

During the month of June, the ISDH division of trauma and injury prevention trauma registry manager traveled to several hospitals to train them on the Indiana trauma registry. On June 11th, Katie Gatz traveled to Gibson General Hospital (Princeton) and St. Mary's Warrick Hospital (Boonville). On June 14th, Katie Gatz traveled to IU Health—Bedford Hospital in Bedford. On June 26th, Katie Gatz and Jessica Skiba (injury prevention epidemiologist) traveled to St. Vincent Jennings Hospital in North Vernon.

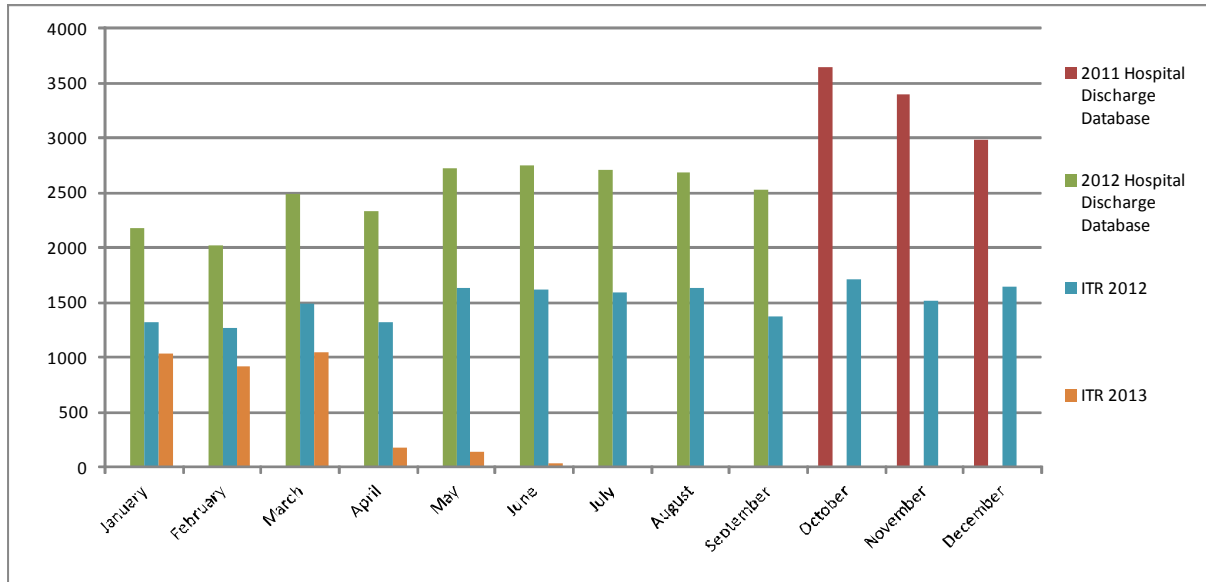
During the week of June 17th to the 21st, Katie Gatz traveled to cities in Southern Indiana to support the EMS registry training tour events in: Terre Haute (17th), Evansville (18th), Scottsburg (19th), Columbus (20th), and Indianapolis (21st). The EMS registry training tour event consisted of two unique training sessions per day in each city. The training was led by ImageTrend who traveled to Indiana and supported by the ISDH division of trauma and injury prevention.

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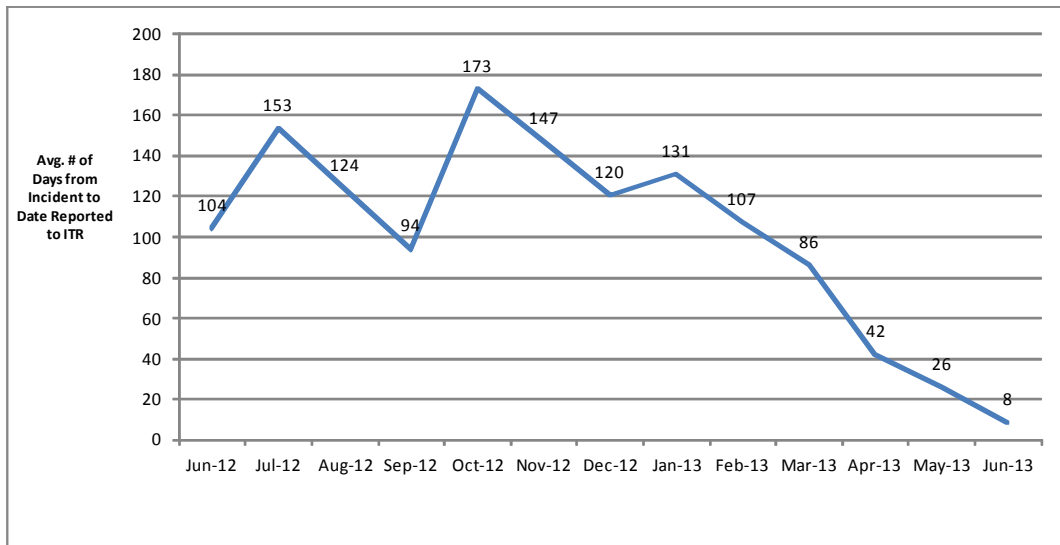
The Indiana Trauma Registry (ITR) monthly report is a dashboard style report for the Indiana Criminal Justice Institute (ICJI) and any other party concerned about trauma in Indiana. This report highlights the three data quality measures for the ICJI grant: completeness, timeliness, and uniformity. This 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 January 2012 until June 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.

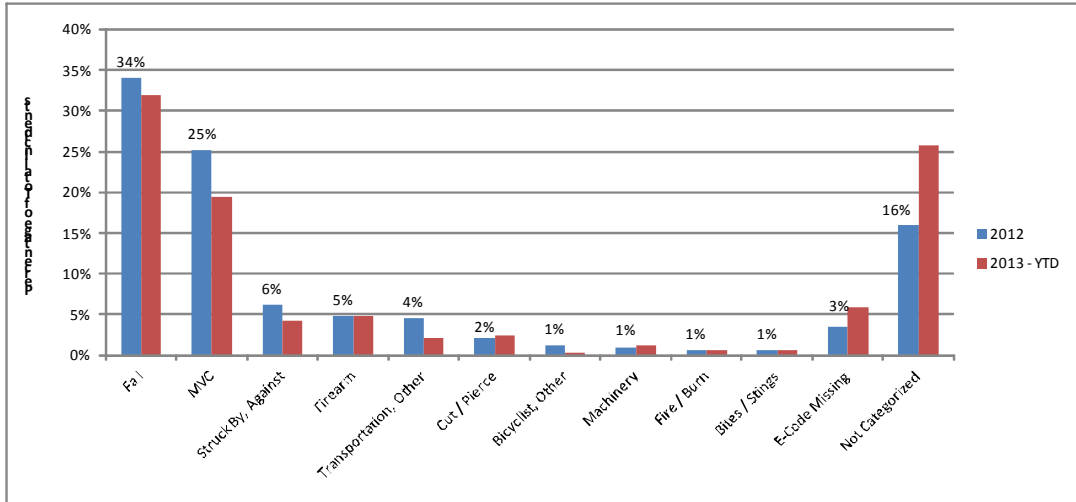
### Uniformity

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
  - Working to perform one study in 2013
  - Working with American Trauma Society to provide cases for study
  - Looking at other sources of cases for study

