

# Reducing Your Risk for Cancer: The Power of Food<sup>1</sup>

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## Overview of Cancer

Cancer is the second leading cause of death within the United States. In 2022, an estimated 1.9 million new cancer diagnoses (American Cancer Society 2022). At least 18% of cancer diagnoses and 16% of cancer deaths may have been caused by risk factors that you can change (American Cancer Society 2022), such as weight, diet, and lifestyle. This publication describes the modifiable risk factors for cancer and tips to reduce your risk for cancer.

## Risk Factors for Cancer

### Weight

Health professionals determine if one is at a healthy weight based on the Body Mass Index (BMI). BMI is calculated using your height and weight. People who are considered to be a healthy body weight have a lower risk for many types of cancer, such as breast, colon, and prostate. Extra weight alone contributes to 5% of cancers in men and 11% of cancers in women (American Cancer Society 2022).

### Diet

According to the World Cancer Research Fund (2023), your dietary habits may contribute to the risk of cancer if you:

- Eat more than 12–18 oz of red or processed meats (e.g., luncheon meats, hotdogs) each week.
- Eat meats that are fried, broiled, smoked, grilled, or charred (well done).

- Eat low amounts of fruits, vegetables, and whole grains.

## Lifestyle

Certain lifestyle behaviors may increase your risk for cancer, such as:

- Smoking: Tobacco, in all forms, is the number-one preventable cause of cancer.
- Alcohol: Drinking more than 2–3 drinks per day increases one's risk for colon, stomach, and liver cancer (World Cancer Research Fund 2023).

## Reducing Your Risk for Cancer

### Start Simple

Set a goal each week to make small changes towards health, such as:

- Choose at least 1 piece of fruit daily for a week.
- Cook at least 1 meal that is prepared with beans, vegetables, and whole grains this week.
- Eat a ½ cup of legumes daily for a week.

Eat more fruits, vegetables, beans/lentils and whole grains. These foods are:

- High in vitamins, minerals, and antioxidants.
- High in fiber.
- Low in saturated fat.

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- Choosing these foods will help you to be at a healthy body weight and will lower your risk for many types of cancer. Refer to Table 1: What and How Much to Eat in Each Food Group for further information.

## Setting Yourself Up for Success

- Use the suggested recipes in this publication for ideas and inspiration for healthy eating.
- Start making changes with a friend or family member! It can be helpful to have support.
- Ask for help from a health professional, such as a registered dietitian, to make those positive changes.

## Recipe Ideas Day 1

### Breakfast

#### ROLLED OATS WITH YOUR FAVORITE TOPPINGS

Prep time: 1 minute

Cook time: Microwave 3 minutes OR Stove-top, 7 minutes

Makes 1 Serving

#### Ingredients

- ½ cup rolled oats (sometimes called old-fashioned oats)
- 1 cup water or reduced fat milk

#### Preparation

1. Combine water (or milk), oats in a 2-cup microwavable bowl.
2. Microwave on high for 2½ to 3 minutes.

OR

1. Bring water (or milk) to a boil in a small saucepan.
2. Stir in ½ cup oats and turn heat down to medium; cook the oats for 5 minutes, while stirring.
3. Remove from the heat, cover, and let stand for 2 to 3 minutes before eating.

#### Optional toppings

- Fresh fruits
- Cinnamon
- Vanilla
- Add protein by adding 1 tbsp of nuts or seeds—try chia seeds, flax seeds, almonds, or pecans.

- If you must add sweetness, try using 1 teaspoon of maple syrup, brown sugar, or dried fruits.

