

# Accidents

## Objectives

- What is an Accident?
- Causes of Accidents
- Causes of Accidents
- Accidents Investigation
- What can you do to prevent Accidents?
- Cost of accidents

Definition

Types of cost of accidents

Compensation for accidents at work

# Accidents

## **What is an Accident?**

Accidents is any unplanned event that results in a personal injury or in property damage.

## **Causes of Accidents**

The cause of most accidents is the failure of people, equipment, supplies or surroundings to behave or react as expected.

- Images of accidents



# Accidents

## Causes of Accidents:

Among the more frequent accidents to people in the industry, causes the dangerous effects of which should, in no circumstances be forgotten are:

- 1-Failure to use the available safety appliances.
- 2-Failure to wear special clothing (and boots) while performing dangerous work.
- 3-Using faulty tools - especially ill-fitting wrenches and buried-edge hammers chisels.
- 4-Using insecure scaffolding and ladders.

# Accidents

## Some Causes of Accidents:

5-Faulty packing of materials and handling of same in careless manner.

6-Using faulty chains ropes or wires.

7-Walking underneath loads suspended from cranes, slings, etc.

8-Walking through escaping steam.

9-Climbing through moving vehicles.

10-Neglecting to (stop, look, and listen) before crossing the road.

# Accidents

## Causes of Accidents:





# Accidents

## Accidents Investigation:



# Accidents

## Accidents Investigation:

- An accident investigation determines how and why accidents occur.
- The investigation will lead to the cause of the accident.
- By eliminating one or more cause, most accidents are preventable.



# Accidents

## Accident Prevention:

- Information obtained from an accident investigation is used to help to prevent future accidents from happening.
- Accident prevention is also accomplished by conducting work safety inspections, reporting unsafe conditions, providing training and performing regular “check-ups” on equipment and tools.

# Accidents

Accident Prevention:



# Accidents

## What can you do to prevent Accidents?

- Report any unsafe or hazardous conditions to:
  - 1-Your superior/boss.
  - 2-Your environmental health and safety office.
  - 3-Take care of it yourself.
- Make sure the equipment, tools or machines you use are:
  - 1-In good working order.
  - 2-Have machine guards in place.
  - 3-Are certified or maintained on a regular basis.
  - 4-Used properly and safely by yourself and others.

# Accidents

## What can you do to prevent Accidents?

-Wear personal protective equipment (PPE):

1-Know which type of (PPE) to wear for example, you need to know the proper type of gloves for the work you do and the materials you work with.

2-Know the proper way to wear your (PPE) for maximum protection.

# Accidents

## Cost of accidents

### Definition

- Is a monetary loss associated with an accident or an incident.
- Accidents are more expensive than most people realized because of the hidden cost.
- Every year work place injuries, illness and death cost over billions of dollars.
- That's money that businesses can save, and pain workers can avoid.

# Accidents

## Types of cost of accidents

There are two types of costs i.e. direct and indirect cost:

### Direct cost:

costs that vary depending upon the volume and output, including medical cost and indemnity payment.

### Indirect cost:

are resources that don't vary with usage such as production time lost by injured employee, fellow workers and supervisors, spoiled product, unhappy customers, schedule delays, training new employees, overhead costs, legal fees and an increase in insurance costs.



# Accidents

**How can you save money while improving safety and health in your facility?**

- One study estimated that a good safety and health program can save more money. That is because :
  - injuries and illnesses decline.
  - Workers compensations go down.
  - Medical costs decrease.
  - There are other, less quantifiable as well-reduced absenteeism, lower turnover, higher productivity and increase morale.

# Accidents

## Compensation for accidents at work

Employers are obligated to offer their staff a health and safe environment at work.

That means undertaking an assessment of the risks that exists in the workplace, as well as providing training and work equipment to ensure that each employee is able to carry-out their job in a safe manner and in safe workplace.

# Accidents

## Compensation for accidents at work

- Over the past few years, health and safety legislations has also significantly increased the level of protection available to employees in the workplace.
- There are now written laws to prevent accidents which apply to most areas of work.