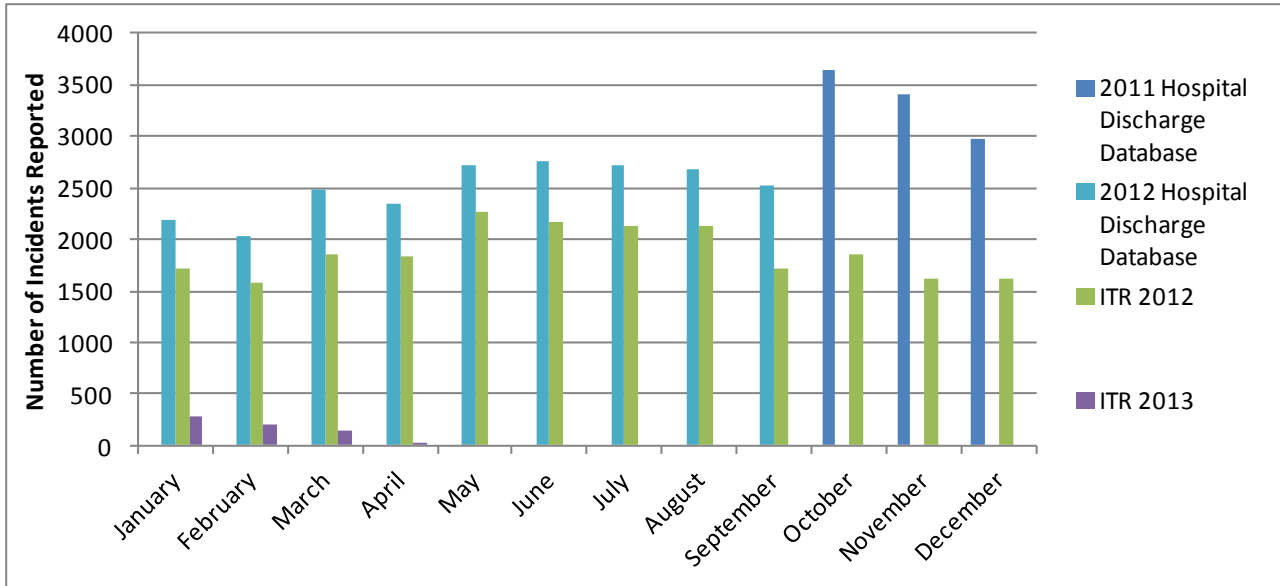


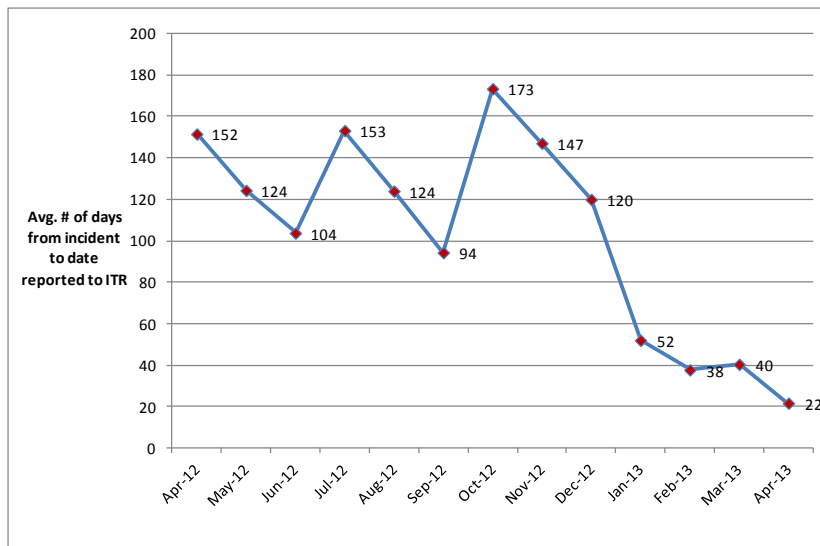
The Indiana Trauma Registry (ITR) monthly report is a dashboard style report for the Indiana Criminal Justice Institute (ICJI) and any other party concerned about trauma in Indiana. This report highlights the three data quality measures for the ICJI grant: completeness, timeliness, and uniformity. This 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. 2012 saw a decrease in volume in the Hospital Discharge database compared to 2011.



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 which allows for an extra 30 days for Q4 data to be reported. As a result, timeliness rose by an average of 20-26 days for Q4 data.

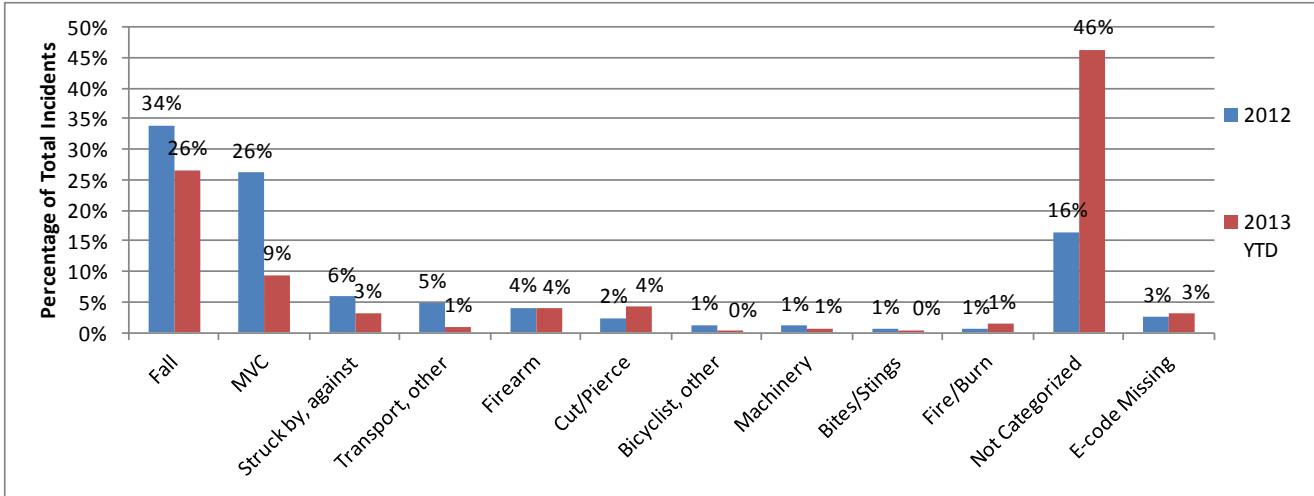
The decrease in timeliness from December 2012 until April 2013 is due to only timely reports being provided to the ITR during this time frame, typically from non-trauma hospitals and early reporting trauma centers.

Uniformity

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

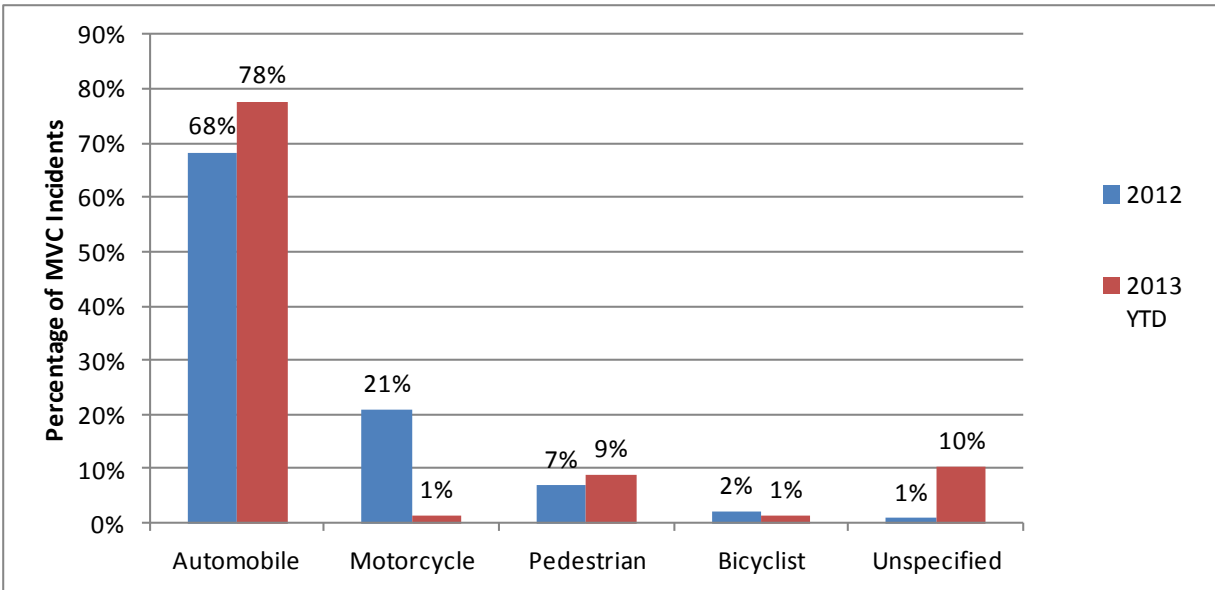
- Conducted baseline inter-rater reliability study in 2012
- Will schedule follow-up inter-rater reliability study in 2013
 - One study case with a month to code per quarter appears to be the best format, according to a survey of trauma registrars
 - Working with American Trauma Society to provide cases 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)

