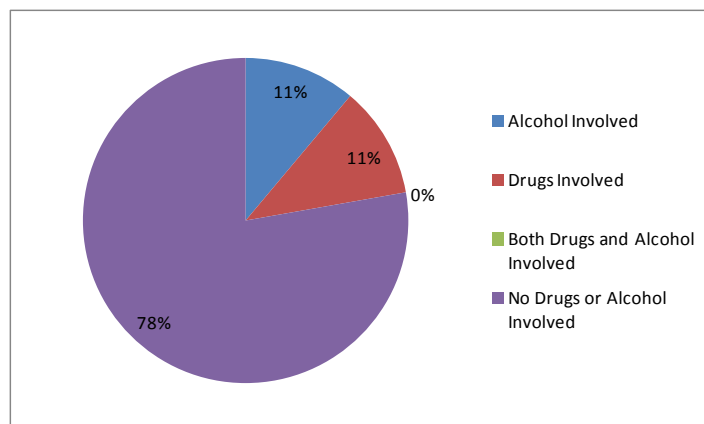


Motor Vehicle Collision

2012 - YTD



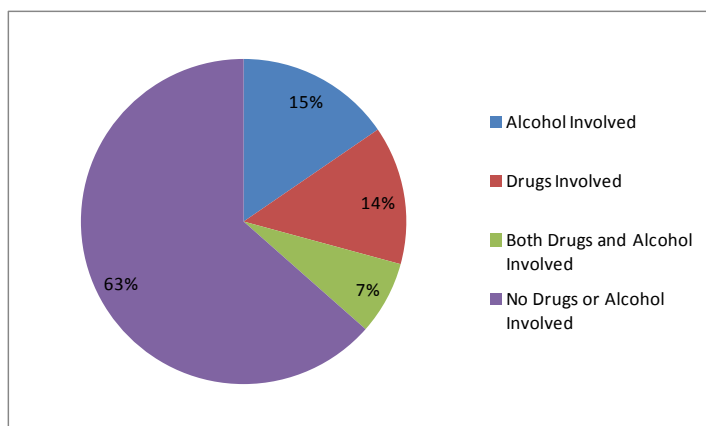
2013 - YTD*



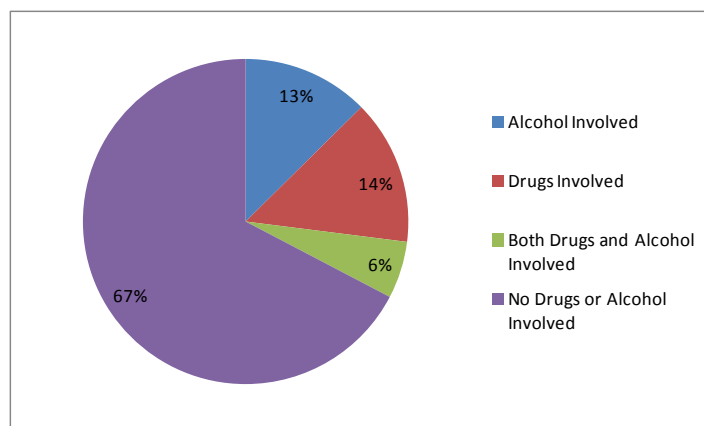
* Does not constitute a representative view of 2013 trauma.

2012 - 2013 (YTD)

