



“BID POLICY”

BLOODBORNE INFECTIOUS DISEASES POLICY

“Don’t Let Infection...
Happen to You...”





Welcome & Class Make-Up

- Your Department and Work Location
- Type of Client Contact & Age Range
- Any "First Responders"
- Any Supervisors or Managers



Session Objectives

- Provide information on HIV, Hepatitis B and Hepatitis C prevention and transmission
- Review County BID policy (highlight changes)
- Identify workplace procedures in the event of a BID exposure incident
- Identify resources for additional information regarding BID and other communicable diseases
- Meet yearly OSHA and MIOSHA requirement for training, review, and Q&A opportunity



Content Outline

- Spread of disease
- Location of policy
- HIV/Hep B & C
- Hepatitis B Vaccine
- Location of kits
- Disinfectants
- PPE
- Sharps Disposal
- Exposure Definition
- Exposure How to's – Employee
- Exposure How to's – Supervisor
- Paperwork
- Questions



Location of County BID Policy

- County Employee Website

https://employee.ewashtenaw.org/business_services/policies_procedures/policies/v1/index.html

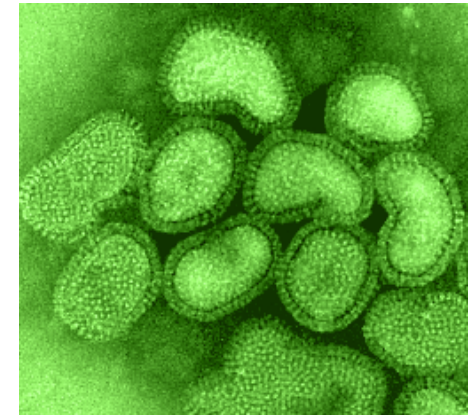
Volume 1 (General); end of the "B" section

- Public Health and Community Support and Treatment Services BID Policy on each department's shared drive



Communicable Disease

- Direct Contact
 - Head lice, pink eye, rabies, ringworm, scabies
- Fecal/Oral
 - Campylobacter, E. coli, giardiasis, hepatitis A, pinworms, salmonella, shigella
- Airborne/Droplet
 - Chickenpox, fifth disease, influenza, flu, measles, meningitis, pertussis, "mono", mumps, rubella, scarlet fever, "colds", TB
- Sexually Transmitted
 - Chlamydia, genital warts, gonorrhea, herpes
- STD & Bloodborne
 - Hepatitis B&C, HIV-AIDS





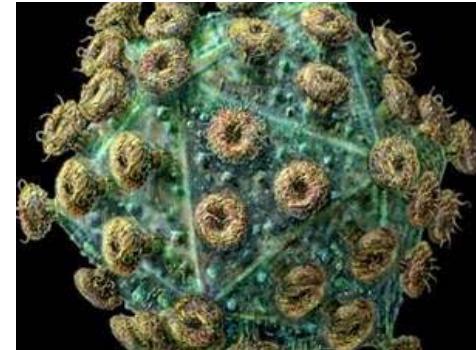
Universal Precautions

- Treat everyone the same – “universally”
- Everyone may have some “germ” that you don’t want on your skin or inside your body
- Place a barrier between you and someone else’s potentially infectious body/body fluids



Human Immunodeficiency Virus (HIV)

- No cure, no vaccine
- Transmission: oral, anal, vaginal sex with HIV+ person, exposure to needles/sharps contaminated with HIV, prenatal & breastfeeding
- Risky behaviors... early testing
- Early treatment is key to better quality of life
- Prevention: limit sex partners, be "prepared" to practice "safer" sex, avoid IV drug use





Human Immunodeficiency Virus (HIV) - Stats



- Estimated 16,200 persons in Michigan are living with HIV infection
- Estimated 550 persons in Washtenaw County living with HIV or AIDS
- Estimated 38.6 million persons worldwide living with HIV at the end of 2005
- Estimated 462,792 persons in the US living with HIV at the end of 2004

*Statistics from [World Health Organization](#), [CDC](#) and [Michigan Department of Community Health](#)



Hepatitis B Virus (HBV)