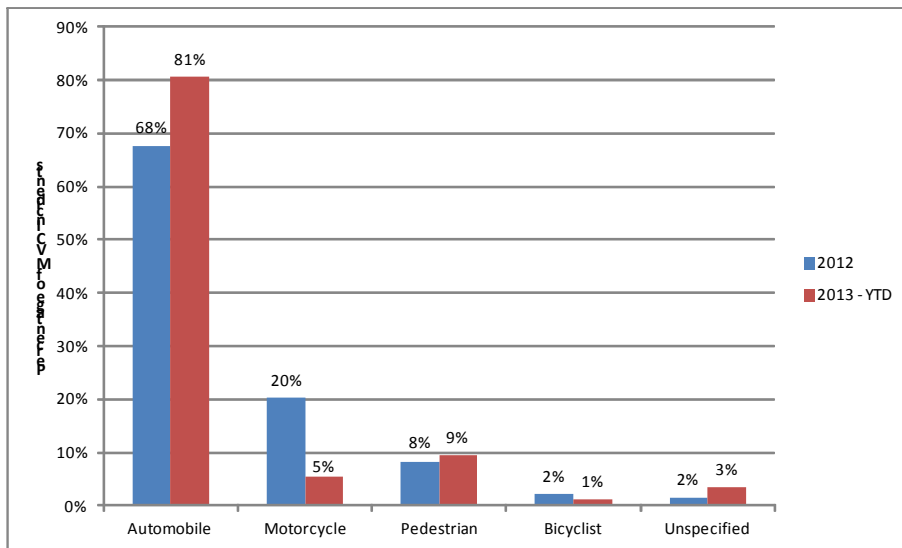
January 2012 to  
June 2013

## Cause of Injury (COI)

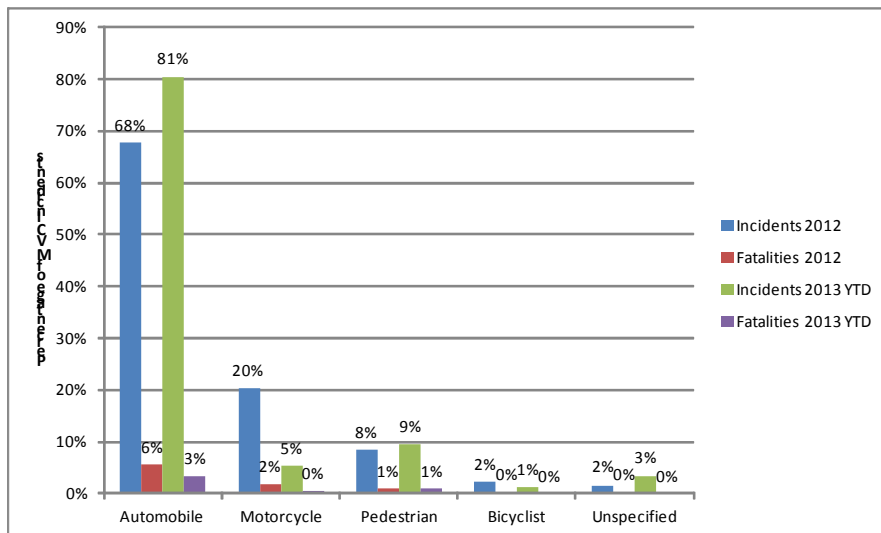


\* <1% COI:  
Pedestrian  
(Other), Natural /  
Environment,  
Overexertion

## COI - Motor Vehicle Collision (MVC)



## COI - MVC Incidents vs. Fatalities



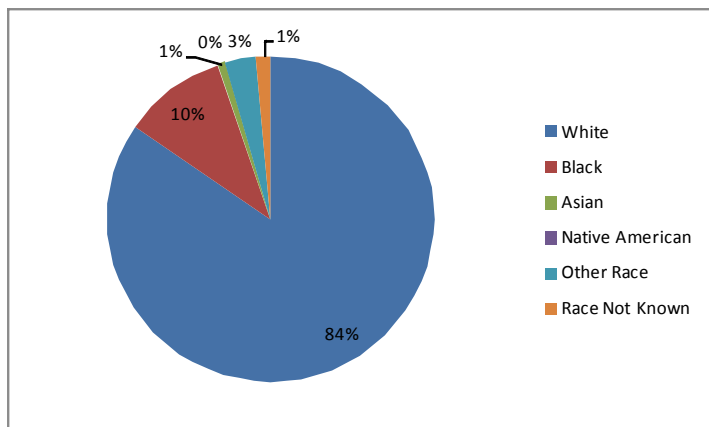
# Indiana Trauma Registry

# Motor Vehicle Collisions

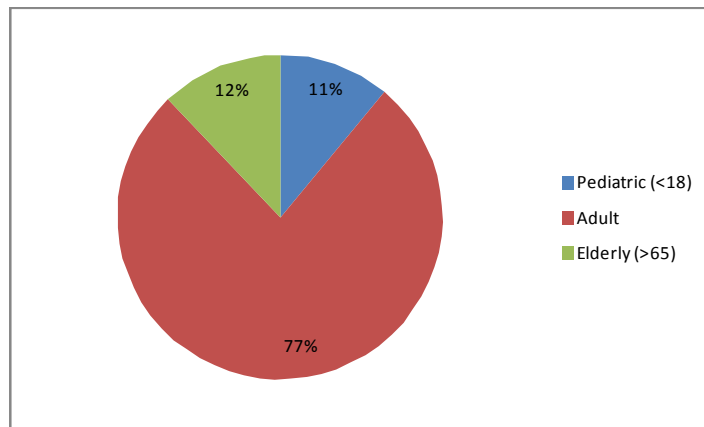
July 2012 to June 2013  
3483 Incidents

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

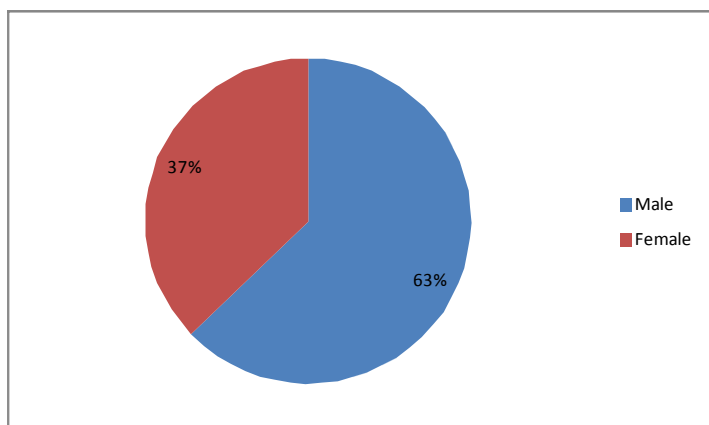
## Race



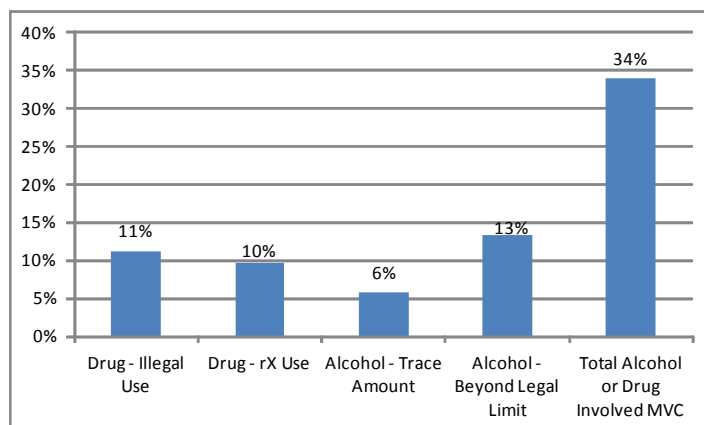
