

High Blood Pressure

Use this guide to help you talk to your doctor, pharmacist, or nurse about your blood pressure medicines. The guide lists all of the FDA-approved products now available to treat this condition. You will also find some general information to help you use your medicines wisely.

FDA Office of Women's Health <http://www.fda.gov/womens>

To Learn More:

FDA Heart Health Online

<http://www.fda.gov/hearthealth/treatments/medications.html>

Federal Relay Service

Phone: 1-800-877-8339

National Heart, Lung, and Blood Institute Health Information Center

<http://www.nhlbi.nih.gov/health/public/heart/index.htm#hbp>

Phone: 301-592-8573

TTY/TDD: 240-629-3255

This guide should not be used in place of talking to your doctor or reading the label on your medicine bottle. The drug and risk information in this guide may change. Check <http://www.accessdata.fda.gov/scripts/cder/drugsatfda/> for the latest facts on each product listed in this guide.



High blood pressure is a serious illness.

High blood pressure is often called a “silent killer” because many people have it but do not know it. Some people do not feel sick at first. **Over time, people who do not get treated for high blood pressure can get very sick or even die.**

High blood pressure can cause:

- Kidney failure
- Stroke
- Blindness and
- Heart attacks

There is good news.

There are life-saving medicines people can take every day to help control their high blood pressure. People who eat healthy foods, exercise, and take their medicines every day can control their blood pressure.

Take your blood pressure medicines.

It is important to take your blood pressure medicines every day. **Take your medicines even when your blood pressure comes down... even when you do not feel bad.** Do not stop taking your medicine until your doctor says that it is OK.

Most people who take high blood pressure medicines do not get any side effects. Like all medicines, high blood pressure medicines can sometimes cause side effects. Some people have common problems like headaches, dizziness, or an upset stomach. These problems are small compared to what could happen if you do not take your medicine.

Understanding your blood pressure - What do the numbers mean?

When you have your blood pressure taken, you are told 2 numbers like 120/80. Both numbers are important.

The first number is your pressure when your heart beats (**systolic pressure**).
The second number is your pressure when your heart relaxes (**diastolic pressure**).



www.fda.gov/womens

Questions to Ask Your Doctor

- What drugs am I taking?

- What are the side effects?

- What other prescription drugs should I avoid while taking my medicines?

- What foods, herbs, or over-the-counter medicines should I avoid?

- When should I take each drug? How many times a day do I take each drug?

- Can I take my medicines if I am pregnant or nursing?

High Blood Pressure Medicines

Use this guide to help you talk to your doctor, pharmacist, or nurse about your blood pressure medicines. Ask your health care provider about the benefits and risks of taking your medicine. This guide only talks about some of the risks.

Tell your doctor about any problems you are having. Your doctor will help you find the medicine that is best for you.

Also, tell your doctor if you are pregnant, nursing, or planning to get pregnant. Ask your doctor to tell you about the risks of taking blood pressure medicines when you are pregnant.

The different kinds of blood pressure medicines are listed on the next few pages. The drugs are listed in groups. The brand names and generic names are given for the drugs in each group.

Find your drug. Then read some basic information about your kind of drug.

Types of High Blood Pressure Medicines

- ACE Inhibitors
- Beta Blockers
- Calcium Channel Blockers
- Peripherally Acting Alpha-Adrenergic Blockers
- Angiotension II Antagonists
- Vasodilators
- Centrally-Acting Alpha Adrenergics
- Diuretics (sometimes called “water pills”)

Angiotension-Converting Enzyme (ACE) Inhibitors

Brand Name	Generic Name
Aceon	Perindopril
Accupril	Quinapril
Altace	Ramipril
Capoten	Captopril
Lotensin	Benazepril
Mavik	Trandolapril
Monopril	Fosinopril
Prinivil	Lisinopril
Univasc	Moexipril
Vasotec	Enalapril
Vasotec IV	Enalaprilat
Zestril	Lisinopril

Diuretics: What You Should Know

Warnings

- Tell your doctor if you are breastfeeding. These medicines may pass into your breast milk.
- Do not use these medicines if you have problems making urine.
- People with kidney or liver problems, pregnant women, and the elderly should talk to their doctor about the risks of using diuretics.

