

Objectives (1)

- Describe nutrition and fluid requirements for the older adult
- Identify basic nutrients

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• Explain the use of the U.S. Department of Agriculture's (USDA's) MyPlate

Objectives (2)

- Identify special diets ordered for the older adult based on particular illnesses or conditions
- Discuss nurse aide responsibilities related to dysphagia and prevention of aspiration, hydration and prevention of dehydration
- Explain the nurse aide's role in enteral and parenteral nutrition

Important Terms

- Nutrition when the body takes in and uses foods and fluids to maintain health
- Nutrients substance found in food and fluids used for growth and maintenance of health
- Malnutrition the lack of proper nutrition because of lack of food intake, improper diet, or impaired use of food

Good Nutrition - Importance

- Promotes physical and mental health
- ① resistance to illness

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- Produces energy and vitality
- Aids in healing

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- Assists one to feel and sleep better
- Helps avoid or manage common diseases

Characteristics of Good Nutrition

- Healthy body
- Alert expression
- Healthy, shiny hair
- Clear skin and bright eyes
- Healthy appetite
- Regular elimination

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Restful sleep

Characteristics of Poor Nutrition

- Changes in weight
- Poor skin color and appearance
- Dull looking hair, eyes and skin
- Irregular elimination
- Poor sleep
- Abnormal conditions
- Tired

Nutrients

- Water the most essential nutrient for life
- Fats help the body store energy
- Carbohydrates supply the body with energy and extra protein
- Protein essential for tissue growth and repair and supply the body with energy
- Vitamins needed by the body to function
- Minerals help build bones, make hormones, and help in blood formation

Water

- Needed for every cell in body only can survive a few days without water
- Main part of blood

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· Importance to body

- Helps move oxygen and nutrients into cells and removes waste products out of cells
- $_{\odot}$ Helps with digestion and absorption of food
- Helps maintain temperature by perspiration

Fats

- Good source of energy and gives flavor to food
- Certain fats may increase cholesterol levels and lead to heart disease
- Sources of fat butter, oil, fatty meat, etc.

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Carbohydrates

- · Supplies energy and helps body use fats
- Certain carbohydrates add fiber to the diet that help with elimination
- Sources of carbohydrates breads, fruits, candy, sugary soft drinks, etc.

Protein

- Needed by every cell to help grown new tissue and help with tissue repair
- Sources of proteins meats, cheese, beans, etc.

Vitamins and Minerals

Vitamins

- Help the body function normally
 Body gets majority of vitamins from
- certain foods •Examples are
- Vitamins A and C

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Help the body function normally
One mineral,

Minerals

- calcium, keeps bones and teeth strong
- •One mineral, iron, helps blood carry oxygen to all parts of the body

Serving Size (1)

- Two important pieces of information
 - Shows the number of servings in the package or container
 - Shows the amount for one serving or a food or beverage
- Serving sizes are given in familiar measurements, such as cups or pieces













Serving Sizes Using the Hand (2)

1 Cup (rice, fruit, veggies, cereal, pasta, baked potato)





1 Ounce

(chips, popcorn, pretzels)

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Calories

- Calorie is the energy value of a food or beverage
- Shows the number of calories in one serving

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Most people who are trying to lose weight are concerned with calorie intake

Teaching Tip:

Review Answers to Activity #1J

*Activity #2J:

Evaluation of Various Foods and and Beverages Using a Nutrition Facts Label – Check ingredients to detect food allergies

*Refer to the teaching guide at the beginning of this module.

USDA's My Plate (1)

My Plate

 Developed by U.S. Department of Agriculture It recommends balancing the intake of healthy food choices and physical activity

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My Plate

Designed to help people easily build a health plate during meal times
Shows the amounts of each food group that should be on a person's plate during meals

*USDA's My Plate (2)

My Plate

My Plate

- Emphasizes vegetables, fruits, grains, protein, and low-fat dairy
- Think about halves
 make half your
 plate fruits and
 vegetables; and half
 your grains whole
 grains

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- Advocates drinking water instead of sugary drinks
- Replaces the MyPyramid
 Helpful information at
 - the following website: www.choosemyplate.gov

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*USDA's My Plate (3) My Plate My Plate

- Vegetables: choose a variety of colored vegetables
 ·Fruits: choose
 ·Dairy: choose low-fat or fat-free milk or yogurt
 ·Protein: mix up your protein foods to include
- whole fruits fresh, frozen, dried, or canned in 100% juice • Grains – make half your grains whole

grains

Dairy: choose low-fat or fat-free milk or yogurt
Protein: mix up your protein foods to include seafood, beans, and peas, unsalted nuts and seeds, soy products, eggs, and lean meats and poultry

USDA's MyPlate Healthy Choices -Vegetables

- Eat more red, orange, and dark-green, such as tomatoes (a fruit that is considered a vegetable by nutritionists), sweet potatoes, and broccoli
- Add beans or peas to salads, soups, or side dishes
- For canned vegetables, choose reduced sodium, or no salt added

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USDA's MyPlate Healthy Choices -Fruits

- Use fruits as snacks, and in salads and desserts
- At breakfast, add bananas or strawberries to oatmeal or cereal, or blueberries to pancakes
- Choose fresh, frozen, canned in water, or 100% juice, or dried
- · Select fruit juices that are 100% fruit juice

USDA's MyPlate Healthy Choices -Grains

- Choose whole grain instead of refined-grain food when selecting breads, bagels, rolls, cereals, crackers, rice, and pasta
- Whole grains include the "whole grain" and refined grains have valuable parts of the grain removed
- Examples of whole grain include brown rice, wild rice, oatmeal, whole wheat/oats/corn products

