As an expansion to my role I have been training Indiana coroners on the Indiana Coroner Case Management System (INCCMS) while continuing to train hospitals on the Indiana Trauma Registry.-Ramzi

December 3rd Ramzi Nimry (Statewide Trauma System Development and Training Manager) trained Parke County on the Indiana Coroner Case Management System.

December 5th Ramzi Nimry (Statewide Trauma System Development and Training Manager) and Katie Hokanson attended the Stroke Consortium of Indiana at Community Hospital North in Indianapolis.

December 11th Ramzi Nimry (Statewide Trauma System Development and Training Manager), Camry Hess (Data Analyst) and Andzelika Rzucidlo (Injury Prevention Epidemiologist) attended the TRCC meeting at IGC-South.

December 12th Ramzi Nimry (Statewide Trauma System Development and Training Manager) attended and participated at the District 3 Trauma Regional Advisory Committee (TRAC) in Fort Wayne.

December 13th Ramzi Nimry (Statewide Trauma System Development and Training Manager), Camry Hess (Data Analyst), Trinh Dinh (Registry Coordinator) and Andzelika Rzucidlo (Injury Prevention Epidemiologist) attended and participated in the Trauma System Planning Subcommittee, Indiana State Trauma Care Committee and Indiana Trauma Network meeting.

December 17th Ramzi Nimry (Statewide Trauma System Development and Training Manager) trained Bartholomew County on the Indiana Coroner Case Management System.

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 86% complete.
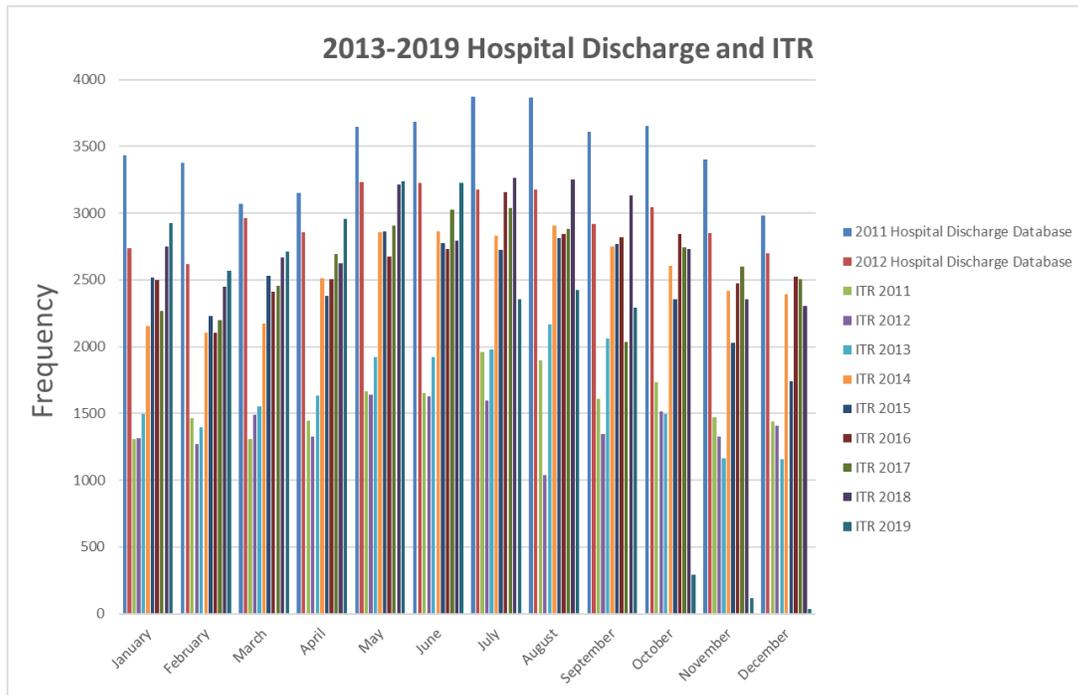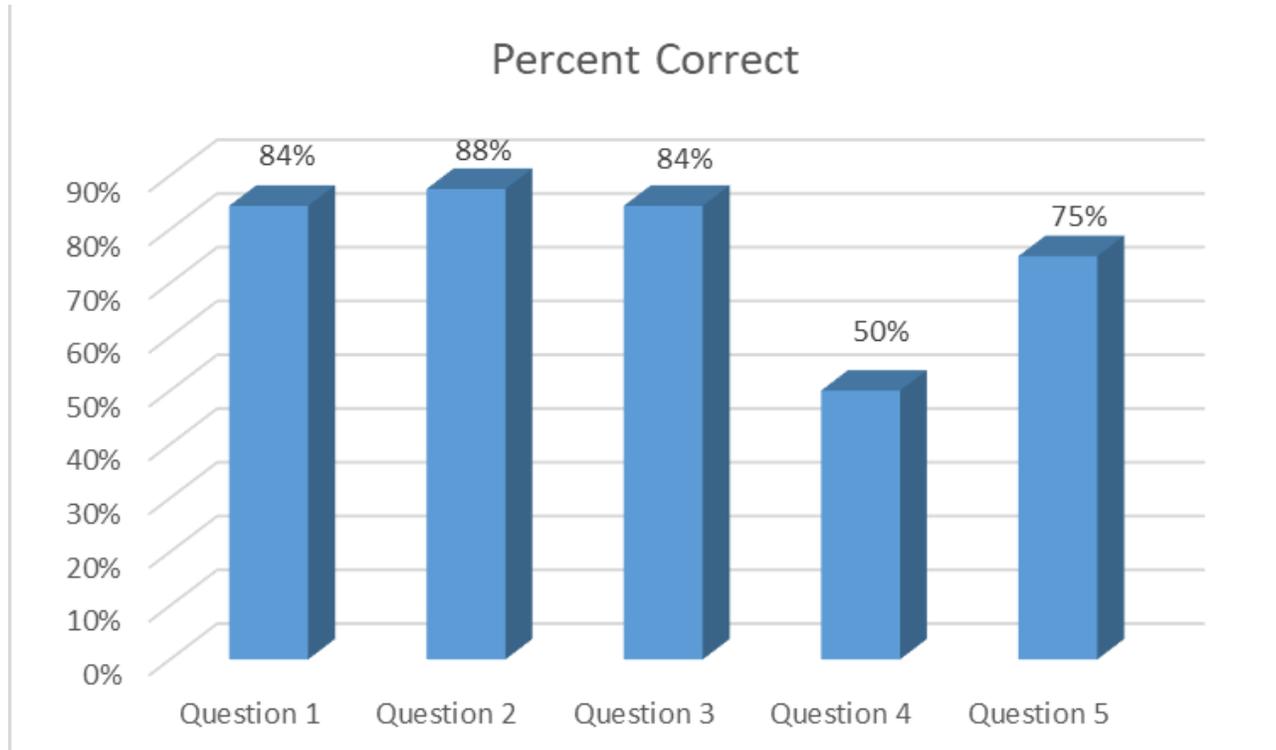

Timeliness increases as facilities wait until the data submission deadline to submit data to the ITR. Hospitals are asked to report data on the national trauma (TQIP) reporting schedule. The average timeliness in the past year was 102 days.
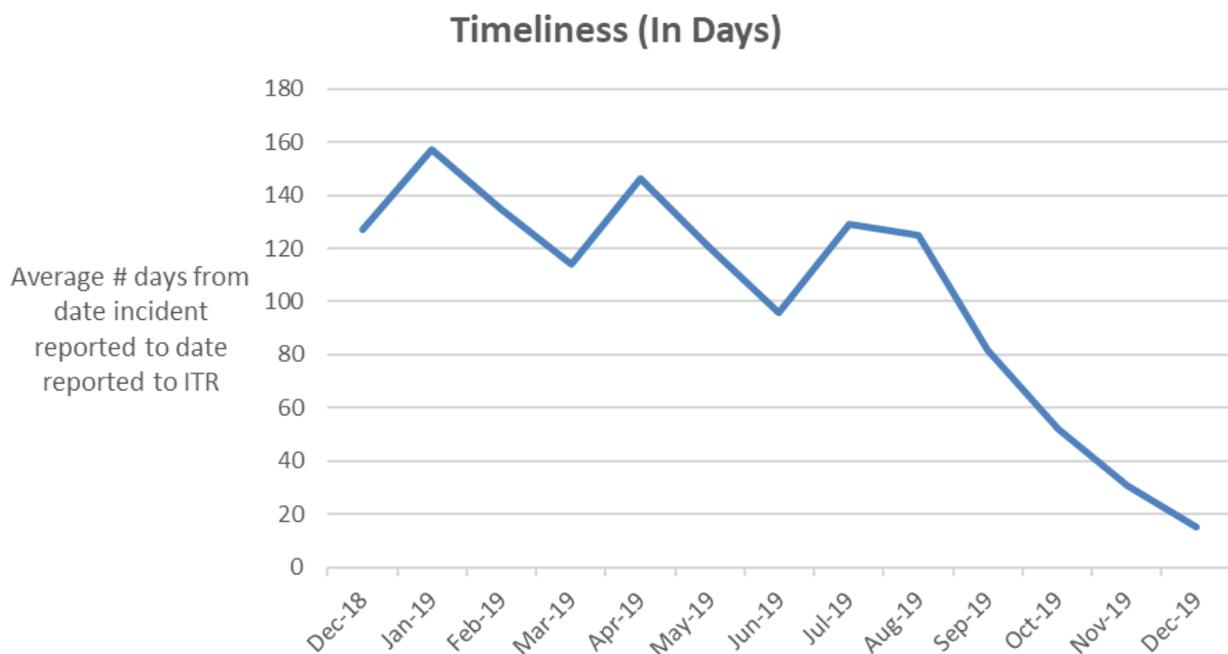
Uniformity

In December we sent out the sixty-third monthly quiz for the inter-rater reliability study. There were 32 participants from 19 (15% of hospitals with EDs in Indiana) hospitals who completed the quiz. The percent correct was 76% and the free-marginal kappa was 0.33.

