

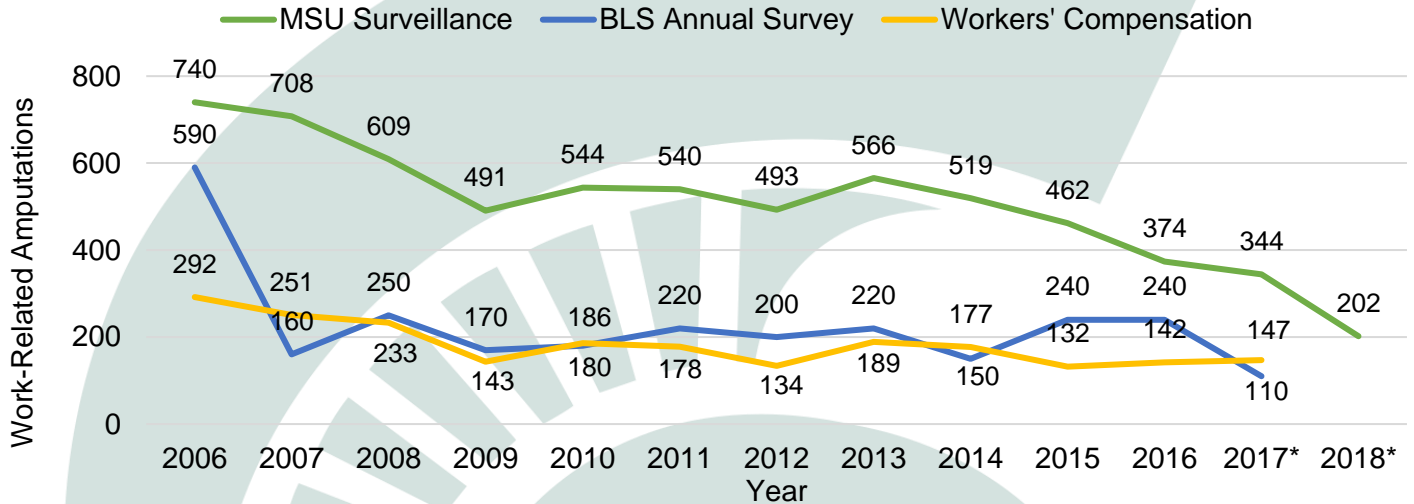
# Tracking Work-Related Amputations in Michigan

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## Summary Statistics

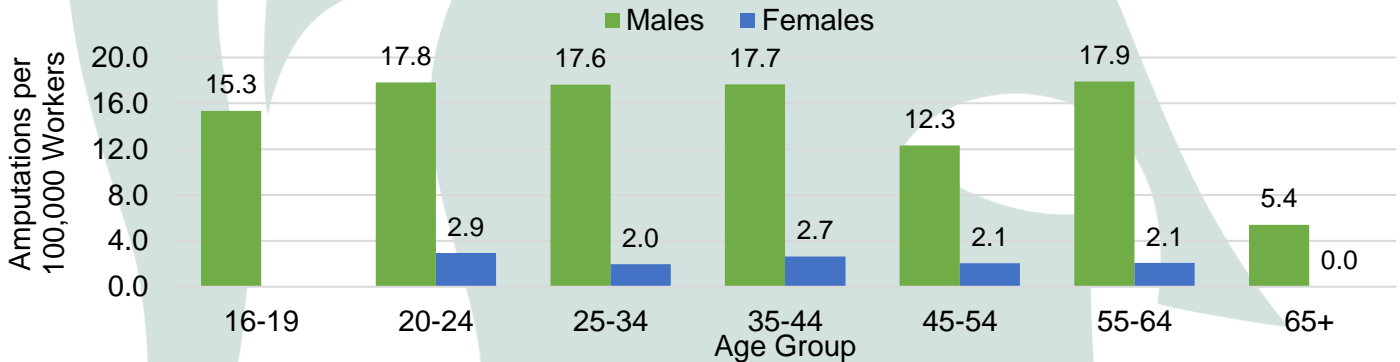
The MSU work-related amputation surveillance system identifies many more cases each year than other traditional sources, as illustrated in the figure below.

