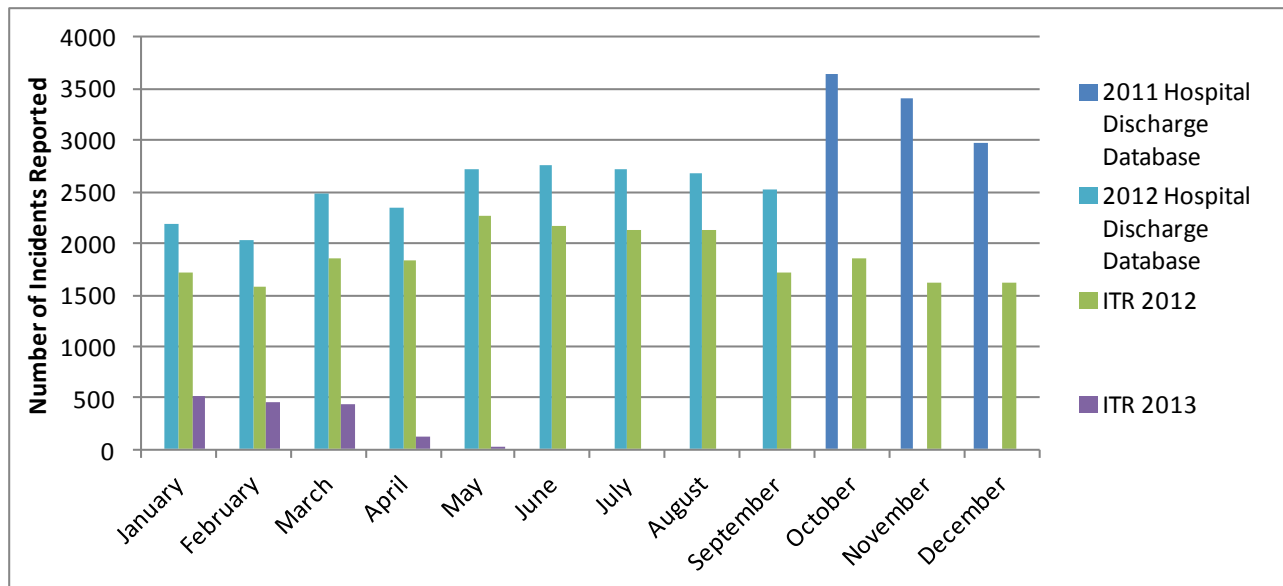


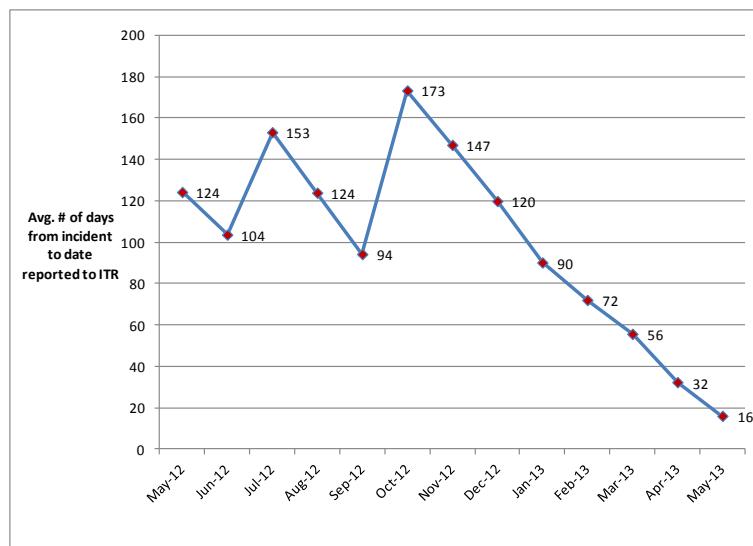
The Indiana Trauma Registry (ITR) monthly report is a dashboard style report for the Indiana Criminal Justice Institute (ICJI) and any other party concerned about trauma in Indiana. This report highlights the three data quality measures for the ICJI grant: completeness, timeliness, and uniformity. This 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. We have received preliminary 2012 hospital discharge data which may not be complete.



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.

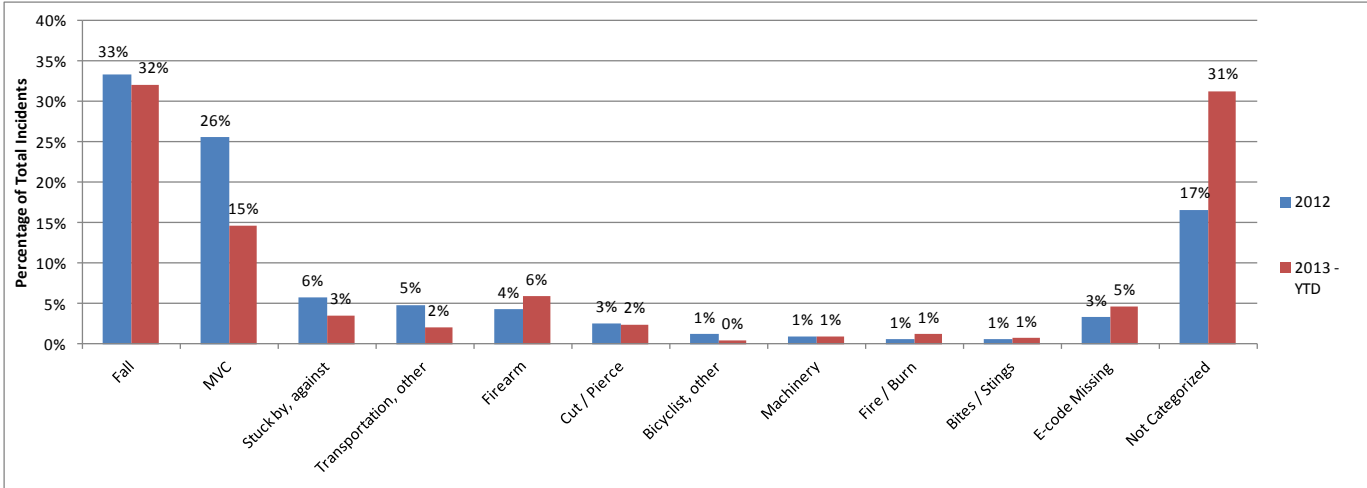
The decrease in timeliness from December 2012 until May 2013 is due to only timely reports being provided to the ITR during this time frame, typically from non-trauma hospitals and early reporting trauma centers.

Uniformity

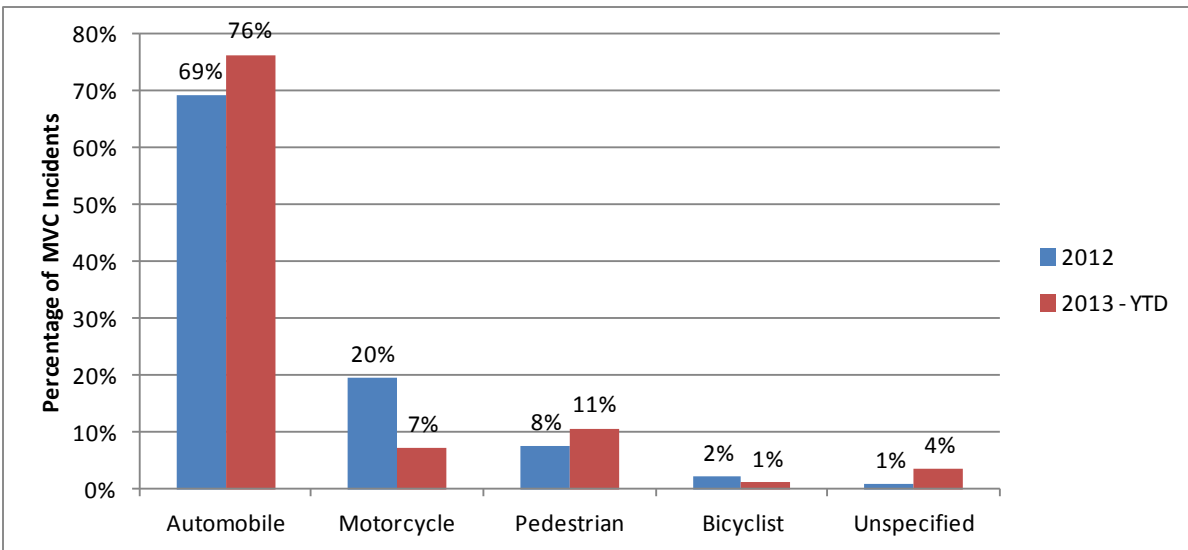
Actions to improve uniformity of data in the Indiana Trauma Registry:

- 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

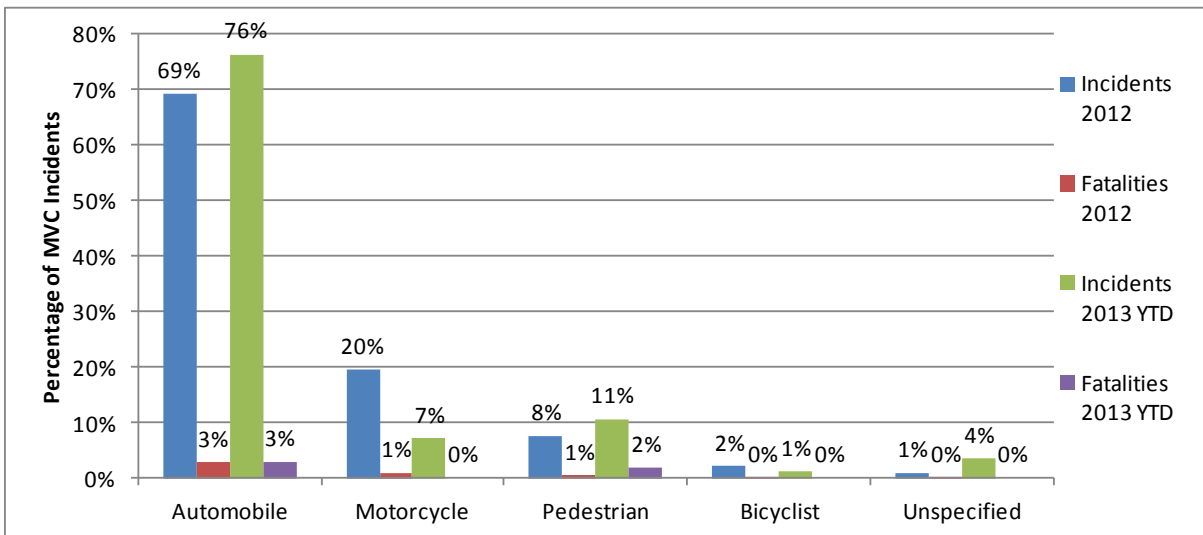
Cause of Injury (COI)



COI - Motor Vehicle Collision (MVC)