## Age



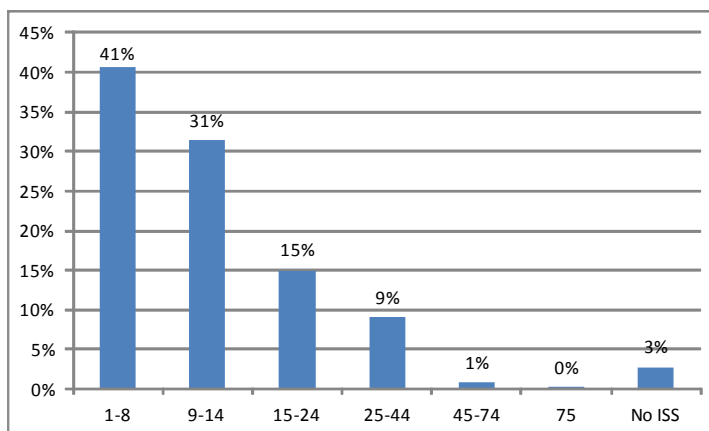
## Gender



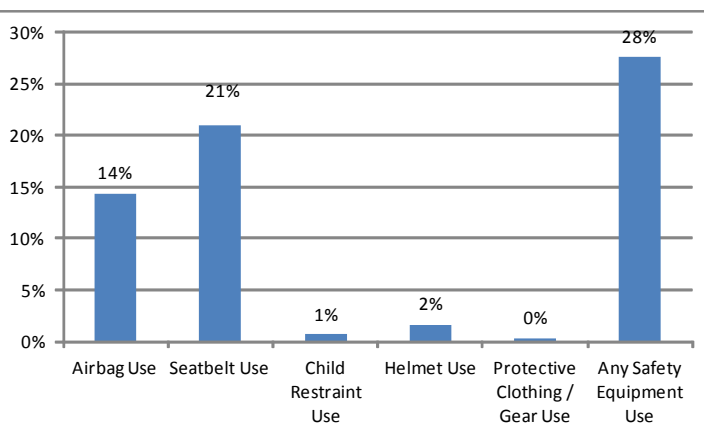
## Drug & Alcohol Use



## Injury Severity Score

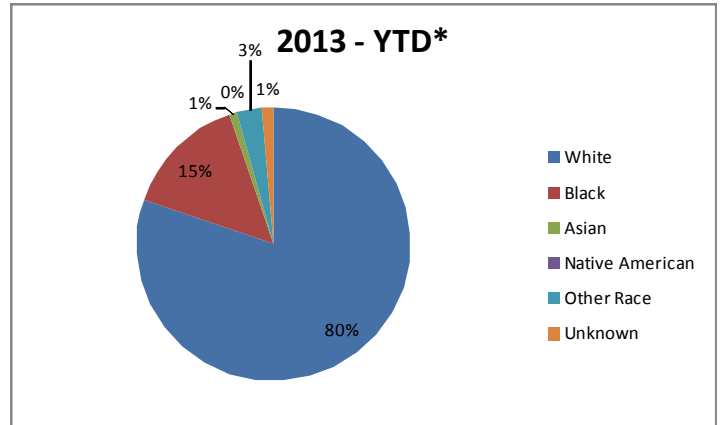
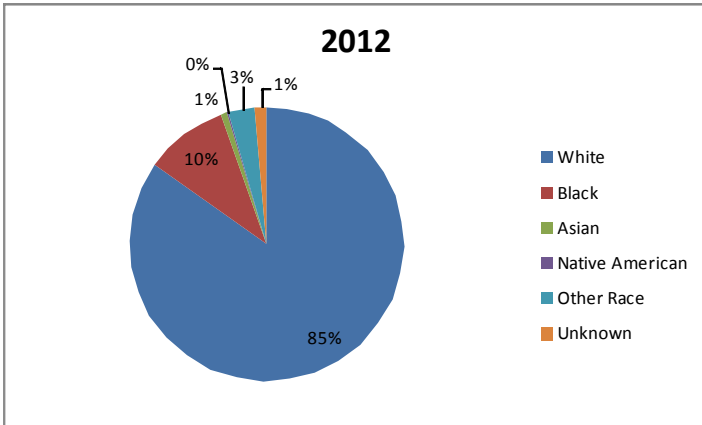


## Protective Devices



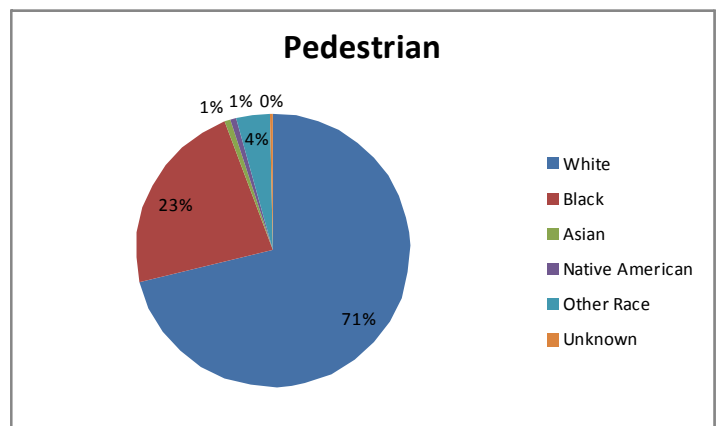
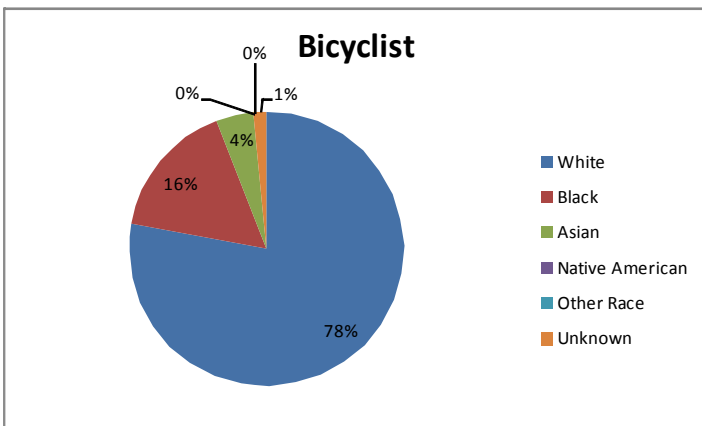
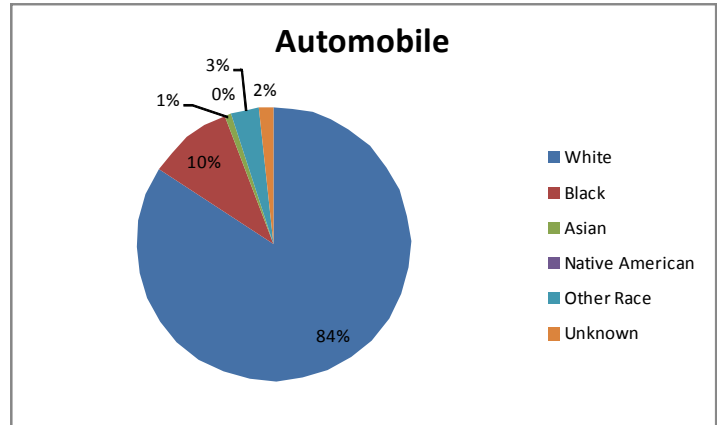
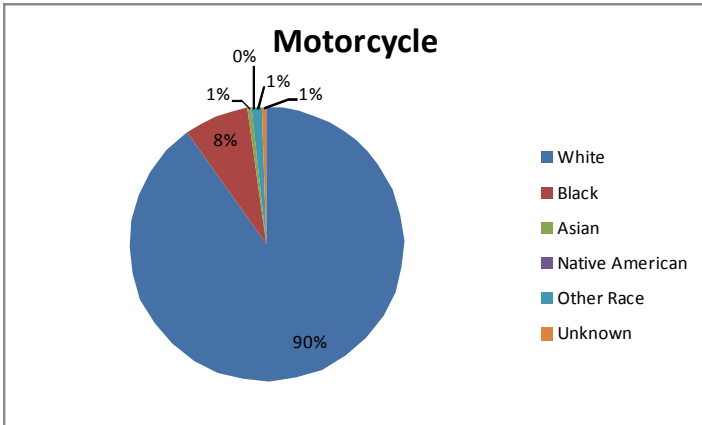
Injury Severity Score (ISS) is a measure of how bad the injury is. Scores over 15 are considered major trauma. A score of 75 is considered not survivable.