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USDA's MyPlate Healthy Choices -Dairy

Choose skim (fat free) or 1% (low fat) milk

 Include low-fat yogurt on fruit salads, and baked potatoes

USDA's MyPlate Healthy Choices -Protein

- Eat a variety of foods each week, including seafood, beans, peas, nuts, lean meats, poultry, and eggs
- Choose seafood twice a week

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- Choose lean meats, and ground beef that is at least 90% lean
- Cut fat from meat and remove skin from poultry

USDA's My Plate Activity Plan

- Pick activities you like and do each for at least 10 minutes at a time – because every little bit adds up as activity increases
- Adults 2 ½ hours or more per week of activity of moderate effort, such as walking briskly

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*Age Related Changes Affecting Nutrition (1) "Age Related "Age Related Changes" Changes" Need for fewer Teeth/dentures calories affect ability to Vitamin and mineral chew requirements Saliva and gastric change juices decrease • Drugs may affect • Appetite and thirst how nutrients are decrease absorbed and used

Age Related Changes Affecting Nutrition (2)

Constipation may occur

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- Taste and smell diminish
- May require assistance with dining

The Diet Card

- Prepared by dietary department based on doctor's order
- · Each resident's meal has its own diet card
- At a minimum, lists the resident's room number, name, and type of diet
- The nurse aide who delivers the meal tray must verify that the right resident is receiving the right meal tray, with the right diet on it

The Regular Diet

Ordered by the doctor

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A basic, well-balanced diet

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Without limits or restrictions

Special Diets

- Also called therapeutic or modified diet
- Ordered by the doctor and planned by dietician with input from resident
- May restrict or totally eliminate certain foods or fluids, based on illness (i.e. Celiac Disease), in preparation for procedures, or to meet nutritional needs

Cultural Food Preferences and Dietary Restrictions (1)

- Culture influences dietary practices, food choices, and food preparation
- Many Buddhists are vegetarians, but some may include fish in their diet
- Some Christians, mostly Roman Catholics, do not eat meat on Fridays during Lent
- Mormons may not drink alcohol, coffee, or tea

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Cultural Food Preferences and Dietary Restrictions (2)

• Many Jewish people eat kosher foods, but do not eat pork, lobster, shrimp, or clams (shellfish). Kosher food is prepared according to Jewish dietary laws. Kosher and non-kosher foods cannot come into contact with the same plates. Jewish people who observe dietary laws may not eat meat at the same meal with dairy products

Cultural Food Preferences and Dietary Restrictions (3)

Muslims do not eat pork

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- They may not eat certain fowl
- They may not drink alcohol

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 Muslims observe regular periods of fasting as part of their religious practice

Advanced Diet

- Food is gradually reintroduced to the resident
- Reasons surgery or medical condition
- Resident may start out NPO (nothing by mouth) > ice chips > clear liquids > full liquids > mechanical soft > regular diet

*Other Forms of Nourishment (1)

- Residents may be unable to eat due to illness, surgery, or injury
- Enteral nutrition feeds the resident through a feeding tube into the gastrointestinal tract, through the nose and directly into the stomach (naso-gastric tube), or into the stomach through the abdomen (gastrostomy)

Other Forms of Nourishment (2)

Nurse is responsible for care

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- Nurse aide must keep the head of the bed elevated per facility policy
- Nurse aide must be careful to not pull on the tube and to keep tube secure

Other Forms of Nourishment (3)

- Intravenous (IV) Fluids feeds the resident through a vein
 - -Nurse is responsible for care

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- -Nurse aide observes for and reports redness, swelling, or pain at the IV site
- Nurse aide reports low supply of fluid in bag
- -Nurse aide must be careful with tubing and connections when providing care

Alternative and Supplemental Feedings

- Sometimes given when resident needs extra protein, calories, and fluids
- Examples?
- Nurse aide's responsibility?

OBRA Dietary Requirements for Residents in Nursing Homes (1)

Each person's

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- Dietary and nutritional needs are met
- Diet is nourishing, well-balanced, and tastes good

OBRA Dietary Requirements for Residents in Nursing Homes (2)

- · The food is
 - Appetizing, smells good and looks good
 - $\circ~$ Varied in color and texture
 - $\circ~$ Served at the correct temperature
 - Served promptly
 - Prepared to meet individual needs

OBRA Dietary Requirements for Residents in Nursing Homes (3)

- Other foods are offered if food served is refused
- Each person receives at least 3 meals a day, with the offer of a bedtime snack
- Assistive devices and utensils provided as needed

*Dysphagia

- Dysphagia is difficulty in swallowing
- With dysphagia, there is a danger in aspiration
- Causes of dysphagia

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Signs and symptoms

*Aspiration

- Aspiration (recall the definition) the accidental breathing in of food, fluid, vomit, or other object into the lungs
- Nurse aide's role in the prevention of aspiration

*Fluid Balance - Water

Needed to survive

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- Death can occur if you get too little or too much
- Take in water by drinking fluids and eating foods
- Lose water via urine, feces, vomit, perspiration (sweat, and lungs (breathing out), plus drainage from wounds or liquids from stomach suctioning

Fluid Balance

Needed for good health

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Amount of fluid taken in (intake) equals the amount of fluid lost (output)

Dehydration

- Resident does not take in enough fluid causing tissues to lack water
- When does it occur?

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- Nurse aide's role?
- Warning signs of potential dehydration?
- Signs/symptoms of dehydration

Edema

- Resident does not excrete enough fluid causing tissues to swell with water • Nurse aide's role

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Signs/symptoms of fluid overload

