

# ***BLOODBORNE PATHOGENS***

***In the educational setting  
2011***

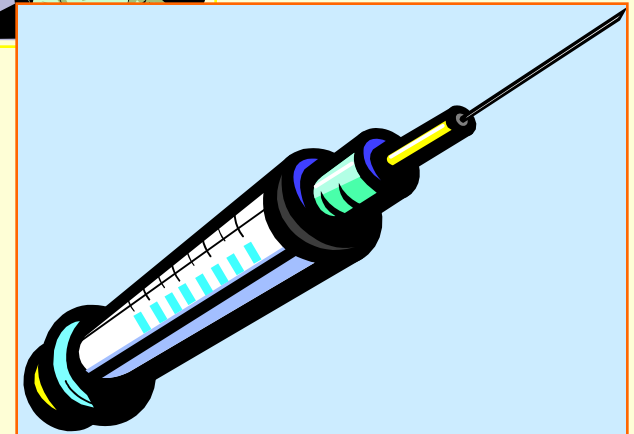
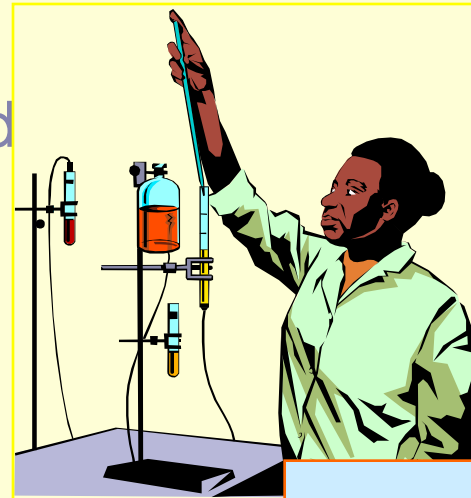


# What are Bloodborne Pathogens

- Bloodborne pathogens are organisms that survive in bodily fluids—particularly blood
- These organisms cause diseases that may lead to disabling medical conditions and....
- ....Eventually DEATH.

# Blood Borne Pathogens....

- Are Pathogens (Micro-Organisms) that are found in bodily secretions.
  - Blood
  - Semen
  - Breast Milk
- Transmitted when infected blood comes into contact with another person's bodily fluid (Must have opening into body)





# What Organisms?

- The Hepatitis B (HBV) Virus
- The Hepatitis C (HCV) Virus
- The HIV (Human Immunodeficiency Virus)



# What Disease?

- Hepatitis (both Hepatitis B and Hepatitis C) is an infection of the Liver
- Infection with HIV is related to AIDS (Auto Immuno Deficiency Syndrome) and affects the body's ability to fight infections
- Both of the above lead to long term disability and may eventually may cause death



# Signs and Symptoms

## Hepatitis

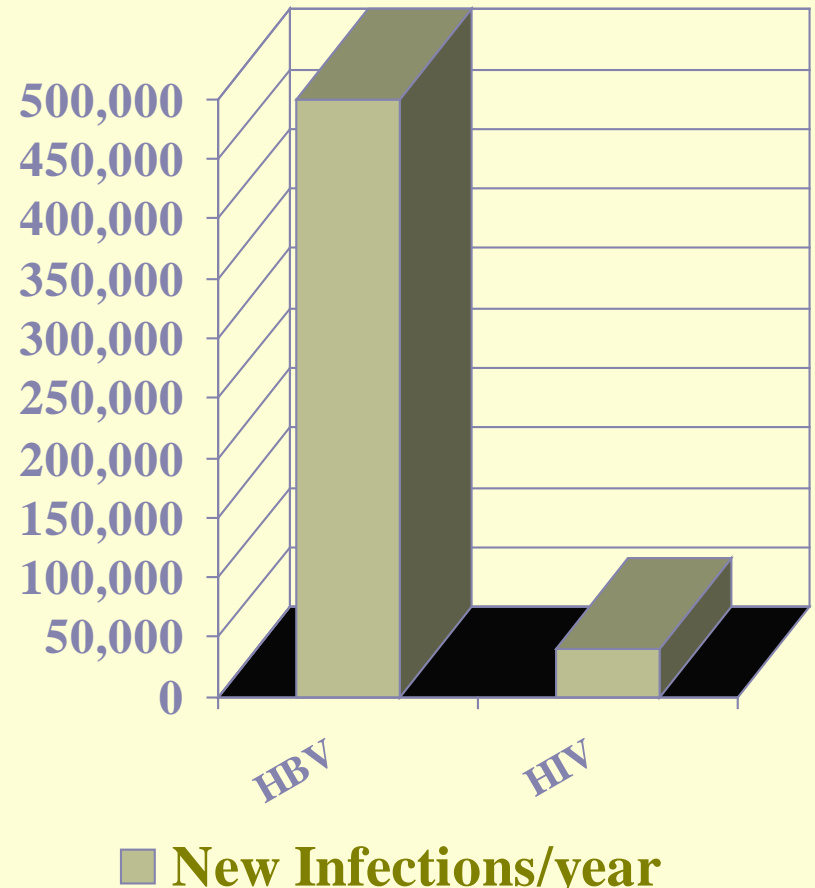
- Fatigue
- Fever
- Loss of Appetite
- Jaundice (yellow skin)
- Urine Turns dark
- Abdominal pain
- Nausea

