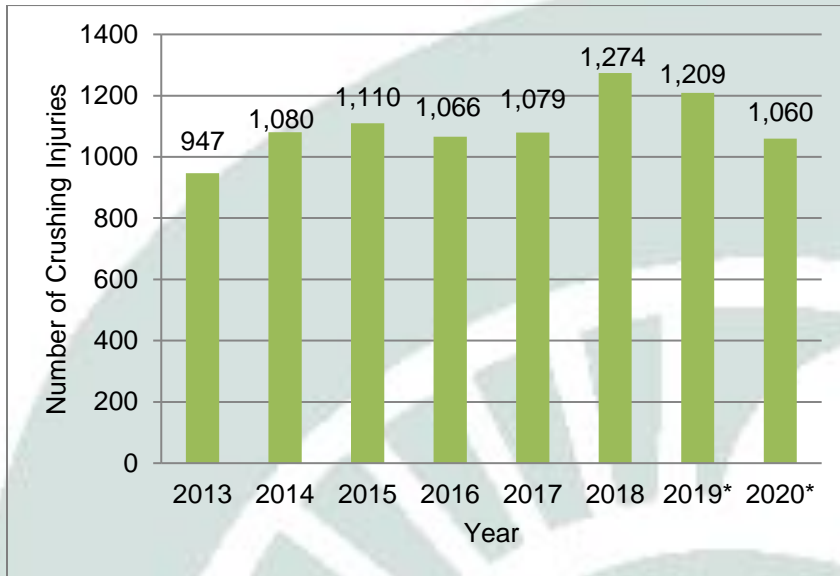


Tracking Work-Related Crushing Injuries in Michigan

www.oem.msu.edu

Summary Statistics



*2019 and 2020 preliminary data as of 2/3/2021

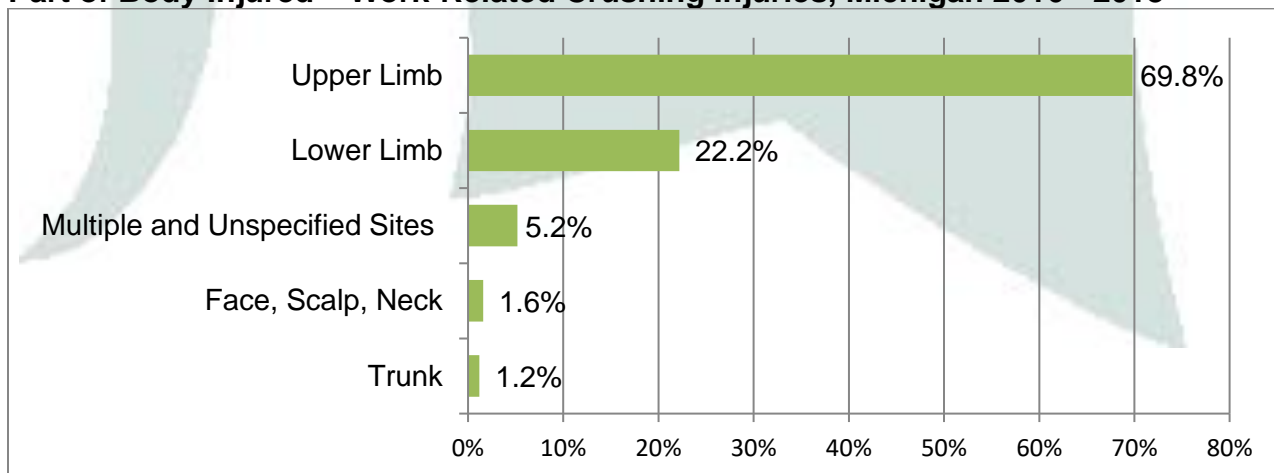


Lack of guards for pinch points is one of the causes of occupational crushing injuries

There were 3,419 work-related crushing injuries in Michigan between 2016 and 2018. Eighty percent of the crushing injuries were in male workers and 81.6% in Caucasians. The age of injured workers varied from 16-89 years of age; the average age was 37 and the median age was 36. Eighty (2.3%) injured workers were ≤ 18 years of age and 91 (8.1%) were of Hispanic ethnicity.

