Hope College Training

MIOSHA
Bloodborne Pathogens (BBP)
Purpose of the Bloodborne Pathogen Standard

- MIOSHA Required
- Eliminate or minimize occupational exposure of employees to blood or certain other body fluids.
What are Bloodborne Pathogens?

- "Bloodborne Pathogens" means pathogenic microorganisms that are present in human blood and can cause disease in humans. These pathogens include, but are not limited to, hepatitis B virus (HBV), hepatitis C Virus (HCV) and human immunodeficiency virus (HIV).
What are Other Potentially Infectious Materials?

- "OPIM" means other potentially infectious materials.
- "Other Potentially Infectious Materials" means:
  - The following human body fluids: semen, vaginal secretions, cerebrospinal fluid, synovial fluid, pleural fluid, pericardial fluid, peritoneal fluid, amniotic fluid, saliva in dental procedures, any other body fluid that is visibly contaminated with blood such as saliva or vomitus, and all body fluids in situations where it is difficult or impossible to differentiate between body fluids such as emergency response.
"Other Potentially Infectious Materials" means: Cont.

- Any unfixed tissue or organ (other than intact skin) from a human (living or dead); and

- Any of the following, if known or reasonably likely to contain or be infected with HIV, HBV, or HCV: Cell, tissue, or organ cultures from humans or experimental animals; Blood, organs, or other tissues from experimental animals; or Culture medium or other solutions.
Exposure Determination

• All employees which may be expected to incur occupational exposure to blood or other potentially infectious materials (OPIM) while performing their required work duties.
At Hope College which job classifications are at risk?

- Athletic Trainers
- Biology Lab Directors
- Campus Safety Officers
- Custodial Services
- Nursing Faculty
- Plumbers
Compliance Strategies

• Universal Precautions techniques developed by the Centers for Disease Control (CDC) will be observed at Hope College. All blood or OPIM will be considered infectious regardless of the perceived status of the source individual.
Engineering and work practice controls.

• Engineering and work practice controls will be used to eliminate or minimize exposure to employees at Hope College.
What are engineering controls?

- "Engineering Controls" means controls (e.g., sharps disposal containers, needleless systems and sharps with engineered sharps injury protection) that isolate or remove the Bloodborne pathogens hazard from the workplace.
What are work practice controls?

- "Work Practice Controls" means controls that reduce the likelihood of exposure by defining the manner in which a task is performed (e.g., Use of PPE, sharps containers, recapping techniques, and other such work practices to reduce the likelihood of exposure.)
Engineering and Workpractice Controls at Hope College

• All Sharps shall be placed in puncture-resistant, leakproof, labeled containers.
Engineering and Workpractice Controls at Hope College

- All equipment must be disinfected after being exposed to BBP’s.
Engineering and Workpractice Controls at Hope College

• Use of Personal Protective Equipment shall be used to prevent exposure to BBP’s.
BODILY FLUID CLEAN-UP KIT
KIT CONTENTS REVIEW

- Scraper
- Bio Bag
- Apron
- Gloves
- Mask
- Chlorine Concentrate
- Cap
- Towel and Antiseptic Towellette
- Fluid Control Solidifier
CHLORINE CONCENTRATION

Chlorine Concentration solution for disinfecting the area.

Just add water up to the line

Powder in the bottom of container already pre-measured.

Allow concentration to set for 10 minutes wet before wiping dry.
Engineering and Workpractice Controls at Hope College

• All equipment must be disinfected after being exposed to BBP’s.

• Use Hepacide Quat II
  Let set on surface for at least 5 minutes.
FLUID CONTROL SOLIDIFIER

Pour on liquid to solidify it so it can be scooped up and disposed of.
SCRAPER

Use Scraper to pick up solidified material, glass, sharps, etc.
Wear PPE and Clean up after.
Bio-Hazard Bags

Bring Bio-hazard bags to the Health Clinic or Health and Fire Safety Office for disposal.
Engineering and Workpractice Controls at Hope College

- Handwashing shall be performed anytime PPE is removed or exposure to BBP has occurred.
Engineering and Workpractice Controls at Hope College (cont.)

• Contaminated laundry shall be bagged and brought to Lemon Fresh or uniform company for laundering. Do Not take contaminated items home.

• Eating and drinking shall be prohibited in areas where there is exposure to BBP’s.
How can I tell if I have had an exposure incident?

- "Exposure Incident" means a specific eye, mouth, other mucous membrane, non-intact skin, or other source contact with blood or other potentially infectious materials that result from the performance of an employee's duties.
What should I do if I feel I have been exposed to BBP’s?

• Wash the area immediately
• Contact your supervisor.
• Consult with a Health Care Professional.
• Get Hepatitis B Vaccination.
Can I get Vaccinated for Hepatitis B?

- Employees can receive the Hepatitis B Vaccine free of charge and during work hours.
- Declination of the vaccine by the employee does not prohibit them from getting the vaccine at a later date.
Hepatitis B Vaccine

- Hepatitis B Vaccine available through Holland Medi Center.
  - 3 shots in series approximately a month apart.
  - Free of charge
  - Can be done during normal work hours.
What are the Risks of getting the Hepatitis B Vaccine?

Hepatitis B vaccine risks

Hepatitis B is a very safe vaccine. Most people do not have any problems with it.

The following **mild problems** have been reported:
- Soreness where the shot was given (up to about 1 person in 4).
- Temperature of 99.9°F or higher (up to about 1 person in 15).

**Severe problems** are extremely rare. Severe allergic reactions are believed to occur about once in 1.1 million doses.

A vaccine, like any medicine, *could* cause a serious reaction. But the risk of a vaccine causing serious harm, or death, is extremely small. More than 100 million people have gotten hepatitis B vaccine in the United States.
"Bloodborne Pathogens" means pathogenic microorganisms that are present in human blood and can cause disease in humans.

T or F

"OPIM" means

- other potentially infectious materials.
- Optimal permissible infectious material
- Open pharmaceutical intact material
Test continued

• All employees may be expected to incur occupational exposure to blood or other potentially infectious materials
  T or F

• Custodial Services is a job classification at Hope College that is at risk of exposure to Bloodborne Pathogens
  T or F
Test continued

- Universal Precautions means that all blood or OPIM will be considered infectious regardless of the perceived status of the source individual. 
  T or F
- Engineering and work practice controls
  - Eliminate exposure to employees at Hope College.
  - Minimize exposure to employees at Hope College
  - Protect the employee from exposure by procedures and methods that reduce exposure incidents.
  - All of the above
Test Continued

• Using Personal Protective Equipment reduces your likelihood of an exposure incident.  
  T  or  F

• Contaminated laundry should be brought home immediately and laundered.  
  T  or  F

• To disinfect equipment use Hepacide Quat II  
  T  or  F
Test Continued

- If you feel you have been exposed you should
  - Wash the area immediately
  - Contact your supervisor.
  - Consult with a Health Care Professional.
  - Get Hepatitis B Vaccination.
  - All the above

- Hepatitis B Vaccines are available free of charge during normal work hours for any employee.
  T or F
Test Continued

- Name
- Supervisor
- Date

Please review any wrong answers with your supervisor.