On October 8, Ramzi Nimry (Trauma and Injury Prevention Program Director) and Trinh Dinh (Data Analyst) attended the District 3 TRAC held virtually.

On October 14, Ramzi Nimry (Trauma and Injury Prevention Program Director) and Trinh Dinh (Data Analyst) attended the District 6 TRAC held virtually.

On October 16, Katie Hokanson (Director), Ramzi Nimry (Trauma and Injury Prevention Program Director) and Trinh Dinh (Data Analyst) attended the Indiana State Trauma Care Committee.

On October 16, Katie Hokanson (Director), Ramzi Nimry (Trauma and Injury Prevention Program Director) and Trinh Dinh (Data Analyst) attended the Indiana Trauma Network.

On October 21, Katie Hokanson (Director), Ramzi Nimry (Trauma and Injury Prevention Program Director) and Trinh Dinh (Data Analyst) attended the Traffic Records Coordinating Committee.

On October 26, Ramzi Nimry (Trauma and Injury Prevention Program Director) and Trinh Dinh (Data Analyst) attended District 10 TRAC's PI subcommittee group.

On October 29, Ramzi Nimry (Trauma and Injury Prevention Program Director) and Trinh Dinh (Data Analyst) attended District 10 TRAC held virtually.

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 four data quality measures for the ICJI grant: completeness, timeliness, uniformity, integration and accessibility. 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. The hospital discharge database is 69% complete.

2015-2020 Indiana Trauma Registry
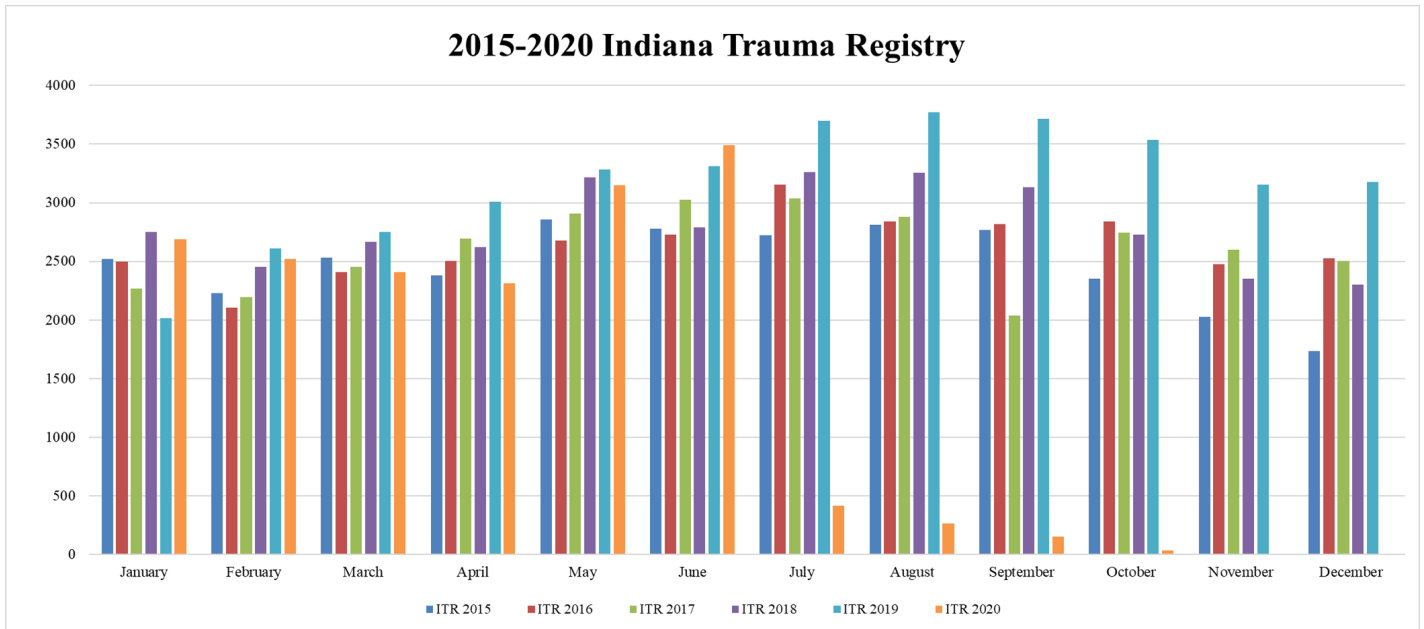
Timeliness

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 average timeliness in the past year was 120 days.

Timeliness (In Days)

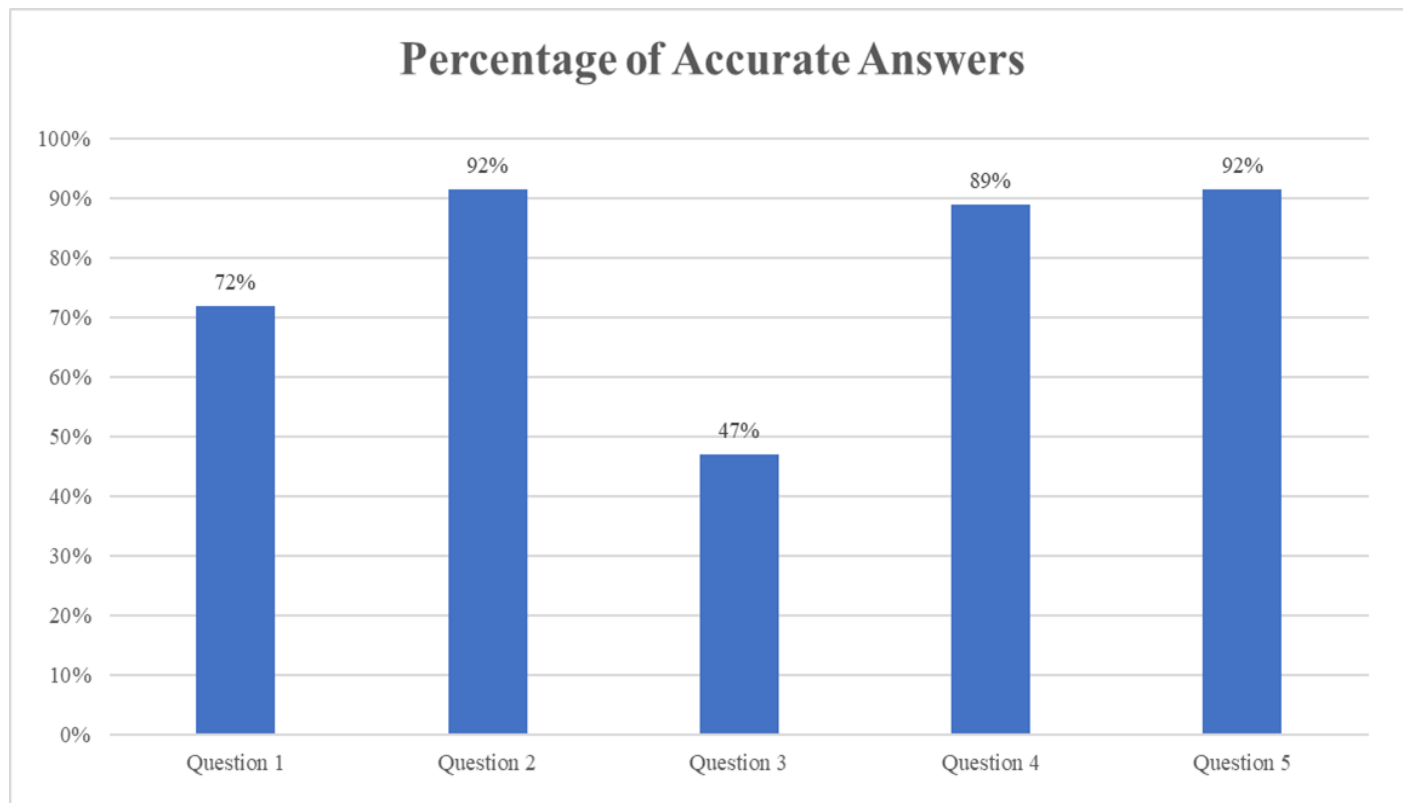Average # days from date incident reported to date reported to ITR
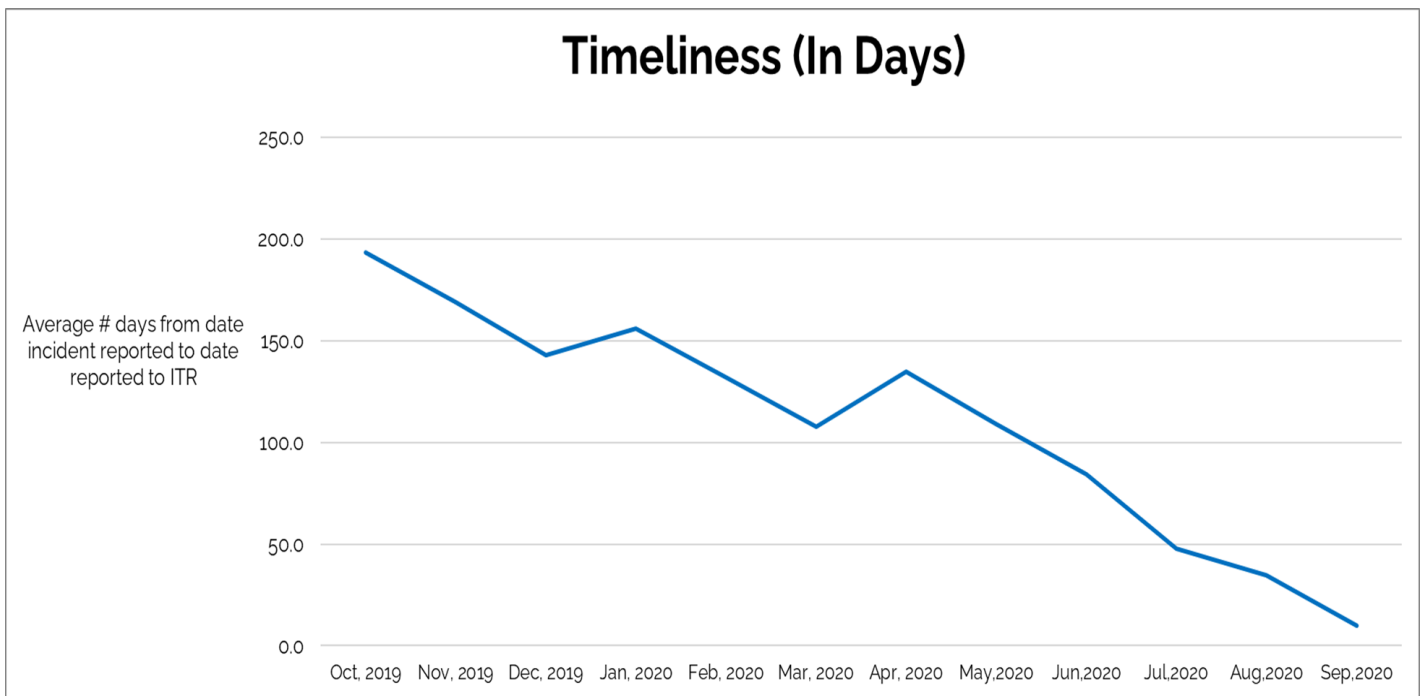
Uniformity

