

Consultation Education and Training (CET) Division
Michigan Occupational Safety & Health Administration (MIOSHA)
Michigan Department of Licensing and Regulatory Affairs(LARA)
www.michigan.gov/miosha
(517) 322-1809

### **Extreme Safety Training Objectives**

- Review teen worker injury statistics.
- Identify where teens work and why they are injured at high rates.
- Introduce Real Teen workers Injury Stories.
- ▶ Identify common workplace hazards.
- Review teen worker rights & responsibilities.
- Identify agencies and authorities that can provide assistance.

## Why Do Teens Work?

#### MONEY!!!!

- Work experience
- Independence
- Parental influence



#### Where Do Teens Work?

- Agriculture
- Amusement & Recreation
- Camps & Trailer Parks
- **▶** Construction
- Department/Retail Stores
- Warehousing
- Food Canning & Processing

- Gifts/Sporting Goods/Bookstores
- Grocery Stores
- Hotels & Motels
- Landscape & Horticulture Services
- Museums/Galleries/Zoo
- Restaurants
- Fruit & Vegetable Stores

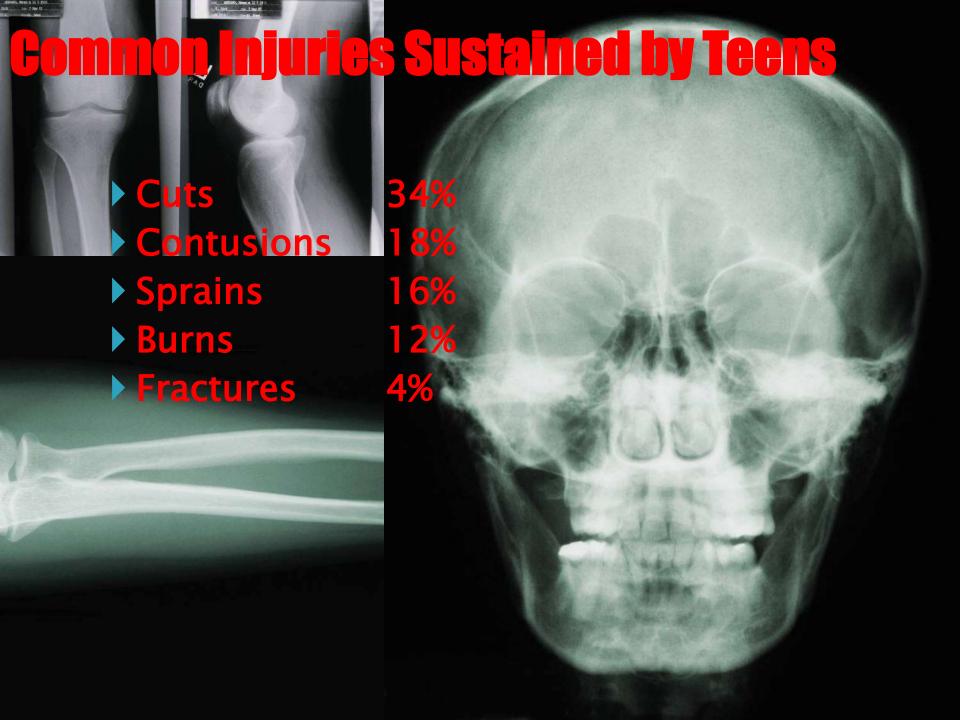
## **Teens Injury Statistics**

- Teens are injured at higher rates than adults.
- > 230,000 teens are injured at work annually.
- ▶ 100,000 teens visit the emergency room due to work related injuries.
- ▶ 88 youths under age 20 died from work-related injuries in 2010, while 20,000 missed work in private industry due to occupational-related illness or injury

**70 TEENS ARE KILLED ON THE JOB EACH YEAR** 

**One Teen Every 9 Minutes** 





#### Young Workers Get Hurt When:

- ▶ They don't have appropriate supervision
- They perform jobs for which they are not trained sometimes without being asked
- ▶ They work with dangerous tools or equipment
- They are required to perform tasks that violate youth labor laws

#### Work in Violation of Labor Laws:

- Too many hours
- In prohibited hazardous occupations
- Without work permits

#### **WORK ALERT**

Michigan requires Teens to have a valid permit to work.

Schools, employers, and parents are part of the permit process

# In Michigan, Workers Under 18 May Not:

- Drive a motor vehicle as part of the job.
- Drive a forklift.
- Use power driven equipment, saws or machinery.
- Slaughtering, butchering and meat cutting.

