Massachusetts Public Health Inspector Training (MA PHIT)

Food Certificate Program

Day 2, Session 2

Risk Based Inspections and Comprehensive HACCP Systems

Massachusetts Requirement

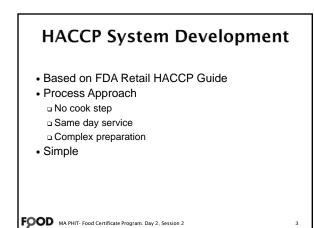
• 105 CMR 590.010(G) Inspector Training • (1) Any person conducting food inspections for the board of

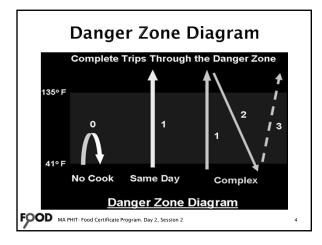
health shall be knowledgeable in foodborne disease prevention, application of the hazard analysis critical control point principles, and the requirements of 105 CMR 590.000 as they relate to food establishments in



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their city or town.

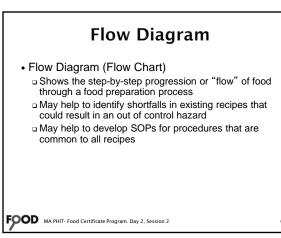






Process-Specific Lists		
<u>Process 1</u> No Cook Step	<u>Process 2</u> Same Day Service	<u>Process 3</u> Complex
Sashimi	Fried Chicken	Gravy
Ceviche	Fried Eggs	Soups
Salad Greens	Broiled Fish	Sauces
Raw Oysters	Hamburger	Chili
Cole Slaw		Egg Rolls
Tuna Salad (canned tuna)		Tamales



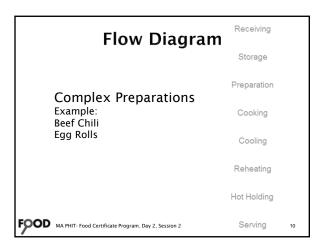


Flow Diagram	
 Use recipes and/or other written/unwritten prep procedures to group food flow into major operational steps: Receiving Storage Cooking Cooling Etc. 	
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Flow D	Flow Diagram	
No Cook Stor	Receiving	
No Cook Step Example: Tuna Salad	Storage	
Raw Salmon Sushi	Preparation	
	Cold Holding	
	Serving	
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Flow Diag	Iram	
	Receiving	
Same Day Service	Storage	
Grilled Chicken Breasts Cheese Steak Subs	Preparation	
	Cooking	
	Hot Holding	
	Serving	
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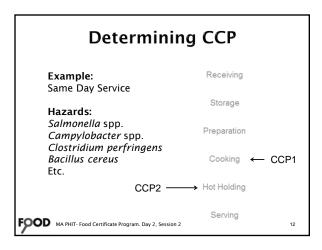






Hazard Analysis Table				
Ingredient/ Processing Step	Potential Hazard (B, C, P)	Significance (Probability & Severity)	Justification	CCP?
Raw Chicken	B - Salmonella and Campylobacter	Likely & severe	USDA: increased prevalence of <i>Salmonella</i> in poultry	Yes
Seasoning	P - small stones and other physical hazards	Remote	Controlled by prerequisite programs - proper storage of dry goods SOP	No
Cooking	B – pathogenic microorganisms	Likely & severe	Raw meats, poultry, eggs, and seafood are commonly contaminated with pathogenic microorganisms	Yes
Storage	B - pathogenic bacteria may grow and may produce toxin	Unlikely	Controlled by prerequisite programs - monitoring of refrigeration temps	No



