BASIC FOOD HANDLER'S COURSE (4 Hours)

Environmental Health Section Department of Preventive Medicine Tripler Army Medical Center

SECTION 1

Introduction to Foodborne Illnesses (and what causes them)

Introduction



"I am the one asking you – on behalf of myself, my family, and the 1,500 others who were sickened – please make our food system safe."

– Testimony from the congressional hearing, "The Outbreak of Salmonella in Eggs," Sept. 22, 2010

Introduction

- CDC estimates that each year, roughly 1 in 6 Americans (or 48 million people) get sick.
 - After combining the estimates for the major known pathogens and the unspecified agents, the overall annual estimate of the total burden of disease due to contaminated food consumed in the United States is 47.8 million illnesses, 127,839 hospitalizations, and 3,037 deaths.
- Among the 31 known foodborne pathogens:
 - nontyphoidal *Salmonella*, *Toxoplasma*, *Listeria*, and norovirus caused the most deaths;
 - nontyphoidal *Salmonella*, norovirus, *Campylobacter*, and *Toxoplasma* caused the most hospitalizations; and
 - norovirus caused the most illnesses. Although norovirus usually causes a mild illness, norovirus is a leading cause of foodborne deaths because it affects so many people.



http://www.cdc.gov/foodborneburden/questions-and-answers.html

CENTERS FOR DISEASE CONTROL AND PREVENTION

Foodborne Illness

- A common, costly yet preventable public health problem.
- Each year, 1 in 6 Americans gets sick by consuming contaminated foods or beverages. Many different disease-causing microbes, or pathogens, can contaminate foods, so there are many different foodborne infections. In addition, poisonous chemicals, or other harmful substances can cause foodborne diseases if they are present in food.
- Foodborne Illness Outbreak
 - Incident occurs when a group of people consume the same contaminated food and two or more of them come down with the same illness.





Foodborne Pathogens

- <u>Bacillus cereus</u> A variety of foods, particularly rice and leftovers, as well as sauces, soups, and other prepared foods that have sat out too long at room temperature; http://www.foodsafety.gov/poisoning/causes/bacteriaviruses/bcereus/
- <u>Campylobacter</u>: Raw and undercooked poultry, unpasteurized milk, contaminated water.

http://www.foodsafety.gov/poisoning/causes/bacteriaviruses/campylobacter/ index.html

• <u>*Clostridium botulinum*</u>–Infants: Honey, home-canned vegetables and fruits, corn syrup. Children and adults: Home-canned foods with a low acid content, improperly canned commercial foods, home-canned or fermented fish, herb-infused oils, baked potatoes in aluminum foil, cheese sauce, bottled garlic, foods held warm for extended periods of time.

http://www.foodsafety.gov/poisoning/causes/bacteriaviruses/botulism/index.html



Foodborne Pathogens(con't.)

• <u>Clostridium perfringens</u>: Beef, Poultry, Gravy; often occur when foods are prepared in large quantities and are then kept warm for a long time before serving. That's why outbreaks of these infections are usually linked to institutions (such as hospitals, school cafeterias, prisons, and nursing homes) or events with catered food.

http://www.foodsafety.gov/poisoning/causes/bacteriaviruses/cperfringens/index.html

• <u>E. Coli</u>: Contaminated food, especially undercooked ground beef, unpasteurized (raw) milk and juice, soft cheeses made from raw milk, and raw fruits and vegetables (such as sprouts); Contaminated water, including drinking untreated water and swimming in contaminated water; Animals and their environment: particularly cows, sheep, and goats. If you don't wash your hands carefully after touching an animal or its environment, you could get an *E. coli* infection; Feces of infected people.

http://www.foodsafety.gov/poisoning/causes/bacteriaviruses/ecoli/index.html

• <u>Lysteria</u>: Ready-to-eat deli meats and hot dogs; Refrigerated pâtés or meat spreads; Unpasteurized (raw) milk and dairy products; Soft cheese made with unpasteurized milk, such as queso fresco, Feta, Brie, Camembert; Refrigerated smoked seafood; Raw sprouts

http://www.foodsafety.gov/poisoning/causes/bacteriaviruses/listeria/index.html

Foodborne Pathogens (con't.)

- <u>Salmonella</u>: Contaminated eggs, poultry, meat, unpasteurized milk or juice, cheese, contaminated raw fruits and vegetables (alfalfa sprouts, melons), spices, and nuts. <u>http://www.foodsafety.gov/poisoning/causes/bacteriaviruses/salmonella/</u> <u>index.html</u>
- <u>Shigella</u>: Contaminated food or water, or contact with an infected person. Foods most often associated with *Shigella* outbreaks are salads and sandwiches that involve a lot of hand contact in their preparation, and raw vegetables contaminated in the field.

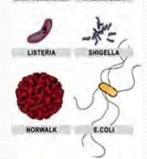
http://www.foodsafety.gov/poisoning/causes/bacteriaviruses/shigella/index.html

<u>Staphylococcus</u>: Foods that are made with hand contact and require no additional cooking, such as: Salads, such as ham, egg, tuna, chicken, potato, and macaroni; Bakery products, such as cream-filled pastries, cream pies, and chocolate éclairs; Sandwiches; Other sources include milk and dairy products, as well as meat, poultry, eggs, and related products.