## HIV

- Fever
- Swollen Glands
- Loss of Appetite
- Night Sweats
- Diarrhea

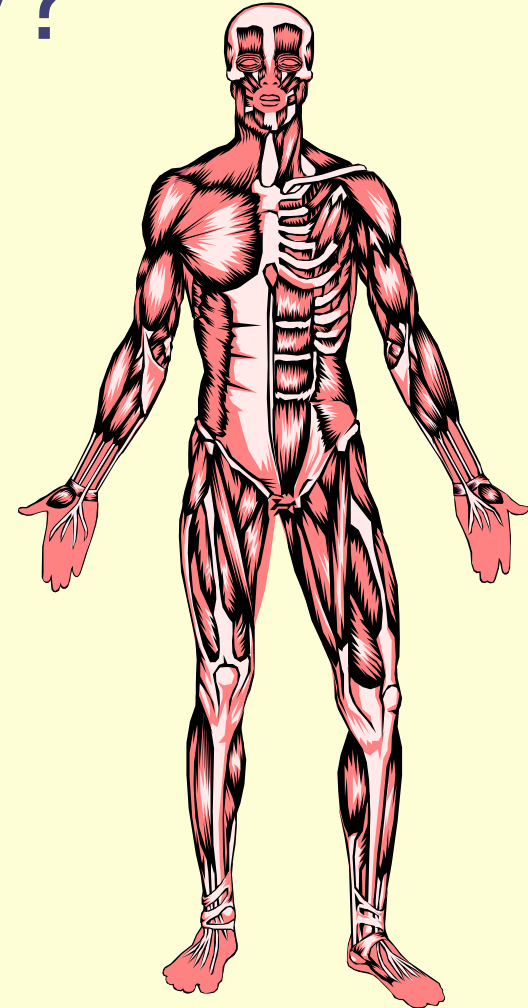
# How devastating are these illnesses?

- The number of **ANNUAL NEW HEPATITIS B INFECTIONS** in the USA is **500,000**
- **ANNUAL NEW HIV** infection rate is **40,000**



# Longevity?

- The HIV virus does not survive long outside the human body
- The HBV is much more hardy and can survive outside the human body for up to one week!





# Disease Transmission

- Bloodborne Diseases are spread by exchanging infected body fluids between persons with infection and persons without infection
- Bodily fluids that can contain bloodborne pathogens are:
  - Blood
  - Semen
  - Breast Milk
  - (tears, urine and saliva to a lesser extent)



# What can **employers** do?

- Each employer is responsible for having and implementing an Employee Exposure Plan (EEP)
- The EEP will identify those individuals at risk for exposure to HBV, HCV, and HIV and offer appropriate preventative intervention
- Employees at risk need to be trained regarding workplace safety

# BBP Training

- Includes Risk Factors
  - Those job classifications at risk
- Prevention
  - Including Personal Protective Equipment
  - Including Preventative Vaccinations
  - Knowledge of Universal Precautions
- Cleanup



# What can **employers** do?

- Employers must make available to employees Personal Protective Equipment (PPE)
- PPE includes (but is not limited) to
  - Gloves
  - Protective shoe covering
  - Protective gowns
  - Protective eyewear
  - Protective devices for CPR



# *Universal Precautions*



# Universal Precautions

- Assumes that everyone has a bloodborne pathogen (Micro-organism) that can be spread to someone else.....
- *Including YOURSELF!!!*



