Preparing Kentucky's Preparedness Staff for the Challenges of Tomorrow Through Competency Based Education

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College of Public Health, University of Kentucky **EXECUTIVE SUMMARY**:

"At what point shall we expect the approach of danger? By what means shall we fortify against it?-- Shall we expect some transatlantic military giant, to step the Ocean, and crush us at a blow? Never!--All the armies of Europe, Asia and Africa combined, with all the treasure of the earth (our own excepted) in their military chest; with a Bonaparte for a commander, could not by force, take a drink from the Ohio, or make a track on the Blue Ridge, in a trial of a thousand years.

At what point then is the approach of danger to be expected? I answer, if it ever reach us, it must spring up amongst us. It cannot come from abroad. If destruction be our lot, we must ourselves be its author and finisher. As a nation of freemen, we must live through all time, or die by suicide."

~Abraham Lincoln, Lyceum Address

How then can Public Health be prepared? We can be prepared by ensuring that our workforce is prepared. It is imperative that we develop our workforce and educate them so they can respond to a disaster, but at the same time do their everyday job better. Through the development of competencies, this can be achieved. Competencies give the ability to measure performance and set forth a path for achievement.

The majority of our Change Master Group is preparedness staff from across Kentucky, who have been employed in their current position for at least 2 years. Upon hire, many of us did not receive a lot of guidance from the State Department for Public Health or our local health department as to our job duties. Some were given copies of the grant deliverables and told, "go forth and do your job." What was our job? How were we supposed to do our job? We really did not know.

Our Change Master Group wanted to positively impact public health preparedness in Kentucky. We wanted to ensure that others who were hired in positions similar to ours had a tool to guide their learning process and guarantee they are properly trained to perform the required job functions. We felt that through the development of competencies, we could achieve this.

The competencies developed are based upon the Core Competencies for Public Health Professionals. The Epidemiology Competencies are those developed by the Council for State and Territorial Epidemiologists for Tier 2: Applied Epidemiologists. The competency sets for the other positions were developed based upon the Core Competencies but made specific to the Preparedness Coordinator and Preparedness Training Coordinator positions. Competency development was aided by "Competency to Curriculum Toolkit" developed by the Columbia University School of Nursing Center for Health Policy.

Our project team talked with numerous people across the state as well as Dr. Kristine Gebbie, Director of the Columbia School of Nursing Center for Health Policy. All those we talked with thought our initiative was very important to advance everyday public health practice, as well as public health preparedness. There are several initiatives within our state that are working to address workforce development based upon competency. The Kentucky Department for Public Health Division of Epidemiology has convened a stakeholder group from agencies across the state to build epidemiologic capacity for Kentucky. The Local Health Department Personnel Section has convened groups from across the Kentucky to revise the current job classification system to be based upon competencies. Our project deliverables are:

- 1 Job descriptions local health departments can use to recruit and develop staff
- 2 A mentoring program that would assist new public health preparedness staff in becoming more familiar with their roles by offering guidance and direction
- 3 A listing of suggested trainings to narrow down the search for quality trainings that directly tie to competencies identified
- 4 A skills check off for mentors to track the progress of new public health preparedness staff
- 5 Outline a recommended credentialing system for Kentucky Department for Public Health
- 6 A checklist for the Kentucky Department for Public Health for project implementation

It is our expectation that this project will be used to further the professional development of the preparedness staff within Kentucky; serve as a framework for those who are newly hired to preparedness positions; and serve as a guide for local health departments for staff recruitment and development.

INTRODUCTION/BACKGROUND:

"To be prepared is to be ready for action." Louis Rowitz

The 1988 Institute of Medicine (IOM) report, *The Future of Public Health*, declared public health to be in disarray, prompting a national discussion about the status of public health, including the workforce. The report called for:

- 1. Development of a workforce ready to address emerging pubic health problems, both in terms of practice and leadership;
- 2. Professional development for those already operating the system;
- 3. Expansion of the pool of personnel prepared to perform the essential public health services.¹

The past decade has brought about a period of significant challenges and transitions in public health. At a time when many budgets for traditional services where dwindling, enormous budgets for public health preparedness were appearing. In the aftermath of 9/11, and with the increased focus on Bioterrorism and Pandemics, health departments at the federal, state, and local level are increasing disease surveillance activities and disaster planning. Public health preparedness and response have now become the new priority for public health. The Federal Government recognized the new priority and generously funded the initiative. With the rapid dissemination of Preparedness funding from the federal government, local and state health departments were overwhelmed with the task of hiring Epidemiologists, Public Health Preparedness Coordinators, and Preparedness Training Coordinators. See figures 1 and 2. Health departments, in many instances, were confronted with the need to hire entirely new staff, or move staff from under funded or cut programs into the newly created and generously funded preparedness program.

A vast majority of the public health workforce have no formal public health training. Most are trained in a primary health profession, such as nursing, environmental health, or health education, and continue to receive trainings and updates from their professional organizations, local health departments, state health departments, or schools. The Council of State and Territorial Epidemiologists (CSTE) 2004 Epidemiology Capacity Assessment stated that 48% of Epidemiologists are not academically trained in Epidemiology.³ When state and local health departments began recruiting for Epidemiologists, Public Health Preparedness Coordinators, and Preparedness Training Coordinators, a glaring weakness in public health training was identified. These positions were to be recruited from a wide-ranging pool of applicants from many different backgrounds, with the exception of the Epidemiologist, who was required to have a Masters in Public Health degree. Once hired, all learned very quickly that they did not have the guidance necessary to accomplish their mission, nor, in many instances, did they have the necessary knowledge base.

Recognizing that there exists a great weakness in many of the training programs for our public health workforce, competency sets have been established to address the major areas of public health practice. Some of those are:

- 1 Core Competencies for Public Health Professionals
- 2 Core Public Health Worker Competencies for Emergency Preparedness and Response
- 3 Environmental Health Competencies: Core Competencies for the Effective Practice of Environmental

Health

A competency is defined as the knowledge, skills, and abilities demonstrated by organization or system members that are critical to the effective and efficient organization or system.² Competencies are:

- 1 Actions that can be seen in practice
- 2 Describable in behavioral terms
- 3 Observable in the performance of system components
- 4 Part of a continuous system/organization/individual performance improvement process

One area that has not been specifically addressed is competencies for the

"Bioterrorism/Preparedness Specialists;" the Epidemiologists, Public Health Preparedness Coordinators, and Preparedness Training Coordinators. In the 2004 CSTE Epidemiologic Capacity Assessment: Findings and Recommendations Report, CSTE recommends "a national standard for competency-based, on-the-job training and/or a certificate program should be established to ensure appropriate training for epidemiologists."³ Recommendations from this report include:

- 1 Increasing the pool of academically prepared graduates
- 2 Expanding internships and fellowship programs
- 3 Establishing national recruiting for state and local public health epidemiology positions
- 4 Developing standards through levels of required competencies and tying compensation comparability among states to these standards
- 5 Establishing incentives for choosing and maintaining a career in public health epidemiology
- 6 Developing a certification programs outside universities and other educational programs tied to competencies in epidemiology
- 7 Organizational commitment to training opportunities and workforce development
- 8 Developing training requirements for practicing epidemiologists who need additional skills in their area of work

Through this project, we hope to address the lack of guidance and competency development for the Public Health Preparedness Staff within the State of Kentucky, with the hopes that we may influence other states with our efforts. The purposes for developing these competency sets are:

- 1 To more clearly define the field and provide guidance to practitioners regarding expected competencies;
- 2 Inform supervisor and personnel systems in public health agencies of expected competencies for staff hiring and aid in establishing job titles and in the development of "career ladders" for advancement in the field;
- 3 Inform educators and academic institutions of the expected competencies.²

The use of competency sets in general lends itself to the further development of our primary public health infrastructure, our workforce. Competencies work to ensure that our workforce is adequately prepared to perform the required job functions. Thereby addressing the workforce issues that public health faces today and tomorrow.

With the increasing interest in public health system assessments, such as the National Public Health Performance Standards, and many state accreditation programs, competency development and the use of the public health competencies are becoming increasingly important. Discussions are occurring at the policy level as to the pros and cons of accreditation and credentialing. Kentucky has pilot tested the National Public Health Performance Standards and the Michigan Model for Public Health Accreditation and many districts have engaged in the MAPP (Mobilizing for Action through Planning and Partnerships) process. Our group feels this issue is on the brink of becoming much more than a discussion. Working to build a strong public health infrastructure provides for the capacity to prepare for and respond to both acute and chronic threats to the nation's health. In the wake of Hurricanes Katrina and Rita, it is necessary that we ensure that our workforce is adequately trained to respond. With a competency based program, based upon the Core Public Health Competencies, Kentucky will ensure that it's Preparedness workforce and public health workforce is competent and ready to respond, whether it is a local, state, or national disaster.

Problem Statement:

Preparedness Staff, statewide, (Preparedness Coordinators, Epidemiologists, and Preparedness Training Coordinators) do not have a defined competency set to guide their learning process or ensure that they are properly trained to perform their job functions.

Behavior Over Time Graph:

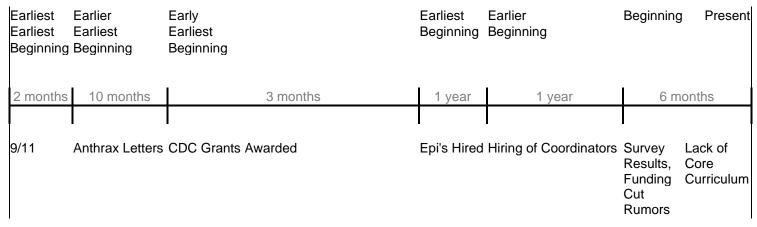


Figure 1: Timeline of events (from 9/11 to present) leading to the development of this Change Master Project

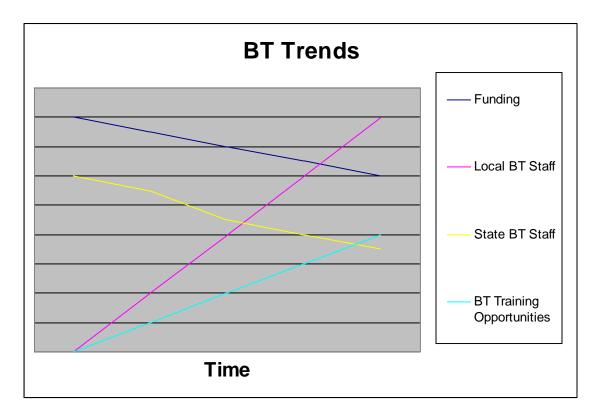


Figure 2: Graphical Depiction of the Preparedness Programs within Kentucky. Details the increase in Local Health Department Preparedness staff and training opportunities and the decreases in funding and State Preparedness Staff.

