

Understanding and Managing Your Blood Pressure



This brochure provides you with a thorough overview of what blood press is and how to lower it to avoid developing hypertension, or containing to have hypertension. If you have diabetes, kidney disperse, or other have conditions, speak with your health care profess all to the informations right for you.

What is blood ssure

Blood pressure is the four v. I signs that indicate overall health our lood assures the force of blood against the list of lood so. High blood pressure means there is to hur pressure in your blood vessels which, over time, can hage of the results of the results

What causes high blood pressure?

Some risk factors for high blood pressure, like family history, age, and gender, can't be changed. Other factors are controllable, like smoking status, alcohol intake, exercise, and diet. Adopting healthy habits can reduce the level of blood pressure and the risk of developing hypertension.

What is hypertension?

Generally, the terms "hypertension" and "high blood pressure" are used interchangeably. Medically, hypertension is a specific condition in which blood pressure measures consistently higher than normal. Hypertension is often called "the silent killer" as it has no warning signs or symptoms, and can only be diagnosed through blood pressure measurement. It can affect anyone and is more common as we age. Once hypertension develops, it usually lasts for life. Hypertension affects 7.5 million Canadians, and is among the leading causes of death and disability worldwide.

Uncontrolled hypertension increases the risk of:

- stroke
- heart attack
- heart failure
- dementia

- kidney disease
- eye problem retire pathy,
- er tile 'sfu. on
- di etes

The good news hat hyperten and be prevented and controlled with him he sestyle strategies, and medication for a mona onthis if new id. The first step is to know and identification dessure.

low is blood pressure measured?

Blood pressure is measured on the upper arm using a device with an inflatable cuff. Blood pressure readings have two numbers, one on top of the other, as in 120/80 mmHg. The abbreviation "mmHg" represents millimeters of mercury, a standard measurement of pressure. The top number is your systolic blood pressure, and is the highest level of pressure reached as your heart beats. The bottom number is your diastolic blood pressure and is the lowest level of pressure as your heart relaxes between beats.

What do my numbers mean?

If your blood pressure is high, your health care professional will evaluate your readings based on the average of two or more blood pressure readings, at two or more visits. The evaluation should also include one reading taken outside of a doctor's office – for example, at a pharmacy kiosk, at home, or by wearing a device while you're going about your day.

What should my blood pressure be?

It's helpful to know the target when aiming to lower blood pressure. Ideally, blood pressure should be below 12000 m to maintain good health and reduce the risk of the disease, and other conditions.

However, the target depends on I ors conditions, and where reeing ren. Ith co itions, speak to your diabetes, kidney dir 7 e or c health care proposal bout y adings and the treatment member, only your health care professional that is right VC blood pressure should be. can l vou \ at yo tar

Systoli	Diastolic	Action
Below 120	Below 80	Maintain or adopt healthy behaviours.
120-139	80-89	Maintain or adopt healthy behaviours.
140-159	90-99	Adopt healthy behaviours. If goal isn't reached in a month, talk to your health care professional about taking medication(s).
160 and higher	Or 100 and higher	Adopt healthy behaviours. Talk to your health care professional about taking medication(s).

These blood pressure targets are for adults under the age of 80. Ranges may be lower for children and teenagers. Talk to your child's health care professional if you think your child has high blood pressure. Ranges are higher for people over the age of 80.

According to my	health care	professional	, my target
blood pressure i	s	_/	mmHg.

When is high blood pressure an emergency?

High blood pressure readings, for people who are otherwise healthy, are rarely an emergency unless accompanied by signs of stroke or heart attack. If your blood pressure is reading higher than normal, and there are no other symptoms, you should call your health care professional at your earliest opportunity an make an appointment. If, however, you also have sign of a stroke or heart attack, have someone drive you * ıcy department or call 911 if you're alone. With าe health conditions, higher blood pressure may qui. ₋₁ency ess. attention. Check with your health re L al to derstand what constitutes an emerging following

Sign of a roll

- Fac droop of
- rm. can, a raise both?
- **S**peec is it slurred or jumbled?
 - Time to call 911 right away.

Signs of a heart attack:

- Chest discomfort (pressure, squeezing, heaviness)
- Discomfort in other areas of the upper body
- Shortness of breath
- Sweating
- Nausea
- Light headedness

Adapted from www.heartandstroke.com





How often should I measure my blood pressure?

For most people with normal blood pressure and without other health conditions, a blood pressure measurement done properly once a year is often enough. If your blood pressure is high, your health care professional will advise you to book an appointment, or advise you to monitor your blood pressure at home, to accurately evaluate your blood press

When and the line monitor great on the nt?

health are possissimay want Qr or your bod pressure νou ι 2' home accurately confirm your average blood pressure, or to monitor ell your blood pressure is controlled n your own environment. If you have been diagnosed with hypertension, monitoring over time and keeping detailed records helps you and your health care professional to see how your blood pressure is responding to lifestyle changes or medications. Ask your health care professional for information on how to use a blood pressure log, and bring it with you to your appointments.

