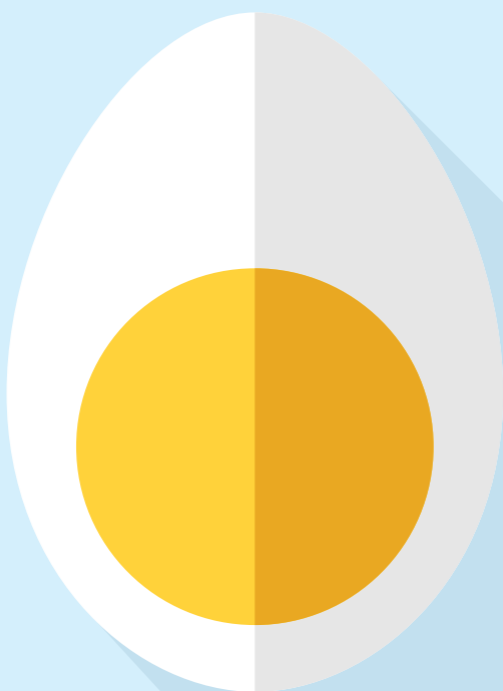


Wise Food & Lifestyle Choices
for Better Overall Health

THE IMPORTANCE OF FAT IN YOUR DIET



FOOD FOR
THOUGHT

UNDERSTANDING FATS

Have you been told to cut back on fat for your health? If so, it's good to realize your body needs some fat for good health. Understanding the basics about fat can help you make healthy choices.

Canadian adults are encouraged to consume 20 to 35% of total calories as fat.



The types of fat you eat are considered more important for health than the overall amount.²

TYPES OF FAT

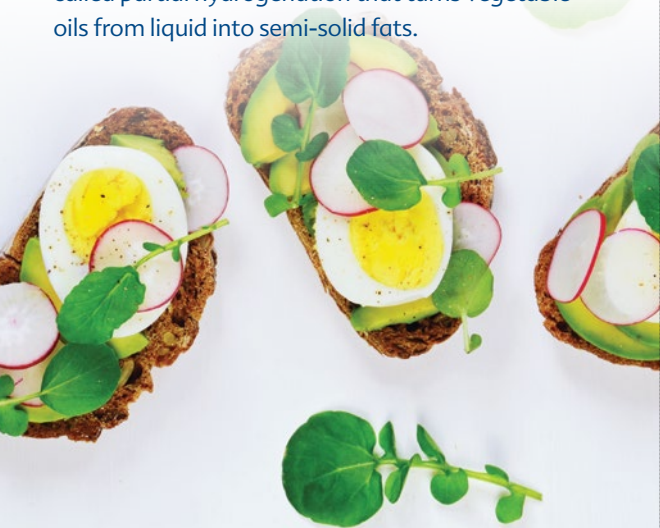
Dietary fats consist primarily of fatty acids. Fatty acids are categorized into four main types according to their chemical structure. Different types of fat can have different effects on health.

Polyunsaturated fats which include omega-3 and omega-6 fatty acids, have two or more double bonds. They tend to remain liquid.

Monounsaturated fats are omega-9 fatty acids that contain a single double bond. They typically remain liquid at low temperatures.

Saturated fats are saturated with hydrogen and have only single bonds between carbon atoms. They tend to be solid at room temperature.

Trans fats are formed using a chemical process called partial hydrogenation that turns vegetable oils from liquid into semi-solid fats.



WHAT ARE FATS?

Fats are macronutrients - an important source of energy and essential fatty acids necessary for good health. Fats also help the body absorb the fat-soluble vitamins A, D, E and K. They have many other vital functions, which include:

- › Cell structure
- › Storing energy
- › Insulating the body
- › Cushioning organs
- › Hormonal components



HOW MUCH FAT DO YOU NEED?

Current dietary recommendations from the Institute of Medicine recognize that there are a range of healthy fat intakes (as shown in Table 1).¹ These recommendations encourage Canadian adults to consume 20 to 35% of total calories as fat. For an adult who needs 2,000 calories per day, this translates to about 45 to 77 grams of fat daily. Your individual requirements will vary depending on your daily energy needs. Fat is also important for children's healthy growth and development.

