



Partnership for Food Safety Education May 16, 2007

David W Warnock

Director

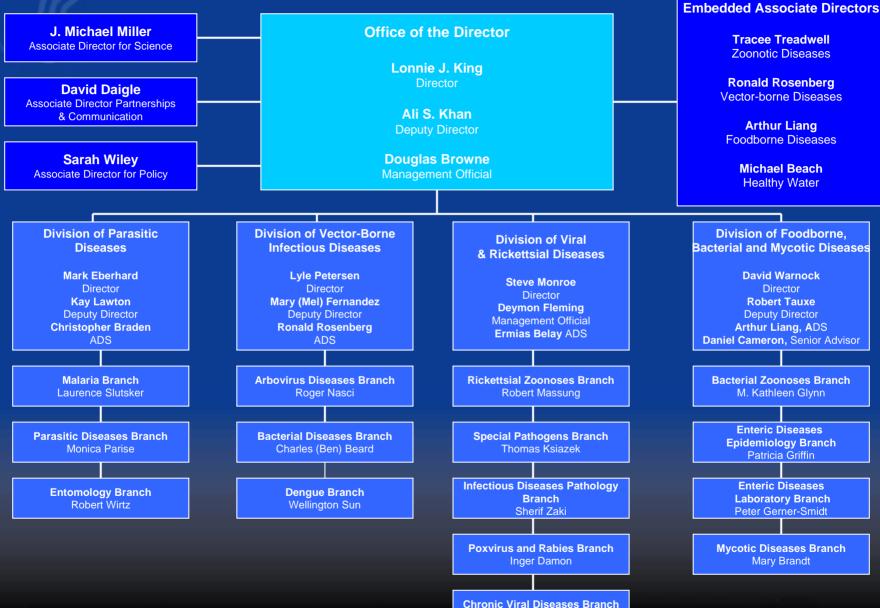
Division of Foodborne, Bacterial and Mycotic Diseases

Centers for Disease Control and Prevention

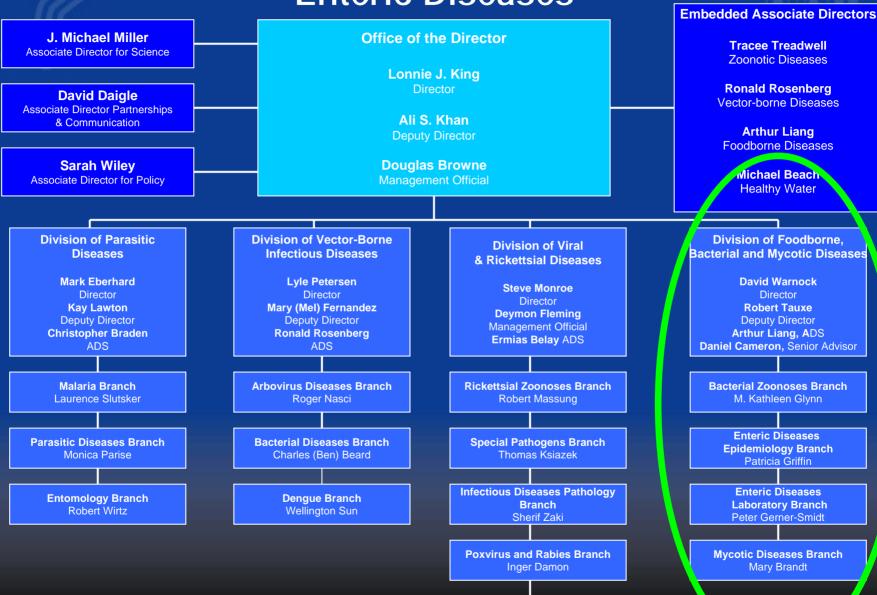
Foodborne illnesses are important

Each year:

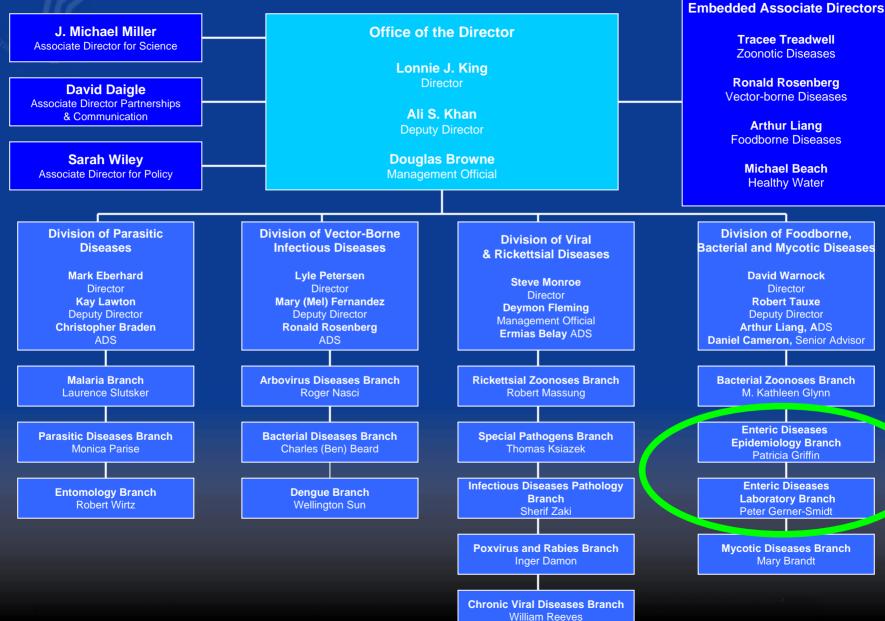
- 1 in 4 Americans (76 million) will develop a foodborne illness
- 325,000 Americans will be hospitalized with a foodborne illness
- 5,000 Americans will die as a result of a foodborne illness



William Reeves



Chronic Viral Diseases Branch William Reeves



J. Michael Miller Associate Director for Science

David Daigle

Associate Director Partnerships & Communication

Sarah Wiley

Associate Director for Policy

Office of the Director

Lonnie J. King

Ali S. Khan
Deputy Director

Douglas BrowneManagement Official

Embedded Associate Directors

Tracee Treadwell
Zoonotic Diseases

Ronald Rosenberg
Vector-borne Diseases

Arthur Liang
Foodborne Diseases

Wilchaer Beach Healthy Water

Division of Parasitic Diseases

Mark Eberhard

Director

Kay Lawton

Deputy Director **Christopher Braden**

. ADS

Malaria Branch

Laurence Slutsker

Parasitic Diseases Branch Monica Parise

Entomology Branch Robert Wirtz

Division of Vector-Borne Infectious Diseases

Lyle Petersen Director

Mary (Mel) Fernandez
Deputy Director

Deputy Director Ronald Rosenberg

ADS

Arbovirus Diseases Branch

Roger Nasci

Bacterial Diseases Branch

Charles (Ben) Beard

Dengue Branch Wellington Sun

Division of Viral & Rickettsial Diseases

Steve Monroe

Director **Deymon Fleming**

Management Official Ermias Belay ADS

Rickettsial Zoonoses Branch

Robert Massung

Special Pathogens Branch

Thomas Ksiazek

Infectious Diseases Pathology Branch

Sherif Zaki

Poxvirus and Rabies Branch Inger Damon

Chronic Viral Diseases Branch William Reeves

Division of Foodborne, Bacterial and Mycotic Diseases

David Warnock

Director

Robert Tauxe

Deputy Director **Arthur Liang, A**DS

Daniel Cameron. Senior Advisor

Bacterial Zoonoses Branch

M. Kathleen Glynn

Enteric Diseases Epidemiology Branch

Patricia Griffin

Enteric Diseases Laboratory Branch

Peter Gerner-Smidt

Mycotic Diseases Branch Mary Brandt

Division of Foodborne, Bacterial and Mycotic Diseases

- Our mission is to reduce the human health burden of foodborne illnesses
- Through national surveillance programs, field investigations, and education and training programs
- In collaboration with state health departments and other federal agencies

