**Objectives**
Upon completion of this activity, participants should be better able to:

1. Discuss the epidemiology of HIV/AIDS;
2. Summarize modes of transmission of HIV infection;
3. List methods of prevention and infection control practices for HIV infection;
4. Describe the HIV lifecycle and clinical management of HIV infection; and
5. Review HIV testing-related requirements of the Florida Omnibus AIDS Act.

**Post-test/Rationale**

1. **Which subpopulation in the United States has the highest number of new HIV infections, according to data from Centers for Disease Control and Prevention?**
   - A. Hispanics
   - B. White male injection drug users
   - C. Men who have sex with men***
   - D. Black heterosexual men

   **Correct Answer: C**
   Answer is located in Figure 1.

2. **According to 2012 data, the state of Florida ranked _______ nationally in the total number of adults living with HIV infection as well as the number of newly diagnosed AIDS cases.**
   - A. First
   - B. Second
   - C. Third***
   - D. Fourth

   **Correct Answer: C**
   Florida ranked third nationally in the number of individuals living with HIV infection as well as the number of newly diagnosed AIDS cases.

3. **Which of the following behaviors can increase the risk of acquiring HIV?**
   - A. Having sex with multiple partners
   - B. Injection drug use
   - C. Avoiding infection control preventive measures
   - D. All of the above***

   **Correct Answer: D**
   Having sex with multiple partners, injection drug use, and avoiding infection control practices increases the risk of acquiring HIV infection.
4. HIV is transmitted by all of the following means, EXCEPT:
   A. Blood
   B. Semen
   C. Toilet seats***
   D. Breast milk

Correct Answer: C
HIV infection is not thought to be spread by way of: air or water; saliva, tears, or sweat; casual contact, toilet seats; or insects.

5. Which of the following is the only FDA-approved pre-exposure prophylaxis (PrEP) medication for HIV infection?
   A. Tenofovir/Abacavir
   B. Tenofovir/Sustiva
   C. Tenofovir/Emtricitabine***
   D. Tenofovir/Nelviripine

Correct Answer: C
Tenofovir/emtricitabine is the only FDA-approved medication for PrEP

6. The U.S. Public Health Service Working Group recommends for a postexposure prophylaxis regimen to be started as soon as possible after significant exposure (within 72 hours) and continued for what duration of time?
   A. 1 week
   B. 2 week
   C. 3 weeks
   D. 4 weeks***

Correct Answer: D
PEP regimens should be continued for a 4-week duration.

7. Generally speaking, antiretroviral drugs inhibit which steps of the HIV lifecycle?
   A. Entry into a human host cell
   B. The activity of the enzyme reverse transcriptase
   C. The activity of the enzyme integrase
   D. The activity of the enzyme protease
   E. All of the above***

Correct Answer: E
HIV drugs work by inhibiting cell entry and via inhibition of the enzymes reverse transcriptase, integrase, and protease.
8. **Which of the following statements is NOT correct regarding informed consent according to Florida law?**
   A. Informed consent must be written***
   B. Minors in the state of Florida are considered adults for the purposes of informed consent
   C. Health care providers who perform HIV testing without consent are subject to discipline
   D. None of the above

**Correct Answer: A**
When a patient agrees to HIV testing, it does not have to be in writing; a health care provider can document in the chart that a patient has agreed to testing.

9. **If a preliminary HIV test result is positive, the Omnibus AIDS Act indicates:**
   A. The infected individual must be notified immediately—no additional tests are needed
   B. A second confirmatory test is required before the patient can be informed of the result***
   C. The patient must wait 7 days and return for repeat testing
   D. None of the above

**Correct Answer: B**
The Omnibus AIDS Act indicates that a second confirmatory test is required before notifying patients of a test result.

10. **Health care providers who perform HIV testing must report all positive test results to:**
    A. The hospital administrator
    B. The board of pharmacy
    C. The health department***
    D. Centers for Disease Control and Prevention

**Correct Answer: C**
All HIV positive test results must be submitted to the health department.