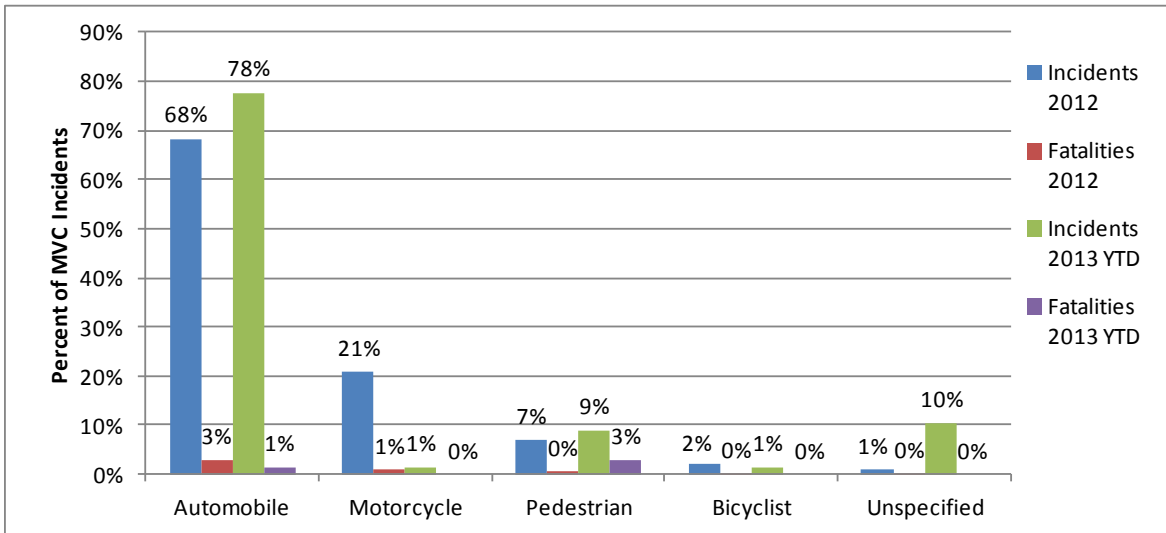


* <1% COI: Pedestrian (Other), Natural / Environment, Overexertion

COI - Motor Vehicle Collision (MVC)



