

MIOSHA & Transportation Divisions

Catherine Leonard-Parmerlee
Leon Saladin



MIOSHA Mission

Help Protect the
Safety and Health of
Michigan
Workers!

MIOSHA Motto

Educate Before
We Regulate!



Protecting the safety and
health of Michigan workers
for 50 years.



Michigan
Safety
Conference

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Catherine Leonard-Parmerlee
MIOsha CET Division
Senior On-site Safety Consultant

Introductions

Leon Saladin
Safety Specialist
MacAllister Machinery





Why are we here today?

We are here to help you keep employees safe

What is MIOSHA/CET/GI



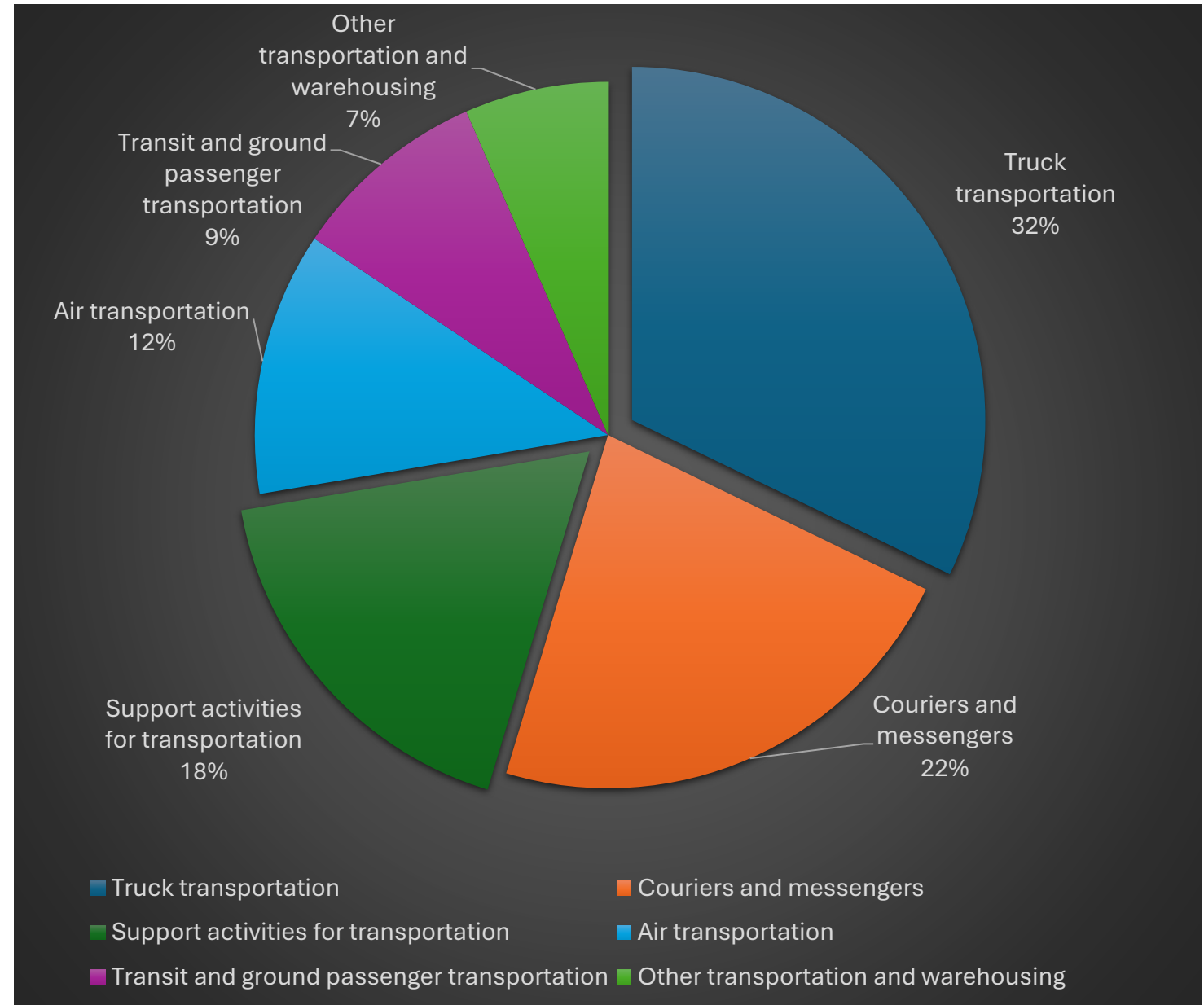
- The Michigan Occupational Safety and Health Administration (MIOSHA) is a state government agency that regulates workplace safety and health in the state of Michigan.
- The Consultation Education and Training (CET) Division offers free, statewide safety and health assistance to employers and employees. Our in-house team of experienced, professional occupational safety experts, construction safety consultants and industrial hygienists provides a wide range of customized services for management and staff.
- “General industry” refers to all industries not included in agriculture, construction or maritime.