In October, there were 26 participants from 22 (17% of hospitals with EDs in Indiana) hospitals who completed the quiz.
The percent correct was 67% and the free-marginal kappa was 0.50.
Activities to improve the uniformity of data include trauma registrar training throughout the state and at the
Indiana Department of Health.

Percentage of Accurate Answers

Question 1	Question 2	Question 3	Question 4	Question 5
72%	92%	47%	89%	92%

Integration

The number of linked EMS to trauma cases was 1,639 for Q3 2018 data. Trauma data are due on a quarterly basis.

Accessibility

There was 1 aggregate requests in October. There were no identifiable data requests.

October 2020 Indiana Trauma Registry Report
Overall Cause of Injury (COI)

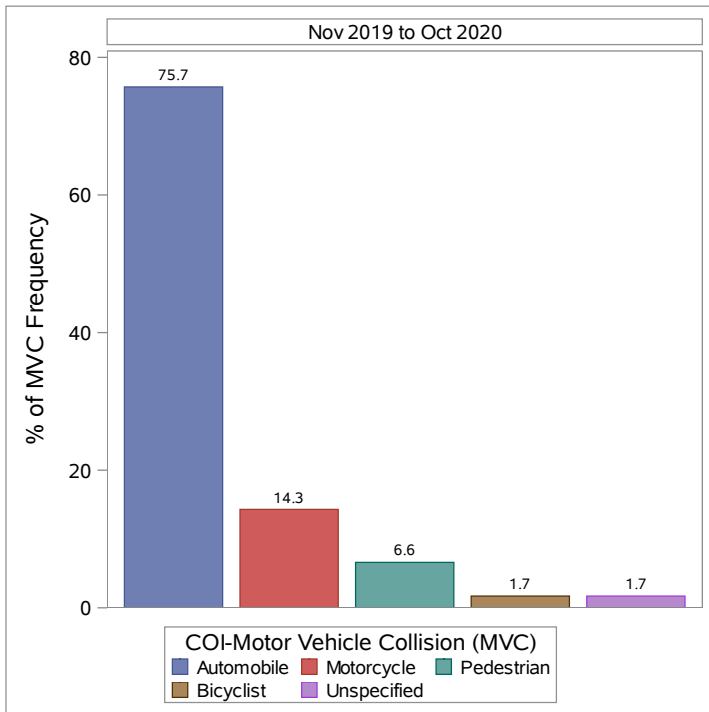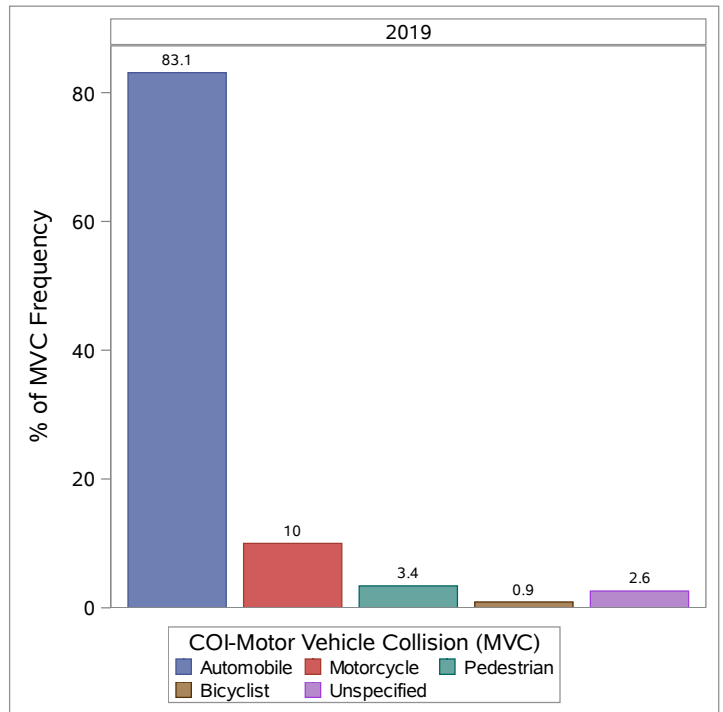**November 2019 - October 2020:**   18380 Incidents   **2019:**   38748 Incidents

Nov 2019 to Oct 2020

- Transport: 23.6
- Falls: 55.8
- Inanimate Mechanical Forces: 5.5
- Animate Mechanical Forces: 1.7
- Not Identified: 11.3

Cause of Injury (COI)
- Transport
- Falls
- Inanimate Mechanical Forces
- Animate Mechanical Forces
- Not Identified

2019

- Transport: 29.9
- Falls: 52.1
- Inanimate Mechanical Forces: 5.1
- Animate Mechanical Forces: 1.8
- Not Identified: 8.9

Cause of Injury (COI)
- Transport
- Falls
- Inanimate Mechanical Forces
- Animate Mechanical Forces
- Not Identified

COI-Motor Vehicle Collision (MVC)

