

ESSENTIAL SERVICE #2: Diagnose and investigate health problems and health hazards in the community

KS-TRAIN courses: <http://ks.train.org>. You must create an account in order to enroll in a course.

Community Tool Box (CTB) <http://ctb.ku.edu/> These are tool kits with valuable resource information for increasing competency.

The **Kansas Core Public Health Program** <http://www.waldcenter.org/cph/index.html> is a year long program that covers topics related to all Public Health Essential Services.

These **tier 2 core competencies** are for the "mid tier" public health professional. A mid tier public health professional is an individual with an MPH (or related degree) and at least 5 years experience working in the public health field, or an individual without an MPH but at least 10 years experience working in the public health field. The guidance on tiers 1 through 3 can be found at: <http://www.phf.org/link/CCs-matrix.pdf>.

TRAINING FOR ESSENTIAL SERVICE

[Outbreak at Water's Edge, A Public Health Discovery Game](#)

[Essential Service #2 Toolkits: Analyzing Problems and Goals and Developing an Intervention](#)

[Kansas Core Public Health Program](#)

Indicators for Essential Service #2

Use new technologies and communication systems to support surveillance and investigation activities.

Perform functions that allow you to implement procedures that alert the community of possible health threats and hazards.

Perform functions that have a role in the development of written epidemiologic case investigation protocols for immediate investigation of communicable disease outbreaks, environmental health hazards, chemical and biological agent threats, radiological threats, and large scale disasters.

Perform functions that have a role in maintaining guidelines or protocols to address the handling of lab samples that define procedures for storing, collecting, labeling, transporting, and delivering lab samples and for determining the chain of custody regarding the handling of samples.

TRAINING FOR COMPETENCIES

Analytic/Assessment Skills

[Introduction to Assessment](#)

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| 1 | Assesses the health status of populations and their related determinants of health and illness |
| 2 | Describes the characteristics of a population-based health problem |
| 3 | Selects variables that measure public health conditions |

4	Uses methods and instruments for collecting valid and reliable quantitative and qualitative data
5	References sources of public health data and information
6	Evaluates the integrity and comparability of data
7	Identifies gaps in data sources
8	Employs ethical principles to the collection, maintenance, use, and dissemination of data and information
9	Interprets quantitative and qualitative data
10	Makes community-specific inferences from quantitative and qualitative data
11	Uses information technology to collect, store, and retrieve data
12	Utilizes data to address scientific, political, ethical, and social public health issues
Policy Development/Program Planning Skills	
Quarantine and Isolation	
Public Health Emergency Management: Powers for Responding to Pandemic Flu	
1	Analyzes information relevant to specific public health policy issues
2	Articulates policy options
3	Determines the feasibility and expected outcomes of policy options
4	Articulates the implications of policy options
7	Develops a plan to implement policy and programs
9	Develops mechanisms to monitor and evaluate programs for their effectiveness and quality
10	Incorporates public health informatics practices
11	Develops strategies for continuous quality improvement
Communication Skills	
Improving Interpersonal Communication and Relationships	
Pandemic Influenza - Communications and Administrative Tools	
Creating a Crisis /Emergency Risk Communication Plan Using the CDCynergy Tool	
1	Assesses the health literacy of populations served

2	Communicates in writing and orally, in person, and through electronic means, with linguistic and cultural proficiency
4	Utilizes a variety of approaches to disseminate public health information
5	Presents demographic, statistical, programmatic, and scientific information for use by professional and lay audiences
6	Applies communication strategies in interactions with individuals and groups
Cultural Competency Skills	
WALD: Cultural Competency Module I	
WALD Cultural Competency Module II	
HIV Cultural Diversity Training	
1	Incorporates strategies for interacting with persons from diverse backgrounds
4	Explains the dynamic forces that contribute to cultural diversity
Community Dimensions of Practice Skills	
Community Partnerships and Perspectives - Intermediate Level	
1	Assesses community linkages and relationships among multiple factors (or determinants) affecting health
6	Uses group processes to advance community involvement
8	Negotiates for the use of community assets and resources
9	Uses community input when developing public health policies and programs
Basic Public Health Sciences Skills	
Orientation to the Essentials of Public Health: Intermediate Level	
E is for EPI, Session I, Part 1: Epidemiology in the Context of Public Health	
E is for EPI, Session IV, Part I: Surveillance	
Environmental Health Online, An Introduction to Environmental Health	
4	Applies the basic public health sciences to public health policies and programs
5	Conducts a comprehensive review of the scientific evidence related to a public health issue, concern, or, intervention
Financial Planning and Management Skills	
CTB Toolkit, Writing a Grant Application For Funding	