Causal Loop Diagram:

Figure 3: Causal Loop Diagram. Depicts the linkages between funding, staff, and training in Preparedness Programs in Kentucky.

10 Essential Public Health Services/National Goals Supported:

Our Change Master Project supports many of the 10 Essential Public Health Services and National Goals, as outlined below.

A. CDC's 21 Health Protection Goals

People Prepared for Emerging Health Threats

Goal: People in all communities will be protected from infectious, occupational, environmental, and terrorist threats.

Preparedness goals will be developed to address scenarios that include natural and intentional threats. The first round of these will include influenza, anthrax, plague, emerging infections, toxic chemical exposure, and radiation exposure.

Prevention

• Increase the use and development of interventions known to prevent human illness from chemical, biological, radiological agents, and naturally occurring health threats.

Detection and Reporting

- Decrease the time needed to classify health events as terrorism or naturally occurring in partnership with other agencies.
- Decrease the time needed to detect and report chemical, biological, radiological agents in tissue, food or environmental samples that cause threats to the public's health.
- Improve the timeliness and accuracy of communications regarding threats to the public's health.

Investigation

• Decrease the time to identify causes, risk factors, and appropriate interventions for those affected by threats to the public's health.

Control

• Decrease the time needed to provide countermeasures and health guidance to those affected by threats to the public's health.

Recover

- Decrease the time needed to restore health services and environmental safety to pre-event levels.
- Improve the long-term follow-up provided to those affected by threats to the public's health.

Improve

• Decrease the time needed to implement recommendations from after-action reports following threats to the public's health.

B. The 10 Essential Public Health Services

- 1. <u>Monitor</u> health status to identify and solve community health problems.
- 2. <u>Diagnose and investigate</u> health problems and health hazards in the community.
- 3. <u>Inform, educate</u>, and empower people about health issues.
- 4. <u>Mobilize</u> community partnerships and action to identify and solve health problems.
- 5. <u>Develop policies and plans</u> that support individual and community health efforts.
- 6. <u>Enforce</u> laws and regulations that protect health and ensure safety.
- 8. <u>Assure</u> competent public and personal health care workforce.
- 9. <u>Evaluate</u> effectiveness, accessibility, and quality of personal and population-based health services.

C. National Public Health Performance Standards:

Our Change Master Group developed standards to guide the development and performance of public health preparedness staff. We also recognize that we are part of an entire system of local, regional, state, and federal entities that would have a direct role in the discovery, investigation, response, and recovery from public health emergencies. The National Public Health Performance Standards focus on an overall public health system rather than a single organization. A public health system includes all private, public, and volunteer entities that contribute to public health activities within a given area. This ensures that all entities are recognized in assessing the provision of the essential public health services.

D. Healthy People 2010

23-8. Increase the proportion of Federal, Tribal, State, and local agencies that incorporate specific competencies in the essential public health services into personnel systems.

Although the disciplines in a particular agency will vary according to the resources, policies, needs, and populations served, individual public health employees must have certain competencies or levels of expertise. Their combined areas of expertise enable the organization to provide essential public health services. Failure to include references to these competencies in the formal personnel system makes achieving standards difficult. Position descriptions or performance evaluations are likely sources of data for this objective

23-9. Increase the proportion of schools for public health workers that integrate into their curricula specific content to develop competency in the essential public health services 23-10. Increase the proportion of Federal, Tribal, State, and local public health agencies that provide continuing education to develop competency in essential public health services for their employees

The above two objectives address training for both the current and future public health workforce. Tomorrow's public health workforce is being educated today by schools of public health, programs in public health accredited by the Council on Education for Public Health, and other graduate programs. These emerging leaders must be grounded in the areas of expertise needed to deliver essential public health services. This objective may be accomplished either by developing specific courses or by incorporating essential public health services into existing offerings, depending on the school or program.

There is an ongoing need to train and educate people who are currently employed in public health as new areas, problems, threats, and potential disasters emerge. For example, the threat of bioterrorism or the increased impact of any natural and technological disaster will require different training and areas of expertise so that public health workers can detect problems early, communicate rapidly, and respond effectively. A system for enabling career-long learning opportunities is desirable.

PROJECT OBJECTIVES/DESCRIPTION/DELIVERABLES:

Project Description

The original vision for our project was conceived by two of our Change Master Group members last year and refined by the entire group throughout the year in KPHLI. Our original goal was to create a training curriculum for Regional Epidemiologists, Preparedness Coordinators and Preparedness Educators. We quickly discovered that this task would take more time than we had available to complete the project. We then decided that a more manageable goal would be to develop competency sets for each of the positions. This process was a long and tedious one but also a very rewarding and enlightening one. We used the competency sets we developed to update the job descriptions for the three positions. Finally, we developed a list of trainings to help fulfill each competency set. In addition, we developed a model for a certification program. Our final goal is to eventually see this program further developed and implemented statewide.

Project Timeline

April 2005	Group forms @ KPHLI
May 2005	Began to request data on training needs of the three positions from various
-	sources looking at the same issue
June 2005	First Summit at Pine Mountain State Park
	Developed a problem statement for the project
	Drafted a list of deliverables & objectives
	Received Department of Public Health Survey Data from Ron Herald
	Began researching articles on competency based curriculum programs
August 2005	Group met with mentor Dr. George Graham and Dr. Andy Weiner about
	our project
	Refined objectives and deliverables
September 2005	Second Summit at General Butler State Park
	Began to work on competency sets for each of the positions
	Further refined objectives
	Received survey data from John Williams on training needs
November 2005	Jasie and Kristy spoke at state Epidemiology Capacity Meeting in
	Frankfort about the project
	Agreed to co-chair a committee to look at the standardization of
	the Epidemiology positions across the state as well as the
	Preparedness Coordinators and Educators positions
December 2005	Group met in Lexington to discuss Kentucky Registered Sanitarian
	program and how it could be used as a model for our project
	Also, discussed changing job descriptions to match newly developed
	competency sets for each position
	Held a phone conference with Dr. Kristine Gebbie from the Columbia
	University School of Nursing Center for Health Policy
	Dr. Gebbie is a bioterrorism and workforce competency expert and

	was really excited about our project
	Dr. Gebbie gave us some really useful information and resources to use for our project
January 2006	Group met in Lexington to discuss completed competency sets and to work on the presentation portion of the project
	Decided to re-format job descriptions to match competency sets
	Talked about evaluation tools for the program and certification
	requirements
February 2006	Third Summit at Rough River Dam State Park
	Discussed final deliverables, objectives and project goals
	Also, discussed possible evaluation process
	Group met to discuss final project preparations
March 2006	All Kentucky Applied Epidemiologists participate in pilot test of CSTE
	and CDC Draft Applied Epidemiology Competencies
April 2006	Final presentation at KPHLI Graduation
June 2006	Post-project work with Department of Public Health leaders
	Develop curriculum & evaluation process
July 2006	Mentoring education program begins
	Program to educate staff volunteering to mentor preparedness staff during the certification program
September 2006	Present proposal to three position groups
	Make changes, if needed to format
January 2007	Certification process for Regional Epidemiologists, Preparedness
	Coordinators and Educators begins statewide
January 2008	First certificates issued

Project Objectives

- 1. To develop competencies for the Regional Epidemiologist, Preparedness Coordinator & Preparedness Educator positions. Appendix 1, 2, 3.
- 2. To identify appropriate trainings for each of the competency sets developed. Appendix 1, 2, 3.
- 3. To develop a certification program for each of the positions based on the competency sets developed. Appendix 4.

Project Deliverables

- 1. A competency set for the Regional Epidemiologist, Preparedness Coordinator and Preparedness Educator positions. Appendix 1, 2, 3.
- 2. Revised job descriptions based on the developed competency sets
- 3. An implementation plan for a certification program, including an assessment tool Appendix 4, 5.

METHODOLOGY:

Each member of this Change Master Group represented not only the public health workforce but also each discipline of the preparedness staff (Epidemiologists, Training Coordinators and Preparedness Coordinators). To gain knowledge and background, we began to research numerous articles on competency based curriculum programs. Our mentor recommended reviewing the Public Health Competency Handbook as a guide.

The group members divided into subgroups based on the preparedness discipline they represented. These subgroups began to work on the competency sets for their own positions. The "Competency to Curriculum Toolkit" from the Columbia University School of Nursing Center for Health Policy aided in the development of the competency framework that you see in our project. The epidemiology subgroup used the CSTE Draft Tier 2 Applied Epidemiology Competencies as the framework for the Epidemiology competency set. See Appendices A, B, and C.

We realized early in our project that we needed data to reinforce our cause. Data was available to us from a statewide survey done to identify the training needs for Preparedness Coordinators, Training Coordinators and Epidemiologists.

A telephone conference call was held with Dr. Kristine Gebbie from the Columbia University School of Nursing Center for Health Policy. Dr. Gebbie has done extensive work in the area of competency development for the public health workforce. We reviewed the project and its goals with her. Dr. Gebbie was able to offer guidance and encouraged us to go forward with this project as she deemed it extremely important and necessary.

Our group felt that it was very important to recommend trainings that we felt would be beneficial to our peers. We identified the trainings that would be needed for the competency sets developed for each position.

The current job descriptions for these three positions varied from health department to health department. We reviewed and revised the job descriptions to match the competencies developed and the trainings necessary to develop and maintain a strong and competent preparedness staff. To aid in the development of the job descriptions, we reviewed the work of the Local Health Department Personnel Section Administrative Work Groups. Those groups are working to revise the current job descriptions and job classifications to be based upon competencies. The job descriptions we developed are based upon the template developed by these work groups. We look forward to the Department for Public Health's review of this work and expect that the same work will apply to the Preparedness Staff.

To develop the assessment and certification model for our project, we studied and reviewed the Kentucky Registered Sanitarian program. We had hoped this program could serve as a model for the Preparedness Program. Upon review of this program, we determined that it was a program based upon legislation, which our program would not be. However, we felt a certification program was a critical part of our project. A certification program for the Preparedness staff will ensure that this workforce is adequately trained and ready to perform their job functions.

We developed an assessment component for the certification program, which included a

mentoring segment. Our group felt that the mentoring segment would have a positive impact on those who are new to the positions.

Along with the assessment component, we developed a checklist for implementation as our recommendation to the Kentucky Department for Public Health. This checklist will guide the implementation of our project at the state level and provide a recommendation for structure.

