



# Integrated Food Safety Centers of Excellence Products and Tools

Jamie DeMent, MNS

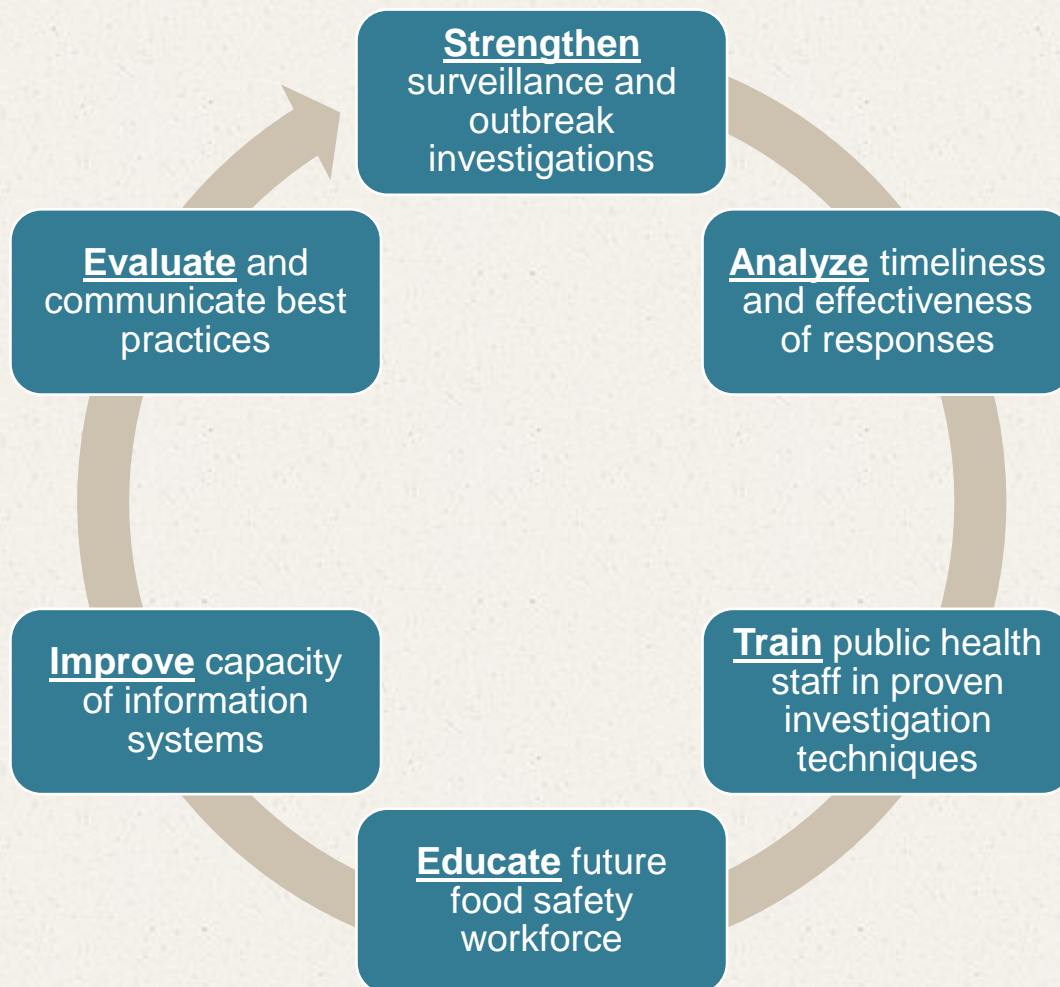
September 12, 2016

AFDOSS

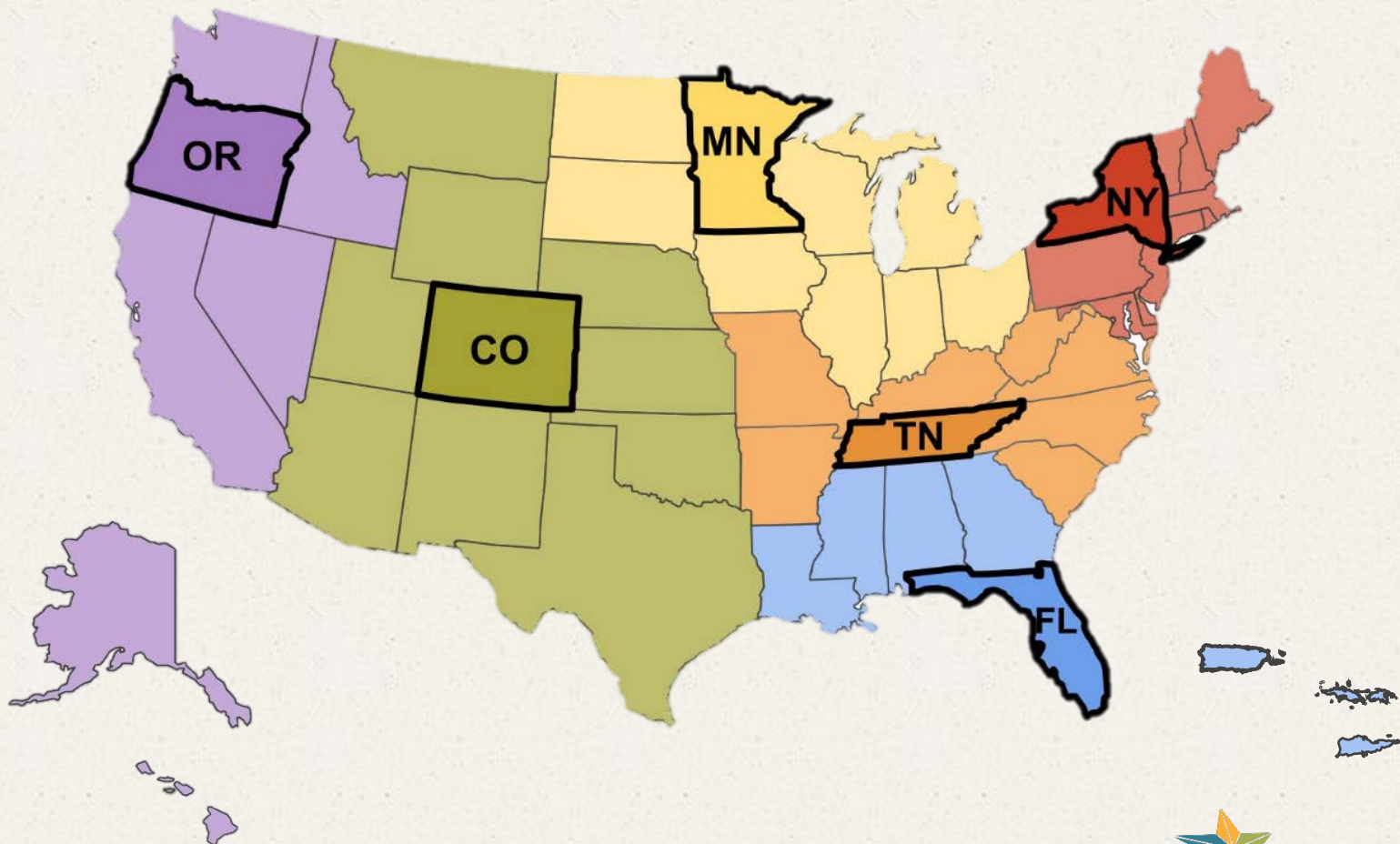
# Centers of Excellence Overview

- The Integrated Food Safety Centers of Excellence (CoEs) were established under the 2011 Food Safety Modernization Act (FSMA) and are managed by the National Center for Emerging and Zoonotic Infectious Diseases (NCEZID) within the Centers for Disease Control and Prevention (CDC).
- The CoEs build capacity in other health departments by developing and providing online and in-person resources, training, and assistance for foodborne illness surveillance and investigations.