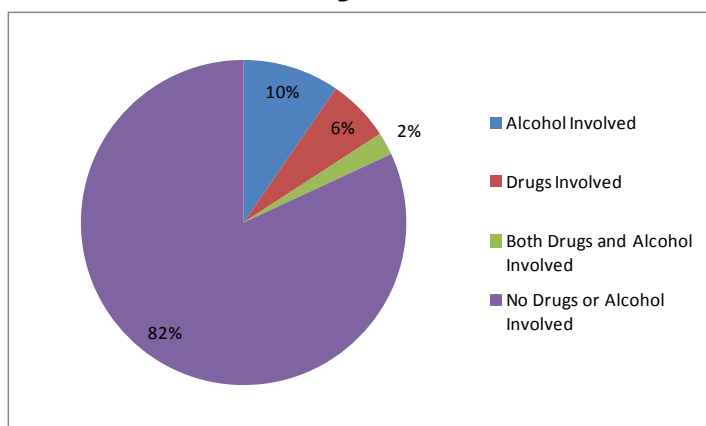
Motorcycle



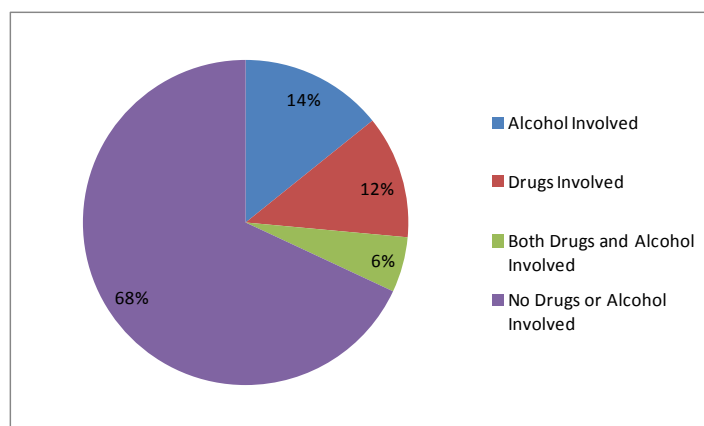
Automobile



Bicyclist

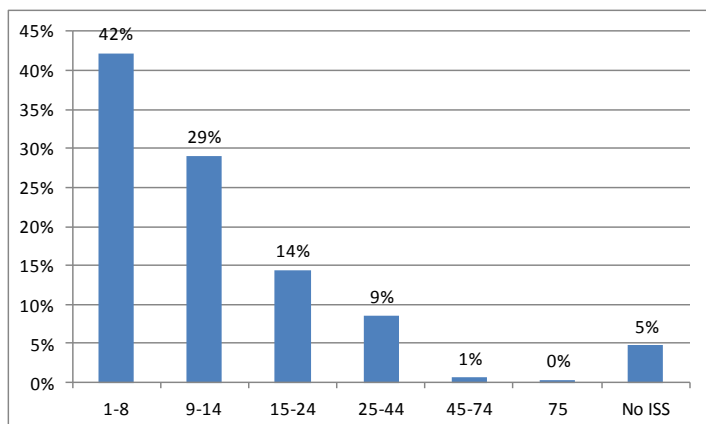


Pedestrian

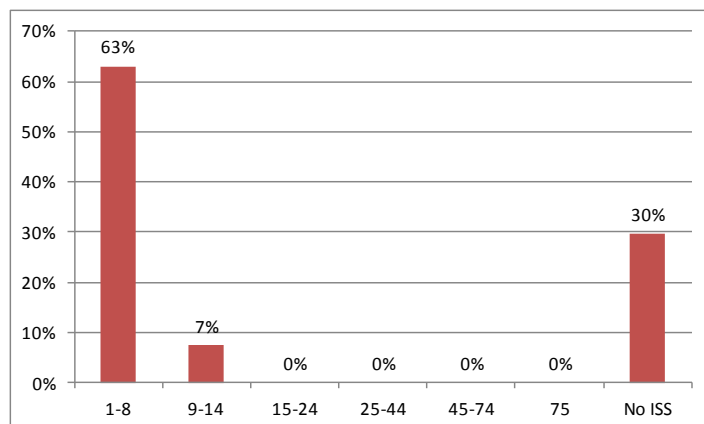