Transportation Industry Composition



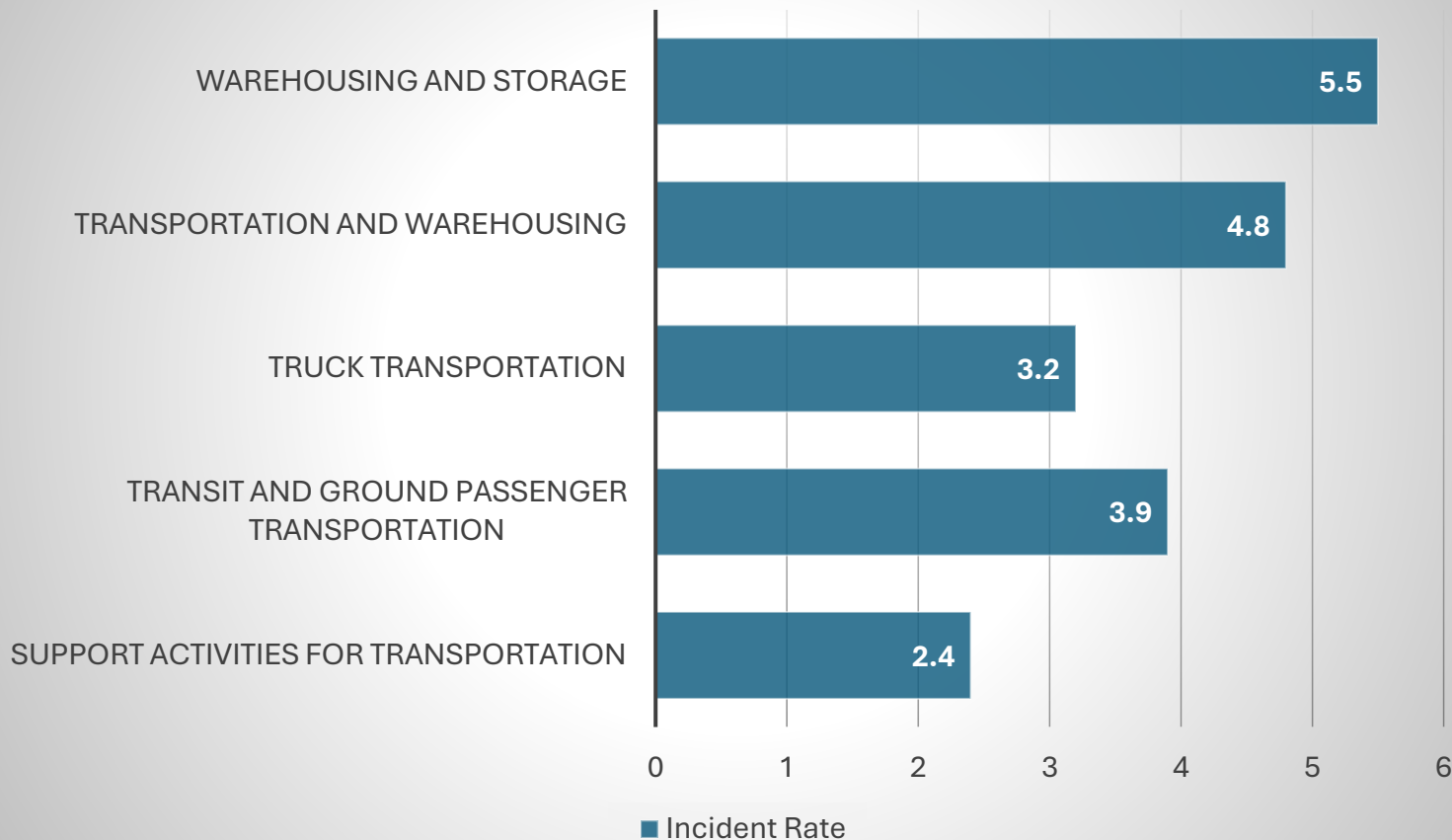
2024

Transportation and
warehousing employment
level 6.6 million



Incidence rates (per 100 full-time workers) of nonfatal occupational injuries and illnesses, 2022

