



South Central Public Health Partnership

TRAINING PROFESSIONALS TO PROTECT THE PUBLIC

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Bioterrorism Preparedness: Infectious Disease Transmission Dynamics

Instructor: Hussain R Usman, MD, MS, DrPH Student

This course will introduce participants to basic concepts and terminology of infectious disease transmission dynamics. Course topics include: transmission dynamics of infectious diseases; identification of the main reservoirs, sources, ports of entry, and ports of exit of human pathogens; the relations between microorganisms and humans; the routes of infectious disease transmission; emerging vector-borne infections; emerging and reemerging sexually transmitted diseases; foodborne and waterborne diseases; and the implications of food supply globalization on the emerging infections. **Nursing CEU's will be available (7.2 contact hours). Social Work CEU's will be available (6.0 contact hours).**

Learning Objectives

- Describe the transmission dynamics of infectious diseases
- Identify the main reservoirs, sources, ports of entry, and ports of exits of human pathogens
- Understand the complexity and dynamic nature of the relations between microorganisms and humans
- Understand the routes of infectious disease transmission
- Be familiar with emerging vector-borne infections
- Be acquainted with emerging and re-emerging sexually transmitted diseases
- Be familiar with foodborne and waterborne diseases

Competencies

- Describe the public health role in emergency response in a range of emergencies that might arise.
- Recognize unusual events that might indicate an emergency and describe appropriate action (e.g., communicate clearly within the chain of command.)

**Bioterrorism and Emergency Readiness*

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