### Work-Related Amputations by Source, Michigan 2006-2016



\*2017 and 2018 MSU Surveillance data are preliminary as of 1/22/19. BLS 2018 Annual Survey and 2018 Workers' Compensation data are not available currently.

### Work-Related Amputation Rate by Gender and Age Group, Michigan 2016



Among all age groups, amputation rates are much higher for male workers than female workers. Males aged 55 to 64 years were at the highest risk of a work-related amputation.

### Work-Related Amputation Rate by Body Part and Severity, Michigan 2016

The majority (92.8%) of work-related amputations involved a finger or fingers. Most finger amputations (72.8%) involve only the distal phalanx. The sections that are most frequently amputated are illustrated in the diagram to the right.

Little finger distal phalanx	6.0%
Ring finger distal phalanx	11.1%
Middle finger distal phalanx	19.3%
Index finger distal phalanx	22.9%
Thumb distal phalanx	13.5%



## Background

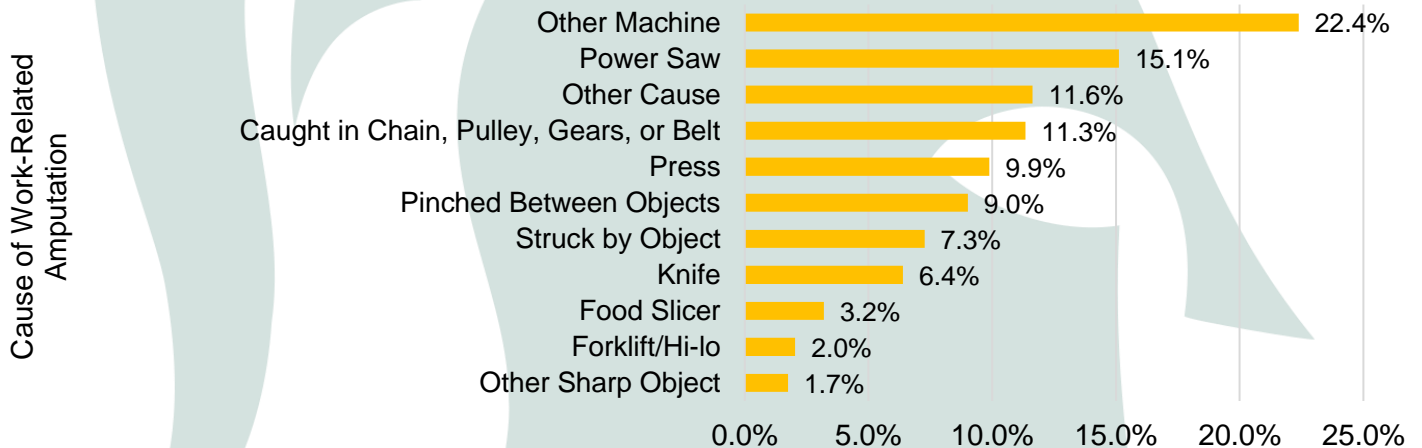
In 2004, staff in the Occupational and Environmental Medicine Division within Michigan State University's College of Human Medicine began reviewing hospital records to identify patients treated for work-related amputations and referring cases meeting designated criteria to MIOSHA. MIOSHA referrals were tracked through 2005. Beginning with 2006 data, a system to track all work-related amputations treated at Michigan hospitals was established. In addition, data were obtained from the Michigan Workers' Compensation Agency to supplement the hospital-based data and provide a more complete count of work-related amputations.

## 2016 Results

### Work-Related Amputation Rate by Industry, Michigan 2016



### Leading Causes of Work-Related Amputations, Michigan 2016\*



\*Excludes amputations without a specified cause

## Work-Related Amputation Narratives

- A 38-year-old male working in a food manufacturing facility caught his hand in a conveyor belt, resulting in the amputation of his index finger.
- A 21-year-old female was working as a temporary employee in a motor vehicle parts manufacturing facility when she lost her index finger at the distal interphalangeal joint while using a mechanical power press.