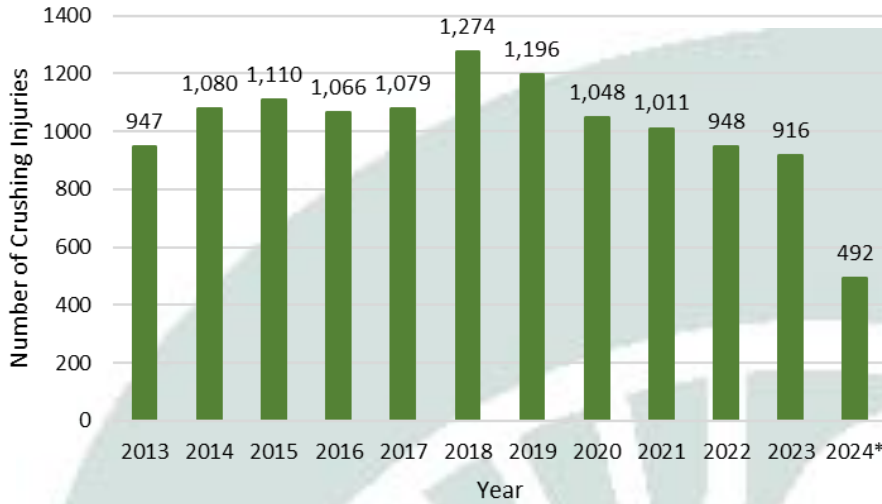


Tracking Work-Related Crushing Injuries in Michigan

www.oem.msu.edu

Summary Statistics



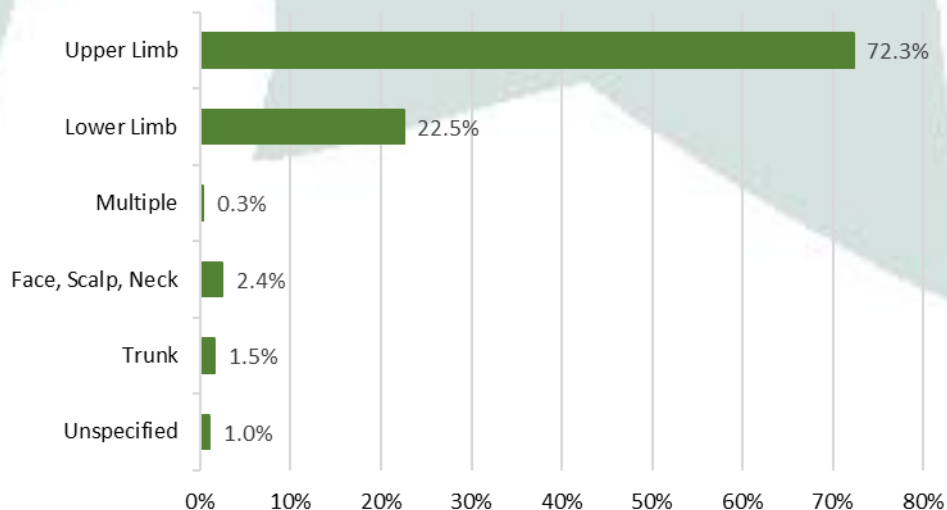
Forklifts are involved in various causes of occupational crushing injuries.

*2024 preliminary data as of 1/20/2025

There were 916 work-related crushing injuries including one fatality from a crushing injury in Michigan in 2023. Seventy-six percent of the crushing injuries were in male workers. The age of injured workers varied from 14 to 85 years of age; the average age was 38 and the median age was 34. Twenty-one (2.3%) injured workers were ≤ 18 years of age. Among workers with information on race and ethnicity, the rate of work-related crushing injuries was 30% higher for Black/African American versus White workers and 10% higher for Hispanic versus non-Hispanic workers. In 2023, 99.3% of the quarterly reporting periods were reported by the Michigan hospitals.

For the years 2021 through 2022, the Bureau of Labor Statistics (BLS), the official source of work-related crushing injuries, which is based on employer reporting, reported 680 work related crushing injuries in Michigan, which was only 34.7% of the crushing injuries that occurred in Michigan from 2021 to 2022.

Part of Body Injured – Work-Related Crushing Injuries, Michigan 2023



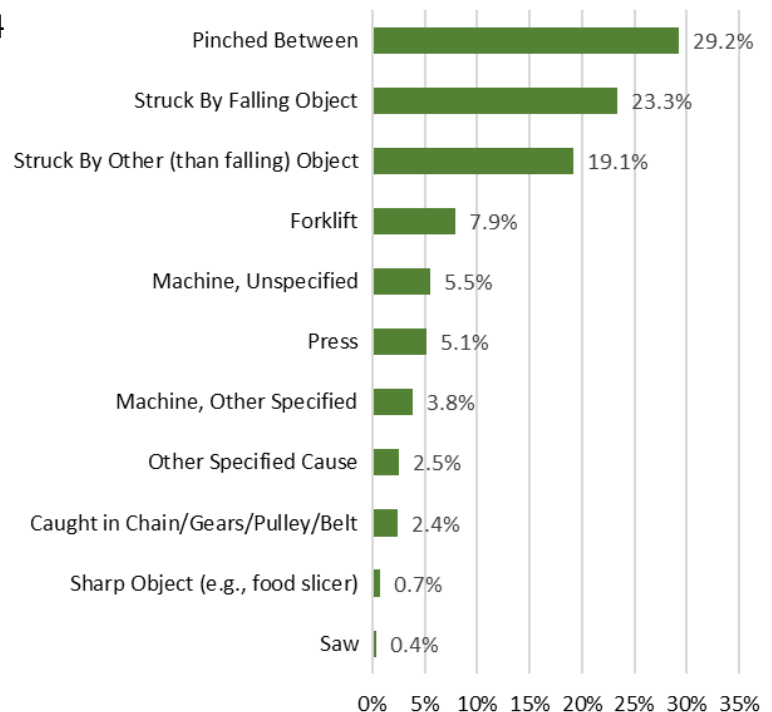
Background

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.

2023 Results

- 916 work-related crushing injuries in 914 individuals.
- Seventy-two percent of crushing injuries were to the upper limb.
- The Manufacturing NORA Sector had the highest percentage of work-related crushing injuries (45.5%), followed by Services (except Public Safety) (15.2%), and then Wholesale and Retail Trade (14.1%).
- The Agriculture, Forestry, and Fishing (except Wildland Firefighting) industry had the highest rate of work-related crushing injuries (45.5 per 100,000).
- Seventy-eight (8.5%) individuals were hospitalized and 825 (90.1%) were treated in the Emergency Department.
- MIOSHA cited 19 of the 23 companies investigated.

Cause of Crushing Injuries, Michigan 2023



*Cause of crushing injury was provided for 836 (91.3%) of cases.

Work-Related Crushing Injuries Narratives

- A female in her 40s was working in the agriculture industry when she sustained a crushing injury after her thumb was caught and crushed in a processing machine.
- A male in his 20s was hospitalized for five nights with crushing injuries to his head, abdomen, and lower leg after a wooden building frame fell on him while working in the construction industry.
- A male in his 50s was hospitalized for four nights with a crushing injury after being pinned under a machine that fell from a forklift while working in the manufacturing industry.
- A male in his 30s was hospitalized for five nights with a crushing injury to his lower leg after his leg was caught between a stump grinder and a trailer while working in the service industry.

- A male in his 40s sustained a crushing injury to his foot after a forklift ran over his foot while he was working in the manufacturing industry.

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