

## What is dietary fibre?

Dietary fibre is the part of the plants we eat that we cannot fully digest. Fibre has many benefits; we need it for good health.

## Why do we need fibre?

Fibre helps to:

- Keep your digestive system healthy and prevent constipation by making stools bulky and soft.
- Lower blood cholesterol and triglyceride levels.
- Lower your risk of colon cancer, heart disease, and digestive problems like diverticulosis.
- Improve blood sugar in people with diabetes.
- Control weight gain by making you feel full so that you eat less.

## How much fibre do we need?

Female youth and adults, and children over 4 years should aim for at least 25 g of fibre per day<sup>1</sup>. Male youth and adults should aim for at least 38 g of fibre per day<sup>1</sup>.

Most Canadians eat about half the recommended amount of fibre. However, this can be improved by eating more whole grains, legumes, vegetables, and fruit.

<sup>1</sup>Source: Dietary Reference Intakes for Energy, Carbohydrates, Fibre, Fat, Protein, and Amino Acids (Macronutrients), 2002.

## Is all fibre the same?

No. There are two main types of fibre, water soluble and water insoluble. Most high fibre foods contain both types

*Soluble fibre* is a soft fibre that dissolves in water. It helps to lower blood cholesterol and to control blood sugars.

Best sources of water soluble fibre are oat bran, oatmeal, legumes such as dried peas, beans, and lentils, apples, strawberries, citrus fruits, and barley.

*Insoluble fibre* does not dissolve in water. It helps prevent constipation, keep the digestive system healthy, and lowers the risk of certain cancers.

Best sources of water insoluble fibre are wheat bran, whole grain foods like whole wheat bread, vegetables, fruits, and legumes, such as dried peas, beans, and lentils.

## Read Food Labels

Look for the following nutrition claims:

- A **very high source of fibre** has at least **6 grams** of fibre per serving.
- A **high source of fibre** has at least **4 grams** of fibre per serving.
- A **source of fibre** has at least **2 grams** of fibre per serving.

### Choose High Fibre Foods Daily

Some foods that contain more than **6 grams** of fibre per 1/2 cup (125 mL) serving:

- baked beans
- lentils, cooked
- kidney beans, cooked
- black-eyed peas, cooked
- 100% Bran
- Fibre One
- All Bran
- All Bran Buds

Some foods that contain more than **4 grams** of fibre per 1/2 cup (125 mL) serving:

- pear with skin (1 medium)
- baked potato with skin
- bran flakes
- raspberries

Some foods that contain more than **2 grams** of fibre per 1/2 cup (125 mL) serving:

- barley, cooked
- Red River cereal
- Shredded Wheat
- Raisin Bran cereal
- whole wheat bread (1 slice)
- sweet potato, with skin
- apple, with skin (1 medium)
- banana (1 medium)
- orange (1 medium)
- corn on the cob
- spinach, cooked
- parsnips, cooked
- broccoli, cooked
- green peas, cooked
- split peas
- strawberries
- raisins
- dates or figs (3)

### Increase the Fibre in Your Diet

- Choose whole grain breads/cereals/crackers, whole wheat pasta, bulgur, quinoa and brown rice.
- Eat a high fibre cereal every day, either on its own or with another favourite cereal.
- Add bran or wheat germ to hamburger patties, coating mixes, casseroles, cookies, cereals, or eat a high fibre cereal every day, either on its own or mixed with another cereal.
- Replace half the flour in baking with whole wheat or oat flour.
- Add raisins, bananas, or strawberries to your cereal.
- Add fruit to muffins and cookies.
- Choose vegetables or fruit at every meal and snack. A Food Guide serving is 1/2 cup (125 mL) or one whole vegetable or fruit. Eat the skins or peels where appropriate.
- Use prunes or prune juice in small amounts. Prunes and prune juice contain a natural laxative. Don't use them too often or in large amounts as they may cause a lazy bowel.
- Eat more legumes, such as cooked dried peas, beans, and lentils.
- Add kidney beans, chickpeas, and lentils to casseroles, salads, and spaghetti sauce.
- Use extra vegetables in casseroles, on pizza, or in salads. Add carrots, green peppers, broccoli, spinach, corn, or peas to your recipes.
- Enjoy stir-fried vegetables more often.
- Add 1 to 2 tbsps. (15-30 mL) ground flaxseed to cereal, applesauce, pudding, or in juice.

### **Fibre Supplements and Laxatives**

- Concentrated fibre sources such as Metamucil or plain Prodiem are safe to use regularly. Start with a half or quarter dose and increase gradually. Drink lots of fluids.
- Commercial laxatives should only be used under the guidance of a physician.

### **Remember:**

- Increase the fibre in your diet slowly. Eat fibre often to reduce gas and bloating.
- Drink at least six to eight cups (2 L) of fluid such as water, juice, milk, or soup each day. Fibre holds fluid, which keeps stools soft.
- Eat regular meals and snacks to keep food moving through your bowel.
- Establish a routine and allow enough time for bowel movements.
- Exercise – physical activity promotes regular bowel function.