KNOW THE SIGNS. ACT IN TIME.

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A stroke, sometimes called a “brain attack,” occurs when blood flow to the brain is interrupted. When a stroke occurs, brain cells in the immediate area begin to die because they stop getting the oxygen and nutrients they need to function.

What causes a stroke?
There are two major kinds of stroke. The first, called an ischemic stroke, is caused by a blood clot that blocks or plugs a blood vessel or artery in the brain. About 80 percent of all strokes are ischemic. The second, known as a hemorrhagic stroke, is caused by a blood vessel in the brain that breaks and bleeds into the brain. About 20 percent of strokes are hemorrhagic.

What disabilities can result from a stroke?
Although stroke is a disease of the brain, it can affect the entire body. The effects of a stroke range from mild to severe and can include paralysis, problems with thinking, problems with speaking, and emotional problems. Patients may also experience pain or numbness after a stroke.
Because stroke injures the brain, you may not realize that you are having a stroke. To a bystander, someone having a stroke may just look unaware or confused. Stroke victims have the best chance if someone around them recognizes the symptoms and acts quickly.

The symptoms of stroke are distinct because they happen quickly:
- Sudden numbness or weakness of the face, arm, or leg (especially on one side of the body)
- Sudden confusion, trouble speaking or understanding speech
- Sudden trouble seeing in one or both eyes
- Sudden trouble walking, dizziness, loss of balance or coordination
- Sudden severe headache with no known cause

What should a bystander do?
If you believe someone is having a stroke – if he or she suddenly loses the ability to speak, or move an arm or leg on one side, or experiences facial paralysis on one side – call 911 immediately.
WHY IS THERE A NEED TO ACT FAST?

Ischemic strokes, the most common type of strokes, can be treated with a drug called t-PA that dissolves blood clots obstructing blood flow to the brain. The window of opportunity to start treating stroke patients is three hours, but to be evaluated and receive treatment, patients need to get to the hospital within 60 minutes.

What is the benefit of treatment?
A five-year study by the National Institute of Neurological Disorders and Stroke (NINDS) found that some stroke patients who received t-PA within three hours of the start of stroke symptoms were at least 30 percent more likely to recover with little or no disability after three months.

How can I reduce my risk of stroke?
The best treatment for stroke is prevention. Several factors increase your risk of having a stroke:

- High blood pressure
- Heart disease
- Smoking
- Diabetes
- High cholesterol
- Physical inactivity/obesity

If you smoke – quit. If you have high blood pressure, heart disease, diabetes, or high cholesterol, get them under control. If you are overweight, start a healthy diet and exercise regularly.