Motor Vehicle Collision

2012 - YTD



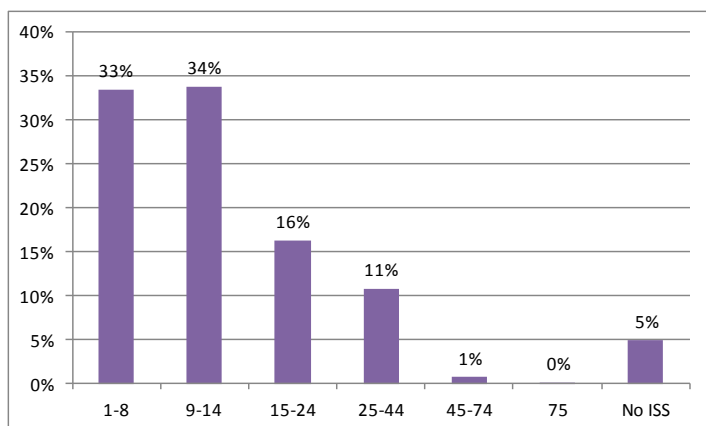
2013 - YTD*



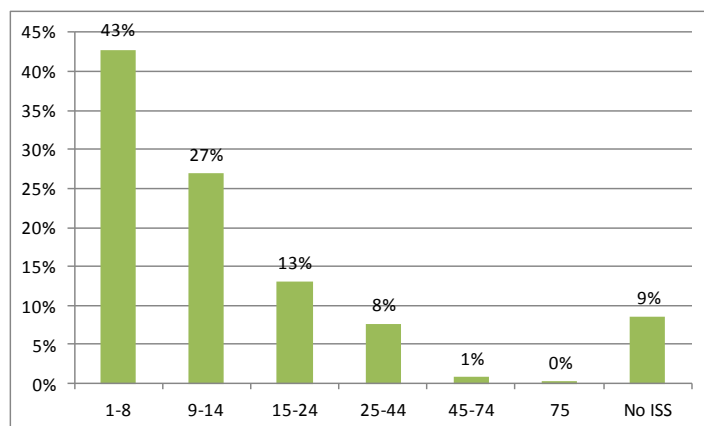
* Does not constitute a representative view of 2013 trauma.

2012 - 2013 (YTD)