RESULTS:

The short-term outcome of this Change Master Project is the identification of competencies necessary for the positions of Training Coordinator, Preparedness Coordinator, and Epidemiologist in the field of Public Health Preparedness; job descriptions based on these competencies; a mentoring program involving experienced staff; as well as a skills check off for documentation. Our project outlines a certification program that would directly link with long-term outcomes involving a competent and prepared public health workforce.

Products available for both the local and state health department include:

- 7 Job descriptions local health departments can use to recruit and develop staff
- 8 A mentoring program that would assist new public health preparedness staff in becoming more familiar with their roles by offering guidance and direction
- 9 A listing of suggested trainings to narrow down the search for quality trainings that directly tie to competencies identified
- 10 A skills check off for mentors to track the progress of new public health preparedness staff
- 11 Outline a recommended credentialing system for Kentucky Department for Public Health
- 12 A checklist for the Kentucky Department for Public Health for project implementation

Along with the above products, we recommend that the Kentucky Department for Public Health review the Local Health Department Personnel Branch Administrative Work Group recommendations for the Accounting Job Series as a template for reclassification based upon competency.

CONCLUSIONS:

The purpose of our project is to assure there are state-wide, consistent and well-defined competencies for the roles of the Epidemiologists and the Public Health Preparedness Training and Planning Coordinators. To achieve this goal, our Change Master Team through a process of research, surveys, and lessons learned, recommends a standardized credentialing process to better validate our positions in Public Health Preparedness. It is our vision that this will ensure a more consistent, competent preparedness workforce, which will be interoperable statewide. This Change Master Group has developed a proposed time-line for program implementation, which we will continue to pursue upon graduation from KPHLI. We would like to challenge other stakeholders to join us in the pursuit of our vision.

LEADERSHIP DEVELOPMENT OPPORTUNITIES:

Sara Jo Best

KPLHI has given me the opportunity to go beyond my own "fishbowl" in the way that I see public health. I have learned about more than I was even aware of. The opportunities and challenges that public health faces and how we chose to plan for those are critical to our success and will have lasting impact on the future of public health and those we serve. KPHLI has challenged me to think in new ways and to be more creative in problem solving. It has challenged me to not only look at the public health system and opportunities for growth, but also within myself as a public health leader. The learning process that has started here will be a life long endeavor. I have also enjoyed meeting public health professionals within Kentucky and those from across the United States that devoted their time to come to speak to us on topics from Cultural Competency to Policy Development. I will use my experience in KPHLI as a base on which to continue to implement positive change into the public health profession as well as my development as an individual.

Kristy Bolen

Participating in KPHLI this year has allowed me to grow not only professionally but also personally. KPHLI has allowed me the opportunity to meet and interact with many public health workers from across the state and nation. The skills and lessons I will take away from KPHLI will help me in the years to come as I strive to make my community a healthier place.

Through the numerous survey tools that were administered I learned how to use my natural abilities to become a more effective leader in my organization. I've also learned how others see me as a leader and how I can compensate for my emotional intelligence deficits. Without KPHLI I may have never gotten an opportunity to learn so much about myself and about how to improve myself. I'm excited to take this knowledge back to my organization and to apply the principles I've learned.

I am so thankful that my director allowed me to participate in such a wonderful learning opportunity. I would also like to thank the members of my change master group for all of their contributions to our project. I'm so proud of what we have accomplished and I'm looking forward to continuing our journey towards a more competent preparedness workforce in Kentucky.

Dianne M. Coleman

I wanted to participate in the Kentucky Public Health Leadership Institute (KPHLI) class a few years ago but was not afforded the opportunity. Our health department has a new director and she was aware of my interest in KPHLI and invited me to attend. The acceptance letter came and so did the fear and hesitation. What was I thinking? I was not a manager or supervisor and I only held an Associate Degree in Nursing. I now realize how much I would have missed if I had given into my insecurities. These are just a few of the positive experiences that I would have missed out on:

- 1 The chance to reflect, grow and develop professionally and personally.
- 2 The exposure to many different disciplines of public health professionals from across the state.
- 3 The instructors, guest speakers, and authors on a variety of subjects including social marketing and ethics.
- 4 Reading books from the KPHLI book list that normally I wouldn't have. I learned from and actually enjoyed these books.
- 5 Working on a change master project that I believe is needed and hopefully will be beneficial for public health preparedness.
- 6 Team work with a group of dedicated, creative, intelligent, energetic and professional public health women.

I want to thank Dr. George Graham for being a mentor for our group and providing us with what we asked for and for what he knew we needed to consider with this project. I also appreciate the hard work from the KPHLI staff, instructors, and especially Cynthia Lamberth. Although I dreaded the personal conference call with Cynthia I actually came away from it feeling better about my goals and myself. It is my hope that my director will feel that the investment made in sending me to this KPHLI class was well worth it.

Shelly Fryman

KPHLI has been a GREAT experience for me. I was interested in participating because I thought it would help me grow as an individual and become a more effective leader, and I believe it has. It definitely has given me more insight into myself as an individual. When we decided on the subject for our Change Master Project, I was very excited, since I have a vested interest in the outcome. I sincerely believe that what we have accomplished will make a positive impact on the preparedness workers in Public Health, and if implemented, will help us achieve our goal in producing a more competent workforce.

I would like to thank my team members for all the hard work they put in the project and I feel blessed to have worked with such a dedicated and talented group. I also would like to thank my supervisor, Jasie Jackson and our Executive Director, Shawn Crabtree, for encouraging me to participate and allowing me the opportunity. I am really fortunate to be able to work for an agency with such a progressive outlook on personal and organizational development.

The friends that I have made, the skills I have learned and the goals I have achieved, as a result of KPHLI, are all things that I know, will prove invaluable to me now and in the future.

Jasie Jackson

KPHLI has been a great experience for me both personally and professionally. It has given me the opportunity to reflect upon my personal styles and how those directly affect my professional style. It has forced me to move out of my comfort zone and look at myself from an entirely new perspective. Through KPHLI, I have interacted with public health professionals from all parts of the State and Nation, giving me the opportunity to learn from them. Public health at every level faces challenges that are unique to each segment but fundametally similar. In KPHLI, I have learned that planning and leadership are the keys to confronting those challenges and being successful in addressing them. Most importantly, I have learned a new way of thinking, and how to approach issues on a personal level and a professional level. Communication is <u>Key</u> to success!

Over this year, it has been a privildge to work with all of the scholars, mentors, and staff of the Leadership Institute. I am truly blessed to have had such a wonderful change master group and mentor. I am grateful for the opportunity to participate in such a great program. I would like to thank Shawn Crabtree, my director for giving me this valuable opportunity. KPHLI is truly changing Public Health for Kentucky!

Carol Lane

KPHLI has afforded me the opportunity to grow personally and professionally through various self-improvement tools, as well as group participation projects. After working many years in the financial office of a large district health department, I definitely jumped into the deep end of the pool when I signed up to work with the Preparedness Group to define competencies for each of their positions. Fortunately, I was lucky that this group was more than willing to not only include me, but felt that my working experience would give an outside perspective to this project.

Through out this past year, the experience from KPHLI has enabled me to learn different techniques to become a more effective leader. It is my goal to incorporate these techniques into my role as supervisor in the financial office and to communicate successfully as a leader.

It has also been a privilege to participate in the trainings with all the scholars, mentors, and staff from the Leadership Institute. This opportunity to learn outside the safety of familiar surroundings has broadened my scope of understanding for public health. I am thankful that our director is supportive of providing trainings of this caliber for the staff of our district health department.

REFERENCES

1. Institute of Medicine. Educating Public Health Professionals for the 21st Century. Institute of Medicine Report. Available at: <u>http://www.iom.edu/CMS/3793/4723.aspx</u>. Accessed February 15, 2006.

2. Council of State and Territorial Epidemiologists. Draft CDC/CSTE Applied Epidemiology Competencies: Preface Document and Tier 2 Competencies. May 23, 2005. Available at: <u>http://www.cste.org/Assessment/competencies/comp.pdf</u>. Accessed September 2005.

Council of State and Territorial Epidemiologists. 2004 National Assessment of Epidemiologic Capacity: Findings and Recommendations. Council of State and Territorial Epidemiologists. 2004. Available at: <u>http://www.cste.org/Assessment/ECA/pdffiles/ECAfinal05.pdf</u>. Accessed

November 2005. Appendix 1 CDC/CSTE Applied Epidemiology Competencies 5/23/05

Epidemiology Competencies

mpetency	Sub-Competency	Possible Training	This candidate has demonstrated competency in this by (this column to be completed by mentor):	Date Comple
sment & ysis	Identify public health problems pertinent to the population -0 Use critical thinking to determine whether a public health problem exists • Identify relevant data & information sources within & outside the public health system • Synthesize existing data & information into a determination of expected & observed numbers of cases or outcomes in a population • Determine threshold values (e.g. baseline disease incidence, prevalence of risk behaviors, etc) for public health action • Conduct a thorough search of the	 -2 Epi in Action CDC Training in Atlanta -3 Many of these skills would be learned in Graduate Level Epidemiology or Statistics classes 		

	scientific literature & public health				
	databases, using				
	search engines &				
	methods relevant to				
	specific problems,				
	to identify				
	knowledge gaps.				
	• Quantify				
	population-based				
	health risks				
	-1 Articulate the need for				
	further investigation or				
	other public health action,				
	based on results of				
	literature review &				
	assessment of current data.				
	Collaborate with others, inside				
	& outside the agency, to				
	identify the problem & develop				
	recommendations				
sment &	Conduct Surveillance	-	 CDC/Emory Surveillance Class in		
vsis	-2 Determine whether to conduct		Atlanta		
	surveillance for the particular				
	public health issue under	-	Many of these skills would be		
	consideration		learned in Graduate Level		
	• Identify types of		Epidemiology or Statistics classes		
	surveillance methods for				
	specific public health				
	problems				
	• Select types of				
	surveillance systems				
	suitable to specific public health problems				
	 Identify additional 				
	burden to public health				
	system & reporting entity				
	anticipated to result from				
	the proposed surveillance				
	system				
	-3 Identify surveillance data needs				
	• Create case definition,				
	based on person, place &				
	time Describes and the				
	• Describe sources, quality				
	& limitations of surveillance data				
	 Identify mechanisms to 				
				1	

 transfer data from source Define timeliness required for data collection Define necessary frequency of reporting Describe potential uses of data to inform surveillance system Surveillance systems Test data collection & analytical methods Create working surveillance system Provide feedback to reporting entities & other organizations or individuals who need to know about the data or system Interpret system is results Interpret system is results Interpret systems Develop conclusions from the surveillance data or Develop conclusions Develop conclusions Communicate results Conduct evaluation of surveillance systems Develop conclusions Pervide conclusions Pervide conclusions Develop conclusions Tomunicate results Communicate results Pervide conclusions Pervide conclusions Develop conclusions Develop conclusions Develop conclusions Develop conclusions Develop conclusions Surveillance systems Develop conclusions Pervide condexist (CDC. 2001, Updated Guidelnes for 				
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Updated Guidelines for				
		Updated Guidelines for		