COI - MVC Incidents vs. Fatalities



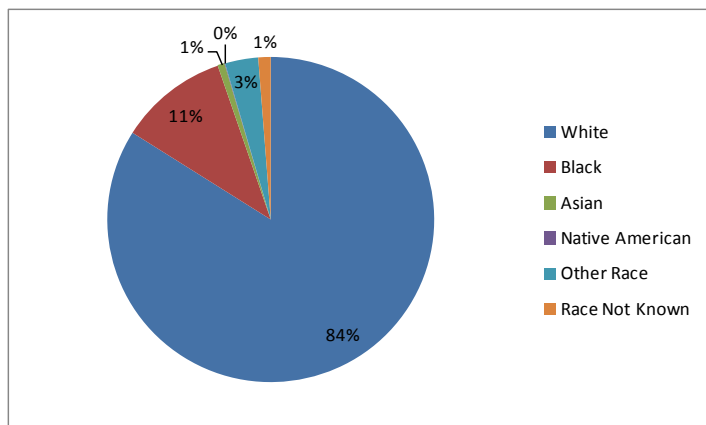
Indiana Trauma Registry

Motor Vehicle Collisions

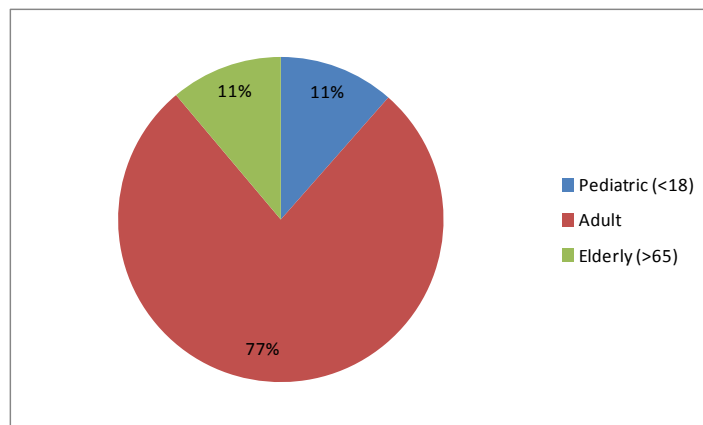
Jun. 2012 to May 2013
3351 Incidents

9 Trauma Centers
38 (Non-Trauma) Hospitals
47 Total Hospitals Reporting

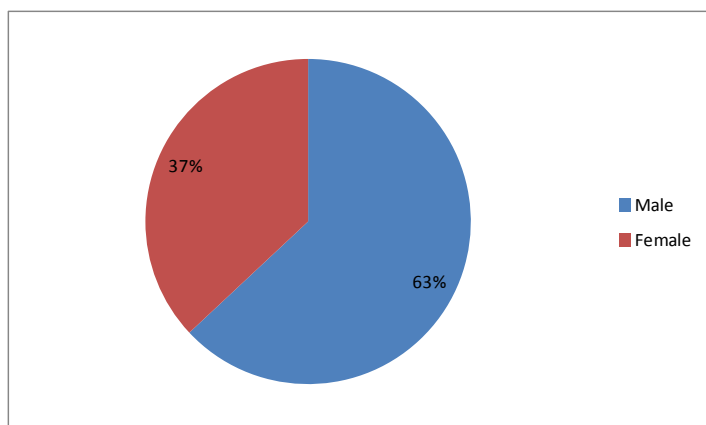
Race



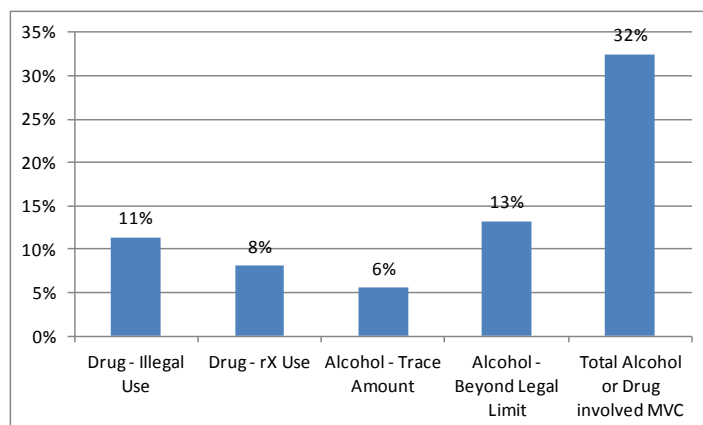
Age



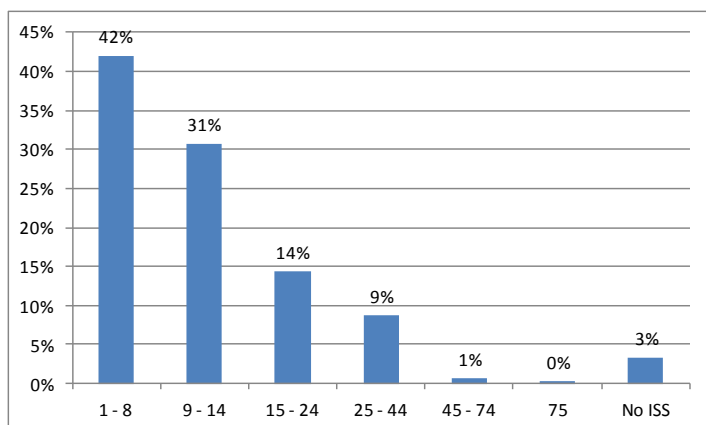
Gender



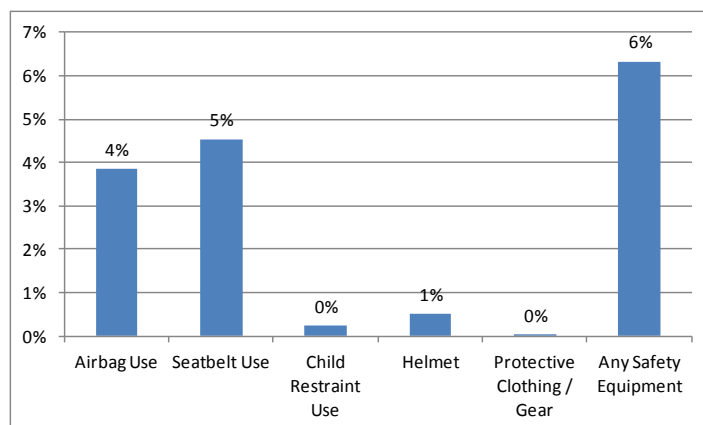
Drug & Alcohol Use



Injury Severity Score



Protective Devices

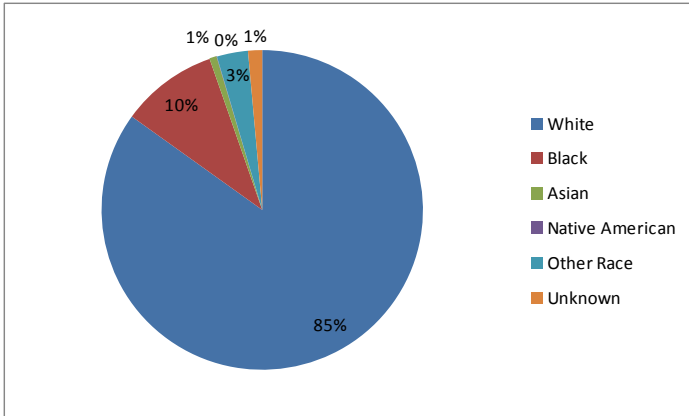


Injury Severity Score (ISS) is a measure of how bad the injury is. Scores over 15 are considered major trauma. A score of 75 is considered not survivable.

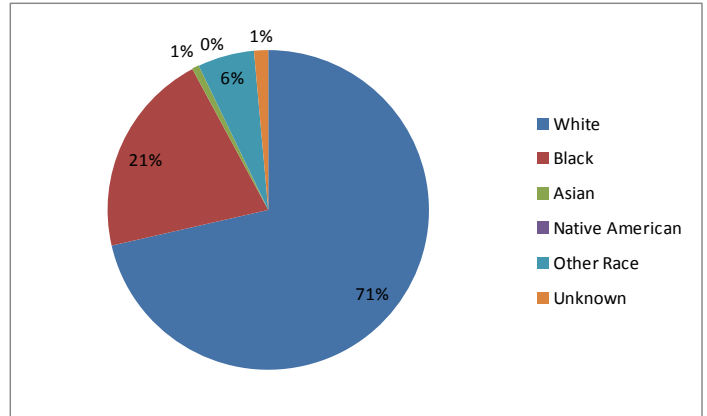
A software error was discovered after the most recent update where protective devices are not being properly mapped. A fix has been created and we expect to have the issue corrected soon.

Motor Vehicle Collision

2012



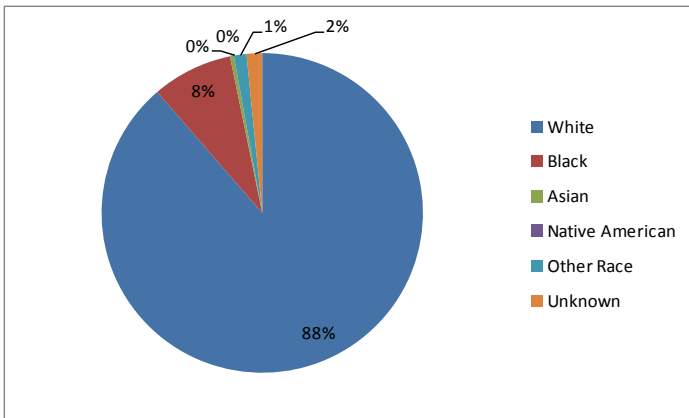
2013 - YTD*



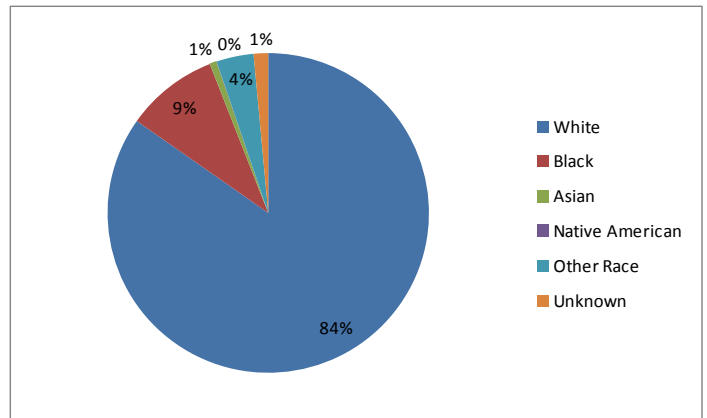
* May not constitute a representative view of 2013 trauma.

2012 - 2013 (YTD)