## Motor Vehicle Collision

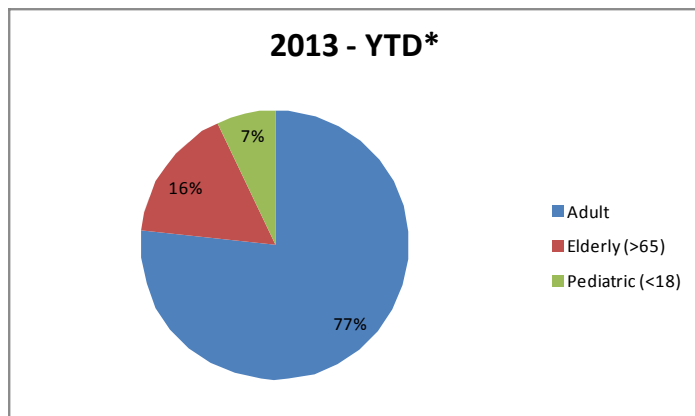
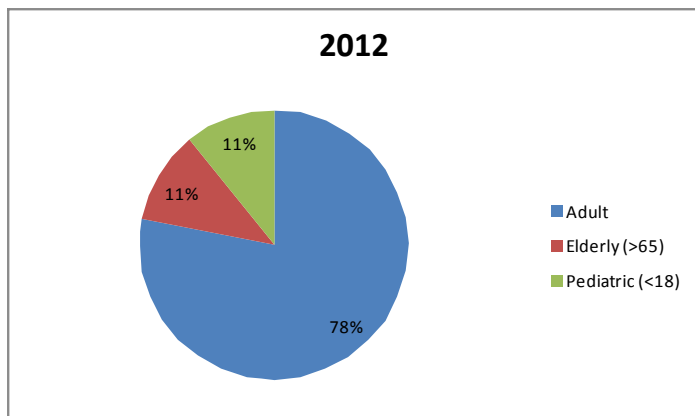


\* May not constitute a representative view of 2013 trauma.

## 2012 - 2013 (YTD)

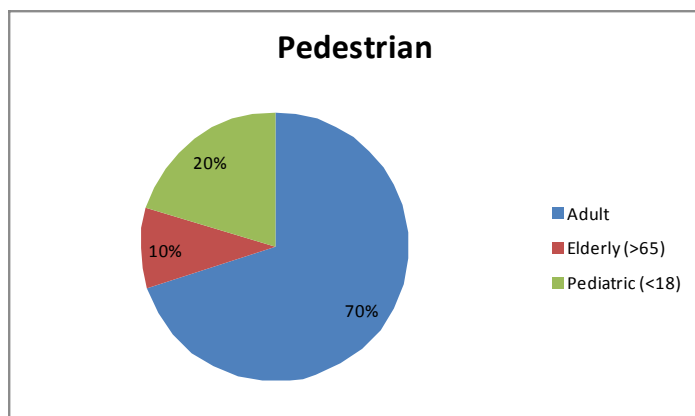
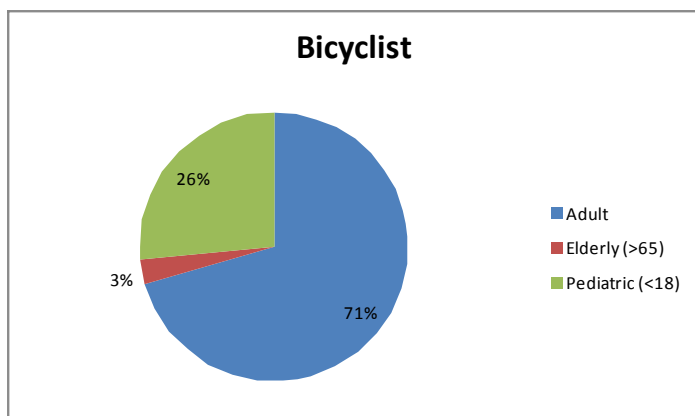
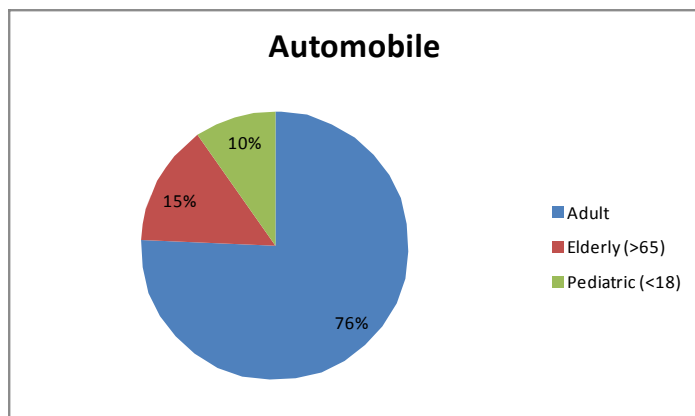
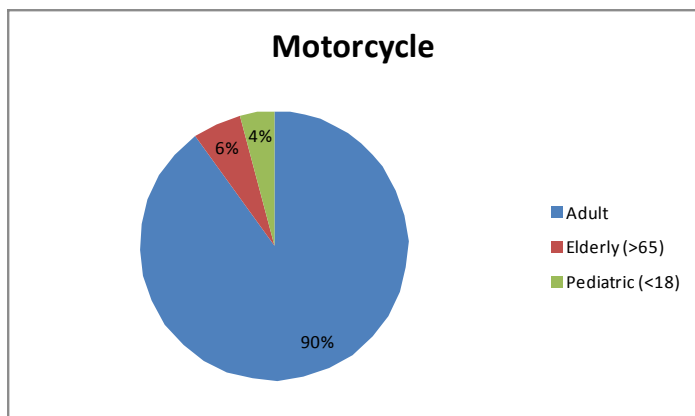


## Motor Vehicle Collision

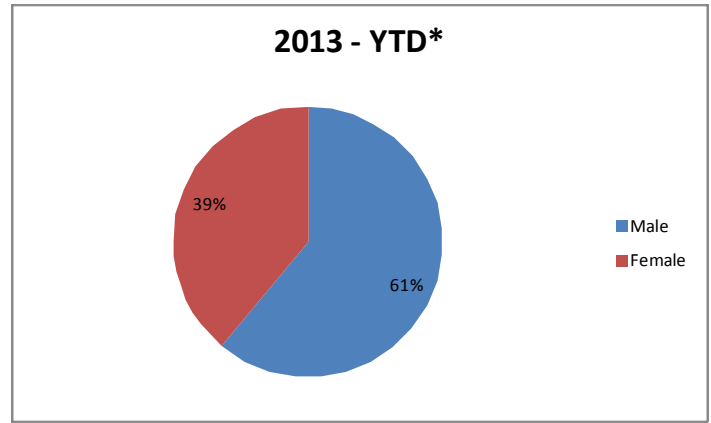
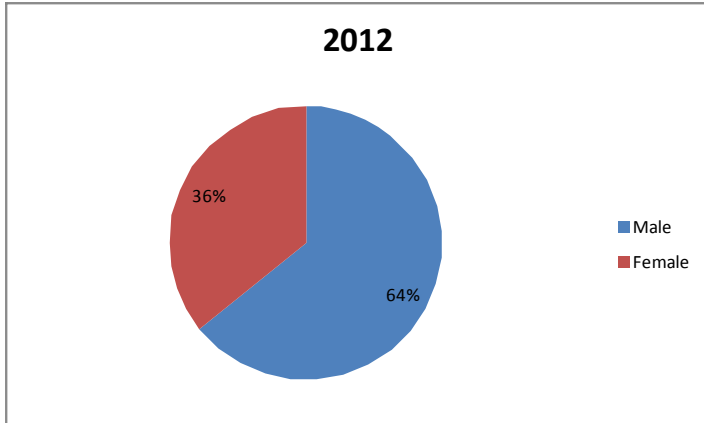


