

What are blood borne Pathogens?

- They are microorganisms in human body blood or body fluid that cause disease in humans. The two blood borne pathogens that have received the most attention and pose a serious health threat if contracted are the hepatitis B virus (HBV), which causes a severe form of Hepatitis in some or acts as a carrier in others; and the human immunodeficiency virus (HIV), which causes AIDS.

Methods of Transmission

- Blood borne pathogens are usually transmitted or passed on when disease organisms enter the body through mucus membranes or through breaks in the skin. While intact skin offers some protection against blood borne pathogens, they may be transmitted through the skin via accidental injection with needles, scalpels, shards of glass or biting. They may also enter the body through open cuts, nicks, skin abrasions and cracked skin caused by various types of dermatitis. At work, the most common exposure to blood borne pathogens could occur when an infected worker has an injury causing direct exposure to human blood and the person who comes to help them is not wearing the proper personal protective equipment or practicing universal precautions.

Universal Precautions

- Universal precautions is a method of infection control in which all blood and certain human body fluids are treated as if known to be infectious for HIV, HBV and other blood borne pathogens. Universal precautions are to be observed in all situations where there is potential for contact with blood or other potentially infectious material. Personal protective equipment should be used in conjunction with universal precautions when dealing with all body fluids. Qualified, trained first-aiders should be equipped to safeguard against this exposure. You should be aware that there is a good possibility that you may have small nicks or cuts on you from previous jobs. These nicks and cuts, in addition to your mouth, nose and eyes are examples of possible entryways for blood borne pathogens, present in the injured person, to enter your circulatory system.

Person Protective Equipment

- Personal protective equipment, which includes latex gloves, gowns, mouthpieces, resuscitation bags, and face masks can significantly reduce the health risks for workers exposed to blood and other potentially infectious materials. The PPE must be suitable for the level of expected exposure and should be readily accessible to employees and available in appropriate sizes. Employees should be trained on the proper use of PPE and how to respond effectively and safely to an injury.

OSHA's Blood Borne Pathogen Standard

- OSHA's Blood borne Pathogen Standard, 29 CFR Part 1910.1030, sets forth requirements to protect workers from occupational exposure to blood borne pathogens. The standard covers all employees, who could be reasonably anticipated as the result of performing their job duties, to face contact with blood and other potentially infectious materials. OSHA has not attempted to list all occupations where exposures could occur, however designated first aid providers are, in most cases, covered by the standard.