November 2019 - October 2020:   3325 Incidents   **2019:**   9263 Incidents

Nov 2019 to Oct 2020

- Automobile: 75.7
- Motorcycle: 14.3
- Pedestrian: 6.6
- Bicyclist: 1.7
- Unspecified: 1.7

COI-Motor Vehicle Collision (MVC)
- Automobile
- Motorcycle
- Pedestrian
- Bicyclist
- Unspecified

2019

- Automobile: 83.1
- Motorcycle: 10
- Pedestrian: 3.4
- Bicyclist: 0.9
- Unspecified: 2.6

COI-Motor Vehicle Collision (MVC)
- Automobile
- Motorcycle
- Pedestrian
- Bicyclist
- Unspecified

October 2020 Indiana Trauma Registry Report

Motor Vehicle Collision: Nonfatal Incidents and Fatal Incidents

November 2019 - October 2020
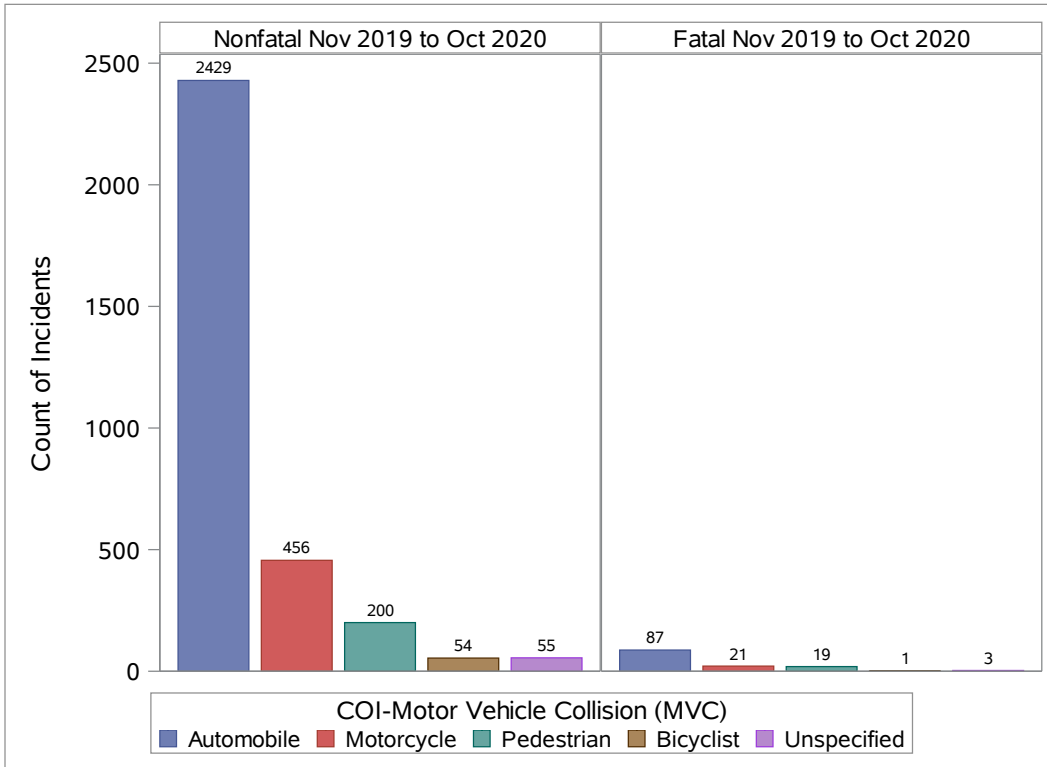
2019
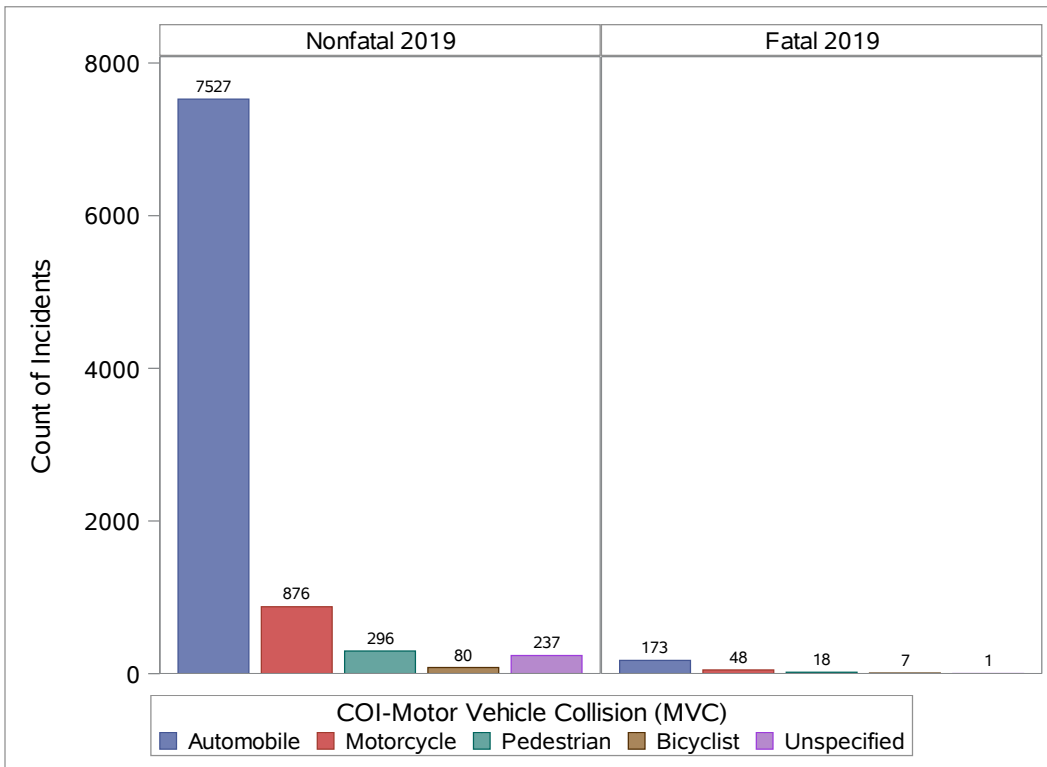
October 2020 Indiana Trauma Registry Report
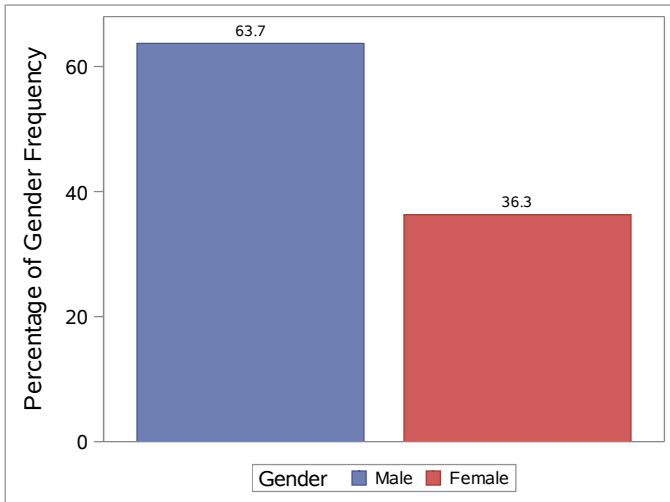## Overall Motor Vehicle Collisions (MVC) November 2019 - October 2020