Download a blood pressure log at hypertension.ca

What is white coat hypertension or white coat syndrome?

Some people have higher blood pressure at the doctor's office, yet normal blood pressure otherwise, so they do not have hypertension at all. It is called white coat hypertension or syndrome, referring to the white lab coats worn by some health care professionals, and can be ruled out with home blood pressure monitoring.

What is masked hypertension?

Some people have normal blood pressure at the doc of soft experts higher blood pressure everywhere else. The control of the pressure log, with readings taken at home, uncover multiple hypertension.





Iv nating, blood pressure

Lany lifes — e strategies to prevent hypertension are the same as hose needed to control it. Blood pressure is highly responsive to calthy behaviours, and some people may be able to control their blood pressure without medication. Others cannot, through no fault of their own, and will require medication to lower their blood pressure to a safe range. It's important to note that medication never replaces healthy behaviours. Healthy behaviours and taking medication as directed go hand-in-hand to control blood pressure and reduce health risks.



Hypertension prevention to say

- Eat a healthy disch in . I vege bles, low-fat milk products, with a grain product of meat alternatives such as bear time as and seeds.
- Cose ds lower arated fats from meat and milk order. I rich an unsaturated fats like canola or olive oil.
- Limit or salt intake. Adults should consume less than 2000 mg of sodium daily. Choose unprocessed foods and those with a Nutrition Facts Label showing less than 5% Daily Value for sodium per serving.
- Maintain or reduce your weight to a target healthy range for you.
- Be physically active for 30 to 60 minutes most days of the week.
- Manage your stress levels and improve your coping skills.
- Limit your alcohol consumption to one to two standard drinks per day or less.
- Do not smoke and avoid places where others are smoking.

Hypertension control tips:

- Adopt all of the prevention tips, and keep at them. They're as important as medication.
- Adopt the DASH diet (see Healthy eating for healthy blood pressure below).
- Take medication as directed and report side effects to your health care professional.
- Do not stop taking your medication without first speaking to your health care professional — unless you are having an allergic reaction.
- Know what your target blood pressure should bε
- Monitor your blood pressure at home, using oper technique, to see your progress.
- Make sure you have the right = b d p sure of.
- Have your home blood ressult mon, the a yearly for accuracy.
- Keep a bloomressure log a ow it to your health care proful a propointment.

Halth path for healthy blood pressure

nealthy eating is among the most impactful lifestyle strategies ou can adopt to control your blood pressure. It does not mean you have to give up all of your favourite foods, miss out on social functions, or only eat at home. All it takes is a little planning to incorporate healthy eating habits into your routine. This section provides quick tips and information on eating at home and in restaurants, meal makeovers, and the DASH diet. Over time, making healthy choices will become easier (and tastier!) and your new habits will feel like second nature.



Quick tips to reduce your sodium take

Eating at home:

- Eat more homemade foods processed ingrectors.
- Limit the use salty condime like soy sauce, pickles, graving and means although the do not tast although ketchup.
 - Jse are paste, fresh tomatoes, or homemade stock stead of tomato sauce, powdered bouillon, or canned soup in recipes.
- Avoid adding salt when cooking and baking. Try using lemon or lime juice, herbs and spices to add flavour without adding sodium.
- Remember all types of salt are high in sodium. These salts include sea salt, fleur de sel, and other artisanal and flavoured salts (like onion, garlic, and BBQ seasonings, which can be high in sodium).
- Use low-salt alternatives that contain potassium-salts in moderation.



Eating take-out or at a restaur ::

- Check the nutrition in the nation of mentiten to help you choose foods with less seem, his information may be on a menu, post or paraphlet the restaurant, or on their te.
- Cose hes it is fresh, low-sodium ingredients such
- Ask for east and other seasonings to be added to your food.
- Ask for gravy, sauces, cheese, and salad dressings on the side, and use these items lightly.



Did you know?

As you choose lower sodium foods more often, you may develop a preference for foods with less salt. You may soon find that some processed or restaut foods taste too salty.

Nutrition Facts ! le

Do you know he to rest nutrition pels? While they can be very helpful ing to make healthy decisions, labels can also be menadir. A second may not be the entire package, for mperconduction are labels and choose the food with the lost a function of the person of the per

Menu makeover

Making small substitutions in the foods you eat can make a big difference when it comes to lowering or controlling your blood pressure. Check out the list of healthy substitutions on the next page – give them a try!

