

Nutrition and Aging

Unique nutritional needs and risks of older adults

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Decreased Caloric Needs/ Increased Nutrient Needs/ Decreased Ability to Absorb Nutrients

Changing Needs

As we Age

Decreased
Caloric
Needs





Increased or Flat Nutrient Needs

Decreased Nutrient Absorption



Protein

10-35% of daily calories / 46 g for women and 56 g for men

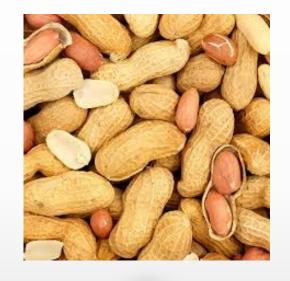
Component	Dairy	Protein	Fruits/Vegetables	Grains
Required amount per meal	One one-cup equivalent	Two to three one- ounce equivalents	One to two one-cup equivalents	One to two one- ounce equivalents
Examples	Examples of a one-cup equivalent: 1 cup milk 1 cup yogurt 1 cup fortified soymilk 1.5 ounces of natural cheese such as cheddar 2 ounces of processed cheese.	Examples of a one- ounce equivalent: 1-ounce lean meats 1-ounce seafood 1 egg 1/4 cup cooked beans 1/4 cup cooked tofu 1 tablespoon nut or seed butter 1/2 ounce nuts 1/2 ounce seeds	Examples of a one-cup equivalent: 1 cup raw vegetable 1 cup cooked vegetable 1 cup cooked fruit 1 cup vegetable juice 1 cup fruit juice 2 cups leafy salad greens ½ cup dried fruit ½ cup dried vegetable	Examples of a one- ounce equivalent: ½ cup cooked rice ½ cup cooked pasta ½ cup cooked cereal 1-ounce dry pasta 1-ounce dry rice 1 medium 1-ounce) slice of bread 1 medium (1 ounce) tortilla 1 medium (1 ounce) flatbread 1 ounce of ready-to- eat cereal (about 1 cup of flaked cereal)
Additional requirements and explanation	A. The use of nonfat or low-fat products is recommended to control the total fat content of the meal. B. Dairy may include lactose-free dairy options. C. Other products sold as "milk" but made from plants (e.g., almond, rice, coconut, oat, and hemp "milk") may contain calcium and be consumed as a source of calcium, but they are not included as part of the dairy group because their overall nutritional content is not similar to dairy milk and fortified soy beverages.	D. Legumes (beans and peas) may be considered part of this group OR the vegetable group, but not both groups simultaneously. E. The use of low-sodium protein products is encouraged.	F. Legumes (beans and peas) may be considered part of this group OR the protein group, but not both groups simultaneously. G. A variety of vegetables from all sub-groups is strongly recommended (dark green, red & orange, legumes, starchy, other). H. The use of no to low-sodium frozen, fresh, and canned vegetables is encouraged.	I. Whole grains must be offered at least 5 times per week. For meal programs serving less than 5 days per week, half of grains offered shall be whole grains.

Protein

10-35% of daily calories / 46 g for women and 56 g for men









1

Cheddar cheese (28g), Cottage cheese (25g), Greek yogurt (24g), milk (8g), per 1 cup 2

Brown rice (5g),
beans (15g),
edamame (17g),
lentils (17g), oatmeal
(6g), peas (8g),
quinoa (8g), per
cooked cup

3

Almonds (6g), chia seeds (4.7g), peanuts (7g), pumpkin seeds (8g), and sunflower seeds (6g) per lounce 4

Artichokes (3g), asparagus (2g), avocado (2g), broccoli (3g), Brussels sprouts (3g), cauliflower (2g), per 100 grams

Vitamin B12

2.4 mcg









4

1

Beef liver (20mcg), ground beef (.6mcg), chicken (.1mcg), pork (.2mcg)

Per 1 ounce

2

Canned sardines (2.5mcg), salmon (.9mcg), canned tuna (.8mcg)

cheese (1mcg), Greek yogurt (1.3mcg) Per 1 cup

3

1 egg (.6mcg), milk

(1.1mcg), cottage

Fortified cereals (varies), fortified nutritional yeast (117mcg)
Per 100g, fortified soy milk (2.1mcg)

Per 1 cup

Calcium

1,000mg for men under 71 and 1,200mg for women and men 71+









1

Plain yogurt (488mg), Milk (305mg), Greek yogurt (261mg) Per 1 2

Collard greens (268mg), Spinach (245mg), Kale (177mg) Per 1 cup 3

Lambsquarters
(464mg), Nopales
(244mg), Taro
root, Bok choy
(185)
Per 1 cup.

4

Canned sardines
(325mg) Per 3 ounces
Tofu (434mg)
Per ½ cup
Fortified drinks (283-442mg) Per 1 cup

Vitamin D

600iu









1

Milk (117iu),
Plain yogurt
(116iu)
Per 1 cup

2

Soy milk (119iu),
Almond Milk (107iu),
Rice Milk (101iu),
Fortified orange
juice (100iu)
Per 1 cup

3

Rainbow trout
(645iu), Canned
sardines (164iu),
Tilapia (127iu)
Per 3 ounces
Cod liver oil (1,360iu)
Per 1 Tb

4

Mushrooms (0-1,110iu) Per 1 cup

Potassium

2,600mg for women and 3,400mg for ment









1

2

3

4

Plain yogurt (625mg), Milk (382mg), Greek yogurt (320mg) Per 1 cup Potato w/skin (926mg) Per 1 medium Cooked spinach (839mg) Per 1 cup

Banana (451mg) Per 1 medium Cantaloupe (473mg) Per 1 cup White lima beans
(955mg)
Per 1 cup
Canned sardines
(338mg)
Per 3 ounces

Dietary Fiber

22g for women and 28g for men









Chickpeas (22g), Black or **Pinto beans** (15g), Lima **Beans (13g)** Per 1 cup

Barley (6g), Quinoa (5g), Oatmeal (4g), **Brown rice** (4g) Per 1 cup

Green peas (9g), **Sweet potato** (6g), Broccoli, Cauliflower, or Carrots (5g),

Per 1 cup

Pear (6g), Apple (5g), Orange (4g) Per 1 medium



Increased Risk of Mobility and Dexterity Concerns



Increased Risk of Dental and Swallowing Problems



Decreased Senses/ Decreased Appetite

Hungry for More Nutrition Information?

Come back to this room at 2:00 for Nutrition Trends to Unfollow

Brooke and Tracey will give advice on how to navigate nutrition in a digital world. Social media and AI have made the nutrition landscape difficult to navigate. Join Brooke and Tracey to figure out how to help your clients feel confident with nutrition information online.