Objectives

At conclusion of in-service learners will:

1. Identify two types of personal protective equipment.
2. Identify two prevention measures for Hepatitis B.
3. Identify where a copy of Exposure Control Plan can be located.
4. Describe three steps to follow if an exposure occurs.
5. Recall where employees can receive treatment for an exposure and/or a Hepatitis B vaccine.
Definition

- Bloodborne pathogens are a disease producing agent such as a virus, bacterium, or microorganism that is carried in the blood and other bodily fluids.

- Bloodborne pathogens include Hepatitis B Virus (HBV), Hepatitis C Virus (HCV), and Human Immunodeficiency Virus (HIV)
Epidemiology

- **Hepatitis B (HBV)** -
  1.4 million Americans are living with a chronic infection and each year 43,000 more will become infected.

- **Hepatitis C (HCV)** -
  3.2 million American are living with a chronic infection and each year 17,000 more will become infected.

- **Human Immunodeficiency Virus (HIV)** -
  1.1 million American are infected and 21% of these are not aware of it (CDC, 2009).
Modes of Transmission

1. Blood
2. Human bite
3. Semen
4. Vaginal secretions
5. Contaminated needles or sharp instruments
6. Infected mother to newborn
Exposures

- Exposures occur through needle sticks or cuts from sharp instruments, or through contact with the eyes, nose, mouth, and compromised skin with infected blood or body fluids (CDC, 2009).

- Feces, nasal secretions, saliva, sputum, sweat, tears, urine, and vomit are not considered infectious unless they contain blood. Transmission risk from these bodily fluids is extremely low (Morbidity and Mortality Weekly Report, 2001).
Symptoms

- May have no symptoms.
- Fever
- Fatigue
- Loss of appetite
- Nausea & Vomiting
- Abdominal pain
- Dark urine
- Clay colored stool
- Joint pain
- Jaundice
Prevention

- Good hand washing
- Use of personal protective equipment (PPE)
- Hepatitis B vaccine
- Safer sex practices
Personal Protective Equipment (PPE)

1. Gloves
2. Safety goggles
3. Face Shield
4. Smocks
Hepatitis B Vaccine

- A series of three injections given at 0, 1, & 6 month intervals.
- Most people have no side effects to the vaccine.
- Santa Clarita Quality Care (SQC) will give the vaccines free of charge to all employees of William S. Hart UHSD. Injection fee of $15.00 will be reimbursed when receipts are turned into Kathy Bishop at the District Office.
Santa Clarita Quality Care

Address:

23823 Valencia Blvd. Suite 160
Valencia, Ca. 91355

Phone 254-0026
Fax 254-1773
Blood or Body Fluid Spills

- Large spills should be cleaned up by the custodian utilizing disinfectant/decontamination chemicals.

- Small spills can be cleaned up with gloves and a disinfectant wipe.
School Exposure Plan

- Seek treatment immediately at Santa Clarita Quality Care if an exposure occurs. Call Company Nurse at (877) 223-9307 to report Workers Compensation.

- Post exposure incidence report forms and/or sharps injury log need to be filled out in a timely nature by employee and supervisor.

- These forms can be found in the Bloodborne Pathogen Exposure Control Manual located in Health Office.
Do you know?

- Hepatitis A (HAV) is not a bloodborne pathogen and is transmitted through fecal contaminated food or drink.
- There is a vaccine available for Hepatitis A but not Hepatitis C.
- Wear gloves and other PPE when it is reasonably anticipated you hands, eyes, mouth, and nose may come in contact with blood or body fluids.
- Personal protective equipment is located in the health office.
- HBV is contraindicated for people with a severe baker’s yeast allergy.
- Recommendations for post-exposure management of any unvaccinated person includes initiation of the Hepatitis B vaccine series.
Pregnant women should only be vaccinated when clearly needed and caution should be observed when vaccinating nursing mothers for the HBV (Merck & Co. Inc., 2007).

Booster doses are not recommended on a routine basis for people with a normal immune system.

State law requires students to be vaccinated for Hepatitis B but exemptions to this law do exist.

There is a two-dose Hepatitis B vaccine regimen available to adolescents ages 11-15 years.

Human bites are considered an exposure to both the one bitten and the inflictor of the bite.
Contact Information

- Deborah Massarellla RN, MSN 250-0022, ext. 420
- Christine Amstutz RN, MN 259-0033, ext. 368
- Alison Schmidt RN, MSN 297-3900, ext. 3169
- Mike Cuesta RN, BSN 295-3700, ext. 1123
References


References


Quiz and Informational Check-off

Please follow “[link]" to Hepatitis B vaccine confirmation or declination page and check off which applies. Add name, date, and job location/title.

Once completed click “send.”

Thank you for completing this mandatory in-service.