

# FDA Emergency Response Activities for Foodborne Illness Outbreaks

United States Middle East Partnership Initiative  
Senior Regional Food Safety Authority  
Response Coordination Roundtable  
November 7, 2007

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# ***FDA Emergency Response Activities for Foodborne Illness Outbreaks***

## **FDA's Office of Crisis Management/Office of Emergency Operations**

- Recommend and develop FDA policies and programs for emergency and crisis management
- Coordinate FDA's emergency response activities
  - Intra-agency coordination: FDA headquarters and field scientific, regulatory, investigational and laboratory components
  - Inter-agency coordination: CDC, USDA, State and local food, agriculture and health agencies

# ***FDA Emergency Response Activities for Foodborne Illness Outbreaks***

## FDA's Office of Crisis Management/Office of Emergency Operations

- Coordinate Agency evaluation of foodborne illness outbreaks to determine appropriate internal and external referral for action
- Operate 24-hour response, seven-day-a-week emergency response system
- Operate FDA's Emergency Operations Center (EOC)

# *FDA Emergency Response Activities for Foodborne Illness Outbreaks*

## FDA's Office of Crisis Management/Office of Emergency Operations

- Manage FDA's Emergency Operations Network Incident Management System (EON IMS)
  - Web-based tool for storing, managing and accessing large volumes of information related to incidents
- Manage FDA's National Consumer Complaint System

# *FDA Emergency Response Activities for Foodborne Illness Outbreaks*

## FDA's Office of Crisis Management/Office of Emergency Operations


- Lead Agency lessons learned process after major incidents
- Create and exercise FDA Emergency Response Plans
- Coordinate and participate in internal and external emergency exercises

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## Emergency Operations Network Incident Management (EON IMS): A Knowledge Management Tool

- Captures information about incidents involving FDA regulated products
- Generates maps
- Creates record of related information
- Serves as data mart for related literature
- Provides situational awareness to Agency officials

# EON Dashboard







## Emergency Operations Network

SEARCH EON: (Advanced)

⚠ Sensitive Material | Do Not Disseminate

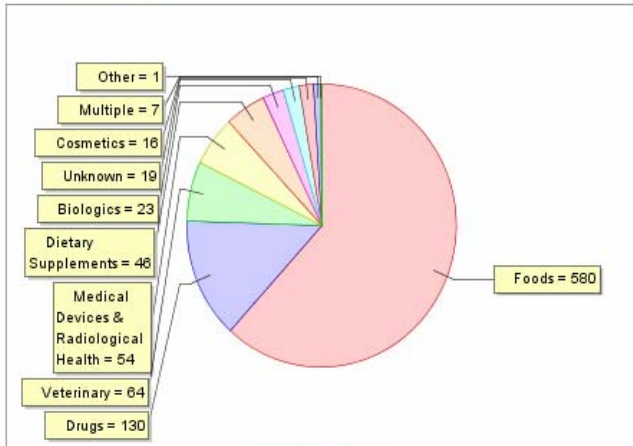
HOME
BROWSE PROJECTS
FIND ISSUES
CREATE NEW INCIDENT

### Welcome to the FDA's Emergency Operations Network (EON)

Configure: ON | OFF    Manage Portal

#### Pie Chart: All Incidents more detail >>




Category	Count
Other	1
Multiple	7
Cosmetics	16
Unknown	19
Biologics	23
Dietary Supplements	46
Medical Devices & Radiological Health	54
Veterinary	64
Drugs	130
<b>Foods</b>	<b>580</b>

Incidents: 940.

View detailed data table >>

#### Recently Created Incidents: All Incidents more detail >>



136 incidents created in last 149 days.

View detailed data table >>

**LATEST NEWS:** 🔔 [NO LINK SEEN FOR INDIANA E. COLI, MEAT RECALL](#)

#### RSS Feed Reader

FDA Press	FDA Announces Initiative to Bolster Generic Drug Program
Med-Watch	FDA Seeks Nominations for Reagan-Udall Foundation
Recalls	FDA Takes Next Step in Transformation of its Center for Drug Evaluation and Research
CDC	

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# RSS Feeds

LATEST NEWS:   X-RAY COLONOSCOPY MAY BE MORE AVAILABLE SOON

RSS Feed Reader

FDA Press	FDA Announces Initiative to Bolster Generic Drug Program
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Recalls	FDA Takes Next Step in Transformation of its Center for Drug Evaluation and Research
CDC	
EIDJ	FDA Acts to Ensure Thyroid Drugs Don't Lose Potency Before Expiration Date
	FDA's Dr. Janet Woodcock Honored by Alliance for Aging Research



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## Geographic Information System (GIS) Overview

- System Uses
  - Natural Disasters
  - Foodborne Outbreaks
  - Emergency Response
  - Presentation Tool
  - Summary Maps