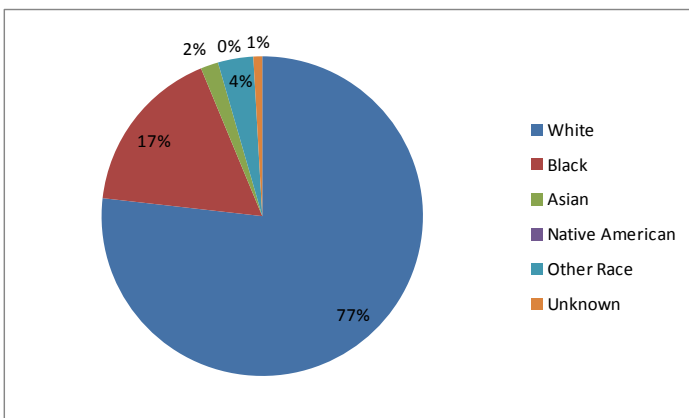
Motorcycle



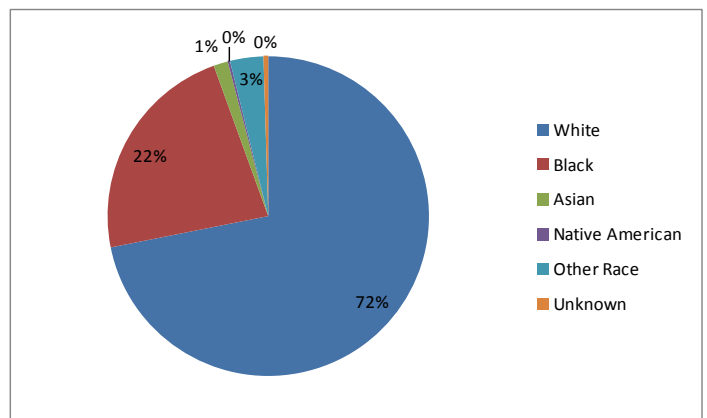
Automobile



Bicyclist

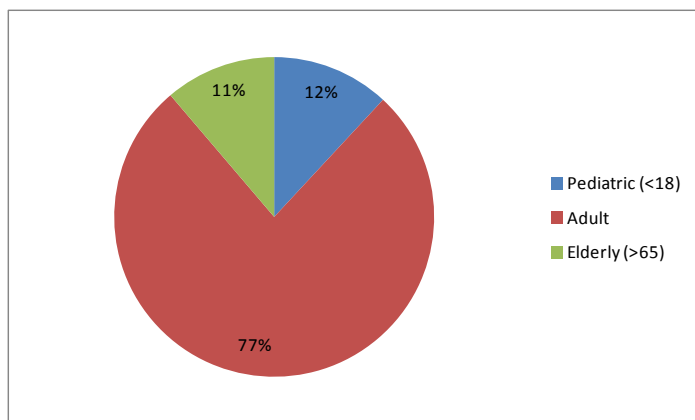


Pedestrian

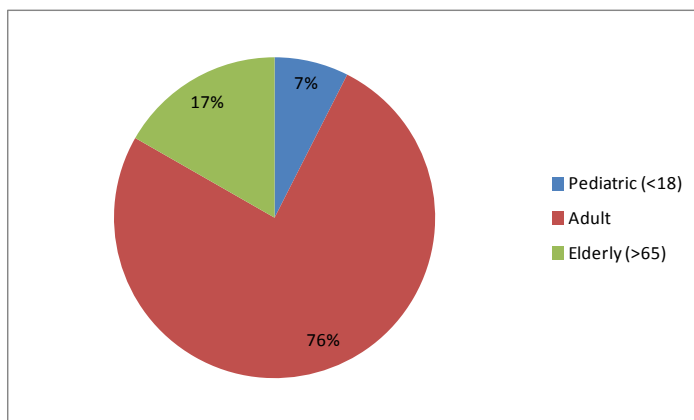


Motor Vehicle Collision

2012



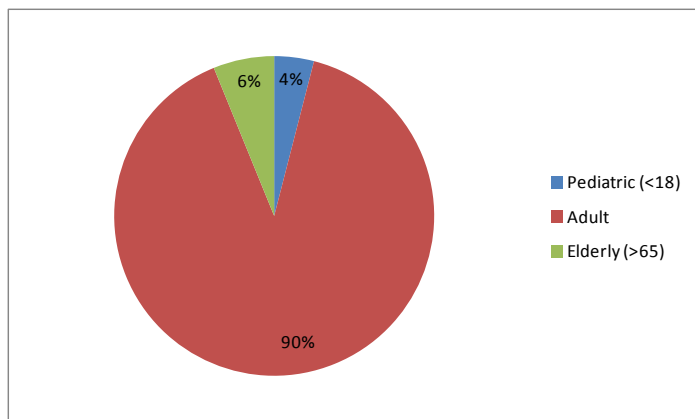
2013 - YTD*



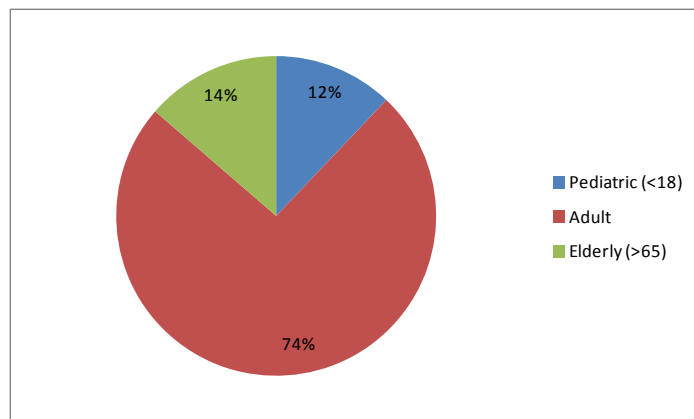
* May not constitute a representative view of 2013 trauma.

2012 - 2013 (YTD)

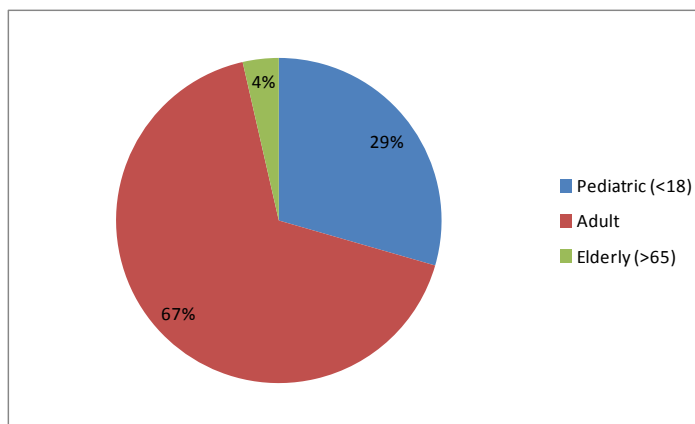
Motorcycle



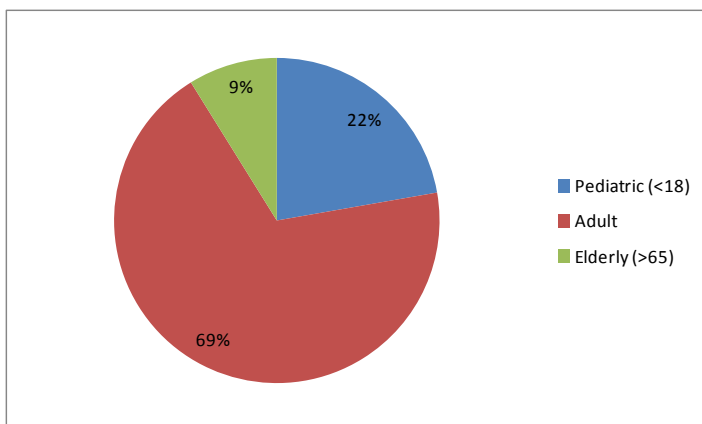
Automobile



Bicyclist

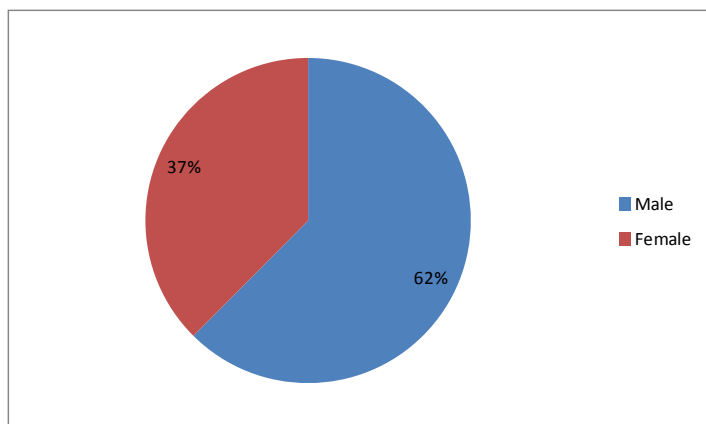


Pedestrian

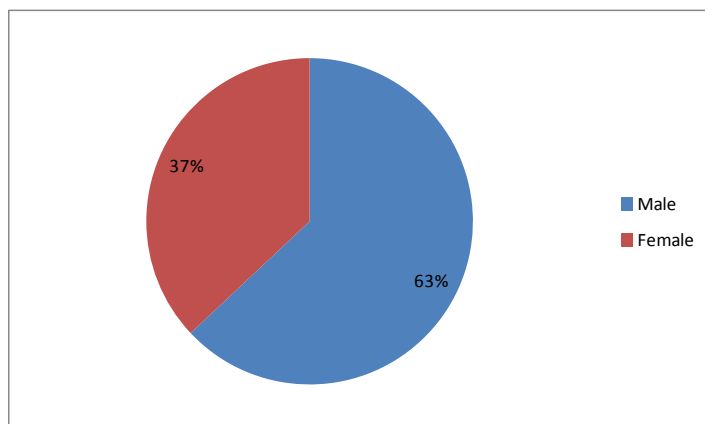


Motor Vehicle Collision

2012

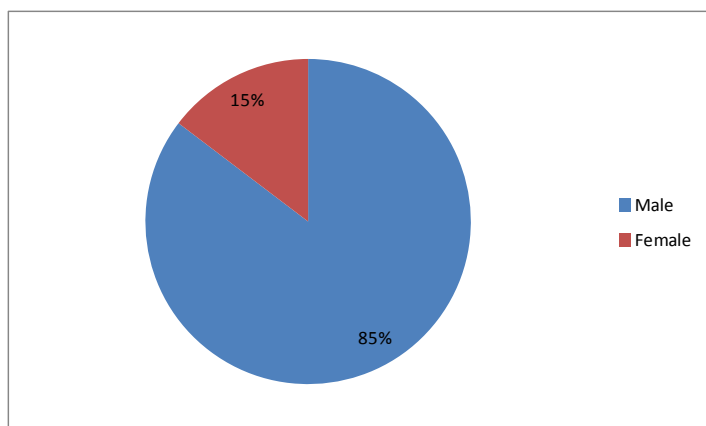


2013 - YTD

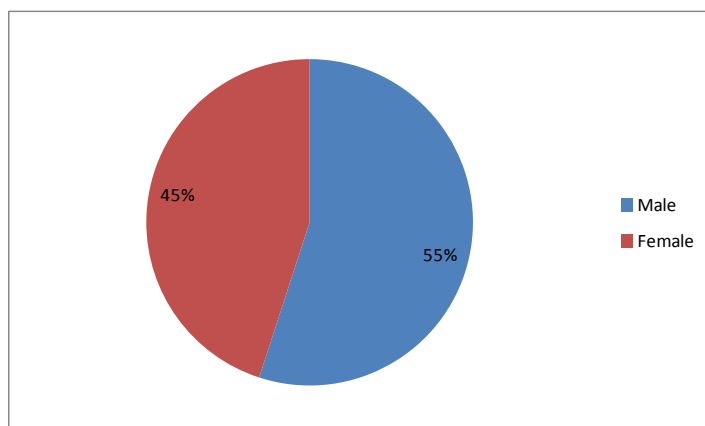


2012 - 2013 (YTD)