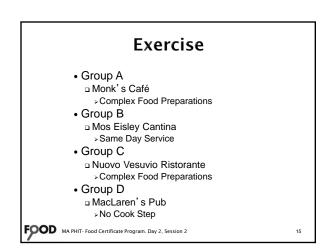


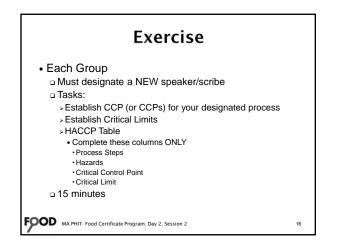


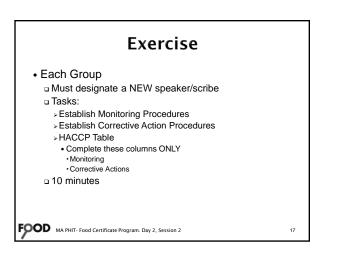
Process Step	Hazard(s)	CCP (Y/N)	Critical Limits	Monitoring	Corrective Actions	Verification	Records
Receive		N					
Store		N					
Prepare		N					
Cook	B – Pathogenic microorganism	Y	Temp. of cooked PHFs ≥145° F ≥155° F ≥165° F	What: Temperature <u>How:</u> with T- sticks <u>Frequency</u> : 2 items per batch <u>Who</u> : line cook	Continue cooking, recheck with T- sticks	- Manager review Operationa I Records (cooking, holding, corrective actions, SOP logs, etc.) - Equipment Calibration - "Spot check" on Critical Limits	Cooking Temp. Log
Hold	B - growth of spore-forming pathogens	Y	Temp. of cooked PHFs ≥140° F during holding	What: Temperature How: with infrared thermometer <u>Frequency</u> : once every 2 hours <u>Who</u> : line cook	•If < 140° F for 2 hours or less: reheat to 165° F •If < 140° F for more than 2 hours or no record: discard		Hot Holding Temp. Log
ÓD.		N					

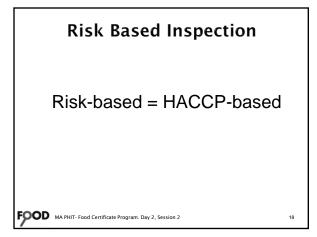


Exercise Each Group Must designate a new speaker/scribe Will be given recipes of a restaurant and assigned a process Tasks: > Group menu items for processes • No Cook Step (Group D) • Same Day Service (Group B) • Complex Prep (Group A and Group C) > Find the menu items that correspond to the process assigned to your group □ 5 minutes FOOD MA PHIT- Food Certificate Program. Day 2, Session 2









Day 2, Session 2. Risk Based Inspections

New Regulatory Perspective Shifting Focus from a Food Safety Inspector to a Systems Analyst

> Regulatory Retail Food Programs

What criteria is an agency using to measure the effectiveness of its food program?

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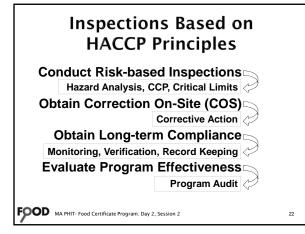
Regulatory Retail Food Programs

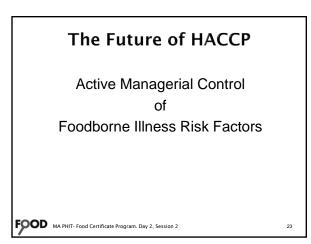
• How do you see your job?

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- What's the focus of your inspection?
- What are your intervention strategies?
 Dilow-up Inspection or Systems Development

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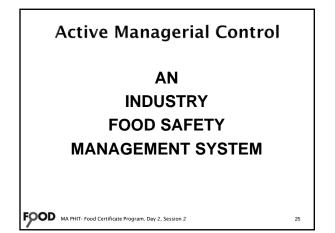


Active Managerial Control

The purposeful incorporation of specific actions or procedures by industry management into the operation of their business to attain control over foodborne illness risk factors

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Application of HACCP Principles

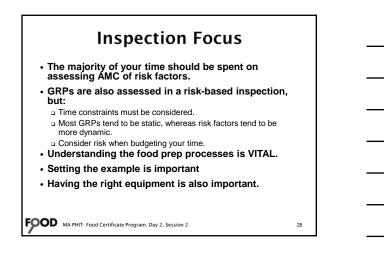
- Process vs. Product Specific Approach
- Risk-based Inspection Methodology
- On-site correction based on hazard analysis
- Industry Food Safety Management Systems:
- Standard Operating Procedures
- Purchase Specifications
 Recipe Development
- Risk Control Plans
 HACCP Plans

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Conducting Risk-based Inspections

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- 1. Focus the inspection
- 2. Establish priorities
- 3. Determine risk factors in process flows
- 4. Assess active managerial control of risk factors in process flows



Assessing Active Managerial Control vs. Code Compliance

- Assessing AMC involves more than just
 assessing compliance with the Code
- You need to ascertain what occurs at times when you' re not there
- Monitoring, corrective action, and verification procedures are in place
- Assessing AMC involves getting to the root of the problem