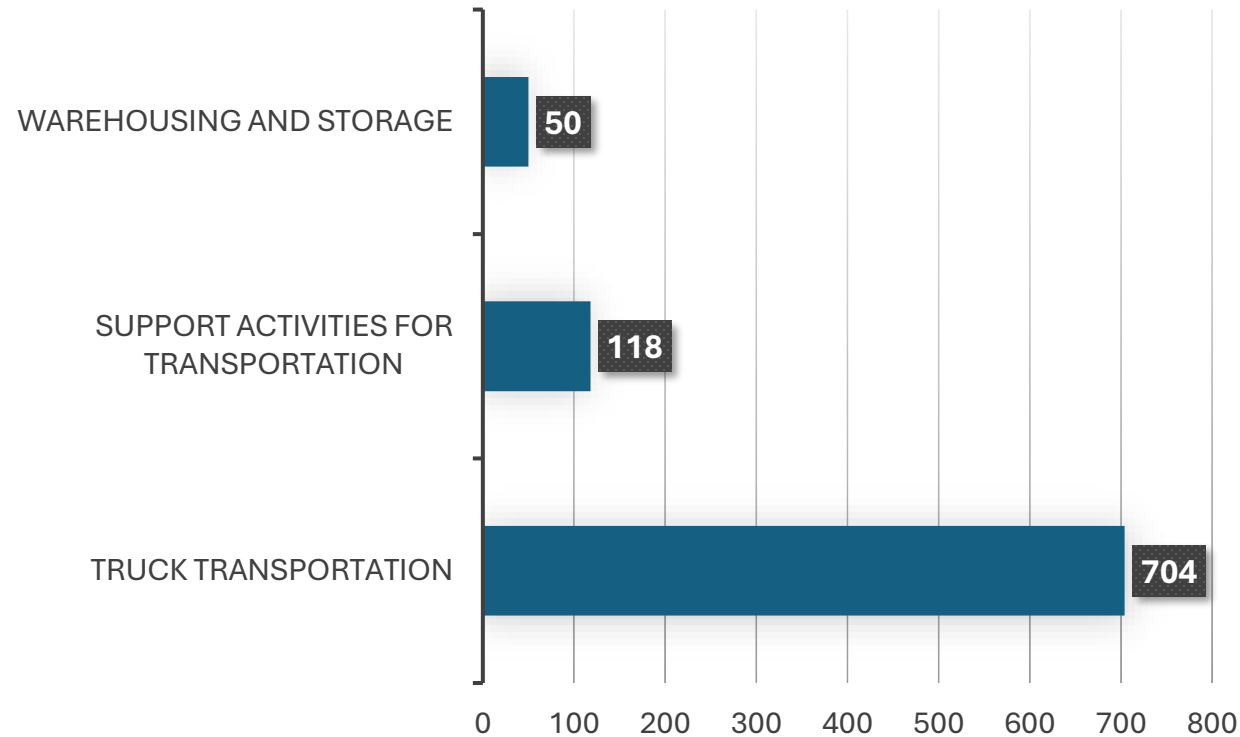
Incident Rate



Warehousing injuries have rose around 20% since 2018

- Warehousing emphasis plans are becoming a hot topic for regulatory agencies.

