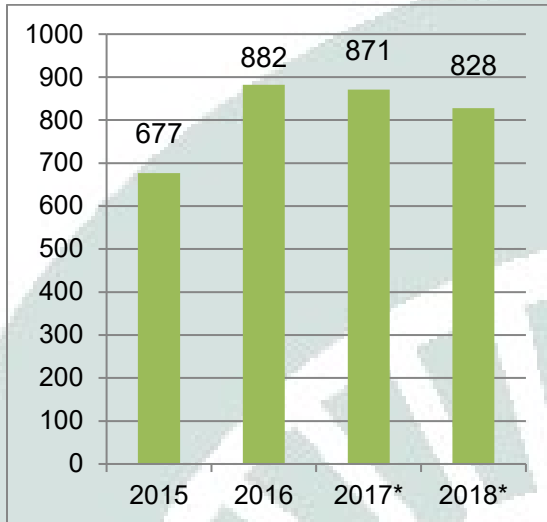


Tracking Work-Related Farm Injuries in Michigan

www.oem.msu.edu

Summary Statistics



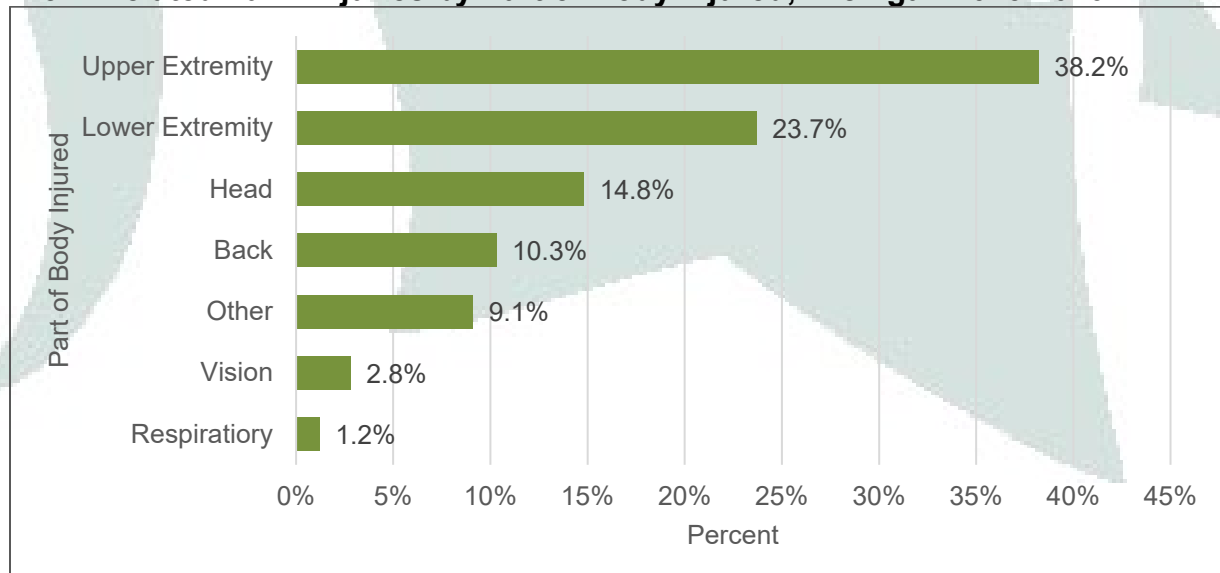
*2017 and 2018 preliminary data as of 1/14/2019



Injuries caused by cows are the leading source of work-related farm injuries in Michigan.

There were 1,559 work-related farm injuries in 1,525 individuals in Michigan in 2015 and 2016; thirty-four individuals had two separate agricultural injury incidents. There were an additional 49 agricultural fatalities. Most injuries were among men (74.2%) and Caucasians (89.5%). One hundred and eighty-one (41.2%) injured farm workers and operators were of Hispanic ethnicity where ethnicity was known and 66 (4.3%) were <16 years of age. The age of individuals varied from 4-86 years of age; the average age was 41.4 and the median age was 39.0.

Work-Related Farm Injuries by Part of Body Injured, Michigan 2015-2016



Background

Since January 1, 2015 Michigan's hospitals were required to report work-related farm injuries for all patients. The Occupational and Environmental Medicine Division at Michigan State University prepares periodic reports on work-related farm injuries, available at www.oem.msu.edu.

2015 - 2016 Results

- 14 children, ≤ 10 years old were injured while doing farm work activities.
- 1,347 (86.4%) individuals were treated in Michigan's hospitals or EDs for work-related farm injuries.
- 17 injured individuals were migrant workers.
- The most common part of the body injured were upper extremities in 595 individuals followed by lower extremities in 370.
- The most common injury source was "cow" (31.5%), followed by machine other than tractor (10.4%).
- 412 individuals sustained contusions, followed by 311 with fractures and 231 with lacerations.
- Dairy farms had the highest number of injuries (358), followed by livestock farms with 213 injuries.

Injury Source of Work-Related Farm Injuries, Michigan 2015-2016

Injury Source	Number	Percent
Cattle	472	31.5
Machine other than Tractor	156	10.4
Fall from Height	129	8.6
Fall at Ground Level	114	7.6
Livestock	102	6.8
Tractor	99	6.6
Horse	59	3.9
Tool	58	3.9
Chemical	11	0.7
Poultry	4	0.3
Other (i.e. gate, hay bale, nail, tree branch, barn door)	296	19.7
Total	1,500*	100.0

*Information on injury source was available for 1,500 (96.2%) cases.

Work-Related Farm Injury Narratives

- A 9-year-old girl, who was directing a cow into a pen, had her head stepped on by the cow after she fell down. She lost consciousness and was hospitalized for two days with a closed head injury
- A 68-year-old male sustained multiple traumatic crush injuries and rib fractures after being run over by a tractor.
- A 26-year-old male sustained a traumatic above-the-knee amputation of his right lower leg after it was caught in an auger.
- A 21-year-old female sustained a concussion after a fall from a ladder while picking apples.
- A 55-year-old male was hospitalized for three days with multiple rib fractures after being hit by a cow and pinned against a wooden fence.
- A 4-year-old boy sustained a forehead laceration after being struck by a large angle iron that was leaning against a barn door and fell.