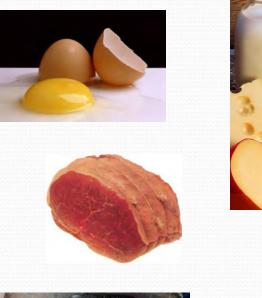
http://www.foodsafety.gov/poisoning/causes/bacteriaviruses/staphylococcus/ index.html

Foodborne Pathogens (con't.)

- <u>Toxoplasmosis</u>: Eating undercooked, contaminated meat (especially pork, lamb, and venison); Accidental ingestion of undercooked, contaminated meat after handling it and not washing hands thoroughly (*Toxoplasma* cannot be absorbed through intact skin); Eating food that was contaminated by knives, utensils, cutting boards, or other foods that had contact with raw, contaminated meat. http://www.cdc.gov/parasites/toxoplasmosis/epi.html
- <u>Norovirus:</u> Food can get contaminated with norovirus when infected people who have stool or vomit on their hands touch the food, it is placed on counters or surfaces that have infectious stool or vomit on them, or tiny drops of vomit from and infected person spray through the air and land on the food. Food can also be contaminated at their source from oysters that are harvested from contaminated water or fruit and vegetables that are contaminated in the field.



Potentially Hazardous Foods



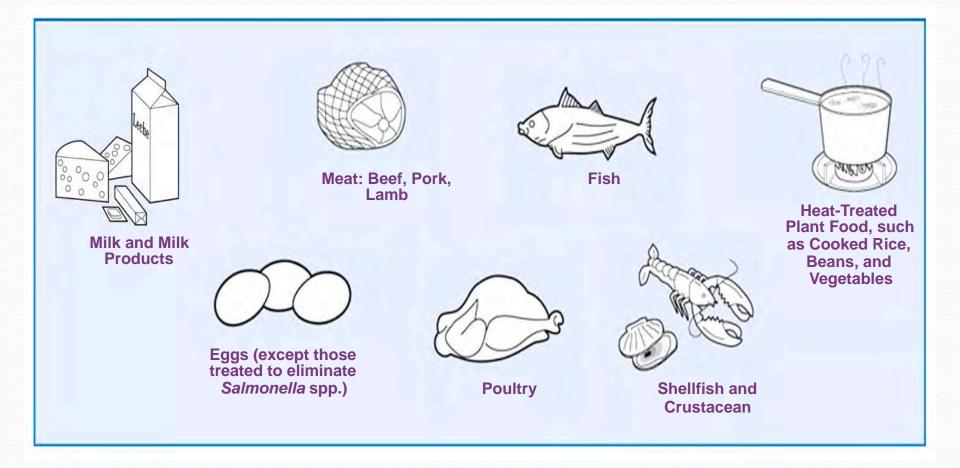




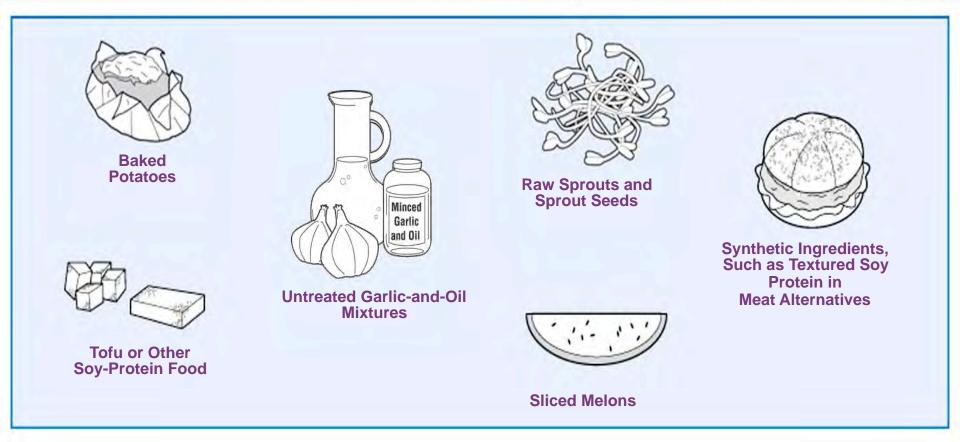


- Generally meat, poultry and dairy products.
- Supports rapid growth of microorganisms.
- Has a pH of 4.6 7.5.
- Has a water activity of 0.85 0.97.