# Main Activity Areas



# CoE Regions





# Florida CoE

- University of Florida



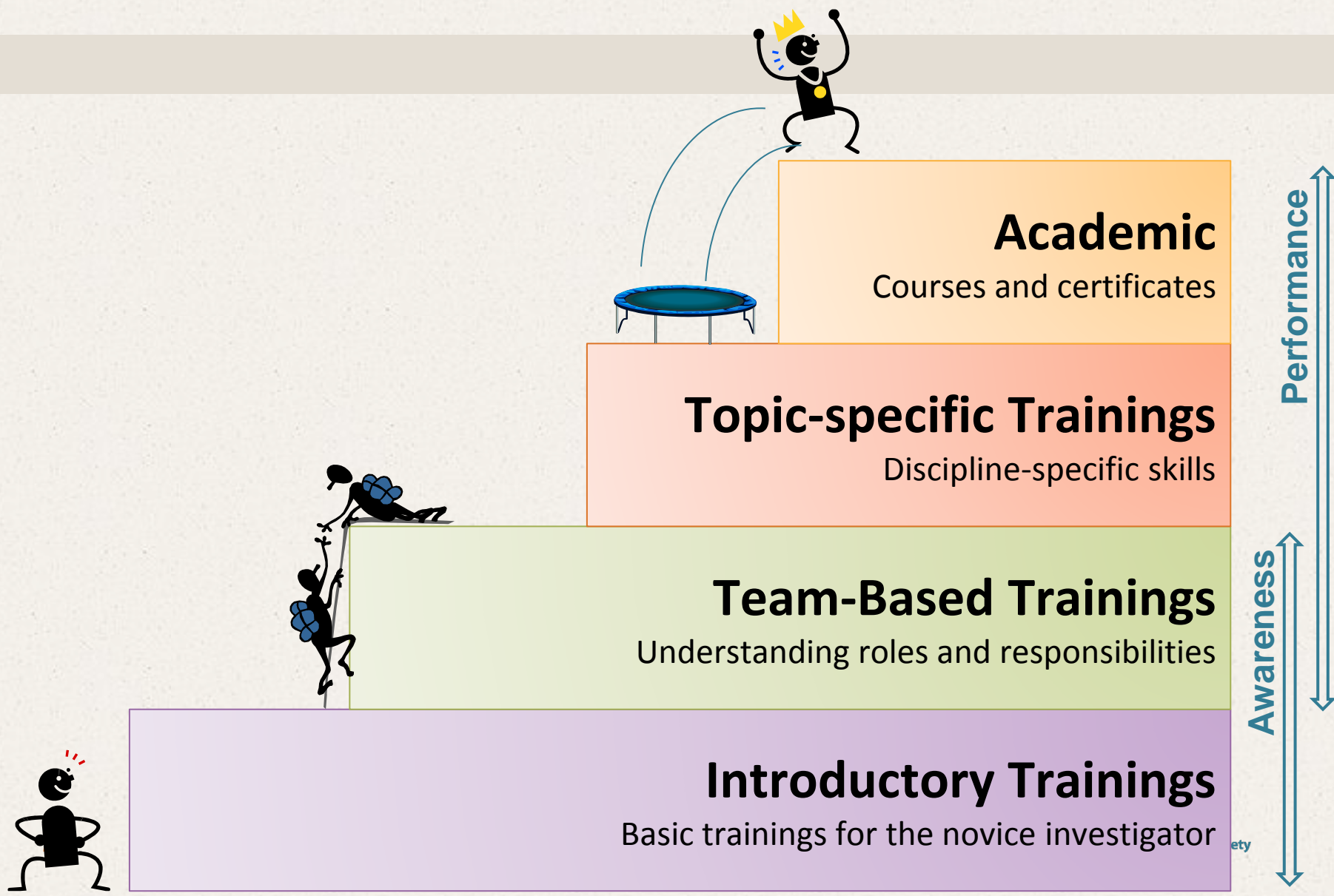
- University of Georgia



# Examples of CoE Products and Services

- Web-based trainings for public health staff
- Environmental health tools
- Interviewer training/interview teams
- Certificate programs/academic courses
- Database management
- Stool collection and transport resources
- Complaint resources


# CoE Training Structure




# Florida CoE Projects



# Foodborne Illness Introductory Video Series

 Florida Integrated Food Safety Center of Excellence uploaded a video 1 year ago



**Foodborne Illness: What Problem?**  
by Florida Integrated Food Safety Center of Excellence  
1 year ago • 29,718 views

This production is the first in a series of seven videos. It introduces novice outbreak investigation team members to the concept of foodborne illness and the current health and


11:00


 Florida Integrated Food Safety Center of Excellence uploaded a video 10 months ago



**Enfermedades transmitidas por los alimentos : ¿Qué problema?**  
by Florida Integrated Food Safety Center of Excellence  
10 months ago • 634 views

Esta producción es la primera de una serie de siete videos para miembros novatos de un equipo de investigación de brote. Presenta el concepto de enfermedad transmitida por...