Expanded CDC foodborne disease surveillance and outbreak investigation efforts 1996-2006

- Foodborne Diseases Active Surveillance Network (FoodNet)
- National Antimicrobial Resistance Monitoring System (NARMS)
- National Molecular Subtyping Network for Foodborne Disease Surveillance (PulseNet USA)
- Outbreak Network for Foodborne Disease Surveillance and Response (OutbreakNet)
- Electronic Foodborne Outbreak Reporting System (eFORS)
- Council to Improve Foodborne Outbreak Response (CIFOR)

Federal roles



CDC:

- Disease surveillance
- Outbreak detection and investigation
- Education and training
- Recommendations

FDA, USDA:

- Food policies
- Inspection and enforcement
- Product recall and traceback
- Investigation of farm and production facilities

FoodNet Foodborne Diseases Active Surveillance Network

- Established in 1996 as a collaboration among CDC, USDA, FDA, and state health departments
- Conducts population-based, active surveillance for laboratory-confirmed infections caused by 9 pathogens commonly transmitted through food
 - Campylobacter spp., Listeria monocytogenes, Salmonella spp., Shigella spp., STEC O157, Vibrio spp., Yersinia enterocolitica, Cryptosporidium spp., Cyclospora spp.
- Focus on sporadic illness, not outbreaks

2006: 10 sites, 45 million persons, 15% of population

FoodNet data for 2006

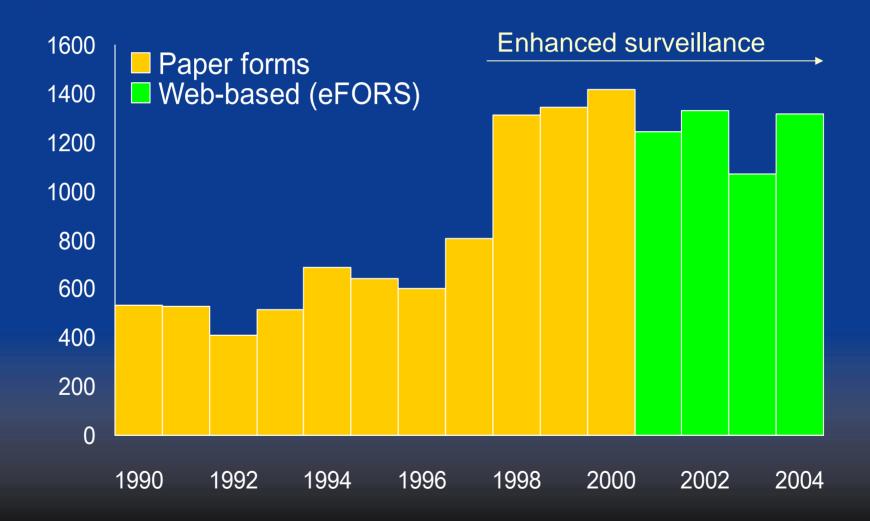
In comparison with the average annual incidence between 1996 and 1998:

```
    ↓ 9%
    ↓ 15%
    ↓ 200
    ↓ 30%
    ↓ 30%
    ↓ 34%
    ↓ 15%
    ↓ 20%
    ↓ 35%
    ↓ 35%
    ↓ 35%
    ↓ 50%
    Yersinia
    ↑ 78%
    ✓ Vibrio
```

Morbidity and Mortality Weekly Report 2007;56 (in preparation)

^{*} Not statistically significant

Foodborne-disease outbreaks reported to CDC 1990 – 2004*



^{*} By states to the Foodborne Disease Outbreak Surveillance System

Partnership for Food Safety Education (PFSE)

- CDC has worked with the PFSE since its inception in 1997
- It is our hope that the PFSE will continue to leverage efforts to create educational materials that will help reduce the number of cases of foodborne illness
- We need your special expertise and help to get the message out

Purpose of this meeting

- To update attendees about CDC's current work on foodborne disease
- To discuss where future educational efforts should be directed
- To share information to ensure our efforts have the greatest impact









Thank you