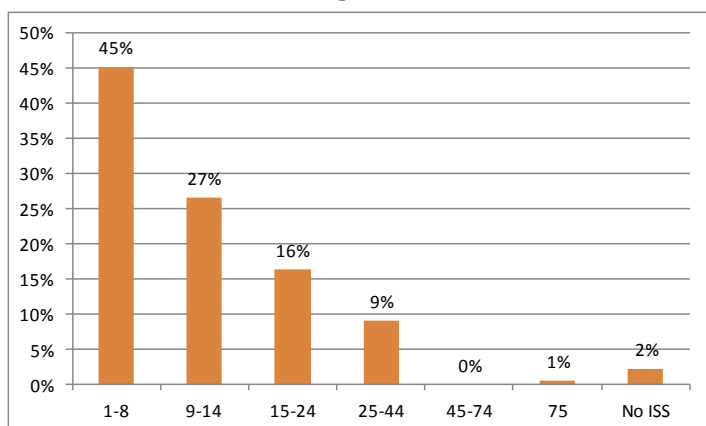
Motorcycle



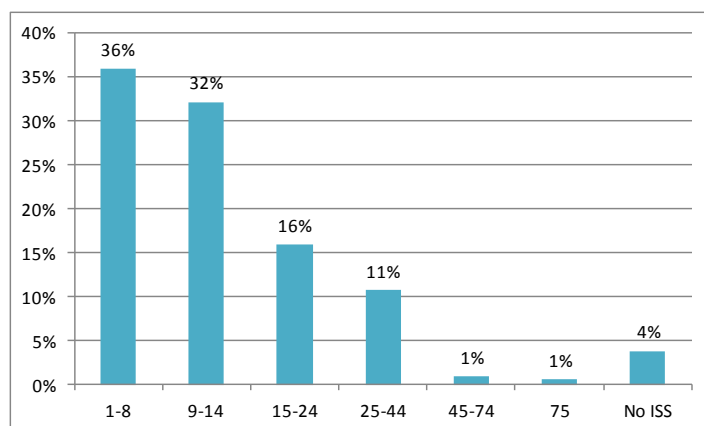
Automobile



Bicyclist

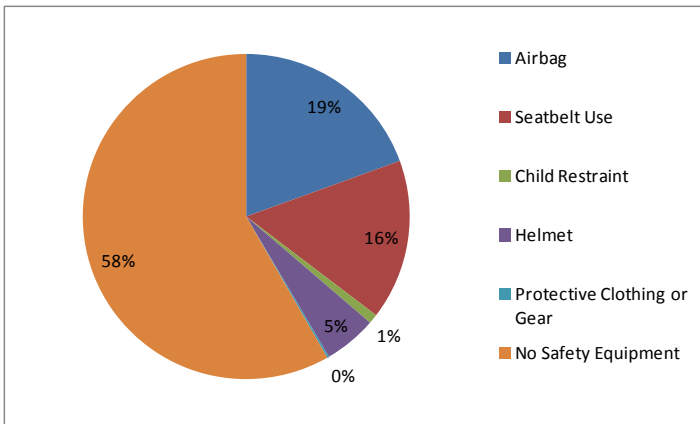


Pedestrian

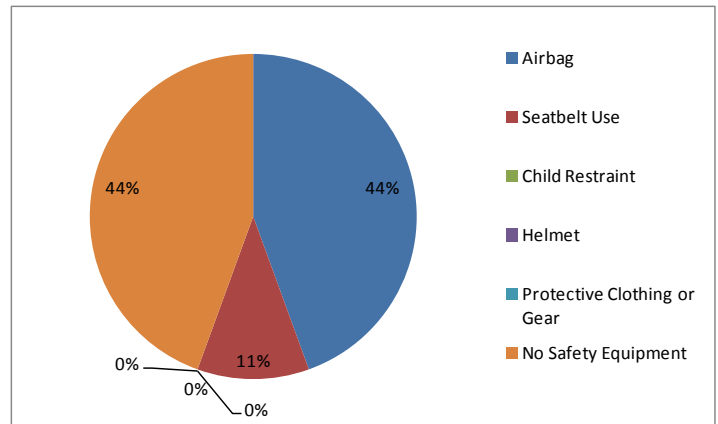


Motor Vehicle Collision

2012 - YTD



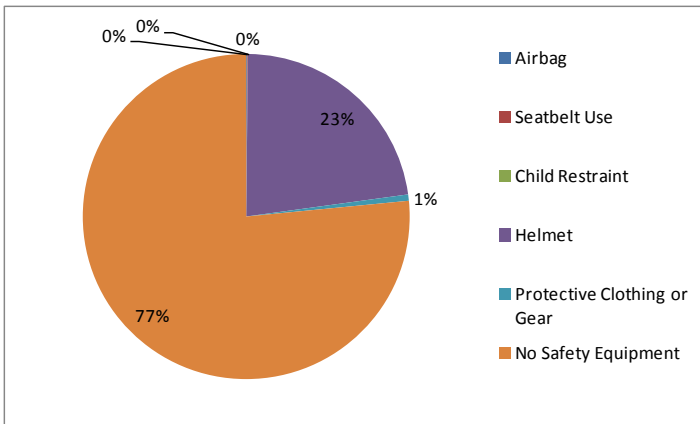
2013 - YTD*



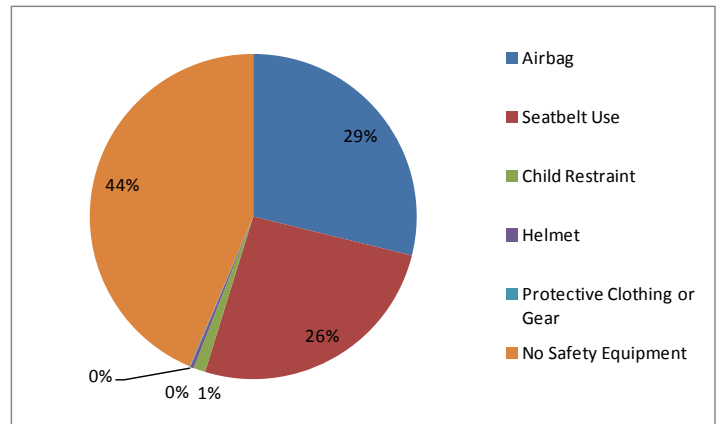
* Does not constitute a representative view of 2013 trauma.

2012 - 2013 (YTD)