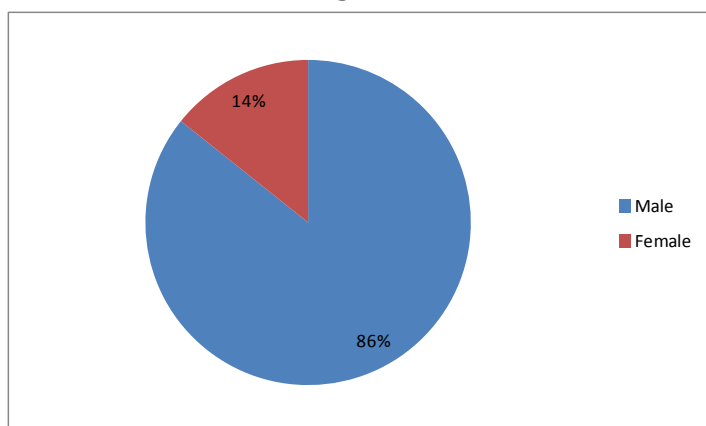
Motorcycle



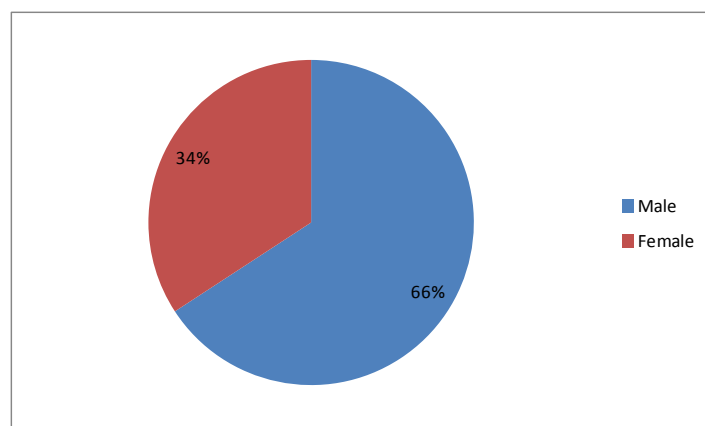
Automobile



Bicyclist

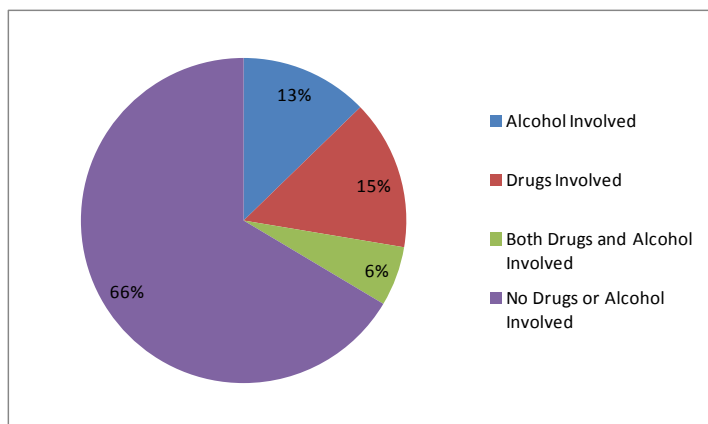


Pedestrian

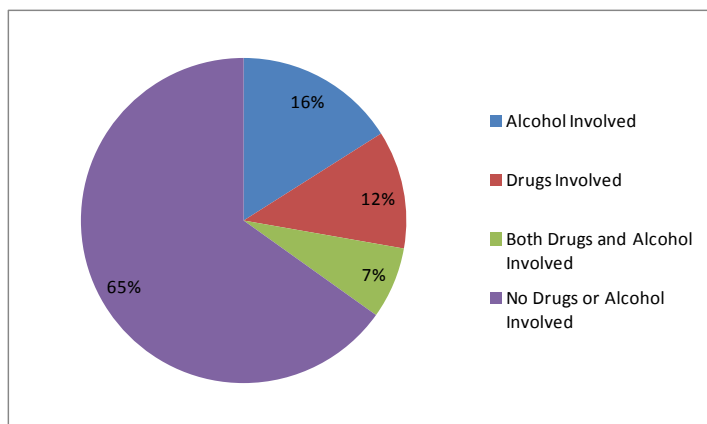


Motor Vehicle Collision

2012



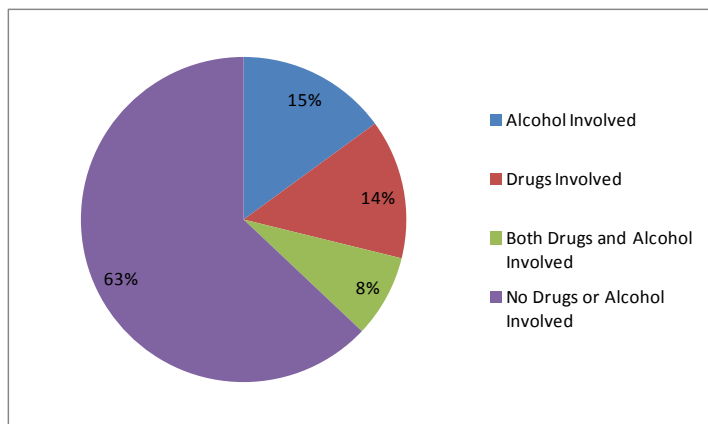
2013 - YTD*



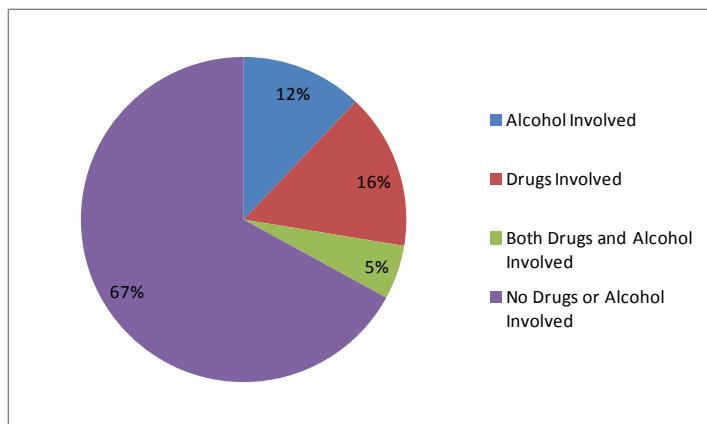
* May not constitute a representative view of 2013 trauma.