 Florida Integrated Food Safety Center of Excellence uploaded a video 1 week ago



**Protecting the Food Supply: Federal Partners**  
by Florida Integrated Food Safety Center of Excellence  
1 week ago • 57 views

This production is the second video in the Foodborne Illness Introductory Video Series developed by the Florida Integrated Food Safety Center of Excellence. The video aims to...

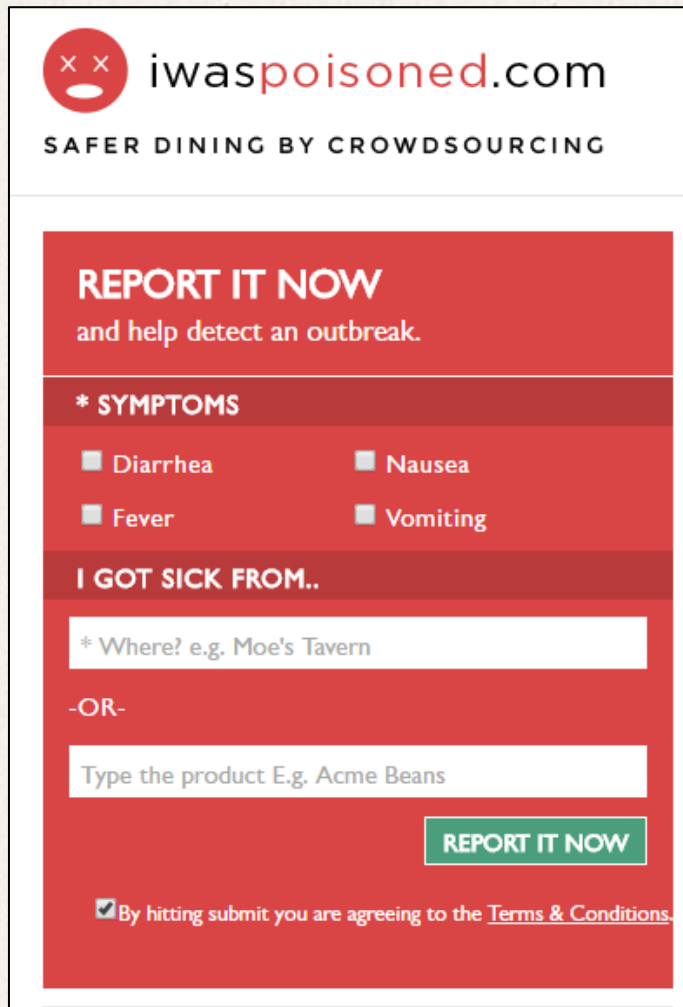
14:26

# State Partners Video

- <https://www.youtube.com/watch?v=1BMH2M05PxQ>



# Complaint Surveillance via Crowdsourcing



The screenshot shows the iwaspoisoned.com reporting interface. At the top, there is a logo with a sad face and the text 'iwaspoisoned.com' and 'SAFER DINING BY CROWDSOURCING'. Below this is a red banner with the text 'REPORT IT NOW and help detect an outbreak.' The form is divided into sections: '\* SYMPTOMS' with checkboxes for Diarrhea, Nausea, Fever, and Vomiting; 'I GOT SICK FROM..' with a text input field for location (e.g., 'Moe's Tavern') and another for product (e.g., 'Acme Beans'); and a 'REPORT IT NOW' button. At the bottom, there is a checkbox for agreeing to terms and conditions.

**iwaspoisoned.com**  
SAFER DINING BY CROWDSOURCING

**REPORT IT NOW**  
and help detect an outbreak.

**\* SYMPTOMS**

Diarrhea       Nausea  
 Fever           Vomiting

**I GOT SICK FROM..**

\* Where? e.g. Moe's Tavern

-OR-

Type the product E.g. Acme Beans

**REPORT IT NOW**

By hitting submit you are agreeing to the [Terms & Conditions](#).

