

# Five things to know about blood pressure before it's a problem

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Blood pressure is more than just numbers your doctor writes on a chart.

To explain it, Dr. Shawna Nesbitt, medical director of the Hypertension Clinic at Parkland Hospital in Dallas, talks about plumbing.

Think of [blood vessels](#) as pipes in a house, she said. Those pipes feed [blood](#) to the whole body. If the pressure in them gets too high, it can damage the pipes or whatever they connect to—such as the heart, brain or kidneys.

"Controlling it doesn't just matter to one of those organs. It matters to all of those organs," said Nesbitt, also a professor of medicine and associate dean of student diversity and inclusion at UT Southwestern Medical Center.

In other words—high [blood pressure](#), or hypertension, is a big deal. Here are five things you might not know about it.

## **You should start thinking about it before you have it.**

Blood pressure tends to increase as people age. But that doesn't mean you can ignore it until it's a problem, said Dr. Raymond Townsend, director of the hypertension program at the Hospital of the University of Pennsylvania in Philadelphia.

It rarely has symptoms. "So unless you check it, you don't know," he said.

It could be wreaking invisible havoc, for example, by aging the circulatory system, Townsend said. "You may be 60 years old, but if you've had untreated [high blood pressure](#) for a while, your blood vessels may be 80."

High blood pressure affects 121.5 million U.S. adults, American Heart Association statistics show. It is defined as a systolic pressure (the top

number) of 130 or higher or a diastolic pressure (the bottom number) of 80 or higher that stays high over time.

People who are Black; have a family history of high blood pressure, [heart disease](#), stroke or kidney disease; and women who had blood pressure issues during pregnancy should pay extra attention, Nesbitt said.

The good news, Townsend said, is if you spot high blood pressure before it does damage, "you're in the primary prevention game. And that's where you want to be. Because we have great evidence to show that managing your blood pressure will keep your [heart](#), brain and kidneys working a whole lot longer."

## **Managing it protects your brain.**

If high blood pressure damages your brain's blood vessels, bad things can happen. A stroke is one. But the risk goes beyond strokes.

Neurologists are finding that dementia is a vascular disease, which means high blood pressure can cause a little damage in lots of small areas of the brain, Nesbitt said. "And because you've got a little damage in a lot of places, then you have the sum total of all of those areas that just don't function so well anymore."

Townsend said studies suggest people whose blood pressure is better controlled tend to score better on tests of cognitive function.

Lowering blood pressure isn't a cure-all for brain health, he said, but prevention is key. "The goal is to preserve it at its high level when you're 30 or 40 years of age."

## **Black Americans need to pay special attention.**

Hypertension is far more common in Black adults in the U.S. than in adults of other races and ethnicities. Yet it's less of a problem for people of African heritage living in other countries. "Which makes you question why it is so much more prevalent in America than in other places," Nesbitt said.

Systemic problems, such as the fact that Black Americans are more likely to lack access to [healthy food](#) or safe places to exercise, are significant factors. So is the stress of dealing with racism.

"What we are looking at is a manifestation of the living conditions of Black Americans," she said. "And because we have rampant examples of differences in how we live, and how we experience the world every day, those things have a toll on our physical health. And blood pressure's one of the first things that we see that makes that difference very evident."

## **Watching sodium? Remember potassium, too.**

Sodium has long been singled out for its relationship to high blood pressure. But many experts these days emphasize the importance of the sodium-potassium balance, Townsend said.

Potassium helps regulate blood flow. And if you're eating a lot of processed foods, you're probably getting too much of the former and not enough of the latter, Nesbitt said.

The DASH or Mediterranean diets offer a healthy balance of nutrients. Potassium-rich foods include bananas, sweet potatoes and low-fat dairy products.

## **Little changes can make a big difference.**

For decades, Townsend said, researchers have known the most important

predictor of blood pressure when you're older is excess weight.

But you don't have to go to extremes to help blood pressure, he said.

"You may be 40 or 50 pounds overweight, but if you lose 10 or 15, not only are you headed it in the right direction, often you begin to see some benefit."

There isn't a quick fix for high blood [pressure](#), Nesbitt said. But you don't have to fix everything at once.

"I always talk to patients about the changes that you can make that you will commit to," she said. Someone having four alcoholic beverages a day might cut back to one or two for a sustained period. Once they develop that habit, they can attack the next.

"It is important that we keep focus on that we're not doing this for vanity's sake," she said. "We're doing this for your healthy lifestyle and longevity. This is for the long run."

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