

Bloodborne Pathogens



Bloodborne Pathogens



⌘ Objectives: Demonstrate an ability to..

☑ Define Bloodborne Pathogens

☑ Recite Purpose of Henrico County Bloodborne Pathogens Policy.

☑ Identify method for determining job categories and specific tasks considered “at risk” for exposure.

Bloodborne Pathogens



⌘ Objectives Cont.

- ☑ Recite Protective Measures & Methods of Compliance as follow:
 - ☑ Universal Precautions
 - ☑ Personal Protective Equipment
 - ☑ Equipment, Environmental and Working Surfaces
 - ☑ Sharps Precautions
- ☑ Identify steps involved with Hepatitis B Vaccination.

Bloodborne Pathogens

⌘ Objectives Cont.

- ☑ Recite procedures for Evaluation and Follow-Up of Exposure Incidents.
- ☑ Describe warning labels and color coding methods.



First Objective



⌘ Define Bloodborne Pathogens

- ☑ Bloodborne Pathogens are microorganisms such as viruses or bacteria that are carried in blood and can cause disease in people.

Second Objective:

- ☒ Recite Purpose of Bloodborne Pathogens Policy



Purpose



- ⌘ OSHA developed a Bloodborne Pathogens Policy (1910.1030) to reduce the occupational transmission of infections found in human blood and certain other potentially infectious materials.
- ⌘ This standard focuses on two viruses:
 - ☑ Hepatitis B Virus (HBV)
 - ☑ Human Immunodeficiency Virus (HIV)

Purpose Cont.



- ⌘ An exposure Control Plan has been developed by the County of Henrico in order to minimize and prevent exposures to employees and to comply with the OSHA Bloodborne Pathogens Standard.
- ⌘ You may obtain a copy of this plan upon request to the Director of your Department.

Third Objective



- ⌘ Identify methods for determining job categories and specific tasks considered “at-risk” for exposure.

Exposure Determination



- ☒ All job categories in which it is reasonable to anticipate that an employee will have skin, eye, mucous membrane, or outside the body contact with blood or other potentially infectious materials are included in the exposure control plan.
- ☒ The tasks associated with your job meet this definition.

Exposure Determination

Cont..



☒ Other potentially infectious materials is defined as follows:

☒ semen, vaginal secretions, cerebrospinal fluid, pleural fluid, pericardial fluid, peritoneal fluid, amniotic fluid, any body fluid visibly contaminated with blood, saliva.

Fourth Objective



- ☒ Recite Protective Measures & Methods of Compliance as follows:
 - ☒ Universal Precautions
 - ☒ Personal Protective Equipment
 - ☒ Equipment, Environmental and Working Surfaces
 - ☒ Sharps Precautions

Protective Measures & Methods of Compliance



⌘ Universal Precautions:

- ☑ All blood or other potentially infectious materials shall be handled as if contaminated by a bloodborne pathogen.

Protective Measures & Methods of Compliance



⌘ Personal Protective Equipment (PPE)

☑ All PPE will be provided, repaired, cleaned, and disposed of by the employer at no cost to employee.

☑ PPE includes:

☒ Gloves, gowns, laboratory coats, face shields, masks, eye protection, mouthpieces, resuscitation bags and pocket masks.

⌘ Employees shall wear PPE when doing procedures in which exposure to the skin, eyes, mouth, or other mucous membranes is anticipated.

Protective Measures & Methods of Compliance



⌘ Personal Protective Equipment Cont.

- ⌘ If garment is penetrated by blood or other potentially infectious material, the garment shall be removed as soon as possible and placed in a designated container for laundering or disposal.
- ⌘ All PPE shall be removed before leaving the work area and placed in assigned containers for storage, washing, decontamination or disposal (check your departments requirements).

Protective Measures & Methods of Compliance



⌘ PPE - Hand Protection

⌘ Gloves shall be worn in the following situation:

- ☑ when it can be reasonably anticipated that hands will contact blood or other potentially infectious materials, mucous membranes, and non-intact skin.
- ☑ When performing vascular access procedures (only exception is for phlebotomists in volunteer blood donation centers).
- ☑ When handling or touching contaminated items or surfaces.

