



Kick-off Workshop:



“Enhancing the Roles of State and Local Government
In an Integrated Prevention-Oriented Food Safety System”

June 17, 2008

CDC Foodborne Illness Activities: Collaborations with Local, State and Federal Partners

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Categories of CDC Foodborne Illness Activities



- **Surveillance and response (epidemiological investigations)**
 - Monitoring of human illness
 - Investigating cases of new or unusual illnesses (e.g. outbreaks)
- **Applied Research**
 - Develop new laboratory and epidemiological methods
- **Infrastructure and Training**
 - Assistance to state//local health departments
- **Disease Control & Prevention**
 - Education, communication, information
 - Recommendations and guidelines
 - Advice, consultation to states, FDA, USDA



Specific Activities

- **PulseNet**
 - Molecular subtyping: DNA “fingerprints”
 - Detects clusters of illness
 - Network includes all states, USDA/FSIS, FDA
- **FoodNet**
 - Laboratory-based active surveillance
 - Sporadic enteric illnesses
 - 10 sites (44 million persons), USDA/FSIS, FDA
 - Monitor trends in burden
- **NARMS**
 - Monitors bacterial resistance to antibiotics
 - USDA/FSIS, FDA/CVM



Specific Activities, cont'd 1



- **OutbreakNet**
 - Network of local, state, and federal officials
 - Investigate clusters of illness and outbreaks
 - eFORS/NORS used to report outbreaks
- **EHS-Net**
 - Environmental Health Specialists Network
 - Identify contributing factors (antecedents)
 - Food handling practices, bare-hand contact etc.
 - 9 states, FDA
- **DPDx**
 - Rapid parasite identification
 - 52 PHLs in 48 states



Specific Activities, cont'd 2



- **CaliciNet**
 - **Norovirus testing in PHLs**
 - **Genetic strain identification**
 - **Most common FB outbreak**
- **ELC-Epidemiology and Laboratory Capacity for Infectious Diseases**
 - **Cooperative agreements with 50 states, 2 territories, and 6 cities**
 - **Direct assistance for capacity building**
 - **Monitor, investigate, prioritize, develop policy**
- **Cooperative agreements with associations**
 - **APHL, CSTE, NACCHO**
 - **Capacity surveys, demonstration projects, etc**



Specific Activities, cont'd 3



- **Epi-Ready Team Training Program**
 - **Managed by NEHA, piloted in 2003**
 - **27 regular courses, 5 Train-the-trainer courses**
 - **1,258 graduates, 121 trainers**
 - **New distance learning capacity**
- **Computer-based epidemiologic case studies**
 - **Botulism in Argentina**
 - ***E. coli* O157:H7 Infection in Michigan**
 - **Gastroenteritis at a University in Texas**
 - ***Salmonella* in the Caribbean**



CIFOR

Council to Improve Foodborne Outbreak Response

- AFDO, APHL, ASTHO, CSTE, NACCHO, NEHA, FSIS/USDA, FDA, CDC
- Mission: to improve foodborne disease surveillance, outbreak detection, investigation, control, and reporting at the local, state, and federal levels
- Systems approach is used to identify and prioritize components needing improvement (barriers)
- Develop projects to address barriers



Current CIFOR Projects



- On-line clearinghouse of resources
- Overall program guidelines
 - Program performance indicators
 - Guidelines for multi-jurisdictional outbreaks
- Cluster analysis
- Lab/Epi data systems
- Increase availability of training
- Illness complaint systems
- Industry workgroup



Guidelines Purpose and Intent



- To aid governmental agencies that are responsible for preventing and managing foodborne disease
- To serve as a foundational resource for anyone involved in food safety programs
- To harmonize foodborne disease investigation work across all agencies
- Not intended to replace existing procedure manuals



Target Audience



- **Primary: agencies at the local and state level**
- **Secondary: federal public health and food regulatory agencies**



Development Process

- **Workgroup formed to develop draft**
- **Technical experts to provide support and guidance**
- **Lead author to coordinate overall effort and merge and revise all elements.**



Workgroup Members

- John Besser, MN DOH
- Subha Chandar, NACCHO
- Nausheen Saeed, NACCHO
- Jack Guzewich, FDA
- Tim Jones, TN DOH
- Maria Rishoi, NACCHO
- Michele Samarya-Timm, Franklin Township Health Dept., NJ
- Scott Seys, FSIS, USDA
- Don Sharp, CDC
- Jennifer Lemmings, CSTE
- Tanja Walker, CSTE
- Lakesha Robinson, CSTE
- Carol Hooker, Hennepin County Health Dept., MN
- Ian Williams, CDC
- Kristen Larson, DHMH, MD
- Adam Reichardt, ASTHO



Technical Experts

- **Paul Blake**
- **Richard Hoffman**
- **Dennis Perrotta**
- **Jeanette Stehr-Green**
- **Craig Hedberg**



Development Process

- **Conducted literature review and collection of existing guidelines**
- **Created draft table of contents**
- **Conducted 19 key informant interviews**
- **Created language to describe audience and purpose**
- **Conducted a round table discussion at 2007 annual CSTE conference**



Development Process

- Identified technical experts to serve as leads on each chapter
- Created chapter drafts according to the original outline
- Drafts reviewed and modified by workgroup
- Drafts reviewed and modified by CIFOR
- Drafts reviewed and modified by external review group



Overview of Draft

- **Work in progress**
- **Comprehensive but not stand-alone**
- **Detailed information and recommendations**
- **Model practices**
- **To be developed -- tools to make the document easier to use**



Table of Contents



- 1. Practical Guide (to be done)**
- 2. Fundamental Concepts**
- 3. Planning and Preparation**
- 4. Surveillance and Detection**
- 5. Investigation**
- 6. Control Measures**
- 7. Multi-jurisdictional Outbreaks**
- 8. Performance Indicators**
- 9. Legal Issues**



Thank you!