HIV Training Learning Objectives

Session 1: Global and Regional Epidemiology of HIV/AIDS

- Explain HIV transmission modes.
- Discuss global and regional epidemiology of HIV.
- Explain the relationship between sexually transmitted infections (STIs) and HIV.
- Outline epidemiological overlap between HIV and TB.
- Outline strategic objectives and prevention strategies of the Pacific response to HIV and STIs.
- Discuss the importance of HIV surveillance

Session 2: Pathogenesis of HIV Infection

- Describe the natural history of HIV infection.
- Discuss the diagnosis of HIV infection in infants and children.
- Discuss the WHO clinical staging system of HIV infection for adults and adolescents.
- Discuss the WHO clinical staging system of HIV infection in infants and children.
- Discuss the clinical evaluation of patients infected with HIV.

Session 3: HIV Testing and Counselling Strategies

- Define the aims and objectives of different types of HIV testing.
- Provide an overview of pre- and post-HIV test counselling.
- Discuss current HIV testing strategy in the Pacific.
- Discuss the management of patient flow in voluntary confidential counseling and testing (VCCT) and diagnostic services.
- Discuss the importance of contact tracing.
- Discuss the importance of addressing stigma and discrimination in health care settings.

Session 4: Principles of Antiretroviral Therapy

- Explain the key steps of the HIV replication cycle.
- Relate the stages of viral replication to the sites of action of antiretroviral drugs.
- Describe the goals of antiretroviral therapy (ART).
- Discuss the importance of preparing the patient for ART.
- Discuss the indications for ART and when to start ART.
- Describe the baseline clinical evaluation for initiation of ART.
- Discuss the WHO/OSSHHM recommended first-line regimens.

Session 6: Antiretroviral Drug Toxicities

- Describe class specific and individual drug toxicities of antiretroviral agents.
- Based on interactive case scenarios provided, identify and manage antiretroviral drug toxicities.
- Discuss WHO/OSSHHM recommendations for drug substitution.

Session 7: Clinical and Laboratory Monitoring of HIV Infection

- Discuss the clinical and laboratory monitoring of HIV-infected patients not eligible for ART.
- Explain the importance of clinical and laboratory monitoring of patients on ART.

- Describe the clinical and laboratory parameters used in monitoring patients on ART.
- Discuss the importance of adherence counseling for ART.
- Define clinical, immunological and virological failure.
- Discuss WHO/OSSHHM recommendations for second-line regimens.
- Discuss the importance of collecting information for patient monitoring on ART.

Session 8: Prevention of mother-to-child transmission of HIV

- Discuss the four prongs (pillars) of PMTCT.
- Explain the modes and risk factors for mother-to-child transmission of HIV (PMTCT).
- Discuss antiretroviral regimens for PMTCT.

Session 9: Opportunistic Infections and Other-Related Conditions

- Describe the features in a clinical history or examination that might suggest underlying HIV infection.
- Identify common opportunistic infections and other-related conditions.
- Discuss the management of common opportunistic infections.
- Discuss the management of TB/HIV co-infection and develop strategies for TB and HIV collaborative program.

Session 10: Advanced Issues in the Management of HIV Infection

- Define and discuss the management of immune reconstitution syndrome (IRS).
- Discuss long-term ART and metabolic syndrome.

Session 11: Standard Precautions and Post-Exposure Prophylaxis

- Define and explain the rationale of standard (universal) precautions.
- Outline strategies for infection control in health care settings for blood-borne pathogens (specifically HIV and hepatitis B).
- Discuss the post-exposure prophylaxis management in different clinical situations.

Session 12: Continuum of Care for People Living with HIV (PLHIV)

- Describe the concept of continuum of care for PLHIV.
- Explain the building blocks of establishing a continuum of care framework for PLHIV.
- Identify the roles and responsibilities of the different stakeholders of the continuum of care for PLHIV.
- Formulate strategies to develop a continuum of care framework for PLHIV.