Transportation and Warehousing Total Fatalities



Fatalities in 2022

- Total Private Industry Fatalities is over 5000
- Transportation Industry 1053

Transportation Industry accounts for approximately 21% private industry fatalities in 2022.

Support activities for transportation accounted for another 118 deaths, half of which occurred in support activities for road transportation.



MIOSHA Transportation Companies

MIOSHA has authority over all aspects of a trucking company as described by the general duty clause: Each employer shall furnish to each employee, employment and a place of employment that is free from recognized hazards that are causing or are likely to cause death or serious physical harm to the employee.

MIOSHA General Industry Standards apply to transportation companies in Michigan

MIOSHA has authority to issue citations to transportation companies in Michigan

FMCSA Regulations apply to transportation companies regarding the safe operation of commercial motor vehicles and commercial drivers

MIOSHA/ Employee Fatalities



MIOSHA Enforcement Division investigates all work-related fatalities.

- MIOSHA does not investigate traffic related fatalities on public roadways as this is the jurisdiction of local law enforcement departments.
 - Traffic related fatalities **must be reported** to MIOSHA at 1-800-858-0397 if the employee was working at the time of the accident.

You do not have to report a traffic accident to MIOSHA if no injuries or fatalities occurred.

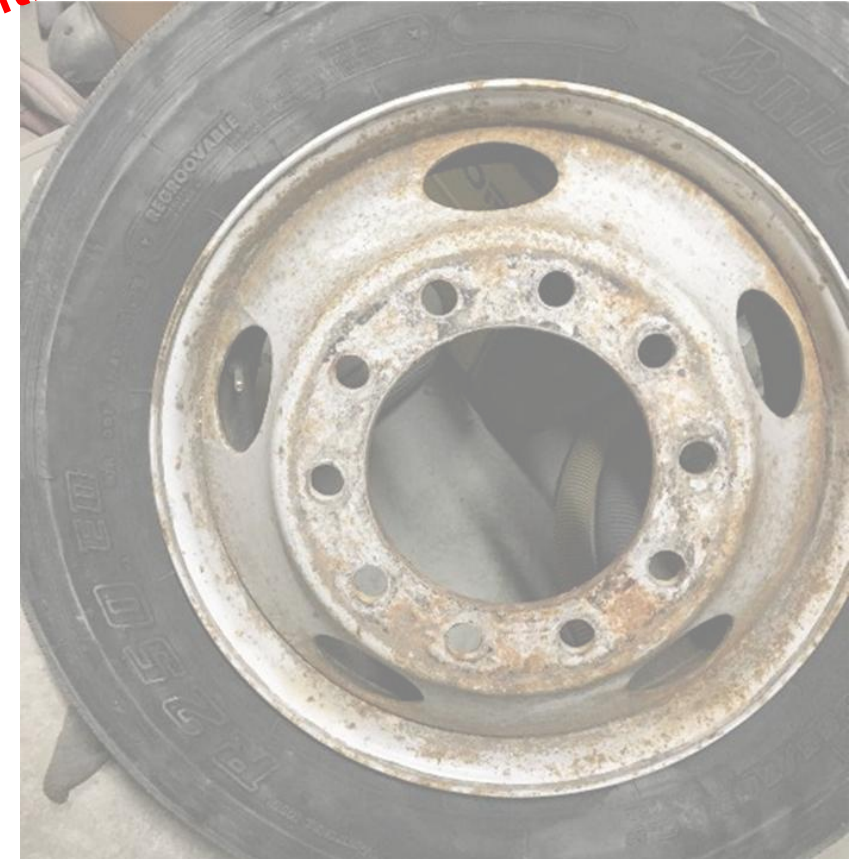
MIOSHA Investigated Fatality

April 21, 2021

- Struck By
- Allegan County
- 60 Years Old

Citations
408.17237(8) GI PART 72 AUTOMOTIVE SERVICE OPERATIONS –
Employee shall stay out of the way of potential trajectory.

