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Diabetes Education Centre

Prediabetes Self-Management Guide



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Adapted from the Diabetes Canada Clinical Practice Guidelines

WHAT IS PREDIABETES?

Prediabetes is when your blood sugar levels are higher than normal, but not high enough for a diagnosis of type 2 diabetes. If you have prediabetes, you are at a high risk for developing type 2 diabetes and are also at a higher risk for heart disease and stroke.



Not everyone with prediabetes will develop type 2 diabetes!

You can prevent or delay developing type 2 diabetes by eating healthy, exercising regularly, and losing at least 5 to 10% of your body weight.

Taking steps to live a healthier lifestyle is your chance to change your future to one that does <u>not</u> include type 2 diabetes!

WHAT INCREASES MY RISK OF GETTING PREDIABETES?

The following are risk factors for developing prediabetes. Check each item that applies to you:

I am over 40 years old.	K			
I have a parent or sibling with diabetes.				
🔲 I am African, Arab, Hispanic, Asian, Indige	nous, or South Asian.			
I had gestational diabetes or gave birth to	o a baby weighing more than 9 pounds.			
 I have high blood pressure. I have high cholesterol. I have overweight or obesity. You can control these 3 risk factors by keeping track of your targets (page 4) and using the tools provided in this booklet (page 5).				
I have been diagnosed with metabolic syndrome*.				
I have been diagnosed with polycystic ovary syndrome, acanthosis nigricans**, a psychiatric disorder,				

or obstructive sleep apnea.

] I have been prescribed a glucocorticoid medicine, such as prednisone or cortisone.

*Metabolic syndrome is when a person has 3 or more of the following conditions - high blood pressure, high blood sugar, excess weight around the waist, abnormal cholesterol, or abnormal triglyceride levels.

**Acanthosis nigricans is a condition that causes the skin in body folds and creases to darken and become velvety (most commonly around the neck, armpit and groin).

TRACK YOUR TARGETS



To check how well you are managing your prediabetes, it is important to do your A1c and/or fasting blood sugar (FBG) test(s) at least every 6 months.

Track your progress against your targets in the table below:

Date dd/mm/yyyy	A1c*	FBG	LDL-C	Blood Pressure
Track this target	At least every 6 months	At least every 6 months	Once a year	At every appointment
Target Levels	< 6.0 %	< 6.1 mmol/L	< 2 mmol/L	< 130/80 mmHg

*A1c is also called the **glycosylated hemoglobin test.** This is a blood test that tells you how controlled your blood sugar has been over **the past 3 months.** Your doctor may choose to do this test every 3 or 6 months. It is an important tool to help you and your team assess your progress and care plan.

Testing your blood sugar at home

If you have prediabetes, testing your blood sugar at home is optional. If you are interested in learning how and when to test at home, and what your targets should be, please book an appointment with one of our nurses in the Diabetes Education Centre.

YOUR TOOLS FOR MANAGING PREDIABETES





MANAGING YOUR WEIGHT

Having overweight or obesity and a higher waist circumference raises your risk of developing type 2 diabetes. A larger waistline is also linked to health problems such as heart disease and high blood pressure.

Waist circumference goals differ depending on ethnic background and gender.



In general, a healthy waist for:

- MEN is less than 40 inches (102 centimeters)
- WOMEN is less than 35 inches (88 centimeters)

Losing weight can improve your insulin resistance, blood sugars, blood pressure, and cholesterol levels.

Positive lifestyle changes, even small ones, can help you achieve and maintain a healthy body weight and improve your overall health. **Eat well, be active, be yourself!**

Aim for a loss of 5 to 10% of your weight. A healthy rate of weight loss is 1 to 2 pounds per week. You can achieve this with healthy eating and exercise. My goal weight is lb/ k *Example:* Bob is 215 lb and has been encouraged to lose 5% of his current weight. To calculate how many pounds, he can use this equation: 215 x 0.05 = 10.8 Bob's goal is to lose 11 lb in 2 to 3 months.

Your Weight Loss Target:

·····		
Healthy eating is more than the foods you eat.	Aim for a variety of healthy foods every day.	Build a healthy relationship with food and eating.
 Be mindful of your eating habits. 	 Aim for half of your plate to be vegetables. 	 Take your time to eat. Be mindful of your hunger
Cook more often.	Aim to have plant	and fullness cues.
 Read food labels. 	proteins more often.	• Plan ahead.
 Be aware of food marketing and how it can influence 	 Choose water as your main drink of choice. 	• Eat meals with others.
your choices.	Choose whole grains.	



PHYSICAL ACTIVITY

Regular physical activity reduces your risk of type 2 diabetes and helps you maintain your weight loss.

Any form of movement that causes your body to burn calories is physical activity. When you are moving, your active muscles use up sugar for energy, which helps prevent the sugar from building up in your blood.

Regular physical activity can improve your:

- Blood sugars
- Blood pressure
- Cholesterol levels
- Mental health
- Heart health
- Body image
- Sleep
- Quality of life.