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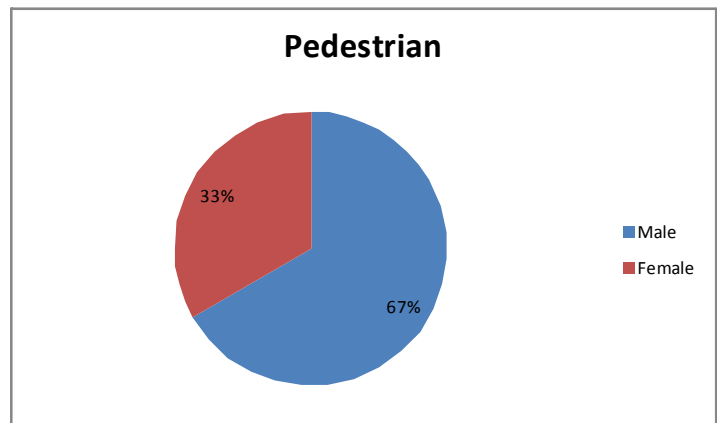
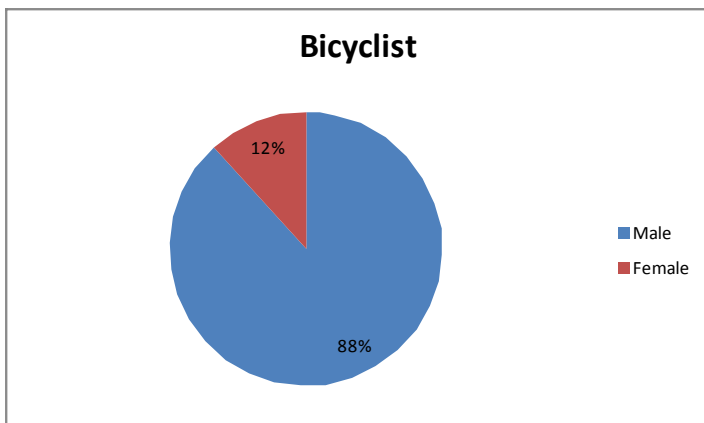
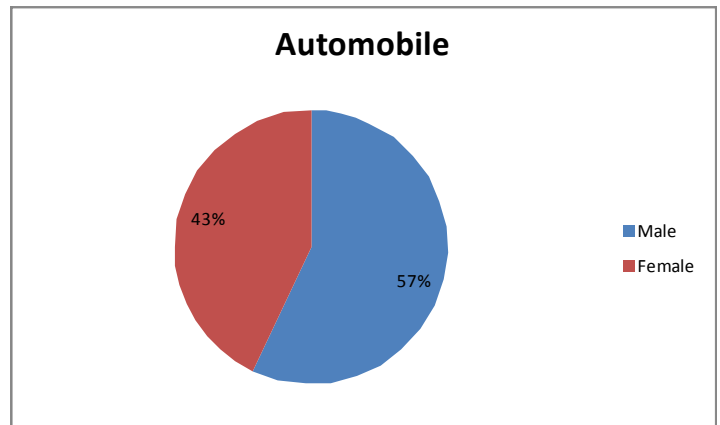
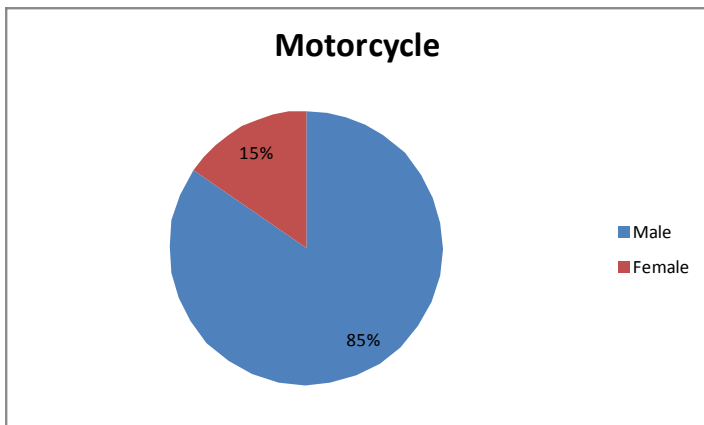


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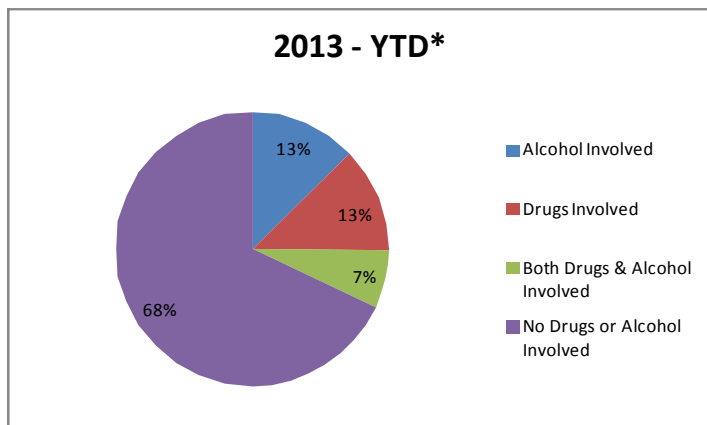
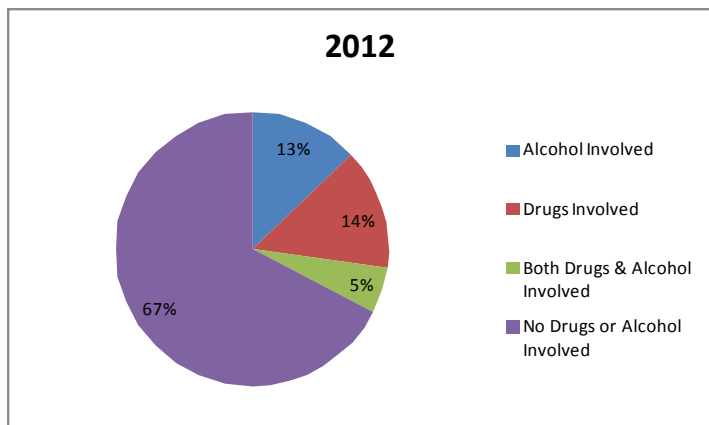


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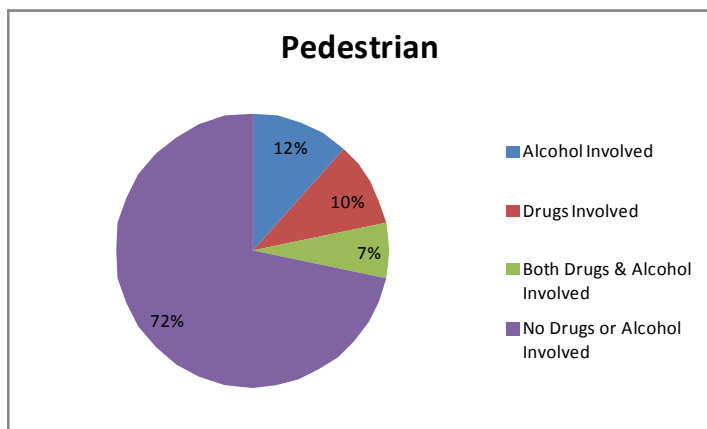
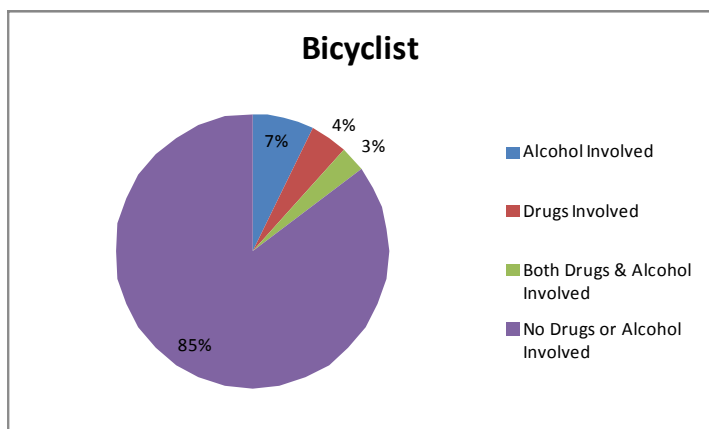
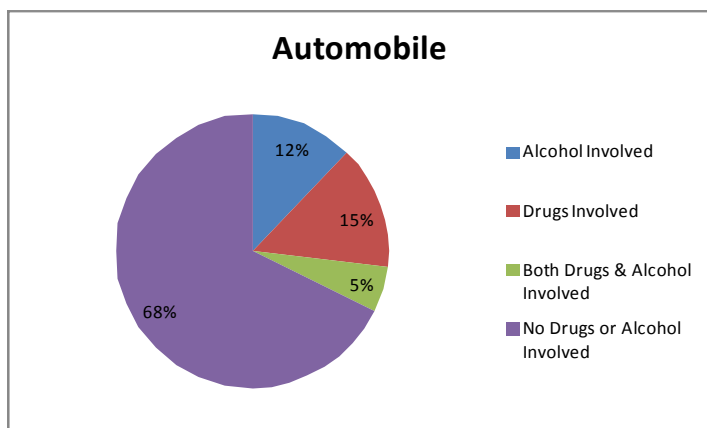
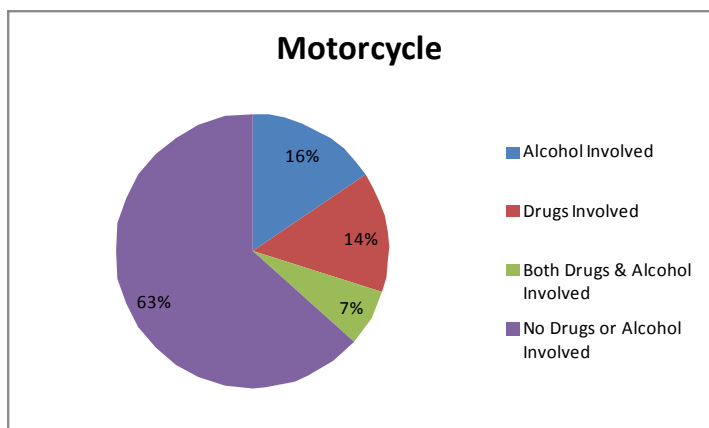


