

CDC Terrorism Preparedness and Emergency Response: Education Strategy and the CPHP Program

February 23, 2005

Lynn Steele

Preparedness Education and Workforce Lead
Coordinating Office of Terrorism Preparedness and Emergency Response
Centers for Disease Control and Prevention



SAFER • HEALTHIER • PEOPLE™



Terrorism Preparedness / Emergency Response Education Strategy and Programs

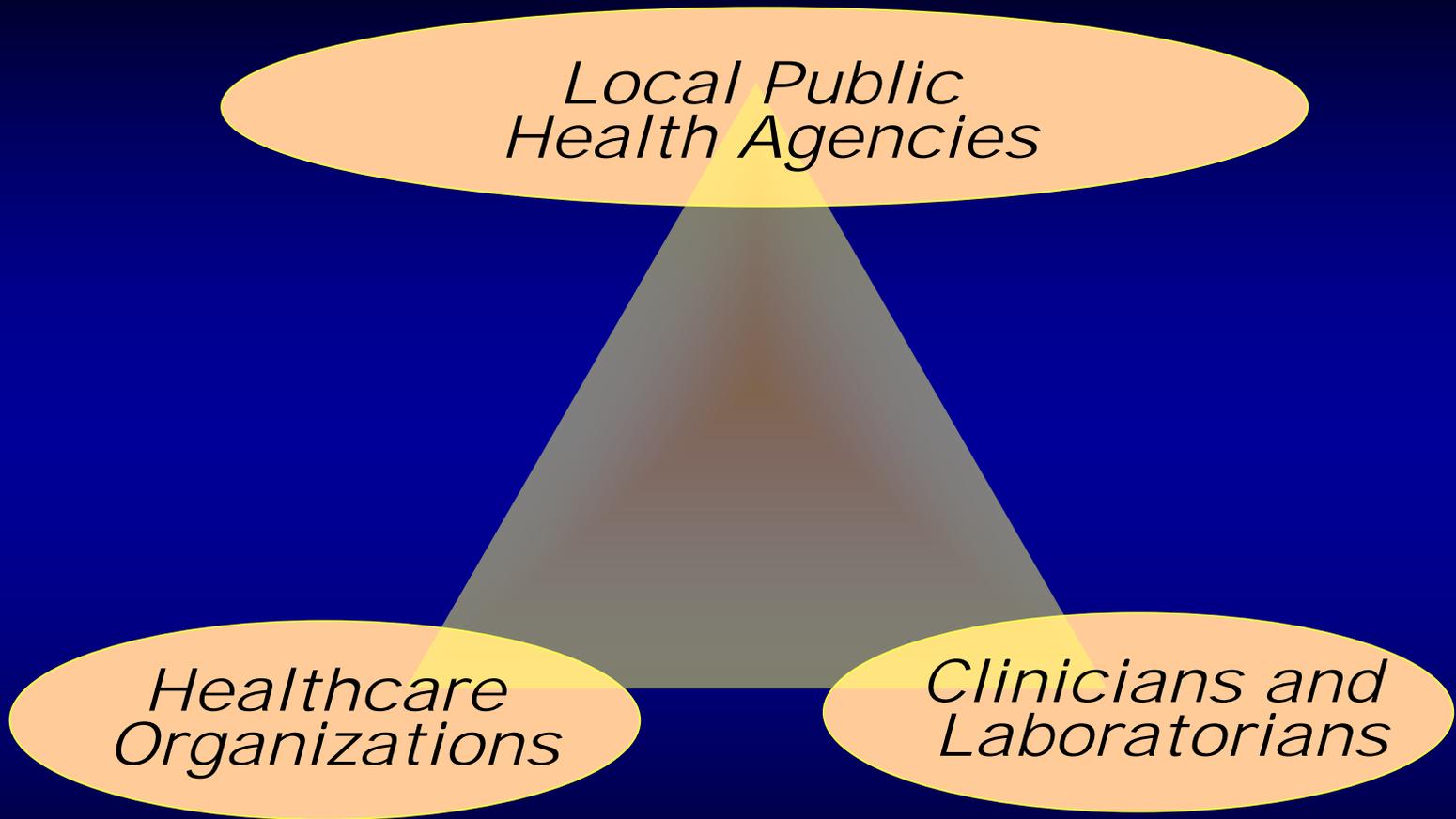
- Improve quality and quantity of public health “preparedness and response” workforce
- Drive toward standards-based programs
- Assure ongoing funding based on performance, efficiently applied to avoid duplicative efforts, and support for long-term sustainable programs
- Build strong relationships between academic and practice partners
- Build on excellent work already complete or underway
- Support and nurture flexibility