For the years 2016 through 2018, the Bureau of Labor Statistics, the official source of work-related crushing injuries, which is based on employer reporting, reported 1,030 work-related crushing injuries in Michigan, which was only 30% of the crushing injuries that occurred in Michigan.

Part of Body Injured – Work-Related Crushing Injuries, Michigan 2016 - 2018



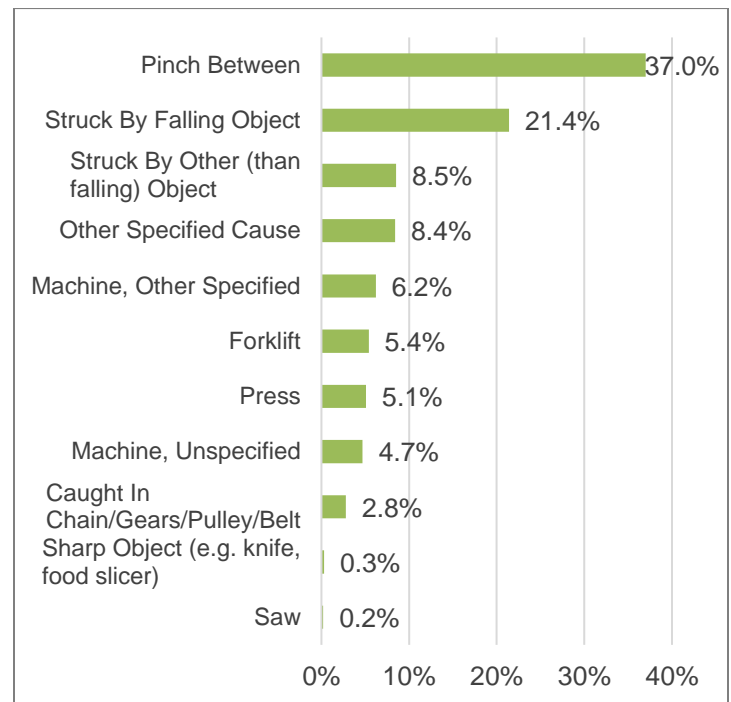
Background

In September 2010, Michigan Department of Health and Human Services promulgated rules requiring health professionals and health facilities to report individuals with traumatic injuries, including crushing injuries, regardless of cause when requested by the State or a local health department. Michigan's hospitals, Workers' Compensation Agency, and Michigan's Fatality Assessment Control and Evaluation program are the sources for occupational crushing injuries. The Occupational and Environmental Medicine Division at Michigan State University prepares periodic reports on work-related skull fractures, available at www.oem.msu.edu.

2016 - 2018 Results

- 3,419 work-related crushing injury incidents represent 3,414 individuals.
- Sixty-nine percent of crushing injuries were to upper limb.
- The Manufacturing NORA Sector had the highest percentage of work-related crushing injuries (35.6%), followed by Services (except Public Safety) (21.6%), and then Wholesale and Retail Trade (14.9%).
- The Mining (except Oil and Gas Services) had the highest rate of work-related crushing injuries (147.4 per 100,000).
- Three hundred and eighteen (9.4%) individuals were hospitalized, and 2,556 (75.0%) were treated in the Emergency Department.
- MIOSHA cited 45 of the 50 companies investigated.

Cause of Crushing Injuries, Michigan 2016-2018



*Cause of crushing injury was provided for 2,988 (87.4%) cases.

Work-Related Crushing Injuries Narratives

- A male in his 50s was hospitalized for nineteen days after a 1,500 lbs. steel press fell on him while setting up a die causing crushing injuries to his bilateral lower extremities, abdomen and head.
- A male in his 40s was hospitalized for two days after a bobcat run over his left foot causing crushing injuries to his left lower extremity.
- A female in her 20s sustained crushing injuries to multiple fingers after a cow stepped on her right hand.
- A female in her 20s was hospitalized for one day after her hand was pulled into a linen press causing crushing injuries to multiple fingers.
- A male in her 40s was hospitalized for eight days after his foot was run over by a forklift causing crushing injuries to the lower extremity.