	Evaluating Public Health		
	Surveillance Systems.		
	MMWR 50(RR13): 1-35)		
	Prepare recommendations for		
	modifications to surveillance systems		
	based on evaluation		
sment &	Investigate acute & chronic conditions	-2 Needs Assessment Training	
vsis	in the population		
	-7 Conduct a community health status assessment	-3 MAPP Training	
	-8 Prioritize potential public health	-4 Basic Epi Concepts, Principles &	
	problems to be addressed	Methods (University of Pittsburgh	
	-9 Select investigative processes	SuperCourse)	
	• Differentiate principles of	•	
	investigation for acute		
	versus chronic disease		
	• Differentiate principles of		
	investigation for disease		
	clusters versus endemic		
	conditions		
	\circ Describe the major		
	epidemiologic study		
	designs, including the		
	strengths & weaknesses		
	of each		
	-10 Create hypotheses (see		
	competencies from Skill Domain I.1.i & Basic Public Health		
	Sciences)		
	-11 Assist in design of investigation		
	(e.g. disease investigations,		
	studies or screening programs)		
	• Identify target population		
	for investigation		
	• Perform necessary power		
	calculations		
	 Identify individuals or 		
	groups eligible to be in		
	the study		
	• Create the case		
	definitions by defining		
	the outcomes of interest		
	• Identify optimal		
	timeframe for		
	investigation		
	• Select optimal		
	investigation design		
	under existing constraints		
	• Identify possible sources		
	of bias		

	• Identify methods to		
	minimize or estimate		
	effects of possible		
	sources of bias		
	• Identify potential		
	confounders		
	• Design strategies to		
	control potential		
	confounders		
	-12 Employ Investigation techniques		
	suitable to the public health		
	problem		
	• Identify sources of data		
	for investigation		
	 Identify case finding 		
	methods suitable to the		
	investigation		
	 Construct data collection instruments 		
	• Employ optimal sampling		
	methods given the context of the situation		
	• Organize necessary		
	coordination between all		
	groups involved in		
4.0	investigation		
sment &	Apply principles of good ethical/legal	-21 Public Health Ethics Class	
vsis	practice as they relate to study design		
	& data collection, dissemination &		
	uses		
	-13 Follow ethics guidelines &		
	principles when planning studies,		
	conducting research, &		
	collecting, disseminating & using		
	data		
	• Collect & use public		
	health data, including		
	individual identifiers,		
	only with clearly		
	identified justification		
	• Balance respect for		
	persons & individual		
	privacy with the risk of		
	the threat to the		
	community		
	• Apply public health code		
	of ethics to collection,		
	management,		
	dissemination, & use of		
	data & information,		

	including principles of		
	justice, timeliness, &		
	transparency of purpose		
	(www.apha.org/codeof		
	<u>ethics</u>)		
	-14 Apply appropriate laws to		
	collection, management,		
	dissemination, & use of data &		
	information		
	-15 Differentiate between public		
	health practice & public health research		
	-16 Describe human subjects research		
	-17 Apply Institutional Review Board		
	processes as necessary		
	-18 Manage conflict of interest as		
	necessary		
	-19 Apply knowledge of privacy laws		
	to protect Confidentiality,		
	including HIPAA & applicable		
	state & local privacy laws		
	-20 Apply ethical principles in		
	publication practices		
sment &	Manage data from surveillance,	-2 Epi Info Training during Epi in Action	
vsis	investigation, or other sources	Course at Emory University in Atlanta	
	-22 Create database, if indicated		
	• Design data base with	-3 Epi Info Training Online: Analyze	
	necessary variables &	Data Sessions I – VII (UNC Center	
	data dictionary	for Public Health Preparedness)	
	 Employ optimal coding 		
	for variables (e.g.	-4 Basic Statistics Class	
	assigning numeric codes		
	to text response options		
	for a variable) to ensure		
	accuracy & ease of		
	analysis		
	• Employ data entry		
	techniques that ensure		
	accuracy & reliability		
	 Conduct data entry validation 		
	• Perform data cleaning &		
	error correctionEvaluate data editing &		
	• Evaluate data editing & communicate results to		
	data providers		
	-23 Manage databases o Maintain original data,		
	 Maintain original data, but transform data as 		
	needed for specific		
	needed for specific		

		analyses				
	0	Create new variables as				
		necessary to support				
		analysis of data				
	0	Perform merging &				
		splitting of databases				
	0	Change format of data				
	_	from one software				
		application to another if				
		necessary (e.g. ASCCII				
		to SAS)				
	0	Document all data				
		transformations				
	0	Insure secure (restricted				
	Ū	accesses) & stable				
		(routine back-ups,				
		database redundancy)				
		data storage				
sment &	Analyze dat	ta from an epidemiologic	-2	Epi Info Training during Epi in Action		
vsis	investigatio		-	Course at Emory University in Atlanta		
		analysis plan for data				
		Define analysis plan to	-3	Epi Info Training Online: Analyze		
	_	insure that public health		Data Sessions I – VII (UNC Center		
		objectives are met		for Public Health Preparedness)		
	0	Determine the optimal		1 /		
	_	statistical techniques				
		given the data, study				
		design, sample size,				
		hypotheses, & other				
		relevant factors				
	0	Specify the parameters to				
	_	estimate				
	0	Specify the assumptions				
		to be used in interpreting				
		results				
	0	Create table shells				
	0	Select software suitable				
		for analyzing &				
		managing data				
	-25 Condu	ct analysis of data				
		Compute frequencies &				
		descriptive statistics				
	0	Calculate rates & adjust				
		for age as necessary				
	0	Compute standard				
		epidemiologic measures,				
		including sensitivity,				
		specificity, positive				
		predictive value, Type 1				
		& 2 errors, incidence,				
	1	a 2 circlis, merdence,			1	L

		prevalence & attributable			
		fraction			
	0	Perform trend analyses			
	0	Apply measures of			
		association (e.g. Relative			
		Risks & Odds Ratios),			
		confidence intervals &			
		p-values			
	0	Interpret measures of			
		association, confidence			
		intervals & p-values			
	0	Asses need for			
		multivariable analyses			
	0	Perform multivariable,			
		and/or regression			
		analyses			
	0	Assess the effect of			
		potential confounders			
	0	Assess whether effect			
		modification is present			
	0	Assess need for special			
		analyses, including			
		survival analyses, cost			
		effectiveness/ cost			
		benefit/cost utility			
		analyses			
	0	Create standard			
		epidemiology reports			
		including tables, graphs,			
		& charts necessary to			
		summarize findings			
sment &		results of the analysis &	-2	2 Basic Statistics Class	
vsis	draw conclu				
		knowledge of	-3	1 05	
		niologic principles &		Epi Courses from UNC Center for	
		ds to determine the validity		Public Health Preparedness	
	^	lemiologic data			
	0	Determine likely sources			
		of bias			
	0	Assess validity &			
		reliability of data			
		collection instruments &			
		methods			
	0	Determine other			
		limitations in study			
		design, sample selection,			
		data collection, analysis			
		& other features			
	0	Recognize the limitations			
		of significance testing			

	• Make causal inferences		
	based on principles of		
	causation (e.g. strength,		
	consistency, biological		
	plausibility,		
	dose-response, &		
	temporal relationship)		
	-27 Assess the impact of the		
	limitations on the study's results		
	• Examine the influence of		
	power & confidence		
	limits on the		
	interpretation of the		
	study's data		
	 Distinguish between a 		
	statistical association & a		
	causal effect		
	• Examine the likely		
	influence of other study		
	limitations on the results		
	-28 Identify key findings from the		
	study		
	 Interpret study's results 		
	in the context of current		
	scientific knowledge		
	• Estimate measures of		
	effect & potential impact		
	based on study's findings		
	• Identify any implications		
	to public health programs		
	• Develop inference &		
	conclusions from the		
	study		
	• Communicate results		
sment &	Recommend interventions & control	-2 Basic Epidemiology Courses like	
vsis	measures in response to epidemiologic	FOCUS on Epi from UNC Center for	
	findings	Public Health Preparedness	
	-29 Establish	^	
	cultural/social/political/economic		
	framework for recommendations		
	or interventions		
	• Describe study data in a		
	way that makes the		
	rationale for the		
	recommendations clear		
	• Relate study findings to		
	existing policies,		
	regulations, & laws as		
	well as environmental		
	factors (e.g. societal,		

	cultural, or other factors			
	that may affect the			
	recommendations or			
	interventions)			
	-30 Utilize scientific evidence in			
	preparing recommendations for			
	action or interventions			
	• Synthesize scientific			
	evidence & knowledge			
	for use in preparing			
	recommendations			
	• Identify the key types of			
	intervention for problem			
	from models of causation			
	(e.g.			
	host-agent-environment,			
	ecological models,			
	Haddon's strategies, etc.)			
	 Develop assessment of 			
	the potential impact on			
	the public's health from			
	alternative interventions			
	• Propose new			
	recommendations or			
	modifications to existing			
	interventions as			
	necessary based on study			
	findings			
	• Prioritize potential public			
	health interventions			
	 Link any recommended 			
	behavioral interventions			
	with necessary risk			
	communication & risk			
	reduction methods			
sment &	Evaluate programs	-36 Program Evaluation Course		
vsis	-31 Assist in development of			
	measurable & program-relevant			
	goals & objectives			
	-32 Assist in development of program			
	logic models & theories of action			
	-33 Identify surveillance & other data			
	for use in tracking program goals			
	& objectives			
	-34 Track progress toward program			
	goals & objectives			
	-35Communicate information on			
	progress toward program goals &			
	objectives to program managers			
	& staff for use I program			
			I	

	planning & modification		ر ۱	
Dublia	planning & modification	42 Dagia Infactions Diseases Comme		l
Public	Use knowledge of causes of disease to	-43 Basic Infectious Diseases Course		
h Sciences	guide epidemiologic practice	44 Devie Diele er German en biele ind		l
	-37 Relate basic etiologic processes	-44 Basic Biology Courses on biological		ĺ
	for human diseases to subject	mechanisms of disease and biological		l
	matter areas of interest (e.g.	processes		l
	infectious diseases, chronic			l
	diseases)			l
	-38 Apply understanding of human &			l
	environmental biology to			l
	determine potential biological mechanisms of disease			l
				l
	-39 Explain how genetics &			l
	genomics affect disease processes			l
	& public health policy & practice			İ
	-40 Apply principles of the			İ
	host/agent/environment model to			İ
	disease causation, prevention & control			l
	-41 Describe the role & influence of			l
	socio-behavioral factors			l
				l
	(including community, political, social, family, & individual			l
1	behavioral factors) in health risks			l
l	& health status			l
1	-42 Incorporate etiologic principles			l
1	into development of disease			l
1	prevention strategies			
Public	Use laboratory resources to support	-49 Tour of KY State Lab		l
h Sciences	epidemiologic activities	-50 Disease specific & generic guidelines		l
Il Delences	-45 Identify the roles & capabilities	from State lab		l
	of public health laboratories &			l
	other laboratories, & how they	-51 Basic Laboratory Science Course		l
1	are used in epidemiology			İ
1	investigations			l
1	-46 Coordinate laboratory &			l
l	epidemiology activities including			l
l	test selection, communication &			l
l	reporting results in the field			l
1	-47 Interpret laboratory data			İ
1	accounting for factors that			İ
1	influence the results of screening			
	& diagnostic tests			l
	-48 Implement necessary specimen			l
	collection, storage, &			l
	transportation measures			
Public	Apply principles of informatics,	-2 Epi Info or other statistics package		
h Sciences	including data collection, processing	course		
1	& analysis, in support of			
	epidemiologic investigations	-3 More training on upcoming		l