## Lunch

### MEDITERRANEAN CHICKPEA SALAD

Prep time: 15 minutes

Cook time: 0 minutes

Makes 4 servings

#### Ingredients

- 1 can of chickpeas (garbanzo beans), rinsed and drained
- 1 red bell pepper chopped
- 1 yellow bell pepper chopped
- 1 green bell pepper chopped
- ½ small red onion chopped
- About 15 grape tomatoes cut into halves
- 1 medium cucumber sliced and quartered
- ⅓ cup pitted Kalamata olives (optional)
- 1 tbsp olive oil
- 2 tbsp fresh or bottled lemon juice
- 2 tsp minced garlic
- 1 tsp dried oregano
- freshly ground pepper, to taste

#### Preparation

1. Place all salad ingredients into a large bowl and toss to combine.
2. Taste and add salt and pepper as you'd like.
3. Place in refrigerator for 1 hour to marinate or serve immediately. Salad is best enjoyed within 2–3 days after making. Try making a large batch and eating for lunch tomorrow or as a side dish with dinner.

## Dinner

### BLACK BEAN SOUP

Prep time: 10 minutes

Cook time: 15–20 minutes

Makes 6 servings

#### Ingredients

- 2 cans black beans
- 1 can chicken broth
- ½ cup salsa or diced tomatoes
- 1 tbsp chili powder
- 1 tsp garlic powder

#### Optional Toppings

- 6 tbsp onion (any kind)
- 3 tbsp cilantro
- ½ avocado
- ½ tbsp nutritional yeast for cheesy flavor

#### Preparation

1. Mash one can of beans with a potato masher, blender, or large spoon.
2. Pour both cans of beans into medium saucepan.
3. Add chicken broth, salsa, and chili powder.
4. Bring to a boil and cook for 15–20 minutes, or until soup is slightly thickened.
5. Top each serving with avocado, cilantro, onions, and nutritional yeast if desired.

*Try doubling the recipe and freezing a few portions for quick meals later!*

## Recipe Ideas Day 2

### Breakfast

#### GRANOLA WITH FRUIT

Prep time: 5 minutes

Cook time: 0 minutes

Makes 1 Serving

#### Ingredients

- 1 apple, banana, or peach
- ½ cup granola or rolled oats

#### Optional Toppings

- Almond, cashew, or coconut milk
- Add protein by adding 1 tbsp of nuts or seeds—try chia seeds, flax seeds, almonds, or pecans.
- If you must add sweetness, try using 1 tsp or less of maple syrup, brown sugar, or dried fruits.

#### Preparation

1. Chop fruit into small pieces.
2. Add granola to bowl and top with fresh fruit. Add other toppings to your taste.

### Lunch

#### BLACK BEAN & CORN WRAPS WITH CUCUMBER, TOMATO, AND AVOCADO SALAD

Prep time: 15 minutes

Cook time: 0 minutes

Makes 4 Servings

#### Wrap ingredients

- 2 cans of black beans
- 1 cup of frozen corn
- ½ cup of salsa
- 1 tsp of garlic powder
- 1 tsp of cumin
- 1 tsp of onion powder
- 4 whole-wheat tortillas

#### Salsa ingredients

- 1 cucumber
- 1 tomato

- 2 avocados
- 1 lime (or squeeze of juice)

### Preparation

1. Rinse and drain two cans of black beans.
2. Add beans to a pot and place in frozen corn.
3. Make salsa. Chop cucumber, tomato, and avocados into small cubes. Toss with lime juice.
4. Mix the salsa, garlic powder, cumin, and onion powder into the bean and corn mixture.
5. Cook until beans and corn are warmed.
6. Warm tortillas for 10 seconds in microwave if desired.
7. Place beans and corn inside tortillas, top with more salsa, and wrap up.

## Dinner

### GARLIC GINGER SOUP

Prep time: 15 minutes

Cook time: 30 minutes

Makes 4 Servings

### Ingredients

- 8 oz rice noodles, buckwheat noodles, or whole-wheat noodles
- 1 red bell pepper
- 8 cups of low sodium vegetable broth
- 6 one-inch pieces of ginger, peeled and smashed
- 5 tsp minced garlic
- 1 block of extra-firm tofu, drained and pressed
- 4 tbsp of low-sodium soy sauce
- 8 tsp of lemon juice
- 1 tsp of sriracha or red pepper
- ¼ a cup of chopped cilantro
- 1 tbsp of ground ginger
- 1 tbsp of garlic powder
- 1 package frozen edamame

### Preparation

1. Dice tofu into small squares.

2. Add tofu, bell pepper, garlic powder, and ginger powder to a nonstick pan. Cook until tofu is brown.
3. In a pot, add broth, ginger pieces, and garlic. Bring to a boil and then turn down to low heat.
4. Add soy sauce, sriracha, lemon juice, frozen edamame, and cilantro to pot. Cover and continue to simmer.
5. In a separate pot, cook rice noodles according to directions on package.
6. Add cooked noodles, tofu, bell peppers, and cilantro to the broth. Let sit covered for 5 mins.