SAFER • HEALTHIER • PEOPLE™



"Golden Triangle" of Local Health Preparedness and Response



JAMA, January, 2002



SAFER • HEALTHIER • PEOPLE™



CDC Coordinating Office of Terrorism Preparedness and Emergency Response

Initiated Fall 2002 as model coordinating office for all CDC terrorism preparedness efforts

Goals:

- Provide strategic direction for CDC to support preparedness and emergency response efforts
- Distribute resources to support activities
- Ensure systems are in place to monitor performance and manage accountability
- Coordinate communication with other federal agencies (DHHS, DHS, GAO, etc.)



SAFER • HEALTHIER • PEOPLE™



CDC Comprehensive Preparedness Education Strategy

1. Prepare CDC emergency responders

EIS, emergency deployment, field staff, project officers, others;
developed competencies in 11 domains for CDC responders
for targeted education/training

2. Support CDC staff-provided education

CDC programs and staff provide education to State/local health
departments and public health, clinicians, laboratorians

3. Support and better coordinate CDC-funded partner education

State/local BT grantees, Centers for Public Health Preparedness,
others



SAFER • HEALTHIER • PEOPLE™



CDC Preparedness Education and Training Priorities for FY2005

1. Support CDC competency-based emergency response training
2. Identify and fill gaps in web-based preparedness information for critical audiences (1° focus on clinicians)
3. Project and implement national preparedness distance-learning calendar based on S/L grantee education needs
4. Support programs that maximize outreach
5. Build evidence base for effective learning



SAFER • HEALTHIER • PEOPLE™



State and Local BT Grantee Education and Training: Next Steps

- Coordinate educational planning and programs --- a cross-cutting function across all focus areas
- Implement preparedness education programs based on identified needs
- Maximize use of available local / regional educational resources



SAFER • HEALTHIER • PEOPLE™



CDC Centers for Public Health Preparedness (CPHP)

- Funded initially in 2000 (n=4; Now ~ \$35 M annual investment)
- Success dependent on linkage with state and local health agencies
- New 2004 CPHP Program incorporate related programs:
 - Academic Centers for Public Health Preparedness (A-CPHP) – 23 accredited Schools of Public Health
 - Specialty Centers for Public Health Preparedness (S-CPHP) – 18 university-based Schools of Medicine, Veterinary Med, Nursing, Colleges, University Medical Science Centers, etc. (funded via congressional earmark)



SAFER • HEALTHIER • PEOPLE™



Shared Vision for CPHP Program

Fall 2003

- Define role and contribution to workforce readiness; focus on preparedness education and training
- CPHP work should focus on
 - 1) meeting **pre-determined community needs**
 - 2) contributing to **national preparedness agenda (network)**
- All CPHP activities
 - Performance-based
 - Support public health preparedness goals
 - Contribute to life-long learning
 - Option A: Readiness training for existing workforce
 - Option B: Graduating students with readiness skills



CPHP Reverse Site Visits, Feb-Mar 2004

Scheduled to Inform CDC of Program/Progress

21 CPHPs (faculty from Schools of Public Health) presented in half-day formats in Atlanta accompanied by 93 government public health practice partners

Goals:

- 1) Describe progress to date
- 2) Identify common themes, successes, challenges,
- 3) Provide input to CDC for future program direction – inform RFA being developed