Did you know?

Regular walking for a minimum of 30 minutes a day reduces the risk of developing type 2 diabetes by 35 to 40%.

(Diabetic Medicine, 2007)



If you have:

- Not been active for some time and plan to do an exercise more strenuous than brisk walking
- Any joint or muscle issues
- Shortness of breath or chest pain

Speak to your doctor BEFORE you start any exercise program. Ask your doctor what level and type of activity that is best for you.

When exercising:

- 1. Listen to your body. **STOP** if you feel unwell.
- 2. Stay hydrated.
- 3. Wear appropriate shoes and socks.

What types of physical activity can I do?

Aerobic Exercises: This type of exercise uses your major muscle groups to increase your heart rate.



Resistance Exercises: This type of exercise involves working against a resistance - either your body weight, water, or hand weights. These exercises may help to maintain weight, increase muscle, and improve mobility.



Stretching Exercises: This type of exercise improves your range of motion.



To reduce your risk of injury or pain:

- Start slowly. Do 5 to 10 minutes a day, and gradually build up to 30 minutes a day.
- Warm up and cool down.
- Choose low impact activities, such as swimming or upper body exercises.

Ø

Your Physical Activity Target

Aim for at least 30 to 60 minutes of moderate to vigorous exercise most days of the week.

Try not to go more than 2 days without any exercise.

When you are ready and able, add 20 minutes of resistance exercises, 2 to 3 times a week.

Easy Ways to Stay Active

- Use the stairs instead of the elevator.
- Dance when music is playing.
- Do exercise while waiting for a meal to cook.
- Go for a walk with a friend, or if you are bored or frustrated.
- Stand while waiting for the bus.
- Park further from the entrance.
- Walk or bike when you can.
- Wash your car by hand.

Did you know?

Doing three 10-minute exercise sessions has the same effect as doing one 30-minute exercise session of equal intensity.



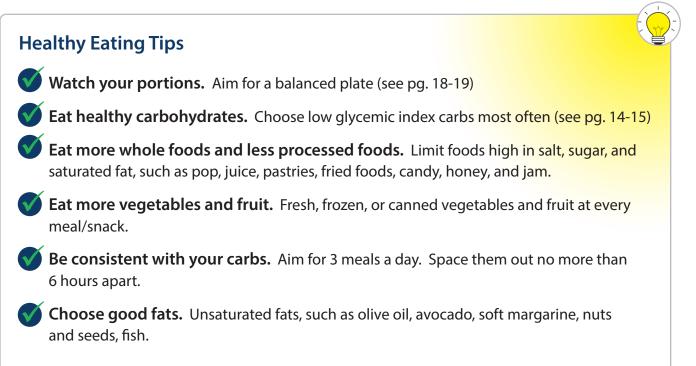
Remember!

Regular activity, with or without weight loss, can improve:

- Blood sugars
- High blood pressure
- High cholesterol
- Mental health
- Body image.



Making good food choices, eating a balanced meal, and eating the right amount of food (through portion control) at the right time can help control blood sugar levels.



HOW you eat is as important as **WHAT** and **HOW MUCH** you eat. Practice eating mindfully and promote a healthy relationship with food.

Examples of healthier choices:

Instead of	Try
French fries	Baking strips of potatoes or sweet potatoes in your oven with a small amount of oil and herbs and spices.
Ice cream and frozen dessert	Freezing yogurt in a popsicle tray.
Potato chips	Plain popcorn or homemade baked pitas.
Pop and juice	Adding flavour to your water with cucumber slices, lemon, or herbs like mint.
Pastries	Making your own high-fibre, low-fat pastries.

HEALTHY EATING: CARBOHYDRATES

What are carbohydrates?

Carbohydrates are one of the 3 key nutrients in our diet. Your body breaks down carbohydrate into sugar. This raises your blood sugar levels and provides the body with energy.

There are 3 main types of carbohydrates - starches, sugars, and fibre.

- Starches and sugars raise your blood sugars.
- **Fibre** does NOT break down into sugar. It slows the digestion of food and the movement of sugar into your blood.



You do not have get rid of carbohydrates from your diet, but it is important to watch your portions and choose carbohydrate foods high in fibre.

Which foods contain carbohydrates?

The table on the next page shows common foods that are high in carbohydrates compared to foods that contain very little carbohydrates. You can refer to this Diabetic Food Guide when making healthy food choices that have minimal effect on your blood sugar levels.

Which carbohydrate foods contain fibre?

Fibre is a type of carbohydrate that your body does NOT turn into sugar. Our bodies need between 30 to 50 grams of fibre a day, but most people only get 14 grams a day. To get enough fibre, choose foods with at least 4 grams of fibre per serving.