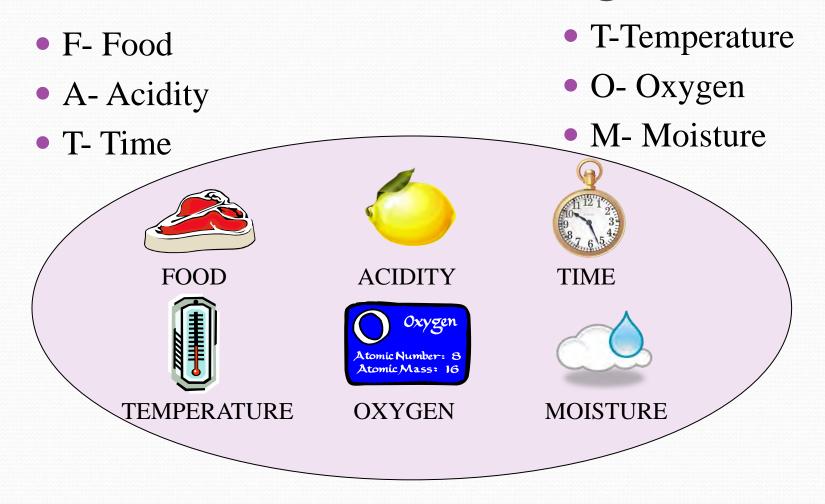
Potentially Hazardous Food



Potentially Hazardous Food



Factors Contributing To The Growth Of Pathogens







FOOD SAFETY REMINDER: Minimize bacterial growth on thawing meat by never leaving it out at room temperature. For safest thawing, allow the meat to thaw in a refrigerator for approximately one day per five pounds of meat.

How Food Becomes Unsafe

- Food from Unsafe Sources
- Inadequate Cooking
- Improper Holding/ Time-Temperature Abuse
- Contaminated Equipment/ Cross-Contamination Protection (to include food allergens)
- Poor Personal Hygiene











SECTION 2

Food from Unsafe Sources

SECTION 3

Inadequate Cooking

MINIMUM COOKING TEMPERATURES

- Eggs (made to order)Fish
- Beef
- Ground beef
- Pork
- Eggs (batch cooked)
- Poultry
- Stuffed Meats
- Dressing

145 °F (63 °C) 145 °F (63 °C) 145 °F (63 °C) 155 °F (66 °C) 155 °F (66 °C) 155 °F (66 °C) 165 °F (74 °C) 165 °F (74 °C) 165 °F (74 °C)

Note: Foods with higher cooking temperatures will be stacked below foods with lower cooking temperatures.

Cooking Food

- When cooking potentially hazardous food, the internal portion must:
 - Reach the required minimum internal temperature

8-11

• Hold that temperature for a specific amount of time

Cooking Poultry

 Poultry: (including whole or ground chicken, turkey, and duck)
 Minimum Internal Cooking Tomporatu

Minimum Internal Cooking Temperature:

165°F (74°C) for 15 seconds



Cooking Ground Meat

 Ground Meat (including beef, pork, other meat)
 Minimum Internal Cooking Temperature: 155°F (68°C) for 15 seconds



Cooking Beef, Veal and Lamb

Beef, Veal, Lamb
 Minimum Internal Cooking Temperature:
 Steaks/Chops:
 145°F (63°C) for 15 seconds

Roasts:

145°F (63°C) for 4 minutes



Cooking Fish

• Fish

Minimum Internal Cooking Temperature: **145°F (63°C) for 15 seconds**

Ground, chopped, minced fish
 Minimum Internal Cooking Temperature:
 155°F (68°C) for 15 seconds



SECTION 4

Improper Holding/ Time-Temperature Abuse

 Time-Temperature Abuse
 Any time food has been allowed to remain too long at temperatures favorable for the growth of food-borne microorganisms.

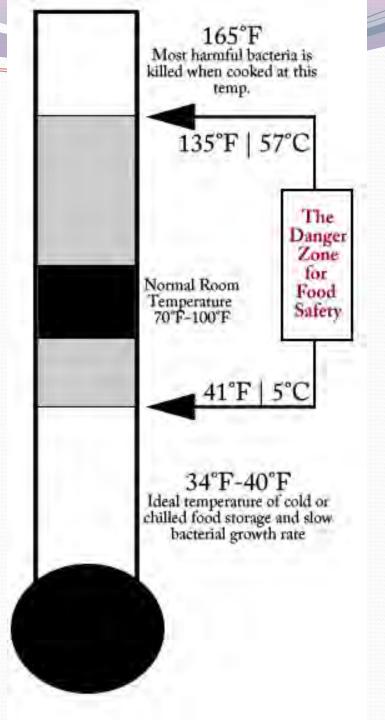
 It is important to establish standard operating procedures (SOPs) that focus on this area.



Temperature Danger Zone (TDZ) ** Between 41° - 135° F **

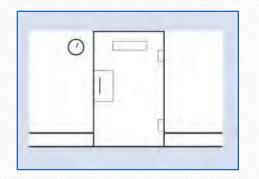
• PHFs THAT HAVE BEEN MAINTAINED AT **UNSAFE PRODUCT TEMPERATURES (I.E., TEMPERATURE DANGER ZONE) FOR** GREATER THAN FOUR HOURS **CUMULATIVE** TIME (FROM REMOVAL FROM TEMPERATURE CONTROLED EOUIPMENT TO PREPARATION AND SERVING) WILL BE CONSIDERED ADULTERATED AND WILL BE **DISCARDED** AS FOOD WASTE.

