

Lecture Objectives

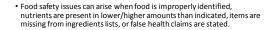
- List the agencies responsible for enforcing laws regarding food labeling.
- Explain that laws enforced by the food agencies are binding to both domestic
- Determine the reasons for which foods can be recalled including misbranding and/or adulteration and the role of labeling in each.
- Discuss labels required by USDA for safe food handling.
- · Recognize the role of date labels in food waste.

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What is Required/Regulated on a Food Label?

- · Name of the Food
- Net Quantity of Contents
- Ingredients List
- Nutrition Labeling
- Health Claims (optional)



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Note On Lecture • For the purpose of our class we are only discussing labeling as it Check Calorie relates to food safety. · Labeling is an important tool for nutrition and a vital resource for the consumer to prevent chronic health conditions. However, the role of labels in nutrition is beyond the scope of this course. University of South Florida College of Public Health our practice is our passion. University of South Florida College of Public Health





Food Labeling - FDA

- The FDA is responsible for ensuring that foods produced domestically and imported are properly labeled.
- The FDA enforces laws set out in the following two acts (see next
 - Federal Food Drug and Cosmetic Act (FD&C)
 - Fair Packaging and Labeling Act (FPLA)



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Federal Food Drug and Cosmetic Act (FD&C)

- The food section of the FD&C includes a broad range of regulations aimed at ensuring that foods are:
 - Safe
 - · Pure

 - Produced under sanitary conditions.
- For the purpose of our lecture on labeling, we are going to address the following:
- Misbranded foods
 Adulterated foods
- Food Allergen Labeling and Consumer Protection Act
 - Note: this is an amendment to the FD&C



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Fair Packaging and Labeling Act (FPLA)

- · There are several provisions of this act (most of which are enforced by the FTC, see later slides) but for the purposes of this class, the most important is the following:
 - Requires identification of food
 - Prevents consumer deception with respect to identification of ingredients.



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Misbranded Foods

- · Refers to falsely or misleadingly packaged or labeled food:
 - Incomplete/missing ingredients list
 - · Fails to list major allergens
 - Fails to list common name of product
 - False micronutrient composition Fails to list potentially dangerous
 - contents.
 - · Fails to list food additives • False nutrition claims.



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Misbranding – Warning Letter

- The food producer at left was given a warning from FDA that their product is considered misbranded for the following violations:
 - · Major allergens not listed on label.
- · Label does not contain a list of all of the ingredients in the product.

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Misbranding – Warning Letter

- · Misbranding violations for this producer included:
 - No nutrition labels
 - No common or usual food names
 - · No place of business listed for manufacturer, packer, or distributor
 - No net quantity
 - Etc.

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Misbranding – Warning Label

• In this letter the producer was warned about making false statements regarding the nutrient content of their foods:

- The FDA laboratory easily determined the listed vitamin C content was wrong.
- Incidentally, the FDA had already warned this company about false claims for iron content in another food.

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Misbranding – Warning Letter

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• In this case the FDA has

issued a warning label

on their products. The products are in fact thermally processed.

because the company used the wording "Fresh-packed"



Misbranding – Warning Letter

In this case the producer failed to label the product

PHENYLKETONURICS: CONTAINS PHENYLALANINE:

- This product contains aspartame, composed of phenylalanine.
- See next slide.

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Phenylketonuria (PKU)

- PKU is a rare condition in which a person is born without the ability to breakdown the amino acid phenylalanine.
 - . One of the diseases for which babies are screened immediately after birth.
- If products containing phenylalanine are not avoided, brain damage will occur.
- The label must always appear in a larger font than the surrounding text, all capitals, bold type.



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Adulterated Foods

- The deliberate addition of inferior or cheaper material to a food product, usually for profit gains.
 - Addition of prohibited substances
 - Substituting a cheaper product



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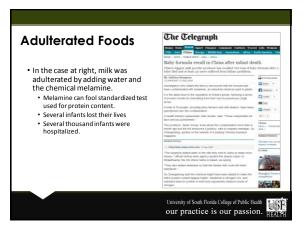
Adulterated Foods

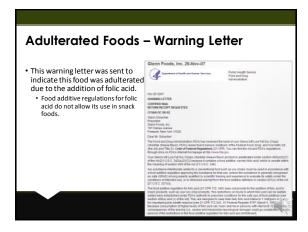
- Many foods are susceptible to adulteration.
- In the case at right, the UK equivalent to the FDA (known as the Food Standards Agency) was investigating adulterated saffron.



