

Data Acquisition to Anticipate Foodborne Hazards
National Advisory Committee on Meat and Poultry Inspection

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November 16, 2004

Objective

- Expand Sources of High Quality Data To
 - Define Hazards
 - Measure Effectiveness of Pathogen Reduction
 - Implement Optimal Regulatory Programs

Assumptions

- Data Could be Used
 - For Agency Decision Making
 - To Develop Optimal Programs
 - In Risk Management

Encouraging Data Sharing

- Advice on
 - Conditions of Data Sharing
 - Mechanisms for Data Transfer
 - Assurance of Data Quality

Background

- Vision Paper: Use Data to Anticipate Problems Before They Arise
 - Address In-Plant Issues
 - Assure Verification Activities are Appropriate
 - Optimally Allocate Agency Resources

Background

- Mr. Derfler Sought NACMPI Input on Data Needs
 - To Maximize Effectiveness of Agency Efforts
 - Ensure Safety of Meat, Poultry, & Egg Products
 - For Risk Analysis Process
 - Rule and Directives for *Listeria monocytogenes*
 - Strategy with Respect to *E coli* O157:H7

Ongoing Discussions

- Large Companies
- Trade / Professional Organizations
- Data Sought from Other Sources

- Small, Very Small Companies
- Consumer Groups
- Academicians

Perspective

- Agency Has Access to In-Plant Data
- May Not Lend Themselves to Analysis
 - Hazard Prevention
 - Allocation of Resources for Food Safety

Considerations

- Elimination of identifiers
 - Aggregation of Data
 - Regulatory Action
- Data quality
 - Accuracy
 - Amenability to Analysis
- Restricted Access
 - To Agency
 - By Protocol Review

Clarification

Intention --

- Define Hazards
- Implement Effective Food Safety Programs

Not a --

- Data Clearinghouse
- Source for FSIS Data

Mechanisms for Data Transfer

- Attributes of Data Depository
 - Operated by Agency or External Body
 - Data Management
 - Cost Effectiveness
 - Participant Buy-In
 - Responsive to Agency Data Needs

Assurance of Data Quality

- Verification of Accuracy
 - Database Cleaning
 - Logic Checks

- Double Key Critical Fields
- Database Documentation
 - Variable Names
 - Defined Categories
- Consultation

Conditions of Participation

- Aggregation
- Removal of Identifiers
- Regulatory Implications

Pilot Project

- Focus on Specific Hazard
- A Defined Policy Initiative

Questions

- Data Depository Administration
- Conditions of Participation
- Data Quality Control
- Access to Data
- Pilot Project