

## ESSENTIAL SERVICE #10: Research for new insights and innovative solutions to health problems

**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 below 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 #10

**KS-Train: Orientation to Public Health, Course # 1000614**

**PHL PH 411 What is Public Health?**

#### Knowledgeable level training for many competencies in Essential Service #10

**CPH Course, KU School of Med - W**

#### **Indicators for Essential Service #10**

Identify problems to be researched

Describe technical assistance needed for research

Specify the resources needed for research

Prioritize the importance of research problems

Gather information using reliable methods of study

Confer with team members to analyze data

Disseminate research findings to appropriate individuals

### TRAINING FOR COMPETENCIES

#### **Analytic/Assessment Skills**

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

**PHL PH 412 Understanding and Measuring Health**

<b>PHL PH 471 What is Environmental Health?</b>	
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	Makes relevant inferences from quantitative and qualitative data
8	Recognizes how the data illuminate ethical, political, scientific, economic, and overall public health issues
<b>Policy Development/Program Planning Skills</b>	
<b>PHL PH 431 What is Public Health Policy, Advocacy &amp; Law?</b>	
1	Collects, summarizes, and interprets information relevant to an issue
2	Decides on the appropriate course of action
<b>Communication Skills</b>	
<b>KS-Train: Improving Interpersonal Communication and Relationships, Course # 1012709</b>	
<b>PHL PH 456 Communications and Marketing</b>	
1	Communicates effectively both in writing and orally, or in other ways
2	Solicits input from individuals and organizations
3	Advocates for public health programs and resources
4	Leads and participates in groups to address specific issues
5	Uses the media, advanced technologies, and community networks to communicate information
6	Effectively presents accurate demographic, statistical, programmatic, and scientific information for professional and lay audiences
7	Listens to others in an unbiased manner, respects points of view of others, and promotes the expression of diverse opinions and perspectives (attitude)
<b>Cultural Competency Skills</b>	
<b>KS-TRAIN: WALD: Cultural Competency Module I, Course # 1010194</b>	

<b>KS-TRAIN: WALD Cultural Competency Module II, Course # 1010197</b>	
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	Identifies the role of cultural, social, and behavioral factors in determining the delivery of public health services
3	Develops and adapts approaches to problems that take into account cultural differences
4	Understands the dynamic forces contributing to cultural diversity (attitude)
<b>Community Dimensions of Practice Skills</b>	
<b>KS-TRAIN: Community Partnerships and Perspectives - Intermediate Level, Course # 1005185</b>	
1	Identifies how public and private organizations operate within a community
<b>Basic Public Health Sciences Skills</b>	
<b>KS-TRAIN: Orientation to the Essentials of Public Health: Intermediate Level, (Course # 1005183)</b>	
<b>KS- TRAIN: E is for EPI, Session I, Part 1: Epidemiology in the Context of Public Health, (Course # 1004036)</b>	
<b>KS-TRAIN: E is for EPI, Session IV, Part I: Surveillance, (Course # 1004046)</b>	
<b>KS-TRAIN: Environmental Health Online, An Introduction to Environmental Health, (Course # 1010234)</b>	
<b>PHL PH501 Infectious Disease Overview</b>	
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	Understands the historical development, structure, and interaction of public health and health care systems
3	Identifies and applies basic research methods used in public health
4	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
5	Identifies and retrieves current relevant scientific evidence
6	Identifies the limitations of research and the importance of observations and interrelationships
<b>Financial Planning and Management Skills</b>	
<b>KS-TRAIN: Public Health Financial Management, Course # 1012722</b>	
<b>CTB Toolkit, Writing a Grant Application For Funding, <a href="http://ctb.ku.edu/en/dothework/tools_tk_14.htm">http://ctb.ku.edu/en/dothework/tools_tk_14.htm</a></b>	
<b>PHL PH 451 What is Public Health Administration?</b>	

1	Develops and presents a budget
2	Manages programs within budget constraints
3	Applies budget processes
4	Develops strategies for determining budget priorities
5	Monitors program performance
6	Prepares proposals for funding from external sources
7	Applies basic human relations skills to the management of organizations, motivation of personnel, and resolution of conflicts
<b>Leadership and Systems Thinking Skills</b>	
<b>CTB Toolkit, Developing Strategic and Action Plans</b> , <a href="http://ctb.ku.edu/en/dothework/tools_tk_content_page_193.htm">http://ctb.ku.edu/en/dothework/tools_tk_content_page_193.htm</a>	
<b>Kansas Public Health Leadership Institute(KPHLI)</b> , <a href="http://www.waldcenter.org/kphli/index.html">http://www.waldcenter.org/kphli/index.html</a>	
<b>PHL PH 457 Public Health Leadership</b>	
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)
3	Facilitates collaboration with internal and external groups to ensure participation of key stakeholders

## RESOURCES FOR ESSENTIAL SERVICE #10

### Research for new insights and innovative solutions to health problems

1. CDC Office of Public Health Research  
<http://www.cdc.gov/od/science/PHResearch/overview.htm>
2. Public Health Literature and Guidelines <http://phpartners.org/guide.html>
3. Journal of Public Health Management and Practice <http://www.jphmp.com/>
4. American Public Health Association <http://www.apha.org/>
5. Kansas Public Health Association <http://www.kpha.us/>
6. Association of Community Health Nursing Educators  
<http://www.achne.org/i4a/pages/index.cfm?pageid=1>
7. Association of State and Territorial Directors of Nursing <http://www.astdn.org/>
8. Kansas Public Health Leadership Institute  
<http://www.waldcenter.org/kphli/index.html>
9. Public Health Conferences, worldwide  
<http://www.conferencealerts.com/publichealth.htm>
10. KU Master's of Public Health Program <http://mph.kumc.edu/>
11. Kansas State University School of Public Health <http://www.k-state.edu/mphealth/about.htm>
12. Kansas Health Institute <http://www.khi.org/>
13. KU Workgroup for Community Health and Development  
[http://communityhealth.ku.edu/about\\_us/about\\_us.shtml](http://communityhealth.ku.edu/about_us/about_us.shtml)
14. Healthy People 2010 Information Access Project  
<http://phpartners.org/hp/index.html>
15. Kansas Department of Health and Environment <http://www.kdheks.gov/>