Race
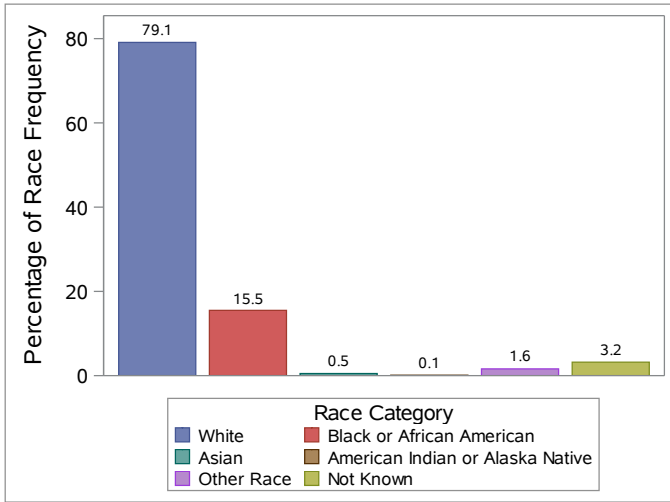
Age
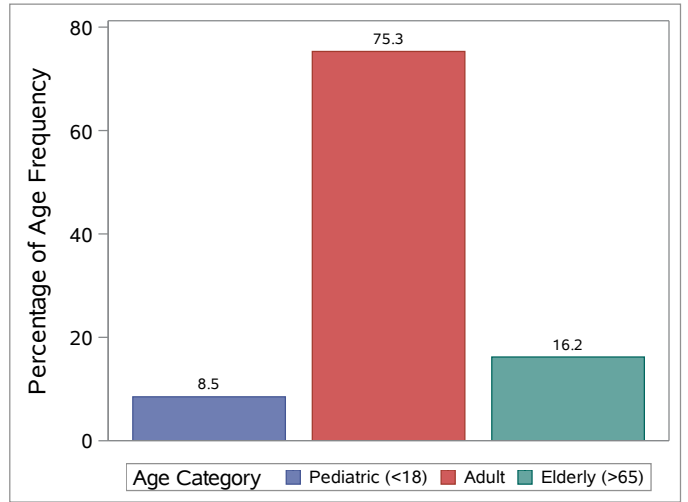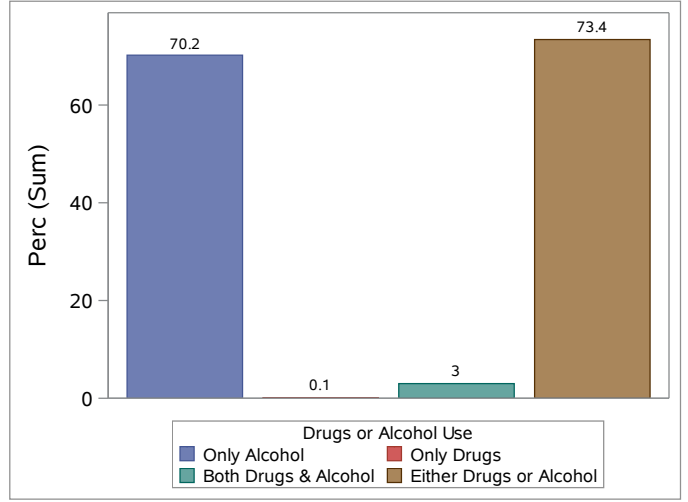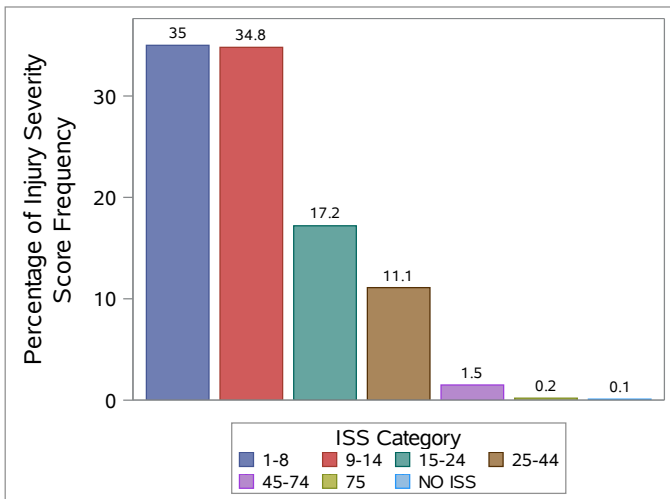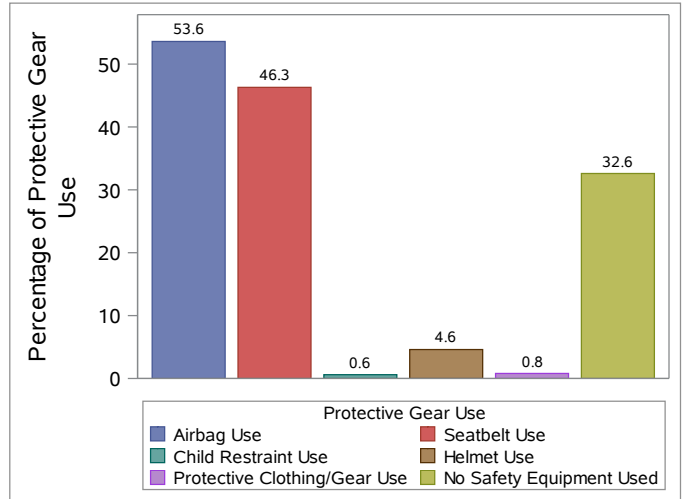

Gender

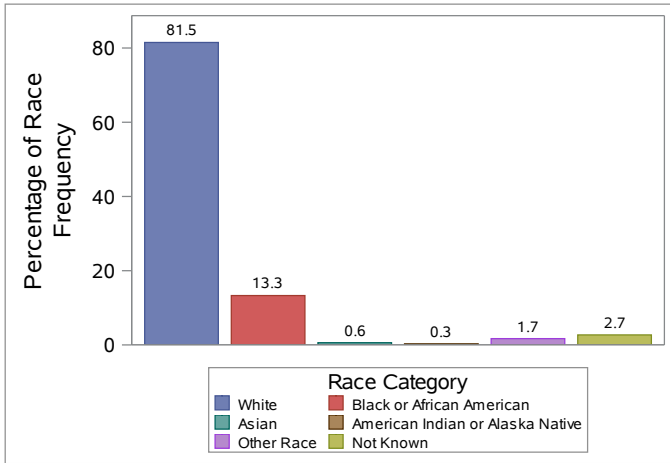### Drug & Alcohol Use

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.