Activities to improve the uniformity of data include trauma registrar training throughout the state and at the Indiana State Department of Health.

Percent Correct

Question	Percent Correct
Question 1	84%
Question 2	88%
Question 3	84%
Question 4	50%
Question 5	75%

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 one aggregate request (1 day on average) and one self-report (1 day on average) in December. There were no identifiable data requests.
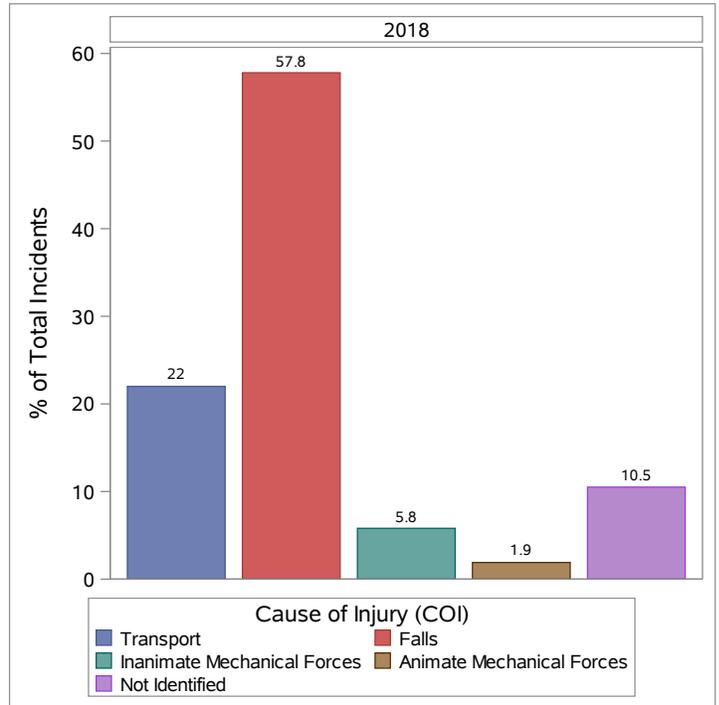
December 2019 Indiana Trauma Registry Report
Overall Cause of Injury (COI)
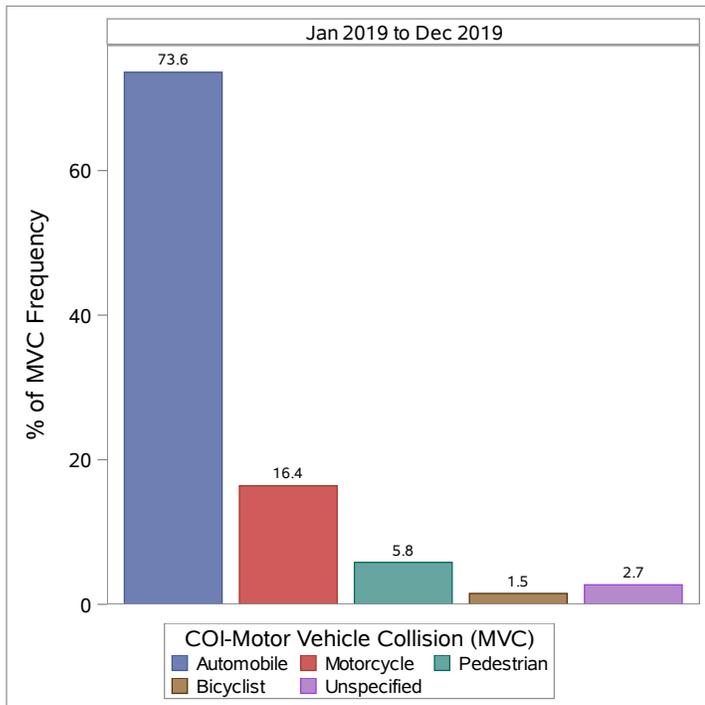
January 2019 - December 2019:   27132 Incidents   **2018:**   31956 Incidents
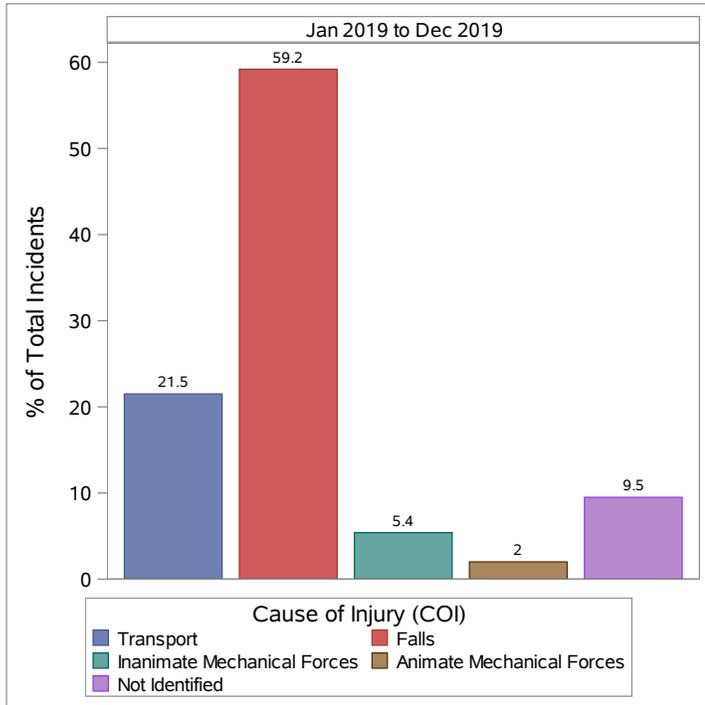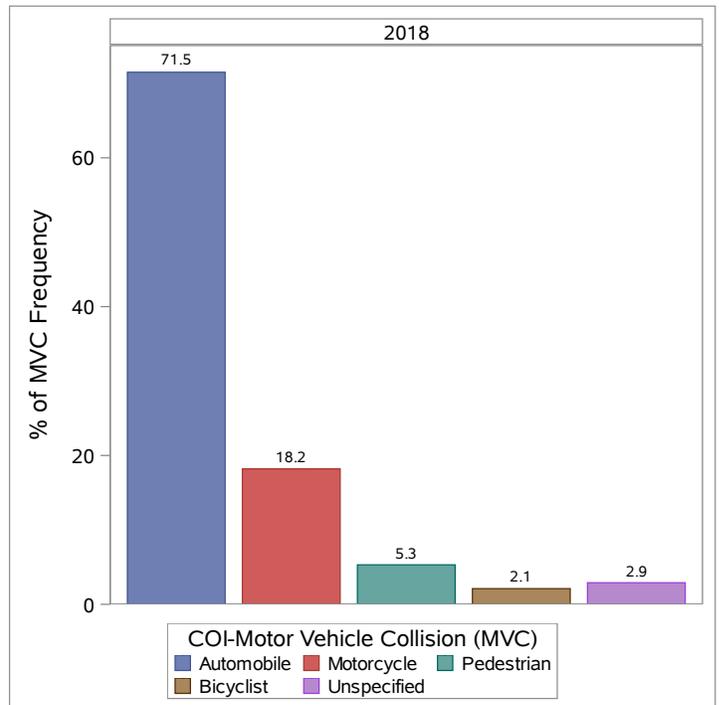

COI-Motor Vehicle Collision (MVC)