COI - MVC



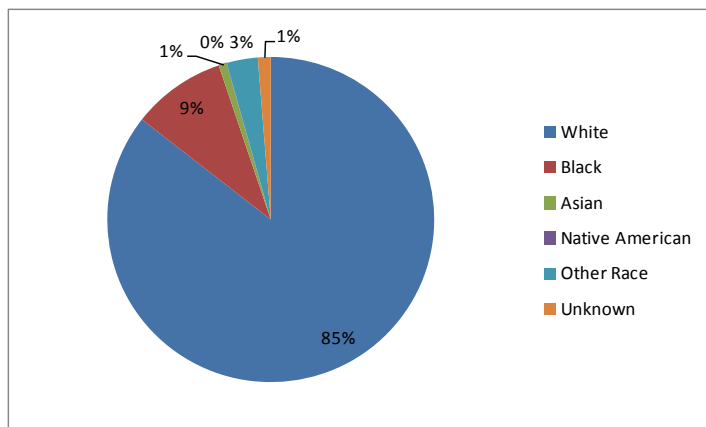
Indiana Trauma Registry

Motor Vehicle Collisions

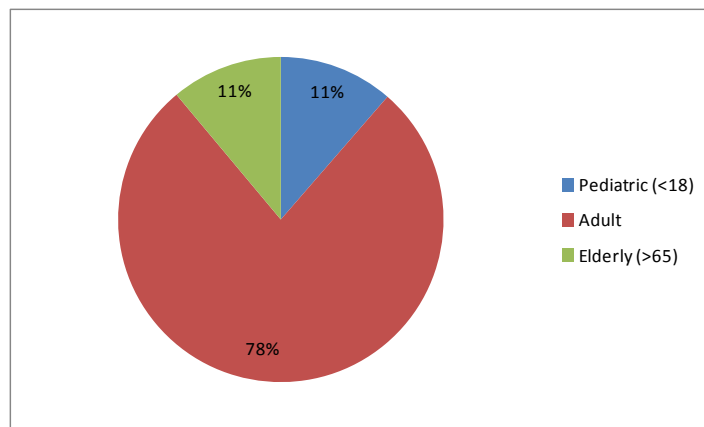
May 2012 to Apr. 2013
4271 Incidents

9 Trauma Centers
33 (Non-Trauma) Hospitals
42 Total Hospitals Reporting

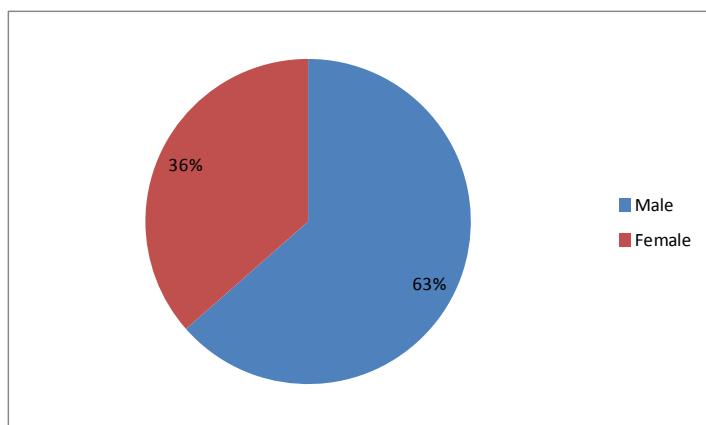
Race



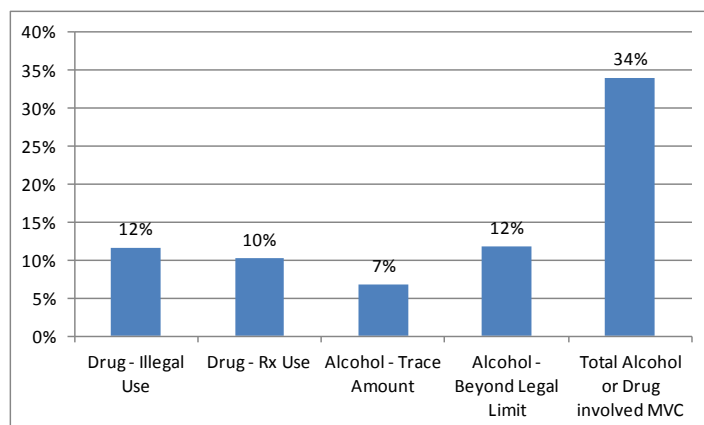
Age



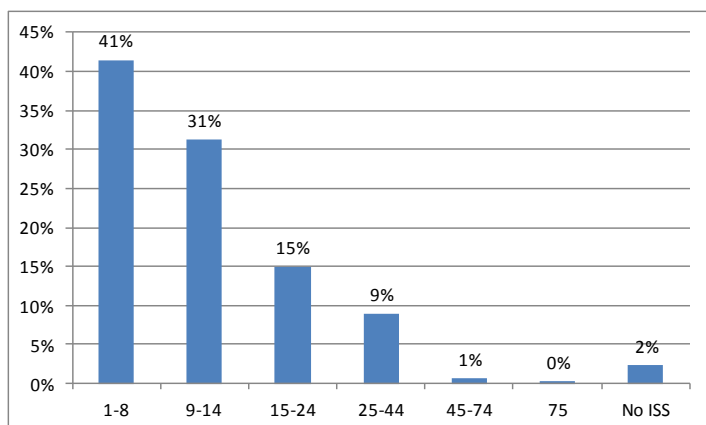
Gender



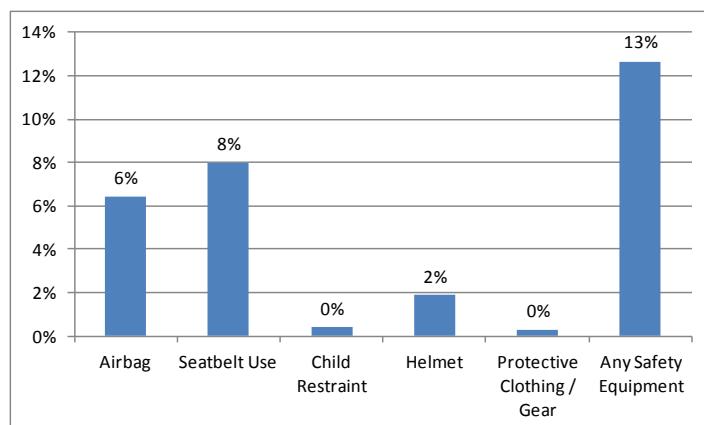
Drug & Alcohol Use



Injury Severity Score



Protective Devices

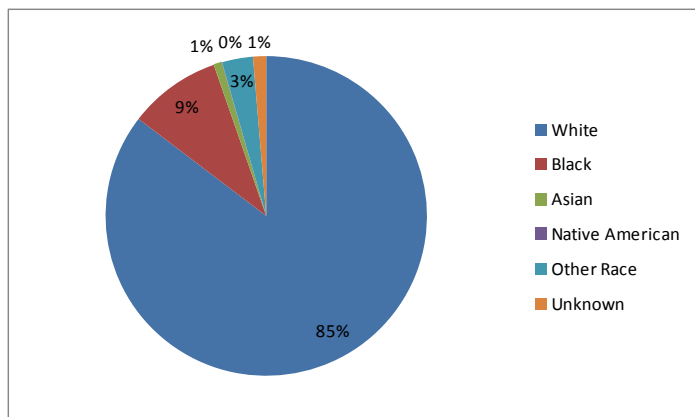


Injury Severity Score (ISS) is a measure of how bad the injury is. Scores over 15 are considered major trauma. A score of 75 is considered not survivable.

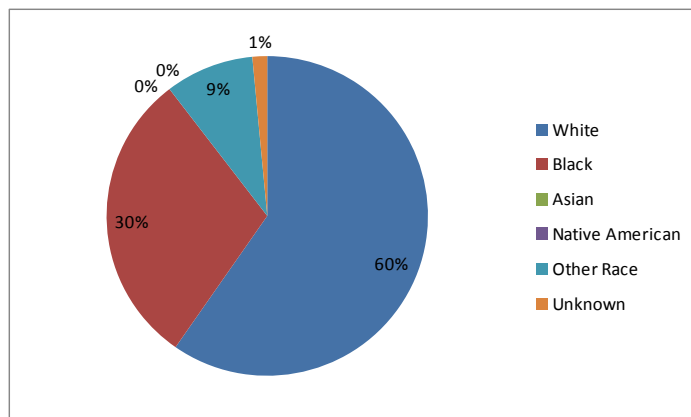
A software error was discovered after the most recent update where protective devices are not being properly mapped. A support ticket has been filed, and we expect resolution soon.

Motor Vehicle Collision

2012



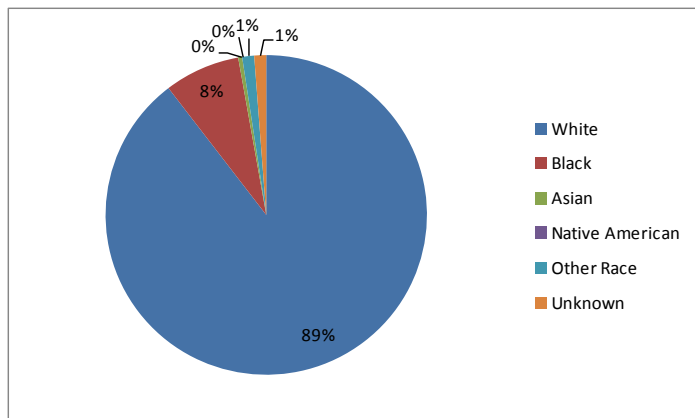
2013 - YTD*



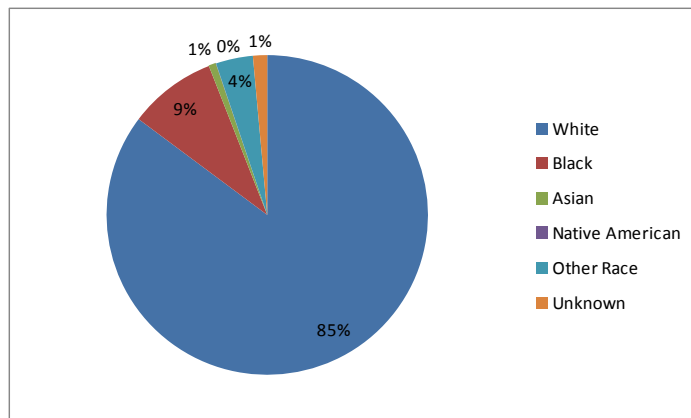
* Does not constitute a representative view of 2013 trauma.

2012 - 2013 (YTD)