- Work in construction.
- Come in contact with hazardous substances.
- Work in logging or sawmill.
- Perform brazing, welding, soldering or heat treating.

#### **Restricted Work**

Special approval for some restricted work for 16 and 17-year-olds may be authorized. Employers must apply for special approval to the Department of Education.

Call (517) 335-6041 or visit MDE Office of Career & Technical Education-Youth Employment website at <a href="https://www.michigan.gov/mde">www.michigan.gov/mde</a>



## **Job Hazards**

## A job hazard is anything at work that can hurt you either physically or mentally.

- Every job has health and safety hazards
- Training should always be provided to make you aware of the hazards in your workplace

## Recognizing Job Hazards

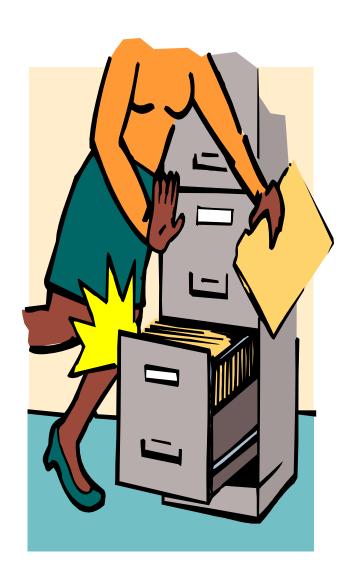
- Safety hazards can cause immediate accidents and injuries.
  - Examples: Hot surfaces, slippery floors, sharp knives, hot grease, violence, falling objects, and motor vehicles.
- Chemical hazards are gases, vapors, liquids, or dusts that can harm your body.
  - Examples: cleaning products, pesticides, solvents, acids, ozone, and asbestos.

## Recognizing Job Hazards

- Biological hazards are living things that can cause sickness or disease.
  - Examples: Bacteria, viruses, insects, viruses, molds, animals, used needles, and poison ivy.
- Other health hazards are harmful things, not in other categories, that can injure you or make you sick.
  - They are sometimes less obvious because they may not cause health problems right away.
  - Examples: noise, radiation, repetitive movements, heat, cold, stress, heavy lifting, awkward posture, fast pace of work, and harassment.

# Common Workplace Safety and Health Hazards

- Materials Handling
- Electrical Equipment
- ▶ Slips, Trips and Falls
- Chemical Exposure



# Common Workplace Safety and Health Hazards

- Poor Housekeeping
- Lack of Emergency Procedures
- Lack of Personal Protective Equipment
- Noise



## **Materials Handling**

- Keep feet apart and slightly staggered for balance
- Bend at your hips and knees
- Keep your back straight
- Keep the load close to your body and waist high
- Get help

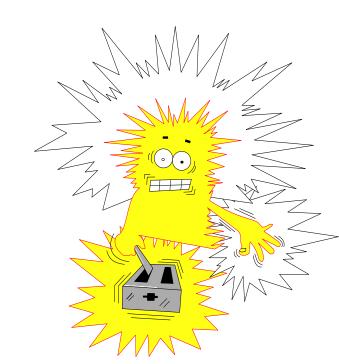




## Electrical Hazards & Equipment

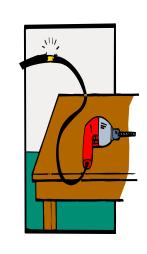
#### **HAZARDS**

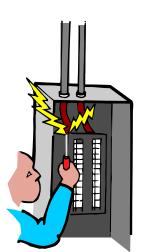
Electrical Shock Potential



#### **Electrical Hazard Protection**

- Inspect electrical equipment/cords regularly
- Remove damaged equipment/cords from service
- Report electrical problems
- No Wet Hands!
- No Unapproved equipment
- No extension cords under rugs or across walkways
- Don't overload circuits
- Never string two extension cords together-FIRE HAZARD
- Extension cords are not for longterm use





## Slips, Trips & Falls

- Top cause of employee injuries
  - Standing on chairs
  - Falling out of chairs
  - Falling down stairs
  - Uneven surfaces
  - Wet/slippery surfaces
  - Cluttered/obstructed aisleways



### Preventing Slips, Trips, & Falls

- Keep aisles clear/unobstructed
- Use the handrail on stairs
- Hold onto chair arms/seat when attempting to sit

- Use an approved step ladder/stool
- Wear appropriate shoes
- Wipe up/report spills/Use wet floor signs
- Report deficiencies to maintenance
- "Penguin Walk" on slippery surfaces