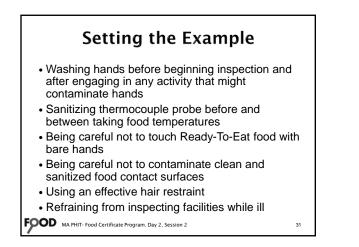
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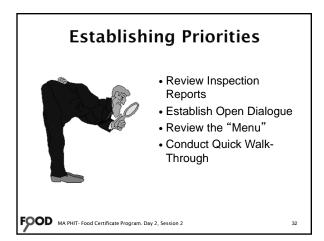
Assessing Active Managerial Control vs. Code Compliance

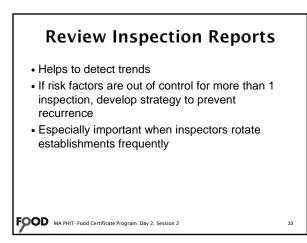
- · You must ask lots of open-ended questions
- Answers to questions supplement quantitative measurements or observations on the day of the inspection
- An establishment may be in fact IN COMPLIANCE on the day of the inspection, but lack AMC

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Establish Open Dialogue	
 With Operator and Employees Builds sense of partnership Promotes sharing of information Let the operator and employees know your food safety priorities 	
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Conduct Menu Review

- May be menu or list of foods
- Can be done at any time
- Helps identify high-risk foods or high-risk processes
- Helps to assess the operational steps that often go unevaluated

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Conduct Quick Walk-through

Helps you observe activities that often go unnoticed

Receiving, preparation, cooking, etc.

• Lets you see things that may only be there for a short time

 $\hfill\square$ Leftovers, cooling, etc.

• Floors, walls, and ceiling portions of the inspection is more static than these operational steps

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Risk Factor Priorities

• All Processes (Facility-wide Considerations)

- □ No bare hand contact with RTE food
- Handwashing
- Restriction and exclusion of sick employees
- Cross contamination of RTE food with raw animal foods and/or unclean equipment
- Food source

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Risk Factor Priorities

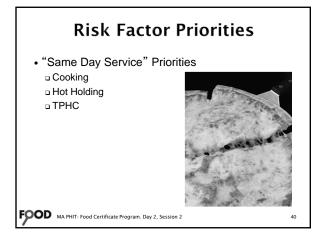
• "No Cook Step" Priorities

- Cold Holding or Time as Public Heath Control (TPHC)
 Food Source
- > Shellfish, sashimi, etc.
- Receiving Temperatures
- ≻Tuna, etc.
- Freezing to Destroy Parasites
 Raw fish consumption
- Cooling from Ambient Temperature

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Assess Active Managerial Control of Risk Factors

- Use Critical Limits in the Code
- Take the time to observe employee practices
- Ask open-ended questions to managers/food
 employees

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• Observe the flow of food to detect cross contamination problems

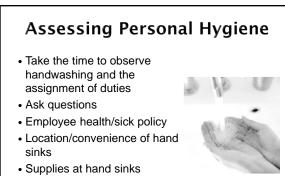
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Assessing Approved Source

- Time and day of inspection is important
- Evaluate ethnic foods
- Sashimi or ready to eat (RTE) raw seafood
- Invoices or certifications
- Shellfish tags
- Don't assume anything

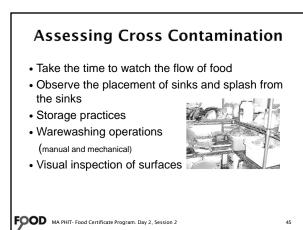
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• Don't forget the wait staff

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Assessing Cooking Temperatures

- Proper use of thermometers Dial, thermocouple, or infrared
- Proper procedures used
- Time of inspection is important



Assessing Hot and Cold Holding

- Assessing equipment versus food
- How many temperatures should you take?
- Proper use of thermometers

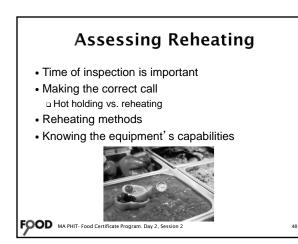


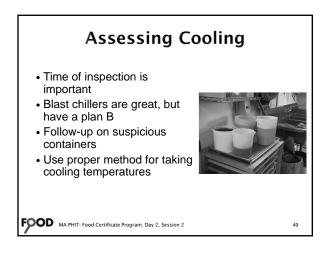
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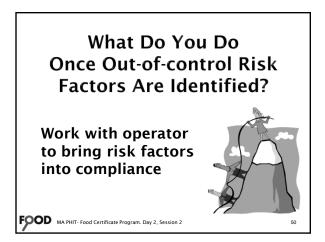
temperatureDate marking

