

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

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

[Orientation to Public Health](#)

[Kansas Core Public Health Program](#)

[Public Health Information and Data, a Training Manual](#)

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

[Introduction to Assessment](#)

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 in the collection, maintenance, use, and dissemination of data and information
9	Interprets quantitative and qualitative data
12	Utilizes data to address scientific, political, ethical, and social public health issues

Policy Development/Program Planning Skills

1	Analyzes information relevant to specific public health policy issues
7	Develops a plan to implement policy and programs
10	Incorporates public health informatics practices
11	Develops strategies for continuous quality improvement

Communication Skills

[Improving Interpersonal Communication and Relationships](#)

[CTB Developing Facilitation Skills](#)

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
3	Solicits input from individuals and organizations
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

[Cultural Competency Module I](#)

[Cultural Competency Module II](#)

1	Incorporates strategies for interacting with persons from diverse backgrounds
2	Considers the role of cultural, social, and behavioral factors in the accessibility, availability, acceptability and delivery of public health services
3	Responds to diverse needs that are the result of cultural differences
4	Explains the dynamic forces that contribute to cultural diversity
6	Assesses the public health organization for its cultural competence
Community Dimensions of Practice Skills	
Community Partnerships and Perspectives - Intermediate Level	
1	Assesses community linkages and relationships among multiple factors (or determinants) affecting health
7	Describes the role of governmental and non-governmental organizations in the delivery of community health services
10	Promotes public health policies, programs, and resources
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	
1	Describes the scientific foundation of the field of public health
2	Identifies prominent events in the history of the public health profession
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
6	Retrieves scientific evidence from a variety of text and electronic sources
7	Determines the limitations of research findings
8	Determines the laws, regulations, policies and procedures for the ethical conduct of research
Financial Planning and Management Skills	
Public Health Financial Management	
CTB Toolkit, Writing a Grant Application For Funding	

1	Interprets the interrelationships of local, state, and federal public health and health care systems for public health program management
2	Interprets the organizational structures, functions, and authorities of local, state, and federal public health program management
3	Develops partnerships with agencies within the federal, state, and local levels of government that have authority over public health situations or with specific issues, such as emergency events
4	Implements the judicial and operational procedures of the governing body and/or administrative unity that oversees the operations of the public health organization
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
9	Uses evaluation results to improve 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
12	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
6	Establishes mentoring, peer advising, coaching or other personal development opportunities for the public health workforce

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/> the **Office of Public Health Research (OPHR)** is responsible for coordinating guidance for best research practices and supporting innovative and cross-cutting research.
2. **Public Health Literature and Guidelines** <http://phpartners.org/guide.html>
Resources to help you access the public health literature as well as links to titles from members of the Partners project.
3. **Journal of Public Health Management and Practice** <http://www.jphmp.com/>
4. **Association of Community Health Nursing Educators**
<http://www.achne.org/i4a/pages/index.cfm?pageid=1>
5. **Association of State and Territorial Directors of Nursing**
<http://www.astdn.org/>
6. **Kansas Public Health Leadership Institute**
<http://www.waldcenter.org/kphli/index.html>
7. **KU Master's of Public Health Program** <http://mph.kumc.edu/>
8. **Kansas State University School of Public Health** <http://www.k-state.edu/mphealth/about.htm>
9. **Kansas Health Institute (KHI)** <http://www.khi.org/> KHI conducts research; provides policy analysis; convenes conversations; and sponsors educational forums.
10. **Healthy People 2010 Information Access Project**
<http://phpartners.org/hp/index.html>
11. **Kansas Department of Health and Environment** <http://www.kdheks.gov/>