## **Workplace Chemicals**

- Cleaning products and maintenance supplies
- Copier/printer toners and inks
- Markers used for white boards and flip charts
- White board cleaner
- Paper correction fluids



#### **Hazard Communication**

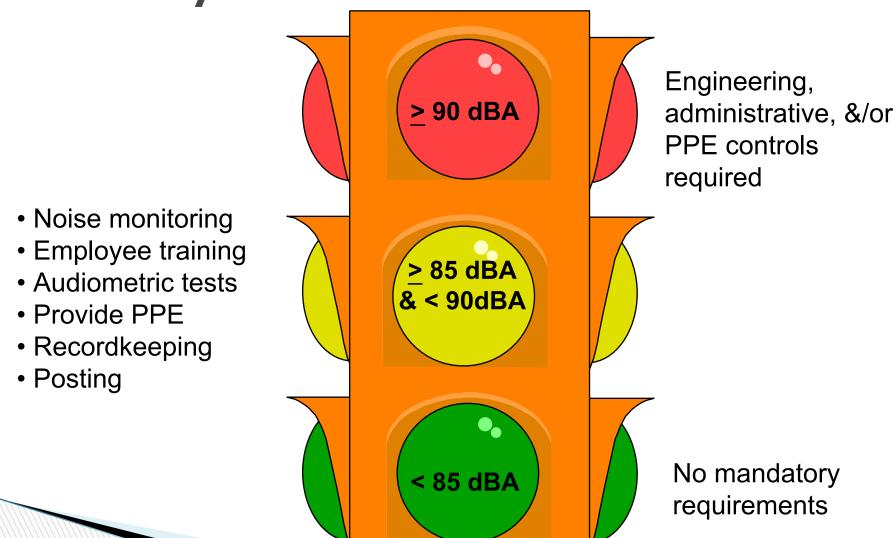
- Enacted to provide you with access to information on the health and physical hazards of the chemicals In your workplace to which you are exposed.
- ▶ The employer must develop and have available for employee review a written hazard communication program.

#### Effects of Excessive Noise

- Increase heart rate & blood pressure
- Constriction of blood vessels leading to tension & stress
- Nervousness, sleepiness & fatigue



Noise Standard Requirements Summary

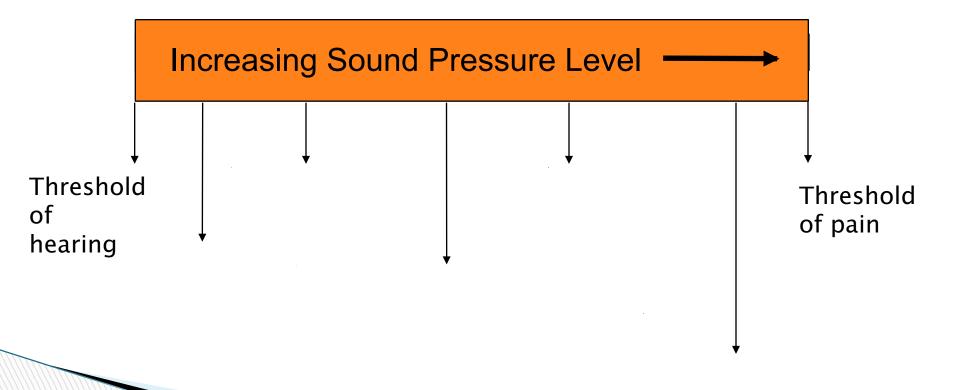


8-hour TWA

#### Sound Levels

#### Decibels (dB)

0 10 20 30 40 50 60 70 80 90 100 110 120 130 140



### Personal Protective Equipment

#### An Employer Shall:

- >Assess the workplace to determine hazards present
- > Select PPE needed and required to perform the job
- Communicate selection decision to employees
  - Safe, reliable & sanitary
  - Clean, inspect & maintain
- No cost to employee either initial issue or replacement costs
- Verify written PPE assessment certification which includes:
  - Workplace evaluated
  - Person who certified assessment
  - Date of hazard assessment completion

## **Emergencies**

- Know the emergency action plan
- Know the escape routes
- Never block or lock emergency exits
- Know how to use fire extinguishers
- Keep an eye on heat generating appliances
  - Toasters
  - Microwaves
  - Space heaters