-52 Use full range of information	KYEPHRS system and tools that will	
technologies & communication	be available within the system	
tools necessary to support	•	
epidemiologic investigations &		
surveillance		
-53 Utilize software tools that		
adequately support on-line		
searching, public health data		
acquisition, entry, management,		
analysis, planning, mapping, &		
reporting		
-54 Apply all relevant procedures		
(policies) & technical means		
(security) to ensure the integrity		
& protection of confidential		
information in electronic files &		
computer systems		
-55 Combine data & information		
from multiple sources, to create		
new information to support		
public health decision-making		
• Determine whether new		
data collection is needed		
or existing data sets or		
systems can be mined		
• Participate in the		
development of new or		
enhancement of existing		
data bases to support		
epidemiologic		
investigations,		
surveillance, etc.		
• Utilize (or ensure the		
utilization of)		
interoperable data		
standards for storage &		
transmission, & be able		
to find the relevant		
standards specification as		
needed		
documents (guidelines,		
data sets) including with		
documented versions,		
dissemination methods &		
relevant standards		
specifications		

	Due no no mitte a la constance de la	(2 Decis Deblis Granting Class
nunication	Prepare written & oral reports &	-62 Basic Public Speaking Class
	presentations that communicate	
	epidemiologic findings to professional	-63 Basic PowerPoint Technique Class
	audiences, policy makers, & the	CA William for a single for instance 1
	general public	-64 Writing for scientific journals course
	-56 Identify audience, methods &	
	content for communication of	
	epidemiologic findings	
	 Identify target audience for communication 	
	-	
	report	
	 Identify optimal methods of communication for 	
	target audience -57 Communicate epidemiologic	
	findings to professional audiences	
	through written reports & oral	
	presentations	
	• Prepare abstracts either	
	for publication or for	
	presentation at scientific	
	meetings	
	 Prepare manuscripts for 	
	scientific publication	
	• Prepare summary reports	
	& memoranda for use	
	within the agency	
	• Use modern audio-visual	
	tools to maximize	
	communication	
	• Create charts, tables &	
	figures that communicate	
	to the targeted audience	
	-58 Communicate epidemiologic	
	information to the general public,	
	the press and/or to policy makers	
	through giving oral presentations	
	or developing or contributing to	
	development of written	
	documents	
	• Participate in the	
	development of press	
	releases for the general	
	public	
	• Participate in the	
	development of disease	
	prevention materials for	
	lay audiences	
	• Communicate scientific	

findings in a language		
tailored to the need of		
decision-makers, the		
press & other target		
audiences		
-59 Tailor surveillance information		
content & periodicity of		
dissemination for specific		
audiences & their uses		
-60 Respond to public queries about		
epidemiologic data or related		
issues		
-61 Demonstrate ability to explain or		
teach basic epidemiologic		
principles to non-epidemiologists		

nunication	Demonstrate the basic principles of	-2	Basic Risk Communication Class (like		
	risk communication		the one given this summer)		
	-65 Participate in developing risk				
	communication messages that	-3	FEMA Basic PIO Course		
	adequately convey epidemiologic				
	information relevant to particular	-4	Emergency Communications for		
	public health problems		Public Health Professionals course at		
	• Provide content to the		University of Washington School of		
	public information officer		Public Health & Community Medicine		
	& other relevant agency staff	-5	http://www.nwcphp.org/edu/riskcomm		
	 Review risk 				
	communication messages				
	for scientific accuracy &				
	clarity				
	-66 Use basic risk communication				
	principles to communicate				
	epidemiologic messages				
	• Refer inquires to the				
	correct spokespersons for				
	the agency				
	 Respond to media 				
	inquires as requested by				
	public health agency				
	• Adhere to the agency risk				
	communication strategy				
nunication	Incorporate interpersonal skills in	-2	KPHLI		
	communication with agency				
	personnel, colleagues, & the public	-3	How to manage meetings effectively		
	-67 Demonstrate ability to listen				
	effectively when epidemiologic				
	findings are being presented or				
	discussed				
	-68 Demonstrate interpersonal,				
	interdisciplinary,				
	transdisciplinary &				
	 multidisciplinary communication Lead discussions & 				
	participate in group				
	settings • Demonstrate ability to				
	-				
	respect & promote diverse opinions				
	D 1111				
	• Demonstrate ability to solicit input from				
	individuals & groups				
	 Demonstrate ability to communicate 				
	epidemiologic findings,				
	methodology &				
ļ	incurodology &			I	

principles when part of a multidisciplinary team -72 Risk Communication Course nunication Employ available & suitable communication technologies -69 Participate in the design of -73 Communication Technology Course	
nunicationEmploy available & suitable communication technologies-72 Risk Communication Course	
communication technologies	
-69 Participate in the design of -73 Communication Technology Course	
Web-based communication	
-70 Utilize policies that address -74 Possibly a training with KDPH IT	
security, privacy, & legal	
considerations when	
communication epidemiologic	
information via email, health	
alert networks, or other	
potentially public documents	
-71 Utilize effective educational &	
behavioral techniques &	
technological tools to promote	
public health (e.g., through	
community education, behavior	
modification, collaborative	
policy development, issue	
advocacy & community	
mobilization)	
nunityProvide epidemiologic input into-2MAPP Course	
nsions of epidemiologic studies & community	
ice public health planning processes at the -3 Basic Communications Course	
state or local level	
-75 Use information from the	
community & from health status	
assessments to aid in the design,	
interpretation, & conduct of	
epidemiologic studies	
• Utilize strategies for	
engaging communities in	
dialogue on health issues	
requiring study	
• Utilize strategies for	
reaching populations &	
individuals that	
traditionally may not	
have had the opportunity	
to participate in priority	
setting processes	
• Assist communities in	
identifying health	
priorities for study	
• Provide technical	
assistance to	
communities & outside	
partners with respect to	
surveillance,	

 epidemiological data & evaluation Maximize positive & mitigate negative aspects for communities of epidemiologic data collection, analysis & use -76 Provide epidemiologic input into an assessment of the local public health system to aid in state & local public health planning May out the different levels of governmental public health (local, state & federal) & their roles. & responsibilities in the community of the community of governmental in relation to community public health (local, state & federal) & their roles. Assess the funding stratemental in the community of governmental in relation to community or bubic health & epidemiology programs that affect the community or region that acch public health & epidemiology in the community or region that acch public health programs seeks to reach I Identify the epidemiology the community medical care delivery system C Characterize relation as streams for private each public health programs seeks to reach I Identify the populations the community or region that community or region that community or region that community or region that community or region that community or region that community or reach I Identify the populations the community or region that community or the community or region that community or region that community or region that community or region that community or region that community or region that community or region that community or region that community or region that co				
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 Identify environmental, social & cultural factors 	0	rganizations within the		
social & cultural factors				
that affect the				
	 tł	nat affect the		

nunity	 community's health Examine changes that are occurring or are expected to occur that affect the community's health or local public health system (i.e. a MAPP forces of change assessment) Identify threats & opportunities that arise from these changes Participate in development of 	-81 MAPP Course	
nsions of ice	 community partnerships to support epidemiologic investigations -77 Identify partners & stakeholders appropriate to an epidemiologic investigation -78 Develop community-specific participation strategies to engage the public in the planning, implementation, & evaluation of epidemiologic investigations when indicated -79 Clarify the roles of partners & stakeholders in the epidemiologic investigation -80 Demonstrate ability to develop & participate in & receive input into epidemiologic studies from task forces & other target audiences 	-82 Community Assessment Course	
nunity nsions of ice	Engage the public in the public health work & decision making of the Health Department when needed using mechanisms suitable to the circumstances	-2 Risk Communication Course-3 MAPP Course	
ral betency	Describe population by race, ethnicity, culture, socioeconomic, educational, and professional backgrounds, age, religion, and sexual orientation.	 -2 Cultural Competency Training (UNC Online Course) -3 Meaningful Exchange: Enhancing Cultural Competence of Public Health Personnel (DPH seminar) 	
ral petency	Establish relationships with groups of special concern (e.g. disadvantaged or minority groups, groups subject to health disparities, historically underrepresented groups) -83 Study historical context of populations' history and past treatment by public health system	 -85 Crisis & Emergency risk Communication Online Workshop – Michigan Department of Community Health 	

