

FoodCORE:

Improving Foodborne Disease Outbreak Response Capacity in State and Local Health Departments

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**FoodCORE Team
Outbreak Response and Prevention Branch
Division of Foodborne, Waterborne and Environmental Diseases**

National Center for Emerging and Zoonotic Infectious Diseases
Outbreak Response and Prevention Branch



Turning Innovation into Action: Better Surveillance and Faster Response

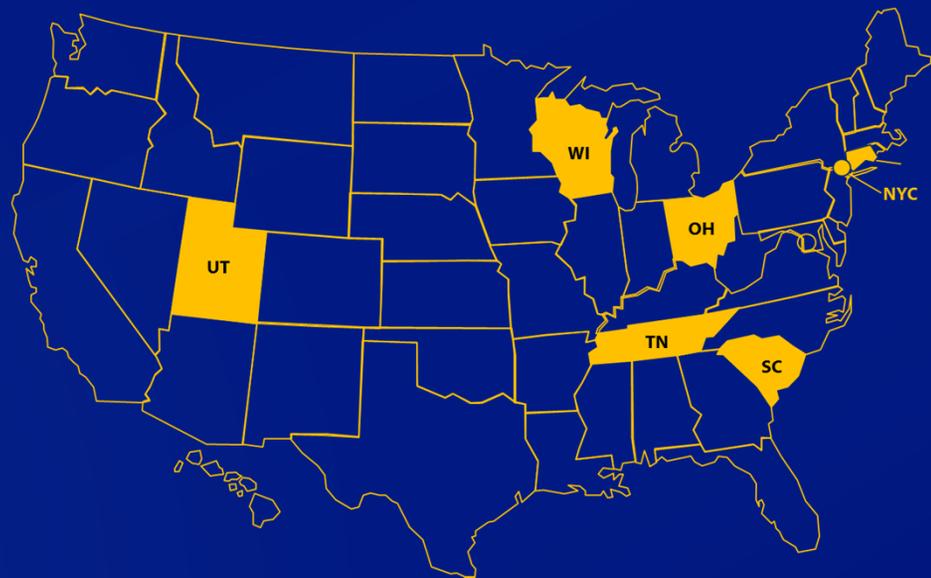
□ Evaluate practical methods and best practices to speed up

- Detection
- Investigation
- Response
- Control

□ 7 centers

□ Cover ~ 14% of U.S.

- ~ 43 million people



Improving Investigation and Response

- ❑ **Build capacity**
 - **Detect more outbreaks**
 - **Conduct more thorough investigations**
 - **Control outbreaks faster**
 - **Protect other people from getting sick**

- ❑ **Better, faster, and more complete foodborne outbreak investigations and response activities**

"FoodCORE improves our capacity to interview ill persons sooner and more comprehensively about what they ate, conduct faster DNA fingerprinting of the bacteria that made them sick, and pool information swiftly to determine sources of more contaminated foods, so solutions can be found more rapidly."

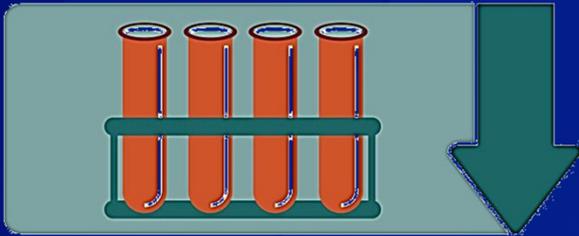
*Dr. Robert Tauxe, Deputy Director,
CDC's Division of Foodborne, Waterborne,
and Environmental Diseases*



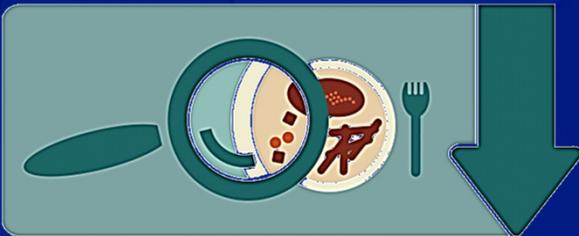
FoodCORE Performance Metrics

- ❑ **Document successes and identify gaps**
 - Process evaluation
 - Setting and meeting goals
 - Planning for the future/Increasing efficiency
- ❑ **Measures for lab, epi, environmental health, and outbreak reporting in two groups**
 - *Salmonella, STEC, Listeria*
 - **Norovirus, Other etiology, Unknown etiology**

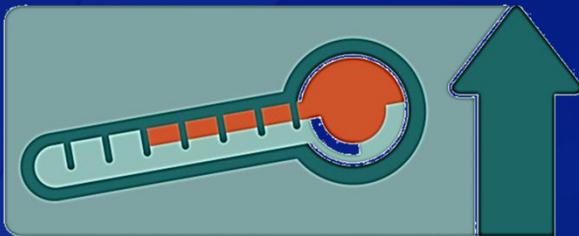




Laboratory: decreased time to serotype *Salmonella* from 8 days to 4 days



Epidemiology: decreased time to attempt an interview with *Listeria* patients from 7 days to 1 day



Environmental health: participated in multidisciplinary investigations and trainings

FoodCORE Center Summary

- ❑ **More than 45 positions supported**
 - Lab, epi, and environmental health
 - 6 programs with student interview teams (over 20 positions)
 - 7th with regional state-based interviewers
- ❑ **5 programs with lab-specific funding**
 - Staff, equipment, reagents, software
 - Exploring new technology (molecular serotyping)
- ❑ **Collaborations and partnerships**
 - Among FoodCORE centers
 - Other programs