Protective Measures & Methods of Compliance



⌘ PPE - Disposable Gloves

⌘ Replace as soon as feasible when gloves are contaminated, torn, punctured, or when their ability to function as a barrier is compromised.

⌘ Do not wash or decontaminate single use gloves for re-use.

Protective Measures & Methods of Compliance



⌘ PPE - Utility Gloves

- ⌘ Decontaminate for re-use if the gloves are in good condition.
- ⌘ Discard when gloves are cracked, peeling, torn, punctured or show other signs of deterioration (whenever their ability to act as a barrier is compromised).

Protective Measures & Methods of Compliance



⌘ PPE - Protection for Eyes/Nose/Mouth

- ⌘ Employee shall wear masks in combination with eye protection devices (goggles or glasses with solid side shields) or chin-length face shields whenever splashes, spray, spatter, or droplets of blood or other potentially infectious materials may be generated.
- ⌘ Also when eye, nose, or mouth contamination can be reasonably anticipated.

Equipment, Environmental & Working Surfaces



- ⌘ Regularly inspect/decontaminate all reusable bins, pails, cans, and similar receptacles which may become contaminated with blood.

Equipment, Environmental & Working Surfaces



- ⌘ Clean contaminated work surfaces with appropriate disinfectant as follows:
 - ☑ after completing procedure;
 - ☑ immediately or as soon as feasible when contaminated or after any spill of blood;
 - ☑ at the end of the work shift if the surface may have become contaminated since the last cleaning.

Sharps Precautions



- ⌘ Clean up broken glass which may be contaminated using mechanical means such as a brush and dustpan, tongs, or forceps. DO NOT pick up directly with the hands.
- ⌘ Reusable containers are not to be opened, emptied, or cleaned manually or in any other manner which will expose employees to the risk of percutaneous injury. DO NOT reach by hand into a container which stores reusable contaminated sharps.

Fifth Objective



⌘ Identify steps involved with Hepatitis B
Vaccination

Identify Procedure for Hepatitis B Vaccination



- ⌘ All employees who have been identified as having exposure to bloodborne pathogens will be offered the Hepatitis B vaccination series at no cost.
- ⌘ In addition, these employees will be offered post-exposure evaluation and follow-up at no cost should they experience an exposure incident on the job.

Hepatitis B Vaccination Cont.



- ⌘ Three Injections

- ⌘ Vaccination will be made available to employees after they have attended training on bloodborne pathogens and within 10 days of initial assignment to a job category with exposure.

Hepatitis B Vaccination Cont.



- ⌘ Second Injection given one month from initial injection
- ⌘ Final dose given six months from the initial dose.

Hepatitis B Vaccination Cont.



- ⌘ Any exposed employee who chooses not to take the Hepatitis B vaccination will be required to sign a declination statement.
- ⌘ If employee later changes their mind and wishes to have the shots, the County will proceed with the vaccination at no cost to the employee.

Sixth Objective



- ⌘ Recite Procedures for Evaluation and Follow-Up of Exposure Incidents.

Evaluation Procedures and Follow-Up of Exposure Incidents



- ⌘ Exposure incident is a specific eye, mouth, other mucous membrane, non-intact skin, or outside the body contact with blood or other potentially infectious materials resulting from the performance of an employee's duties.

Evaluation Procedures and Follow-Up of Exposure Incidents Cont.



- ⌘ Employees who experience an exposure incident must immediately report their exposure to their immediate supervisor.
- ⌘ Upon reporting an exposure incident, you will immediately be offered a confidential medical evaluation and follow up.

Seventh Objective



⌘ Describe Warning Labels and Color Coding Methods.

Describe Warning Labels and Color Coding methods.



- ⌘ All regulated waste must be disposed in properly labeled containers or red biohazard bag.
- ⌘ Regulated waste refers to:
 - ☑ Any liquid or semi-liquid blood or other potentially infectious materials
 - ☑ Contaminated item that would release blood or other infectious materials and are capable of releasing these materials during handling.
 - ☑ Contaminated sharps
 - ☑ Pathological and microbiological wastes containing blood or other potentially infectious materials

Questions or Comments?



That's all folks...