2012 - 2013 (YTD)

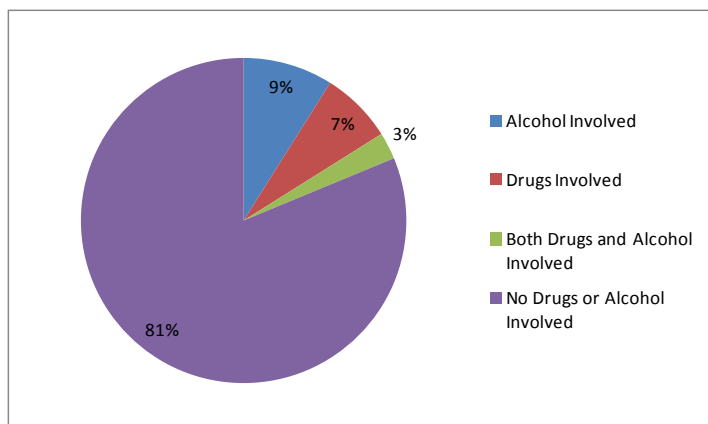
Motorcycle



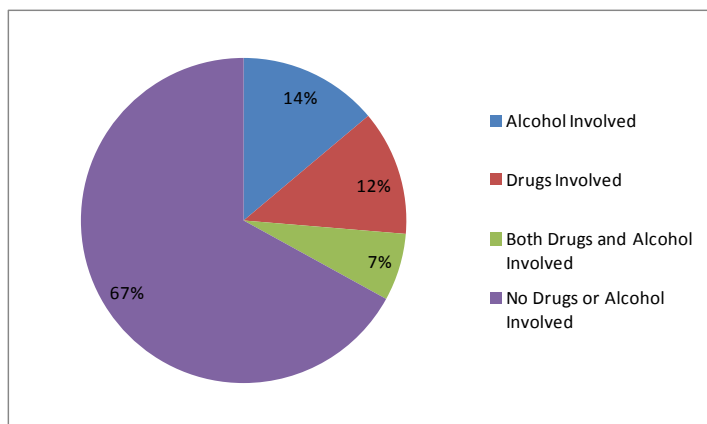
Automobile



Bicyclist

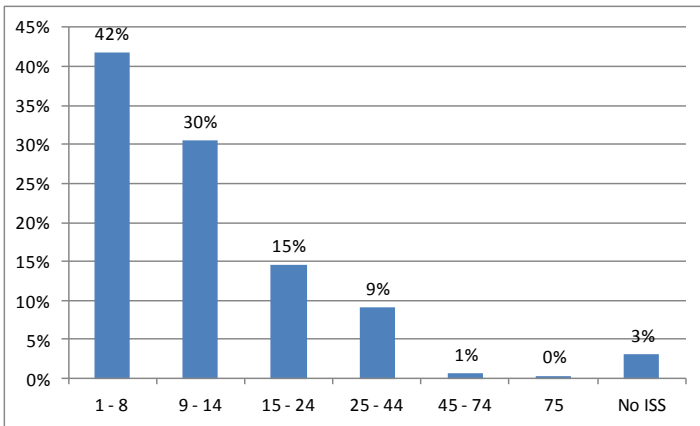


Pedestrian

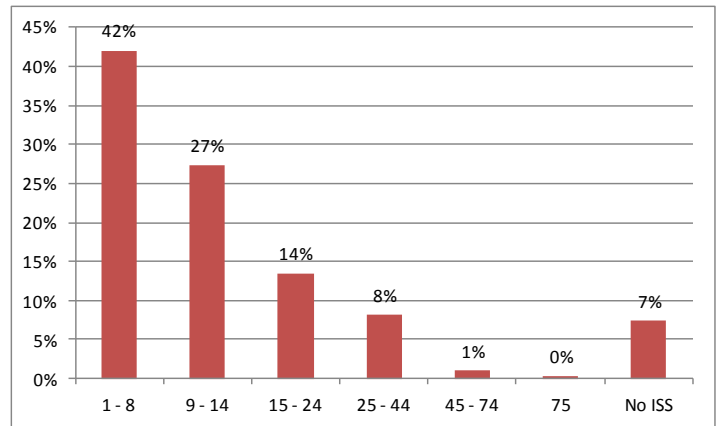


Motor Vehicle Collision

2012



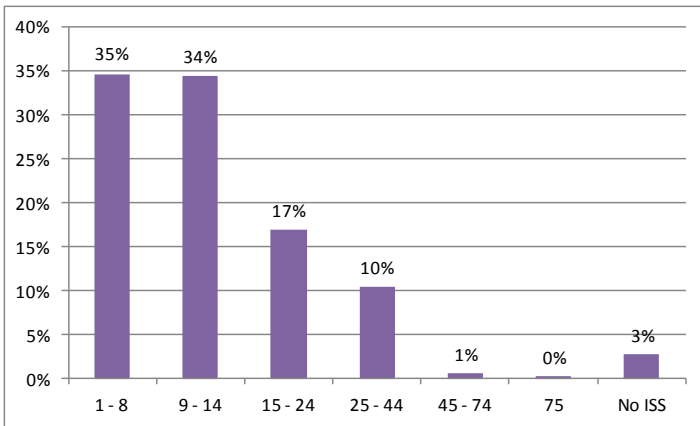
2013 - YTD*



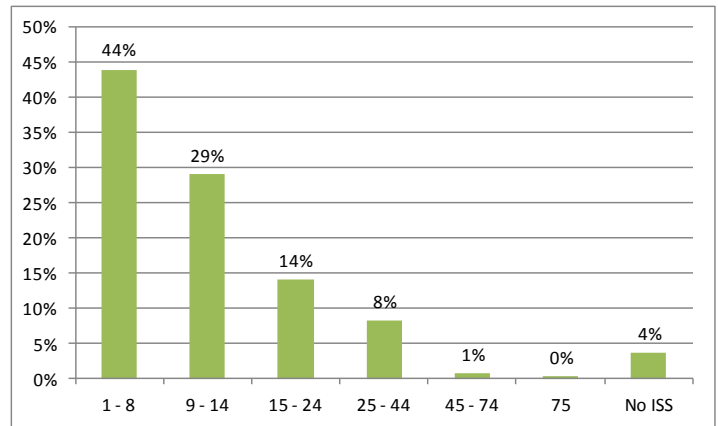
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2012 - 2013 (YTD)

