

Occupational Safety & Health 1.Types of Hazards Physical, Chemical, Biological, Psychological & Ergonomics HAZARDS Physical: Fire, Machinery Chemical: Acid Biological: Bacteria , Fungi Psychological: Stress, Workload Ergonomics: Manual Handling Types of Hazards Covid-19 And Its Relation to OSH COVID-19 & Its Relation to OSH COVID-19 spread mainly through respiratory droplets when an infected person coughed, sneezed, or talked.Key Terms Health ,Safety & Welfare Hazard ,Exposure & Risk Introduction to OSH Safety Commitment Types of Hazards Physical, Chemical, Biological, Psychological, Ergonomics COVID-19 & Its Relation to OSH Importance of Health & Safety Frank Bird's Iceberg Theory The Cost of Workplace Accidents & Illnesses Key Terms Health, Safety, Welfare Hazard, Exposure, Risk Health The protection of people from physical injury.Cost involved in training the new worker to replace the injured workman Investigation time Frank Bird's Iceberg Theory The Cost of Workplace Accidents & Illnesses The Cost of Workplace Accidents & Illnesses Work-related accidents and diseases come with significant costs, both direct and indirect, affecting not only workers but also their families.Now, let's relate this to Occupational Health and Safety (OHS): Exposure: Workers in crowded places or those interacting with many people (e.g., healthcare workers, retail staff) had a higher chance of being exposed to the virus.COVID-19 & Its Relation to OSH Risk: The likelihood of getting infected depended on factors like close contact, lack of protective measures, and hygiene practices.Unhidden cost: Another term for Unhidden Cost is Direct Cost or "Insured Cost". Examples of All medical expenses, amount paid as compensation, legal fees etc. counts under unhidden cost. Hidden cost: Another term for Hidden cost is "Indirect Cost" or "Uninsured Cost".Employees are also obligated to follow HSE guidelines by working safely, reporting hazards, and refusing unsafe tasks.Safety Measures: To reduce risk, workplaces implemented measures like masks, hand hygiene, social distancing, and ventilation.Welfare: Employers provided sanitizers, sick leave policies, and mental health support to ensure workers' well-being.Brainstorm prevention methods to minimize or eliminate the hazard, exposure, or risk.It includes preventing injuries, identifying hazards, and promoting a culture where safety is a priority.Money – Workplace accidents and illnesses can lead to financial losses due to medical costs, lost productivity, and compensation claims.Safety involves taking measures to prevent accidents that might impact the individual both mentally and physically.Safety The protection of the body and mind of people from illness resulting from the materials, processes or procedures used in the workplace.Safety Commitment Safety Commitment Safety commitment refers to an organization's dedication to ensuring a safe work environment by following health, safety, and environmental (HSE) standards.Health: COVID-19 affected people's physical well-being, causing mild to severe illness, and also impacted mental health due to stress and isolation.Importance of Health & Safety Importance of Health & Safety Law – Compliance with health and safety regulations is mandatory to protect workers and avoid legal consequences.Image – A strong safety record enhances a company's reputation, attracting clients, investors, and skilled workers.Workplace hazards can extend beyond the job site, impacting families, communities, and the environment.Risk The likelihood of a hazard causing harm, considering both the probability and severity of the potential consequences.Introduction to OSH Introduction to OSH Occupational health and safety is a broad field focused on protecting workers' well-being.Its key goals include: Promoting and maintaining workers' physical, mental, and social health.The

Cost of Workplace Accidents & Illnesses – Contd. Job insecurity: Risk of losing employment if unable to perform tasks. Healthcare expenses: Medical bills, rehabilitation, and ongoing treatment costs. Welfare Includes anything that is done for the comfort and improvement of employees. Key Definitions Hazard

Any source of potential harm, danger, or adverse effect on people, property, or the

environment. Exposure The condition of being in contact with a hazard, which may lead to harm or adverse health effects. Protecting workers from workplace hazards. Workers have the right to refuse

unsafe tasks. People – Ensuring a safe work environment protects employees' well being, keeping them healthy and productive. Similarly his explanations says that only a small part of the cost of accident is

unhidden while major cost of the accident is hidden. Loss of income: Reduced earnings due to time off work. Conclusion Occupational Health and Safety protects workers' physical, mental, and social well-

being. Break into group of 3–5 members Choose one from the following: A common hazard (from one of the 5 types: physical, chemical, biological, ergonomic, or Psychological). Key Definitions –

Contd... Adapting work conditions to fit human capabilities. Safety is a shared responsibility, and every worker plays a role in maintaining a secure workplace. Safety commitments at a workplace include: 1. All injuries can be prevented. Workers should report any hazards they notice. Supervisors are responsible for ensuring safety. Safety habits should be practiced both at work and outside of work. It could also spread by touching contaminated surfaces and then touching the face. Hazard: The virus itself was the hazard, as it posed a threat to health. Frank Bird's Iceberg Theory Frank Bird's Iceberg Theory In the sea we can see only 1/3rd part of the iceberg, while 2/3rd part is hidden under the water. Direct Costs for Workers:

Pain and suffering: Physical and emotional distress from the injury or illness. Ensuring a safe work environment benefits both employees and society. A type of exposure in the workplace. Preventing work-related health issues. Ensuring the work environment suits employees' physical and mental needs. Safety

Commitment – Contd. Safety should never be rushed--take time to do it properly. Both employees and contractors must be committed to safety. A strong safety culture improves business success. Hidden cost are as follows: Damage to reputation of the company. Poor working conditions can harm workers and

affect their safety and health. Present your solutions to the class. 2.3. Agenda

4.5.6.7.8.2.3.4.5.6.7.8. ACTIVITY 1.2.3. A risk that could lead to injury or

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