There are 2 types of fibre in foods:

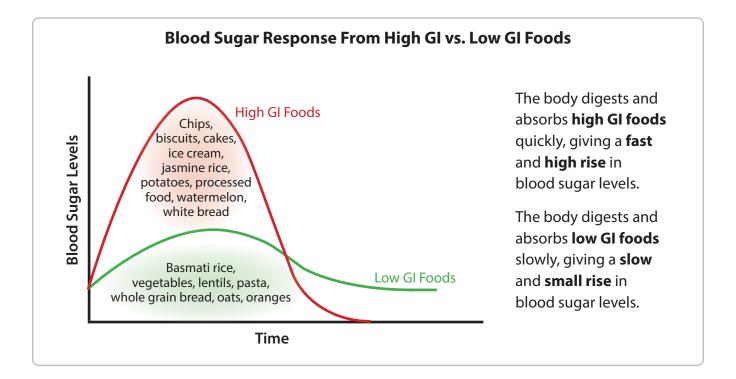
	Solut	ole Fibre	Insoluble Fibre
What it does	Helps control blood sug LDL cholesterol.	gar levels and lower	Helps keep your bowels regular and promotes a healthy digestive system.
Where it's found	 Bran buds Barley Konjac noodles Legumes (chickpeas, lentils, peas, beans) 	 Oat bran Oatmeal Vegetables (eggplant, okra) and fruits (apple, citrus, berries) 	 Seeds Skins on vegetables and fruits Wheat bran Whole grains

Diabetes Food Guide					
Foods Containing Carbohydrates					
HEALTHY LESS HEALTH					
Choose M	Choose LESS often				
Grains and Starches	Fruit	Other foods			
Or Aim: Make ¼ of your plate grains	Of Aim: 2 to 3 servings a day. Choose	LIMIT: Have in			
and starches. Choose whole grains.	fresh/frozen fruit most often.	moderation.			
Examples: Cereal, whole grain bread, pita bread, pasta, crackers, rice, plantains, corn, potatoes, squash, turnips	Examples: Apples, bananas, cantaloupes, kiwis, grapes, oranges, peaches, pineapples, raspberries	Examples: Honey, orange juice, chocolate milk, ice cream, sugar, candy,			
		chocolate, chips, pop			
Milk and Alternatives	Legumes				
 Aim: 2 to 3 servings a day. Choose low-fat, unsweetened options most often. Examples: skim/1%/2% milk, unsweetened soy milk, plain yogurt, no sugar added 	 Aim: These are high in fibre and protein. Add to your diet regularly. Examples: White beans, lentils, kidney beans, split peas, chickpeas 				
Foods Contai	ning VERY LITTLE Carbohydrates				
HEAL	THY - Choose MORE often				
Vegetables	Proteins	Fats			
The Second Seco	Or Aim: Make ¼ of your plate protein.	Aim: Have			
Cook using leaner methods (steaming).	Choose lean proteins.	in moderation.			
Examples: Mushrooms, tomatoes, cucumbers, kale, cabbage, carrots, brussels sprouts, green beans, cauliflower, celery, broccoli, eggplant	Examples: Chicken breast, pork chop, lean beef, almonds, salmon, canned tuna, eggs, cheese, sunflower seeds, seafood, natural peanut butter	Choose healthy fats. Examples: Canola or olive oil, soft tub margarine, salad			
		dressing, mayo, avocados			

Using the Glycemic Index*

The **Glycemic Index (GI)** is a scale that ranks carbohydrate foods based on how **quickly** and how **high** they raise blood sugar levels. Choosing low GI foods can help you:

- · Control your blood sugar and cholesterol levels
- Control your appetite
- Reduce your risk of heart disease.







Avoid overcooking starches: The more you cook starch, the easier it breaks down into sugar, raising your blood sugar levels more quickly.



Introduce low GI foods gradually: Gradually add low GI foods into your diet and drink plenty of fluids to avoid discomfort and gas.

Be aware of your portion sizes: Eating large portions of low GI foods can still make your blood sugar levels too high.

*Adapted with permission from Vancouver Coastal Health's Glycemic Index and Diabetes - FL.860.G525

YPE	Examples of Carbohydrate Foods Based on Glycemic Index*:				
FOOD TYPE	Low Use MOST Often	Medium Use in MODERATION	High Use LESS Often		
Breads	 Corn/whole grain tortilla Heavy mixed grain bread Sourdough bread Spelt bread Teff injera 	 Chapati, roti, pita Flaxseed bread Rye, pumpernickel bread Whole wheat tortilla 	 Corn injera Fufu Garri Mantou (Chinese steamed buns) Naan White bread/bagel Whole wheat bread 		
Cereals	 All-Bran Original Bran buds Oat Bran Steel cut oats 	 Cream of Wheat (regular) Muesli Oats (instant, large flake, quick) Raisin Bran Shredded Wheat 	 All Bran Flakes Cheerios Congee Cornflakes Instant cream of wheat Instant oats Rice Krispies Special K 		
Pasta & Noodles	 Bean thread noodles Mung bean noodles Pasta (cooked al dente) 	 Buckwheat noodles (soba) Rice noodles Rice vermicelli Udon 	 Chinese Northern white noodles Plain steamed glutinous rice roll 		
Rice	 Parboiled rice Uncle Ben's converted rice 	Basmati riceBrown riceWild rice	 Glutinous rice Instant rice Jasmine rice Short grain rice (sushi, arborio) Sticky rice 		
Other Grains	 Barley Buckwheat/Kasha Bulgur Quinoa 	 Cornmeal* Couscous Idly String hoppers Taco Shells 	 Millet Tapioca 		
*These medium GI foods are at the high end of the range (GI > 65)					

