

"Train-the-Trainer"





Development Timeline



- Stakeholder Call Feb. 24, 2012
- 1st Focus Group Meeting May 10, 2012
 Job Task Analysis (JTA)
 Course Content Review
- 2nd Focus Group Meeting July 10, 2012
 JTA Verification
 Draft Course Outline
- Report to Stakeholders August 20, 2012

Job Task Analysis (JTA) DACUM Chart – Developing A Curriculum



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		A 1	TAG	TA 2	4.4	A E	14.6
A	Develop Project Plan	A-1 Review Project Assignment	A-2 Develop Traceback Timeline / Flowchart	A-3 Identify Immediate Objectives	A-4 Assemble Project Team	A-5 Coordinate Individual Responsibilities	A-6 Review Product/Hazaro References
		A-11 Schedule Firm Visit	A-12 Schedule Farm Visit	A-13 Coordinate Sample Plan (with labs)	A-14 Verify Project Plan		
В	Conduct Traceback Investigation	B-1 Conduct Traceback Interviews	B-2 Conduct Traceback Walk-Through	B-3 Document Manufacturing Process Flow	Collect Traceback	B-5 Assess Traceback Records	B-6 Time-Bracketii Implicated Pro (receive & ship
c	Conduct Manufacturing Environ. Assessment	C-1 Conduct Environmental Interviews	C-2 Conduct Firm Walk- Through (process flow)	C-3 Collect Samples (product, environ.)	C-4 Assess Production Records	C-5 Track Personnel Movement	C-6 Track Implicate Product Moves
		C-11 Compile Environmental Team Findings	C-12 Report Environmental Team Findings				
D	Conduct Farm Environ. Assessment	D-1 Implement Bio- Security Procedures	D-2 Complete Farm Questionnaire	D-3 Review On-Farm Food Safety Plan	The first contract of the cont	D-5 Map Possible Contaminant Sources	D-6 Survey Farm
		D-11 Track Farm Input Movements	D-12 Track Personnel Movements	D-13 Track Equipment Movements	D-14 Verify Sanitation Procedures	D-15 Evaluate Wildlife / Pest Controls	D-16 t Collect Farm S
E	Communicate Findings	E-1 Compile Findings	E-2 Finalize Flowchart &	E-3 Prepare Compliance Findings	Conduct Firm Closeout	E-5 Provide Sample Results	5.3021Y21H111H11H1

Course Outline

- I. Developing the Project Plan
 - A. Review Project Assignment (Background / Incident Package)
 - 1. Assignment to FDA District Office
 - 2. Request for Assistance to State/Local Regulatory Partner

Group Exercise Packet A – First Case Histories

B. Determine Information Needed

Group Exercise Packet B – Sample Assignments

- C. Assemble Project Team
 - 1. Defined Project Team Engage Various Agencies/Partners/Experts
 - 2. Review Product/Hazard References
 - 3. Review Establishment History for Each Firm
 - 4. Coordinate & Assign Individual Responsibilities Divide Workload
- D. Logistics*

(*as needed)

- 1. Develop Safety Plan (if needed)
- 2. Determine Project Logistics
- 3. Gather Investigation Supplies
- 4. Schedule Visit With Firm / Schedule Farm Visit (if appropriate, per protocols)
- 5. Coordinate Sampling Plan w/Lab(s) / Identify Shipping Points & Logistics
- E. Verify Project Plan
 - 1. Share schedules
 - 2. Exchange/Verify Contact Information

Group Exercise Packet C – Additional Case Histories ⁴





The First "Train-the-Trainer" Opportunities

Pilot Course: January 29 - February 1, 2013

Washington, DC

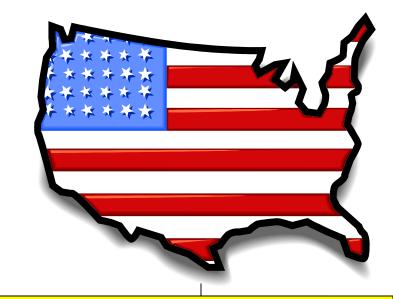
2nd Course: April 30 - May 3, 2013

Walnut Creek, CA

3rd Course: August 6-9, 2013

Indianapolis, IN





FY14 - "Train-the-Trainer" Continues...