	-84 Develop mechanisms to receive input from groups of special concern into the design and conduct of epidemiologic practice.			
ral etency	 Design surveillance systems to include groups subject to health disparities or other potentially under-represented groups. (using standard categories where available) -86 Know standard used to define special populations -87 Know historical, social, and political contexts of standard categories -88 Know limitations of standard categories -89 Working with community as necessary to develop new categories if standard categories are unavailable -90 Design data collection tools to capture information needed to assess health disparities. -91 Design sampling plan to ensure sample size large enough to provide stable estimates in populations of interest. -92 Avoid potential adverse impacts of data collection on special populations. 	-93 Assessment Settings and People (UNC Center for Public Health Preparedness)		
ral betency	Conduct investigations using languages and approaches tailored to population. -94 Identify primary language of the population under study -95 Utilize knowledge of specific socio-cultural factors in the population	 -96 Epi Info Online: Analyze Data Sessions I – VIII (UNC Center for PH Preparedness) -97 Northwest Center for Public Health 		
ral petency	Use standard population categories or subcategories when performing data analysis			
ral etency	Utilize knowledge of specific socio-cultural factors in the population to interpret findings	-2 Data Analysis (UNC Center for Public Health Preparedness)		
ral betency	Recommend public health actions that would be meaningful to the affected community			
ral	Communicate findings to affected	-3 Communicate to Make a Difference:		
		·	·I	

oetency	community using mechanisms that are	Exploring Cross Cultural
	tailored to that community/special	Communication (NY/NJ PH Training
	population.	Center web-based course)
cial and	Conduct epidemiologic activity in a	-103 Program Planning & Evaluation
ational	manner that is aligned with financial	
ing and	and operational plan of the agency.	-104 KPHLI
gement	-98 Describe personnel, staffing,	
	travels, and other needs for	-105 Management Course
	epidemiologic activity.	
	-99 Maintain accurate records.	
	-100 Assist in preparation of	
	proposals for extramural funding	
	• Identify funding needs	
	for epidemiology activity	
	• Identify funding	
	opportunities for	
	epidemiology activity	
	• Prepare proposals, in	
	whole or in part, to obtain funding for epidemiology	
	activity.	
	-101 Adhere to financial rules of	
	agency	
	• Describe financial rules	
	of agency	
	• Follow financial rules of	
	agency	
	-102 Follow chain of command	
cial and	Use skills that foster collaborations,	-108 MAPP Training or
ational	strong partnerships, and team building	Collaboration/Networking Training
ing and	to accomplish epidemiology program	
gement	objectives	-109 Assessment Competencies (UNC
	-106 Build collaborative	Center for Public Health
	relationships with key personnel	Preparedness)
	of other agencies relevant to the	
	particular epidemiology activity	
	-107 Collaborate and cooperate	
	with other epidemiology project	
	team members of diverse backgrounds and education.	
cial and	Clarify roles and responsibilities of all	
ational	participants in epidemiologic	
ing and	activities.	
gement		
ership and	Promote shared vision to drive action.	-2 Crisis Leadership: Leadership at the
ms Thinking	-110 Assist in strategic planning	Speed of Light (NC Center for PH
	• Describe process for	Preparedness)
	organizational strategic	
	planning	-3 KPHLI
	• Identify internal and	
	· · ·	

	external issues that may		
	impact delivery of		
	essential public health		
	services (competency		
	from Council on		
	Linkages)		
	• Facilitate collaboration		
	with internal and external		
	groups to ensure		
	participation of key		
	stakeholders		
	(competency from		
	Council on Linkages)		
	\circ Participate in the		
	development of strategic		
	priorities and associated		
	action plans.		
	-111 Implement change		
	• Demonstrate individual		
	skills necessary to		
	implement change,		
	including ability to		
	support change during		
	times of chaos		
	• Demonstrate ability to		
	function as member of a		
	team during change		
	processes.		
	• Participate in monitoring		
	and sustaining		
	organizational change.		
ership and	Conduct performance driven work.		
ms Thinking	-112 Contribute to development,		
	implementation and monitoring		
	of organizational performance		
	standards		
	 Demonstrate Knowledge 		
	of performance standards		
	 Adopt and implement 		
	performance standards		
	-113 Take action to improve		
	program performance.		
ership and	Promote ethical conduct	-118 Public Health Ethics	
ms Thinking	-114 Demonstrate ethical conduct		
	in personal behavior	-119 KPHLI	
	-115 Promote ethical conduct in		
	organization's policies and		
	practices including emphasis on		
	addressing health disparities.		
	-116 Make expectations of ethical		

	conduct clear to team members			
	-117 Monitor ethical conduct on			
	the part of team members.			
ership and	Promote workforce development	-2	Mentoring Training	
ms Thinking	-120 Promote ongoing team			
	learning	-3	KPHLI	
	 Periodically assess the 			
	proficiency of team	-4	Workforce Development in Public	
	member's skills against		Health (UNC Center for Public Health	
	standard competency sets		Preparedness)	
	 Identify professional 			
	development			
	opportunities for team			
	members			
	• Assure that team			
	members take advantage			
	of development			
	opportunities			
	-121 Demonstrate knowledge of			
	workforce, workplace and other			
	issues that impact recruitment			
	and retention.			
	-122 Practice professional			
	development			
	 Assess own skills and 			
	abilities against current			
	and projected future job			
	needs.			
	 Obtain necessary 			
	education and training to			
	meet required skills and			
	abilities.			
ership and	Prepare for emergency response (from	-2	Incident Command (Anniston)	
ms Thinking	Columbia University Bioterrorism and			
	Emergency Readiness competencies –	-3	Principles of Emergency Management	
	form Public Health Leaders and Public		(KYEM)	
	Health Professionals)			
	-123 Perform emergency response		IS – 700	
	planning.	-5	IS – 800	
	• Create epidemiology			
	section of emergency			
	response plan.			
	• Communicate			
	epidemiology			
	information, roles,			
	capacities, and legal			
	authority to all			
	emergency response partners – such as other			
	public health agencies,			
	public health agencies,			

	and other government			
	agencies – during			
	planning, drills and actual			
	emergencies.			
0	Maintain regular			
	communication with			
	emergency response			
	partners.			
0	Assure that the agency			
	(or agency unit) has a			
	written regularly updated			
	epidemiology section of			
	emergency response plan for major categories of			
	emergencies that			
	provides for continuity of			
	agency operations.			
0	Participate in regular			
0	exercises of all parts of			
	emergency response.			
0	Participate in the			
-	evaluation of emergency			
	response drill (or actual			
	response) to identify			
	needed internal and	-6 ICS for Public Health (UNC Center		
	external improvements in	for Public Health Preparedness)		
	epidemiologic			
	preparedness and			
	response capacity.			
0	Assure that knowledge			
	and skill gaps identified			
	through emergency			
	response planning, drills,			
	and evaluation are			
	addressed.			
0	Participate in continuing			
	education to maintain			
	up-to-date knowledge in areas relevant to			
	emergency response			
	(e.g., emerging infectious			
	diseases, hazardous			
	materials, and diagnostic			
	tests.)			
-124 Res	pond to public health			
emerge				
0				
	for emergency response			
0	Describe the			
	epidemiology role in			
			-	-

	emergency response in a		
	range of emergencies that		
	might arise		
	\circ Describe the chain of		
	command and		
	management system		
	("incident command		
	system" or similar		
	protocol) for emergency		
	response in the		
	jurisdiction.		
	• Describe one's own role		
	within the jurisdiction's		
	chain of command and		
	management structure		
	 Adhere to individual's 		
	role in incident command		
	and incident management		
	 Maintain regular 		
	communication with		
	partner professionals in		
	other agencies involved		
	in emergency response.		
7	Participate in development of public	-129 Health Law & Ethics (Pitt	
opment	health policies	Community College)	
	-125 Demonstrate understanding of		
	how policy decisions are made at	-130 Communicable Disease Law (KY)	
	the local, state, and national level		
	• Describe breadth and	-131 Reading & Translating Epi	
	limitations of existing	Information/Technical Information	
	regulations and laws at	Unit 1 and 2 (UNC Center of Public	
	agency, local, state and	Health Preparedness)	
	federal level that affect	-132 Continuous Improvement	
	epidemiology activities	Measurement and Sustainability	
	-126 Provide epidemiologic	(UNC Center of Public Health	
	o Demonstrate to	Preparedness)	
	 Demonstrate to decision-makers the 	i repareditessy	
	value of epidemiology		
	and other evidence in		
	developing policy		
	 Provide epidemiologic 		
	and evidence-based		
	information and data in		
	the development of new		
	policies, including data		
	that demonstrate the need		
	for change in existing		
	policies		
	 Participate in creating 		
			I

	decision memos that			
	outline policy alternatives			
	and facilitate			
	scientifically-sound			
	decision-making			
	-127 Participate in translation of			
	public health policies into			
	epidemiology roles in programs			
	or plans			
	-128 Demonstrate ability to use			
	designated channels to influence			
	policy decisions made by entities			
	other than the public health			
	agency (such as dealing with			
	elected officials or their staff)			
7	Participate as a team member in	-2	Yearly Personnel Evaluation	
opment	evaluating policies affecting			
	epidemiology programs	-3	Program Evaluation	
	-133 Examine the impact of			
	policies on achieving	-4		
	epidemiology program goals and		Institute (University of	
	objectives		Florida/University of Minnesota)	
	• Develop an evaluation			
	plan to assess program			
	performance			
	-134 Provide epidemiologic			
	information on program			
	performance to inform public			
	health policy			
	 Collect epidemiologic information to monitor 			
	the implementation of policies			
	• Develop the evidence base to allow assessment			
	of policy effectiveness.			

	Preparedness Training Coordinator Competencies					
npetency	Sub-Competency	7	Possible Training	This candidate has demonstrated competency in this by (this column to be filled by mentor):	Date Con	
competence n and entation of aining and education.	 -2 Formulate a wide varie alternative educational -3 Select strategies best su implementation of educ objectives in a given se -4 Plan a sequence of lear opportunities building reinforcing mastery of objectives. -5 4. Match educational training to training objective 	methods. nited to cational etting. ning upon, and preceding content of	Course work or training in health education, adult learning theory, public health theory.			
t ence in ting ient of g needs.	 -2 Pretest learning to asce present abilities and kn relative to proposed pro objectives. -3 Perform evaluation of e activity, drills, and actu incidents to identify fut training needs. -4 Coordinate training need have been identified du preparedness planning. 	owledge -6 ogram -7 exercise hal ture eds which iring	KY Dept. of Public Health, MAPP Community assessment training KY EM exercise evaluation			
strate dge of the il Incident ement and t md.	 -2 Provide training on NII ICS. -3 Respond to incidents u -4 Evaluate ICS and NIM execution in exercises, actual incidents. 	sing ICS7 S -8 drills, and -9	IS-200 IS-700 IS-800 ODP WMD ICS			
tand the and ion of plans.	 -2 Evaluate exercise activ -3 Assist with After Action -4 Identify training needs the evaluation. -5 Identify the different ty exercises (tabletop, drill function, and full-scale understand the scope an purpose of each. 	n Reports. as part of ppes of ll, s) and	Exercise Design and Evaluation, An Introduction to Community Exercise (KY EM)			