Common Side Effects

- Dizziness
- Frequent Urination
- Headache
- Feeling Thirsty
- Muscle Cramps
- Upset Stomach

Warning Signs

Call your doctor if you have any of these signs:

- Severe Rash
- Problems Breathing or Swallowing
- Hyperuricemia (Gout)

**For up-to-date information about the risks and side effects for each drug
Check <http://www.accessdata.fda.gov/scripts/cder/drugsatfda/>**

Diuretics (sometimes called “water pills”)

Brand Name	Generic Name
Aldactazide Aldactone	Spirololactone
Demadex	Torseamide
Diuril	Chlorothiazide
Enduron	Methyclothiazide
Esidrix Microzide Oretic	Hydrochlorothiazide
Lasix	Furosemide
Lozol	Indapamide
Saluron	Hydroflumethiazide
Thalitone	Chlorthalidone
Zaroxolyn	Metolazone

ACE Inhibitors: What You Should Know

Warnings

- Women who are pregnant or nursing should talk to their doctor before they start using these drugs.
- People who have kidney or liver problems, diabetes, or heart problems should talk to their doctor about the risks of using ACE drugs.
- People taking diuretics (water pills) should talk to their doctor about the risks of using ACE drugs.

Common Side Effects

- Cough
- Dizziness
- Feeling Tired
- Headache
- Problems Sleeping
- Fast Heart Beat

Warning Signs

Call your doctor if you have any of these signs:

- Chest Pain
- Problems Breathing or Swallowing
- Swelling in the Face, Eyes, Lips, Tongue, or Legs

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Beta Blockers

Brand Name	Generic Name
	Timolol
Coreg	Carvedilol
Corgard	Nadolol
Inderal	Propranolol
Inderal LA	Propranolol
Kerlone	Betaxolol
Levatol	Penbutolol
Lopressor	Metoprolol
Sectral	Acebutolol
Tenormin	Atenolol
Toprol XL	Metoprolol
Trandate	Labetalol
Visken	Pindolol
Zebeta	Bisoprolol

Combination Drugs

Brand Name	Generic Name
Lexxel	Enalapril and Felodipine
Lotrel	Benazepril and Amlodipine
Tarka	Verapamil and Trandolapril

Combination Drugs: What You Should Know

- These medicines are made up of 2 different kinds of blood pressure medicines.
- Look for the **generic** names of these drugs on one of the other lists in this guide.

Warnings and Side Effects

- The warnings and side effects for these drugs will be the same as those listed earlier for both generic drugs.

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Centrally-Acting Alpha Adrenergics

Brand Name	Generic Name
Catapres	Clonidine
Tenex	Guanfacine

Centrally-Acting Alpha Adrenergics: What You Should Know

Warnings

- Women who are pregnant or nursing should talk to their doctor before they start using these drugs.
- People with heart disease, recent heart attack, or kidney disease should talk to their doctor before using these drugs.
- Drinking alcohol may make side effects worse.

Common Side Effects

- Dizziness
- Dry Mouth
- Upset Stomach
- Feeling Drowsy or Tired

Warning Signs

Call your doctor if you have any of these signs:

- Fainting
- Slow or Irregular Heartbeat
- Fever
- Swollen Ankles or Feet

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Beta-Blockers: What You Should Know

Warnings

- Do not use these drugs if you have slow heart rate, heart block, or shock.
- Women who are pregnant or nursing should talk to their doctor before they start using these drugs.
- The elderly and people who have kidney or liver problems, asthma, diabetes, or overactive thyroid should talk to their doctor about the specific risks of using any of these Beta-Blockers.

