



American Stroke Association.  
A division of the American Heart Association.

# The known and unknown of stroke

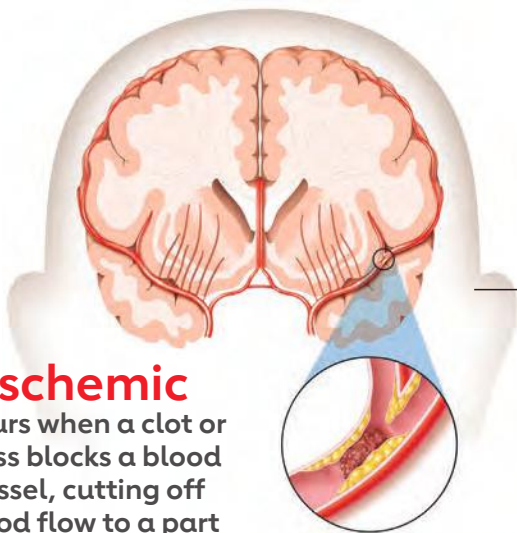
KNOWN

Each year **795,000** people in the U.S. have a stroke.<sup>2</sup>

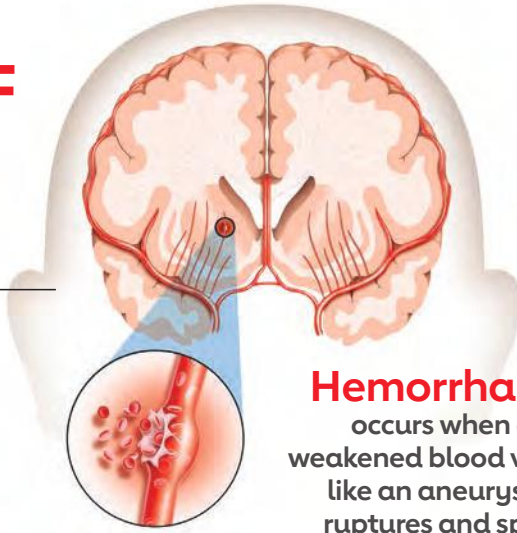
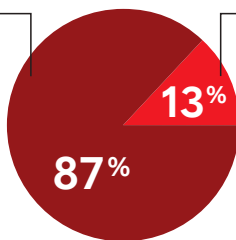


**STROKE** is an interruption of blood flow to the brain. Without oxygen-rich blood, brain cells die.

## TYPES OF STROKE



**Ischemic** occurs when a clot or mass blocks a blood vessel, cutting off blood flow to a part of the brain.<sup>1,2</sup>



**Hemorrhagic** occurs when a weakened blood vessel, like an aneurysm, ruptures and spills blood into the brain.<sup>1,2</sup>



**ABOUT 1/4** of ischemic strokes are classified as **CRYPTOGENIC**, meaning the **CAUSE IS UNKNOWN**.<sup>3</sup>

## FINDING THE CAUSE

of a stroke is important because it helps reduce the risk of another stroke.



### POSSIBLE HIDDEN CAUSES



**Irregular heartbeat (Atrial Fibrillation)**

AFib patients are at a **5X** greater risk for stroke.<sup>1</sup>

**Heart structure problem (such as Patent Foramen Ovale)**

**Hardening of the arteries (Large Artery Atherosclerosis)**

**Blood clotting disorder (Thrombophilia)**

UNKNOWN

FIND THE FACTS at [Stroke.org/CS](http://Stroke.org/CS)

**Medtronic**

Supports the American Stroke Association's Cryptogenic Stroke Initiative.

1 - Benjamin EJ, et al. Circulation. 2019;139:e56-e528.

2 - Benjamin EJ, Blaha MJ, Chiuve SE, et al. on behalf of the AHA Statistics Committee and SS Subcommittee. Heart disease and stroke statistics—2017 update: a report from the AHA. Circulation. 2017;135:e229-e445.

3 - Saver, JL. Cryptogenic Stroke. N Engl J Med 2016;374:2065-74.