

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

KS-TRAIN courses: <http://ks.train.org>. Enroll by the course number.
Public Health Learning.com (PHL) courses:
<http://www.publichealthlearning.com/Personal/>. Enroll by the course number.

All **Core Public Health Competencies** are ideally found at the **Advanced level** in each local health department. The Competencies highlighted in **yellow** could be met at the **Advanced level** regionally vs. locally when the **Essential Service** is being provided as a **regional effort**.

TRAINING FOR ESSENTIAL SERVICE

Awareness level training for many competencies in Essential Service # 2

KS- TRAIN: Outbreak at Water's Edge, A Public Health Discovery Game, (Course # 1010246)

Knowledgeable level training for many competencies in Essential Service # 2

Essential Service #2 Toolkits: Analyzing Problems and Goals and Developing an Intervention,
http://ctb.ku.edu/en/tablecontents/sub_section_main_1804.htm

CPH Course, KU School of Med - W

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

KS-Train: Introduction to Assessment, (Course # 1001458)

PHL PH 412 Understanding and Measuring Health

1 | Defines a problem

2	Determines appropriate uses and limitations of both quantitative and qualitative data
3	Selects and defines variables relevant to defined public health problems
4	Identifies relevant and appropriate data and information sources
5	Evaluates the integrity and comparability of data and identifies gaps in data sources
6	Applies ethical principles to the collection, maintenance, use, and dissemination of data and information
7	Partners with communities to attach meaning to collected quantitative and qualitative data
8	Makes relevant inferences from quantitative and qualitative data
9	Obtains and interprets information regarding risks and benefits to the community
10	Recognizes how the data illuminate ethical, political, scientific, economic, and overall public health issues

Policy Development/Program Planning Skills

PHL PH 431 What is Public Health Policy, Advocacy & Law?

KS-TRAIN: Quarantine and Isolation (Course # 1004192)

KS-TRAIN: Public Health Emergency Management: Powers for Responding to Pandemic Flu (Course # 1010085)

1	Decides on the appropriate course of action
2	Develops mechanisms to monitor and evaluate programs for their effectiveness and quality

Communication Skills

KS-Train: Improving Interpersonal Communication and Relationships, (Course # 1012709)

KS-TRAIN: Pandemic Influenza - Communications and Administrative Tools, (Course # 1013841)

KS-TRAIN: Creating a Crisis /Emergency Risk Communication Plan Using the CDCynergy Tool, (Course # 1002666)

1	Listens to others in an unbiased manner, respects points of view of others, and promotes the expression of diverse opinions and perspectives (attitude)
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Cultural Competency Skills

KS-TRAIN: WALD: Cultural Competency Module I, Course # 1010194

KS-TRAIN: WALD Cultural Competency Module II, Course # 1010197

KS_TRAIN: HIV Cultural Diversity Training (Course 1012967) Online

1	Utilizes appropriate methods for interacting sensitively, effectively, and professionally with persons from diverse cultural, socioeconomic, educational, racial, ethnic and professional backgrounds, and persons of all ages and lifestyle preferences
2	Understands the dynamic forces contributing to cultural diversity (attitude)
Community Dimensions of Practice Skills	
KS-TRAIN: Community Partnerships and Perspectives - Intermediate Level, (Course # 1005185)	
1	Accomplishes effective community engagements
2	Identifies community assets and available resources
3	Develops, implements, and evaluates a community public health assessment
Basic Public Health Sciences Skills	
KS-TRAIN: Orientation to the Essentials of Public Health: Intermediate Level, (Course # 1005183)	
KS- TRAIN: E is for EPI, Session I, Part 1: Epidemiology in the Context of Public Health, (Course # 1004036)	
KS-TRAIN: E is for EPI, Session IV, Part I: Surveillance, (Course # 1004046)	
KS-TRAIN: Environmental Health Online, An Introduction to Environmental Health, (Course # 1010234)	
PHL PH501 Infectious Disease Overview	
1	Defines, assesses, and understands the health status of populations, determinants of health and illness, factors contributing to health promotion and disease prevention, and factors influencing the use of health services
2	Identifies and applies basic research methods used in public health
3	Applies the basic public health sciences including behavioral and social sciences, biostatistics, epidemiology, environmental public health, and prevention of chronic and infectious diseases and injuries
Financial Planning and Management Skills	
CTB Toolkit, Writing a Grant Application For Funding, http://ctb.ku.edu/en/dothework/tools_tk_14.htm	
PHL PH 451 What is Public Health Administration?	
KS-TRAIN: Public Health Financial Management, Aware Level, (Course # 1012722)	
1	Monitors program performance
2	Prepares proposals for funding from external sources
3	Applies basic human relations skills to the management of organizations, motivation of personnel, and resolution of conflicts
4	Manages information systems for collection, retrieval, and use of data for decision-making

Leadership and Systems Thinking Skills

Kansas Public Health Leadership Institute(KPHLI), <http://www.waldcenter.org/kphli/index.html>

PHL PH 457 Public Health Leadership

CTB Toolkit, Developing Strategic and Action Plans, http://ctb.ku.edu/en/dothework/tools_tk_content_page_193.htm

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| 1 | Creates a culture of ethical standards within organizations and communities |
| 2 | Identifies internal and external issues that may impact delivery of essential public health services (i.e. strategic planning) |

RESOURCES FOR ESSENTIAL SERVICE #2

Diagnose and investigate health problems and health hazards in the community

1. **Kansas Office 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 Information eXchange \(PHIX\)](#):**
Part of the **Kansas Health Alert Network**. Accessible only to registered **PHIX Professionals**.
 - Message Maps
 - Electronic Disease Surveillance System (EDSS)
 - Reportable Diseases
 - Health and Medical Exercise Information
 - Disease reports
 - Forums, surveys
 - lab protocols manual

3. **Kansas Public Health Alert Network:** <http://www.kdheks.gov/han/> 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.

4. **Emerging Infectious Diseases.** monthly journal by the CDC:
<http://www.cdc.gov/ncidod/EID/index.htm>

5. **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.

6. **CDC Emerging Infectious Diseases:** <http://www.cdc.gov/ncidod/EID/vol9no10/03-0231.htm>

7. **Kansas Public Health Directory:**
http://www.kdheks.gov/olrh/download/health_directory.pdf

8. **Kansas Law Enforcement Agencies:**
http://crime.about.com/od/agencies/a/agencies_ks.htm
9. **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.
10. **Kansas Veterinarians Directory:** <http://kansas.uscity.net/Veterinarians/>
11. **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
12. **Public Health Emergency Response: A Guide for Leaders and Responders:**
<http://www.hhs.gov/disasters/press/newsroom/leadersguide/index.html>