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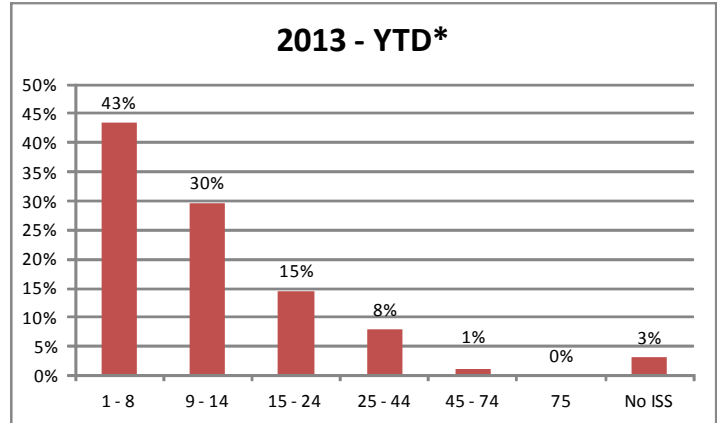
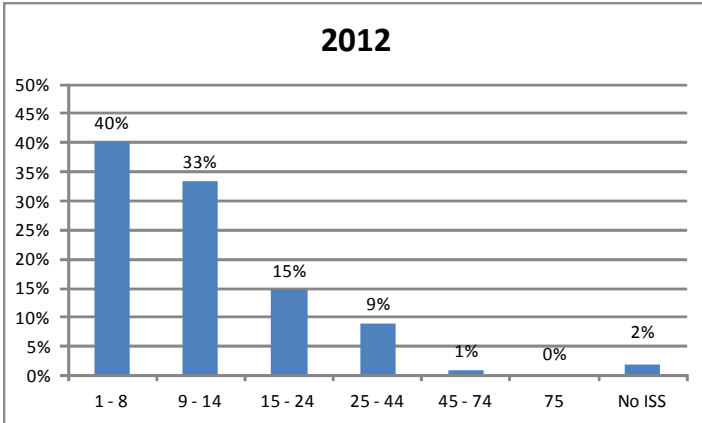
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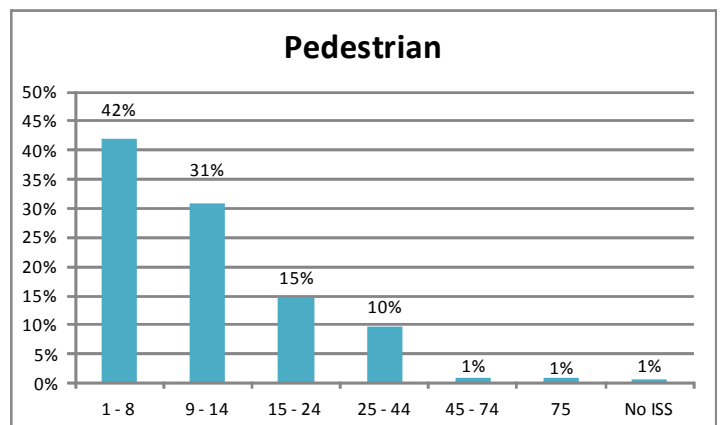
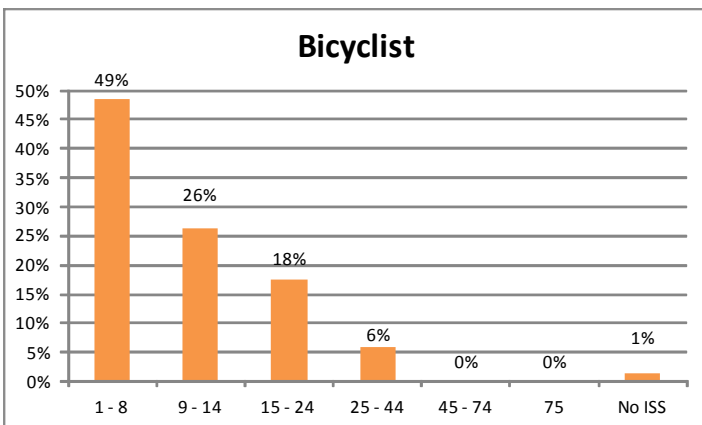
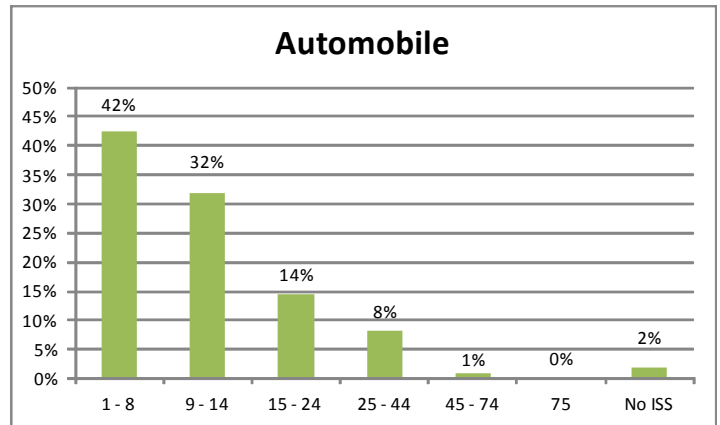
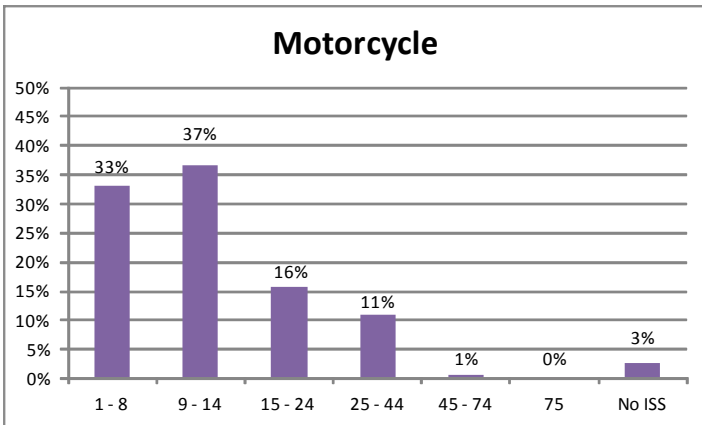


