



Council to
Improve
Foodborne
Outbreak
Response

Detect • Investigate • Control • Prevent

Council to Improve Foodborne Outbreak Response (CIFOR)

[Name]

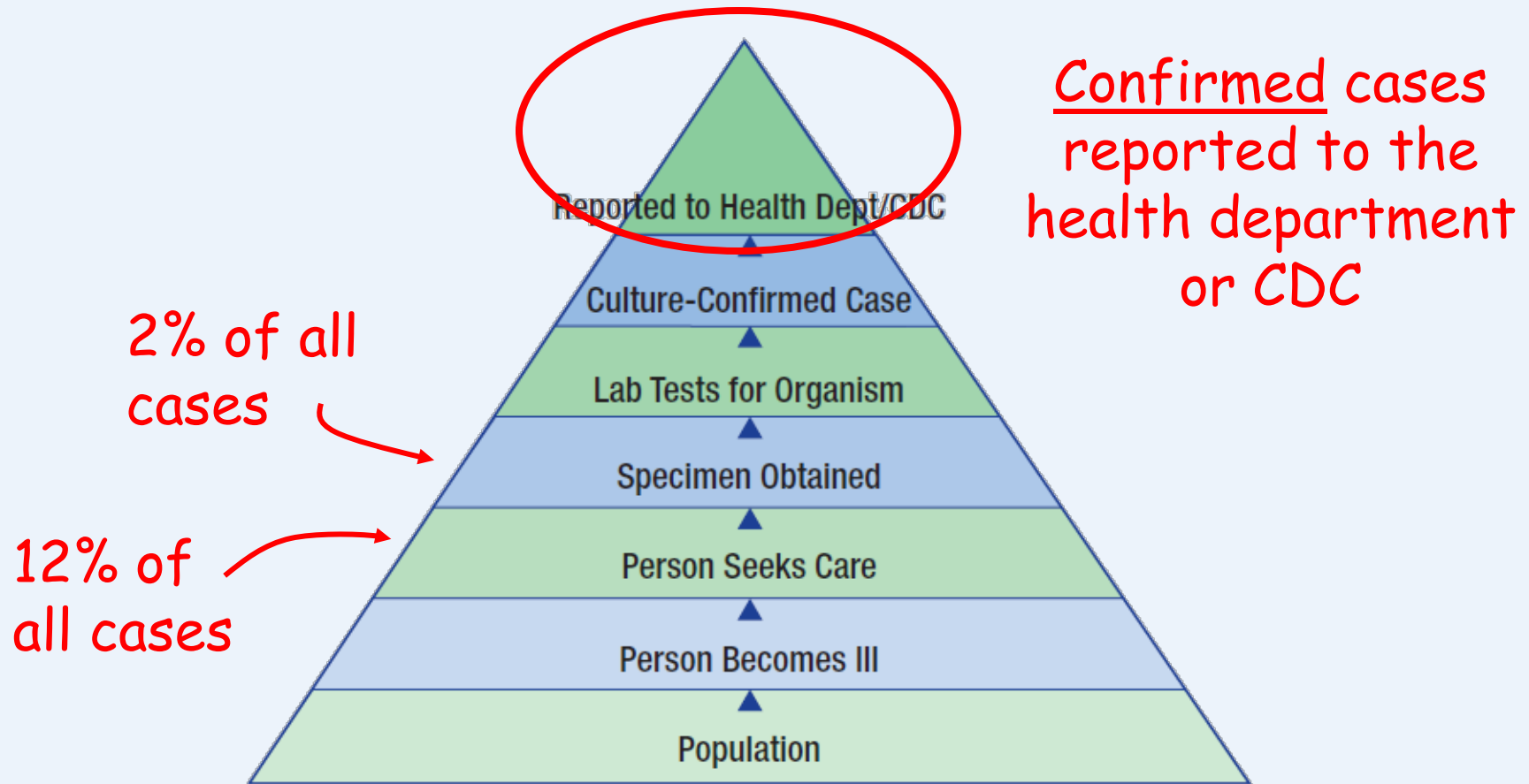
[Meeting]

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Focus of this Presentation

- **The burden of foodborne diseases in the U.S.**
- **About CIFOR:**
 - **Structure**
 - **Vision & mission**
- **Current CIFOR Projects**