1st Course: January 14-17, 2014

Jacksonville, FL

2nd Course: April 22-25, 2014

Dallas, TX

3rd Course: August 12-15, 2014

Springfield, MA





FY15 - More "Train-the-Trainer"

1st Course: January 2015

Seattle, WA

2nd Course: May 2015

Harrisburg, PA

3rd Course: August 2015

St. Louis, MO





FY16 – Yet MORE "Train-the-Trainer"

1st Course: January 2016

Richmond, VA

2nd Course: May 2016

Denver, CO

3rd Course: September 2016

Minneapolis, MN





FY17 – Yet MORE "Train-the-Trainer"

1st Course: January 2016

Los Angeles, CA

2nd Course: May 2016

Memphis, TN

3rd Course: September 2016

Providence, RI



This is YOUR course...

Make the most of it

Feel free to ask questions

Accept the overwhelming



Network and share experiences



ER220 Course CD

- Agenda & Course Support Documents
- PowerPoints with Speaker Notes
- Exercise Guidance
- Case Study with Actual Traceback (Redacted Records)
- Roster of Participants



Anatomy of an Outbreak investigation



Disease Surveillance

Epidemiological investigation

Laboratory Analysis

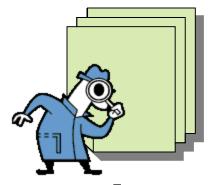
Environmental investigation

Traceback / traceforward

Product investigation



What is an FDA Traceback?



• <u>Documents</u> the distribution through the supply chain, and the source(s) of a product that has been implicated in a foodborne illness investigation.

REGULATORY TRACEBACK

- Collect hard copy records at each firm INFORMATIONAL TRACEBACK

("Epi Traceback")

- Collect information via phone, email, etc.

Salmonella enteritidis – Chicken or the Egg? Multi-state Outbreak January-April 2013

TRACEBACK INVESTIGATION TIMELINE (DRAFT)



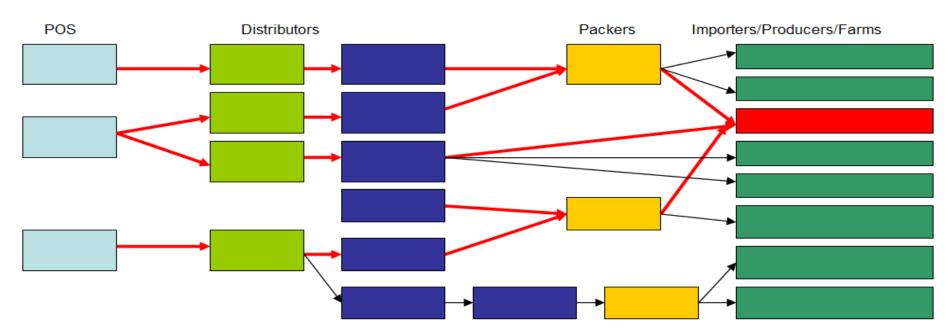
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DRAFT – Traceback Diagram for Salmonella outbreak. These diagrams contain confidential commercial information intended for FDA use in law enforcement and/or regulatory activities. They may not be further distributed without the written consent of FDA. This diagram is updated as new information is received by FDA-CORE.

Revised: mm/dd/yy

Traceback Investigation Flow Diagram





Point-of-Service

Date and time food prepared
Date and time food served
Delivery rcpt date, time, qty
Stock rotation
Menu and recipes
Food turnover/shelf-life
Inventory
Food product identifiers
Product/Environmental sampling
Ordering practices

Distributors

POS deliveries
Incoming deliveries
Product identifier info/Lot #
Stock rotation
Bill of Lading
AWB
Transportation time

<u>Packers</u>

Distributor deliveries Incoming deliveries Product identifier info/Lot # Stock rotation Bill of Lading AWB Transportation time

Importers/Producers/Farms

Custom Entry Number Invoice
Bill of Lading
Date of Production
Amount of Product
Production conditions
Lot #

Key Points

- CONFIDENCE
 - Leadership must have confidence in the trace



TEAMWORK

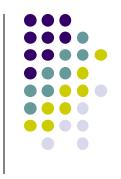
- Select a leader of the team
- need more than one set of eyes on a traceback leg
- experienced/trained staff on the traceback team

DOCUMENTATION

- Bills of lading, invoices, etc more than just Excel spreadsheets from firms
- Ownership/Responsibility for collected records



What are the steps?



- Decide whether to trace or not If yes, is it one or more products?
- Determine clusters to trace
- Determine the time period to bracket to collect information
- 4. Collect the information/records, send asap
- 5. Decipher and analyze
- 6. Connect the dots / Identify Convergence



Decide what clusters to trace...