^{*}Adapted with permission from Vancouver Coastal Health's Glycemic Index and Diabetes - FL.860.G525

YPE	Examples of Carbohydrate Foods Based on Glycemic Index*:		
FOOD TYPE	Low Use MOST Often	Medium Use in MODERATION	High Use LESS Often
Starchy Vegetables	 Cassava Plantain, green Peas Sweet Potato, yams Taro Winter squash 	 Beets Breadfruit, raw Parsnip Plantain, ripe Potato, new or white Sweet corn 	 Baking Potato (Russet/ Idaho) French Fries Instant mashed potatoes Mashed potato
Fruits	 Apple Banana (green, unripe) Berries Cantaloupe Grapefruit Honeydew Mango Orange Peach Pear Plum Pomegranate 	 Banana (ripe, yellow) Cherries Cranberries (dried) Grapes Jackfruit Kiwi Lychee Pineapple Raisins 	 Banana (brown, over-ripe) Fruit juice Watermelon
Milk and Alternatives	 Almond milk (unsweetened) Cow's milk (skim/1%/2%) Soy milk (unsweetened) 		• Rice milk
Other	 Baked beans Chana dal Chickpeas Dhokla Edamame Kidney beans Lentils Popcorn Split peas 	 Arrowroot biscuits Black bean soup Breton wheat crackers* Digestive biscuits Green pea soup Ryvita crackers Social tea biscuits Stoned wheat thins* 	 Graham wafers Melba toast Pretzels Regular pop Rice cakes Rice crackers Sky Flakes Soda crackers Vanilla wafers
	ese medium GI foods are at the h		1

*These medium GI foods are at the high end of the range (GI > 65)

*Adapted with permission from Vancouver Coastal Health's Glycemic Index and Diabetes - FL.860.G525

Humber River Health



What is protein?

Protein is the second basic nutrient in a healthy diet and helps build and maintain all body tissues.

Protein foods have a **minimal effect** on raising your blood sugar level. In fact, including some protein foods with your carbohydrate foods **may help slow down the rise of your blood sugars.** However, eat protein foods in moderation. Too much protein can increase your risk for heart disease and weight gain.

Did you know?

Studies have shown that replacing animal protein with plant protein over 8 weeks improved A1C and fasting blood sugars in people with type 2 diabetes.

	Choose more often HEALTHY PROTEINS	Choose less often LESS HEALTHY PROTEINS
		CULTON CONTRACT
Red Meat	 Lean cuts of beef or veal (round, flank, chuck, sirloin, tenderloin, stewing, extra-lean ground) Pork chop, tenderloin, shoulder, or back bacon Lamb loin, leg, or shoulder Goat 	 Fatty cuts, such as prime rib or ribs Marbled meats Organ meats such as liver, heart, kidney, gizzards Bacon, ham hocks Cold cuts, deli meats, salami Hotdogs, sausages
Fish	Fresh or frozen fish or seafoodFish or seafood, canned in water	 Fried or battered fish or seafood Fish, canned in oil Salted, dried fish
Poultry	Chicken and turkey with skin removedEggs (including omega-3 eggs)	 Fried or battered chicken or turkey Poultry skins Duck, goose, self-basting turkeys
Meatless Alternatives	 Tofu, TVP, tempeh Legumes, dried beans, lentils, or peas Walnuts, almonds, pecans, pistachios Pumpkin seeds, sunflower seeds Yogurt (plain, no sugar added) Skim, 1%, or 2% milk Low-fat cheese (less than 20% M.F.) Natural nut butters 	 Honey-roasted, salted, or seasoned nuts or seeds High-fat cheeses



What is fat?

Fat is the last basic nutrient in a healthy diet. There are 3 types of fats - saturated, unsaturated, and trans fatty acids (trans fats).

Unsaturated fats are considered the "good fats". They are healthier than the other fats because they can lower your levels of "bad" cholesterol (LDL cholesterol) in your blood. The "good" fats also have a **minimal effect** on raising your blood sugar level.

Including some of the "good" fats with your carbohydrate foods will slow down the rise of your blood sugar levels and protect your vital organs. But, watch your portions! Large amounts of fat can easily cause weight gain and increase your risk for heart disease.