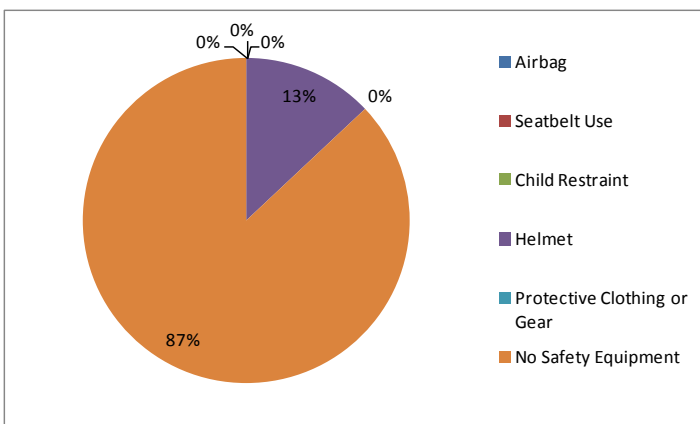
Motorcycle



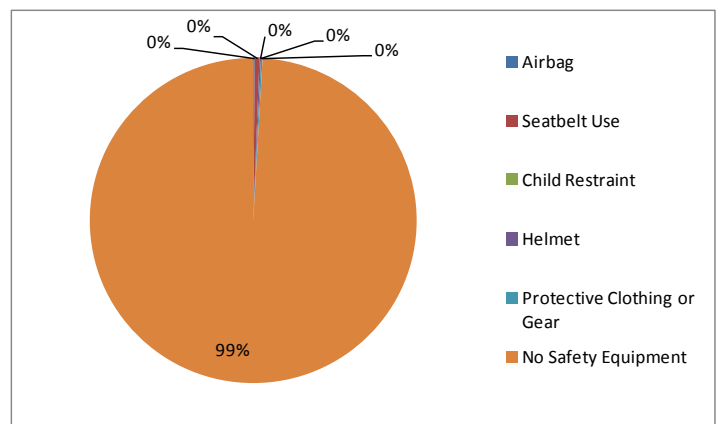
Automobile



Bicyclist



Pedestrian



Indiana Trauma Registry

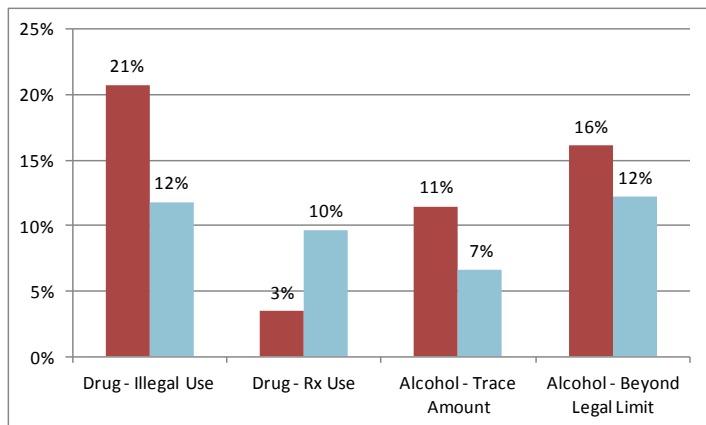
MVC involving Drugs or Alcohol

3116 incidents from Apr. 1, 2012 to Mar. 31, 2013

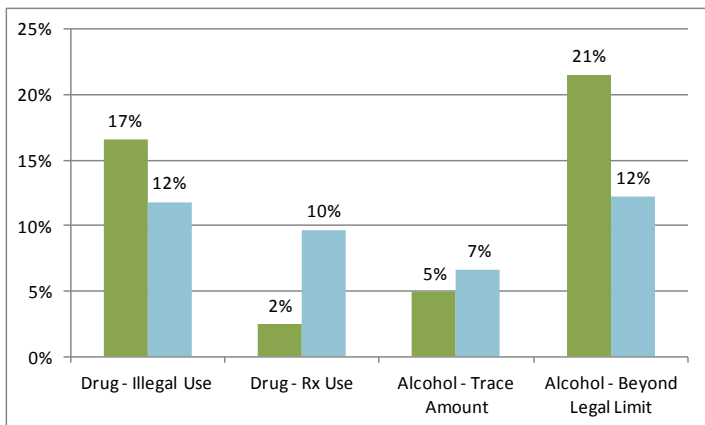
By Public Health Preparedness Districts