## Recipe Ideas Day 3

### Breakfast

#### 4-INGREDIENT BREAKFAST BARS

Prep time: 10 minutes

Cook time: 30 minutes

Makes 6–9 Servings

### Ingredients

- Olive oil or butter (for pan)
- 2 large, very ripe bananas OR 1 regular-size can of pure pumpkin. If using bananas, wait until the bananas are soft and covered with brown spots.
- 2 cups old-fashioned rolled oats
- ¼–½ cup flax seeds
- 1 tsp vanilla extract

### Optional Additions

- ¼ cup pitted, chopped dried dates or dried blueberries
- ½ tsp nutmeg or cinnamon
- 1 tbsp brown sugar

### Preparation

1. Heat oven to 350°F. Lightly coat a 9×9 baking pan with olive oil or butter. You can use any size baking pans you have if you are cooking in bulk.
2. Peel the bananas and mash them in a bowl. If you have a blender or mixer, you can use it.
3. Stir the oats, vanilla, flax seeds, and other ingredients into the mix.

4. When recipe is cool, cut into squares.

*Try making a few pans of this to store in your freezer for grab-and-go breakfast and snackbars!*

## Lunch

### HUMMUS & VEGGIE SANDWICH

Prep time: 10 minutes

Cook time: 0 minutes

Makes 4 Servings

#### Hummus Ingredients

- 1 tbsp lemon juice
- 1 can no-salt-added or low-sodium white beans (like cannellini) (drained, rinsed)
- 3 tbsp water
- ¼ tsp paprika (normal, smoked, or sweet)
- ¼ tsp black pepper

#### Wrap Ingredients

- ⅓–½ cup hummus
- 4 whole-wheat tortilla wraps or 8 slices whole-wheat bread or whole-grain crackers
- 1 handful lettuce, washed
- 1 cucumber, sliced
- 1 green bell pepper, sliced
- 1 avocado, optional

#### Preparation

1. Toss all ingredients into a food processor and blend until smooth, or mash in large bowl with potato masher.
2. Spread ⅓–½ cup hummus per serving on bread, crackers, or wraps. Layer on the vegetables and enjoy—or serve crackers and vegetables with hummus as a dip.

## Dinner

### BALSAMIC GLAZED TOFU, VEGETABLES, AND SWEET POTATO WEDGES

Prep time: 15 minutes

Cook time: 40 minutes

Makes 4 Servings

## Ingredients

### Vegetables

- 3–4 cups sliced squash of choice
- 1–2 cups bell peppers, mushrooms, or green beans

### Sweet Potatoes

- 3 sweet potatoes washed, scrubbed, and cut into 1” slices
- ½ tsp minced garlic
- 1 tbsp olive oil
- ¼ tsp dried thyme
- ⅛ tsp red pepper

### Tofu ingredients

- 1 lb (16 oz.) extra-firm tofu
- 3 tbsp balsamic vinegar
- 1 tsp Italian seasoning

### Preparation

1. Heat oven to 400°F.
2. Prepare tofu: Place tofu on a plate. Place another plate on top of the tofu with a few books on top and let sit for 45 minutes. Cut into 1-inch cubes and mix with other ingredients. Spread on baking sheet.
3. Mix sweet potatoes and spices in a bowl and spread on baking sheet.
4. Spread vegetables on baking sheet and sprinkle with oil, salt, and pepper.

Bake pans of sweet potatoes, tofu, and vegetables for 15 minutes. Flip and return to oven for another 15 minutes.