- Post-exposure treatment available
- Transmission: direct contact with infected blood or body fluids, oral/anal/vaginal sex, intravenous drug use (IVDU), tattooing, body piercing, needle sticks, birth
 - * 100 times more contagious than HIV
- Prevention: vaccine (universal infant program), limit sex partners, safer sex, avoid contaminated needles/sharps/house-hold items, or surfaces



Hepatitis B Vaccination

- Three-dose series:

- Dose #1 day 0
- Dose #2 day 30-60
- Dose #3 day 120-180



- Never need to restart series of shots
- Lifelong protection, efficacy 90% after 3 doses
- Allergy Alert: produced with yeast
- Available from health care practitioner, or through the County's Public Health Immunization Program & Adult Health Clinic



Hepatitis B - Stats

- One out of three people worldwide have been infected with Hep B
- One out of twenty people in the US have been infected with Hep B
- Chronic Infection Occur in:
 - 90% of infants infected at birth
 - 30% of children infected at age 1-5yrs.
 - 6% of persons infected after age 5 yrs.
- Death from chronic liver disease occurs in 15-25% of chronically infected persons

*Statistics from [CDC](http://www.CDC.gov) and [HepB.org](http://www.HepB.org)



Hepatitis C Virus (HCV)

- No vaccine, drug treatment trials on-going
- Transmission: direct contact with infected blood or body fluids, including blood transfusions or clotting factors prior to 1992
- Chronic infection often leads to liver failure
- Prevention: avoid injection drug use, contaminated needles/sharps/household items, limit sex partners, safer sex



Hepatitis C - Stats

- Estimated 3.9 million in the US are infected with Hep C, of these 2.7 million are chronically infected
- Chronic infection occurs in 55-85% of infected persons
- Chronic liver disease occurs in 70% of chronically infected persons
- Death from chronic liver disease occurs in 1-5% of chronically infected persons

*Statistics from [CDC](#)



Engineering Controls

- Equipment/controls that isolate or remove the BID Hazard from the workplace
- Examples: disinfectants, hand sanitizers, sharps disposal containers, safer medical devices with engineered sharps injury protections (self-sheathing needles, retractable needles/lancets...), safety shields/covers on moving parts
- Regularly scheduled user evaluation of available products



Personal Protective Equipment (PPE)

- Universal Precautions
- Gloves – non-latex, latex, vinyl, plastic
- Protective eyewear, face shields, masks
- CPR mask with one-way valve
- Disposable face shields
- Reusable face masks
(valves replaced after each use, masks annually)
- Resuscitation bag
- Lab coats, gowns, aprons, extra set of clothing
- PPE available through Moore Medical
800-234-1464



Workplace Incident Examples

- Contaminated needle/sharps stick
- Human bite that breaks the skin
- Open skin exposure to blood/**OPIIM**
(**O**therwise **P**otentially **I**nfectious **M**aterial)
- Eye, nose, mouth exposure to blood/**OPIIM**
- Exposure to bloody urine, feces, vomit
- Other worksite specific examples...



Workplace Non-Incident Examples

- Clean needle/sharps stick
- Human bite that does not break the skin
- Intact skin exposure to blood/**OPIIM**
- Urine, feces, vomit exposure/contamination
- "Sloppy" kiss on face/neck
- Other worksite specific examples...



Clean-Up Kits: Suggested Contents

- Zip-lock plastic baggie
- Two pair of gloves (non-latex/latex/vinyl)
- Absorbent material (paper towels, napkins)
- Antiseptic towelettes/sanitizer/disinfectant
- Bandages
- Red biohazard bag (regulated waste only)



