2020 Arizona Trauma System Snapshot

Trauma Centers

- **Total Number of Trauma Centers in Arizona**: 47
  - 13 Level I Trauma Centers
  - 1 Level I Pediatric Trauma Center
  - 6 Level III Trauma Centers
  - 27 Level IV Trauma Centers

Trauma Incidents Reported

- **Number of Trauma Incidents Reported in Arizona State Trauma Registry**: 58,041
- **Number of Injury-Related Discharges in Hospital Discharge Database**: 473,446
- **Total Traumatic Deaths Reported in Database Application for Vital Events**: 3,952

Top 6 Mechanisms of Injury

1. **Fall**: 27,649 (47.63%)
2. **Motor Vehicle Trauma - Occupant**: 9,891 (17.04%)
3. **Struck By/Against**: 3,584 (6.17%)
4. **Motor Vehicle Non-Traffic**: 2,608 (4.49%)
5. **Cut/Pierce**: 2,127 (3.66%)
6. **Firearm**: 1,991 (3.43%)

Of the top 6 Mechanisms of Injury, Firearms had the highest mortality proportion, followed by Motor Vehicle Trauma - Occupant.

Risk and Protective Factors - Highlights

- Males had a mortality rate over two times higher than females.
- Adults 65 years and older had the highest trauma rate compared to all other age groups.
- 67% of MVT occupants were using a passenger restraint.
- 25% of trauma patients were suspected or confirmed of being under the influence of drugs or alcohol.
- 55% of motorcyclists, 41% of pedal-cyclists, and less than 1/3 of off-road vehicle occupants were wearing a helmet when involved in a trauma.

*The data included in this report includes incidents of traumatic injury with an Emergency Department Hospital Arrival Date between January 1, 2020 and December 31, 2020 reported from facilities participating in the Arizona State Trauma Registry (ASTR) only. Trauma injury and mortality reported in ASTR are compared to the Hospital Discharge Database (HDD) and Vital Statistics Information Management System’s Database Applications for Vital Events (DAVE) to demonstrate the total impact of trauma injuries and deaths that occurred outside of designated trauma centers.