Preparedness Training Coordinator Competencies

strate an anding of itucky Health , National Core ins of Public and the sential Health s.	 -2 Plan training for emergency/disaster response in coordination with the core functions of public health. -3 Target training for public health professionals within the scope of the ten essential public health services. -4 Know public health's possible roles and responsibilities to public health emergencies. 	 -5 HHS, Basic Public Health Course -6 KPHLI -7 TRAIN -8 Columbia University Emergency Core Competency for all Public Health Workers 	
strate ence in the ogy of and sm.	-2 Conduct training on the mental health needs of responders to disaster and terrorism.	-3 KCCRB Psychology of Disaster TTT	
strate l diversity/ ence.	 -4 Obtain information about social and cultural environments, needs and interest of targeted audience. -5 Train responders to plan and prepare for special needs populations. 	 -6 Cultural competency and/or special population training -7 Emergency Preparedness for Elders Daycares, Schools, Non-English Speaking, etc. 	
strate ence in g for all 5 planning.	-2 Train personnel and community in areas such as first aid, CPR, family disaster planning, tornado, earthquake, flood, evacuation, shelter in place, fire, and power outage emergency preparedness, implications, and possible response in coordination with existing business continuity plans.	 -3 First Aid Certification -4 CPR certification -5 CERT, EM 101 	
strate ence in ive nication, ogical, and er tions.	 -6 Act as a regional point of contact for TRAIN. -7 Assist with the training for Health Alert Network. -8 Facilitate and coordinate KY Teleconference, satellite, and datacast, webcast trainings and 	-11 KYDPH, Basic Computer class i.e. college, technical school etc.	

	 meetings. -9 Develop PowerPoint presentations and trainings to address training needs when appropriate. -10 Assist with training on communication equipment such as satellite phones. 		
strate ence in risk nication.	 -2 Train community partners and public information officers in risk communication. -3 Train public information officers to act within the appropriate chain or command and joint information systems. -4 Demonstrate knowledge in risk communication and joint information centers and systems. 	 -5 Risk Communication Training/PIO Training -6 IS-700/800 (CDC, EMI, KYEM) 	
strate dge of al, cal, gical, gical, , and ve ncies and se.	-2 Assist with training for public health response to CBRNE as outlined in emergency response plans.	-3 Weapons of Mass Destruction-4 BT 101	
strate dge of the ic National le program.	 -5 Train public health professionals, medical community, and volunteers on the resources available through SNS. -6 Train public health professionals, medical community, and volunteers on the receipt, management and distribution of SNS as outlined in emergency response plans (mass vaccination/distribution). 	-7 CDC SNS training module, KY DPH	
strate dge of al protective ent and ive ions ted with e biological	-2 Train public health professionals, first responders, medical community, and volunteers on proper handing and protective equipment when responding to biological events.	-3 OSHA -4 Epi Training	

s and ng infectious			
strate ence in pidemiology les and s.	 -5 Incorporate basic epidemiological principles into training. 	-6 Epi for Everyone-7 College Epi course-8 Epi Rapid Response Team Training	
community ations, e people ential s for and ce in e to public emergencies.	 -9 Promote preparedness and response training to regional community organizations, resource people and potential partners. -10 Maintain working relationships with regional community organizations, resource people and potential partners. -11 Coordinate training with community organizations, resource people and potential partners. 	-12 CERT and MRC TTT	

	r repareuness Coorumator Competencies							
tency	Sub-Competency	Possible Training	This candidate has demonstrated competency in this by (this column to be completed by mentor):	Da Comj				
rship	-2 Receptive to new ideas and innovative solutions and modifies own thinking and behavior accordingly.	 -2 KPHLI (Kentucky Public Health Leadership Institute) -3 On-line courses per <u>http://www.sph.unc.edu/nccphp</u> for: -4 BT Leadership 						
	-3 Promotes the development of a shared vision for organizational success.	-5 Public Health Ethics						
	 -4 Is able to operationalize the mission of the organization within personal scope of work. -5 Promotes need to understand "present reality" to determine strategies to reach vision of "preferred future." 							

Preparedness Coordinator Competencies

tency	Sub-Competency	Possible Training	This candidate has demonstrated competency in this by (this column to be completed by mentor):	Da Comj
lership	 -2 Understands and supports the contribution of other agency programs relative to achieving the public health vision, mission. -3 Promotes the formulation of a collective vision for a healthier community. -4 Facilitates a dialogue among multisector organizations and stakeholders about strategies to attain and sustain healthier communities. -5 Participates with other components in community health system to create systems that support health. -6 Influence the use of community institutions and organizations in their efforts to improve community way of life. -8 Manages program within budget constraints. 	 -6 Grant Writing & Budgeting for Public Health Programs -7 On-line courses per http://www.nynj-phtc.org for: -8 Introduction to Public Health (for those without a Public Health background) -9 Comprehensive Curriculum Resource (for those without a Public Health background) -10 Understanding Budgets -11 Mentoring Program 		
unication	 -2 Establish emergency communications roles and responsibilities for bioterrorism/emergency response. -3 Ensure, coordinate, or contribute to the development and 	 -2 Basic Public Speaking Class -3 Basic PowerPoint Technique Class -4 Basic Risk Communication Class -5 FEMA Basic Public Information Officer Class -6 Cross-Cultural Communications available on-line at www.nynj-phtc.org -7 Health Alert Network Module available on https://ky.train.org -8 Limited English Proficiency Module available on 		

	delivery of accurate event-specific, science-based risk communication messages to the public, to health care providers, to the media, and to the response community during a bioterrorism/emergency event.	 <u>https://ky.train.org</u> -9 Psychology of Disaster and Terrorism sponsored by the KCCRB (Ky. Community Crisis Response Board) -10 Risk Communication available on line <u>http://a2a38.a2hosting.com/zope/riskcomm/over view</u> -11 Terrorism, Preparedness and Public Health available on-line <u>http://www.ualbanycphp.org</u> 	
-4	Generate a bioterrorism/emergency response plan for the public health information staff that is integrated with the emergency response plan for the agency.		
	Maintain a system for 24hr/7days notification or activation of the public health emergency response system.		
-3	Identifying and recommending participants to receive access to the Kentucky Health Alert Network (KyHAN) collaboration tools.		
-4	Gather and enter applicable demographic data from local health responders and stakeholders identified by local planning activities.		
-5	media This data will be entered into the state role based contact directory via the Internet. Maintain the accuracy of		
-5	this data by periodic testing of local communication infrastructure and phone/email based follow up.		
-6	Gather applicable		

demographic data from individuals in the community who can assist in risk communication activities (i.c., spokesperson, news outlet] role based contact directory via the Internet and maintain the accuracy of this contact drab product review. -8 Develop and expand relationships necessary to innprove the capacity (in conjunction with Department for Public Headth and Ky. Emergence Management public, information officials) to communicate immediately and reliably with the public, healthcare providers, the response community, the media, and elected officials, -9 community members at level of understanding. -10 reactions in a sign and protities. -11 reactions and earnes in ord(reactions) ord more size cultural sensitivity in interactions </th <th></th> <th></th> <th></th> <th></th> <th></th>					
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organization.	l				
-15 Uses technology to			-		
		-15	Uses technology to		

	 facilitate communication among individuals and groups within the organization. -16 Understands social and marketing principles and consumer behavior. -17 Projects message of public health to community constituents with level and content of message appropriate to audience. -18 Promotes culturally sensitive and relevant dialogue regarding community health issues. -19 Able to work with media to increase public's knowledge of and support for public health. -20 Communicates effectively both in writing and orally, or in other ways. -21 Advocate for public health programs and resources. -22 Leads and participates in groups to address specific issues. -23 Uses the media, advanced technologies and community networks to communicate information. -24 Effectively presents accurate demographic, statistical, programmatic, and scientific information for professional and lay audiences. -25 Designate or serve as a media spokesperson during a bioterrorism or emergency event. 		
rmation agement	-2 Facilitates the sharing of client information by providers within legal and ethical constraints. (i.e.,	-2 Needs Assessment Training-3 MAPP Training	

				1	
	immunizations, etc.)	-4	KYEPHRS System and Tools Training available		
-3	Collects information		through KY DPH		
	regarding current health				
	research, treatment				
	effectiveness, and/or				
	innovative programs for				
	dissemination within				
	organization.				
-4	Collects and utilizes data				
	on community				
	infrastructure including				
	social, economic, and				
	political indicators.				
-5	Collects data on				
	organization operations:				
	programs, resources,				
	services,				
	constituents/clients				
	served, etc. for planning,				
	evaluation, and				
	accountability purposes.				
-6	Promotes use of				
	appropriate technology to				
	facilitate data				
	organization, retrieval,				
	and utilization.				
-7	Provides ongoing training				
	and technical assistance to				
	organizational members to				
	improve data collection				
	methods and utilization of				
0	information.				
-8	Identifies and organizes				
	information on				
	community resources:				
	social services,				
	educational, political, business, faith				
	communities, support				
	systems, etc.				
-9	Identifies and organizes				
	information about local				
	health (public and private)				
	system: referral networks,				
	providers,				
	prevention-oriented				
	organizations, alliances,				
	etc.				
-10	Collaborates with other				
	health system and public				
	agencies to facilitate the				

	transmission of data in format that can be utilized	
	by policy makers.	
ssment,	- Under the direction and	- Participate in quarterly meetings held by staff from
ning &	coordination of the	the Public Health Preparedness Branch for technical
luation	Division of Epidemiology	guidance in issues related to preparedness
	and Health Planning	assessment, planning, exercises, and evaluation.
	through the Public Health	- Participate in video conferencing held between
	Preparedness Branch, will	quarterly meetings for opportunities to receive
	facilitate a process for	additional assistance from state staff with the ability
	strategic direction,	to interact.
	coordination, and	- Needs Assessment Training (i.e., MAPP or
	assessment of public	PACE-EH Training)
	health emergency	- Epi Training (ERRT) available on line at
	preparedness activities.	https://ky.train.org
	This structure will	- FEMA on-line courses available at <u>www.fema.gov</u>
	establish a coordinated	- IS 100 an introduction to Incident Command
	and integrated process for	System
	setting goals and	- IS 200 ICS for Single Resources and Initial Action
	objectives, implementing	Incidents
	work plans with timelines,	- IS 700 National Incident Management
	monitoring progress and	Systems-Introduction
	allocating resources.	- IS 800 National Response Plan-Introduction
	- Develop, exercise, and	- Comprehensive Exercise Curriculum (CEC)
	evaluate comprehensive	- Master Exercise Practitioner Program (MEPP)
	public health preparedness	-2 The following courses are available on line at
	and response plans (All	www.sph.unc.edu/nccphp
	Hazards Emergency	-3 Public Health Agency Emergency Planning I & 2
	Operations Plans).	-4 Bioterrorism/Disasters
	- Develop scalable plans	-5 Bioterrorism Public Health
	that support local,	-6 Bioterrorism Agents
	regional, and statewide	-7 Bioterrorism Pharmacy
	responses to incidents of	-8 Bioterrorism Mental Health
	bioterrorism, catastrophic	-9 Bioterrorism Technology
	infectious disease, such as	-10 Chemical Terrorism
	pandemic influenza, other	-11 Disaster Planning & Recovery
	infectious disease	-12 Risk Assessments
	outbreaks, and other	-13 Standards, Assessments & Audits
	public health threats and	-14 Sedgwick County MMRS: Mass Pharmaceutical
	emergencies.	Dispensing Medication Prep Video
	- Plans should include the	-15 CDC-Preparedness Programs
	development of crisis	-16 Mentoring Program with a designated planner or
	mental health services.	emergency manager.
	- Plans should include	
	emergency mutual aids	
	and/or compacts.	
	- Plans should include	
	hospitals and other	
	medical care providers.	
	- Develop and maintain a	
	Strategic National	