	Types of Fats	Major Food Sources	Effects on the Body
	Monounsaturated Fats	 Olive, canola, safflower, sunflower, sesame, peanut oils Soft tub margarine Avocados 	↓ LDL ↑ HDL
Choose more often HEALTHY FATS	Polyunsaturated Fats	 Canola, flaxseed, corn, safflower, soybean, sunflower oils Soft tub margarine Walnuts 	↓ LDL
eg -	Omega-3 fatty acids	 Fatty fish (salmon, trout, mackerel, herring, sardines) Nuts and seeds (walnuts and pine, sesame, sunflower, flax, pumpkin seeds) 	 ↓ LDL ↓ Triglycerides ↓ Blood pressure Prevents blood clotting
LESS HEALTHY FATS	Choose less often Saturated Fats	 Full fat dairy products (3.25% M.F. milk, 2% M.F. yogurt, > 20% M.F. cheese), butter, lard, ghee, tropical oils (coconut, palm found in instant noodles, chocolate, cookies, ice cream) Red meat 	↑ LDL ↑ Total Cholesterol
	AVOID Trans Fats	 Used to be in processed foods. Canada no longer allows trans fats to be added to food. In some foods, trans fats may be replaced with saturated fat like palm oil. 	↑ LDL ↓ HDL ↑ Triglycerides

HEALTHY EATING: SPACE ON YOUR PLATE

BREAKFAST: Use this plate* as a guide to make a healthy **breakfast**. Follow how the plate is divided to control your portions and choose healthy food options from each of the food groups:

- Babybell (light), Laughing Cow cheese (light)
- Canned fish (water-packed)
- Cottage cheese (low-fat)
- Eggs
- Tofu
- Hard cheese (light, low-fat, < 20% M.F.)
- Legumes (beans, lentils, dahl)
- Nuts, seeds
- Nut butters (peanut or almond)
- Peameal bacon (occasionally)

Protein 1/4 of your plate

1/4 of your plate

Fruit

Fresh or frozen:

- 1 medium fruit
- 1/2 grapefruit
- 2 kiwis
- 2 clementines
- 2 tangerines
- 15 grapes
- 1 melon wedge
- 1/2 large banana
- 1/2 mango
- 2 plums
- 1 cup blueberries
- 2 cup blackberries/raspberries/strawberries
- 15 cherries

Canned: 1/2 cup serving, "in it's own juice" or water

*Use a 9-inch plate or a shallow bowl

100% whole grains: bread, English muffin, waffle, pita, tortilla, whole grain roti

Hot cereal: oatmeal, cornmeal, Cream of Wheat **Cold/dry cereal:** Look for cereals with at least 4 g of fibre per serving and less than 10 g of sugar per serving.

Grains & Starches 1/4 of your plate



Milk: Skim, 1%, 2%, goat milk, soy milk (unsweetened), almond milk

Yogurt: < 2% M.F., no sugar added Kefir: < 2% M.F. Buttermilk: < 2% M.F. **LUNCH AND DINNER:** Use this plate* as a guide to make a healthy **lunch** or **dinner**. Follow how the plate is divided to control your portions and choose healthy food options from each of the food groups:

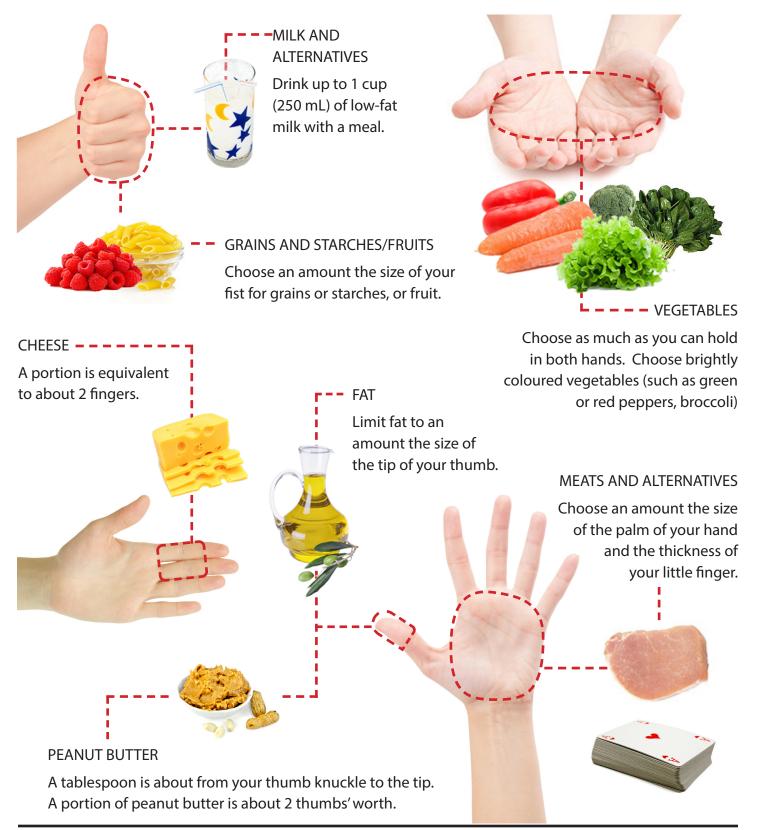
• Fish (fresh, frozen, canned) • Rice (parboiled, • Sweet potato Lean meat basmati, brown) • Whole grain bread Skinless chicken Pasta (cooked • Roti, chapatti • Legumes (lentils, beans) al dente) Plantain • Pita (whole wheat) • Eggs • Barley Tofu, Tempeh • Quinoa • Tortilla (whole wheat) Paneer • Bulgur • Cheese (< 20% M.F.) • Nut butters **Grains & Starches** Protein 1/4 of your plate 1/4 of your plate **Vegetables (2 kinds)** 1/2 of your plate

Try to have a dark green and a bright-coloured vegetable every day.