Temperature Danger Zone (TDZ)

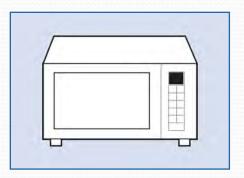


Thawing Food

• The Four Acceptable Methods for Thawing Food



In a refrigerator, at 40°F (5°C) or lower



In a microwave oven, if the food will be cooked immediately after thawing



Submerged under <u>running</u> potable water, at a temperature of 70°F (21°C) or lower



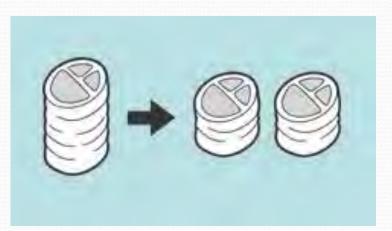
As part of the cooking process

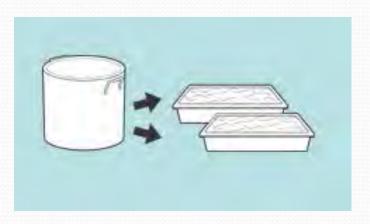
Cooling Food: Requirements

- Cool potentially hazardous food from:
 - 140°F to 70°F within 2 hours
- And then from
 - 70°F to 40°F or lower in the next 4 hours

Cooling Food: Prior to Cooling

- Before cooling food, start by reducing its size:
 - Cut larger items into smaller pieces
 - Divide large containers of food into smaller containers or shallow pans





Methods for Cooling Food

- Safe methods for cooling food:
 - Place it in an ice-water bath
 - Place containers into a sink or large pot filled with ice water
 - Stir the food frequently
 - Stir it with an ice paddle
- Food cools faster when placed in an ice-water bath and stirred with an ice paddle





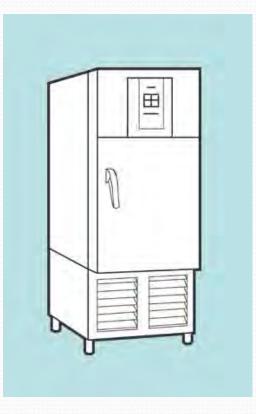
Methods for Cooling Food (con't)

• Safe methods for cooling food:

- Place it in a blast chiller
 - Blast chillers blast cold air across food at high speeds to remove heat
 - They are useful for cooling large items

Place it in a tumble chiller

- Tumble chillers tumble bags of hot food in cold water
- They are useful for cooling thick food



SECTION 5

Contaminated Equipment/ Cross-Contamination Protection (to include food allergens)

Cross-Contamination

- **Cross-contamination** the transfer of a harmful substance from one food to another by direct or indirect contact.
 - **Direct cross-contamination** involves the transfer of a harmful agent from raw foods to cooked or ready-to-eat foods.
 - <u>Example of direct contact</u>: blood from thawing ground beef dripping onto fresh produce stored on a shelf below.
 - **Indirect cross-contamination** involves the transfer of a harmful agent to foods by hands, utensils, or equipment.
 - Example of indirect contact: raw chicken prepared with a knife and cutting board and knife and cutting board are not cleaned and sanitized after use.







Food Protection

- All food will be free of hazards.
 - Physical Cross Contamination
 - Biological Cross Contamination
 - Chemical Cross Contamination











www.nypost.com

General Storage Guidelines

•All prepared food (not in it's original container) will be labeled.

- •The label must include:
 - The name of the food
 - Date and time of preparation
 - The date by which it should be sold, consumed and/or discarded



- Transfer food between containers properly
- If food is removed from its original package:
 - Put it in a clean, sanitized container
 - <u>Cover it</u>
 - Label the container with:
 - The name of the food
 - The original use-by or expiration date

- Rotate products to ensure the oldest inventory is used first
- One way to rotate products is to follow <u>FIFO</u> or First In, First Out:
 - Identify the use-by or expiration date of products
 - Shelve products with the earliest dates in front of those with later dates
 - Use products stored in front first



- If there is prepared potentially hazardous, readyto-eat food that's not sold or consumed by the end of the predetermined fundraiser time:
 - Throw it out
 - Does not pertain to pre-packaged foods (such as potato chips, snack cakes, etc.)
- Discard food that has passed the manufacturer's expiration date.

- Discard food that has passed the manufacturer's expiration date
- Potentially hazardous, ready-to-eat food that was prepared in the food facility:
 - Can be stored for 7 days at 40°F (5°C) or lower
 - Must be thrown out after 7 days



- Keep potentially hazardous food out of the temperature danger zone
 - After deliveries have been inspected, store them immediately
 - Take out only as much food as can be prepared at one time
 - Put prepared food away until needed
 - Properly cool and store cooked food when it's no longer needed

 Check temperatures of stored food and storage containers (i.e. refrigeration units, coolers, etc.)