■ Indiana Average

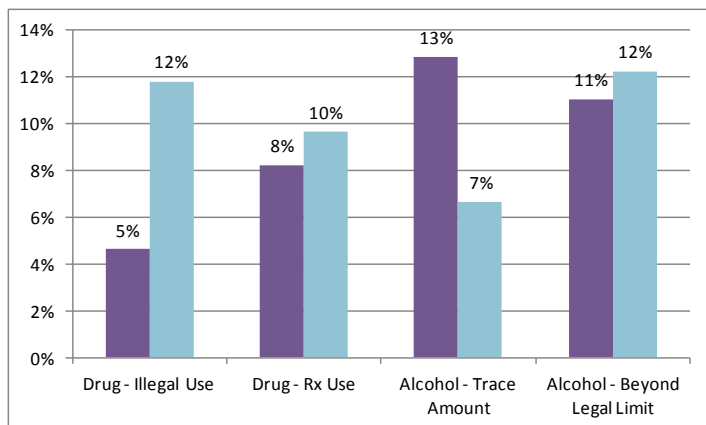
District 1 n=87



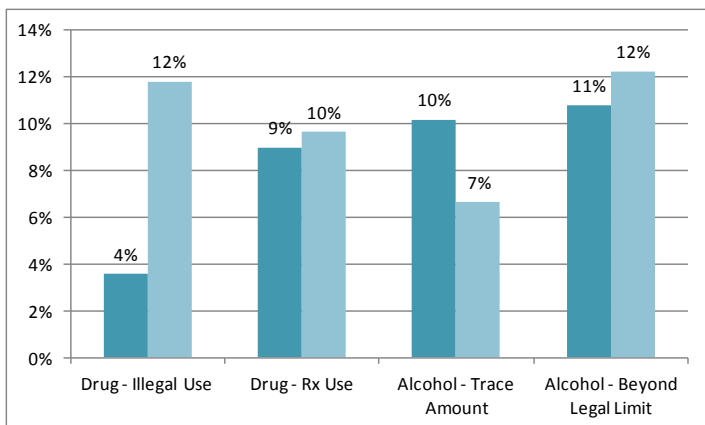
District 2 n=163



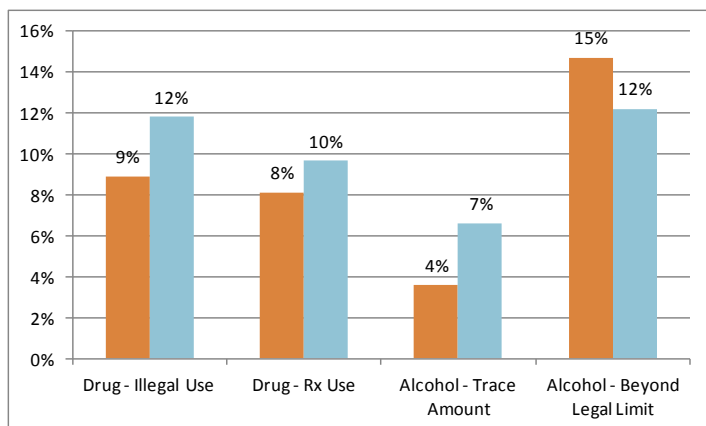
District 3 n=389



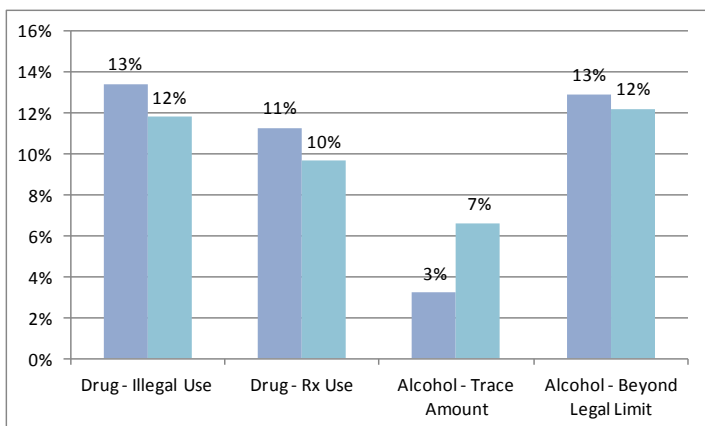
District 4 n=167



District 5 n=639



District 6 n=186



Percentage of MVC incidents where the patients tested positive for drugs or alcohol