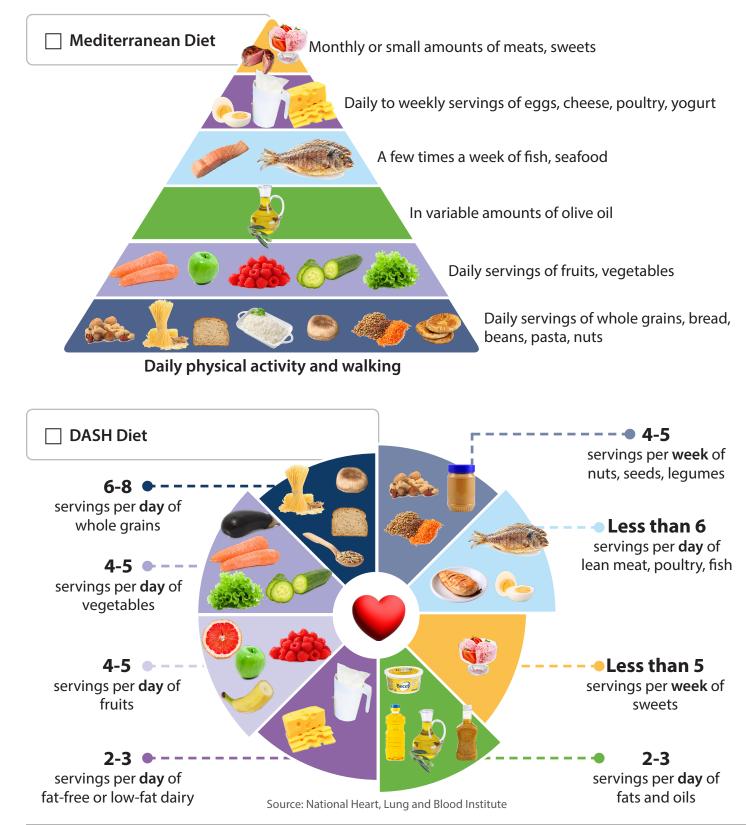
HEALTHY EATING: HANDY PORTION GUIDE

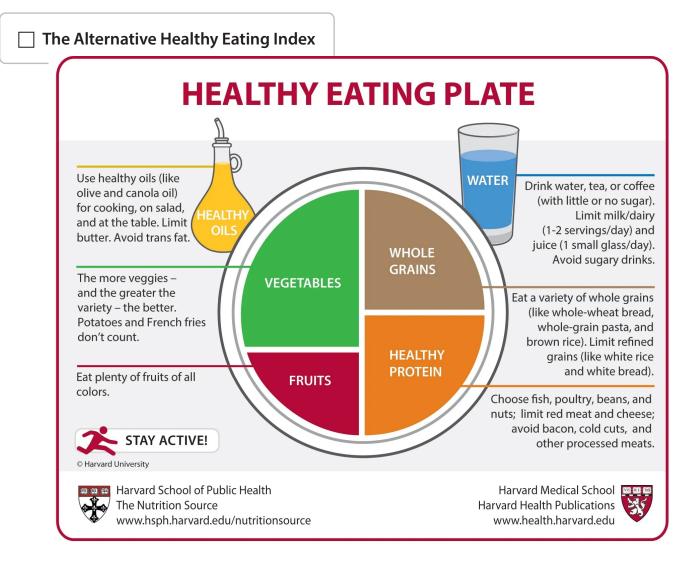
Your hands can also be very useful in estimating portions. When planning a meal, use the following portion sizes as a guide:





There is no "one-size-fits-all" diet. Choose one that supports your best health and that you can maintain over time. The following are eating patterns that you can use to help reduce your risk for type 2 diabetes.





Visit Diabetes Canada at <u>www.diabetes.ca</u> for more information and sample meal plans that follow these eating patterns.