SAFER • HEALTHIER • PEOPLE™



CPHP Reverse Site Visits, Feb-Mar 2004

Major Findings

1. Ties between state / local public health agencies & CPHPs strong
2. Wide range of specialty areas evolving (e.g. mental health preparedness, education evaluation, rural preparedness)
3. BT/ER competencies (Columbia U.) used as starting point, but modification needed
4. Standards-based curriculum needed (discipline-specific)
5. Credentialing / Certification programs being investigated (e.g. Project Public Health Ready)
6. Graduate programs & MPH emphasis on emergency preparedness offered



Centers for Public Health Preparedness New Program Announcement, 2004

5-year Program Goals

1. Strengthen workforce readiness through programs of lifelong learning
2. Strengthen capacity at State/local levels for terrorism preparedness, emergency response
3. Develop network of academic-based programs contributing to national TPER strategy by sharing resources and expertise

Program priorities for FY2005

- Maximize outreach of existing educational materials
- Build evidence base for effective preparedness education



SAFER • HEALTHIER • PEOPLE™



Current CPHP Program Participants

Schools of Public Health (n=23)

- SUNY Albany
- UC Berkeley
- Columbia
- Emory
- Harvard
- Iowa
- Johns Hopkins
- Michigan
- Minnesota
- Ohio State
- Oklahoma
- Pittsburgh
- U South Carolina
- St Louis U
- Tulane
- U Alabama–Birmingham
- UCLA
- U Illinois-Chicago
- UMD New Jersey
- U South Florida
- U North Carolina
- U Texas – Houston
- Washington



Current CPHP Program Participants

Other College /University-based programs* (n=18)

Medicine

- U Miami
- New York U
- U Georgia
- U Michigan

Hospital / Health Science Centers

- Emory U
- U Louisville
- Oklahoma
- U Nebraska
- U Pittsburgh
- Thomas Jefferson U

*Funded by congressional earmark or via other CDC programs



SAFER • HEALTHIER • PEOPLE™



Current CPHP Program Participants

Other University-based Programs* - continued

Biological Sciences

- N Arizona U
- U Findley
- Kent State U

- Vanderbilt U, College of Nursing
- Iowa State U, Veterinary Medicine
- St Louis U, School Public Health (focus on clinicians)
- Burlington Community College
- Monterey Institute of International Studies

*Funded by congressional earmark or via other CDC programs



SAFER • HEALTHIER • PEOPLE™



CPHP Program Core Program Activities

- Develop (*if does not exist*), deliver, evaluate education programs based on needs of community public health / health workforce
- Work with ANY jurisdiction, maximal collaboration S/L partners
- Implement programs for learning, including
 1. Preparing students, academic programs with preparedness focus
 2. Training current PH / Health workforce for preparedness and response, including response competencies, skill-building and leadership