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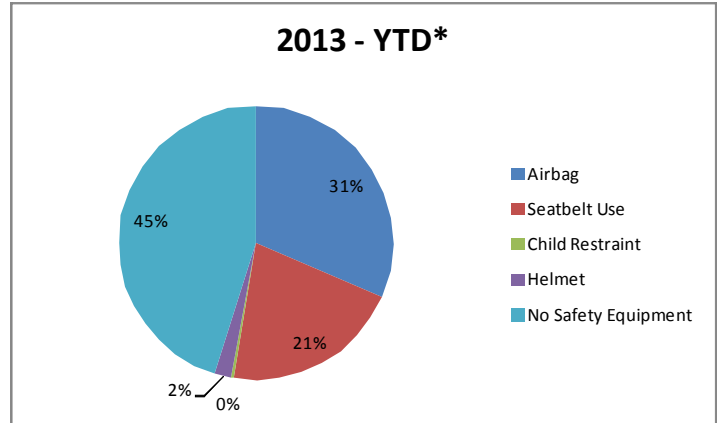
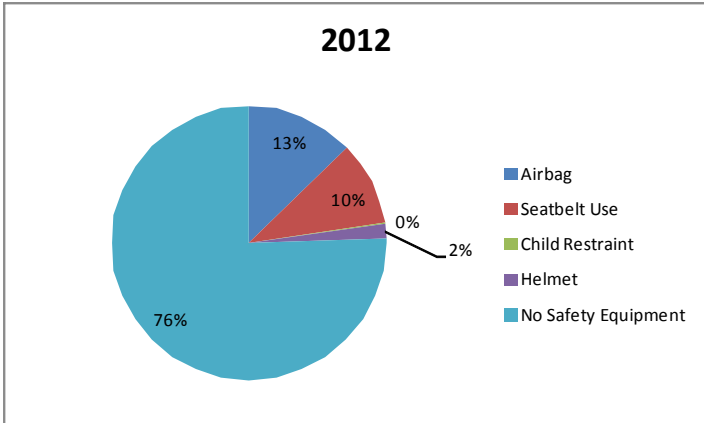


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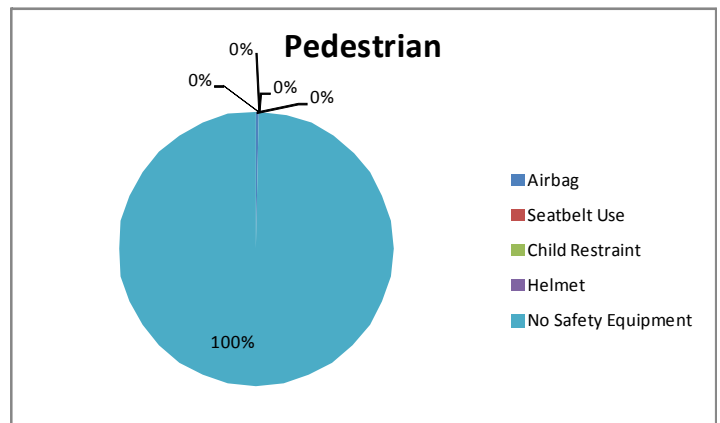
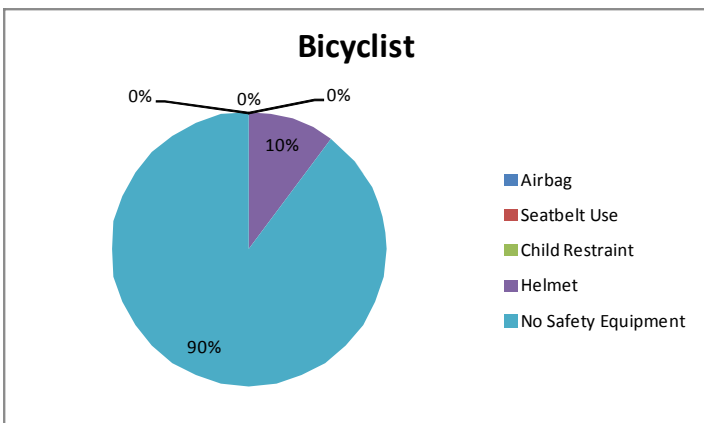
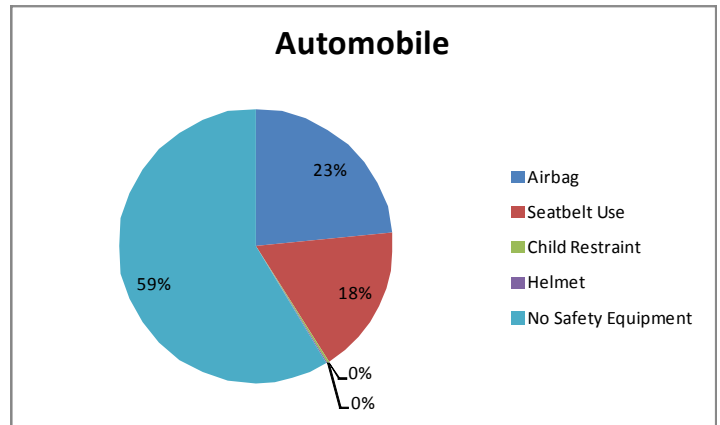
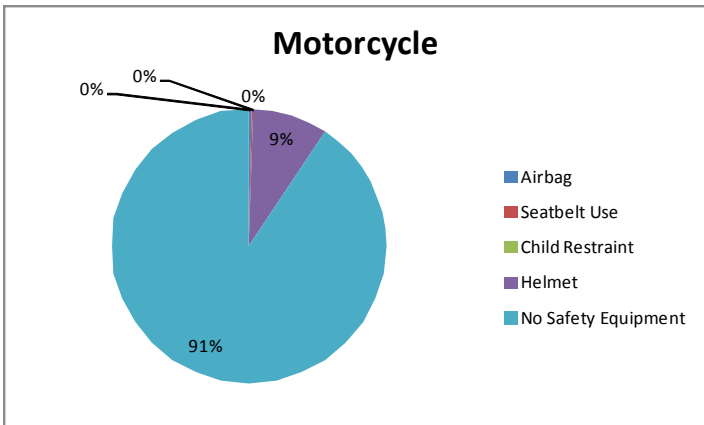


## Motor Vehicle Collision



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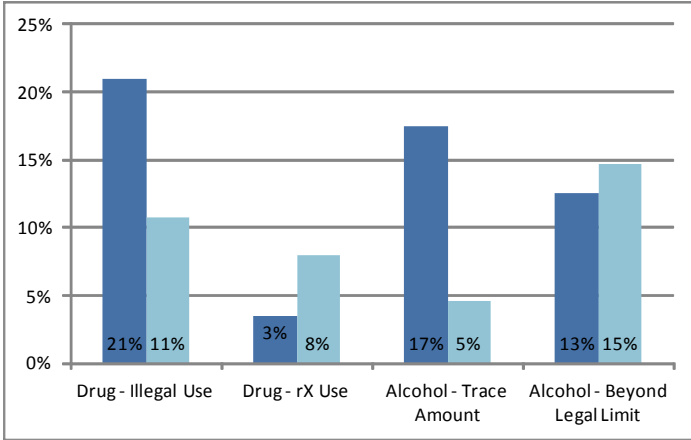
# Indiana Trauma Registry

# MVC involving Drugs or Alcohol

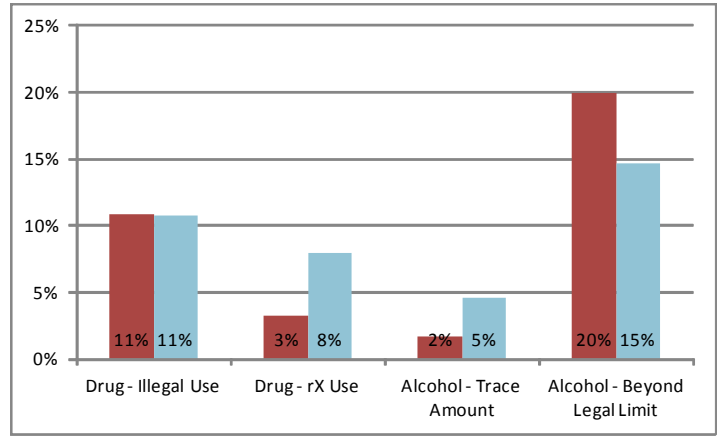
3483 incidents from July 1, 2012 to June 30, 2013  
By Public Health Preparedness Districts