- A 60-year-old trailer mechanic was adding air to a flat tire that was leaning up against a work bench. The air wand was wedged against the wheel rim and not held in place by the employee.
- He leaned down when the 42-inch tire failed, striking the employee in the chest. The employee lost his pulse on the way to the hospital.



Citations

MIOSHA Investigated Fatality

Part 72 Automotive Service Operations

Rule 11 (a) Training

Part 85 The Control of Hazardous Energy

Rule 1910.147(c)(1) LOTO program

March 13, 2020

- Caught In or Between
- Oakland
- 42 Years Old

Employee was changing the oil in a Jeep with a manual transmission. Another mechanic started the vehicle to cycle the oil. The employee released the clutch, and the car jumped forward, pinning the employee against a toolbox.



February 4, 2019

- Struck By
- Clare County
- 26 Years Old

MIOSHA Investigated Fatality

Employee died when he was struck by a tire/rim assembly that separated during inflation of the tire. The tire/rim assembly had been placed flat on the concrete floor. During inflation, there was a violent separation of the tire/rim assembly. The decedent was in the trajectory of the exploding tire/rim assembly and was struck by the tire/rim assembly.

Citations

Part 72 Auto Service Operations

408.17211(a) Training

408.17235(4) Restraint Device

408.17235(5) Clip-on Chuck

408.17237(2) Lack of a rim manual

408.17237(8) Employee shall stay out of trajectory



Post Accident Investigations

Who has been involved in a MIOSHA investigation?

How will MIOSHA investigate?

- Interviews
 - Supervisors
 - Employees
 - Witnesses
- Programs will be scrutinized!
 - LOTO
 - Hazardous communication
 - PPE
 - Permit Required Confined spaces
 - Training documents
 - Record of training
 - Initial and Refresher

When will MIOSHA investigate?

- Fatality
- Multiple employees injured
- Disabling Injuries
- Hospitalizations
- Employee complaints

Employer Investigation?

- **Did you conduct an internal investigation?**
- Root cause analysis
- Corrective action
- Scene Photos
- Incident report



Investigation Documents?

Who can tell us what documents will be requested during an investigation?

You have 7 days to add the injury to your 300 log



Audit and Investigation Documentation

- Training records including
 - Operator Permits
 - Certifications
 - Completion Certificates
- Inspection records for equipment
 - Vehicle hoist
 - Crane Inspections
 - Equipment used in daily activities (Aerial platforms, forklift, etc.)
- Hazardous Communication Policy
- LOTO Program
- PPE Assessment
 - Certification, Hazard Assessments

Frequent Violations for Transportation Companies



Safety Cans flammable liquid

Lock out tag out LOTO

Automotive vehicle Lift
Inspections/ load ratings

Wheel Chocking with vehicle running

Wheel inflation/ employees in the way
408.17237(8) Employee shall stay out of trajectory



Locations???

Testing of eye wash station

Eye wash stations



(3) Where corrosive liquids or other liquid materials that would be harmful to an employee are normally used and where an employee is exposed to splash of the materials, a readily accessible means of flushing with water shall be provided.

Frequent Violations for Transportation Companies

Appendix A

*Certification of
Safety-Related
PPE
Hazard Assessment*

Employer: _____

Location*: _____

*Or type of work for employees not assigned to a fixed location

Workplace
Assessed/
Evaluated: _____

Date(s): _____

Name of Person
Assessing/ _____

This document certifies that the hazard assessment has been performed as required by MIOSHA GI Safety Standards, Part 33, Personal Protective Equipment.

Signature of
Person Certifying: _____


- Housekeeping
- Personal Protective Equipment PPE (Safety Glasses, gloves, ETC.)