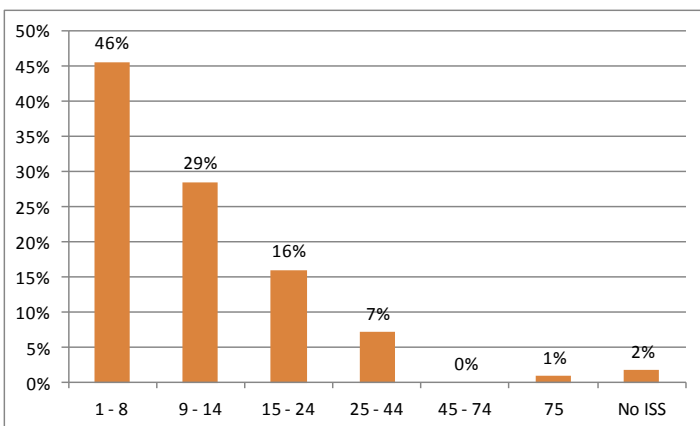
Motorcycle



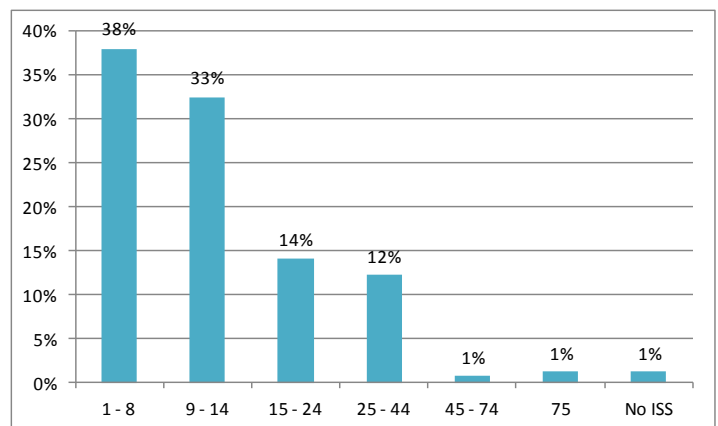
Automobile



Bicyclist

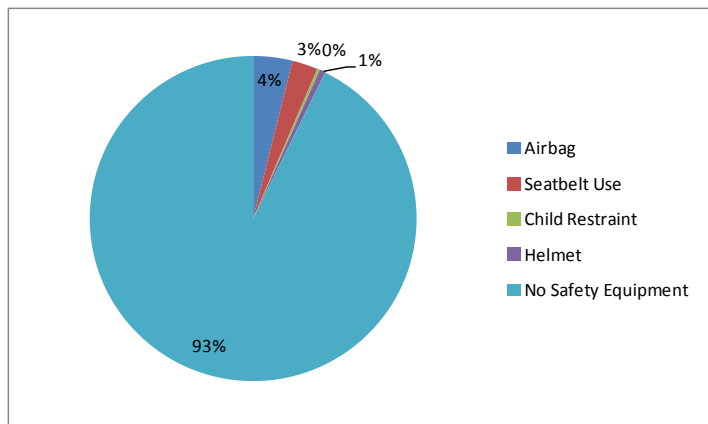


Pedestrian

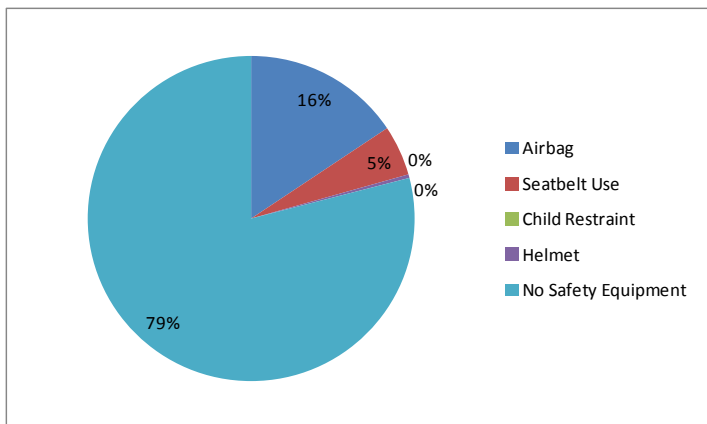


Motor Vehicle Collision

2012



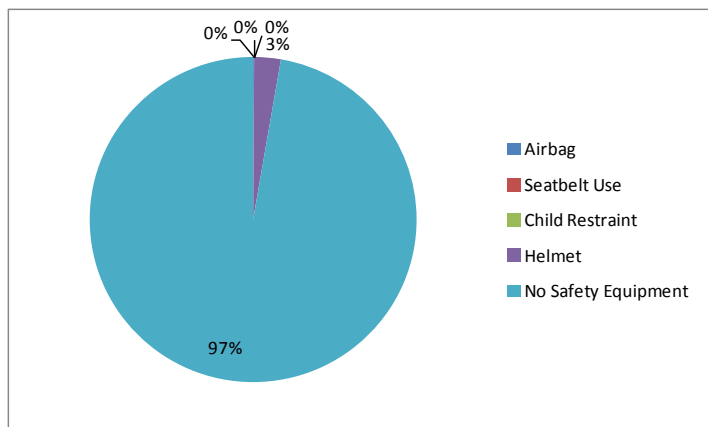
2013 - YTD*



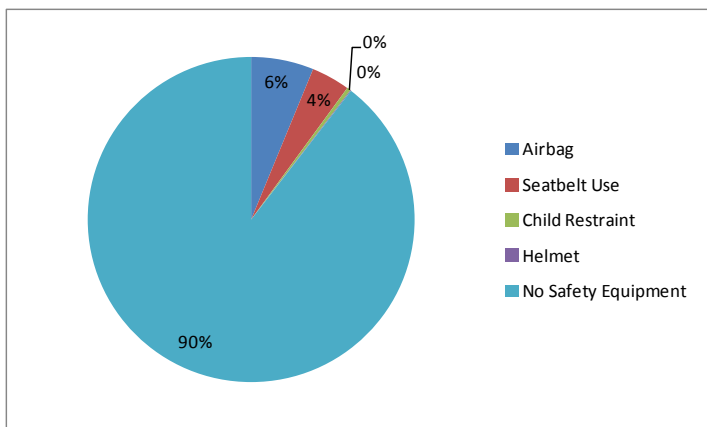
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2012 - 2013 (YTD)

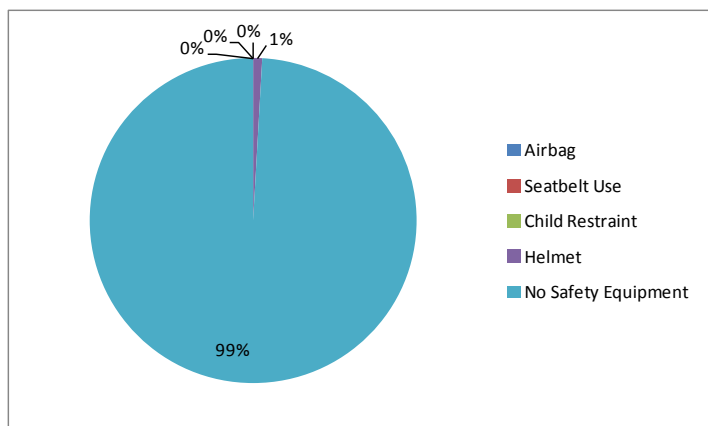
Motorcycle



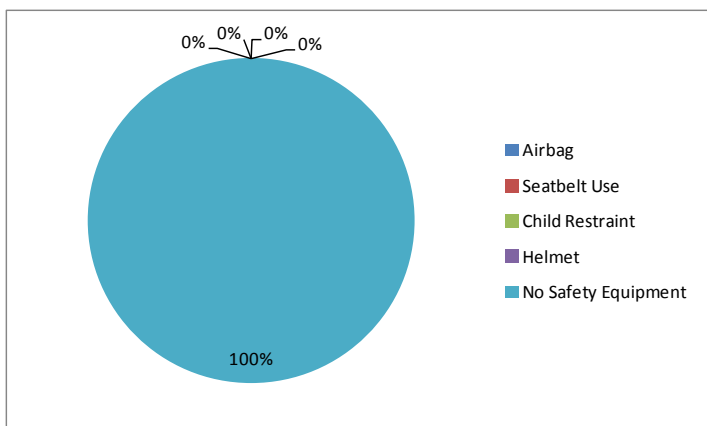
Automobile



Bicyclist



Pedestrian



A software error was discovered after the most recent update where protective devices are not being properly mapped. A fix has been created and we expect to have the issue corrected soon.

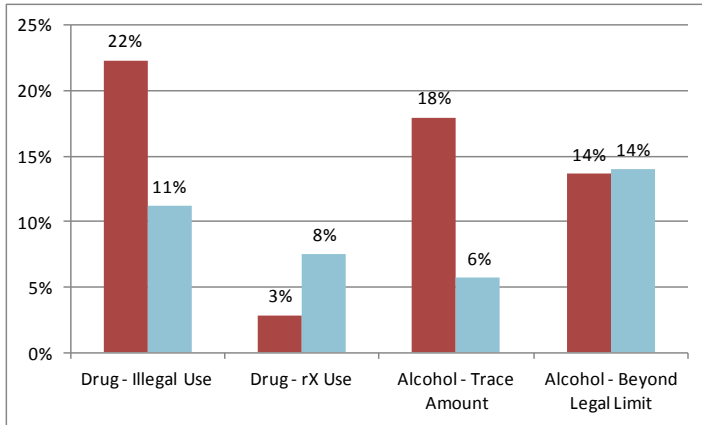
Indiana Trauma Registry

MVC involving Drugs or Alcohol

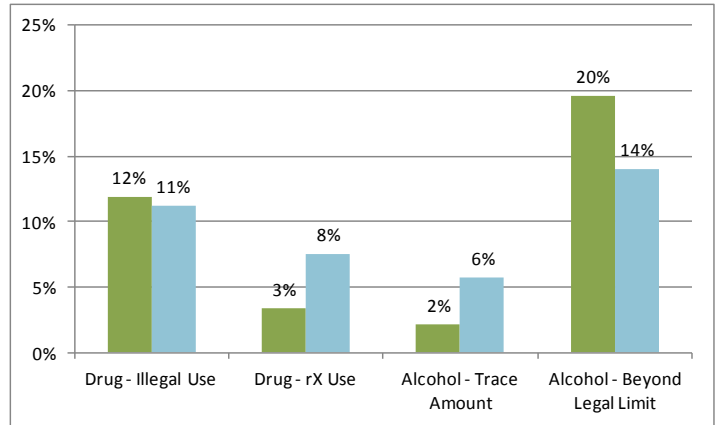
3351 incidents from Jun. 1, 2012 to May 31, 2013
By Public Health Preparedness Districts