- Store food in designated storage areas
- Do not store food:
 - Near chemicals or cleaning supplies
 - In restrooms
 - In locker rooms
 - In janitor closets
 - In furnace rooms
 - Under stairways or pipes



Never store food near chemicals or cleaning supplies

- Keep all storage areas clean and dry
 - Clean up spills immediately
 - <u>Clean dollies, carts, transporters,</u> <u>and trays often</u>

Refrigerated Storage

- Refrigerated Storage
 - The setting must keep the food at an internal temperature
 - of 40°F (4.4°C) or lower
 - Slows the growth of microorganisms



Monitor food temperature regularly

 Randomly sample the internal temperature of stored food with a calibrated thermometer



- Do not overload refrigerators
- Storing too many products:
 - Prevents good airflow
 - Makes units work harder



Overloaded refrigerator

- Use open shelving in the unit
- Lining shelving with the following restricts air circulation:
 - Aluminum foil
 - Sheet pans
 - Paper

- Never place hot food in refrigerators
 - This can warm the interior and put other food into the temperature danger zone



- Keep refrigerator doors or container utilized as refrigeration (i.e. cooler with ice) closed as much as possible
 - Frequent opening lets warm air inside
 - Replenish ice often within coolers

- Store raw meat, poultry, and fish:
 - <u>Separately</u> from cooked and ready-to-eat foods or produce

OR

 <u>Below</u> cooked and ready-to-eat foods or produce



Improper Storage 7-19

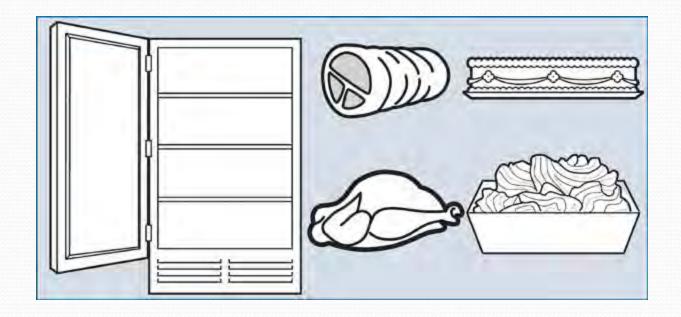
- Wrap food properly
 - Leaving it uncovered can lead to cross-contamination



Frozen Storage Guidelines

- When storing food in freezers:
 - Keep freezers at o degrees Fahrenheit or below to keep products frozen
 - Check freezer temperatures regularly
 - Place deliveries in freezers as soon as they have been inspected
 - Clearly label frozen food that was prepared on site

Where does each item go?



Dry Storage Guidelines

- Keep storerooms:
 - ≻Cool (50°F to 70°F [10°C to 21°C])
 - ≻Dry (50% to 60% humidity)
 - >No wooden pallets will be used
 - ≻Well ventilated
 - ≻Clean
 - Ensure that all food spills are cleaned up immediately!

Dry Storage Guidelines

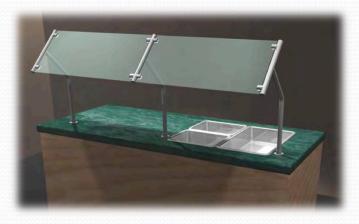
- When storing food in dry storage keep it:
 - Away from walls
 - Out of direct sunlight
 - <u>At least 6" (15 cm)</u> off the floor



SERVICE

Servers

- Use serving utensils, NEVER touch food with hands.
- Practice good personal hygiene.
- Self-service areas
 - Monitor.
 - Protect with sneeze guards.
 - Label all food items.
 - Maintain food at proper temperatures and conduct temperature checks with a calibrated thermometer
 - Keep raw foods separated from cooked or ready-to-eat items.



Proper Ways to Serve Food

- To prevent contamination when serving food:
 - Use clean and sanitized utensils for serving
 - Use separate utensils for each food
 - Clean and sanitize utensils after each task
 - Use serving utensils with long handles to keep hands away from food
 - Practice good personal hygiene



Proper Ways to Serve Food (con't.)

• To prevent contamination when serving food:

- Store serving utensils properly
 - Store them in the food, with the handle extended above the rim

of the container

Store them on a clean, sanitized food-contact surface



Proper Ways to Serve Food (con't.)

• To prevent contamination when serving food:

- Minimize bare-hand contact with cooked or ready-to-eat food
 - Handle food with tongs, deli sheets, or gloves

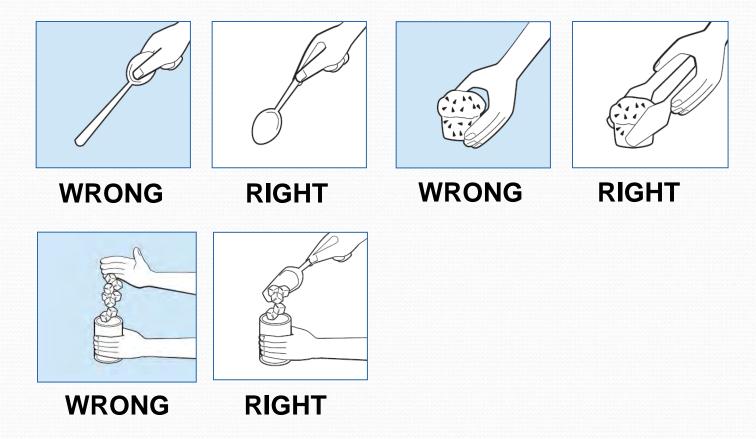


Serving Food Safely: Servers



• Handling dishes, glassware, disposable food containers, plastic utensils, etc.