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USDA Safe Handling Instructions

- Safe handling instructions are required for the following:
 - · Raw meat and poultry
- · Partially cooked meat and poultry Eggs
- "This product was prepared from inspected and passed meat and or poultry. Some food products may contain bacteria that could cause illness if the product is mishandled or cooked improperly. For your protection, follow these safe handling instructions.'



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Consumer Advisory

- · Food establishments that sell or serve raw or undercooked animal foods or ingredients must inform customers about the increased risk associated with eating these foods:
- Meat
- Eggs Seafood
- Signs on doors and reminders on menus are also used.
- Items should also be described fully in menu.

WARNING

THIS FACILITY OFFERS RAW OYSTERS FROM THE GULF OF MEXICO.

EATING THESE OVSTERS MAY CAUSE SEVERE ILLAESS AND EVEN DEATH IN PERSONS WHO HAVE LIVER DISEASE (FOR EXAMPLE, ALCOHOLIC CIRRHOSIS), CANCER OR OTHER CHRONIC LILYSESSE THAT WEAKEN THE IMMUSE SYSTEM. If you set ture oyster and become ill you doubled with unselied medical direction. Thyo are summer for you are affected by one or an extensive control of the control of t

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Product Dating Labels

- Product dating labels are not required by Federal regulations with the exception of infant formula.
- · However, calendar dates (known as open dating) often appear on
 - There is no uniform or universally accepted system for dating foods in the United States.
 - · If a calendar date is used, there must be a phrase immediately adjacent explaining the meaning of that date.



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Product Dating Labels

- Phrases used on calendar date:
 - Use by
 Best before

 - Sell by • Enjoy by
 - · Born on Discard by
 - Expired
 - Best by Packed on
 - Best if used by
 - · Safe if used by Pull date
 - · Etc.

- There is no standard use for any of these terms but the following tend to be defined:
- Sell-by = this date tells the store how long to display the product for sale.
- Best if used by (or before) = recommended for best flavor or quality.
- Use-by = last date recommended for peak quality.
- IMPORTANT: NONE OF THESE DATES HAVE ANYTHING TO DO WITH THE SAFETY OF THE FOOD!

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Product Dating Labels – Infant Formula

- Federal regulations require a "use-by" date on the product label of infant formula under FDA inspection.
- This date is the last date at which the formula contains the exact nutrients listed on the label.
 - Note: nutrient content of many foods drops over time, and this can be deadly to an infant.



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Product Dating Labels - Florida

- The federal government does not regulate product dating labels but many states have chosen to enforce some dates.
- · Not consistent state to state.
- Florida requires dates on dairy and shellfish.
 - · Cannot sell after date has passed.



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Product Dating Labels

- The USDA and FDA do have it within their authority to declare the current dating system "misbranding" and enforce dates.
- · Legislation has attempted to address this issue and failed.
- · It is a critical issue because nearly 40% of foods are discarded due to these dates even though they are perfectly safe for consumption.



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Final Thoughts

- Many of the things you see are food labels have nothing to do with food safety and nutrition.
- · Some labels are used to mislead the consumer who believes they are making a healthy choice, including:
- Natural
- Local
- Fresh
- · Supports a healthy immune system
- None of the above phrases are regulated by the food industry. In other words, legally, all of these phrases could appear on a bottle of soda.







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Lecture Summary

- The FDA, USDA, and FTC enforce regulations regarding food labeling.
- Omission of ingredients, particularly allergens is the leading cause of food
- \bullet Failure to follow laws regarding labeling can result in charges of both misbranding and adulteration.
- Safe handling instructions and consumer advisories are critical to prevent foodborne illnesses from potentially raw meats and eggs.
- Food date labels are meaningless (except infant formula) and lead to considerable food waste.

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