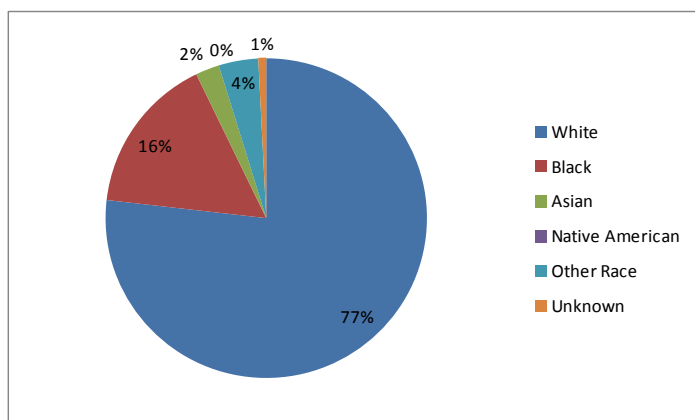
Motorcycle



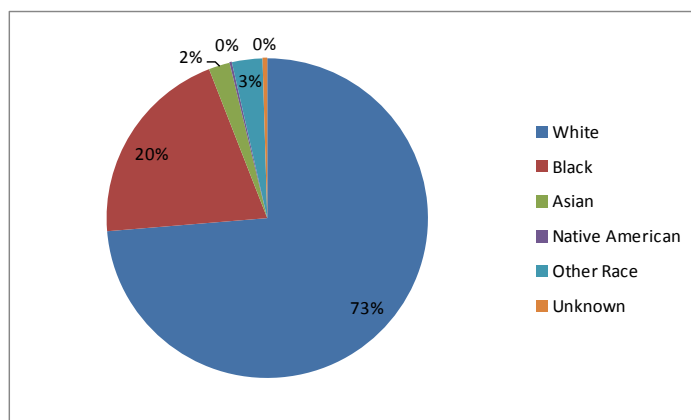
Automobile



Bicyclist

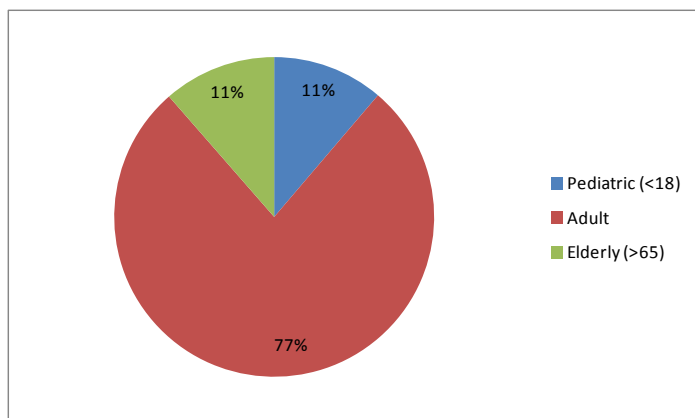


Pedestrian

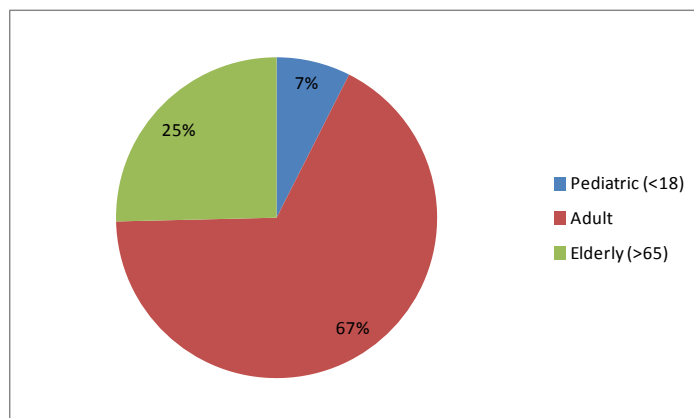


Motor Vehicle Collision

2012



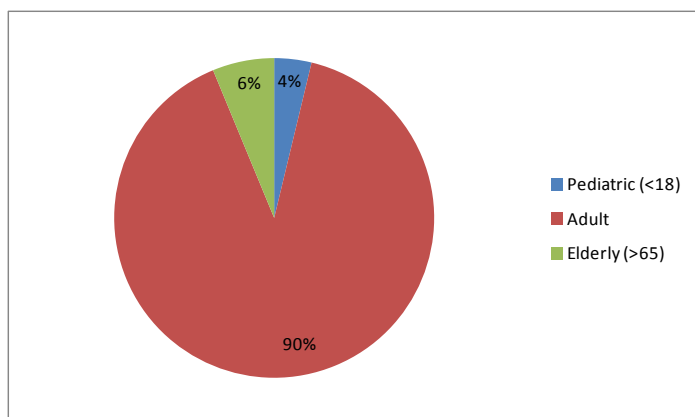
2013 - YTD*



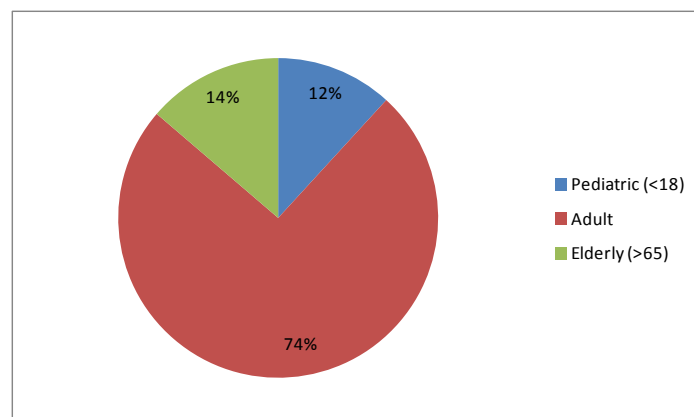
* Does not constitute a representative view of 2013 trauma.

2012 - 2013 (YTD)

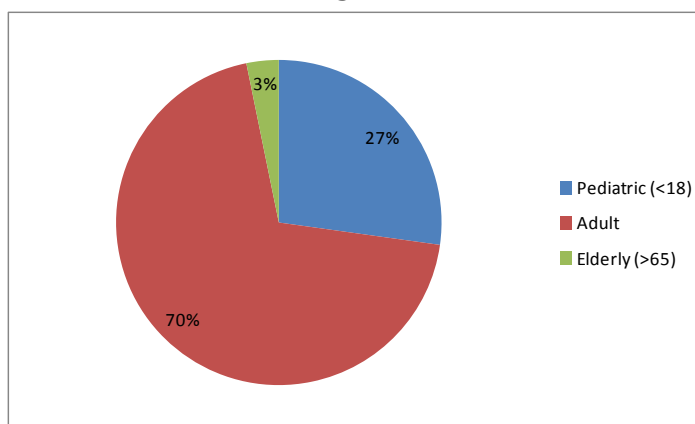
Motorcycle



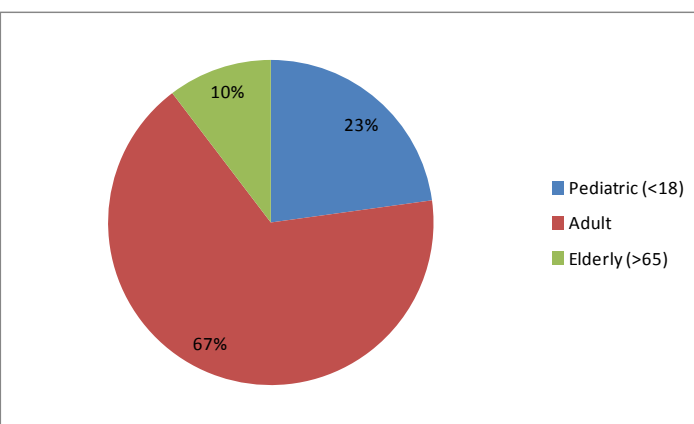
Automobile



Bicyclist

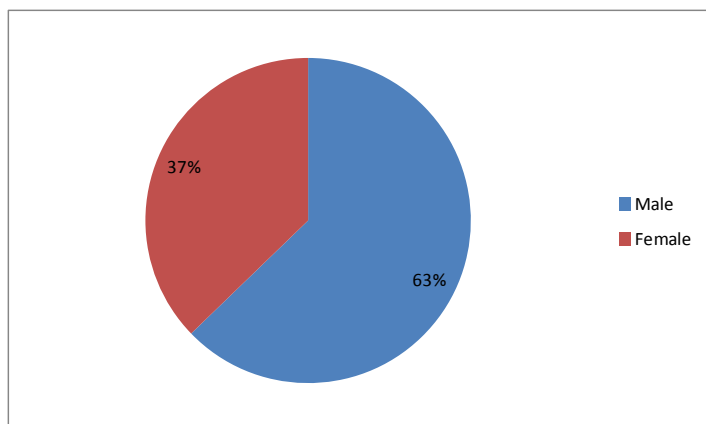


Pedestrian

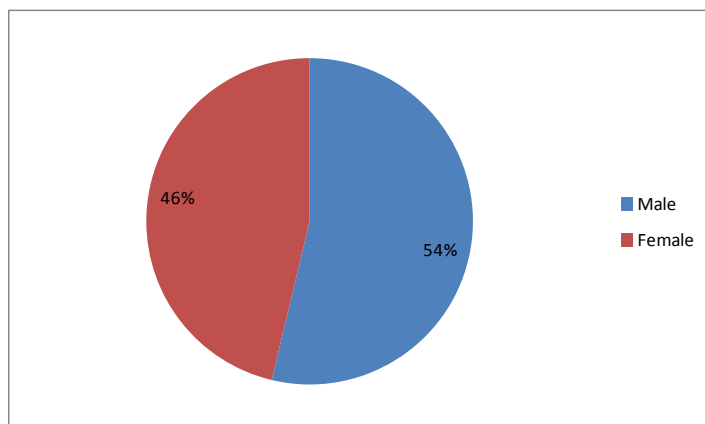


Motor Vehicle Collision

2012

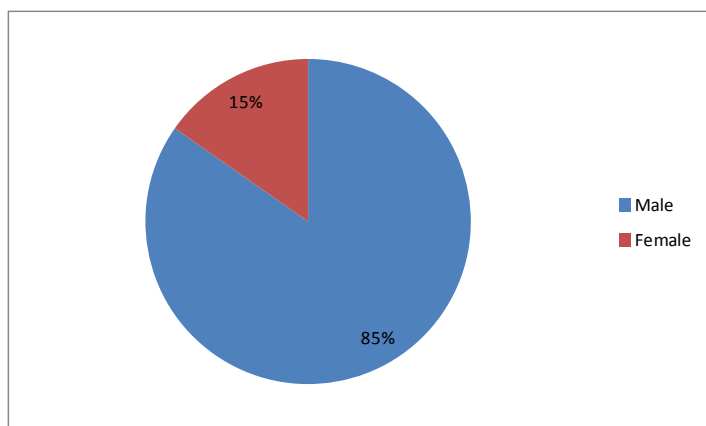


2013 - YTD

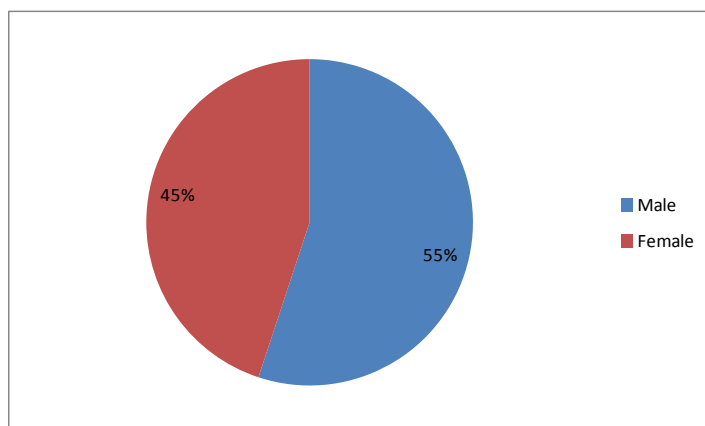


2012 - 2013 (YTD)