Florida CoE recently partnered with [iwaspoisoned.com](http://iwaspoisoned.com) to enhance foodborne illness complaint collection.



# Complaint Surveillance via Crowdsourcing

FoodSafety Southeast (@FoodSafetySE)

Residents of the SE US can report cases of suspected foodborne illnesses. We can connect you with your local health department. Brought to you by @FoodSafetyCoE.

Florida, USA

## FOOD SAFETY SOUTHEAST

Protecting the Southeastern United States from foodborne illness.  
Brought to you by the Florida Integrated Food Safety Center of Excellence.

**HOW IT WORKS**

- 1 Tweet about your foodborne illness using #FoodSafetySE
- 2 Fill out the short survey we send you
- 3 We use the data to stop the spread of foodborne illnesses

LA MS AL GA FL PR USVI

TWEETS 15 FOLLOWING 108 FOLLOWERS 42 LIKES 3

Edit profile

Tweets Tweets & replies Media

You Retweeted

**Bill Marler** @bmarler · Jun 6

More recalls mean the system is working, food safety expert Bill Marler tells us [sheknows.com/food-and-recipe...](http://sheknows.com/food-and-recipe...) via @sheknows @AdrianaV

**More recalls mean the system is working, food saf...**

Yes, we're hearing about more and bigger and weirder food recalls, but here's why that's actually good.

Who to follow · Refresh · View all

- Dr Martin Bloem @mwbloem Follow
- DiningGrades.com @Dining... Follow
- Ellen Gustafson @ellengust... Follow

# Complaint Surveillance via Crowdsourcing

The screenshot shows a web browser displaying the HealthMap Foodborne Illness website. The URL is [foodborne.healthmap.org/?city=Food\\_Safety\\_SE\\_-\\_Florida](http://foodborne.healthmap.org/?city=Food_Safety_SE_-_Florida). The page title is "HealthMap Foodborne Illness: Food Safety SE - Florida". The interface includes a navigation bar with "Regions" and "Classified Tweets" dropdown menus, and a "Florida Demo (Logout)" link. Below the navigation bar, it says "Showing tweets for Food Safety SE - Florida:". The main content area displays a list of six tweets, each with a "validate" button, a date (06.23.16), a location, the tweet text, and a "details" button.

Validate	Date	Location	Tweet Text	Details
validate	06.23.16	Miami Shores, FL	When one of your fav fast food chains gives you food poisoning... Guess I'm giving up @checkersrallys ☹️	details
validate	06.23.16	Palm Beach	Michelin-Star Restaurant Closed After Food Poisoning <a href="https://t.co/LHZQtGybpe">https://t.co/LHZQtGybpe</a>	details
validate	06.23.16	florida	don't get food poisoning, I feel like a corpse	details
validate	06.23.16	outta this world	left the fridge wide open all last night: a memoir by kennedy mckern will be published in a few days when I die of food poisoning lmao	details
validate	06.23.16	Kissimmee, FL	@dontsayit.Justo well it's not . She got cramps, not food poisoning.	details
validate	06.23.16	Tallahassee, FL	For breakfast i ate a quarter pound raw salmon steak bc I'm disgusting and love running the risk of food poisoning	details



# Regional Needs Assessment

- First conducted in 2013 with responses from Alabama, Florida, Georgia, and Puerto Rico
  - Sent to front line staff
- New York CoE regional needs assessment in 2016
- Development of standardized core questionnaire for implementation in each additional CoE region

# Food Source Information Wiki Contribution ([fsi.colostate.edu](http://fsi.colostate.edu))

- Developed by Colorado CoE to provide public health professionals with rapid access to basic information on production practices and food distribution systems for a range of agricultural food products, from farm to fork.
  - Currently 25 published articles with an additional 26 under development
- Florida CoE has written new articles/contributed to articles on following products: cucumbers, kombucha, oranges, oysters, sprouts, and strawberries
  - Avocado, cilantro and honey articles under development