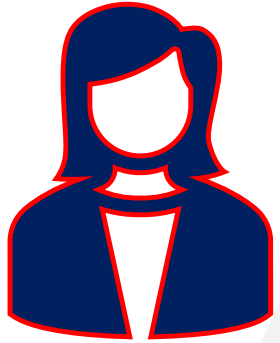
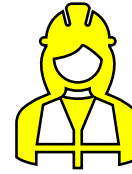
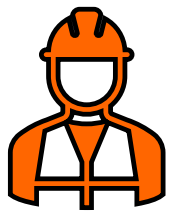
Hazard Assessments

If an employee is going to wear personal protective equipment a hazard assessment should be completed

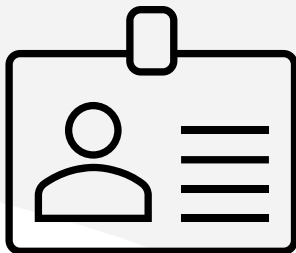
Templates from MIOSHA are available

**Certification of hazard
assessments for PPE
(Document)**





How do we keep our employees safe?



- Training and Education
- Government Standards (MIOSHA, FMCSA, MSHA)
- Employer Policies or Standards
- Industry Best Practices
- Well established safety culture with an engaged employee workforce
 - Safety committee
 - Routine self-auditing system
 - Hazard reporting system
 - Safety suggestions
 - Toolbox talks
 - Safety focused monthly emphasis programs
 - Periodic reviews of safety program components/programs

Employee Training

New Employees

- Onboarding training
- Task Training
- Company Policies
- Certifications needed to do their job

Company Drivers

- Hazardous Communication
- PPE Training
- Lock out Tag out
- Equipment Operator Training
 - Powered Industrial Truck
- Policy and Procedures

Office Staff

- Hazardous Communication
- PPE
- Back Safety
- Electrical Safety
- Ergonomics

Shop Employees

- Hand Tool Safety
- PPE Training
- Ladder Safety
- Wheels and Tires
- Powered Industrial Truck Operator
- Overhead Crane Operator
- Lock out Tag out
- Cribbing and Blocking
- Hazardous Communication

Annual Employee Training

Do you have annual employee training, or do you just conduct training once and hope nothing changes?

MIOSHA Standards and General Industry

- Minimum Regulations that apply to all General Industry
 - Employer responsibilities
 - Employee Responsibilities
 - Training/ Testing of employees
 - Record Keeping
- MIOSHA Scope and Authority
 - Trucking Companies
 - Warehousing Companies
 - Repair shops(Locations service work is performed)



Employer Responsibility

Every MIOSHA Standard has an Employer and Employee responsibility section

- Part 72
 - Rule 7211. An employer shall do all of the following:
 - (a) Provide training to an employee as to the hazards, safe operations of the assigned job, and applicable rules of this part.
 - (b) Assure that job required tools, equipment, and the work area are maintained in a manner free of recognized hazards which would cause an injury.
 - (c) Prohibit smoking, flames and sparks within 15 feet of where Class I flammable liquids are dispensed or used, unless separated by an approved wall. “No Smoking” signs shall be posted in these restricted areas.
 - (d) Not circumvent, bypass, or make inoperative any safeguard unless required during servicing. The safeguard shall be replaced before resuming operation of the equipment
- Part 21 Powered Industrial truck
 - 5 pages of employer responsibilities

Employee Responsibility

**Every Standard Has an
Employer and Employee
Responsibility Section**

- 7212. An employee shall do all of the following:
- (a) Use tools and equipment only when authorized and trained in their use.
- (b) Report employers' defective tools and equipment and hazardous conditions, when detected, to the supervisor.
- (c) Maintain all personal tools, equipment, and work area in a manner to prevent a hazardous condition.