Burden of Foodborne Diseases*

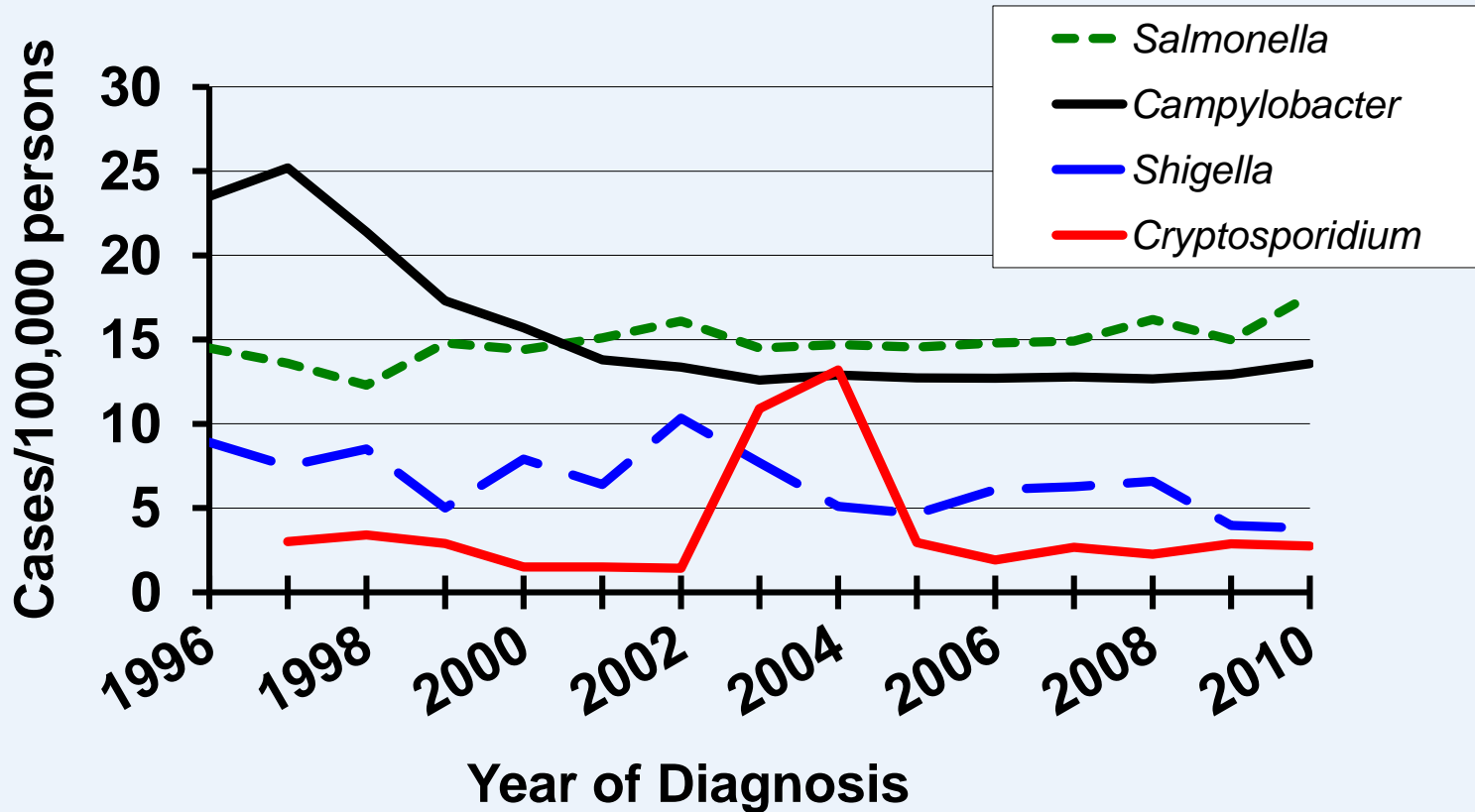


*From Angulo, 1998

Incidence of Foodborne Diseases

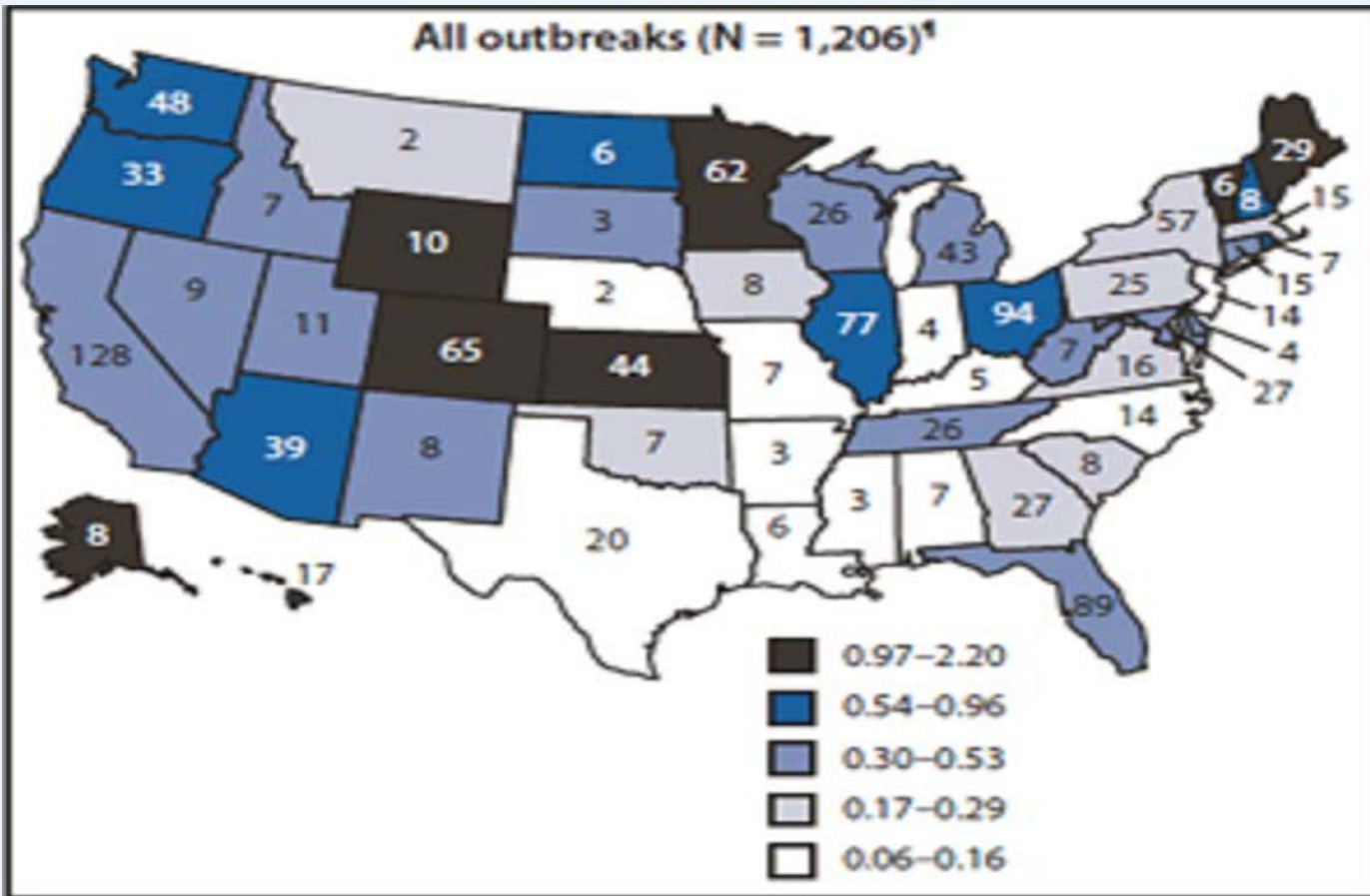
- **Every year in the U.S., foodborne diseases cause an estimated:**
 - **47.8 million illnesses (2011)**
 - **>1,000 reported outbreaks (2011)**
 - **6% of outbreaks are multi-jurisdictional**
 - **128,000 hospitalizations (2011)**
 - **3,000 deaths (2011)**
 - **Salmonella alone costs \$365 million in direct medical costs a year (2011)**