Indiana Trauma Registry

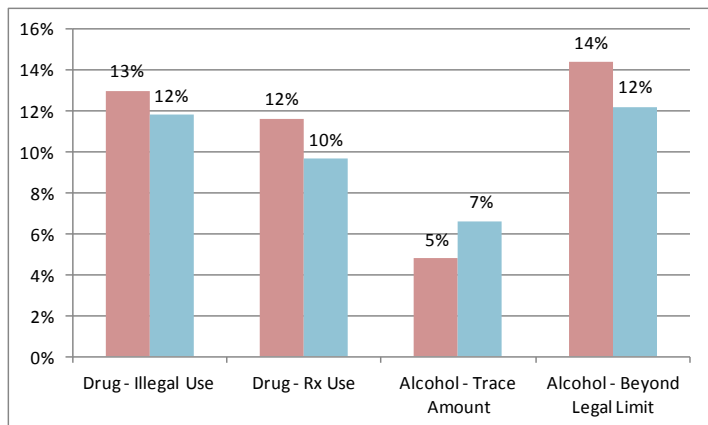
MVC involving Drugs or Alcohol

3116 incidents from Apr. 1, 2012 to Mar. 31, 2013

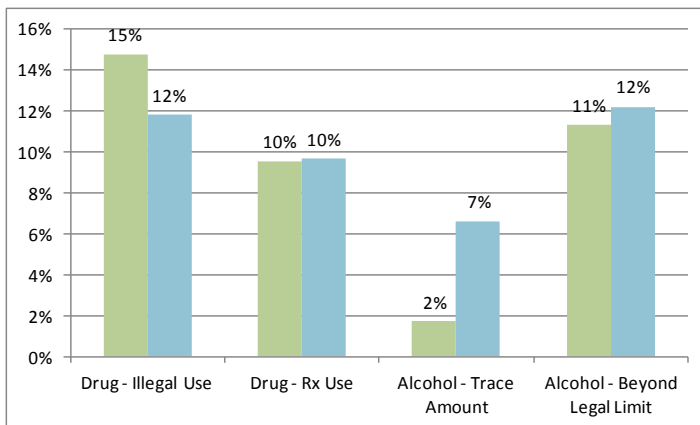
By Public Health Preparedness Districts

Indiana Average

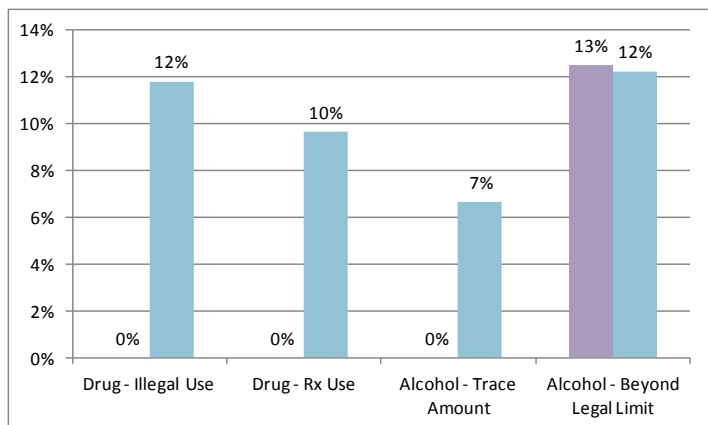
District 7 n=146



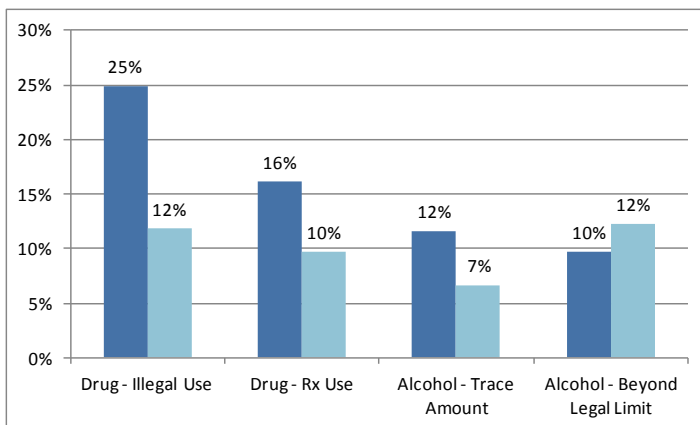
District 8 n=115



District 9 n=9



District 10 n=310



Percentage of MVC incidents where the patients tested positive for drugs or alcohol