October 2020 Indiana Trauma Registry Report
Motor Vehicle Collisions by Race

2019

November 2019 - October 2020
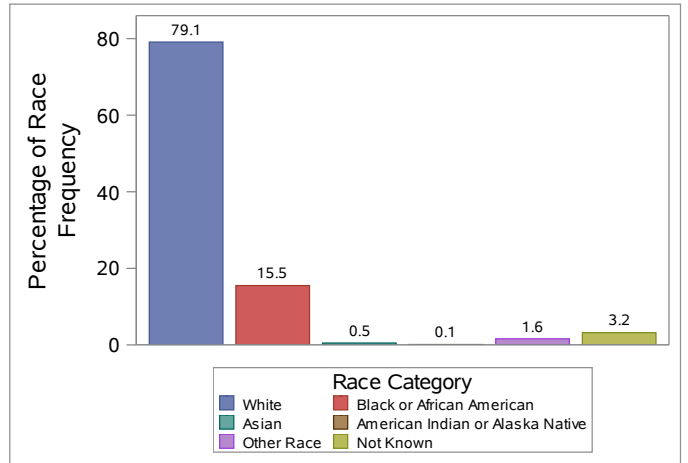
November 2019 - October 2020:   MVC by Collision Type and Race
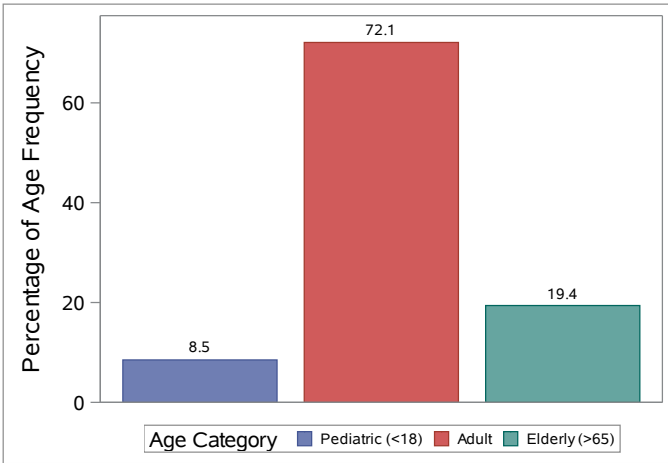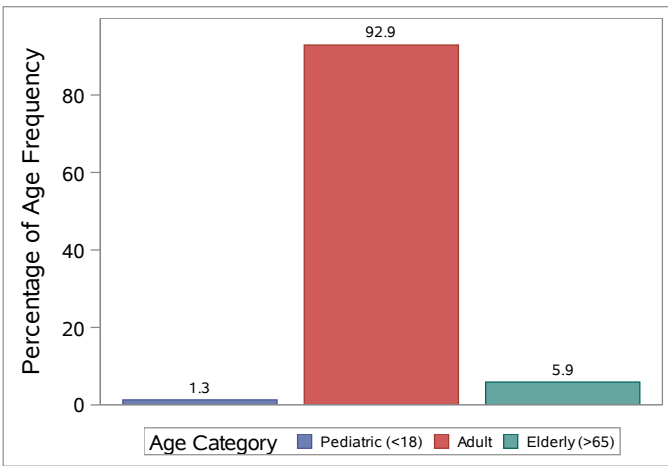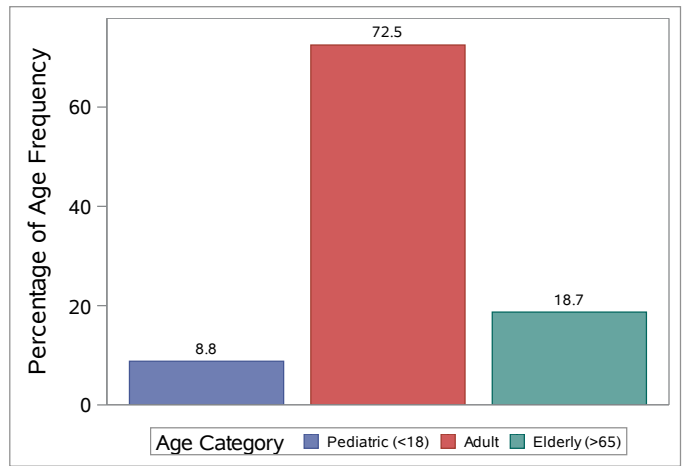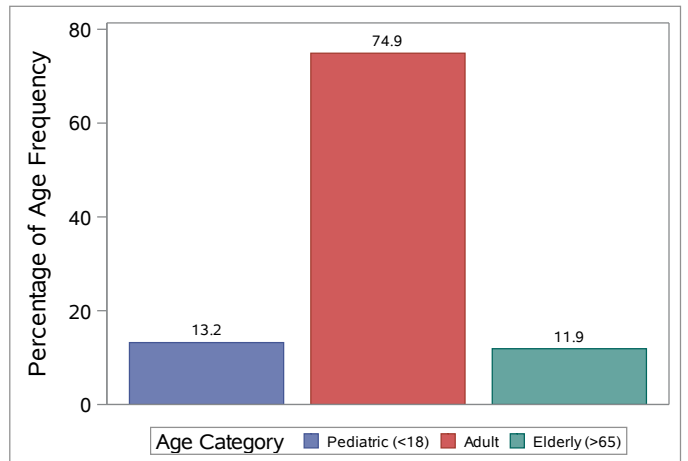
Motorcycle
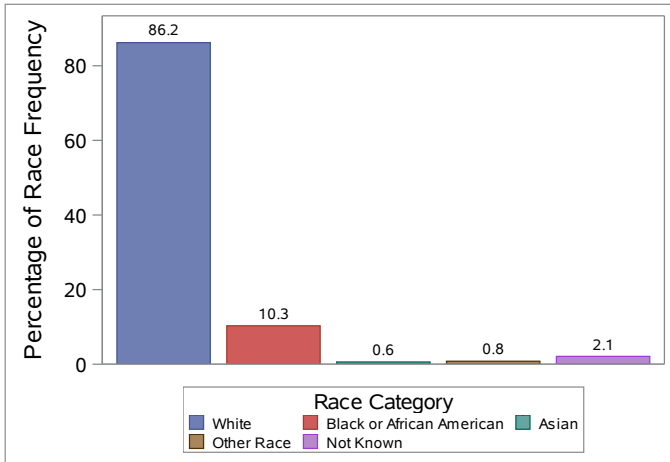
Automobile
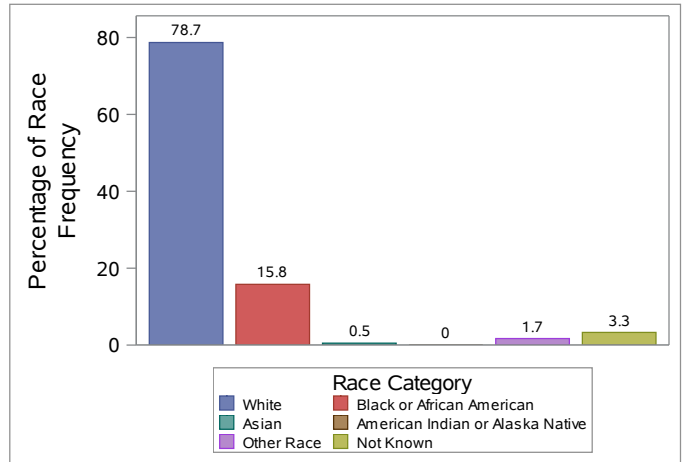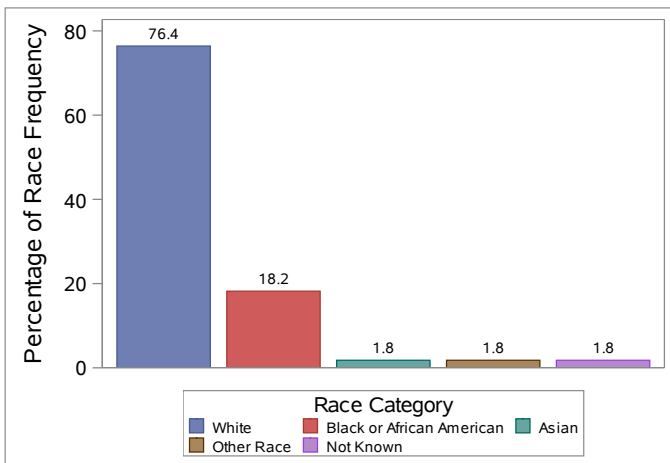
Bicyclist
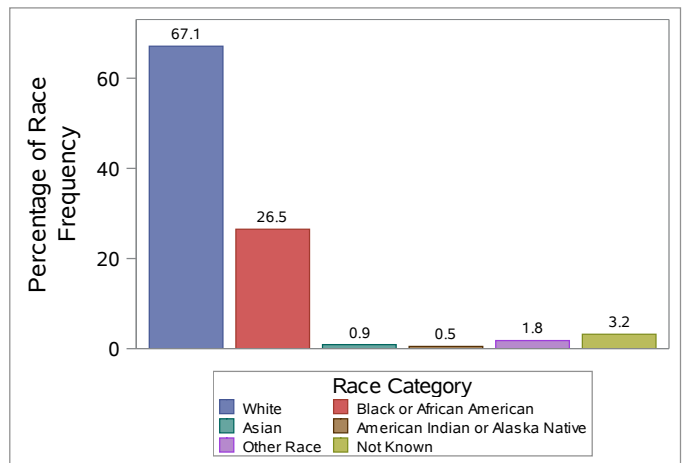
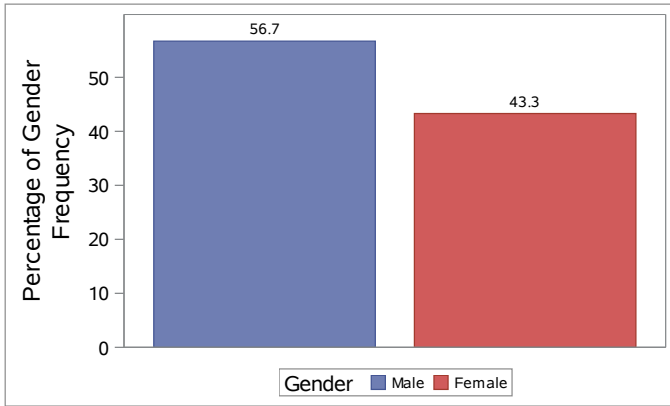### Pedestrian