Incidence of Selected Foodborne Diseases, FoodNet Sites*, 1996-2010



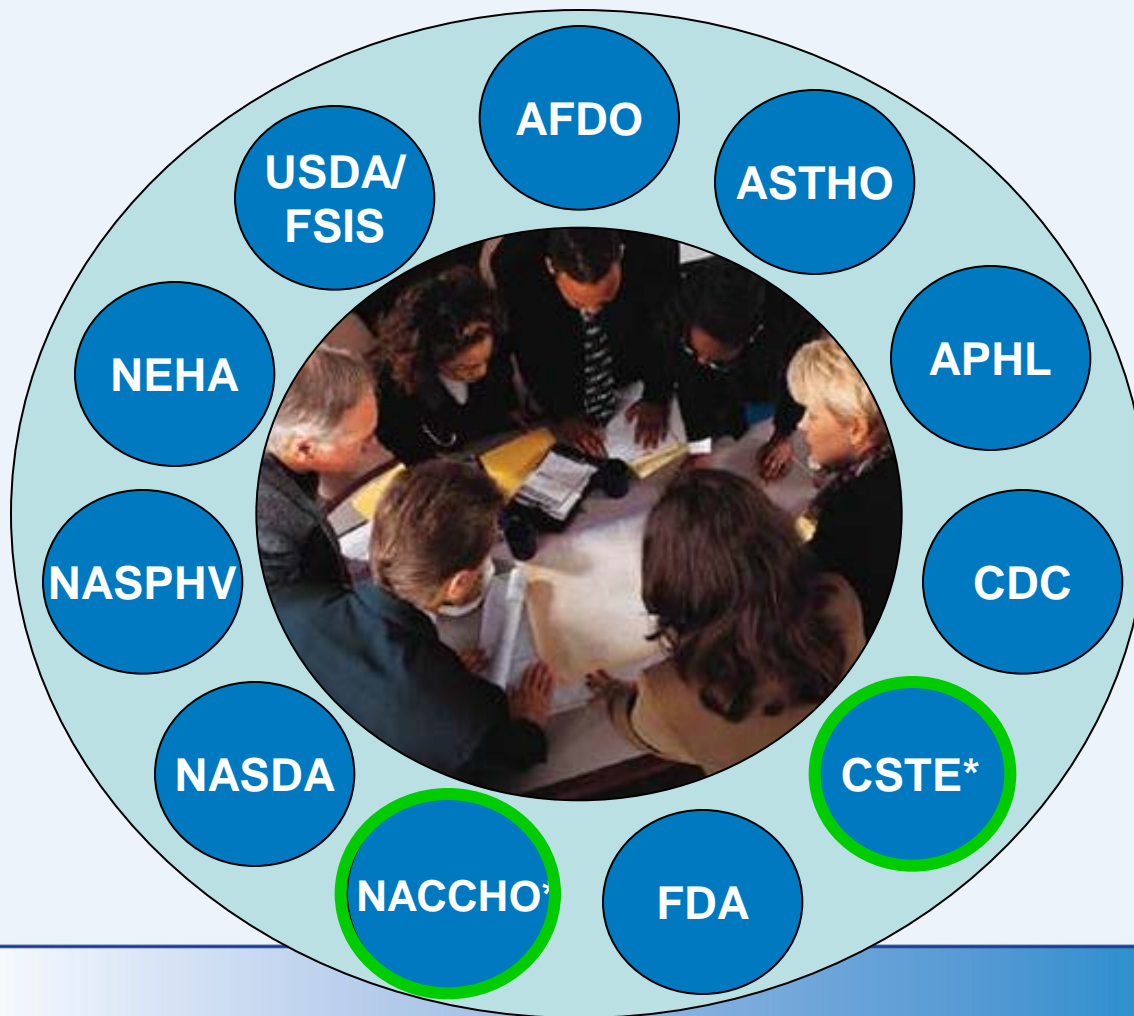
*California, Connecticut, Colorado, Georgia, Maryland, Minnesota, New Mexico, New York, Oregon, and Tennessee

Rate of Foodborne Disease Outbreaks per 100,000 population* by State, United States, 2008



[¶] Includes 17 multistate outbreaks that are assigned as an outbreak to each state involved.