#### **Fact Sheets**

- Retail Industry
- Service
- Construction
- Landscape & Horticultural Services
- ▶ Youth Worker Fatal Facts

http://www.michigan.gov/lara/0,4601,7-154-61256\_11407\_52824---,00.html

## Adolescent Aspirations

http://www.youtube.com/watch?feature=player\_embedded&v=2N YEi12uiQI#t=3s



## Real Jobs, Real Risks

Lost Youth

http://www.youtube.com/watch?v=Mlkvyjsxz9A

▶ The First Step

**VIDEO & DISCUSSION** 

## Not Careful Enough??? Real Teen Worker Stories

Girl Blinded by Chemicals

Jamie is a 17-year-old dietary aide in hospital. To clean cooking pans, she soaks them in a powerful chemical solution. She uses gloves to protect her hands and arms. One day, as Jaime was lifting 3 large pans out of the chemical solution at once, the pans slipped out of her hands and back into the solution which splashed all over the right side of her face and into her right eye. Jaime was blinded in that eye.



# Not Careful Enough??? Real Teen Worker Stories cont.

▶ Boy Crushes Fingers in Pizza Dough Machine Andy is a 17-year-old pizza shop employee. To make pizzas, Andy starts by putting pizza dough through an electronic dough roller to roll out the pizza crust. One day, the dough got stuck in the machine. Andy tried to push the dough through with his hand. Andy's hand got stuck between the two rollers, crushing two fingers on his left hand.



# Not Careful Enough??? Real Teen Worker Stories Cont.

▶ Girl Contracts Hepatitis B at Summer Job Tanya is a 15-year-old employee of a Summer clean-up corps. One day while Tanya was picking up trash, her hand was struck with a hypodermic needle. Tanya was later tested and diagnosed with Hepatitis B virus.



# Not Careful Enough??? Real Teen Worker Stories cont.

▶ A 16-year-old student worked at a fast food restaurant. The floor often got very greasy and had to be washed a lot. As the student walked across the wet floor carrying a basket of fries, he slipped. He tried to keep the fries from falling so he couldn't break his fall with his hands. He fell on his tailbone and was seriously injured. He now is permanently disabled and has trouble walking.



- Right to a safe and healthy workplace
- Right to training about safety and health hazards, including information on chemicals and materials that could be harmful to your health
- Right to protective clothing and equipment

- Right to work without racial or sexual harassment
- Right to refuse to work if the job is immediately dangerous to your life or health
- Right to report safety and health problems to MIOSHA



#### Teen Worker Responsibilities?

- Follow your employer's safety and health rules and wear or use all required gear and equipment
- Follow safe work practices for your job, as directed by your employer / supervisor
- Ask questions!
- Tell your supervisor, boss, parent, or other adult if you feel threatened or endangered at work
- Be aware of your environment at all times
- Be involved in establishing or improving your worksite safety and health program
- ► Trust your instincts



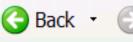
## Job Readiness Professionals Responsibilities

- Consider safety when signing work permits and preparing young people for work.
- Provide training and promote job safety.
- Find out if the employer has an inspection history.
- Encourage young workers to ask questions. Make sure young workers feel free to speak up.
- Provide Information to Parents.



#### OSHA's Statistics & Data Page - Microsoft Internet Explorer

File Edit View Favorites Tools Help













Links MI HR Gateway @ Outlook



Address http://www.osha.gov/oshstats/index.html



#### U.S. Department of Labor

Occupational Safety & Health Administration

www.osha.gov

Search

OSHA has implemented new search technology to

provide faster and more accurate access to OSHA

Inspection data. Access is available 24 hours a day,





60 Advanced Search | A-Z Index

October 24, 2007 Site Index: A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

#### Statistics & Data

#### Inspection Data

Inspection Detail Definitions

 Establishment Search is a query tool which locates OSHA inspections which were conducted within a particular establishment

seven days a week.