TABLE 1 – RECOMMENDED DAILY FAT INTAKES

AGE (years)	RECOMMENDED FAT INTAKES* (as a percent of calories)
Children 1 - 3	30 to 40%
Children 4 - 18	25 to 35%
Adults 19 +	20 to 35%

*Based on the Acceptable Macronutrient Distribution Ranges¹

TABLE 2 – THE DIFFERENT TYPES OF FATS IN SOME

	SERVING SIZE	TOTAL FAT (g)
Naturegg™ Omega Plus™ liquid eggs (1/3 cup)	100 g	3
Naturegg™ Simply Egg Whites™ (1/3 cup)	100 g	0
Naturegg™ Omega 3 eggs (2 large)	105 g	11
Naturegg™ Omega Plus™ eggs (2 large)	105 g	11
Regular eggs (2 large)	105 g	11
Chicken, broiler, meat only, roasted	100 g	7
Salmon, Atlantic, wild, broiled	100 g	8
Potato chips, plain	50 g	17
Ground beef patty, plain, broiled	60 g	13
Butter	10 g	8
Margarine, non-hydrogenated	10 g	8

*Monounsaturated Fat
N/A = Not Available

Sources: Health Canada, Canadian Nutrient File, 2015 and Burnbrae Farms Ltd. (for Naturegg eggs)

SATURATED FATS

As nutrition research evolves, health authorities are rethinking their dietary guidance on saturated fat. The Heart and Stroke Foundation of Canada’s current advice encourages you to eat a healthy diet with a variety of natural whole foods and to eat fewer highly processed foods.²

The Foundation recognizes recent research shows the health effects of saturated fats may depend on the foods in which they are found.² You can be comfortable eating nutritious whole foods that contain saturated fats such as lean meats and dairy foods in appropriate portions as part of a healthy balanced diet. It’s the saturated fat in highly processed foods such as fried foods, donuts and candy bars that is of concern. It’s best to pay attention to the quality and quantity of the foods you eat and your overall diet rather than any one nutrient at a time.

COMMON FOODS

	OMEGA-3 (mg)	OMEGA-6 (mg)	MONO* (g)	SATURATED FAT (g)	TRANS FAT (g)
	600	300	1	1	0
	0	0	0	0	0
	800	1500	3.5	3.5	0
	800	1500	4	3.5	0
	152	1338	4	3	0
	140	1480	3	2	0
	2560	220	3	1	0
	1	0	9	2	0
	24	297	5.5	5	0
	32	216	2	5	0.5
	436	3124	1.5	2	0

*Note: **1.** Egg related values are based on sample averages and have been rounded. Therefore, types of fat may not add up to total fat. **2.** Nutrient values for processed foods can vary considerably. Thus, these represent typical values only.

Saturated fat should not be an issue if you follow this advice:

- cook from scratch at home
- choose whole natural foods
- pay attention to portion sizes
- avoid highly processed foods



TRANS FATS

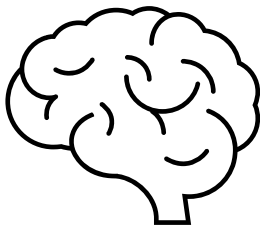
Health Canada has banned the addition of trans fats to foods sold in Canada.³ Partially hydrogenated oils were the largest source of industrially produced trans fats in Canada. It is now illegal to add partially hydrogenated oils to foods made in or imported to Canada. This ban also applies to foods prepared in food service establishments, like restaurants.

Industrially produced trans fats raise LDL (bad) cholesterol and lower HDL (good) cholesterol. This ban will effectively lower trans fats to the lowest possible level. This is expected to reduce the risk of heart disease and stroke in Canada.

CHOOSING HEALTHY FATS

Ongoing research supports the health benefits associated with diets rich in polyunsaturated and monounsaturated fats. These unsaturated fats play many important roles in:

- › membrane structures
- › blood vessel cells
- › brain development
- › brain and nerve function
- › eye health and vision
- › reproductive function



Replacing saturated and trans fats with unsaturated fats lowers LDL cholesterol.⁴ The Canadian Cardiovascular Society recommends healthy eating patterns that emphasize nutritious whole foods and unsaturated fats to help lower LDL cholesterol and prevent heart disease and stroke.⁵



Table 3 shows you where to find different types of unsaturated fats including omega-3 and omega-6 polyunsaturated fats and omega-9 monounsaturated fats.

ESSENTIAL FATS

Two of the polyunsaturated fats found naturally in foods are considered essential to human health because our body cannot make them. These include the omega-3 fatty acid, alpha-linolenic acid (ALA) and the omega-6 fatty acid, linoleic acid.