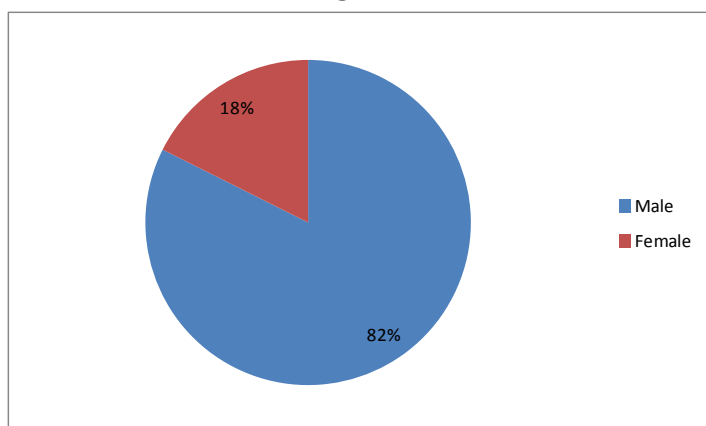
Motorcycle



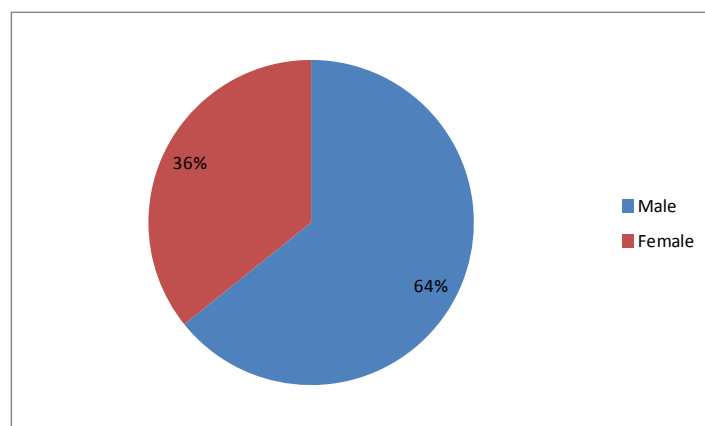
Automobile



Bicyclist

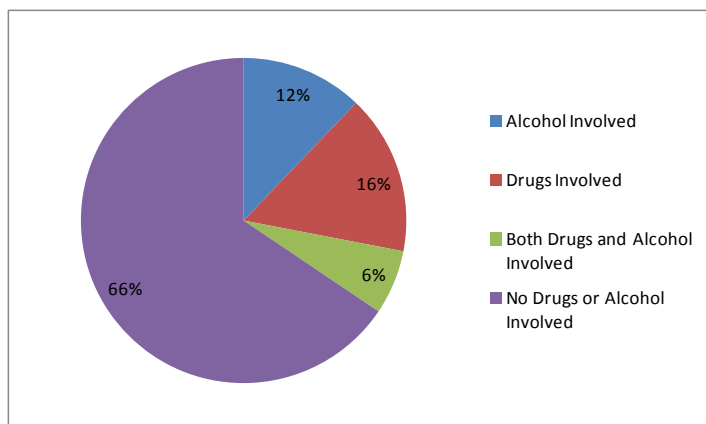


Pedestrian

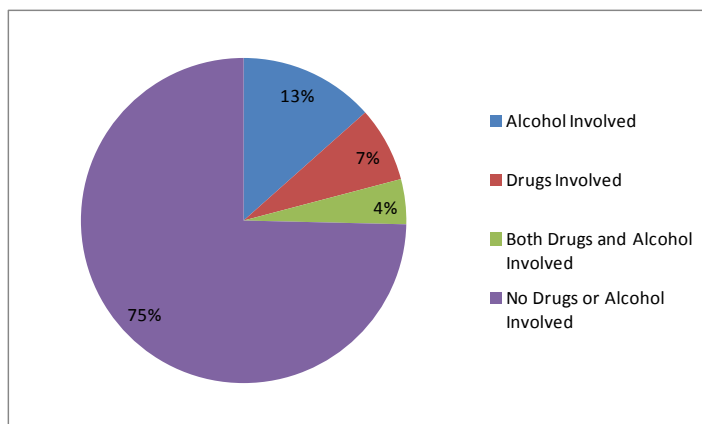


Motor Vehicle Collision

2012



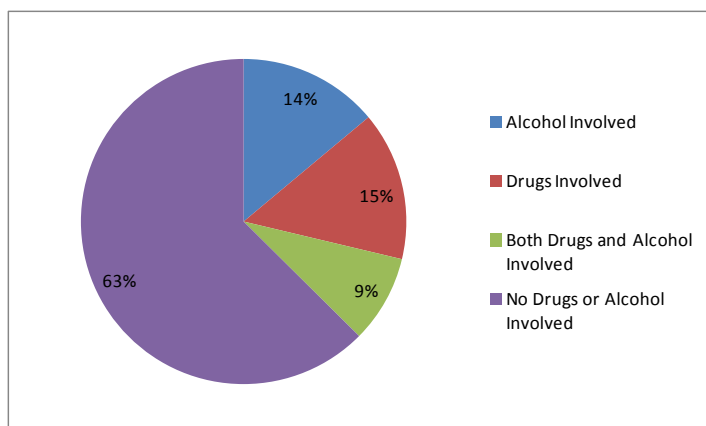
2013 - YTD*



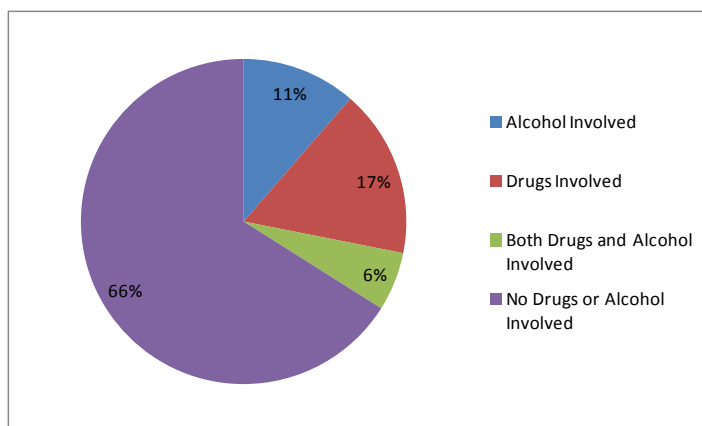
* Does not constitute a representative view of 2013 trauma.