- Search Inspections By SIC is a query tool which locates OSHA inspections which were conducted within a particular industry group
- Inspection Information enables access to information about an inspection when the activity number identifying the inspection is known
- Accident Investigation Search enables the user to search the text of the Accident Investigation Summaries

Find It! in DOL Department of Labor

#### Compliance Assistance

- eTools
- Grants
- Hispanic Employer/Worker
- Posters
- QuickCards
- Quick Start
- Recordkeeping
- Small Business
- Training

#### Laws & Regulations

- Standards
- Interpretations
- Federal Registers
- Directives
- Lookback Reviews

#### Establishment Search Page - Microsoft Internet Explorer

File Edit View Favorites Tools Help









Establishment Coca cola

State Michigan





Links MI HR Gateway Outlook Web Client

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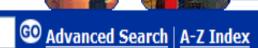


#### U.S. Department of Labor

Occupational Safety & Health Administration

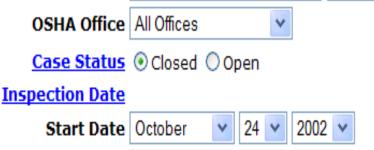
www.osha.gov

Search



#### Establishment Search Page

This page enables the user to search for OSHA enforcement. inspections by the name of the establishment. Information may also be obtained for a specified inspection or inspections within a specified SIC. See also search parameter instructions.



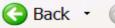
Note: Please read important information below

2007 🕶 End Date October 24 🔻

www.osha.gov/oshastats

#### Establishment Search Results Page - Microsoft Internet Explorer

File Edit View Favorites Tools Help





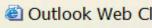








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Address 🙆 http://www.osha.gov/pls/imis/establishment.search?p\_logger=1&establishment=Coca+cola&State=MI&off



#### U.S. Department of Labor

Occupational Safety & Health Administration

www.osha.gov

Search





Advanced Search | A-Z Index

#### Search Results

Establishment Search Results Page

www.osha.gov/oshastats

[Find It! in DOL]

Establishment	Date Range	Office	State
Coca cola	10/24/2002 to 10/24/2007	All	MI

Please note that inspections which are known to be incomplete will have the identifying Activity Nr shown in italic. Information for these open cases is especially dynamic, e.g., violations may be added or deleted.

Sort By: | Date | Name | Office | State |

Return to Search ()

Result Page: 1 2

Get Detail Select All Reset Results 1 - 20 of 29 By Date

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	Activity	Opened	RID	St	Туре	Sc	SIC	NAICS	Vio	Establishment Name
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2	308797877	05/17/2007	0552652	ΜI	Planned	Complete	5499	445299	8	Coca Cola Bottling Co
3	308799949	05/09/2007	0552652	ΜI	Planned	Complete	5149	424490	11	Coca Cola Bottling Co
4	308835677	04/04/2007	0552652	ΜI	Planned	Complete	4225	493110	8	Coca Cola Bottling Co Of Michigan
5	308834480	03/29/2007	0552652	MI	Planned	Complete	4226	493190	14	Binks Coca Cola Bottling Co
6	308835628	03/13/2007	0552652	MI	Complaint	Partial	2086	312111		Coca Cola North America



#### LOG OF WORK RELATED INJURIES AND ILLNESSES

Voor	20	
real	20	 

ATTENTION: This form contains information relating to employee health and must be used in a manner that protects the confidentiality of employees to the extent possible while the information is being used for occupational safety and health purposes.

Michigan Department of Labor and Economic Growth Michigan Occupational Safety and Health Administration (MIOSHA) Form Approved OMB No. 1218-0176

activity are diag recerdi Rule for holden	st record information about every work-related de or job transfer, days away from work, or medical grossed by a physician or iteensed health care p ng criteria issted in Public Law of 1970 (PL 91-59 Recording and Reporting of Injuries and Illnesse t Report (MOSHA Form 301) or equivalent form cal MOSHA office for help. You may be fined in	treatment bey rofessional. Yo iQ and Michiga s. Feel free to i for each injury	ond first ald. You u must also recoi n Occupational Si use two lines for a or liness recorde	must also record signifi- rd work-related injuries i dety and Health Act 154 esimple case if you need	cant work-related injuries and thresses that and litresses that meet any of the specific P.A. 1974, Part II, Michigan Administrative to You must complete an Injury and Illness	CITY	SHMENT NAM						STATE				
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Public reporting burden for this collection of information is estimated to average 14 minutes per response, including time to review the instructions, search and gather the data needed, and complete and review the collection of information. Persons are not required to respond to the collection of information unless it displays a currently valid OMB control number. If you have any comments about these estimates for any other aspects of this data collection, contact:

Michigan Department of Labor & Economic Growth, MIOSHA, MTSD

7150 Harris Dr., P.O. Box 30643, Lansing, MI 48909-8143 • (517) 322-1848 • Do not send completed forms to this office.

Hearing Standard	Threshold	Shifts	must	be
recorded under C				

Se sure to transfer these totals to the Summary Page (Form 200A) before you post it.