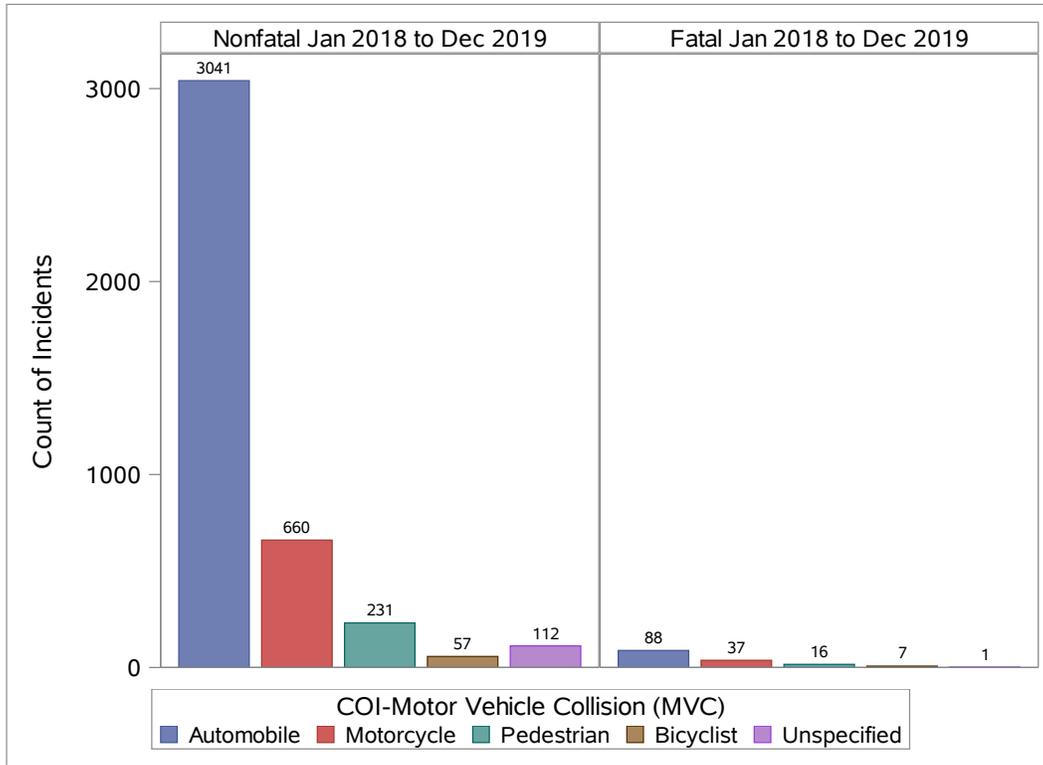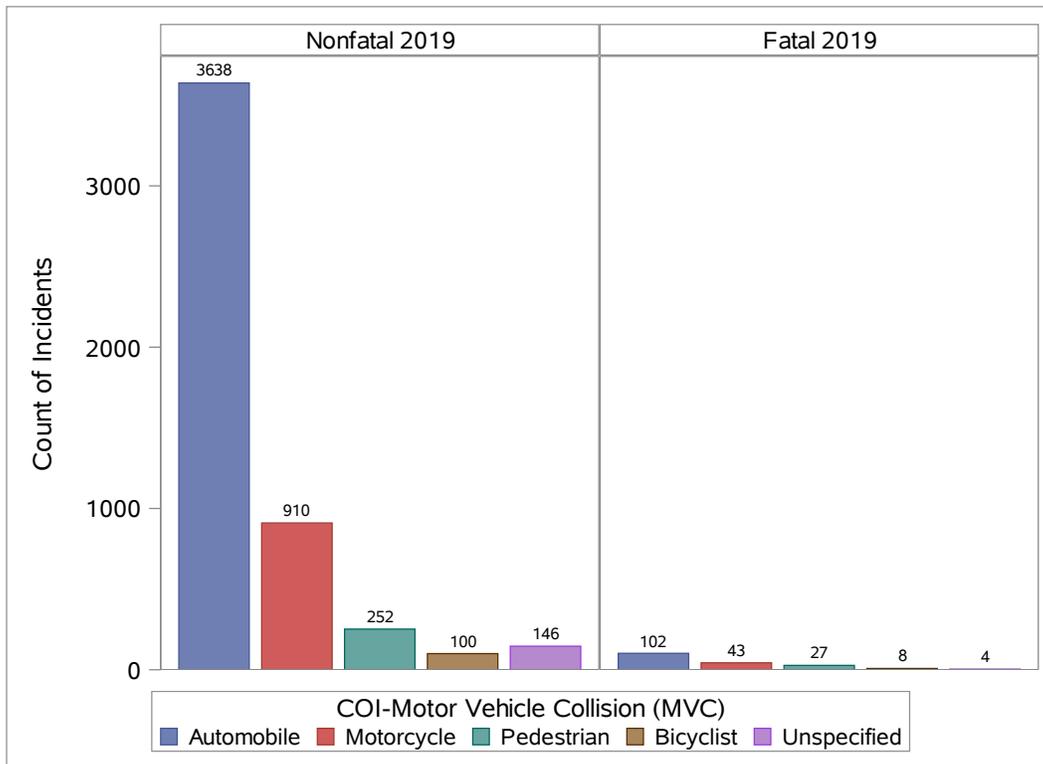**January 2019 - December 2019:**   4250 Incidents   **2018:**   5230 Incidents

December 2019 Indiana Trauma Registry Report

Motor Vehicle Collision: Nonfatal Incidents and Fatal Incidents
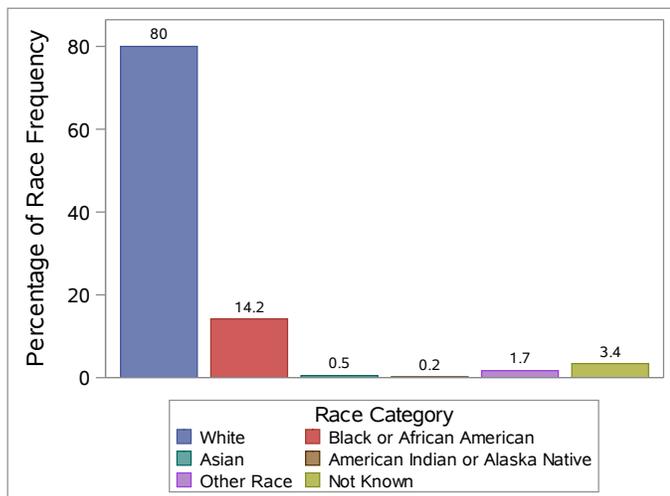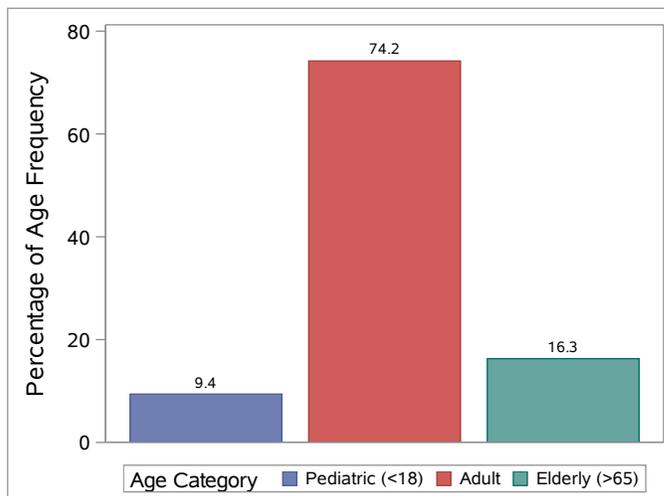
January 2019 - December 2019

2019

December 2019 Indiana Trauma Registry Report
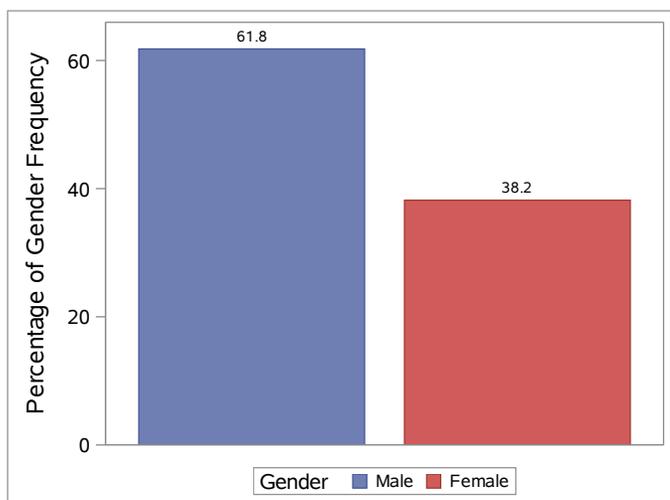## Overall Motor Vehicle Collisions (MVC) January 2019 - December 2019
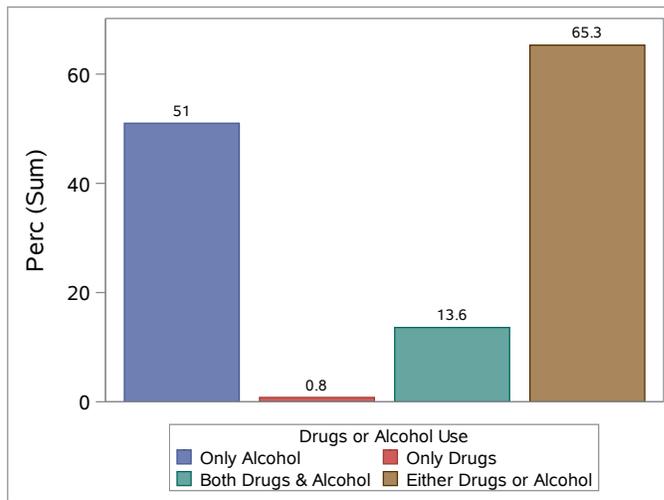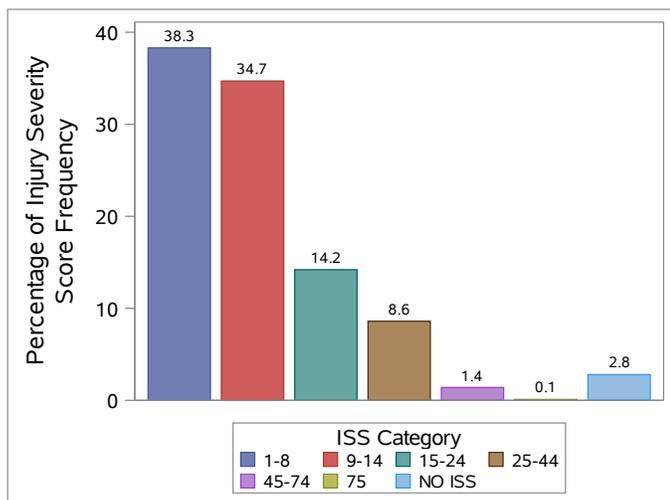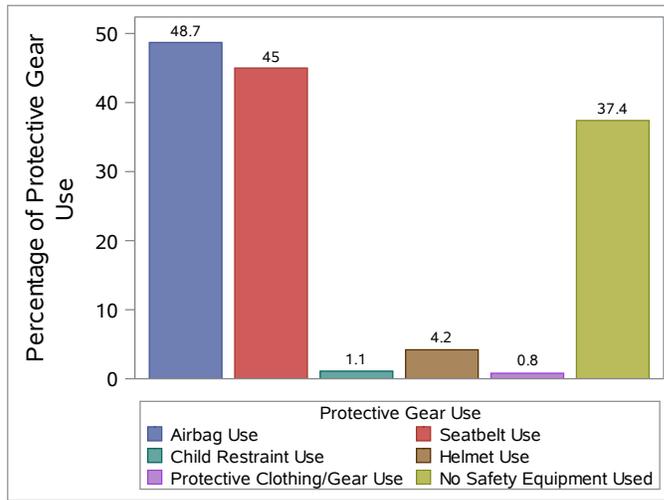
Race