Breakfast menu makeover

Instead of	Sodium (mg)	Try	Sodium (mg)
Raisin bran muffin (large)	800	Multigrain bread: 2 slices	300
Butter – 2 pats	75	Peanut butter: 1 tbsp.	75
Flavoured coffee 16 oz	300	Coffee with 2 oz of 1% milk	32
Total	1175	Total	407

Lunch menu makeover

Instead of	Sodium (mg)	Try	S tu
White pita bread – small	332	Multigrain brea slices	
Pastrami deli meat: 3 oz	1225	Left eri t bet JZ	3/
Cheese: 1 slice	174	Leti and umb	0
Dill pickle	385	arr sticks	60
Oatmeal cookie: 3	150	fruit yogurt: 175g	123
	2258	Total	520

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Instead of	Sodium (mg)	Try	Sodium (mg)
Fast food chicken burger	990	Grilled chicken breast: 75 g	64
Medium French fries	540	Baked potato + 1 tbsp yogurt	43
Ketchup: 1 tbsp	110	Tomato slices: 6	11
Apple turnover	200	Canned peaches: 1 cup	5
Milkshake: 16 oz	350	1% milk: 8 oz	122
Total	2190	Total	245

Daily Total	5623	Daily Total	1172
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Examples of soci me te in requirant food:

Menu item	Sodium (mg)
Breakr eg and en	840
Chick Carrisala	570
n. pe _{l 1} 0. ⁻⁷ a	5960
Cauxe can seburger and medium fries	1910
rried chicken dinner	2280

The DASH Diet

The Dietary Approach to Stop Hypertension (DASH) diet is similar to Canada's Food Guide and has been shown to lower blood pressure. The DASH diet emphasizes eating plenty of vegetables and fruits, low-fat milk products, whole grains, lean meats, fish, dried beans and nuts. Following the DASH diet and limiting your sodium intake to less than 2000 mg each day is the best way to manage your blood pressure with food.

Food group	Daily serving	Examples and notes
Whole grains	6-8	Whole wheat breads, cereal, oatmeal, rice, pasta, quinoa, barley, low-fat, low-sodium crackers
Vegetables	4-5	Dark green and orange (fresh or frozen)
Fruits	4-5	Apricots, bananas, grapes, ora s, grapefruit, melons, peach be ma o
Low-fat or fat-free milk foods or alternatives	2-3	Skim, 1% nilk rtifie Deverage or yogurt, 8% (mix *) ch
Meats, poultr	υZ	Se ean me s. Choose fish like char, herring kerel, salmon, sardines and trout. Tring way fats. Broil, roast or boil and roid frying. Remove skin from poultry. When allow-fat options.
.vuts, seeds legumes	4-5 per week	Almonds, peanuts, walnuts, sunflower seeds, soybeans, lentils, chick peas, dried peas and beans, tofu
Fats and oils	2–3 tsp	Soft margarines, mayonnaise, vegetable oil (olive, corn, canola, or safflower), salad dressing
Sweets	Less than 5 tbsp per week	Sugar, jelly, jam, hard candy, ice cream, syrups, sorbet, chocolate



Medications for man, ing gh bond pressure

Once diagnose an hypertent nedication is often needed to bring him a power within a normal range. Don't see that as a fail of it's oft. It is not the medication you're prescribed, that is directed neduce your risk of health complications like trooping the disease.

There are many types of medication that lower blood pressure, mmonly referred to as 'anti-hypertensives'.

Your doctor may prescribe:

- diuretics (water pills)
- beta blockers
- angiotensin-converting enzyme inhibitors (ACE inhibitors)
- angiotensin receptor blockers (ARBs)
- calcium channel blockers (CCBs)



Why am I on two or . Te i edica onse

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Keep in mind that many drugs can take up to four weeks before owing full effects. Be patient. Your health care professional may change your medication to find a combination that is best for you. Keeping a blood pressure log helps in those decisions.



My blood pressure actions to de tont '. Can I stop

No, stopping treatment of the pressure returns to normal can be your blood pressure of the rise again to dangerous levels. It is a recation controlled your blood pressure, your hypothesis of the rest of your life.

inportant reminders:

- Take your medications as directed, and renew them as prescribed.
- Report side effects to your doctor.
- Do not stop taking your medication without first speaking to your doctor.
- Adopt all of the lifestyle strategies, and keep at them. They're as important to your blood pressure control as is medication.

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Note	s & Questions for my Doctor	

Vote:	& Questions for my Doctor	
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For more information, and other resources to help you prevent and control hypertension, visit **hypertension.ca**.

This brochure provides practical information based on Hypertension Canada's clinical practice guidelines for the prevention, diagnosis and treatment of hypertension.

Hypertension Canada's Resource Review Committee has reviewed the content of this brochure for accurately reliability, and helpfulness to the intended up to the content of the content

This brochure should not replace concultation with or care instructions provide by, health compressionals.

If you have the constant about your medical situation, such as the constant although the professional.