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(1)	(2)	(3)	(4)		(6)



#### SUMMARY OF WORK-RELATED INJURIES AND ILLNESSES

Year 20

Michigan Department of Labor and Economic Growth Michigan Occupational Safety and Health Administration (MIOSHA) Form Approved OMB No. 1218-0176

All establishments covered by Public Law of 1970 (P.O. 91-599) and Michigan Occupational Salety and Health Act 154, PA. 1974, Part 11, Michigan Administrative Rule for Recording and Reporting of Injuries and Bresses, must complete this Summary page, even if no work-related injuries or Bhesses occurred during the year. Remember to review the Log to verify that the entries are complete and accurate before completing this summary. You may be fined for failure to comply.

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 MIOSHA Form 300 in its entirety. They also have limited access to the MIOSHA Form 301 or its equivalent. See Part 11, IA408.221.35 Rule 1135, in MIOSHA's recordkeeping rule, for further details on the access provisions for these forms.

Number of C	ases		
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
(G)	(H)	0	(h)
Number of D	ays		
Total number of days away from work	Total number of days of job transfer or restriction		
(K)	(L)		
Injury and Ill	ness Types		
Total number of			
(M) (1) Injuries		(4) Poisonings	
(2) Skin disorders		(5) Hearing loss	
(3) Respiratory cond	litions	(6) All other illnes	595

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 50 minutes per response, including time to review the instructions, search and gather the data needed, and complete and review the collection of information. Persons are not required to respond to the collection of information unless it displays a currently solld DMS control number. If you have any comments about these estimates or any other superty of their collection, controls this improvement of Labor & Economic Growth, MIDS4A, MTSD, 7150 Hamis Dt., P.O. Box 30643, Lateing MI 46909-8143 - (\$11) 332-1849 - Do not send completed forms to this office.

Establishment Informa	ntion	
YOUR ESTABLISHMENT NAME		
STREET		
СПҮ	STATE	ZIF CODE
INDUSTRY DESCRIPTION (e.g.,	Managecture of motor track	talisti)
STANDARD INDUSTRIAL CLASS	SIFICATION (SIC), IF KNOWN	(£18., 500 WTQ
Employment Informati	ion	
ANNUAL AVERAGE NUMBER O	F EMPLOYEES	
TOTAL HOURS WORKED BY A	IL EMPLOYEES LAST YEAR	
Sign Here		
Knowingly falsifying thi	s document may res	suit in a fine.
I certify that I have exa of my knowledge the er	mined this document ntries are true, accum	t and that to the best ate, and complete.
COMPANY EXECUTIVE		TITLE

DATE

PHONE NUMBER

### **Employer Responsibilities**

- Give clear instructions for each task
- Prepare and train workers for emergencies, violent situations, fires, etc.
- Observe workers and correct any mistakes
- Correct unsafe conditions.
- Provide personal protective equipment
- Provide training at the time of assignment and promote job safety
- Encourage supervisors to set a good example
- Obtain information about labor laws
- Discuss onsite health and safety training for youth with job readiness counselors

### Young Worker Resources

- Serve as a resource and advocate for preventing injury and illness in the workplace.
- Discuss occupational health and safety regulations with employers
- Investigate serious health and safety problems in the workplace.



Call 1-800-866-4674 or

visit the website at www.michigan.gov/miosha

Like us on Facebook <a href="http://www.facebook.com/MichiganOSHA">http://www.facebook.com/MichiganOSHA</a>

# MIOSHA Consultation Education & Training Division

- Onsite Consultation Program
- Education and Training Program
- Seminars and Workshops
- Hazard Surveys
- CET Publications Library
- Free Video Loan Library
- Self-Help Program



# Receive MIOSHA CET Training and Agency Announcements Via Email

MIOSHA Consultation Education and Training (CET) Division has established an electronic mailing list (LISTSERV) to inform subscribers of upcoming MIOSHA training programs and announcements.

If you would like to be added to this list, please visit:

http://www.michigan.gov/dleg/0,1607,7-154-11407\_15317-115758--,00.html

## Health & Safety Teen Resources: OSHA (Occupational Safety and Health Administration)











http://www.osha.gov/SLTC/teenworkers/index.html

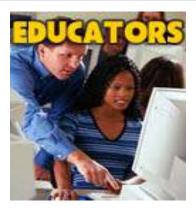
### **Health & Safety Teen Resources:**

DOL (Department of Labor)











http://www.youthrules.dol.gov/index.htm

Thank You For Attending This Presentation

For further information or to request consultation, education and training services, call (517) 322-1809