# CIFOR Toolkit Evaluation

- 2013 Evaluation
  - Focus Area 2: Necessary Resources
  - Focus Area 4: Notification/Complaint Systems
  - Focus Area 7: Epidemiology Investigation
- 2016 Evaluation
  - Focus Area 1: Relationships
  - Focus Area 5: Pathogen-Specific Surveillance
  - Focus Area 8: Environmental Health Investigation
- Proposed 2016-17 Evaluation
  - Focus Area 9: Laboratory Investigation

# Complaint Data Visualization in ESSENCE-FL

- Proposal to import complaint data into ESSENCE-FL
- Will allow for a more advanced method to analyze foodborne illness complaint trends
- Beginning stages – feasibility discussions



# TREK Learning Experience Manager

- Outbreak response team new member on-the-job coaching using the TREK Learning Experience Manager (LEM)
  - Mentor-led online modular training for new outbreak investigation team members
- Goal is to have a standardized outbreak investigation certificate
- Working with Colorado and Tennessee CoEs to develop content and test feasibility



# Partnership with Puerto Rico

- Completed Activities
  - Site visit in June 2015
  - Online complaint form
  - CIFOR Toolkit evaluation (Focus Areas 7,8,9)
  - 16 CIFOR Performance Metric calculation
- Projected Activities
  - Follow-up site visit
  - Stool collection video
  - Puerto Rico agency specific training video
  - CIFOR Toolkit evaluation (additional areas)
  - Social marketing activities

# Partnership with Alabama

- Conduct Epi-Ready training in November
  - Train-the-Trainer course



# Other CoE Projects

# Colorado CoE


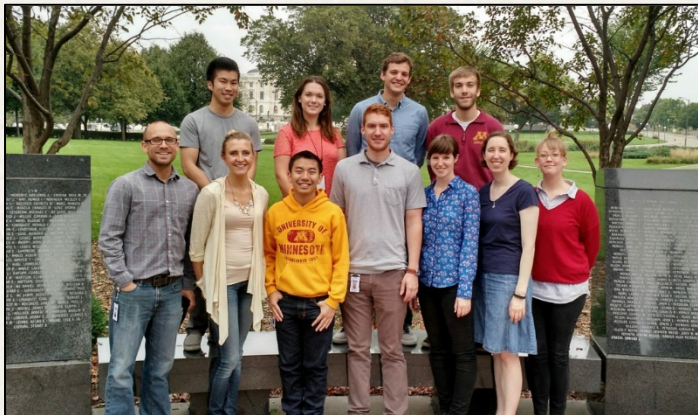
- Food Source Information Wiki
- Quick Trains
- Short videos and in-person trainings on:
  - Specimen collection and testing
  - Outbreak investigations
  - Interviewing
  - Environmental assessments
  - Epidemiology skills



# Minnesota CoE

## Outbreak Investigation Case Series Commercially Distributed Food Vehicles

In-depth, behind-the-scenes analyses of foodborne outbreak investigations



## KEY POINTS

for Successful Foodborne Outbreak Detection and Investigation

**CREATING A TEAM OF STUDENT WORKERS  
FOR FOODBORNE DISEASE SURVEILLANCE AND OUTBREAK RESPONSE**



# New York CoE

- Identified as a CoE in August 2015
- State-level needs assessment
- Whole genome sequencing workgroup

# Oregon CoE

Outbreak Museum (@outbreakmuseum)

International Outbreak Museum, founded by Dr. Bill Keene | Educating about the practice & outcome of infectious disease outbreak investigation #epidemiology

Portland, OR  
outbreakmuseum.com  
Joined April 2015

TWEETS 502 FOLLOWING 521 FOLLOWERS 426 LIKES 464 LISTS 2

Following

Tweets Tweets & replies Media

Pinned Tweet

Outbreak Museum @outbreakmuseum · Mar 5

The International Outbreak Museum began in the office of Dr. Bill Keene. Visit our tribute page to Bill here:

Remembering Bill Keene - The International Outbr...  
Bill was an "extraordinarily able voice for public health and a leader in food safety for two decades."