2012 - 2013 (YTD)

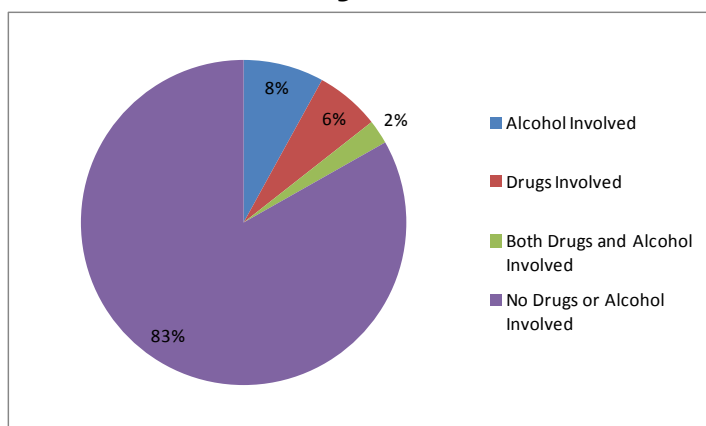
Motorcycle



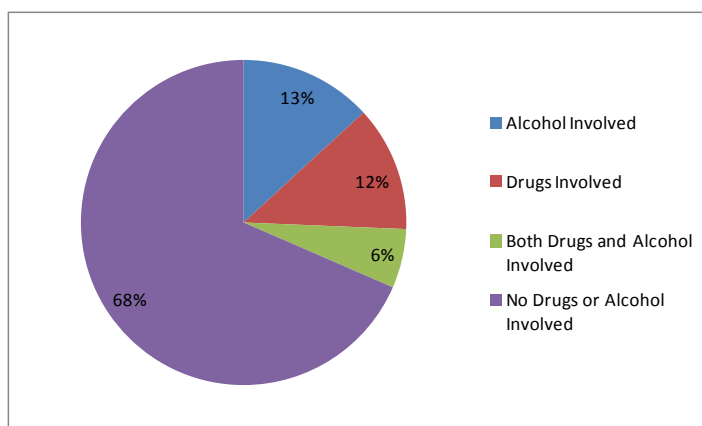
Automobile



Bicyclist

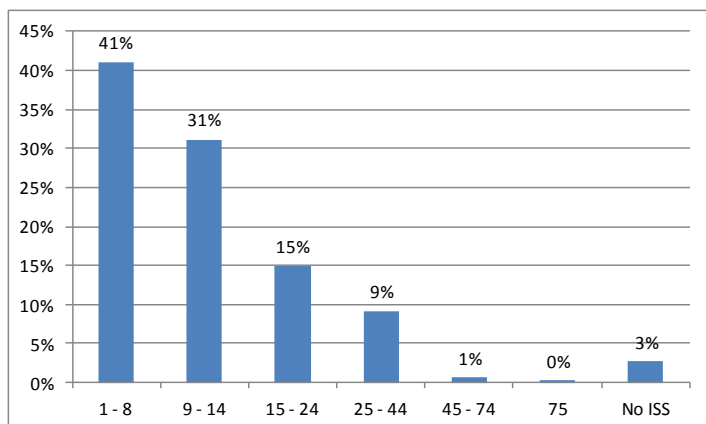


Pedestrian

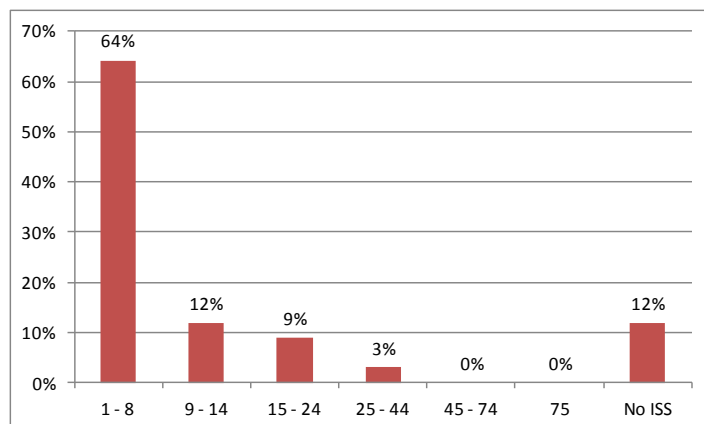


Motor Vehicle Collision

2012



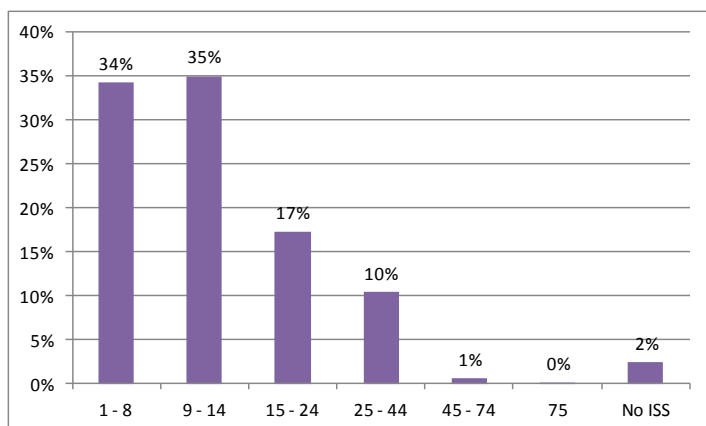
2013 - YTD*



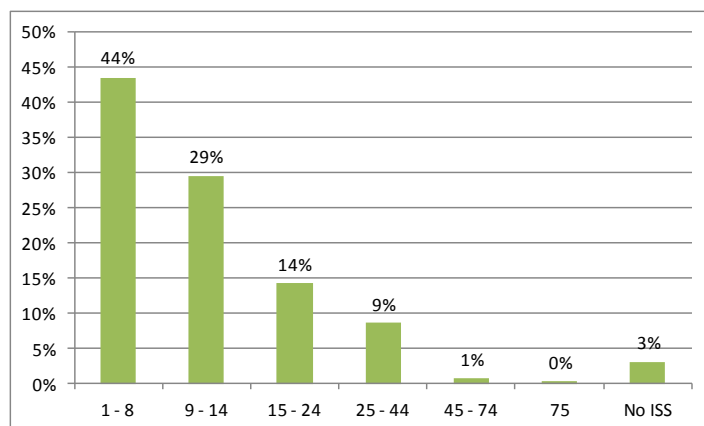
* Does not constitute a representative view of 2013 trauma.

2012 - 2013 (YTD)