	SAMPLE Meal Plan for WOMEN	SAMPLE Meal Plan for MEN
	¹ ⁄ ₂ cup (125 mL) shredded wheat cereal	2 slices whole grain bread
ast	1 cup (250 mL) skim milk	1 cup (250 mL) skim milk
Breakfast	½ banana	½ banana
Bre	12 almonds	2 slices low fat cheese
	Coffee or tea	1 tsp (5 mL) Becel margarine
Morning Snack	3.5 oz (100 g) no-sugar added yogurt	Medium apple
	2 slices whole wheat bread	1 whole wheat pita
	½ cup (250 mL) canned salmon	½ cup (125 mL) diced chicken
ح	1 tbsp (15 mL) light mayonnaise	Lettuce, tomatoes, diced peppers
Lunch	1 tbsp (15 mL) salad dressing	2 tbsp (30 mL) light mayonnaise
-	2 cups (500 mL) mixed greens	1 cup (250 mL) strawberries
	1 cup (250 mL) blueberries	1 cup (250 mL) milk
	Tea or coffee	
Afternoon Snack	Medium pear	3.5 oz (100 g) no-sugar added yogurt
	1 cup (250 mL) parboiled rice	1 ½ cup (375 mL) whole wheat pasta
	3 oz (85 g) grilled salmon	1 cup (250 mL) tomato sauce
Dinner	1 tsp (5 mL) Becel margarine	Salad
Din	1 cup (250 mL) roasted vegetables	4 oz (115 g) baked fish filet
		1 tbsp (15 mL) light salad dressing



Per Serving (Serving Size): Nutrition information is based on this serving size. Multiply or divide based on your portion.

В

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Nutrition Facts Valeur nutritive Per 1 cup (250 mL) pour 1 tasse (250 mL)	e
A Calories 96	% Daily Value* % valeur quotidienne
Fat / Lipides 0 g	0 %
Saturated / saturés	0g 0%
+ Trans / trans 0 g	
Carbohydrate / Gluc	i des 36 g
Fibre / Fibres 6 g	24 %
Sugars / Sucres 3 g	3 %
Protein / Protéines 2	2 g
Cholesterol / Choles	térol 0 mg
Sodium 0 mg	0 %
Potassium 450 mg	10 %
Calcium 30 mg	2 %
Iron / Fer 0 mg	0 %
*5% or less is a little , 15% or *5% ou moins c'est peu , 15%	

A

% **Daily VALUE (DV):** The Daily Value shows if there is a lot or a little of the nutrient in a serving of food. It also makes it easier to compare foods. The DV is based on recommendations for a healthy diet. Eat a variety of foods to meet 100% of your daily requirements.

> 5% DV or less = A LITTLE 5% DV or more = A LOT

Choose foods with:

LESS (< 5% DV)	MORE (> 5% DV)
• Fat	• Fibre
 Saturated fat 	• Vitamin A
Trans fat	Calcium
Sodium	• Iron
• Sugar	

Sugars and Starch: Include naturally occurring sugars in fruit and milk, as well as added or refined sugars. It is easy to see how much added sugar you are getting from foods that have little or no naturally occurring sugar (such as soft drinks, pastries). Aim to limit <u>added</u> sugars to 40 grams or 1 teaspoon/day.

C



MANAGING YOUR CHOLESTEROL

Two main types of cholesterol are found in your blood: HDL ("good") cholesterol and LDL ("bad") cholesterol.

- High levels of HDL ("good") cholesterol in your blood can reduce your risk of heart disease.
- High levels of LDL ("bad") cholesterol in your blood can increase the risk of heart disease.

If a blood test shows you have high cholesterol, this means you have a high level of LDL cholesterol in your blood. You can reduce your LDL cholesterol levels by managing your weight, eating healthy, and regular physical activity.



Are you doing all you can to lower your LDL?

- 1. I am taking my cholesterol medicine(s) as prescribed by my doctor.
- 2. My weight is in the healthy range.
- 3. My waist measurement is in the healthy range.
- 4. I choose low-fat foods and avoid saturated and trans fats.
- 5. I limit cholesterol-containing foods.
- 6. I choose high-fibre foods.
- 7. I eat vegetables and fruits every day.
- 8. I am physically active on a regular basis.



Yes No

If you answered **YES** to every statement, it means you are on the right track.

If you answered NO	
to one or more of	
the goals, decide	
which steps you are	
ready to take.	



MANAGING YOUR STRESS

Stress is a normal part of life, but it can get in the way of your ability or desire to make lifestyle changes. When you are under stress, your body increases the release of other hormones, such as cortisol, so that there is more sugar in the blood to convert to energy.

For those without diabetes, this stress-induced rise in blood sugar is followed by a release of insulin to make sure the rise in blood sugar is not too high or too long. However, if you have prediabetes, insulin may not always work to regulate the blood sugar levels, so the sugar builds up in the blood.

Tips to manage your stress

- Set aside 20 minutes every day to relax.
- Be physically active. Exercise releases endorphins, which are the body's natural pain and stress fighters.
- Share your feelings with friends, family, or a counselor.
- 🔨 Get enough sleep about 7 to 8 hours a day.
- Learn to say, "NO". Practice being assertive.
 - Ask for help. Be easy on yourself.

Did you know? The combination of high blood sugars and smoking dramatically increases the risk of damage to the blood vessels that feed the heart, brain, eyes, kidneys and peripheral nerves. If someone with diabetes smokes, they face 3 times the risk of a heart attack compared to a non-smoking person with diabetes.