October 2020 Indiana Trauma Registry Report
Motor Vehicle Collision by Age Category

2019

Percentage of Age Frequency

- 8.5
- 72.1
- 19.4

Age Category — Pediatric (<18)   Adult   Elderly (>65)

Race

Percentage of Age Frequency

- 8.5
- 75.3
- 16.2

Age Category — Pediatric (<18)   Adult   Elderly (>65)
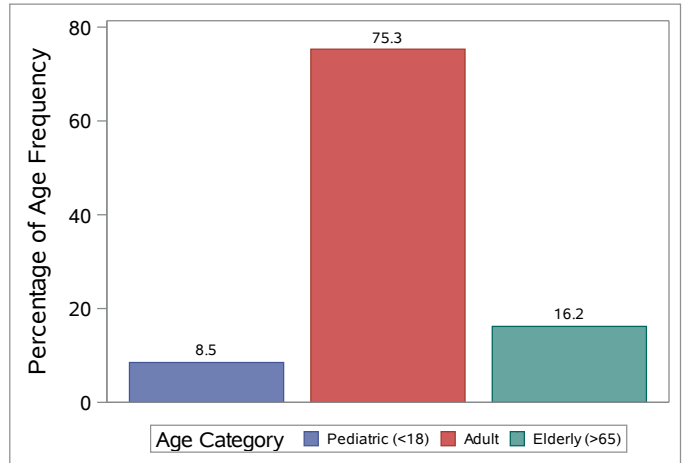
November 2019 - October 2020: MVC by Collision Type and Age Category

Motorcycle

Percentage of Age Frequency

- 1.3
- 92.9
- 5.9

Age Category — Pediatric (<18)   Adult   Elderly (>65)

Automobile

Percentage of Age Frequency

- 8.8
- 72.5
- 18.7

Age Category — Pediatric (<18)   Adult   Elderly (>65)

Bicyclist

Percentage of Age Frequency

- 27.3
- 65.5
- 7.3

Age Category — Pediatric (<18)   Adult   Elderly (>65)

Pedestrian

Percentage of Age Frequency

- 13.2
- 74.9
- 11.9

Age Category — Pediatric (<18)   Adult   Elderly (>65)
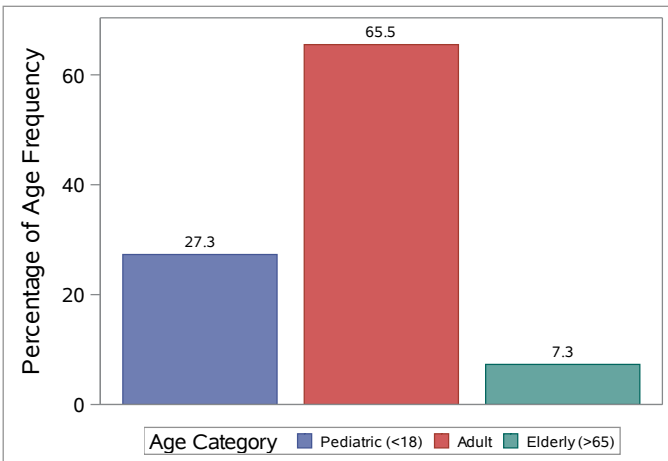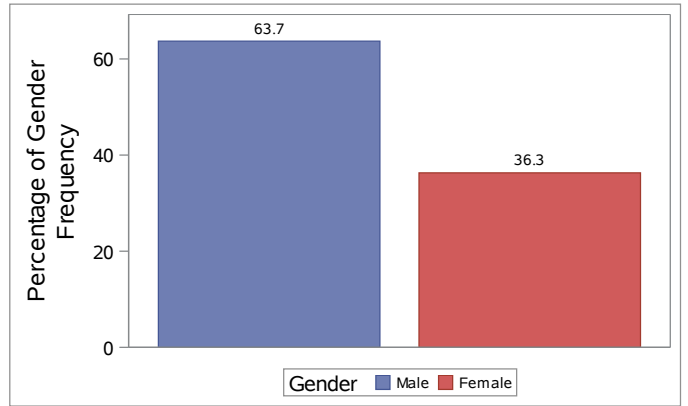
October 2020 Indiana Trauma Registry Report
Motor Vehicle Collision by Gender
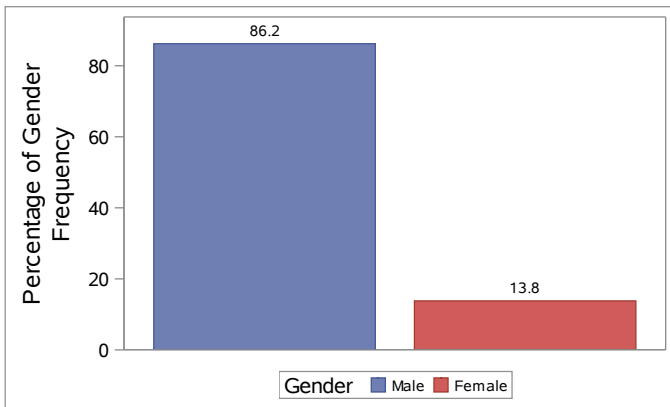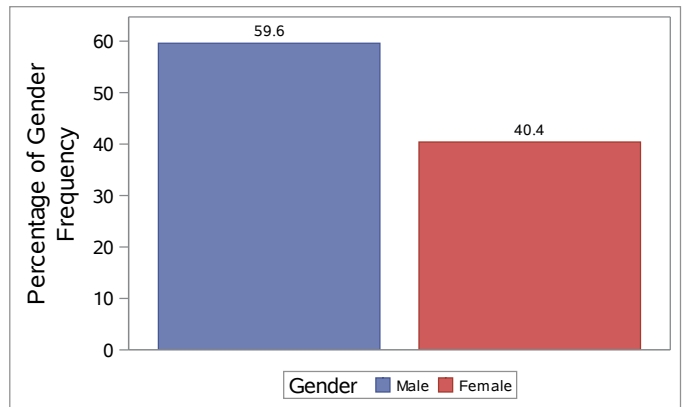
2019

Race

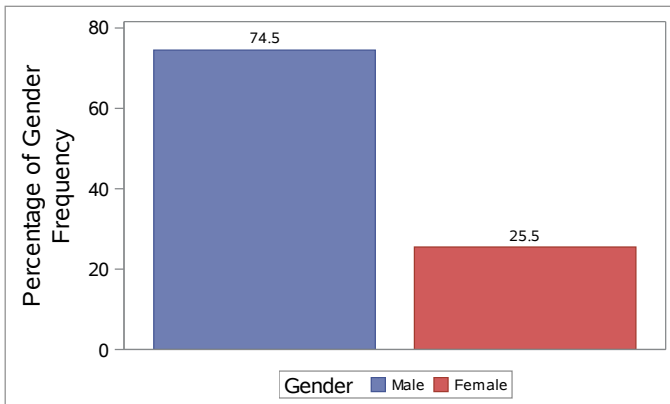## November 2019 - October 2020: MVC by Collision Type and Gender
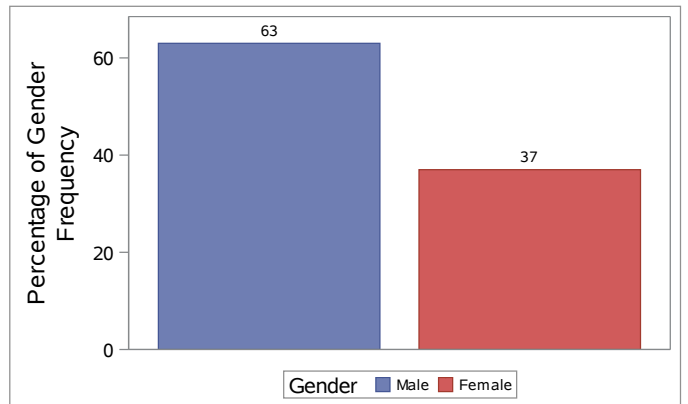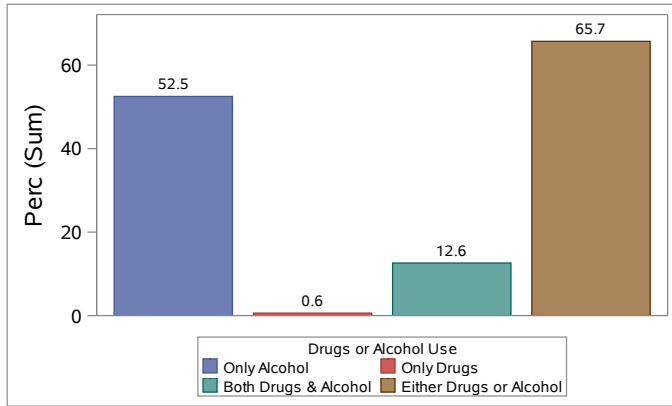
Motorcycle