Age

Gender

Drug & Alcohol Use

Injury Severity Score
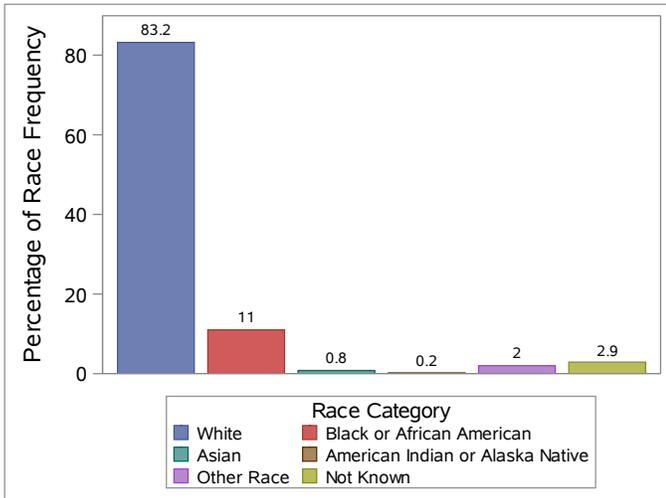

Protective Devices

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.
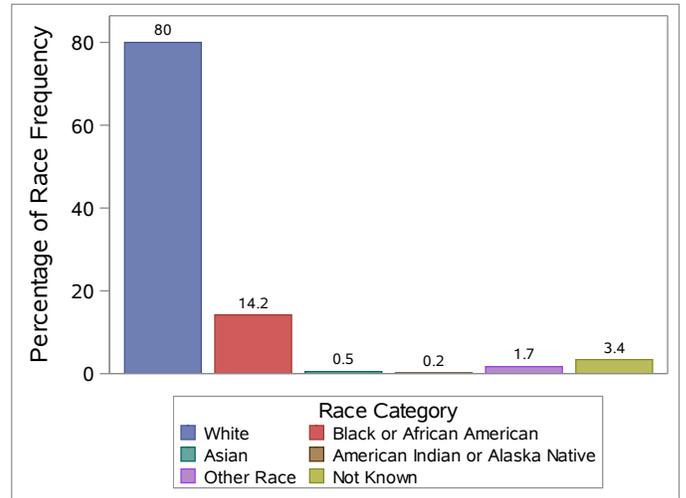
December 2019 Indiana Trauma Registry Report
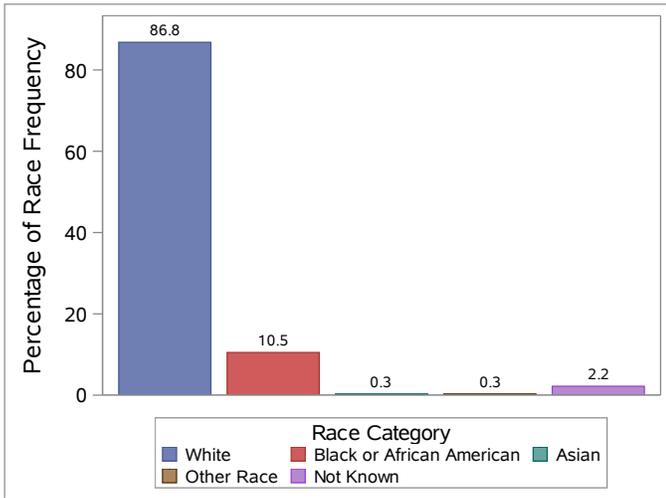## Motor Vehicle Collisions by Race

2019

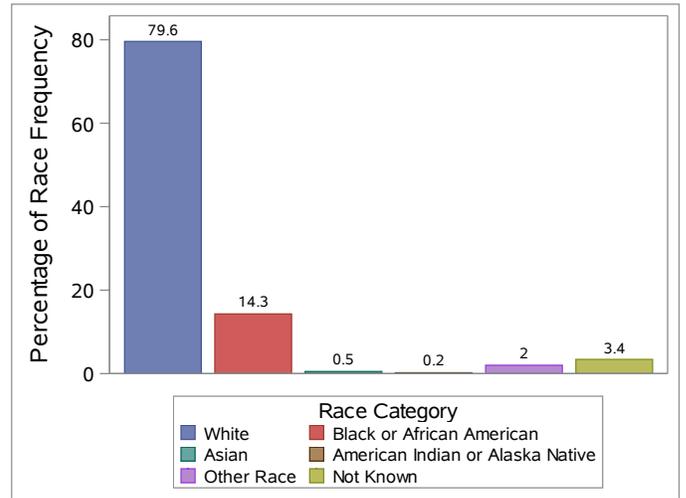Bar chart — Percentage of Race Frequency:
- White: 83.2
- Black or African American: 11
- Asian: 0.8
- American Indian or Alaska Native: 0.2
- Other Race: 2
- Not Known: 2.9

Race Category: White, Black or African American, Asian, American Indian or Alaska Native, Other Race, Not Known

January 2019 - December 2019

Bar chart — Percentage of Race Frequency:
- White: 80
- Black or African American: 14.2
- Asian: 0.5
- American Indian or Alaska Native: 0.2
- Other Race: 1.7
- Not Known: 3.4

Race Category: White, Black or African American, Asian, American Indian or Alaska Native, Other Race, Not Known

January 2019 - December 2019: MVC by Collision Type and Race

Motorcycle

Bar chart — Percentage of Race Frequency:
- White: 86.8
- Black or African American: 10.5
- Asian: 0.3
- Other Race: 0.3
- Not Known: 2.2

Race Category: White, Black or African American, Asian, Other Race, Not Known

Automobile

Bar chart — Percentage of Race Frequency:
- White: 79.6
- Black or African American: 14.3
- Asian: 0.5
- American Indian or Alaska Native: 0.2
- Other Race: 2
- Not Known: 3.4

Race Category: White, Black or African American, Asian, American Indian or Alaska Native, Other Race, Not Known

Bicyclist

Bar chart — Percentage of Race Frequency:
- White: 85.9
- Black or African American: 12.5
- Not Known: 1.6

Race Category: White, Black or African American, Not Known

Pedestrian

Bar chart — Percentage of Race Frequency:
- White: 63.6
- Black or African American: 27.1
- American Indian or Alaska Native: 0.4
- Other Race: 2.8
- Not Known: 6.1

Race Category: White, Black or African American, American Indian or Alaska Native, Other Race, Not Known

December 2019 Indiana Trauma Registry Report
Motor Vehicle Collision by Age Category

