

# **AHA news: Director John Singleton's fatal stroke spotlights black Americans' hypertension risk**

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Director John Singleton in 2009. Photo: Frazer Harrison, Getty Images

Filmmaker John Singleton was hailed for his ability to portray black Americans' lives on screen. His death drew attention to one of the biggest threats posed to those lives.

Singleton, who was nominated for an Oscar for directing "Boyz N the Hood," suffered a [stroke](#) April 17 and died Monday after being taken off life support. He was 51. In a statement, his family said he had "quietly struggled with hypertension."

Hypertension, or [high blood pressure](#), is often called the "silent killer" because it has no obvious symptoms. It's the top risk factor for stroke—the No. 5 cause of death in the U.S. and an especially dangerous problem for [black people](#).

Black men are twice as likely to have a stroke as their white adult counterparts and are nearly 60 percent more likely to die from a stroke than their white peers, according to the Centers for Disease Control and Prevention. Beyond being a leading cause of death, stroke is a leading cause of adult disability.

"And the part that is not mentioned as much is that it's a leading cause of cognitive dysfunction as well. And depression," said Dr. Bruce Ovbiagele, professor of neurology and associate dean at the University of California, San Francisco.

Although stroke mortality has fallen by 80 percent over the past 60 years, there has been no significant decrease in the disparity between white and black people.

High blood pressure might help explain some of that gap. The prevalence of high blood pressure among African Americans is among the highest in the world. More than half of black adults in the U.S. have high blood pressure.

Other [risk factors](#) for stroke include diabetes and obesity, which affect African Americans at higher rates, as well as smoking, which researchers say doubles the risk of stroke in African Americans. Sickle cell anemia

is also a factor; it's the most common genetic disorder among African Americans.

A 2017 report in the journal *Circulation* spelled out many additional possible influences, ranging from cultural attitudes toward exercise; the unhealthy parts of the traditional Southern diet, which is high in added fats, sugars and sodium; and the health issues that come from stress and perceived discrimination.

Black Americans are also more likely to live in poverty, statistics show. And that's another factor, said Dr. Clyde Yancy, a professor of medicine and chief of cardiology at Northwestern University.

"In the diet that people eat, which is all they can afford—one especially represented by fast foods and high sodium intake—the risk of high blood pressure is exaggerated and the onset is much earlier in life," Yancy said.

But scientists do not fully understand the risk gap, Ovbiagele said. Up to 30 percent of the reasons behind the increased risk for black Americans is a mystery, he estimated.

"Is it genetic? Is it an interaction between the genes and the environment?" Some research suggests lingering psychosocial effects from slavery could be factors, he said.

"There's perceived discrimination, there's the salt hypothesis, there's genetics, there's so many things," he said, adding that many of them have not been explored thoroughly.

But that should not deter people from focusing on the many things they can control, Ovbiagele said.

"We know that stroke is eminently preventable," he said. "So while we don't have the entire truth, we have some of the truth, and we know that truth can be addressed."

Yancy echoed that point emphatically.

"I want this message to be explicitly clear: Check your blood pressure. That's a hard stop. That's the takeaway; and especially if you're an African American man, check it today."

It's urgent because high blood pressure is so pervasive and so deadly, Yancy said.

"Don't think that these events aren't happening every day, in every city and every state across the country," he said. "Except it's happening quietly—with families losing fathers and grandfathers and uncles and brothers and husbands on a daily basis."

Yancy knows this all too well.

"I lost all nine of my uncles, aunts and father to heart disease," he said. "And not a single one had any condition other than high [blood pressure](#) to drive their early demise.

"It's just unacceptable. We can live life a different way."

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