Common Side Effects

- Feeling Tired
- Upset Stomach
- Headache
- Dizziness
- Constipation/Diarrhea
- Feeling Lightheaded

Warning Signs

Call your doctor if you have any of these signs:

- Chest Pain
- Problems Breathing
- Slow or Irregular Heartbeat
- Swelling in the Hands, Feet, or Legs

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Calcium Channel Blockers

Brand Name	Generic Name
Norvasc	Amlodipine
Cardizem	Diltiazem
Dilacor XR	Diltiazem
Tiazac	Diltiazem
Plendil	Felodipine
DynaCirc CR	Isradipine
Cardene	Nicardipine
Adalat CC	Nifedipine
Procardia	Nifedipine
Nimotop	Nimodipine
Sular	Nisoldipine
Calan	Verapamil
Covera HS	Verapamil
Isoptin	Verapamil
Verelan	Verapamil

Angiotension II Antagonists: What You Should Know

Warnings

- Do not use these drugs if you are pregnant or nursing.
- People who have kidney disease, liver disease, low blood volume, or low salt in their blood should talk to their doctor about the risks of taking these drugs.
- People taking diuretics (water pills) should talk to their doctor about the risks of taking these drugs.

Common Side Effects

- Sore Throat
- Sinus Problems
- Heartburn
- Dizziness
- Diarrhea
- Back Pain

Warning Signs

Call your doctor if you have any of these signs:

- Problems Breathing
- Fainting
- Swelling of the Face, Throat, Lips, Eyes, Hands, Feet, Ankles, or Legs

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Angiotension II Antagonists

Brand Name	Generic Name
Atacand	Candesartan
Avapro	Irbesartan
Benicar	Olmesartan
Cozaar	Losartan
Diovan	Valsartan
Micardis	Telmisartan
Teveten	Eprosartan

Calcium Channel Blockers: What You Should Know

Warnings

- Do not use Calcium Channel Blockers if you have a heart condition or if you are taking nitrates, quinidine, or fentanyl.
- People who have liver or kidney problems should talk to their doctor about the specific risks of using any Calcium Channel Blocker.
- Women who are pregnant or nursing should talk to their doctor before they start using these drugs.

Common Side Effects

- Feeling Drowsy
- Headache
- Upset Stomach
- Ankle Swelling
- Feeling Flushed (Warm)

Warning Signs

Call your doctor if you have any of these signs:

- Chest Pain
- Serious Rashes
- Swelling of the Face, Eyes, Lips, Tongue, Arms, or Legs
- Fainting
- Irregular Heartbeat

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Peripherally Acting Alpha-Adrenergic Blockers

Brand Name	Generic Name
Cardura	Doxazosin
Dibenzyline	Phenoxybenzamine
Minipress	Prazosin
Hytrin	Terazosin

What You Should Know

Warnings

- The elderly and people who have liver problems should talk to their doctor about the risks of using these drugs.

Common Side Effects

- Dizziness
- Feeling Tired
- Feeling Lightheaded
- Vision Problems
- Swelling of the Hands, Feet, Ankles, or Legs
- Decreased Sexual Ability

Warning Signs

Call your doctor if you have any of these signs:

- Chest Pain
- Irregular Heartbeat
- Painful Erection in Men

For up-to-date information about the risks and side effects for each drug
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Vasodilators

Brand Name	Generic Name
	Hydralazine
Loniten	Minoxidil

Vasodilators: What You Should Know

Warnings

- Do not use these drugs if you are also taking bisulfates.
- Women who are pregnant or nursing should talk to their doctor before they start using these drugs.
- People who have diabetes, heart disease, or uremia (build up of waste in your blood) should talk to their doctor about the risks of using any of these drugs.
- People taking diuretics (water pills), insulin, phenytoin, corticosteroids, estrogen, warfarin, or progesterone should talk to their doctor about the risks of using any of these drugs.

Common Side Effects

- Headache
- Upset Stomach
- Dizziness
- Growth in Body Hair

Warning Signs

Call your doctor if you have any of these signs:

- Fever
- Fast Heartbeat
- Fainting
- Chest Pain
- Problems Breathing
- Sudden Weight Gain

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