2019

Race

January 2019 - December 2019: MVC by Collision Type and Age Category
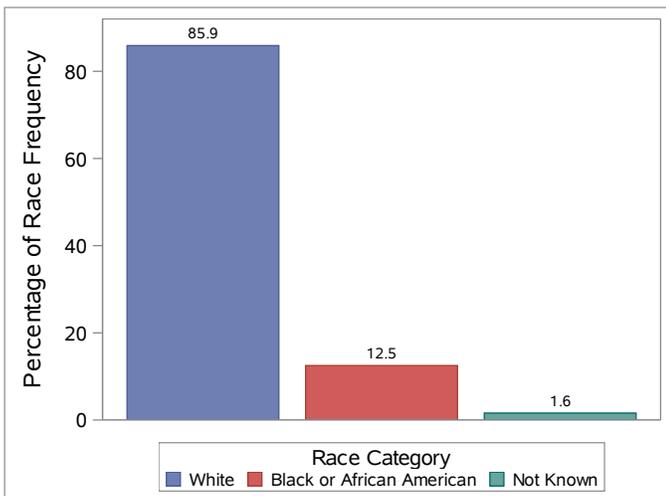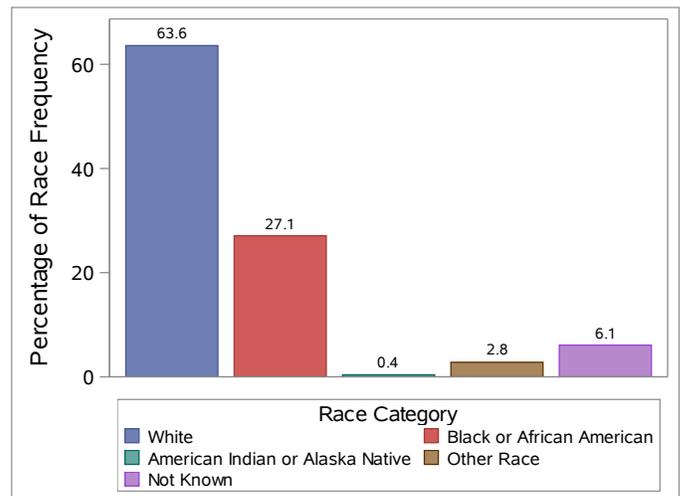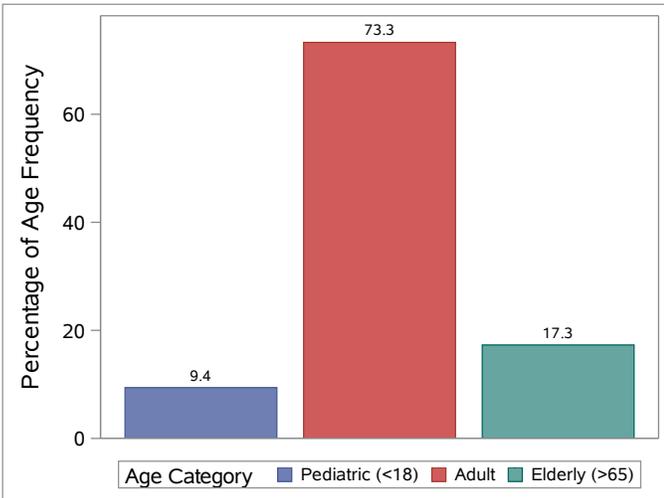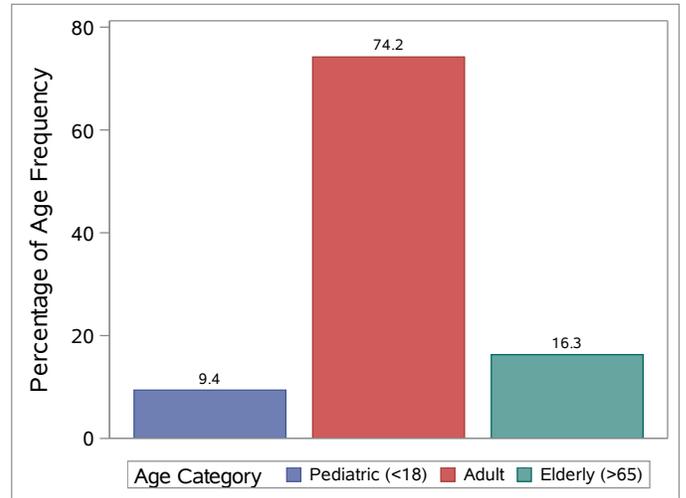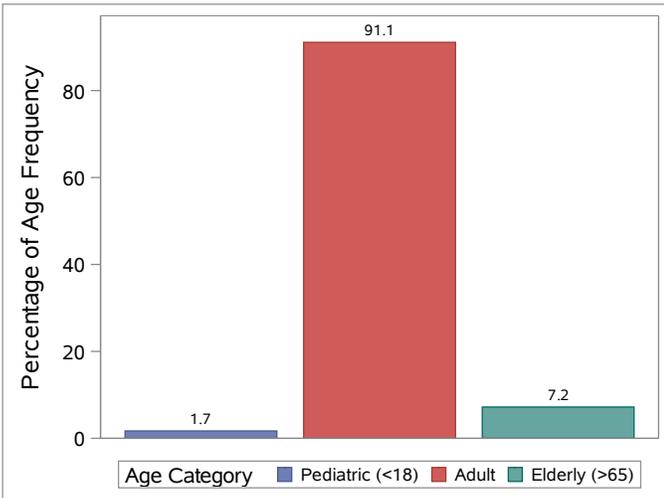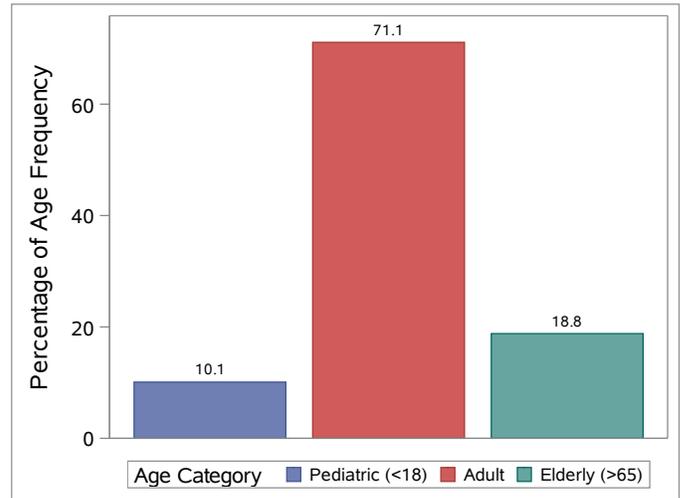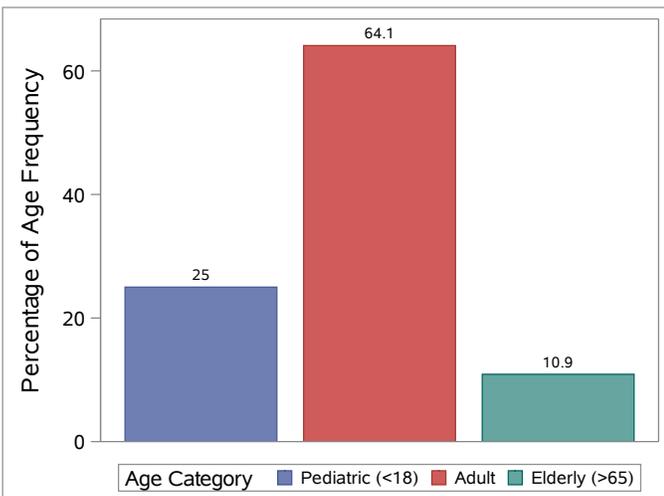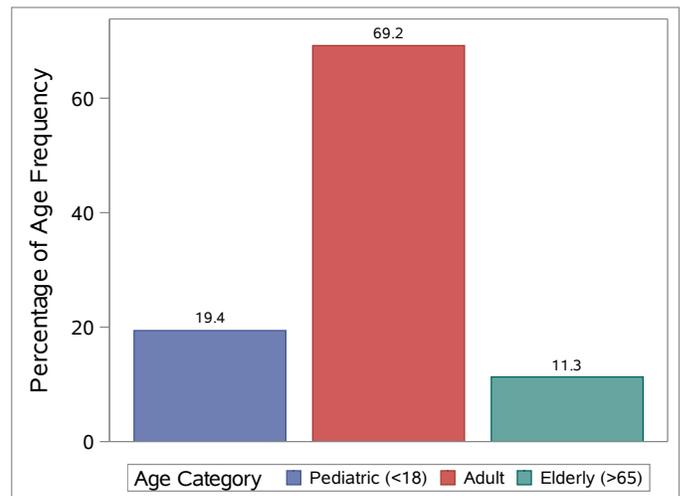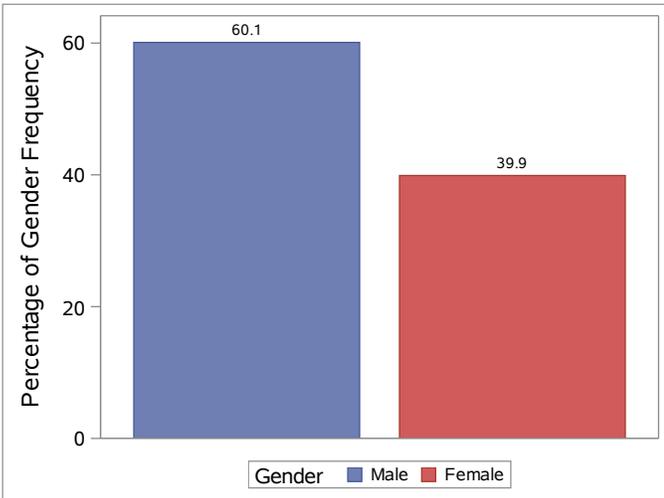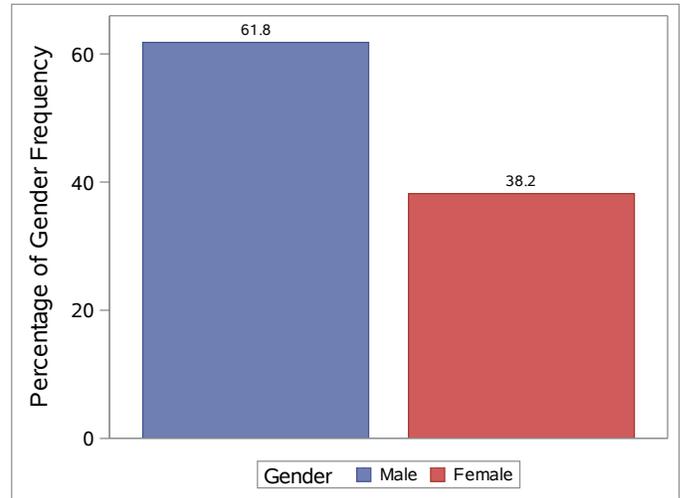
Motorcycle