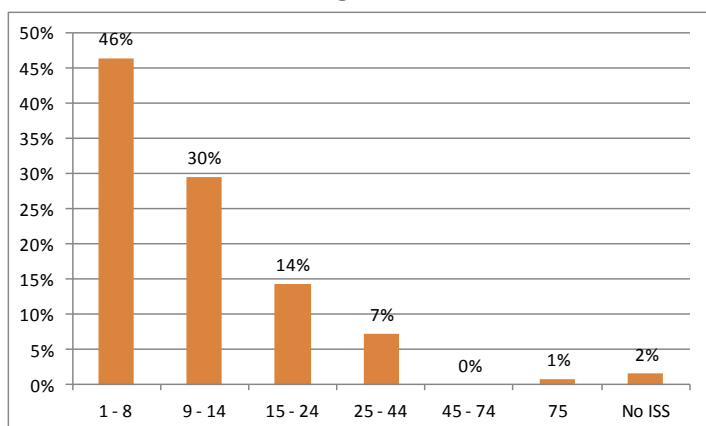
Motorcycle



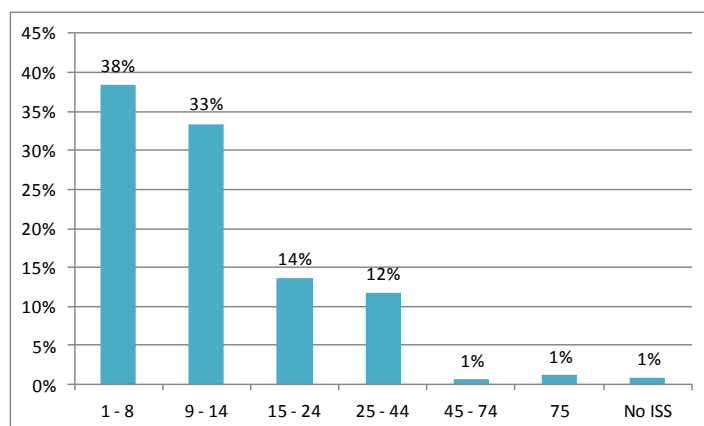
Automobile



Bicyclist

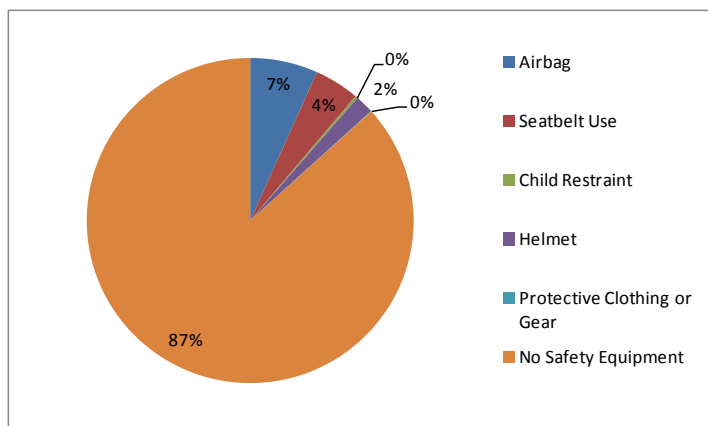


Pedestrian

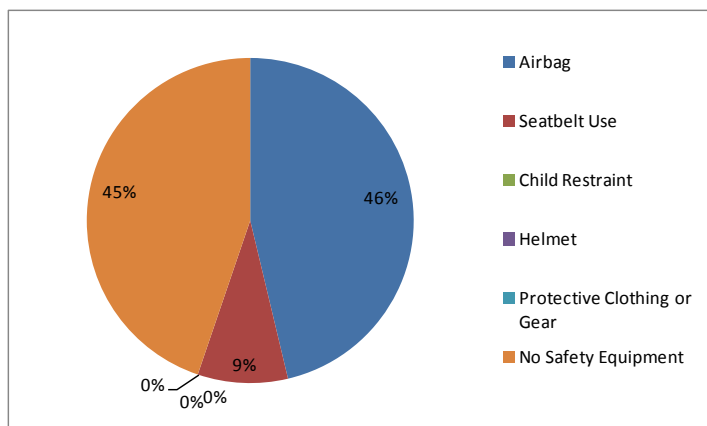


Motor Vehicle Collision

2012



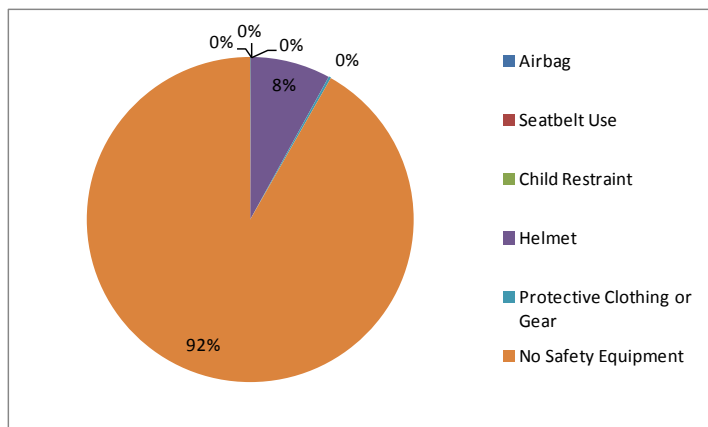
2013 - YTD*



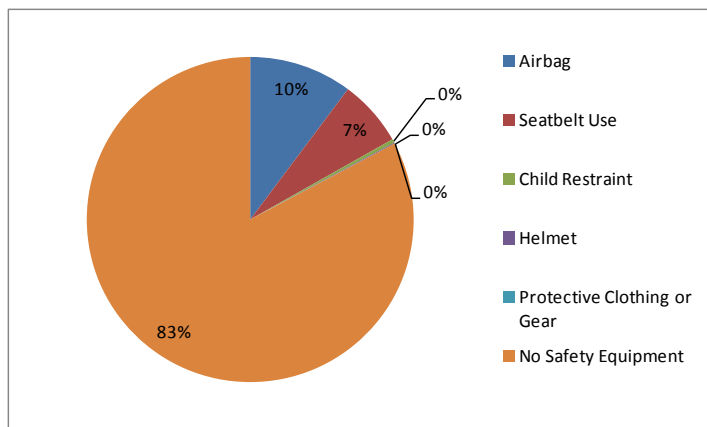
* Does not constitute a representative view of 2013 trauma.

2012 - 2013 (YTD)

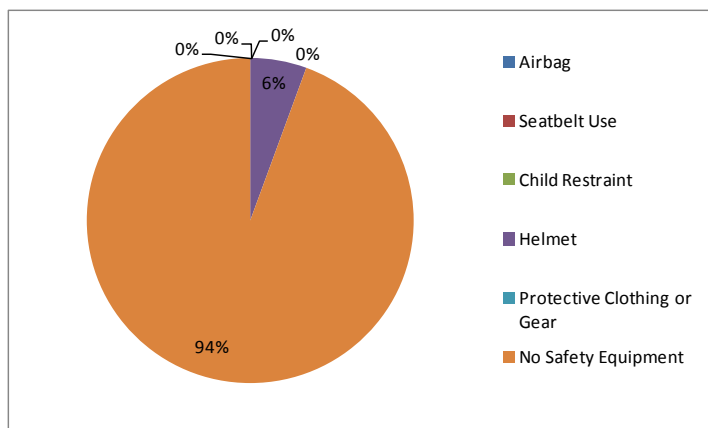
Motorcycle



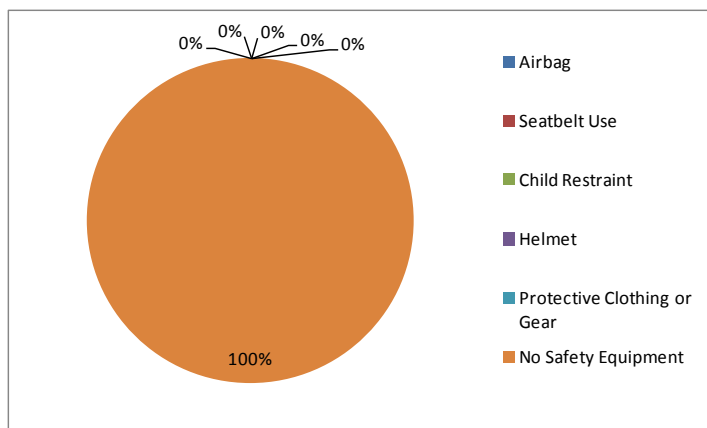
Automobile



Bicyclist



Pedestrian



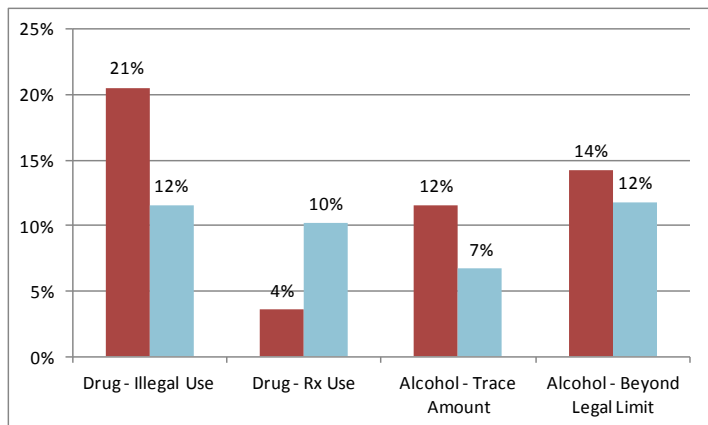
Indiana Trauma Registry

MVC involving Drugs or Alcohol

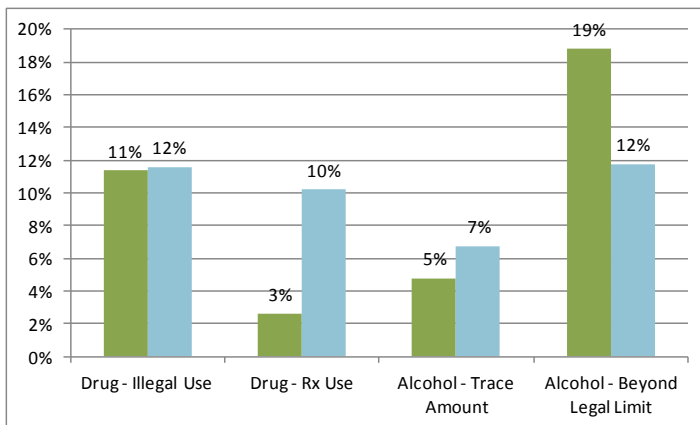
4271 incidents from May 1, 2012 to Apr. 31, 2013
By Public Health Preparedness Districts