	Stockpile preparedness		
	component within the		
	organization's All		
	Hazards Emergency		
	Operations Plan. These		
	plans should include		
	detailed preparations to		
	receive, store, manage,		
	and rapidly administer		
	vaccines, and other		
	pharmaceuticals to large		
	populations.		
	Plans and maintains		
	population and		
	environmental		
	surveillance systems to		
	identify health problems		
	in community by		
	magnitude, duration,		
	trends, and population at		
	risk.		
-	Participate in planning		
	and implementation of		
	KyEM regional		
	HAZMAT teams, and		
	integrate team capacities		
	into local and regional		
	response activities.		
-2	Collaborate with KyEM to		
	plan, execute, and analyze		
	regional "all hazards"		
	exercises that will stress		
	regional planning		
2	strategies.		
-3	Exercise all plans		
	annually to demonstrate		
	proficiency in responding		
	to bioterrorism, other infectious disease		
	outbreaks, and other		
	public health threats and emergencies.		
1	Analyze, revise, and		
-4	update local and regional		
	plans in accordance to		
	deficiencies recognized		
	through exercises.		
-	Progressing gradually in		
-	exercise proficiency from		
	instructional tabletop		
	exercises to executing		
	exercises to executing		

	mock drills for receiving,		
	managing, and dispensing		
	prophylactic medications		
	or vaccines from the		
	Strategic National		
	Stockpile.		
-	Collaborate with		
	community and regional		
	partners to identify,		
	organize, and train		
	volunteers that will be		
	needed to staff response		
	activities.		
-	Implement a volunteer		
	credentialing process.		
-	Maintain updated listing		
	of volunteers.		
-	Complete an integrated		
	assessment of public		
	health system capacities		
	related to bioterrorism,		
	other infectious disease		
	outbreaks, and other		
	public health threats and		
	emergencies to aid and		
	improve planning,		
	coordination, and		
	implementation using the		
	assessment tool: CDC		
	Local Emergency		
	Preparedness Response		
	Inventory, 8/2003.		
	Collaborating with		
	regional emergency		
	response partners will do		
	this.		
-	Conduct vulnerability and		
	threat assessments related		
	to chemical or		
	radiological material and		
	collaborate with		
	emergency preparedness		
	partners to develop		
	regional response		
	strategies.		
-	Collects and utilizes		
	community information		
	and data that provide a		
	context for analyzing		
	health problems and		
	seeking acceptable		

	-	interventions. Evaluates interventions according to effectiveness, economic feasibility, and acceptability to targeted population and community at large. Assesses the capacity of the organization to meet community needs and expectations. Identifies the need for, and the direction of, adaptation and change within the organization. Surveys the community as to perceived needs and priorities. Communicates health status data to community. Develops process for participatory planning with community. Develops strategy to strengthen community infrastructure and to mobilize community support.		
ership & boration	-	Ensure interagency collaboration to enhance local, regional, and statewide readiness. Collaborate and coordinate with all local and regional emergency response partners (i.e., KEMA, Hospitals, clinics, physicians, nurses, pharmacists, veterinarians, law enforcement, local government, emergency medical services, fire and rescue, HAZMAT, transportation agencies, etc.). Collaborate with hospitals, pharmacies, and other medical resources to develop antibiotic inventories to prophylaxis	-2 The Community Based Emergency Response Program sponsored by The Group http://www.health.loukymetro.org	

	local first responders	
	within the first 6 hours of	
	an event.	
-	Collaborate and	
	coordinate with county	
	Ky. Emergency	
	Coordinators and	
	Managers to plan medical	
	response strategies for	
	Annex M for each county	
	KyEM Emergency	
	Operations Plan.	
-	Collaborate with HRSA	
	(Health Resources and	
	Services Administration)	
	regional preparedness	
	partners to ensure:	
-	Integration of county and	
	regional planning and	
	response strategies	
-	Effective coordination	
	with state and federal	
	response assets	
-	Mutual cooperation with	
	hospitals, the medical	
	community, and others to	
	plan critical health and	
	mental health services	
-	Development of strategies	
	for management of mass	
	casualties and mass	
	shelter or treatment	
	facilities.	
-2	Collaborate and	
	coordinate with	
	emergency response	
	partners in border states.	
	Public health planners	
	from local and district	
	health departments that lie	
	on state borders will	
	attend interstate meetings	
	for discussion of the	
	Strategic National	
	Stockpile deployment and	
	distribution strategies.	
-2	Facilitates interaction	
	among groups to	
	communicate needs and	
	identify effective solutions	
	to health problems.	

	-4 -5 -2 -3 -4	Catalyzes and facilitates organizational change through building a shared vision of success. Encourages cross training and transfer of skills. Provides opportunities for diverse talents and perspectives to be utilized in cross-functional councils or quality improvement teams. Emphasizes service delivery built on community partnerships and coalitions. Collaborates with other agencies in common and coordinated efforts. Is knowledgeable about community resources to meet needs and improve health status. Utilizes group processes to organize and catalyze community constituents to improve health status.		
stems	-2 -2	Shows outcomes and benefits of prevention and preparation in order to get communities to take responsibility for their own health. Is receptive to new ideas and innovative solutions and modifies own thinking and behavior accordingly. Promotes and manages change as a process for positive growth and continuous quality improvement. Generates organizational policy, processes, and procedures to support performance of core public health functions and provision of essential health services.	-2 Bioterrorism Policy and Planning and Public Health Law are available on line @ www.sph.unc.edu/nccphp	

		Acknowledges that a problem exists and involves stakeholders at all levels of the organization in its solution.		
	-2	Understands that a public health organization is one component of a dynamic community health system in a time of rapid change and role redefinition.		
	-2	Provides health-related data and information showing relationships, trends, and patterns in a format that is clear and useful to community policy makers.		
		Anticipates consequences of alternate solutions to community health problems.		
	-4	Involves relevant stakeholders in the definition and the formulation, implementation, and evaluation of the solution.		
	-2	Participates with the other components of health system in ensuring conditions with the community in which people can be healthy.		
moting alth & venting sease		Knows disease process in individuals; understands the determinants of disease and the appropriate care interventions. Provides disease prevention and clinical	 -2 ERRT Training Modules -3 SARS Module -4 Pandemic Influenza Module -5 UK Disease Surveillance Module -6 These are all available on <u>https://ky.train.org</u> -7 CDC Preparedness Programs 	
	-4	care services in a manner consistent with the mission, priorities, and resources of the health organization. Maintains surveillance methodology to determine the incidence and		

	prevalence of disease in		
	individuals and		
	communities.		
-2	Knows current guidelines		
	for prevention, disease		
	intervention, and therapy		
	including the etiologic,		
	risk, and contributing		
	factors related to		
	communicable disease.		
-2	Provides technical		
	assistance in		
	epidemiological		
	interpretation of data.		
-3	Maintains established		
	professional standards		
	(i.e., medical licensure,		
	certification, etc.).		
-4	Knows and communicates		
	morbidity and mortality		
	patterns in communities.		
-5	Acts as a community		
	resource through		
	surveillance and		
	investigation of health		
	hazards.		
-2	Provides		
	recommendations to		
	community constituents		
	regarding improvement of		
	health status through		
	interruption of disease		
	transmission patterns and		
	modification of		
	environmental,		
	occupational, and		
	behavioral risk factors.		
-3	Provides training and		
	technical assistance to		
	employers/businesses		
	related to improved		
	sanitation and/or safety		
	techniques.		
-4	Enforces current standards		
	of sanitation and safety.		
-5	Knows other community		
	resources with similar		
	mission and/or		
	responsibilities.		

Assessment and Certification Process

- 1 All Epidemiologists, Preparedness Planners, and Preparedness Training Coordinators are to participate in a Mentoring Program
 - To be determined by State
 - Recommend: at least 2 days per month for six months with a subject matter expert.
- 2 Upon completion of Mentoring Program, the Mentor will evaluate the Mentee based upon the Competency Set and check-off areas met.
- 3 Kentucky Public Health Preparedness Examining Committee (to include local Epidemiologists, Preparedness Coordinators, and Training Coordinators) to review all training certificates to ensure that all competencies are met.
- 4 Certification issued by State Dept. for Public Health based upon completion of Mentoring Program as well as completion of approved trainings that address all competency areas.
- 5 Education/Degree curriculum will be considered and can substitute for required trainings.
- 6 To maintain certification, 12 hours of CEUs must be completed each year.
- 7 CEUs must be reported to the Examining Committee on a yearly basis by submitting copies of certificates. (utilize TRAIN as an electronic tracking device)
- 8 The Examining Committee will maintain a database of certified personnel.
- 9 All current employees with more than 1 year experience as an Epidemiologist, Public Health Preparedness Coordinator, or Public Health Preparedness Training Coordinator will be credentialed in based upon the trainings completed and experience.
- 10 All employees with less than 1 year experience shall complete the competency-based curriculum and mentoring program.

Mentoring Component

- 1 Mentor selection
 - Must have 2-3 years experience in current position.
 - Must volunteer to be in program.
 - Must complete recommended Mentor Training Program.
 - Must be willing to dedicate 2 days per month to Mentee.
 - Must be willing to dedicate other time as needed to do evaluation and answer questions the Mentee might have.

Mentor will be assigned by the Examining Committee.

Kentucky Department for Public Health Program Implementation Checklist					
Not Started	In progress	Complete			
			Establish Kentucky Public Health Preparedness Examining Committee		
			Identify/develop trainings thru the Kentucky Department for		
			Public Health or Schools of Public Health based on competencies		
			identified.		
			Conduct an assessment of the applicability of the competency		
			sets. (ex. CSTE assessment of Applied Epidemiology		
			Competencies)		
			Credential Existing staff based upon competency based training.		
			Establish and maintain a database of certified Public Health		
			Preparedness Staff (utilize ESAR-VIP)		
			Recruit/train mentors from credentialed staff.		
			Implement Public Health Preparedness credentialing program for new hires.		