Automobile

Bicyclist

Pedestrian

December 2019 Indiana Trauma Registry Report
Motor Vehicle Collision by Gender

2019

Percentage of Gender Frequency

Male: 60.1
Female: 39.9

Gender ■ Male ■ Female

Race

Percentage of Gender Frequency
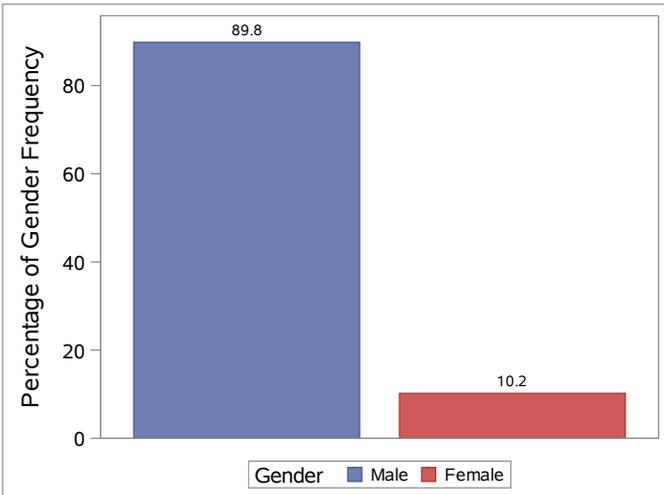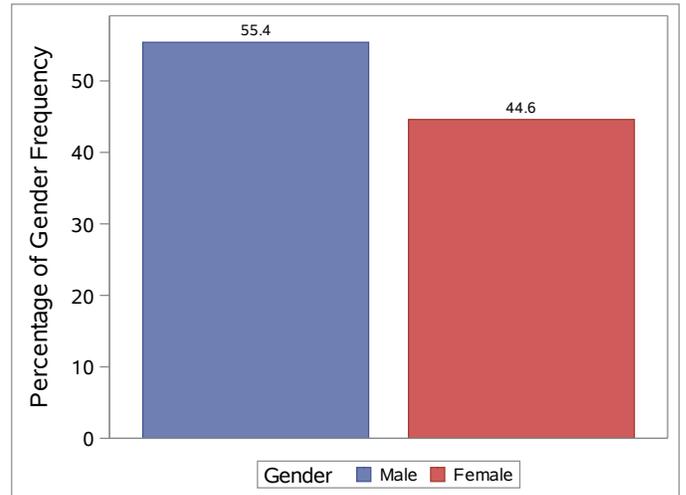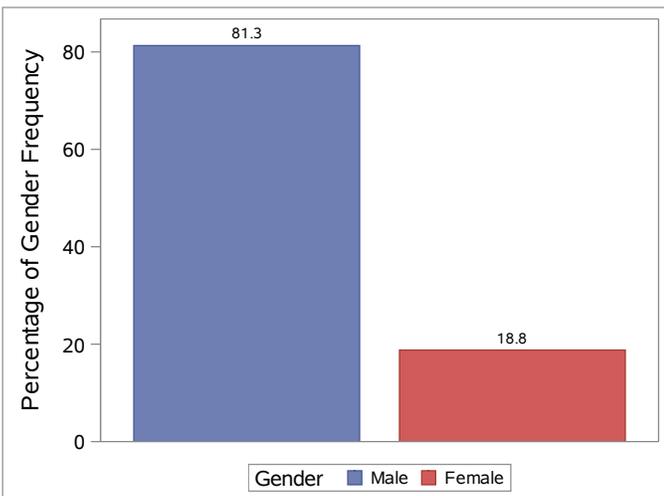
Male: 61.8
Female: 38.2

Gender ■ Male ■ Female

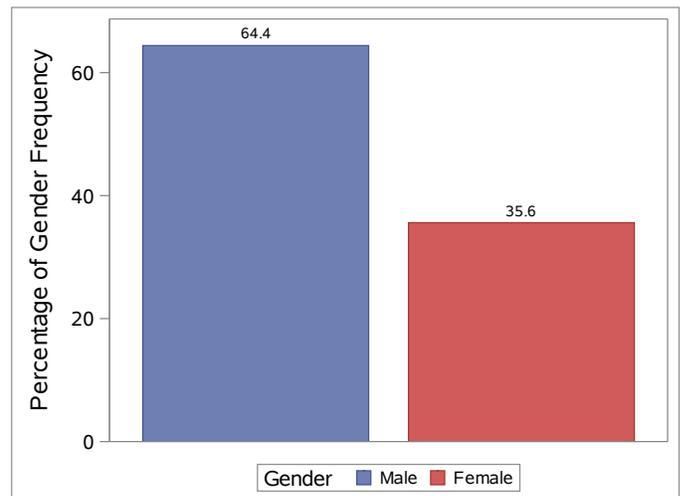## January 2019 - December 2019: MVC by Collision Type and Gender

Motorcycle

Percentage of Gender Frequency

Male: 89.8
Female: 10.2

Gender ■ Male ■ Female

Automobile

Percentage of Gender Frequency

Male: 55.4
Female: 44.6

Gender ■ Male ■ Female

Bicyclist

Percentage of Gender Frequency

Male: 81.3
Female: 18.8

Gender ■ Male ■ Female

Pedestrian

Percentage of Gender Frequency

Male: 64.4
Female: 35.6

Gender ■ Male ■ Female

December 2019 Indiana Trauma Registry Report
Motor Vehicle Collision by Drug & Alcohol Use

2019

Bar values: Only Alcohol 63.1, Only Drugs 0.3, Both Drugs & Alcohol 0.5, Either Drugs or Alcohol 64

January 2019 - December 2019

Bar values: Only Alcohol 51, Only Drugs 0.8, Both Drugs & Alcohol 13.6, Either Drugs or Alcohol 65.3
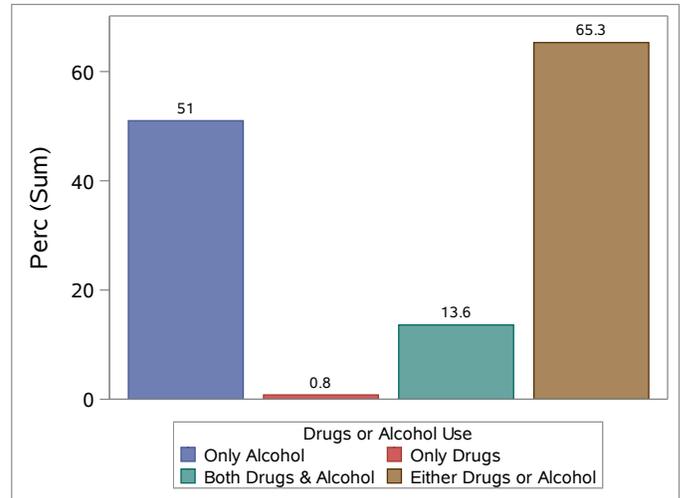
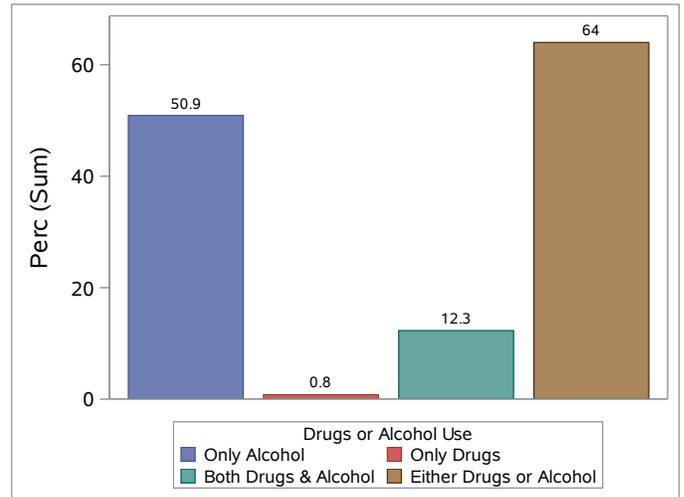## January 2019 - December 2019: MVC by Collision Type and Drug & Alcohol Use