Ideally those with:

- 4 or more cases in a cluster, the larger the better
- 3 distinct geographic areas
- Good food historians, and/or key cases w unique histories, and minimal exposures before onset
- Documented food exposure receipts, shopper card
- Varying types of establishments (groc, restaurant)
- Not complicated with food-handler issues



Traceback Challenges



- Limited Resources (staff, budget, time, etc.)
- Logistics & Support (distance to travel, admin. support, travel limitations)
- Technology Limitations
- Multiple Commodity Responsibilities (regulatory work beyond foods)
- Competing Outbreaks
- Limited Experience (knowledge and/or training in tracebacks)

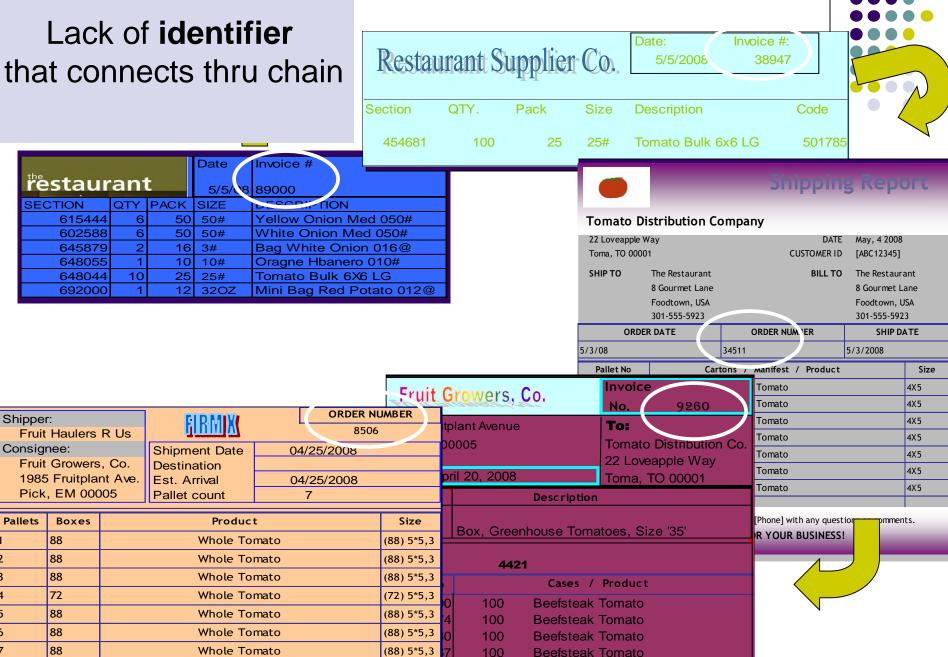


Traceback Challenges (contd.)

- Ongoing outbreak; need to act fast
- Large numbers of sporadic cases
- Poor consumer recollection of consumption history and lack of specific product information
- Multiple product varieties identified
- Multiple products w/multiple ingredients identified
- Multiple sources of same product at POS
- Lack a rapid and rigorous mechanism to <u>link</u>
 <u>shipments</u> (or *item of in a shipment*) from farm to table, factory to fork, boat to throat, etc...



Lack of identifier that connects thru chain



Leveraging Resources

- Integrated Food Safety System
- FDA Assistance
- Rapid Response Team
- Food Safety Task Force
- Another In-State Agency
- Neighbor State Agency
- Contract 3rd party for certain situations

Establish Contracts, MOU, SOPs before the outbreak hits

Ensure trained staff before outbreak hits





Leveraging Resources (contd.)



- FSMA required product traceability
- Food Shield
- Lab Networks (PulseNet, FoodNet, etc.)
- Palantir Web-Based Dashboard
- Training Exercises
 (ER220, CDC, and other course-in-a-box options)



Important to Remember Industry Role – Engage early!



Firm(s) involved:

- Assignments share why FDA is there
- Provide information and records
- Recall, warn consumers

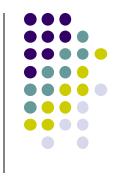
Industry Association:

- Seasonality/sources
- Market patterns
- Distribution patterns
- Assist in getting support from others in industry

Important to keep industry informed and engaged!



When to apply options



- Consider each option & when to apply
- Questions that might help decide:
 - Is an investigation likely at that firm?
 - Are samples needed? Are samples possible?Do we just need records and general info?
 - Is there an adverse firm history?
 - Is there info to help narrow which food/ingredient, or do we have an implicated food/ingredient?
 - Is the firm located close to a bordering state?



Summary



 Before the outbreak hits, establish framework to garner resources when needed

- Train ahead and maintain
 - training resources and documents available
- Reach out early; continue communications

Increase public health protection by leveraging resources





Questions?

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