## Use this handy grocery list for your recipes

### Fresh/Frozen Foods

- Avocado (Pick one that is not completely firm and not yet squishy.)
- Bananas
- Cucumber
- Extra-firm tofu
- Fresh fruit (for snacks and for oatmeal)
- Fresh ginger
- Frozen corn
- Frozen shelled edamame (soybeans)

- Grape tomatoes
- Green beans (ends trimmed)
- Green peppers
- Lemons (or sub lemon juice)
- Mushrooms
- New potatoes
- Red peppers
- Small red onion
- Yellow pepper

#### Optional

- Cilantro

### Dry Goods

- Canned black beans
- Canned chickpeas/garbanzo beans
- Canned no-salt-added or low-sodium white beans (like cannellini)
- Chicken broth
- Dried fruit (for trail mix and for oatmeal)
- Rice noodles, buckwheat noodles, or whole-wheat noodles
- Rolled oats or old-fashioned oats
- Salsa (or you can use your leftover grape tomatoes)
- Vegetable broth
- Whole-wheat tortillas or pita bread

#### Optional

- Granola
- Kalamata olives
- Pumpkin (or ripe bananas)

### From Your Pantry

- Balsamic vinegar
- Chili powder
- Cinnamon
- Cumin
- Dried thyme
- Garlic powder
- Ground ginger powder
- Italian seasoning spice mix

- Minced garlic
- Olive oil
- Oregano
- Nondairy milk (almond, cashew, or coconut)
- Nuts (walnuts, almonds, pecans, or cashews)
- Salt and pepper
- Seeds (flax and/or chia seeds)
- Sriracha sauce or ground red pepper
- Vanilla

#### Optional

- Nutritional yeast
- Ground paprika (smoked or regular)

### Find more recipes at these websites

American Cancer Society <https://www.cancer.org/healthy/eat-healthy-get-active/eat-healthy/find-healthy-recipes.html>

MyPlate Recipe Guides <https://www.myplate.gov/myplate-kitchen/recipes>

### References

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Table 1. What and How Much to Eat from Each Food Group.

Food Group	Amount to Eat Daily	Focus	Reasons
Grains	6–8 ounces 1 ounce = 1 slice of bread; ½ cup cooked pasta/rice; ½ cup cooked cereal	Whole grains: whole-wheat breads, whole-wheat/buckwheat pasta, rolled old-fashioned oats, brown rice, lentils, amaranth, bulgur, quinoa, farrow, and barley	Whole grains have more nutrients and fiber than refined grains, such as white bread, white rice, and white pasta.
Fruits	At least 1.5–2 cups 1 cup equivalent = 1 cup raw or cooked fruit	Focus on fresh or frozen that are in season. Limit your juice intake to half or less than the total fruit and vegetable requirements (USDA 2016).	Frozen fruits preserve nutrients. Include a variety of colors in your dishes to obtain the vitamins and minerals you need. Juice does not have as much fiber as fresh/frozen fruit.
Vegetables	At least 2.5–3 cups 1 cup equivalent = 1 cup raw or cooked vegetable, 2 cups leafy salad greens	Eat a variety of fresh or frozen in-season vegetables every day. The more colors, the better!	Frozen vegetables preserve the nutrients. Save money by buying in season.
Dairy	3 cups 1 cup equivalent = 1 cup milk, yogurt, or fortified soy milk; 1½ ounces natural cheese, such as cheddar, or 2 ounces of processed cheese	Drink 2%, reduced-fat, or fat-free milk, and eat yogurt and cheese.	Rich source of calcium and vitamin D to help build strong bones.
Protein	5–6.5 ounces 1-ounce equivalent = 1 ounce lean meat, poultry, or seafood; 1 egg; ¼ cup cooked beans or tofu; 1 tbsp peanut butter; ½ ounce nuts or seeds	Focus on eating lean meats, beans, lentils, and soy. Bake, grill, or poach when cooking meats.	Red and processed meats may increase your risk for heart disease.
Note. *Based on an 1,800–2,000 calorie diet from the USDA 2015–2020 Dietary Guidelines for Americans			