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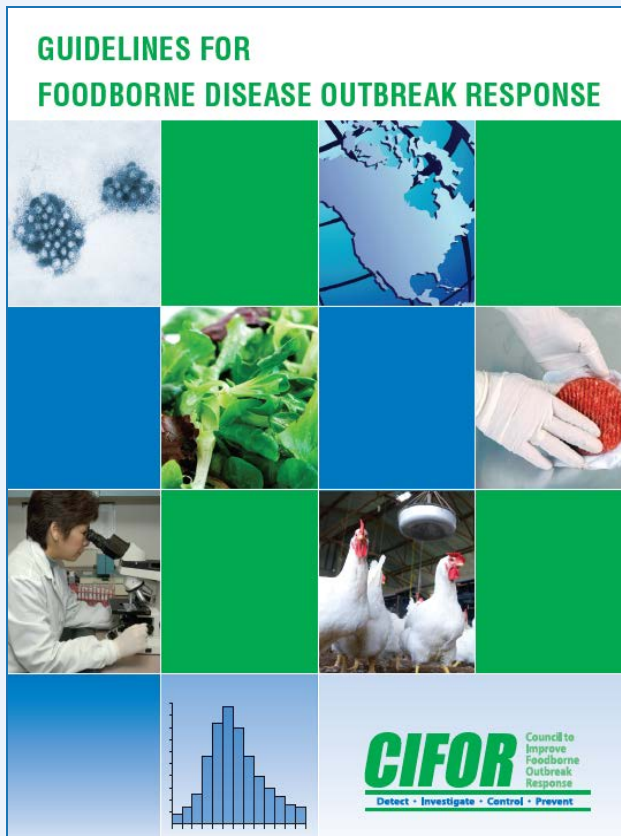
About CIFOR

- **Vision**: Local, state, and federal partners collaborating effectively to reduce the burden of foodborne illness in the U.S.
- **Mission**: To improve methods at the local, state, and federal levels to detect, investigate, control, and prevent foodborne disease outbreaks.

About CIFOR

- **CIFOR member organizations**
- **Governance Committee: APHL, ASTHO, CDC, CSTE, FDA, NACCHO, NEHA**
- **Workgroups:**
 - Clearinghouse
 - Epi/Lab Reporting
 - Guidelines/Toolkit
 - Evaluation
 - Law Project
 - Industry (Food facilities outbreak response, Recall, Traceability)
 - Marketing/Website
 - OUE
 - PulseNet Cost-effectiveness
 - Training
 - Workforce Capacity

CIFOR *Guidelines for Foodborne Disease Outbreak Response*



- Developed by a workgroup with representatives from state, local, and federal levels as well as all disciplines
- Based on existing guidelines and practices
- Incorporated input from external reviewers and public review process

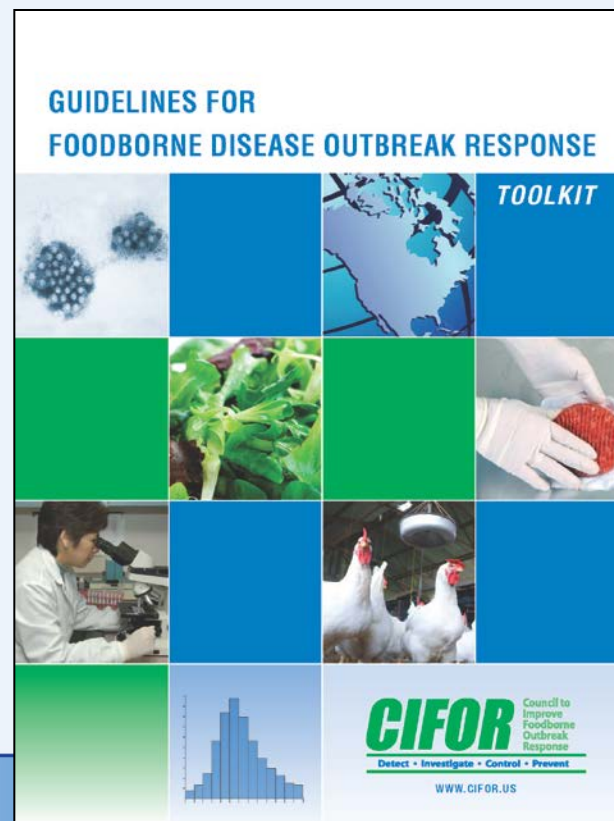
CIFOR *Guidelines*

- **Description of major functions in outbreak response**
- **Specific practices to improve outbreak response**
- **Performance indicators to determine effectiveness of activities**
- **Comprehensive but not stand-alone**
- **Does not provide instructions for implementing any particular recommendation**

CIFOR *Guidelines* Toolkit

A process and supporting materials to help agencies and jurisdictions:

- Better understand their current foodborne disease outbreak response activities
- Become more familiar with the *CIFOR Guidelines* and recommended practices
- Identify appropriate activities to improve performance
- Make plans to implement those activities



CIFOR Toolkit Steps

Preparation: select participants, assemble supporting documents, prioritize Focus Areas

Then:

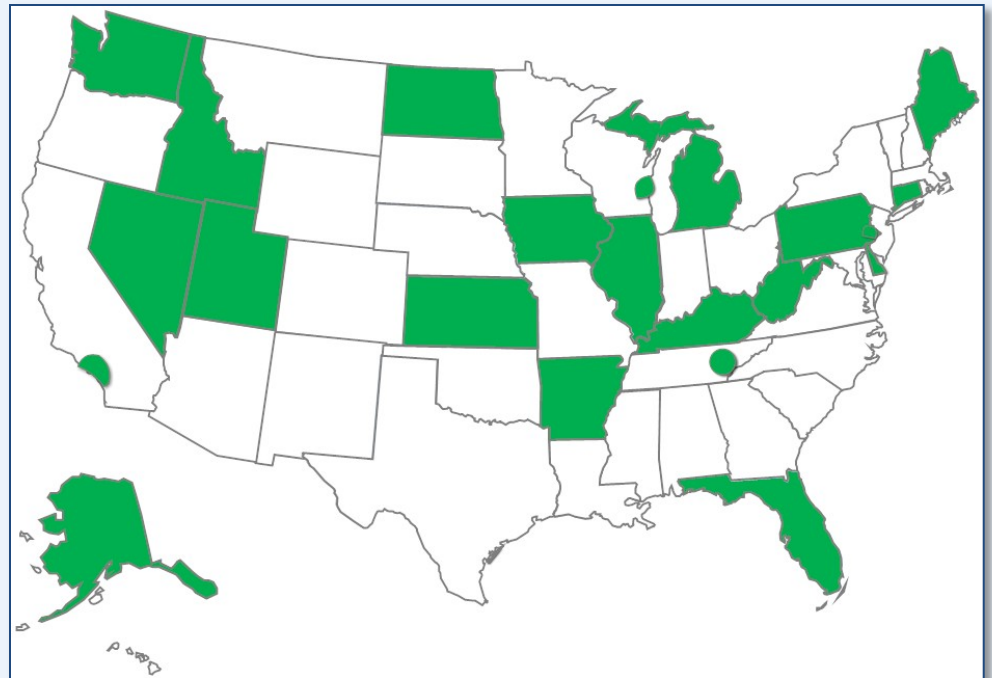
- 1. Describe current activities/procedures in each Focus Area and identify targets for improvement**
- 2. Prioritize CIFOR recommendations that address these targets**
- 3. Outline steps to implement high priority CIFOR recommendations**

CIFOR Toolkit Crosswalk

- **The Toolkit's Focus Areas overlap with other national efforts:**
 - **FDA Voluntary National Retail Food Regulatory Programs, Standard 5 (Foodborne Illness and Food Defense Preparedness and Response)**
 - **Public Health Accreditation Standards**
 - **Local Public Health System Performance Standards**

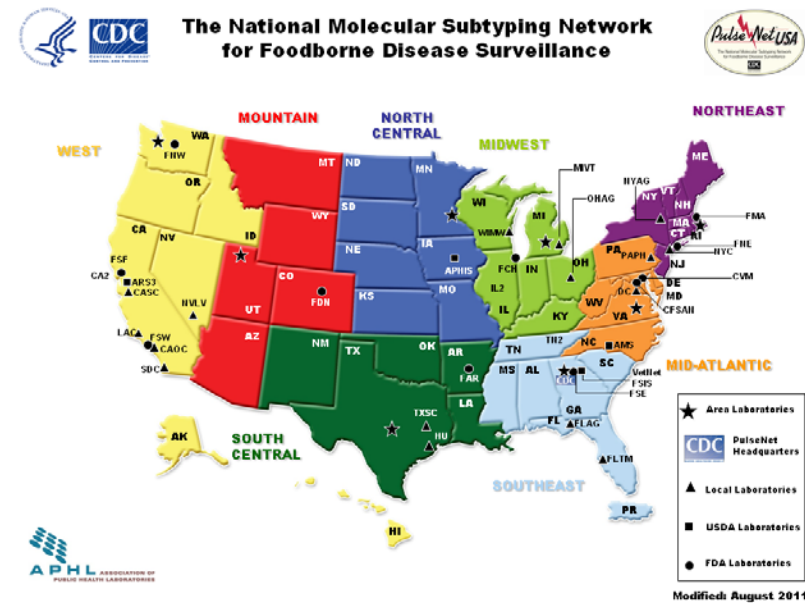
Implementation: CSTE State-based trainings