CPHP Planned Program Activities Sept 2004-2005

380 preparedness education activities --- reach over 265,000 learners

- o 243 programs targeted for state/local PH workers

Others include

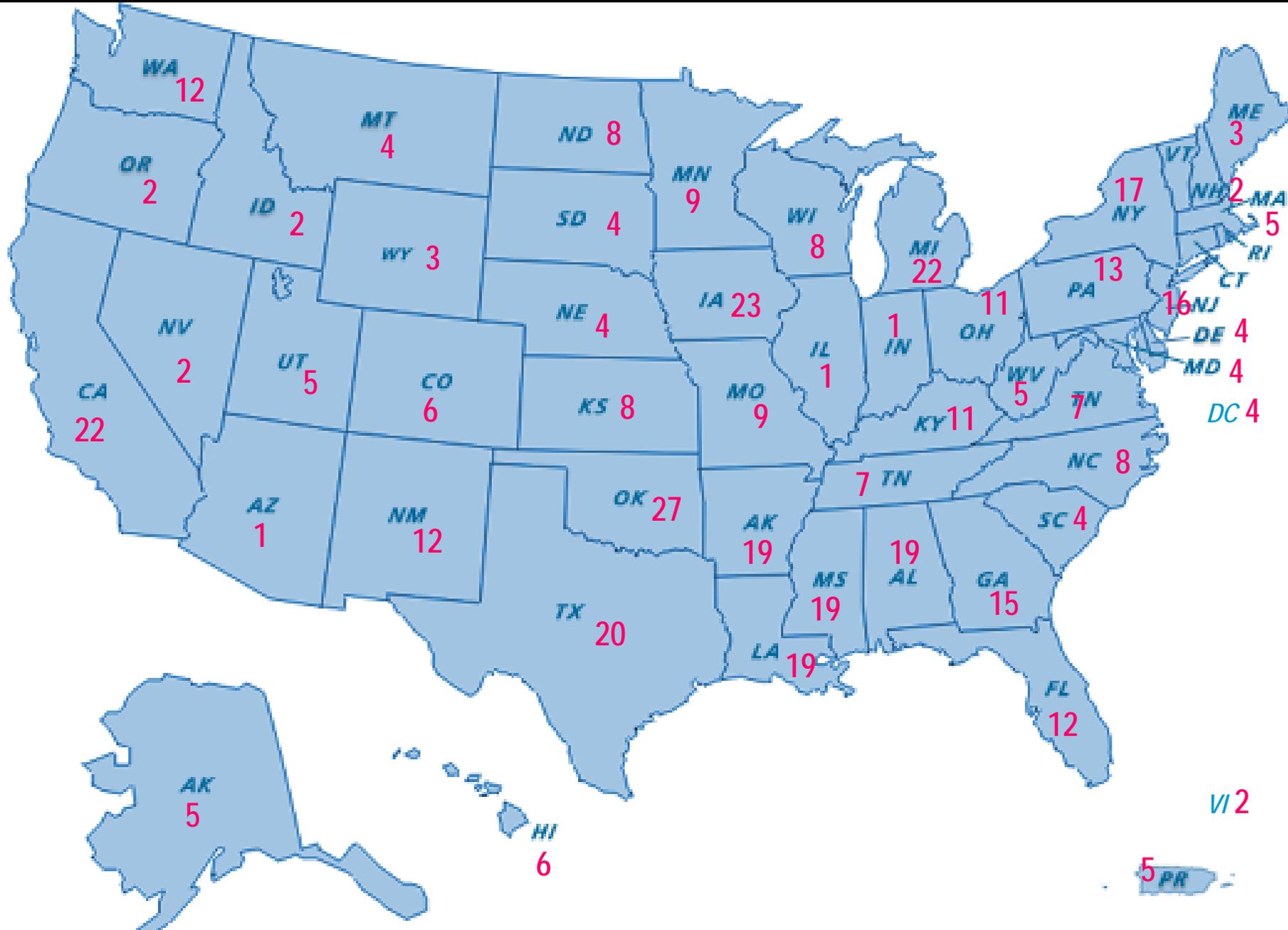
- o Leaders (29 educational programs)
- o Epidemiologists (8)
- o Environmental health (12)
- o Clinician / healthcare workers (91)
- o 1st responders (36)
- o Tribal health workers (10)
- o Pharmacists (19)
- o Veterinarians (4)
- o Public Safety workers (20)
- o Business and civic leaders (15)



SAFER • HEALTHIER • PEOPLE™



CPHP Planned Partner Education Activities, Sept 2004-2005



CPHP Program Network Activities

Network Coordinator --- Association of Schools of Public Health (ASPH)

- Vital role in helping CDC manage CPHP Network
- Maintain CPHP Resource Center and CPHP Education Offerings Calendar
- Key convener of collaborative ("exemplar") groups
- Broker CPHP expertise and services
- Convene representative Consultation Committee comprised of CPHP members / Deans



