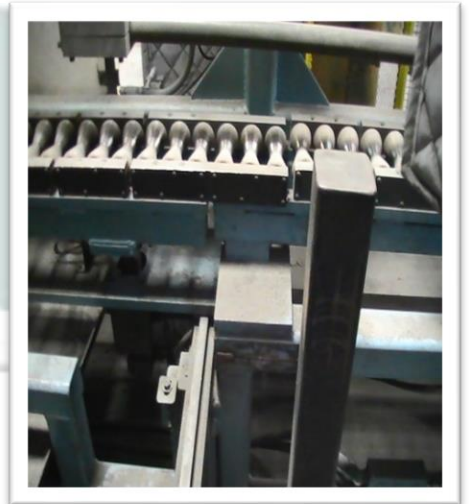


Tracking Work-Related Crushing Injuries in Michigan

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Summary Statistics



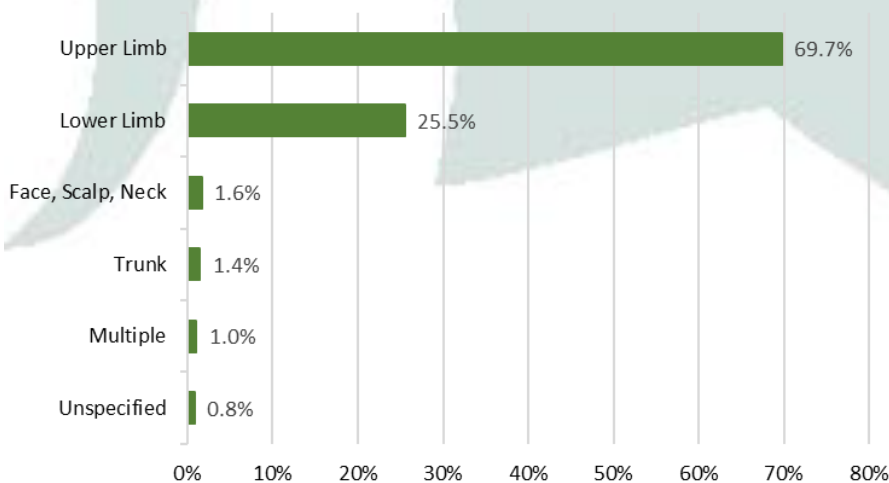
Lack of guards for pinch points is one of the causes of occupational crushing injuries

*2021 and 2022 preliminary data as of 1/27/2023

There were 2,244 work-related crushing injuries in Michigan between 2019 and 2020. Seventy-six percent of the crushing injuries were in male workers and 80.4% in Caucasians. The age of injured workers varied from 12 to 83 years of age; the average age was 38 and the median age was 36. Seventy-four (3.7%) injured workers were ≤ 18 years of age and 37 (6.4%) were of Hispanic ethnicity. In 2019, 96.7% of the quarterly reporting periods were reported by the Michigan hospitals and acute care facilities and 100% were reported in 2020.

For the years 2019 through 2020, the Bureau of Labor Statistics, the official source of work-related crushing injuries, which is based on employer reporting, reported 900 work-related crushing injuries in Michigan, which was only 39.4% of the crushing injuries that occurred in Michigan from 2019 to 2020.

Part of Body Injured – Work-Related Crushing Injuries, Michigan 2019–2020



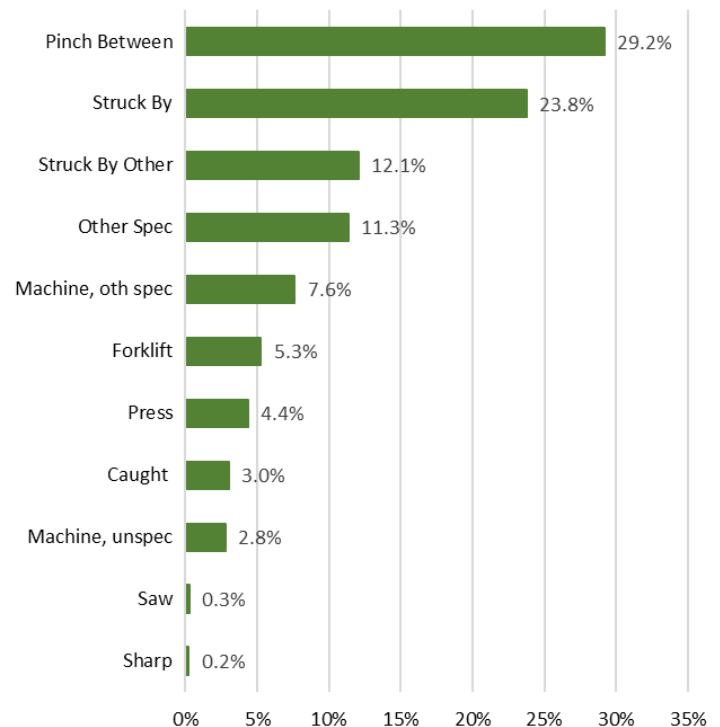
Background

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.

2019 – 2020 Results

- 2,244 work-related crushing injuries in 2,233 individuals.
- Seventy percent of crushing injuries were to the upper limb.
- The Manufacturing NORA Sector had the highest percentage of work-related crushing injuries (32.8%), followed by Services (except Public Safety) (20.7%), and then Wholesale and Retail Trade (16.1%).
- The Agriculture, Forestry, and Fishing (except Wildland Firefighting) industry had the highest rate of work-related crushing injuries (91.1 per 100,000).
- Two hundred and thirty-one (10.3%) individuals were hospitalized, 1,308 (58.4%) were treated in the Emergency Department, and 430 (19.2%) were treated as an outpatient at the hospital.
- MIOSHA cited 30 of the 38 companies investigated.

Cause of Crushing Injuries, Michigan 2019–2020



*Cause of crushing injury was provided for 1,746 (77.8%) of cases.

Work-Related Crushing Injuries Narratives

- A male in his 30s was hospitalized for twenty-nine days with crushing injuries to his pelvis after a hi-lo tipped over and landed on him.
- A male in his 40s was hospitalized for eight days with crushing injuries after a 1300-pound slab of granite slipped off the sling and fell onto him.
- A female in her 50s was hospitalized for four days with crushing injuries to her foot and ankle after a shelving unit fell on her.
- A female in her 40s sustained crushing injuries to her wrist and hand after a press machine turned on while she was clearing a jam.
- A male in his 30s was hospitalized for six days with crushing injuries when an electrical panel he was moving tipped, fell and pinned him on the floor.