

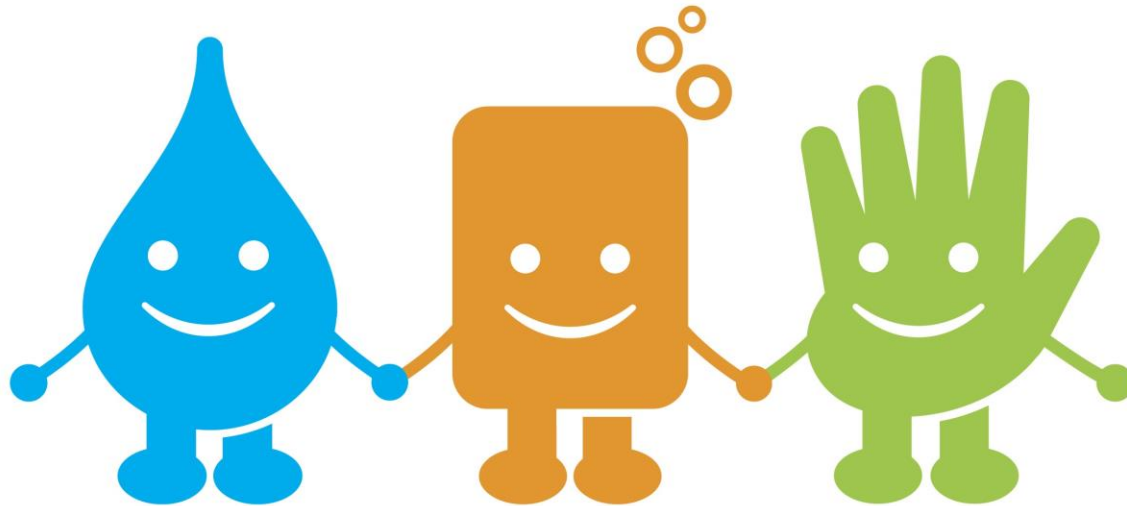
INFECTION CONTROL

Training



WASH YOUR HANDS!

Did you know that handwashing is the single most effective way to prevent the transmission of disease? It has been well documented in the last century and has become best practice in the medical field.



INFECTION CONTROL IN HEALTHCARE FACILITIES

- Cleaning, disinfecting, and sterilizing (in order from least to most effective)
 - Disinfecting is using chemicals at room temperature. It is less effective and does not kill bacterial endospores.
 - Sterilization kills all microorganisms and is the most effective. It typically involves heat, steam, or liquid.
- Personal protective equipment (PPE)
 - Specialized clothing or equipment worn by worker for protection against a hazard
 - Ex: disposable gloves, respirators, face masks, etc)
 - Required by OSHA to guard against blood borne pathogens



INFECTION CONTROL IN HEALTHCARE FACILITIES



- Vaccination—HBV vaccine is safe for pregnant women
- Hand hygiene
- Post-exposure prophylaxis—antiretroviral meds are available for HIV and should be given *within hours* of exposure
- Surveillance for emerging infections



FACTORS IN THE RISK OF INFECTION

- Pathogen involved
- Type of exposure
- Amount of blood involved in the exposure
- Amount of virus in the patient's blood

Follow best practices and safety procedures to reduce your risk.



OCCUPATIONAL RISK OF INFECTION AFTER SINGLE EXPOSURE

- Hepatitis B:
 - 6-30% for susceptible people
 - Nearly 0% for vaccinated people—**getting vaccinated pre-exposure is critical**
 - No known risk for intact skin exposure
- Hepatitis C:
 - Average of 1.8% risk after a needlestick or cut exposure
- HIV:
 - 99.7% of needlestick or cut exposures do not lead to infection
 - Risk is closer to 0.1% (1 in 1,000) for other types of exposure



THE POWER OF PREVENTION

- There are no vaccines available for HCV or HIV.
- There are limited treatment options for these diseases post-exposure.
- Following procedures is the best way to prevent exposure and limit your risk of infection.