Clean-Up Process

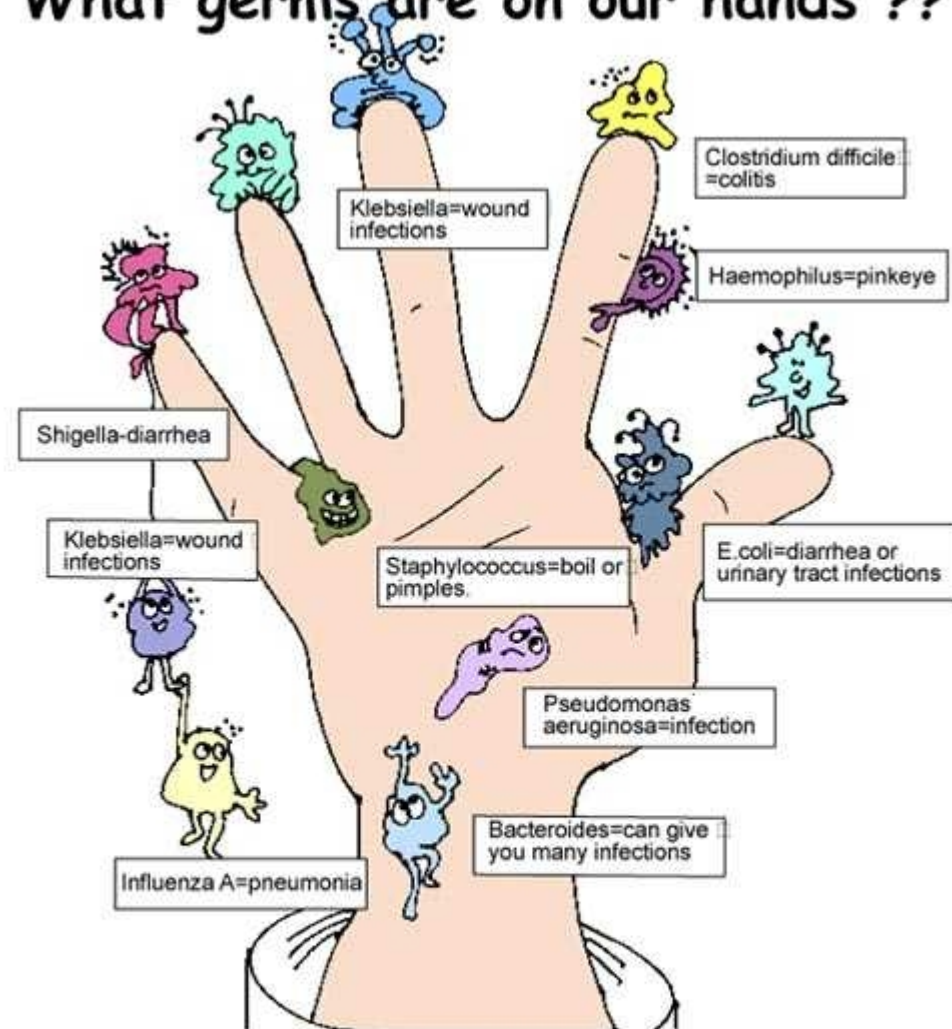
- Promote/facilitate self-care for injured person
- Remove items from kit and prepare disposal bag
- Put on gloves
- Assist with injury, as needed
- Clean/wash contaminated area, then disinfect
- Take off gloves
- Seal disposal bag, place in wastebasket
(biohazard bags in biohazard collection bins)
- 20 • Wash/sanitize hands



What germs are on our hands ??



Hand Washing



Don't spread these germs! Wash your hands after going to the bathroom and before eating!

Handwashing is the single most important thing you can do to stop the spread of infection! This message brought to you by Fairmont General Hospital. Visit our web site at www.fghi.com or www.labs.net/schools/marion/mms/health.htm



Exposure "How-To's": Employee

- Wash/flush exposed area with soap/water
- Contact supervisor/manager immediately, arrange for work release
- Go for medical evaluation (if post-exposure treatment recommended, works best if started within 4 hours)
- Provide accurate information re: exposure incident (who, what, where, when, how...)