Motorcycle
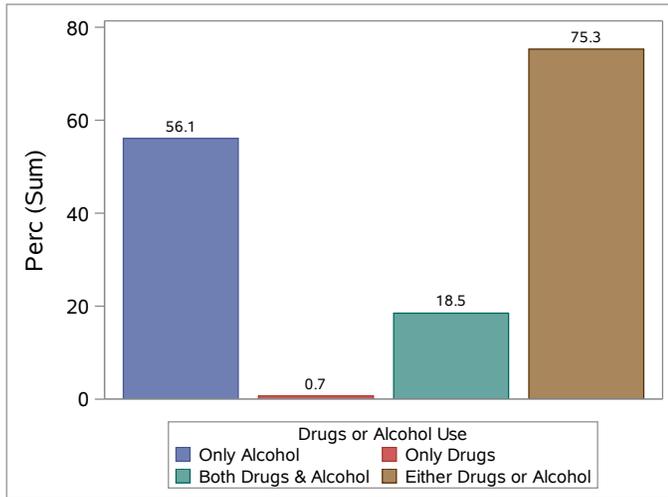
Bar values: Only Alcohol 56.1, Only Drugs 0.7, Both Drugs & Alcohol 18.5, Either Drugs or Alcohol 75.3

Automobile

Bar values: Only Alcohol 50.9, Only Drugs 0.8, Both Drugs & Alcohol 12.3, Either Drugs or Alcohol 64

Bicyclist

Bar values: Only Alcohol 46.9, Both Drugs & Alcohol 20.3, Either Drugs or Alcohol 67.2

Pedestrian

Bar values: Only Alcohol 50.6, Only Drugs 0.8, Both Drugs & Alcohol 16.6, Either Drugs or Alcohol 68
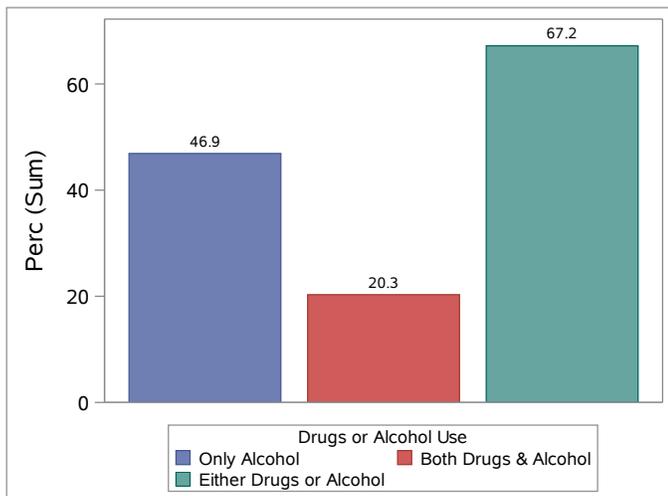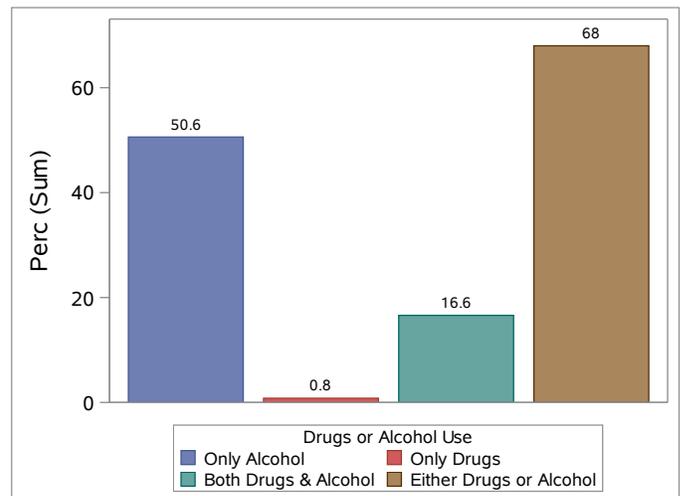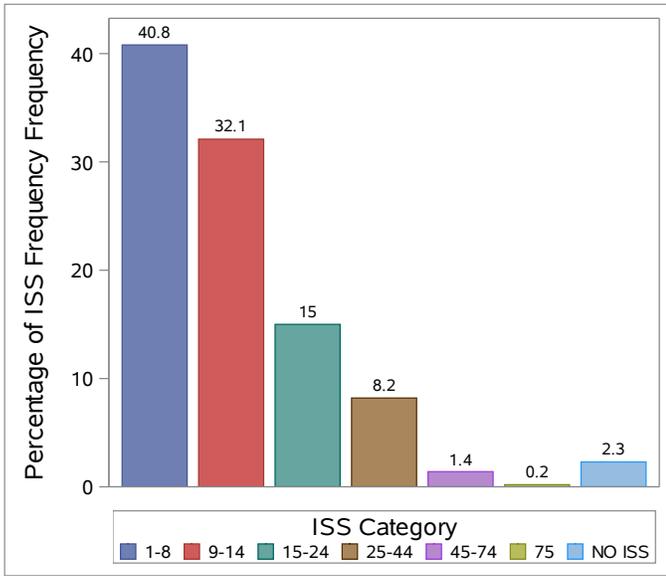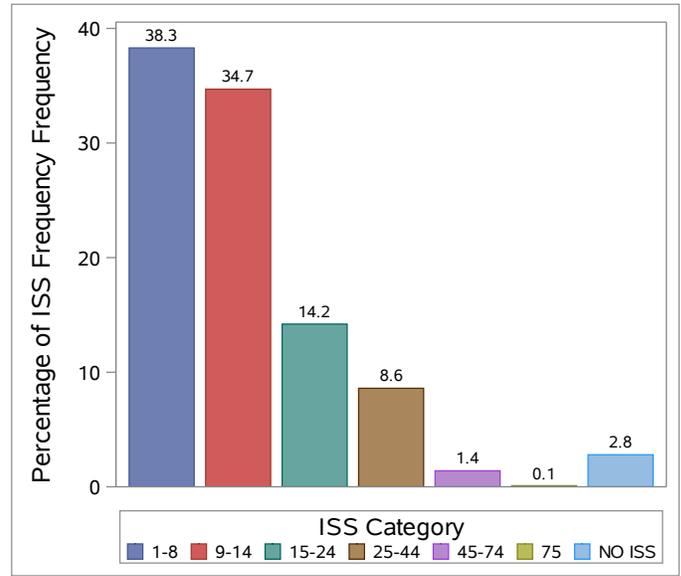
December 2019 Indiana Trauma Registry Report
Motor Vehicle Collision by Injury Severity Score

2018

Percentage of ISS Frequency Frequency / ISS Category

- 1-8: 40.8
- 9-14: 32.1
- 15-24: 15
- 25-44: 8.2
- 45-74: 1.4
- 75: 0.2
- NO ISS: 2.3

Legend: 1-8, 9-14, 15-24, 25-44, 45-74, 75, NO ISS

January 2019 - December 2019

Percentage of ISS Frequency Frequency / ISS Category

- 1-8: 38.3
- 9-14: 34.7
- 15-24: 14.2
- 25-44: 8.6
- 45-74: 1.4
- 75: 0.1
- NO ISS: 2.8

Legend: 1-8, 9-14, 15-24, 25-44, 45-74, 75, NO ISS

Motorcycle: Jan 2019 - Dec 2019

Percentage of ISS Frequency Frequency / ISS Category

- 1-8: 28.8
- 9-14: 38.7
- 15-24: 16.1
- 25-44: 12.1
- 45-74: 2.3
- NO ISS: 2

Legend: 1-8, 9-14, 15-24, 25-44, 45-74, NO ISS
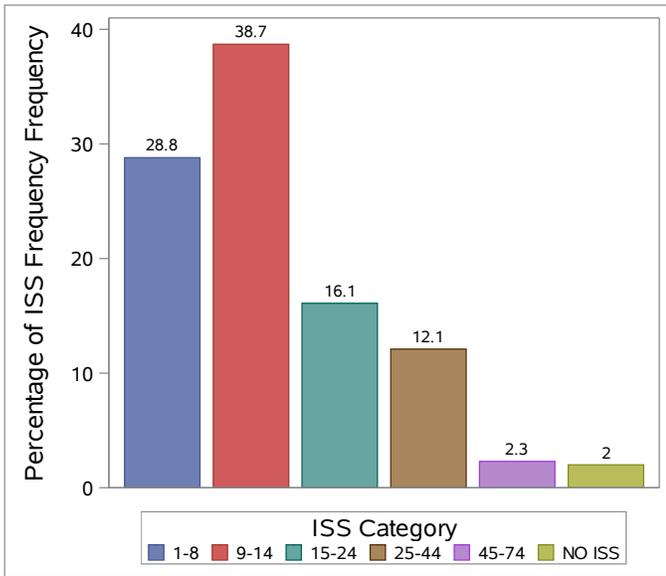
Automobile: Jan 2019 - Dec 2019