■ Indiana Average

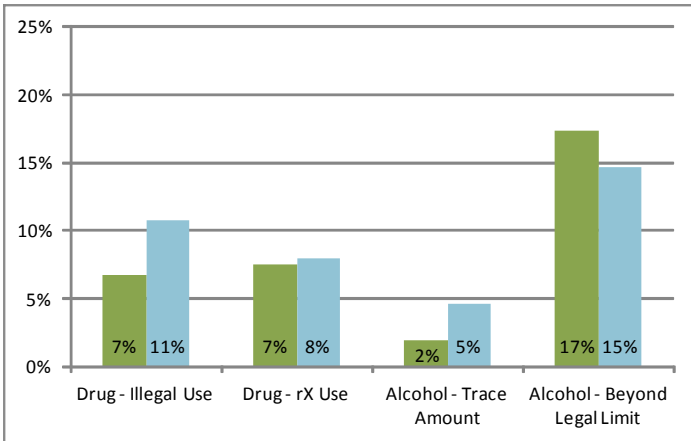
**District 1** n=143



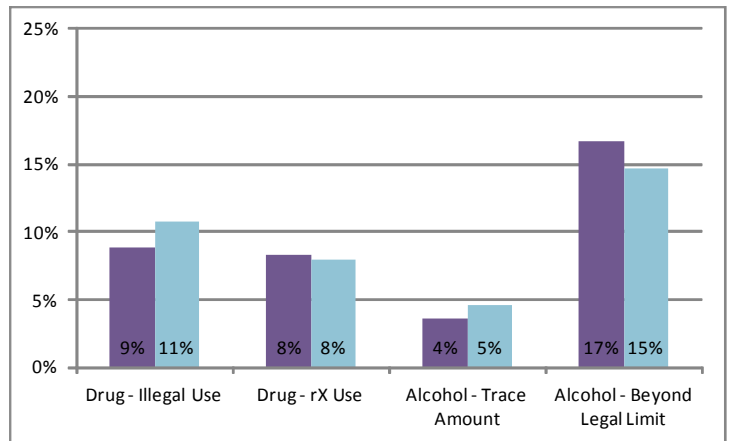
**District 2** n=240



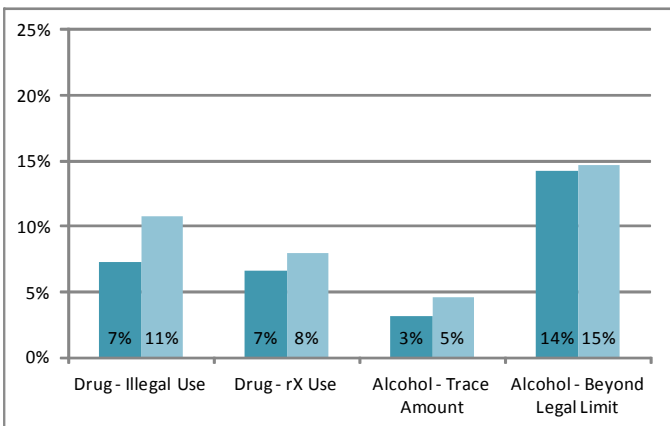
**District 3** n=414



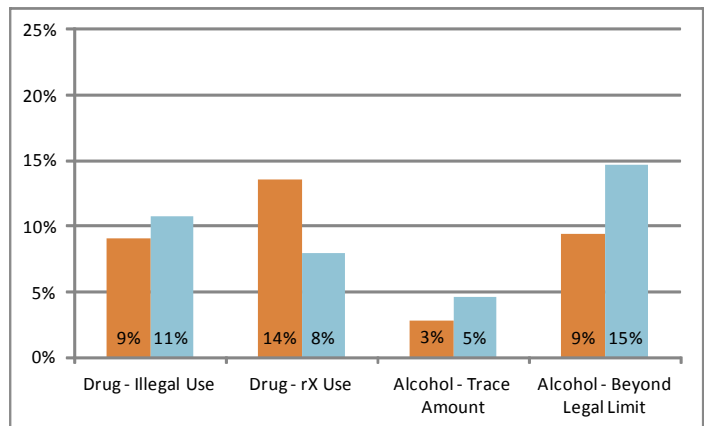
**District 4** n=192



**District 5** n=871



**District 6** n=243



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

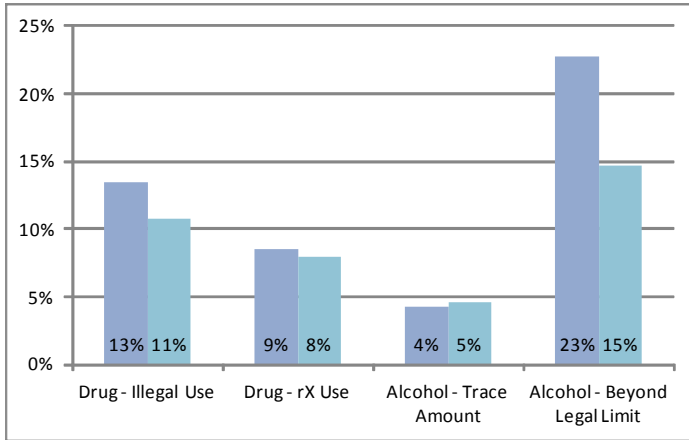
# Indiana Trauma Registry

# MVC involving Drugs or Alcohol

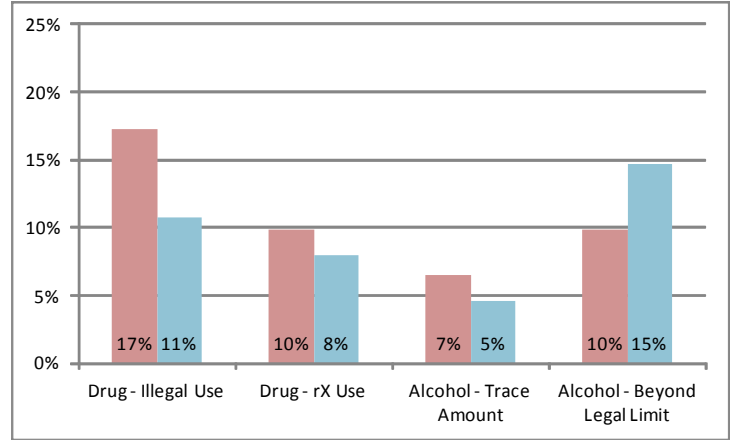
3483 incidents from July 1, 2012 to June 30, 2013  
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**Indiana Average**

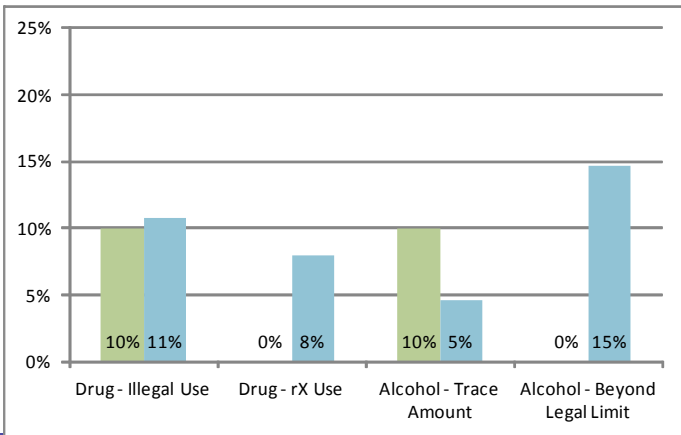
**District 7** n=141



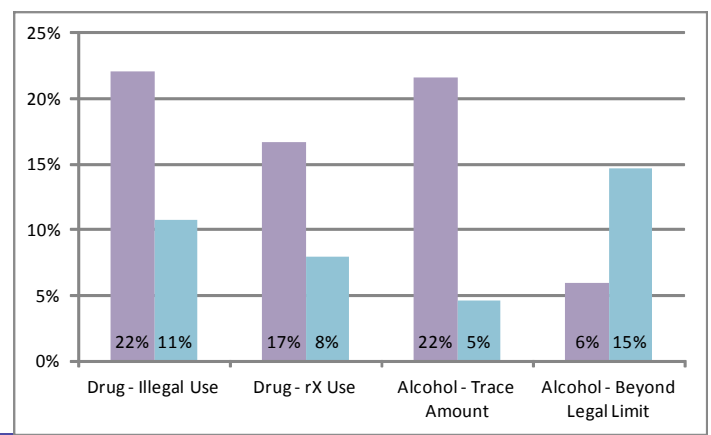
**District 8** n=122



**District 9** n=10



**District 10** n=240



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