If you smoke and would like help to quit, contact:

Smoker's Helpline Tel: 1-877-513-5333 Web: www.smokershelpline.ca



SETTING GOALS AND NEXT STEPS

There are many things you can do to prevent or delay developing type 2 diabetes. Take a moment to decide which changes you would like to make first. Try to make goals that are S.M.A.R.T. - Specific, Measurable, Attainable, Relevant, and Timely. Below is an example of S.M.A.R.T. goals:

To improve my health, I will	To achieve that, my S.M.A.R.T. goal is
Increase my physical activity level.	Example: I will walk 10 minutes every other day after work.
Improve my diet.	Example: I will drink water instead of juice on weekdays.
Reduce my stress.	Example: I will do 5 minutes of deep breathing on my lunch break every day.
Cut down on smoking.	Example: I will stop having a cigarette every morning to start.
Work on something else that is bothering me.	Example: I will reduce my screen time to 2 hours a day on weekdays.

Next Steps

Managing prediabetes is a lifelong journey and good support is essential. There is still a lot left to learn and it will take time.

At the Diabetes Education Centre, we can provide you with access to health professionals that are committed to supporting you with a safe and healthy plan to manage your condition.

Check off the information that you may be interested in learning about:
How can I make better food choices at the store?
 Book an appointment with a dietitian
How do I plan healthy meals?
 Book an appointment with a dietitian
How do I test my blood sugar?
 Book an appointment with a nurse
How can I conquer emotional eating and/or yo-yo dieting?
 Book an appointment with a dietitian
How can I manage my stress?
 Ask us for a referral to speak to a social worker
How can I find help to quit smoking?
Call Smoker's Helpline at 1 (877) 513-5333
Other:



USEFUL RESOURCES

For more information about prediabetes and help on managing it, visit the following resources:

Web sites

Calorie King www.calorieking.com

Diabetes Canada www.diabetes.ca

DiaTribe Learn www.diatribe.org

Dietitians of Canada www.dietitians.ca

Health Canada (Nutrition Resources) www.hc-sc.gc.ca/fn-an/nutrition/index-eng.php

Heart and Stroke Foundation of Canada www.heartandstroke.ca

Unlock Food www.unlockfood.ca

Apps

Cookspiration Access healthy recipes <u>www.cookspiration.com</u>

Fat Secret Write in a food journal www.fatsecret.com

Headspace Guided meditation and mindfulness www.headspace.com

MyFitnessPal All-in-one food, exercise, and calorie tracker <u>www.myfitnesspal.com</u>

Nourishly Tracking for meals, hunger and fullness, sleep, stress, mood, digestive symptoms, and activity <u>www.nourishly.com</u>

Patient and Family Resource Centre

The Patient and Family Resource Centre can help you find information on illness, diagnostic tests, drugs, community resources and more. You can also use a computer for email or internet searching.

The Patient and Family Resource Centre is located on Level 0. It is open from 8:00 a.m. to 4:00 p.m., Monday to Friday.

Tel: (416) 242-1000 ext. 81200

Email: PFRC@hrh.ca Web: https://www.hrh.ca/resources/patient-family-resource-centre/



Diabetes Education Centre

Humber River Health offers the following services through its Diabetes Education Centre:

- One-on-one sessions
- Group classes, such as,
 - Prediabetes class (virtual)
 - Type 2 diabetes class (virtual)
 - · Gestational diabetes class (virtual)
 - Grocery store tour (virtual)
 - Freestyle Libre class (in person)

We see adults who are:

- At risk for diabetes
- Diagnosed with prediabetes, type 1 diabetes, or type 2 diabetes
- Pregnant with diabetes
- Starting or changing insulin
- Managing diabetes by lifestyle alone or with medicine.

We accept self-referrals and faxed referrals from family doctors. If you have OHIP coverage, there is no cost for these services.

Meeting your language needs! At the Centre, we have staff who speak many languages and have access to over-the-phone interpretation in over 150 languages. We also provide some education handouts in other languages.

Contact us

The Diabetes Education Centre Humber River Health

Healthy Living Clinic (Level 1) 1235 Wilson Ave., Toronto, Ont. M3M 0B2

Tel: (416) 242-1000 ext. 23400 Fax: (416) 242-1058



Hours of operation:

Monday, Tuesday, Thursday, Friday: 8:00 a.m. to 4:00 p.m.

> Wednesday: 8:00 a.m. to 8:00 p.m.

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The information provided in this handout is for educational purposes. It does not replace the advice or specific instructions from your doctor, nurse, or other healthcare provider. Do not use this information to diagnose or treat. If you have questions about your own care, please speak with your healthcare provider.

English:This information is important! If you have
trouble reading this, ask someone to help you.Italian:Queste informazoni sono importanti! Se ha
difficoltà a leggere questo, chieda aiuto a qualcuno.Spanish:¡Esta información es importante! Si tiene
dificulta den leer esto, pida que alguien le ayude.