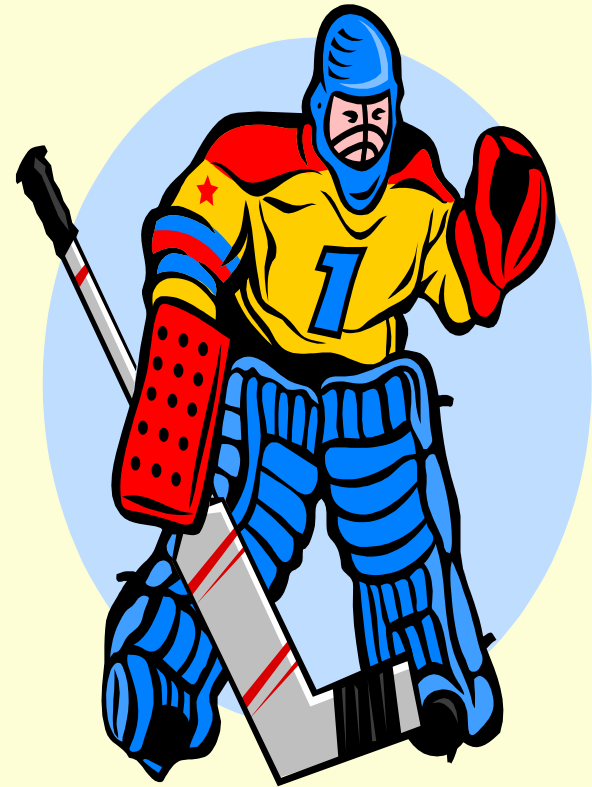
The easiest way to stop the spread of Bloodborne Pathogens and other germs?



WASH  
YOUR  
HANDS

# *Other ways to stop BLOOD BORNE PATHOGENS*

- **Wear Gloves** when dealing with potentially infectious situations
- Keep **NON-Latex** gloves handy
- Use **Personal Protective Equipment** according to your job classification



# Keeping the work area clean

- OSHA suggests using an antiviral agent when cleaning counters
- Check with the **custodian** at your school site for an approved cleanser



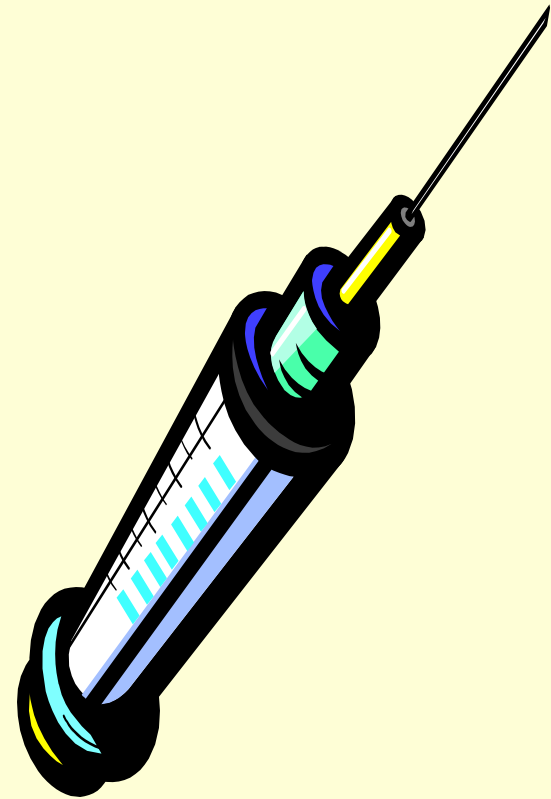
# Proper Cleanup?

- The custodial staff at your worksite is considered an expert on BBP cleanup
- Use a proper disinfectant as soon as possible
- OSHA suggests a one part bleach : ten parts water solution for cleanup (1:10)



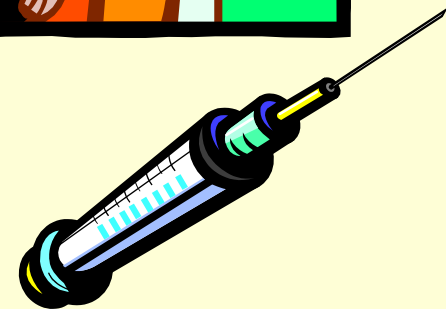
# What If?????

- What if I am accidentally exposed to potentially contaminated bodily secretions?
  - Wash with AntiViral cleanser (or soap and water) **IMMEDIATELY!**
  - Contact your immediate supervisor for further care.
    - It is part of the **Employee Exposure Plan!**



# AfterCare

- File the appropriate follow-up forms with the site supervisor
- Immediate access to medical services
- Immunization with HBV vaccination



# Preventing the Spread of Bloodborne Pathogens is EVERYONE's Responsibility



# Please Do Your Part!