Public Health Financial Management	
5	Develops a programmatic budget
6	Manages programs within current and forecasted budget constraints
7	Develops strategies for determining budget priorities
8	Evaluates program performance
10	Prepares proposals for funding from external sources
11	Applies basic human relations skills to the management of organizations, motivation of personnel, and resolution of conflicts
Leadership and Systems Thinking Skills	
Kansas Public Health Leadership Institute(KPHLI)	

[CTB Toolkit: Developing Strategic and Action Plans](#)

1	Incorporates ethical standards of practice as the basis of all interactions with organizations, communities, and individuals
3	Participates with stakeholders in identifying key values and a shared vision as guiding principles for community action
4	Identifies internal and external problems that may affect the delivery of essential public health services

RESOURCES FOR ESSENTIAL SERVICE #2

Diagnose and investigate health problems and health hazards in the community

- 1. Kansas Bureau of Surveillance and Epidemiology:**
<http://www.kdheks.gov/epi/index.html>
 - Infectious Disease Statistics/Outbreak Reports
 - Disease Protocols
 - Disease Reporting for Health Professionals
 - Regulations and Statutes
 - Statistics/Outbreak Reports
- 2. Kansas Public Health Alert Network:**
<https://kshealth.kdhe.state.ks.us/HealthAlertNetwork/default.aspx>

Health Alert Network is part of the Kansas Department of Health and Environment's Bioterrorism Planning and Response effort. CDC provides funding for the HAN as part of an effort to create nationwide, integrated information and communications system. The Health Alert Network supports: Preparedness planning Disease surveillance and epidemiologic investigation Electronic laboratory test reporting Emergency communications, and Professional workforce training.
- 3. Emerging Infectious Diseases.** monthly journal by the CDC:
<http://www.cdc.gov/ncidod/EID/index.htm>
- 4. Project Public Health Ready:** <http://www.naccho.org/topics/emergency/pphr.cfm>

Project Public Health Ready (PPHR) is a collaborative activity between NACCHO and the Centers for Disease Control and Prevention. The vision is: Local health departments (LHDs) will be fully integrated into the response community and prepared to respond to any health and medical emergency in partnership with community-based organizations.
- 5. CDC Emerging Infectious Diseases:** <http://www.cdc.gov/ncidod/EID/vol9no10/03-0231.htm>
- 6. Kansas Public Health Directory:**
http://www.kdheks.gov/olrh/download/health_directory.pdf
- 7. Kansas Law Enforcement Agencies:**
http://crime.about.com/od/agencies/a/agencies_ks.htm
- 8. CDC Division of Informatics Shared Services:**
<http://www.cdc.gov/ncphi/diss/nndss/phs.htm>
 - Surveillance resource material – Powerpoint, Epi Info, Notifiable Diseases, MMWR query
 - Phone Triage Protocol, Guidance and templates for public alerts, advisories and updates.

9. **Kansas Veterinarians Directory:** <http://kansas.uscity.net/Veterinarians/>
10. **Kansas Health and Environment Laboratories:** <http://www.kdheks.gov/labs/>,
Forbes Field, Building 740, Topeka, Ks. 66620-0001
Phone: (785) 296-1535 FAX: (785) 296-1641
11. **Public Health Emergency Response: A Guide for Leaders and Responders:**
<http://www.hhs.gov/disasters/press/newsroom/leadersguide/index.html>