Key MIOSHA standards that may apply to you

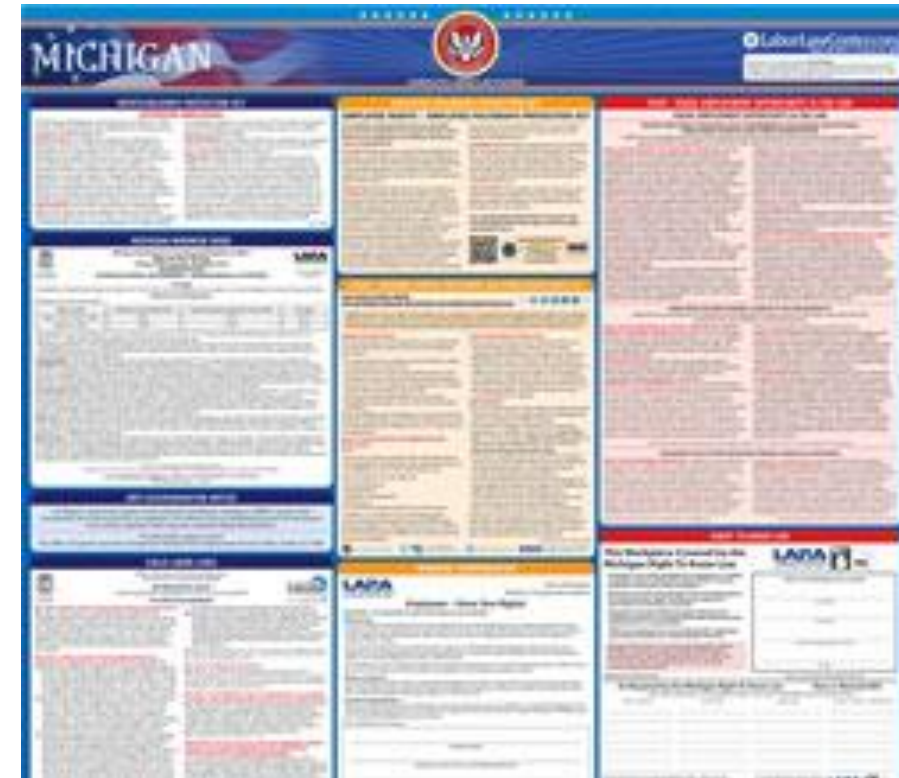
- **Wheels and Tires**
 - Anyone performing tire repairs
- **Fall protection**
 - Training, inspections, proper use of fall protection
- **Forklift Training**
 - Operation
 - Inspection
- **Overhead Crane/ Slings**
 - Hoist
 - Winch
 - Chain Fall
- **Jacking and Blocking**
 - Jack stands
 - Know the weight limits
- **Permit Required Confined Spaces**
 - Employee entry

- **Housekeeping**
 - Maintain a hazard free environment
- **Flammable Liquids**
 - Flammable Gases and storage
 - Gas can requirements
- **LPG Standards**
- **Tools and Usage**
 - Inspections of tools
 - Recordkeeping
- **Air compressor Standard**
 - Gauges, valves, Inspection,
- **Chemical Standards**
 - Hazardous Communication standards
 - Labeling of secondary containers
- **Hearing Conservation**
 - Exceeding noise thresholds
- **Respiratory Protection**
 - Air contaminants

Required Documentation

Required Documentation for all General Industry Companies over 10 Employees

- OSHA 300/ 300A posted
 - Posting from February 1st to April 30th each year
- Worker Rights posters
 - MIOSHA Poster
 - SDS Information Filled In
- Verification of Electronic Record Submission for Federal OSHA



OSHA's Form 300A (Rev. 04/2004)

Summary of Work-Related Injuries and Illnesses

Year 20

U.S. Department of Labor
Occupational Safety and Health Administration

Note: You can type input into this form and save it. Because the forms in this recordkeeping package are "fillable" PDF documents, you can type into the input form fields and then save your inputs using the Free Adobe PDF Reader.

All establishments covered by Part 1904 must complete this Summary page, even if no work-related injuries or illnesses occurred during the year. Remember to review the Log to verify that the entries are complete and accurate before completing this summary.

Using the Log, count the individual entries you made for each category. Then write the totals below, making sure you've added the entries from every page of the Log. If you had no cases, write "0".

Employees, former employees, and their representatives have the right to review the OSHA Form 300 in its entirety. They also have limited access to the OSHA Form 301 or its equivalent. See 29 CFR Part 1904.35, in OSHA's recordkeeping rule, for further details on the access provisions for these forms.