Percentage of ISS Frequency Frequency / ISS Category

- 1-8: 40.5
- 9-14: 33.9
- 15-24: 13.9
- 25-44: 7.7
- 45-74: 1.1
- 75: 0.1
- NO ISS: 2.8

Legend: 1-8, 9-14, 15-24, 25-44, 45-74, 75, NO ISS
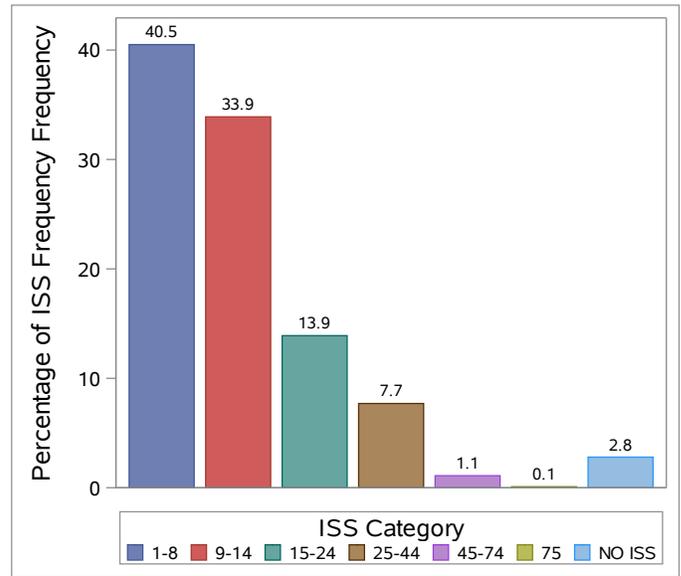
Bicyclist: Jan 2019 - Dec 2019

Percentage of ISS Frequency Frequency / ISS Category

- 1-8: 26.6
- 9-14: 40.6
- 15-24: 21.9
- 25-44: 6.3
- 45-74: 4.7

Legend: 1-8, 9-14, 15-24, 25-44, 45-74
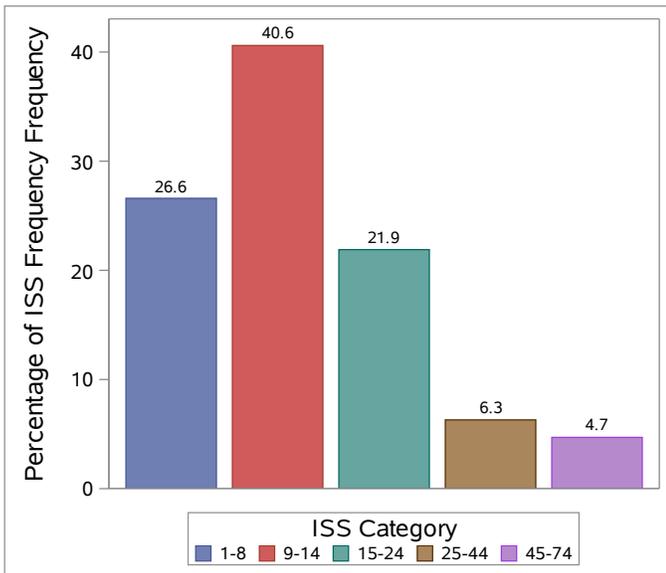
Pedestrian: Jan 2019 - Dec 2019

Percentage of ISS Frequency Frequency / ISS Category

- 1-8: 37.7
- 9-14: 33.2
- 15-24: 12.6
- 25-44: 13.4
- 45-74: 2.4
- NO ISS: 0.8

Legend: 1-8, 9-14, 15-24, 25-44, 45-74, NO ISS
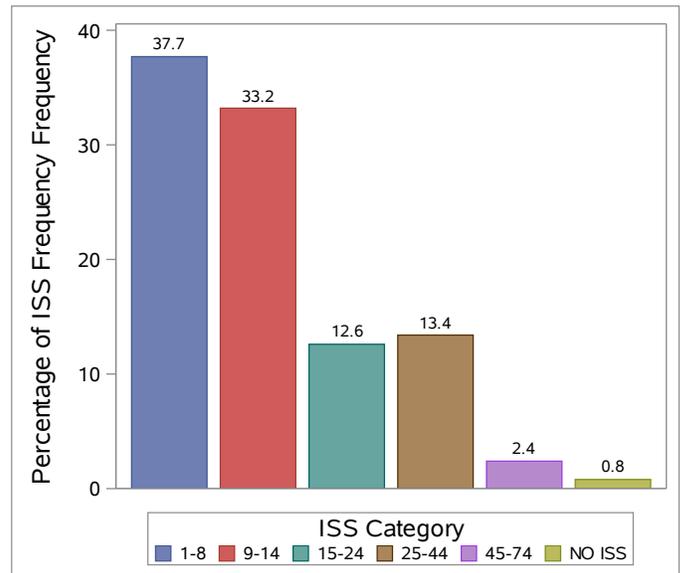
December 2019 Indiana Trauma Registry Report
Motor Vehicle Collision by Protective Devices

2019
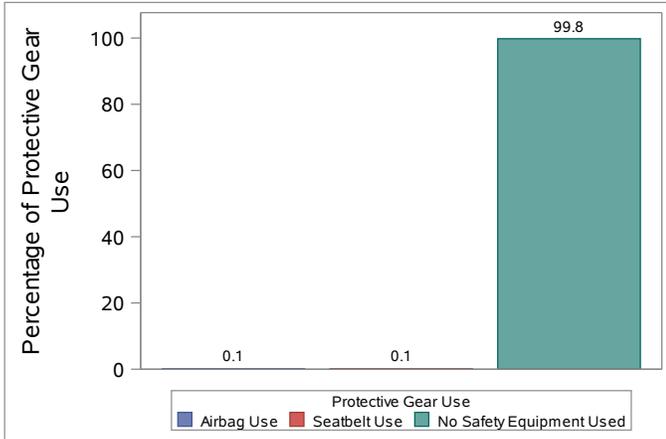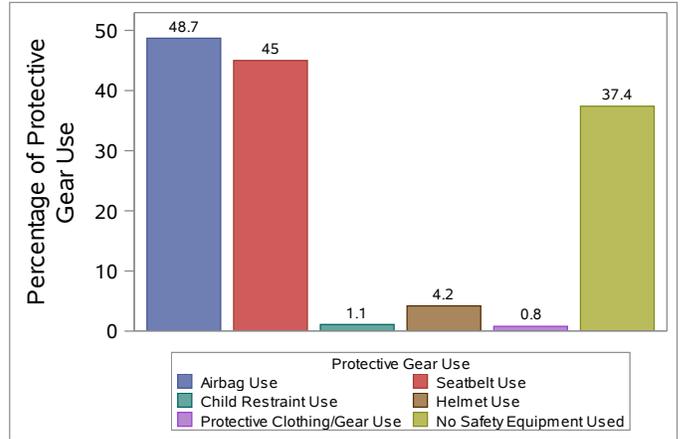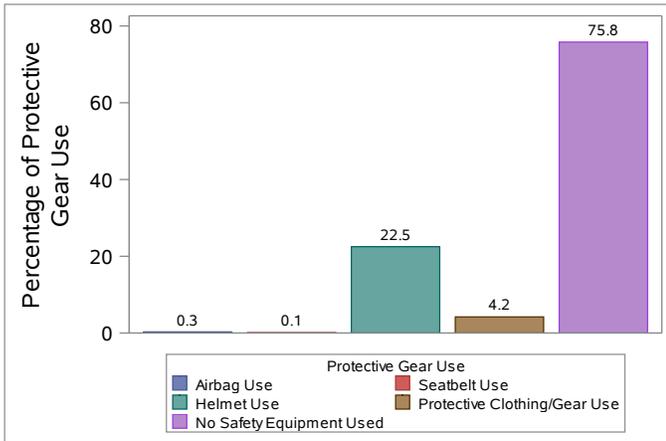
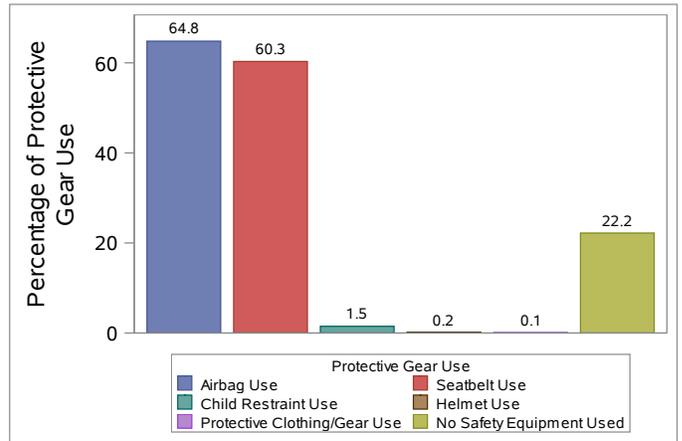**January 2019 - December 2019**

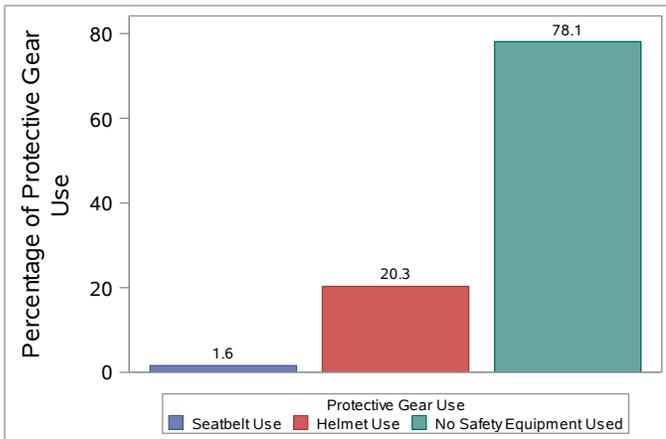**January 2019 - December 2019:** MVC by Collision Type and Protective Gear Use

Motorcycle

Automobile

Bicyclist

Pedestrian