



# What is High Blood Pressure?

Blood pressure is the force of blood pushing against blood vessel walls. It's measured in millimeters of mercury (mm Hg).

High blood pressure (HBP) means the pressure in your arteries is higher than it should be. Another name for high blood pressure is hypertension.

Blood pressure is written as two numbers, such as 112/78 mm Hg. The top, or larger, number (called systolic pressure) is the pressure when the heart beats. The bottom, or smaller, number (called diastolic pressure) is the pressure when the heart rests between beats.

**Normal blood pressure** is below 120/80 mm Hg. If you're an adult and your systolic pressure is 120 to 129, and your diastolic pressure is less than 80, you have **elevated blood pressure**. **High blood pressure** is a systolic pressure of 130 or higher, or a diastolic pressure of 80 or higher, that stays high over time.

High blood pressure usually has no signs or symptoms. That's why it is so dangerous. But it can be managed.

Nearly half of the American population over age 20, has HBP, and many don't even know it. Not treating high blood pressure is dangerous. High blood pressure increases the risk of heart attack and stroke.

Make sure you get your blood pressure checked regularly and treat it the way your health care professional advises.

| BLOOD PRESSURE CATEGORY                               | SYSTOLIC mm Hg (upper number) |        | DIASTOLIC mm Hg (lower number) |
|---|-------------------------------|--------|--------------------------------|
| NORMAL  | LESS THAN 120                 | and    | LESS THAN 80                   |
| ELEVATED  | 120-129                       | and    | LESS THAN 80                   |
| HIGH BLOOD PRESSURE (HYPERTENSION) STAGE 1            | 130-139                       | or     | 80-89                          |
| HIGH BLOOD PRESSURE (HYPERTENSION) STAGE 2            | 140 OR HIGHER                 | or     | 90 OR HIGHER                   |
| HYPERTENSIVE CRISIS (consult your doctor immediately) | HIGHER THAN 180               | and/or | HIGHER THAN 120                |

## Am I at higher risk of developing HBP?

There are risk factors that increase your chances of developing HBP. Some you can control, and some you can't.

### Those that can be controlled are:

- Cigarette smoking and exposure to secondhand smoke
- Diabetes
- Being obese or overweight
- High cholesterol
- Unhealthy diet (high in sodium, low in potassium, and drinking too much alcohol)
- Physical inactivity

### Factors that can't be modified or are difficult to control are:

- Family history of high blood pressure
- Race/ethnicity
- Increasing age
- Gender (males)
- Chronic kidney disease
- Obstructive sleep apnea

Socioeconomic status and psychosocial stress are also risk factors for HBP. These can affect access to basic living needs, medication, health care professionals, and the ability to adopt lifestyle changes.



## What is High Blood Pressure?

### How can I tell I have it?

The only way to know if you have high blood pressure is to get it checked regularly.

For proper diagnosis of HBP, your health care professional will use an average based on two or more readings obtained on two or more visits.



### What can I do about HBP?

- Don't smoke and avoid secondhand smoke.
- Reach and maintain a healthy weight.
- Eat a healthy diet that is low in saturated and trans fats and rich in fruits, vegetables, whole grains and low-fat dairy products. Aim to consume less than 1,500 mg/day of sodium (salt). Even reducing your daily intake by 1,000 mg can help.
- Eat foods rich in potassium. Aim for 3,500 – 5,000 mg of dietary potassium per day.
- Limit alcohol to no more than one drink per day if you're a woman or two drinks a day if you're a man.
- Be more physically active. Aim for 150 minutes of moderate-intensity physical activity or at least 75 minutes of vigorous physical activity per week, or a combination of both, spread throughout the week. Add muscle-strengthening activity at least two days per week for more health benefits.
- Take medicine the way your health care professional tells you.
- Know what your blood pressure should be and work to keep it at that level.

## HOW CAN I LEARN MORE?

- 1 Call 1-800-AHA-USA1 (1-800-242-8721), or visit [heart.org](http://heart.org) to learn more about heart disease and stroke.
- 2 Sign up for our monthly *Heart Insight* e-news for heart patients and their families at [HeartInsight.org](http://HeartInsight.org).
- 3 Connect with others sharing similar journeys with heart disease and stroke by joining our Support Network at [heart.org/SupportNetwork](http://heart.org/SupportNetwork).

### Do you have questions for your doctor or nurse?

Take a few minutes to write down your questions for the next time you see your health care professional.

For example:

**Will I always have to take medicine?**

**What should my blood pressure be?**

## MY QUESTIONS:

We have many other fact sheets to help you make healthier choices to reduce your risk for heart disease, manage your condition or care for a loved one. Visit [heart.org/AnswersByHeart](http://heart.org/AnswersByHeart) to learn more.