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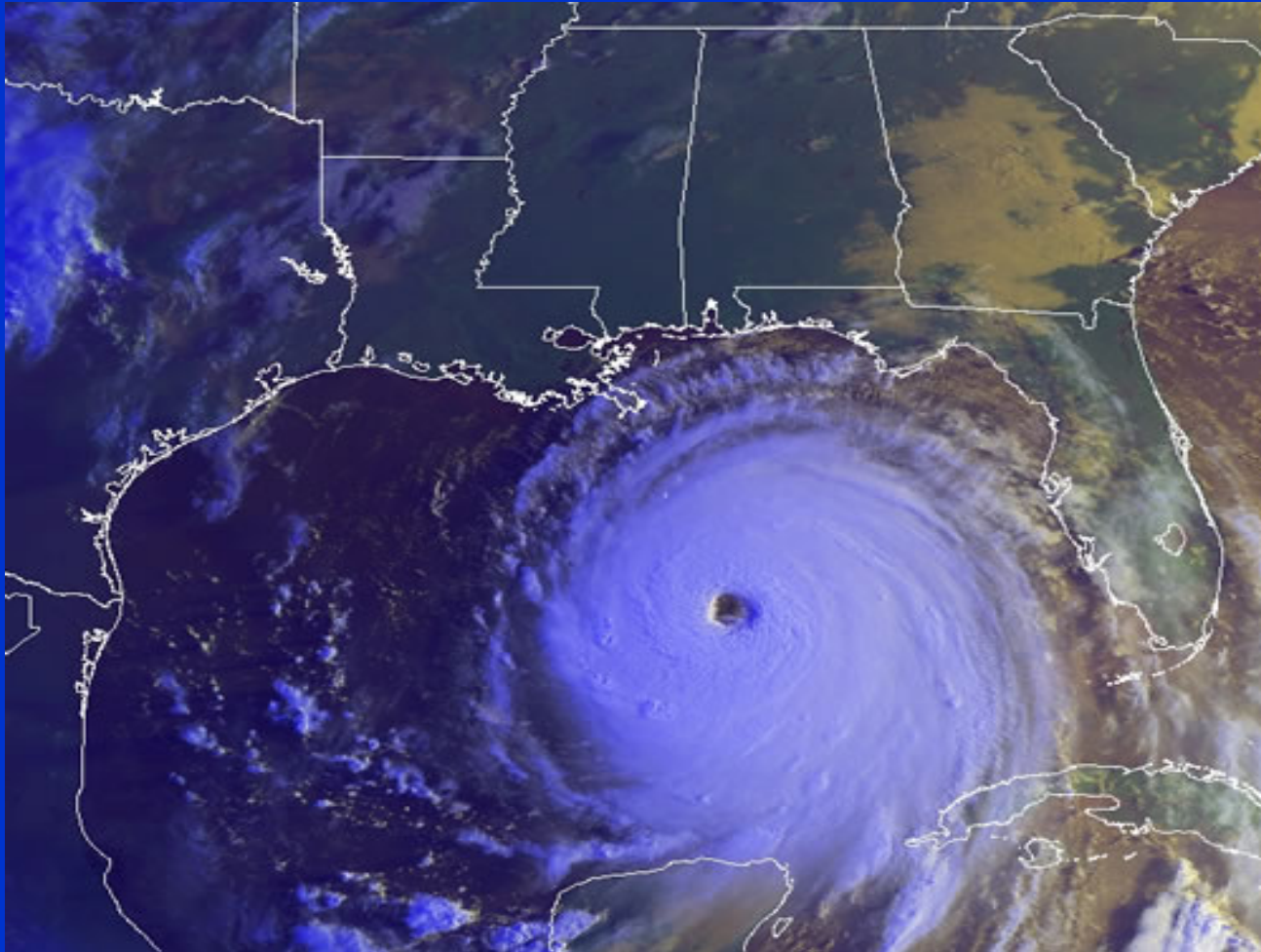
## GIS Overview

- System Capabilities
  - Geo-coded maps of FDA-regulated industry
  - Latitude and Longitude
  - Interactive Web Platform
  - Interactive Map Authoring (Emergency Operations Center Users)
  - Use of External data repositories (weather, demographics, geography, topology – floodplains, etc.)