■ Indiana Average

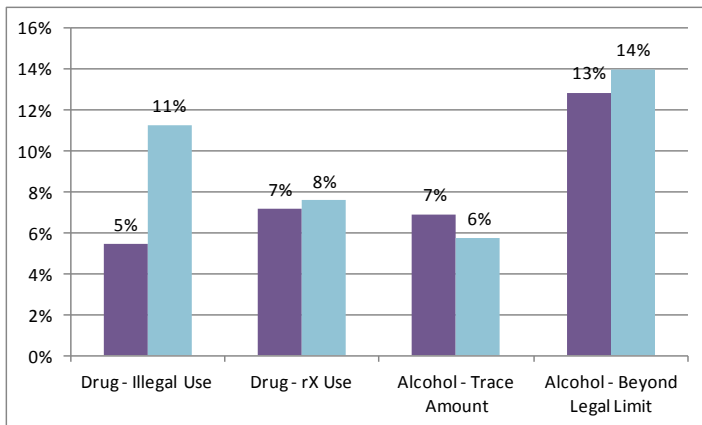
District 1 n=139



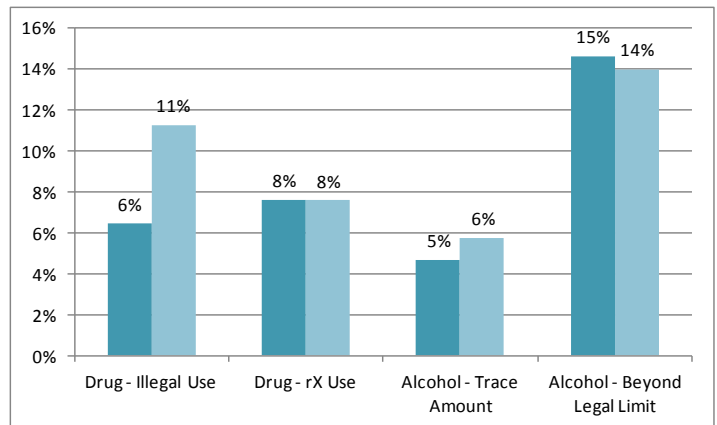
District 2 n=235



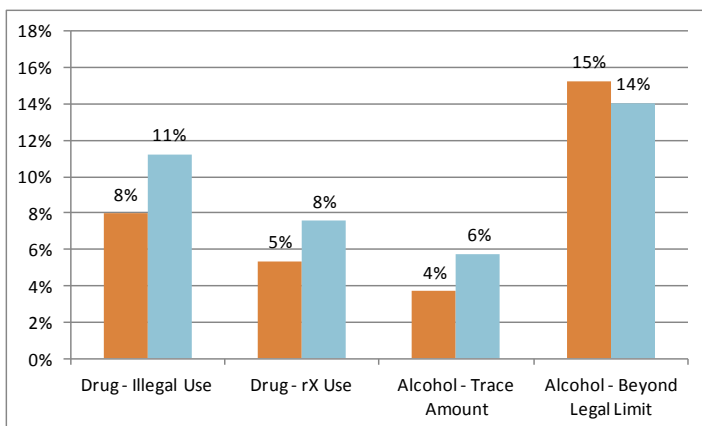
District 3 n=404



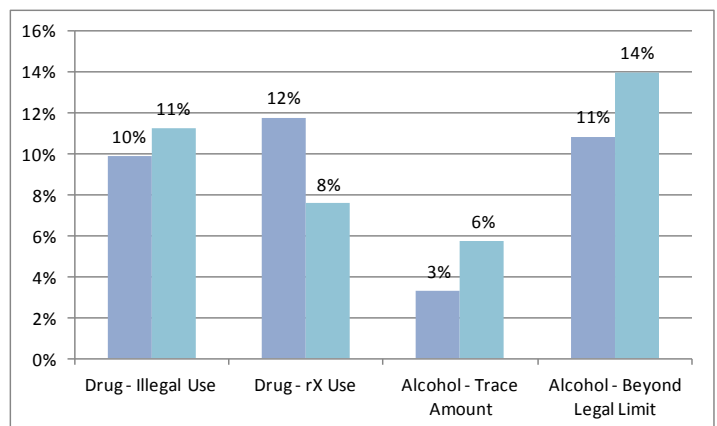
District 4 n=171



District 5 n=728



District 6 n=212



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

Indiana Trauma Registry

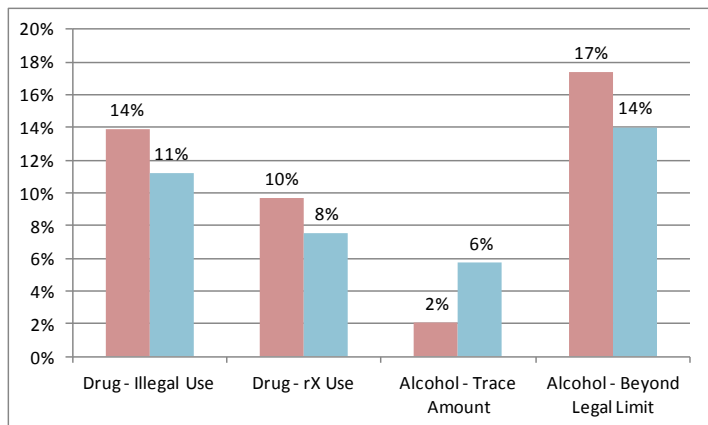
MVC involving Drugs or Alcohol

3351 incidents from May 1, 2012 to Apr. 31, 2013

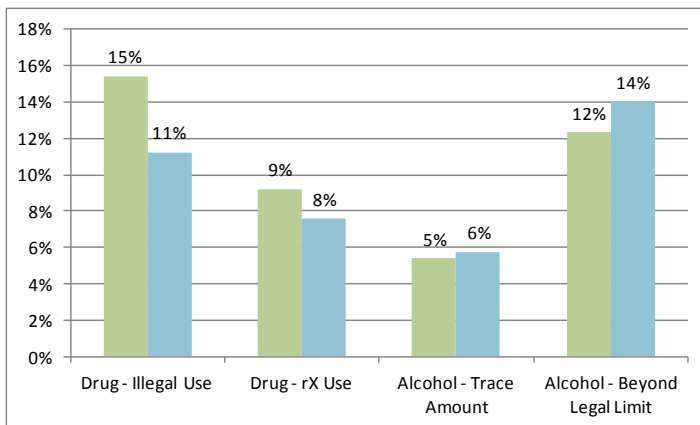
By Public Health Preparedness Districts

Indiana Average

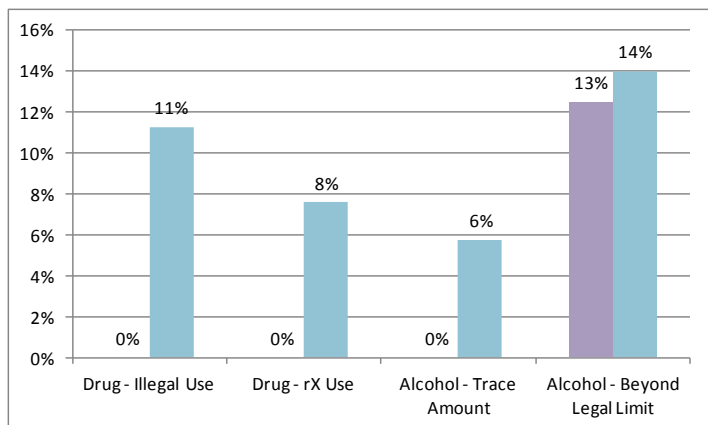
District 7 n=144



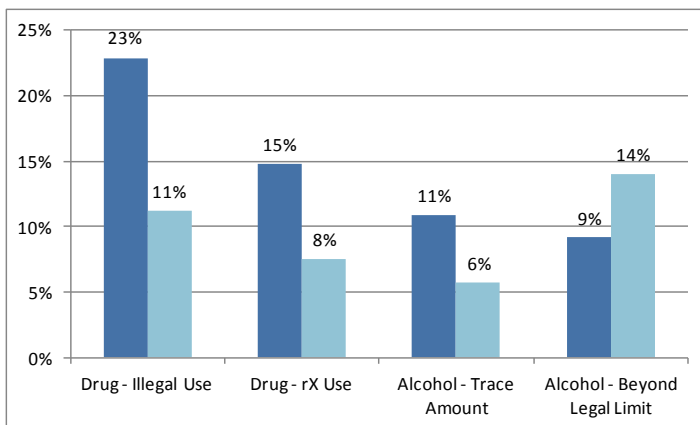
District 8 n=130



District 9 n=8



District 10 n=284



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