

Introduction

<u>KRS 311A.120</u> Education and Continuing Education - states, as a condition of being issued a certificate or license as an emergency medical technician, advanced emergency medical technician, emergency medical responder, or paramedic, the applicant shall have completed a Kentucky Board of Emergency Medical Services-approved educational course on the transmission, control, treatment, and prevention of the human immunodeficiency virus and acquired immunodeficiency syndrome with an emphasis on appropriate behavior and attilude change.

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Objectives

Upon Completion, The Participant Will Be Able To:

- 1. Identify common Bloodborne Pathogens, their harmful effects and methods of transmission.
- 2. Describe protection measures for Bloodborne Pathogens.
- 3. Describe control and prevention methods of HIV and current recognized methods of medical treatment.
- 4. Understand the purpose of an Exposure Control Plan and its components.
- 5. Understand the training and recordkeeping requirements for employees.
- 6. Understand the importance of staying current on HIV/AIDS issues.



Overview			
Pathogen: A	Microorganism That Can Cause Disease:		
Exam • Viruses • Bacteria • Fungi • Parasites	ples of Illnesses that Pathogens Cause AIDS, Hepatitis B, colds, flu, Herpes Intestinal diseases, Tuberculosis, Gonorrhea Athlete's foot, Farmer's lung, Asthma/allergies Giardiasis, Malaria, Trichinosis		
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Transmission of Bloodborne Pathogens (Continued)

Occupational Exposure: • Means reasonably anticipated skin, eye, mucous membrane, or parenteral (piercing of the skin) contact with blood or OPIM that may result from the performance of an employee's duties

Exposure Incident:

Is a specific contact with blood or OPIM that can transmit a bloodborne disease









Hepatitis B (Continued)		
<u>Clinica</u>	l Features:	
	Incubation period	Average 60-90 days Range 45-180 days
	No sign or symptoms Acute illness (jaundice)	30% 30%-50% (≥5 years old)
	Chronic infection (carrier)	2%-10% (of infected adults)
	- Premature death from chronic liver disease	15-25% (of chronically infected)
	Immunity	Protected from future infection
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Hepatitis B (Continued)

Transmission:

- Unprotected sex with multiple partnersSharing needles during injecting drug
- From infected mother to child during birth
- Sharps/needle sticks











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• Jaundice

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Hepatitis C (Continued)

Transmission:

• Injecting drug use

- Unprotected sex with multiple partners
- From infected mother to child during birth
- Sharps/needle sticks
- Blood transfusion and/or organ transplant before 1992 or from outside the U.S.

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Human Immunodeficiency Virus General Facts:

 Fragile – few hours in dry environment

- Attacks the human immune system
- Cause of AIDS
- 1.2 million infected persons in U.S.
- No cure; no vaccine available yet









Human Immunodeficiency Virus (Continued) Testing:

- The most common HIV tests use blood
- Tests using saliva or urine are also available
- All positive HIV tests must be followed up by another test to confirm the positive result.



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Human Immunodeficiency Virus (Continued) Prevention:

Not sharing needles

transmission

Use Latex / polyurethane condoms

Preventing occupational HIV transmission to healthcare workers.
HIV screening for mother-to-child





Human Immunodeficiency Virus (Continued)

Consent To Test:

KRS 214.625 - Consent for medical procedures and tests including HIV infection.

A person who has signed a general consent form for the performance of medical procedures and tests is not required to also sign or be presented with a specific consent form relating to medical procedures or tests to determine human immunodeficiency virus, infection, antibodies to human immunodeficiency virus, or infection with any other causative agent of acquired immunodeficiency syndrome that will be performed on the person during the time in which the general consent form is in effect.



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Human Immunodeficiency Virus (Continued)			
Co	nfi	dentiality:	
•	No sei wh	person who has obtained or has knowledge of a test result pursuant to this ction shall disclose or be compelled to disclose the identity of any person upon nom a test is performed, or the results of the test in a manner which permits entification of the subject of the test, except to the following persons:	
	0	The subject's legally authorized representative;	
	0	Any person designated in a legally effective release of the test results executed prior to or after the test by the subject of the test or the subject's legally authorized representative;	
	0	A physician, nurse, or other health-care personnel who has a legitimate need to know the test result in order to provide for his protection and to provide for the patient's health and welfare;	
	0	Health-care providers consulting between themselves or with health-care facilities to determine diagnosis and treatment;	
	0	The Cabinet, in accordance with rules for reporting and controlling the spread of disease, as otherwise provided by state law;	
	0	A parent, foster parent, or legal guardian of a minor; a crime victim; or a person specified in KRS 438.250.	

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Human Immunodeficiency Virus (Continued)

American with Disabilities Act:

- Persons with HIV, symptomatic or not, have physical impairments that substantially limit one or more major life activities and are, therefore, protected by the law. People discriminated against because they are regarded as being HIV-positive are also protected. For example, a person who was fired based on a rumor that he had AIDS, even if he did not, would be protected by the law.
- The ADA protects Persons who are discriminated against because they are regarded as being HIV-positive are also protected. For example, the ADA would protect a person who is denied an occupational license or admission to a school based on a rumor or assumption that he has HIV or AIDS, even if he does not.















Exposure Controls (Continued) Housekeeping:

- Maintain a clean and sanitary workplace
- 0
- Written cleaning and decontamination schedule and procedures EPA-Approved disinfectant; Bleach 0
- Contaminated waste disposal methods 0 0
- Contaminated laundry: (list items that are laundered)
- Handle as little as possible



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4.



Post-Exposure Evaluation (Continued) Employer's Responsibility:

 Provide exposed employee with copy of the evaluating health care professional's (HCP) written opinion within 15 days of completion of evaluation



 Provide employee with information about laws on confidentiality for the source individual
 Provide post-exposure treatment as needed, including counseling