- CSTE has funded trainings in 22 sites
- Each site conducted a multidisciplinary training using the Toolkit to identify recommendations from the *Guidelines* to implement
- 1068 people have participated in the state-based trainings



Implementation: PulseNet Regional Meetings

- APHL organized a workshop day held in conjunction with each of 7* PulseNet regional meetings.
 - Over 400 public health professionals attended these regional meetings
 - 4/7 meetings evaluated/pilot tested the toolkit
 - 3/7 worked through the final toolkit product
- Attendees appreciated the chance to use the toolkit in a facilitated setting



*Mountain/Western PulseNet regions held joint meeting

CIFOR Food Safety Clearinghouse

- **Online repository on the CIFOR website that offers food safety resources such as:**
 - **After action reports**
 - **Case report forms**
 - **Sample questionnaires**
- **Visitors can search for existing tools and resources**
- **Tools can be submitted to CIFOR for inclusion in the Clearinghouse**

CIFOR Food Safety Clearinghouse



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Search:

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Food Safety Clearinghouse - Search

Welcome to the Food Safety Clearinghouse! CIFOR'S Food Safety Clearinghouse is an online repository offering food safety resources developed by state and local health departments, laboratories, academic institutions, non-governmental organizations, and governmental agencies in order to facilitate knowledge sharing across jurisdictions. CIFOR is the Council to Improve Foodborne Outbreak Response co-chaired by the Council of State and Territorial Epidemiologists (CSTE) and the National Association of County and City Health Officials (NACCHO) with support from the Centers for Disease Control and Prevention (CDC).

[Keyword Search](#) | [Browse By Name](#)

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Keyword

Topic
Epidemiology
Evaluation
Food Security
Health Departments
Health Promotion/Health Education

Current CIFOR Projects

- **Law Project**
 - To address barriers to foodborne disease outbreak investigation and response.
 - To create tools jurisdictions can use to improve legal preparedness to conduct surveillance and outbreak response.
 - To develop products, including an analysis of selected state laws, handbook for public health practitioners, and menu of recommended legal provisions for states.

Current CIFOR Projects

- **Economic evaluation of PulseNet Network**
 - A benefit-cost analysis has been completed by a nationally recognized economist and epidemiologist
 - Calculations have been completed of measurable direct and indirect costs of implementing PulseNet
 - Model have been created to estimate the number of illnesses averted by both food recalls and industry process changes

Current CIFOR Projects

- **Epidemiology-Laboratory Integrated Reporting Project**
 - Domestic, open-source software designed to help sites more rapidly identify potential foodborne outbreaks
 - Built in reports provide “30-day” and historical analyses of enteric disease clusters
 - Application runs on Internet Explorer and Mozilla web browsers, Windows Operating system, and uses an Oracle database

Current CIFOR Projects

- **Outbreaks of Undetermined Etiology Guidelines**
 - Outbreak specimen collection, shipment, and retention instructions
 - Intended to provide adequate specimens for second-tier testing and pathogen discovery should the etiology prove elusive.
 - Primarily intended for state health departments

Current CIFOR Projects (cont'd.)

- **Evaluation of *Guidelines* and Toolkit**
 - An independent group is conducting an evaluation of the CIFOR *Guidelines* and Toolkit to assess the distribution and use of the documents.
- **Metrics project**
 - Metrics will be developed from the performance indicators in Chapter 8 of the CIFOR *Guidelines*
 - A set of core measures will be developed with accompanying definitions and methodology

Current CIFOR Projects (cont'd.)

- **CIFOR Foodborne Disease Guidelines for Food Service Managers**
 - Guidelines and tools to guide retail food establishments through a foodborne disease outbreak investigation.
 - Task group that developed the guidelines includes representatives from local, state, and federal agencies as well as from industry.

**For more information about CIFOR,
please contact CSTE or NACCHO.**

CSTE

770.458.3811

LRosenberg@cste.org

NACCHO

202.507.4284

RJohnson@naccho.org