SAFER • HEALTHIER • PEOPLE™



CPHP Program Network Activities

- Contribute to CPHP Resource Center all preparedness education resource developed or utilized in program activities
 - ✎ Course or program title / audience
 - ✎ Learning objectives &/or targeted competencies
 - ✎ Evaluation results
 - ✎ Ongoing use or delivery of course / materials
 - ✎ **What is available for sharing with others** (e.g. web-based course, slides, speaker notes, course outline, etc)
- Participate in collaborative group activities to create national preparedness resource reference documents



Centers of Public Health Preparedness Program Network Collaboration Activities

Network Exemplar groups (19)

- Charge: To compile educational “toolkits” around common curricula, courses, methods, programs

“Toolkits” – written compilations comparing existing CPHP preparedness resources

- Convened by Topic areas, key Audiences, educational Methods



SAFER • HEALTHIER • PEOPLE™



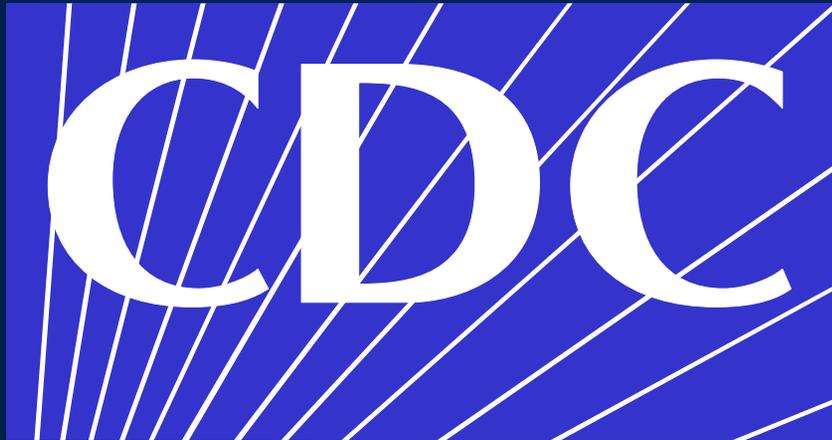
Centers of Public Health Preparedness Network Proposed Exemplar Groups

1. Mental preparedness
2. Legal preparedness
3. Cross-border prep'ness
4. Rural preparedness
5. Field Epidemiology
6. Environmental prep'ness
7. Incident Command
8. Occupational prep'ness
9. Standard discipline-specific prep'ness educ
10. University preparedness
11. Leadership preparedness
12. Clinician preparedness
13. Local PH preparedness tools
14. Grad student "EIS" programs
15. Prep'ness educn evaluation
16. PH prep exercises/drills
17. PH certification
18. Distance-learning prep educ
19. Train-trainer for prep educ



SAFER • HEALTHIER • PEOPLE™





**CENTERS FOR DISEASE™
CONTROL AND PREVENTION**

To contact me: LSteele@cdc.gov

Centers of Public Health Preparedness Network Proposed Short-term Collaborations

1. Chem / Radiological prep
2. GIS for preparedness
3. Veterinary prep'ness
4. Inf Dis / BT preparedness
5. Cultural competence
6. Isolation / quarantine
7. SNS / Pharm prep'ness
8. Food / water safety
9. Informatics for prep'ness & response
10. Clinical lab preparedness
11. Nurse preparedness
12. 1st responder preparedness
13. Media / journalist prep'ness
14. Tribal nations preparedness
15. Lessons learned, Israel
16. Pediatric preparedness
17. Geriatric preparedness
18. Measuring cost-effectiveness of preparedness education



SAFER • HEALTHIER • PEOPLE™



CDC Terrorism Preparedness / Emergency Response Information and Education Considerations

“Just in case”: Information needed by frontline PH professionals and clinicians to recognize illness caused by terrorist agents

- Delivery: Ongoing rollout; didactic, interactive, web-based formats; distance learning

“Just in time”: Information that can be immediately accessed by PH professionals and clinicians when presented with suspect or known persons affected by terrorism events

- Delivery Real-time; continuous updates; quick communication



SAFER • HEALTHIER • PEOPLE™