Automobile

Bicyclist

Pedestrian

October 2020 Indiana Trauma Registry Report
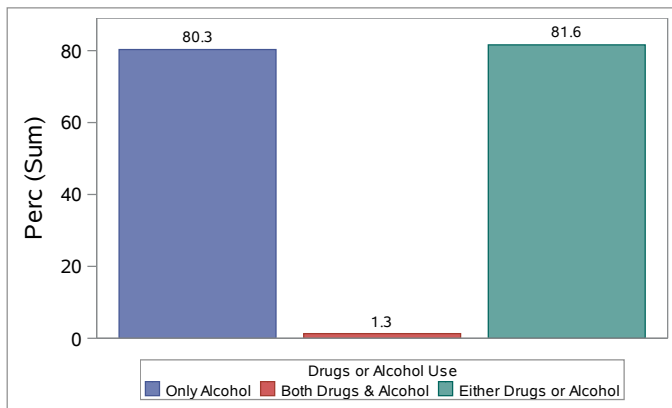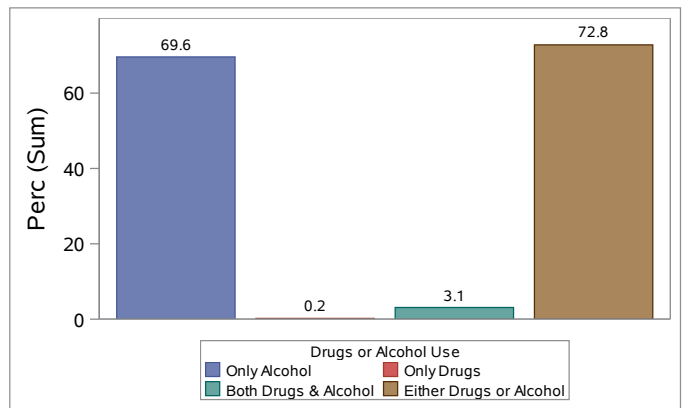## Motor Vehicle Collision by Drug & Alcohol Use

2019

Bar chart — Perc (Sum):
- Only Alcohol: 52.5
- Only Drugs: 0.6
- Both Drugs & Alcohol: 12.6
- Either Drugs or Alcohol: 65.7

Drugs or Alcohol Use: Only Alcohol, Only Drugs, Both Drugs & Alcohol, Either Drugs or Alcohol

November 2019 - October 2020

Bar chart — Perc (Sum):
- Only Alcohol: 70.2
- Only Drugs: 0.1
- Both Drugs & Alcohol: 3
- Either Drugs or Alcohol: 73.4

Drugs or Alcohol Use: Only Alcohol, Only Drugs, Both Drugs & Alcohol, Either Drugs or Alcohol
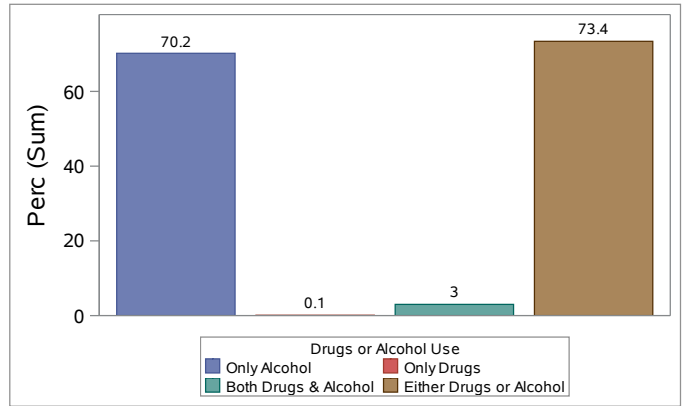
November 2019 - October 2020: MVC by Collision Type and Drug & Alcohol Use

Motorcycle

Bar chart — Perc (Sum):
- Only Alcohol: 80.3
- Both Drugs & Alcohol: 1.3
- Either Drugs or Alcohol: 81.6

Drugs or Alcohol Use: Only Alcohol, Both Drugs & Alcohol, Either Drugs or Alcohol

Automobile

Bar chart — Perc (Sum):
- Only Alcohol: 69.6
- Only Drugs: 0.2
- Both Drugs & Alcohol: 3.1
- Either Drugs or Alcohol: 72.8

Drugs or Alcohol Use: Only Alcohol, Only Drugs, Both Drugs & Alcohol, Either Drugs or Alcohol

Bicyclist

Bar chart — Perc (Sum):
- Only Alcohol: 60
- Both Drugs & Alcohol: 9.1
- Either Drugs or Alcohol: 69.1

Drugs or Alcohol Use: Only Alcohol, Both Drugs & Alcohol, Either Drugs or Alcohol

Pedestrian

Bar chart — Perc (Sum):
- Only Alcohol: 61.6
- Both Drugs & Alcohol: 5
- Either Drugs or Alcohol: 66.7

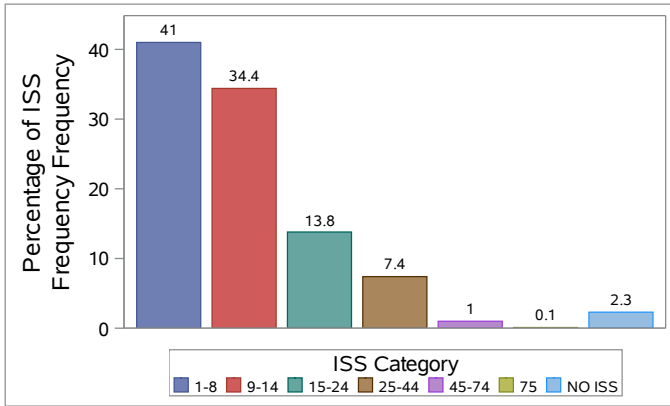Drugs or Alcohol Use: Only Alcohol, Both Drugs & Alcohol, Either Drugs or Alcohol
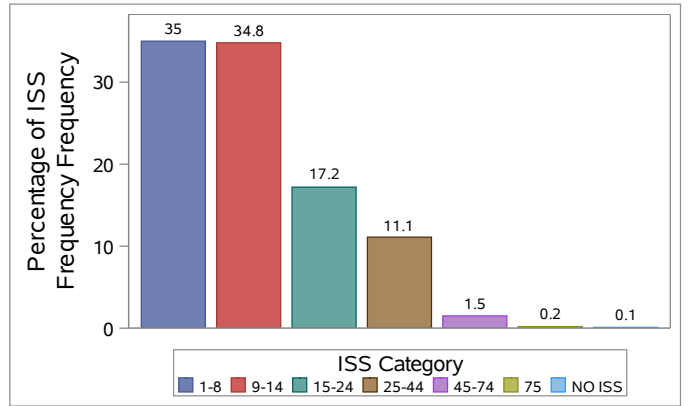
October 2020 Indiana Trauma Registry Report
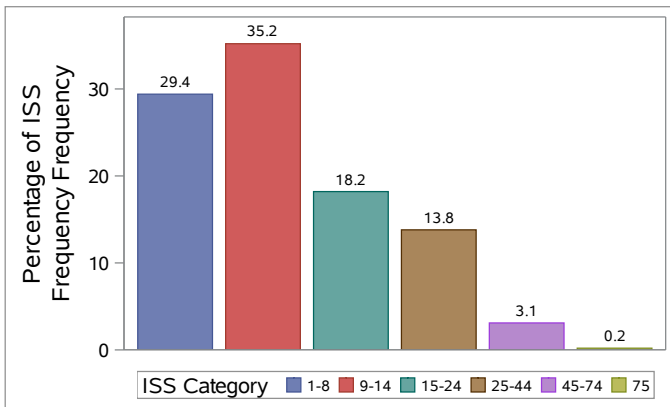## Motor Vehicle Collision by Injury Severity Score

