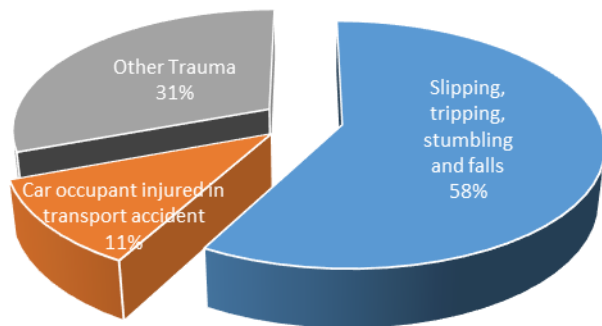


Michigan Trauma System 2017 Fact Sheet

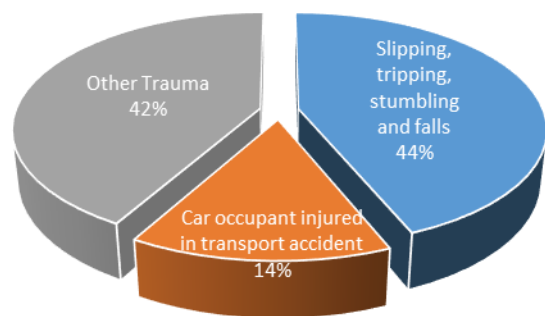
Background: Michigan is effectively engaged in building a regionalized, coordinated, and accountable system of emergency care to address time dependent emergencies, ensuring the right patient gets the right resources at the right time.

Impact:

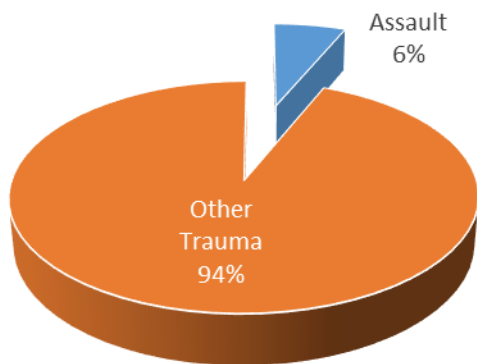
Top Causes of Traumatic Injuries



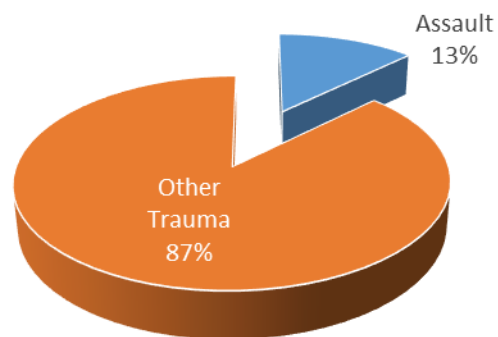
Top Causes of Injury Among Traumatic Deaths



Assaults 6% Among Injury Causes



Assault 13% Among Causes of Injury with Death



Source: Michigan Trauma Registry Incidents, July 2016 through June 2017. Cases meet NTDB inclusion criteria from facilities that are eligible for Michigan trauma designation. One injury may be represented by multiple incidents; one incident may be represented by multiple causes as coded in the Registry.

A 2016 study in the Journal of the American College of Surgeons¹ reported with the implementation of a trauma system in Arkansas total preventable mortality was reduced from 30% to 16% of cases; a reduction of 14%. It was estimated that this equates to an economic impact of lives saved of almost 186 million dollars annually.



¹Maxson T, Marby CD, Sutherland MJ, et al. "Does the Institution of a Statewide Trauma System Reduce Preventable Mortality and Yield a Positive Return on Investment for Taxpayers." *J Am Coll Surg*, 2017 Apr; 224(4):489-499.

MI Trauma System Accomplishments:

- Of the eligible acute care facilities in Michigan, 94% have obtained trauma designation status or are in process.
- National Highway Traffic Safety Administration “A Reassessment of Emergency Medical Service March 28-30, 2017” reported that “Michigan is obviously proud of its budding inclusive state trauma system. Even with the delay in appropriated funding until 2012, it has moved forward with focus and clarity to address the optimal care of injured patients thanks to the commitment of the Division of EMS and Trauma and dedicated trauma stakeholders.”
- Statewide Trauma System Administrative Rules were revised and adopted in May 2017.
- The 74 Michigan Trauma System Development Projects supported system development in injury prevention, trauma education, performance improvement, and trauma infrastructure. As a result, new injury prevention partnerships were formed, bike and water safety programs were implemented, a program that fits safety seats for special needs children was developed, and 43 education programs for trauma providers across the state were conducted.
- The Trauma System supported the national Stop the Bleed campaign by purchasing training kits available in each of the 8 trauma regions for educating and training the public. A recent training educated more than 400 high schoolers in bystander bleeding control.
- A joint Medical Control Authority and Trauma conference was held in October. The 400 participants heard about the Pulse Nightclub event and response, Opioids and Driving, Preparing for Mass Casualty, and other topics.

2018 Initiatives:

- Capitalize on the partnership with Michigan Trauma Quality Improvement (MTQIP) providing designated facilities with performance improvement information utilizing Risk Adjusted Benchmarking.
- Continue to support the data linkage pilot project with MTQIP to determine if patient data from EMS and trauma facilities can be linked to capture continuum of care information for trauma patients.
- Stroke and ST-elevation myocardial infarction (STEMI) workgroups will begin integrating these additional time-dependent events into a Systems of Care model.
- Michigan Trauma System Development Projects - Phase II will continue to support injury prevention, trauma education, performance improvement, and trauma infrastructure at eligible facilities.

For more information please visit: www.michigan.gov/traumasystem