Serving Food Safely: Servers



• Handling Utensils (metal or plastic/disposable) and Food

Cleaning Vs. Sanitizing

- Cleaning
 - Process of removing food and other types of soil from a surface
- Sanitizing
 - Process of reducing the number of microorganisms on a clean surface to safe levels



- Surfaces must first be cleaned and rinsed before being sanitized
- Just because a surface is clean, does this mean that it is safe?
- Is only rinsing food contact surfaces effective in minimizing cross contamination ?

Cleaning and Sanitizing Food-Contact Surfaces

- Food-contact surfaces must be washed, rinsed, and sanitized:
 - After each use
 - Anytime you begin working with another type of food
 - After a task has been interrupted and the items may have been contaminated
 - At 4-hour intervals if the items are in constant use



Factors Influencing Sanitizer Effectiveness

- Concentration for Chlorine: 100ppm
 - Concentration must be checked frequently with a test kit
 - <u>Low Concentrations</u>: May fail to sanitize objects
 - <u>High Concentrations</u>: May be unsafe, leave an odor or bad taste, corrode metals
 - Change the solution when it is dirty or when the concentration has dropped below the required level



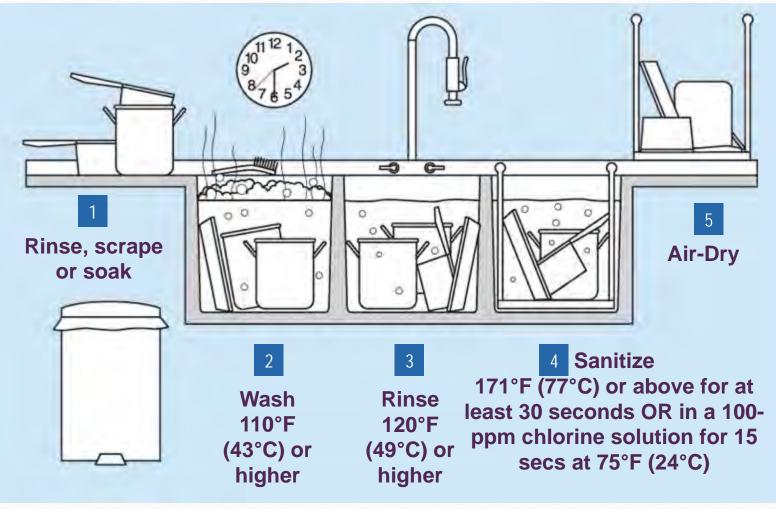
Factors Influencing Sanitizer Effectiveness

- Temperature
 - Follow the manufacturer's recommendations for the proper temperature
- Contact Time
 - The sanitizer must make contact with the object for a specific amount of time
 - Minimum times differ for each sanitizer



Three-Compartment Sinks

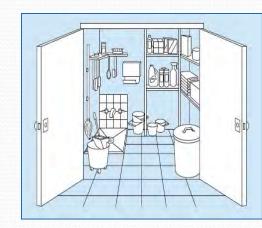
• Steps for Cleaning and Sanitizing



Cleaning Tools and Supplies

Cleaning tools and chemicals

- Should be placed in a storage area away from food and food-preparation areas
- The storage area should provide:
 - A utility sink for filling buckets and washing cleaning tools
 - A floor drain for dumping dirty water
 - Hooks for hanging mops, brooms, and brushes to allow them to air-dry



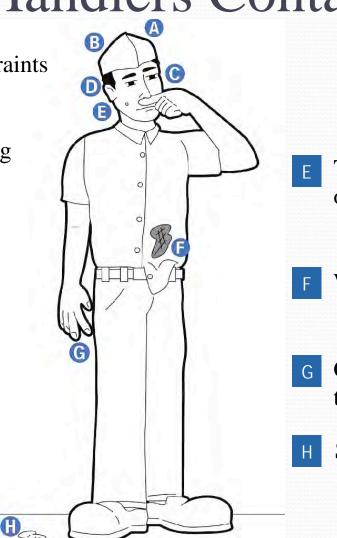
SECTION 6

Poor Personal Hygiene

How Food Handlers Contaminate Food

- A Improper or no hair restraints
- B Running fingers/touching hair
- C Wiping or touching the nose
- D Rubbing and touching

your ears



- Touching a pimple or open sore
- Wearing a dirty uniform
- G Coughing or sneezing into the hand
 - Spitting in the establishment

Good Personal Hygiene

- Good personal hygiene includes:
 - Maintaining personal cleanliness
 - Wearing proper and clean attire
 - Following hygienic hand practices
 - Avoiding unsanitary habits and actions
 - Maintaining good health
 - Reporting illnesses