2019

November 2019 - October 2020

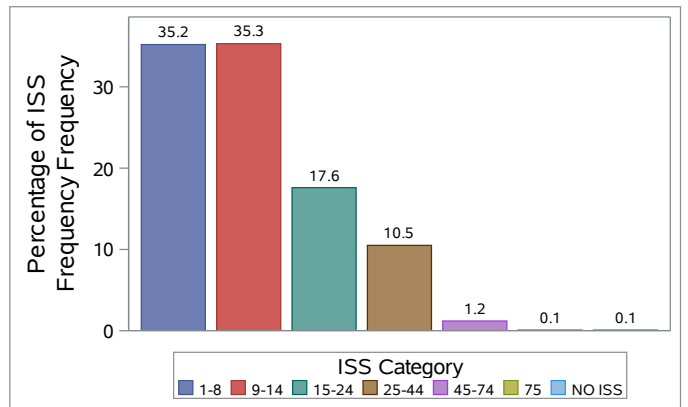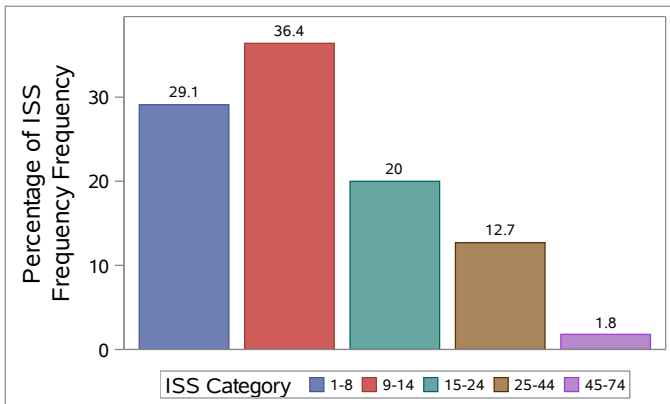## November 2019 - October 2020: MVC by Collision Type and ISS Score
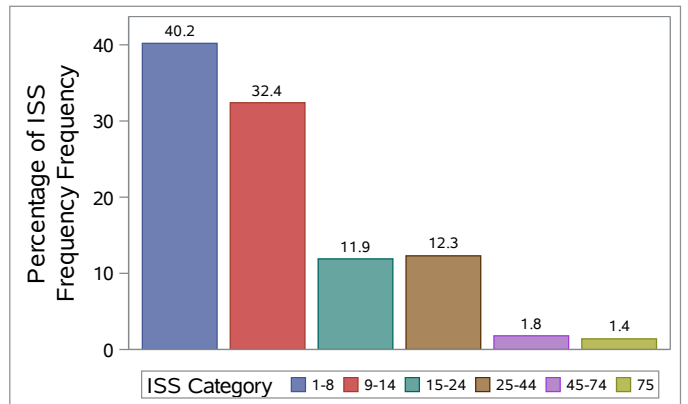
Motorcycle

Automobile
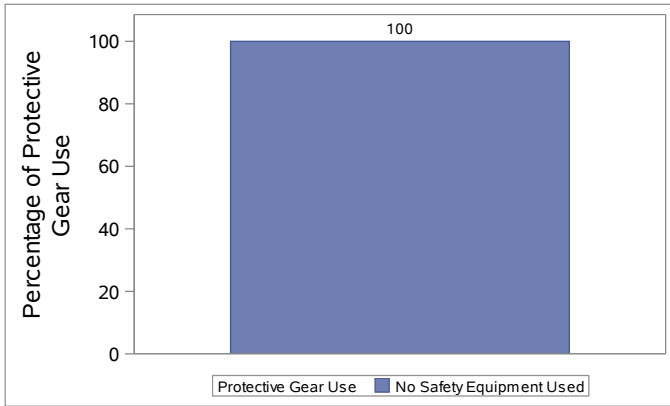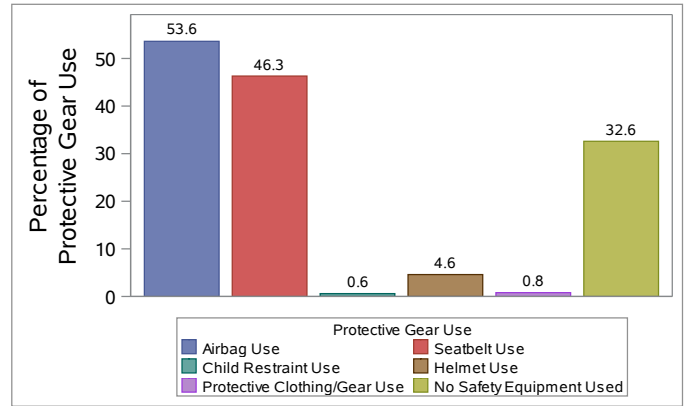

Bicyclist

Pedestrian

October 2020 Indiana Trauma Registry Report
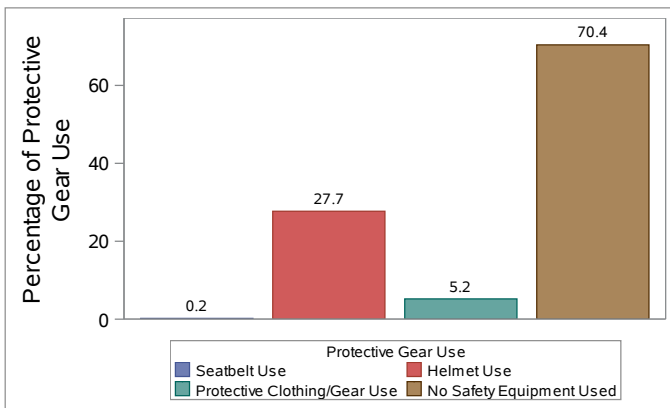## Motor Vehicle Collision by Protective Devices
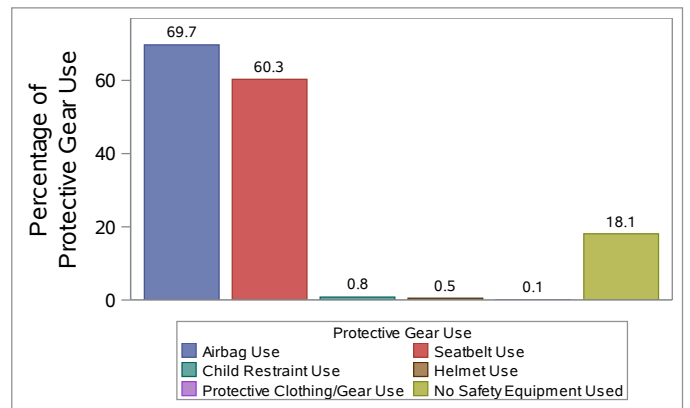
2019

November 2019 - October 2020

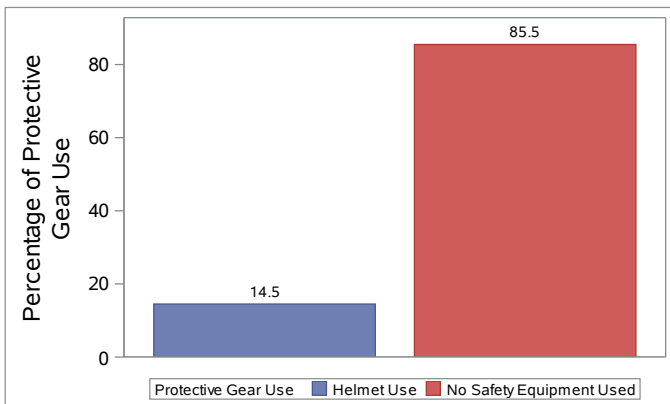## November 2019 - October 2020: MVC by Collision Type and Protective Gear Use

Motorcycle

Automobile

Bicyclist

Pedestrian