Who to follow · Refresh · View all

Alaska DHSS @Alaska\_DHS...  
Follow

Capital Soup @CapitalSoup  
Follow

Find friends

Trends · Change  
Gordie Howe

# Tennessee CoE

## Team Roles and Responsibilities Training

### Foodborne Outbreak Investigation and Response Team Roles and Responsibilities – Parts A and B

#### Part A

<b>COURSE MODULES</b>		
Mod #	Module Title	Time (hours)
1	Overview of an Integrated Food Safety System	1.00
2	Foodborne Outbreak Response Team Members	1.00
3	Overcoming Barriers to Effective Foodborne Outbreak Response by Enhancing Team Member Communications	1.00

#### Part B

<b>COURSE MODULES</b>		
Mod #	Module Title	Time (hours)
1	Foodborne Outbreak Response Surveillance Systems	1.00
2	Team Dynamics During Outbreak Response to Local Complaint-Driven Cluster	1.00
3	Team Dynamics During Outbreak Response to Laboratory-Identified Clusters	1.00
4	Team Dynamics During A Multijurisdictional Outbreak Response	1.00



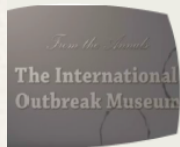
# Media



▶ FL CoE RELEASES NEW  
FOODBORNE ILLNESS VIDEO .. 1



▶ NY CoE DEVELOPING WHOLE  
GENOME SEQUENCING  
TRAINING SERIES..... 1



▶ BACKGROUND EXPOSURE  
ESTIMATE TOOL UPDATED ..... 2

▶ INTERNATIONAL OUTBREAK  
MUSEUM VIDEO SERIES ..... 2

## Centered on *Food Safety*

● Summer | ● 2016



**Integrated Food Safety**  
Centers of Excellence



@FoodSafetyCoE



Search for “Integrated Food Safety  
Centers of Excellence” Group

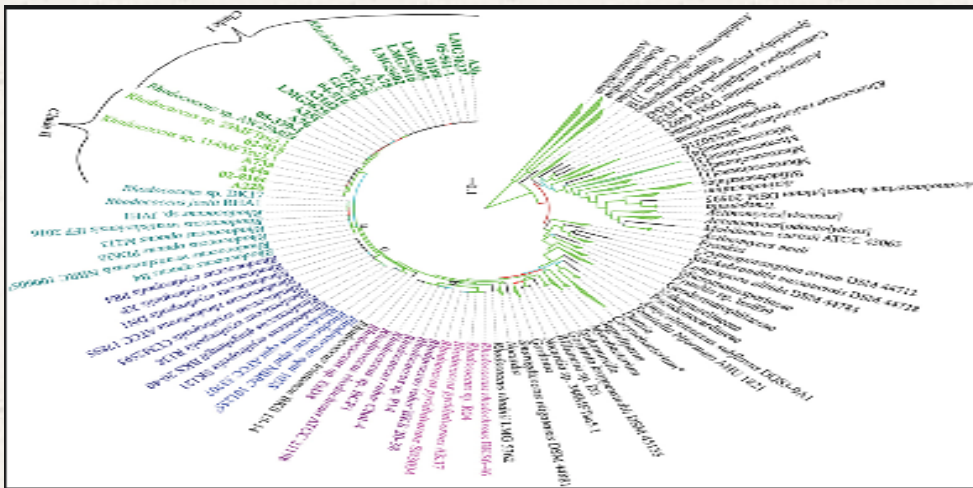
# Expanding Partnerships

- Partnership for Food Protection
- AFDO
- AFD OSS
- NEHA
- NACCHO
- IAFP
- Rocky Mountain Public Health Training Center
- Great Lakes Public Health Training Collaborative



# Vision Meeting

- Scheduled for November
- Demo products
- Discuss new major projects
- Expansion of whole genome sequencing training and materials



# Liaison Contact Information

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Division of Disease Control and Health Protection

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Florida CoE [www.foodsafetyflorida.org](http://www.foodsafetyflorida.org)

CoE Tools [www.CoEFoodSafetyTools.org](http://www.CoEFoodSafetyTools.org)

CDC CoE [www.cdc.gov/foodsafety/centers](http://www.cdc.gov/foodsafety/centers)

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