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• Proper method for taking







An Inspection is an Assessment of an Establishment's Active Managerial Control of FBI Risk Factors

IT IS NOT AN INTERVENTION STRATEGY

Intervention Strategies

- Immediate Corrective Actions
- Risk Control Plans
- In-Service Training
- Consultation on SOPs

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Risk Control Plans

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Robin Williams, BS, RS/REHS Senior Environmental Health Specialist Food Safety Consultant Board of Health Member

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What is...

- A simple, effective tool to help establish active managerial control of risk factors
- Mutually agreed upon by PIC and Inspector
- Must describe system for mitigating harm

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When to...

- Continuous and chronically uncontrolled hazards that require more than the typical inspection report.
- Hazards brought about by procedural or behavior issues such as equipment cleaning and ongoing maintenance, equipment monitoring, employee hygiene
- Not a substitute for a HACCP Plan!

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Contents of...

• K.I.S.S.

- No particular form is required
- Include
 - Hazard to be controlledHow the hazard will be controlled
 - · Who is responsible for control

 - What are the critical limits (where safety is compromised)What monitoring, corrective actions and record keeping are required
 - The corrective action that will be taken should the limit not be met
 - The agreed time frame for correction · How the results are to be communicated back to the Inspector

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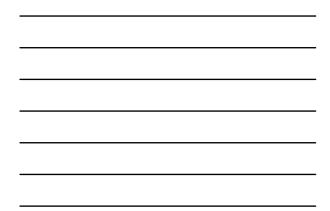
Hazards?		
Uncontrolled Process	Hazard	
Food Source	?	
Freezing	?	
Cooking	?	
Cooling	?	
Reheating	?	
Hot Holding	?	
Cold Holding	?	
Thawing	?	
Cleaning	?	
Sanitizing	?	
Employee Health	?	
Employee Hygiene	?	
Knowledge of PIC	?	

Uncontrolled Process	Hazard	
Food Source	Presence of Pathogens, toxins or chemicals	
Freezing	?	
Cooking	?	
Cooling	?	
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Uncontrolled Process	Hazard
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Cleaning	Failure to prevent transfer of pathogens	
Sanitizing	?	
Employee Health	?	
Employee Hygiene	?	
Knowledge of PIC	?	



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Employee Health	?
Employee Hygiene	?
Knowledge of PIC	?

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Knowledge of PIC	?



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Thawing	Failure to prevent growth of pathogens			
Cleaning	Failure to prevent transfer of pathogens			
Sanitizing	Failure to destroy remaining pathogens			
Employee Health	Failure to prevent disease transmission			
Employee Hygiene	Failure to prevent physical contamination			
Knowledge of PIC	Inability to manage food safety effectively			

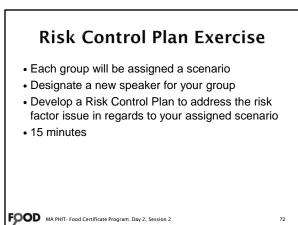
The Form

• Available at FDA.Gov in Annex 5 of:

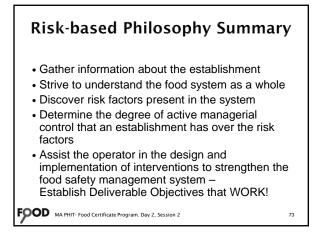
Managing Food Safety: A Regulator's Manual For Applying HACCP Principles to Risk-based Retail and Food Service Inspections and Evaluating Voluntary Food Safety Management Systems

 <u>http://www.fda.gov/Food/GuidanceRegulation/H</u> <u>ACCP/ucm078287.htm</u>

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Day 2, Session 2. Risk Based Inspections



Risk-Based Inspection Methodology

- Retail Food Operations are NOT static.
- Time of Day will be Significant
- Focus on Processes and Food Flows
- Production Schedules vs. Prepare to Order
- Assessing Risk Factors Requires Patience

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- Know your Limitations
- Recognize Your Opportunities

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