Number of Cases			
Total number of deaths	Total number of cases with days away from work	Total number of cases with job transfer or restriction	Total number of other recordable cases
(a)	(b)	(c)	(d)

Number of Days	
Total number of days away from work	Total number of days of job transfer or restriction
(e)	(f)

Injury and Illness Types		
Total number of ...	(1) Injuries	(2) Skin disorders
(a)	(b)	(c)
	(3) Respiratory conditions	(4) Poisonings
	(d)	(e)
	(5) All other illnesses	(6) Hearing loss
		(f)

Post this Summary page from February 1 to April 30 of the year following the year covered by the form.

Public reporting burden for this collection of information is estimated to average 16 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing this collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington, DC 20503. Do not send this collection of information to the office.

Establishment Information

Your establishment name _____

Street _____

City _____ State _____ Zip _____

Industry description (e.g., Manufacturer of motor truck trailers) _____

North American Industrial Classification (NAICS), if known (e.g., 336212) _____

Employment Information (If you don't have these figures, see the Worksheet on the next page in this form.)

Annual average number of employees _____

Total hours worked by all employees last year _____

Sign here

I certify that I have examined this document and that to the best of my knowledge the entries are true, accurate, and complete.

Company executive _____ Title _____

Phone _____ Fax _____

Flavor

MIOSHA Reporting

You must report inpatient hospitalization, amputation, or loss of an eye using 1 of the following methods:

1. By telephone to the MIOSHA toll-free central telephone number: 1-844-464-6742.
2. By electronic submission using the reporting application located on MIOSHA's web site at www.michigan.gov/recordkeeping.

MIOSHA Reporting

ALWAYS REPORT!

MIOSHA Reviews Work Related Injuries and Fatalities

- Work related medical documentation is reviewed by MIOSHA.
 - **Public records and news reports**
 - **Whistleblower complaints**
 - **Data-sharing agreements**
- Unreported Fatalities/Injuries are investigated by MIOSHA.
- ALWAYS REPORT!

- Offsite Fatality Reporting
- Do you have to report when your employee suffers an injury or fatality while off site?
- Yes
- Even if the employee was injured offsite, it must be reported.

Fatalities (even in other states) must be reported within 8 hours of employer notification.



What is a National Emphasis Programs

What is a NEP?

National Emphasis Programs (NEPs) are temporary programs that focus OSHA's resources on particular hazards and high-hazard industries. Existing and potential new emphasis programs are evaluated using inspection data, injury and illness data, National Institute for Occupational Safety and Health (NIOSH) reports, peer-reviewed literature, analysis of inspection findings, and other available information sources.

Examples of NEP

- Combustible Dust
- Heat
- Hexavalent Chromium
- Lead
- Silica, Crystalline
- Trenching and Excavation
- Shipbreaking (California, Minnesota, Vermont and Washington cover maritime)
- Hazardous Machinery
- Primary Metal Industries
- Process Safety Management (PSM)
- Warehousing and Distribution Center Operations

Warehousing and Distribution Center Operations National Emphasis Program

- Powered Industrial Trucks
 - Theory Learning
 - Practical Examination
 - Operator Permits
 - Record Keeping
 - Daily Inspection Records
 - Training Records
 - Wheel Chocks
 - Who inspects for wheel chocks before loading/ unloading with a powered industrial truck?
- Heat exposure
 - Heat illness prevention program
- Ergonomic screening
 - Ergonomic hazards are assessed
- Material handling/storage,
- Walking-working surfaces
- Means of egress
- Fire protection

MIOSHA Publications

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We Regulate!



- ✓ Worker death publication
- ✓ Where to find the MIOSHA standards
- ✓ MIOSHA News emails

MIOSHA Complaint Hotline1-800-866-4674
Fatality Hotline 1-800-858-0397
MIOSHA Severe Injuries/Illnesses Reporting1-844-464-6742
Consultation and Training Assistance1-517-284-7720

Main MIOSHA webpage:

<https://www.michigan.gov/leo/bureaus-agencies/miosha>



Questions



Thank you For Making a
Difference in
Safety and Health!!



Protecting the safety and
health of Michigan workers
for 50 years.