Proper Work Attire

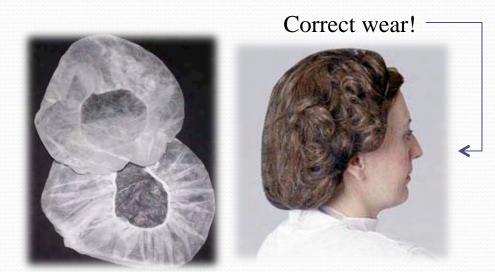
- Food handlers should:
 - A Wear a clean hat or other hair restraint
 - ^B Wear clean clothing
- C Remove aprons when leaving food-preparation areas (if applicable)
- D Remove jewelry from hands and arms
- E Wear appropriate and clean closed-toe shoes



HAIR RESTRAINTS



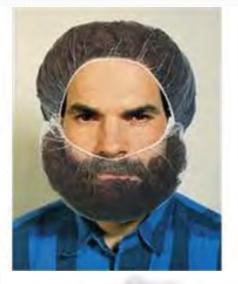
IMPROPER WEAR!



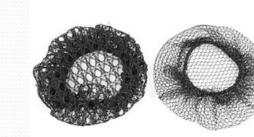
- Keeps hair from entering food.
- Keeps hands from touching hair.
- If wearing a ponytail with ball cap, the ponytail must not stick out of the hole of the ball cap. It must be either tucked under the cap or a hair net must be worn under the ball cap.

<u>Effective hair</u> <u>restraints include hair</u> <u>nets & hats.</u>

HAIR RESTRAINTS (con't.)













Hand Washing The whole process should take 15 - 20 seconds



Wet hands with running water as hot as you can comfortably stand (at least 100°F/38°C)



2 Apply soap



3 Vigorously scrub hands and exposed areas of arms for 15 seconds. Clean under fingernails and in between fingers.



Rinse thoroughly under running water.



5

Dry hands and arms with a single-use paper towel or warm-air hand dryer. Use a paper towel to turn off the faucet and open door to bathroom.

4-6

When to Wash Hands

- Food handlers must wash their hands after:
 - Using the restroom
 - Handling raw meat, poultry, and fish (before and after)
 - Touching the hair, face, or body
 - Sneezing, coughing, or using a tissue
 - Smoking, eating, drinking, or chewing gum or tobacco
 - Handling money



When to Wash Hands (con't.)

- Food handlers must wash their hands after:
 - Handling chemicals that might affect food safety
 - Taking out garbage
 - Clearing tables
 - Touching soiled clothing
 - Touching anything else that may contaminate hands, such as un-sanitized equipment, work surfaces, or washcloths.
 - WHEN IN DOUBT, WASH THEM!

4-9



Hand Antiseptics

- Must comply with Food and Drug Administration standards.
- Must *never* be used in place of hand washing.
- Do not use scented hand sanitizer.

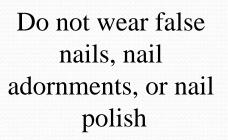


Hand Maintenance



Keep fingernails short and clean







Bandage cuts and cover bandages using finger cots and gloves.

Gloves

Gloves used for handling food:

- Do <u>NOT</u> blow into the gloves
- Must <u>NEVER</u> be used in place of hand washing
- Are for <u>SINGLE</u> use only
- Should be right for the task
- Must be safe, durable, and clean
- Must fit properly
- Must be used properly
- Do <u>NOT</u> handle money while wearing gloves





Hygienic Hand Practices: Gloves

- When to Change Gloves
 - <u>As soon as they become</u> <u>soiled or torn</u>
 - <u>Before beginning a different</u> <u>task</u>
 - <u>At least every four hours during continual use</u> and more often when necessary
 - <u>After handling raw meat and before handling</u> <u>cooked or ready-to-eat food</u>
- ***Hands must be washed before placing on gloves or in between changing gloves. During moments of high customer volume, FDA approved hand sanitizer can be utilized but once customer traffic dies down, hands will be washed with soap and water.





Wash your hands. Lather with soap for 20 seconds.

