

Quick Facts

About ... *Exposure to Bloodborne Pathogens*

What are bloodborne pathogens?

Bloodborne pathogens are microorganisms that may be present in blood and cause disease, such as hepatitis B virus (HBV), hepatitis C virus (HCV), and human immunodeficiency virus (HIV). Exposures occur through needlesticks or cuts from other sharp instruments contaminated with an infected person's blood or through contact of the eye, nose, mouth, or skin with infected blood.

Who is at risk for exposure?

Health care personnel are at the greatest risk for exposure to bloodborne pathogens through needlesticks or cuts. Factors affecting the risk of infection include:

- Disease organism involved
- Type of exposure
- Amount of blood involved in the exposure
- Amount of disease organism in the blood at the time of exposure
- Susceptibility of the person exposed to the disease organism

How should blood exposures be treated?

Immediately following an exposure to blood:

- Wash the affected area with soap and water
- Flush affected areas of the nose, mouth, or eyes with water or saline
- Do not squeeze or use bleach on the wound
- Contact your health care provider for follow up testing and possible treatment

Laboratories cannot test syringes or needles for HBV, HCV, or HIV viruses because there is not enough blood on the device to test. Contact your local health department regarding the safe disposal of these devices.

How are exposures prevented?

The Occupational Safety and Health Administration (OSHA) Bloodborne Pathogens standard, 29 CFR 1910.1030, requires each employer to establish an Exposure Control Plan designed to protect employees against occupational exposure to bloodborne pathogens. Exposure control plans should include procedures for reporting exposures, evaluation of risk for

infection, information about treatment, and testing of blood. Prompt reporting is crucial. This allows for immediate medical follow-up and prevention of spreading a bloodborne infection to others.

All information presented is intended for public use. For additional information about bloodborne pathogen exposure, please visit the following Web sites:

Centers for Disease Control and Prevention

<http://www.cdc.gov/niosh/topics/bbp/>

http://www.cdc.gov/ncidod/dhqp/bp_universal_precautions.html

This page was last reviewed on July 17, 2009



Indiana State
Department of Health