TABLE 3 – WHERE TO FIND UNSATURATED FATS

OMEGA-3 (DHA + EPA)	OMEGA-3 (ALA)	OMEGA-6	OMEGA-9
Salmon			Olive oil
Trout	Flax seeds	Corn oil	Canola oil
Tuna	Canola oil	Soybean oil	Safflower oil
Mackerel	Soybean oil	Sunflower oil	Sunflower oil
Herring	Walnuts	Peanut oil	Peanut oil
Naturegg	Omega-3 eggs*	Chicken	Avocados
Omega Plus eggs		Regular eggs	Peanut butter
Naturegg			Most nuts
Omega Plus liquid eggs			Regular eggs

*Note: Foods generally contain a variety of fats in different amounts. For example, omega-3 eggs contain DHA + EPA as well as ALA omega-3, and omega-6 and omega-9 fatty acids.

EGGS – A NATURALLY NUTRITIOUS CHOICE

Eggs are a naturally nutritious choice as part of a healthy diet. *Canada's Food Guide* recommends eggs as a protein food.⁶ Health Canada considers two eggs a serving.

A serving of 2 large eggs contains 11 grams of fat, including 7 grams of unsaturated fat, 3.5 grams of saturated fat and no trans fat.

OMEGA-3 FATTY ACIDS

Omega-3 fatty acids benefit health in a number of important ways. There are three main omega-3 fatty acids, including alpha-linolenic acid (ALA), docosahexaenoic acid (DHA) and eicosapentaenoic acid (EPA). While most Canadians get the ALA they need from foods,⁷ many may benefit from higher intakes of DHA and EPA. DHA is considered a “physiologically essential” nutrient that supports the normal physical development of the brain, eyes and nerves primarily in children under two years of age. Research suggests that higher DHA and EPA intakes may help protect heart health and contribute to optimal health throughout life.^{8,9}



Eggs contain protein plus 16 important vitamins and minerals:

- › an excellent source of protein
- › vitamins A, D, E, B₁₂, and folate
- › minerals like iron and zinc
- › plus the antioxidant lutein

All this with only 160 calories per serving (2 large eggs).

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Each serving (100 g) provides:

- 200 mg of DHA + 200 mg of EPA omega-3
- 0.8 mg of lutein
- Source of Vitamin D

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REFERENCES:

1. Institute of Medicine. Dietary Reference Intakes for Energy, Carbohydrate, Fibre, Fat, Fatty Acids, Cholesterol, Protein, and Amino Acids. Washington DC: National Academy Press, 2005.
2. Heart and Stroke Foundation of Canada. Position Statement on Saturated Fat, Heart Disease and Stroke. September 24, 2015. Available at <https://www.heartandstroke.ca/-/media/pdf-files/canada/2017-position-statements/saturatedfat-ps-eng.ashx>. Accessed November 29, 2019.
3. Health Canada. Canadian Ban on Trans Fats Comes into Force Today. News Release. Ottawa, Canada: September 17, 2019. Available at: <https://www.canada.ca/en/health-canada/news/2018/09/canadian-ban-on-trans-fats-comes-into-force-today.html>. Accessed November 29, 2019.
4. Food and Agriculture Organization of the United Nations (FAO). Fats and fatty acids in human nutrition: Report of an expert consultation 2008. Rome, Italy: 2010.
5. Anderson TJ et al. 2016 Canadian Cardiovascular Society Guidelines for the Management of Dyslipidemia for the Prevention of Cardiovascular Disease in the Adult. Can J Cardiol, 2016; 32: 1263-1282.
6. Health Canada. Canada's Food Guide. 2019. Available at: food-guide.canada.ca. Accessed November 29, 2019.
7. Health Canada. Do Canadians Meet their Nutrient Requirements Through Food Intake Alone? 2009. Available at: https://www.canada.ca/content/dam/hc-sc/migration/hc-sc/fn-an/alt_formats/pdf/surveill/nutrition/commun/art-nutr-adult-eng.pdf. Accessed November 29, 2019.
8. Holub BJ. Docosahexaenoic Acid and Cardiovascular Disease Risk Factors. Prostaglandins Leukot Essent Fatty Acids, 2009; 81:199-204.
9. Swanson D et al. Omega-3 Fatty Acids EPA and DHA: Health Benefits Throughout Life. Adv Nutr, 2012; 3: 1-7.

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