■ Indiana Average

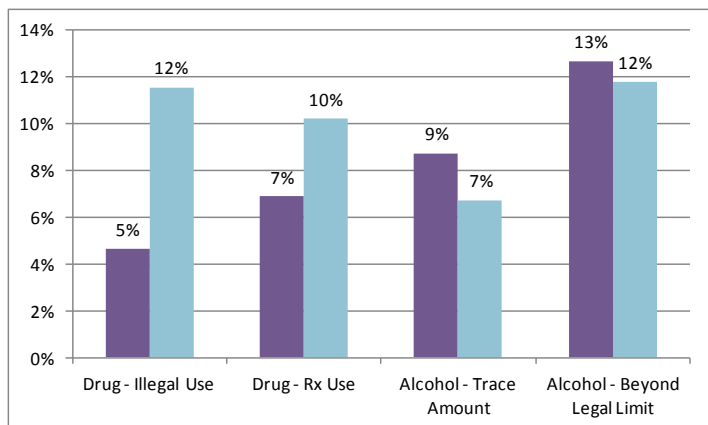
■ District 1 n=112



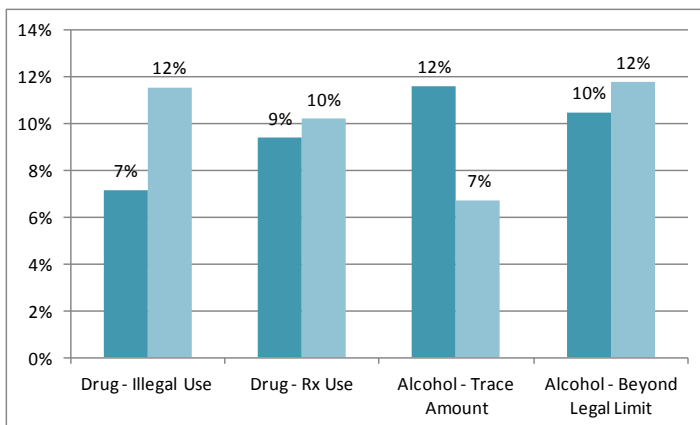
■ District 2 n=229



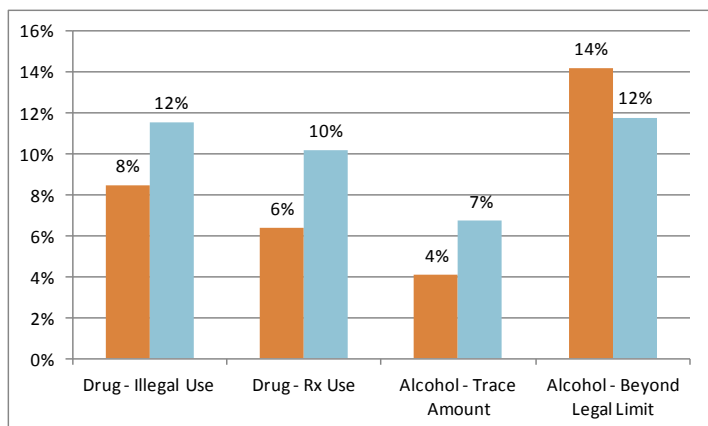
■ District 3 n=537



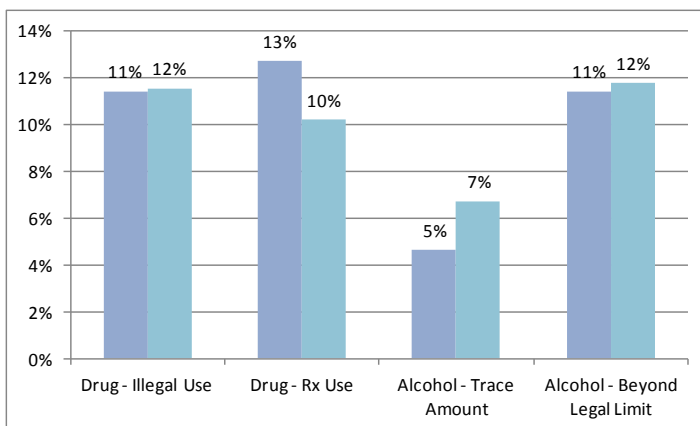
■ District 4 n=181



■ District 5 n=874



■ District 6 n=236



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

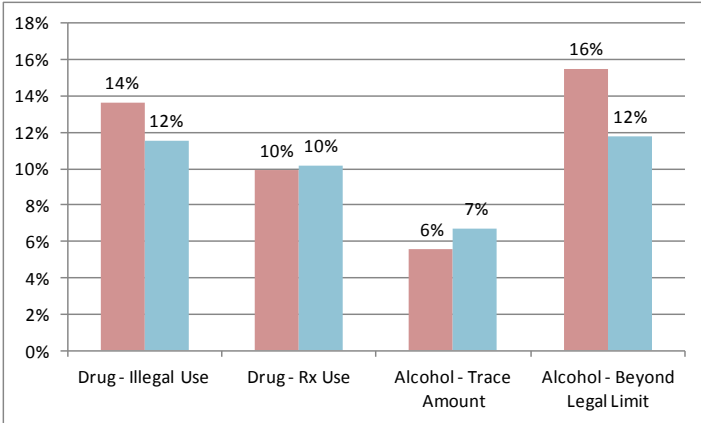
Indiana Trauma Registry

MVC involving Drugs or Alcohol

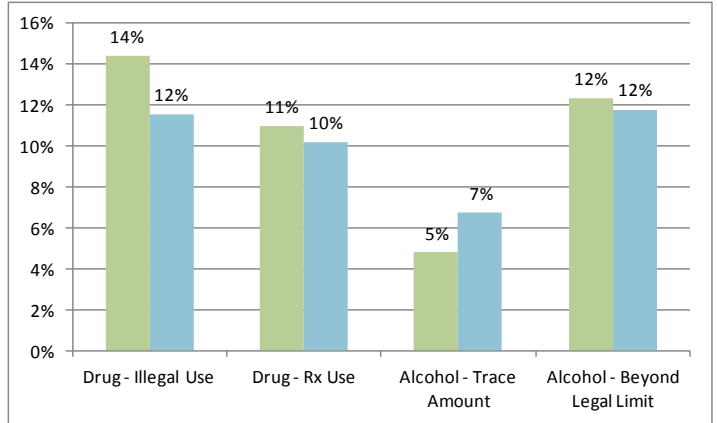
4271 incidents from May 1, 2012 to Apr. 31, 2013
By Public Health Preparedness Districts

Indiana Average

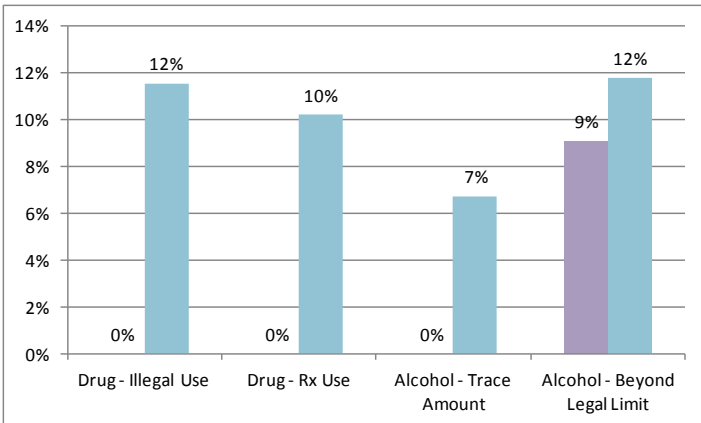
District 7 n=161



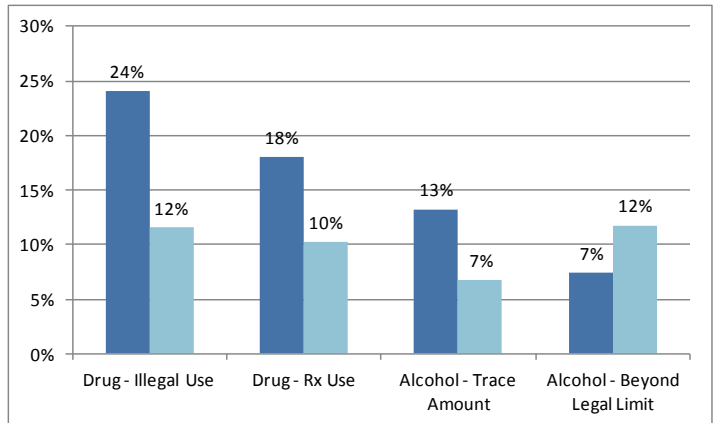
District 8 n=146



District 9 n=11



District 10 n=483



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