Exposure "How-To's": Supervisor

- Provide support to staff
- Arrange for immediate work release
- Obtain source individual's HIV/HBV/HCV status, or facilitate blood testing process
- Complete documentation/forms
- Provide additional relevant info as needed
- Check Supervisor's BID Post-Exposure



Paperwork

- Employer Authorization for Treatment
- WC Supervisor's Report of Accident (employee)
- WC Incident Report Form (Public)
- Departmental Incident Report Form
- Suggestion: Supervisor's Checklist
- County Safety Website:

https://employee.ewashtenaw.org/individual_employee_services/employee_safety



Resource Staff

- Public Health Communicable Disease Program: 544-6770
- Risk Management 222-6755
- Hep B Vaccination Admin. 222-6823
- Help Desk 222-3737

Forms online at:

https://employee.ewashtenaw.org/individual_employee_services/employee_safety



Website Resources

- www.cdc.gov/ncidod (infectious disease info)
- www.hepfi.org (hepatitis A, B, and C info)
- www.hepB.org (hepatitis B info)
- www.osha.gov/SLTC/bloodborne pathogens
- www.cdc.gov/niosh (occupational health)
- ehs.ucdavis.edu/sftynet/sn-51.cfm
(selecting chemical disinfectants)
- <https://employee.ewashtenaw.org> (safety)



Homework Assignment

- Locate and bookmark BID Policy
- Locate the nearest BID clean-up kit; find out who is responsible for monitoring contents (order replacement supplies from Help Desk)
- Locate and determine how to access your worksite custodial closet for clean-up disinfectant/supplies
- Locate the nearest red biohazard collection bin



Questions?

Washtenaw County provides a Question and Answer reference service for you

If you have questions related to this training during routine business hours, please contact the Public Health Communicable Disease Program at:

734-544-6770

After hours, please contact the Communicable Disease on-call nurse at

734-891-4327



Proper Coughing Technique



<http://www.coughsafe.com/media.html>

2007 Bloodborne Infectious Disease Training Quiz True or False

1. Washtenaw County's Bloodborne Infectious Disease (BID) Policy is located on the Employee website.
2. Universal Precautions implies that you treat all persons as if they are infected with HIV, hepatitis B virus, or some other germ.
3. HIV, hepatitis B and hepatitis C can be transmitted through small openings in the skin.

2007 Bloodborne Infectious Disease Training Quiz True or False

4. There is an effective vaccine to prevent HIV infection.
5. Washtenaw County will not provide personal protective equipment if you are responding to a work-related BID incident.
6. Non-managerial “front-line” employees should be involved in the engineering control/safety product evaluation process.

2007 Bloodborne Infectious Disease Training Quiz True or False

7. Alcohol-based hand sanitizer products are approved for use when a sink with soap and running water is not easily accessible.
8. Contaminated surfaces should be cleaned first and then treated with an appropriate disinfectant according to the directions on the label
9. BID incident clean-up materials must be disposed of in a red biohazard bag.

**2007 Bloodborne Infectious Disease
Training Quiz
True or False**

10. A supervisor/manager must be notified of a work-related BID exposure incident in order to grant immediate release time for timely medical follow-up.

2007 Bloodborne Infectious Disease Training Quiz True or False

1. Washtenaw County's Bloodborne Infectious Disease (BID) Policy is located on the Employee website. **TRUE**
2. Universal Precautions implies that you treat all persons as if they are infected with HIV, hepatitis B virus, or some other germ. **TRUE**
3. HIV, hepatitis B and hepatitis C can be transmitted through small openings in the skin. **TRUE**

2007 Bloodborne Infectious Disease Training Quiz True or False

4. There is an effective vaccine to prevent HIV infection. **FALSE**
5. Washtenaw County will not provide personal protective equipment if you are responding to a work-related BID incident. **FALSE**
6. Non-managerial “front-line” employees should be involved in the engineering control/safety product evaluation process. **TRUE**

2007 Bloodborne Infectious Disease Training Quiz True or False

7. Alcohol-based hand sanitizer products are approved for use when a sink with soap and running water is not easily accessible. **TRUE**
8. Contaminated surfaces should be cleaned first and then treated with an appropriate disinfectant according to the directions on the label. **TRUE**
9. BID incident clean-up materials must be disposed of in a red biohazard bag. **FALSE**

**2007 Bloodborne Infectious Disease
Training Quiz
True or False**

10. A supervisor/manager must be notified of a work-related BID exposure incident in order to grant immediate release time for timely medical follow-up. TRUE