Dry your hands





Remove glove

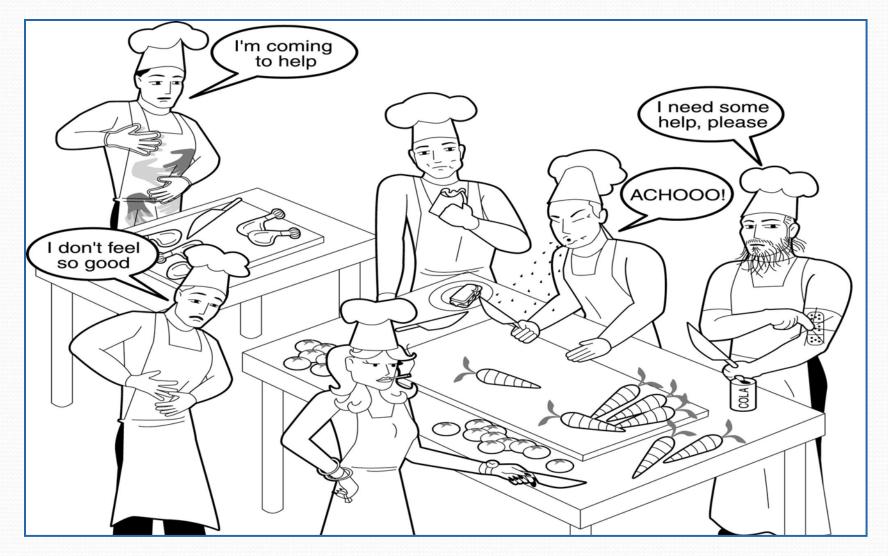


Wash your hands. ather with soap for 20. seconds.



Dry your hands

What is wrong with this?



SECTION 7

Temperature Measuring Devices (TMD)

Calibrating Thermometers

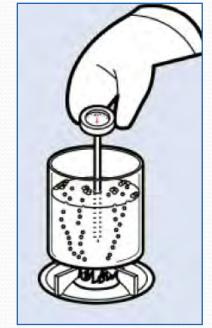
- Calibration
 - Adjusting a thermometer in order to get an accurate reading
- Two methods
 - Boiling-point method
 - Ice-point method



Calibrating Thermometers

Boiling-Point Method

- 1. Bring clean tap water to a boil
- 2. Submerge the sensing area of the thermometer stem or probe in the water for thirty seconds



3. Hold the calibration nut and rotate the thermometer head until it reads 212°F (100°C)

Calibrating Thermometers

Ice-Point Method







 Fill a large container with crushed ice and water

- 2. Submerge the thermometer stem or probe in the water for thirty seconds
- Hold the calibration nut and rotate the thermometer head until it reads 32°F (0°C)

General Thermometer Guidelines

- When using thermometers:
 - Keep thermometers and their storage cases clean
 - Calibrate them regularly to ensure accuracy
 - Never use glass thermometers to monitor food temperature
 - Insert the thermometer stem or probe into thickest part of product (usually the center)
 - Wait for the thermometer reading to steady before recording the temperature of a food item



Internal Thermometers

 \geq If utilized, there should be an INTERNAL thermometer in ALL refrigeration, freezer, and hot holding units. ≻If utilizing a cooler with ice, having an internal thermometer will help to monitor temperatures and keep cold foods out of TDZ.



PESTS







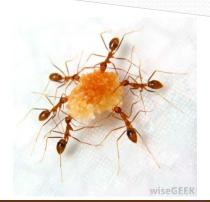


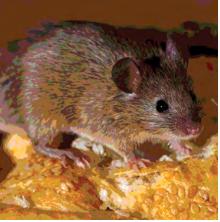
Where are they typically found?

- Idle EquipmentSoft drink syrup cabinetSteam table and salad bar
- •Behind Kick plates
- Ice maker/cooler
- •Dishwasher
- •Floor Drains
- •Dining Room Booths
- Planters
- Tray Racks
- •Trash receptacles
- •Any place that they can find food, water, and shelter!









Deny them access!

- Avoid pest infiltration by:
 - Denying them access to your area.
 - Keeping your area clean.
 - Clean up food debris from areas where food is served (to include off the ground).
 - Clean and monitor areas most susceptible to pests.
 - Dispose of garbage quickly.
 - If utilizing garbage receptacles or trash bags, ensure that the receptacles have a lid and are closed/covered when not in use.

SUMMARY

- Foodborne illnesses are **PREVENTABLE**!!
- Purchase food from safe and approved sources.
- Ensure food is cooked correctly.
- Enforce proper food holding and avoid timetemperature abuse
- Clean and sanitize contaminated equipment properly. Do everything possible to protect food from cross-contamination.
- Practice good personal hygiene!









QUESTIONS/CONCERNS?









Contact: Environmental Health Section, TAMC Bldg: 147, 1 Jarrett White Rd. Chief of EH: LTC Luna, Claudia, 433-6694 NCOIC of EH: SGT Walcott, Brianna. 433-6694

This certficate is only for Army Units in Hawaii. Instructions

Directions to register for Eliademy TAMC Food Handlers Course and to receive a certificate

- 1. Go to https://eliademy.com 3. Sign up
- 4. Enter information
- 5. Click "Find a course from Eliademy catalog"
- 6. Then Click on Categories and select USD
- 6. Class Title: TAMC Food Handlers Course
- 7. Click on the course and enroll (Enrollment will happen automatically)

- Your registration will be approved within approximately 4-5 business days.
- Read the overview, then click on training slides to review the Power Point. Once you reviewed the Power Point then click on tasks. In the Task tab you will find the quiz for the course.
- Once you have achieved a 70% or greater email

brianna.a.walcott.mil@mail.mil to receive your certificate.

• If you have any questions please email SGT Walcott at brianna.a.walcott.mil@mail.mil. Secondary POC is LT Stephens at jesse.a.stephens4.mil@mail.mil