## GIS Example 1

# Plotting a Storm Track in Relation to Regulated Industry Density

# Hurricane Katrina – August 28, 2005



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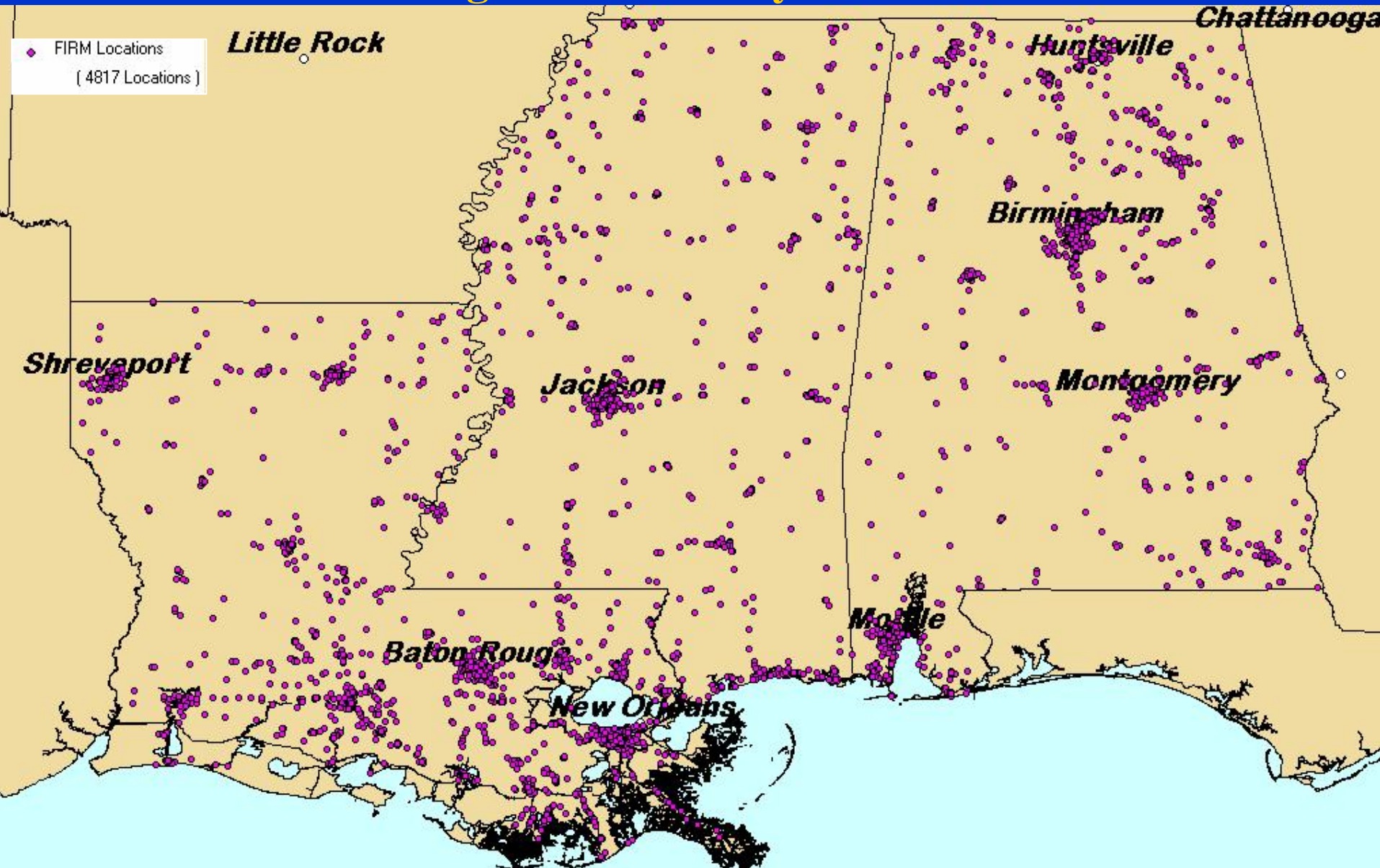
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# Office of Crisis Management/Office of Emergency Operations

## Hurricane Katrina

### FDA-Regulated Industry: ALL FIRMS



## GIS Example 2

# Plotting Summary Data to Achieve Geospatial Situational Awareness

# Spinach Related E. coli O157:H7

# of Fields Inspected by County and Processor Locations



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# *FDA Emergency Response Activities for Foodborne Illness Outbreaks*

- **FDA and CDC work together to**
  - notify State and local officials of potential or confirmed outbreak
  - utilize epidemiological data to determine severity, scope and association of outbreak with FDA-regulated product
  - determine what public health actions are needed to mitigate the outbreak including public notification and recall of product



# *FDA Emergency Response Activities for Foodborne Illness Outbreaks*

- **Canada/U.S./Mexico Trilateral Cooperation**
  - Emergency, Preparedness and Response Working Group
    - Facilitate better international cooperation and response during incidents and more rapid and effective resolution of public health emergencies as a result of:
      - Improved readiness and knowledge
      - Enhanced emergency response capabilities because of information sharing and improved planning
      - Strengthened coordination among Trilateral emergency response officials

# *FDA Emergency Response Activities for Foodborne Illness Outbreaks*

- **International Notification**

- Made to such parties as WHO INFOSAN\* by FDA's Office of International and Special Programs in coordination with FDA's Office of Crisis Management
- May be made to WHO as a Public Health Emergency of International Concern under the International Health Regulations Process

\*World Health Organization International Food Safety Authorities Network