

# Universal Precautions/BSI



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# Objectives

## To understand

- **How the aids and hepatitis b viruses could be transmitted in the emergency response setting**
- **Precautions emergency responders can take to control these risks**



# Transmission Routes

- ❁ **Through open skin, including cuts, chapped, abraded or weeping"-skin, or skin having rashes or eruptions**
- ❁ **Through mucous membranes of the eye, nose or mouth; or  
In the case of hbv, through saliva from a human bite.**



# Risks are small and manageable

- ❁ **40 Aids infections of health care workers 1 death**
- ❁ **12,000 infections of HEPB300 deaths**
- ❁ **Most infections are from needle sticks**



# Transmission substances

- **Blood, semen, vaginal secretions**
- **Unknown CSP, amniotic fluid, etc.**



# Lives outside the body

- **AIDS -- a few seconds**
- **HPB -- two weeks**



# You MUST:

- ❁ **Assume all patients are infectious**
- ❁ **Avoid direct or indirect contact with bodily fluids**
- ❁ **Know the risks if you are pregnant**
- ❁ **Avoid patient care with oozing wounds or weeping dermatitis**
- ❁ **Report all exposures to pro management IMMEDIATELY**



# Universal precautions are:

- ❁ **Wash your hands after each patient contact**
- ❁ **Always use barrier devices when potential exists for contamination**
- ❁ **All contaminated waste goes into “red bag”**
- ❁ **Clean up all bodily fluids using gloves and approved cleaner**
- ❁ **Decontaminate clothes with 1:64 bleach**
- ❁ **Use a pocket mask or BVM**

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# Immunizations

## • Hep-B vaccine

- **Three shots over a seven month interval - HMOs normally pay**

## • Gamma globulin post exposure

- **Single shot**

# The End



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