

# CARDIAC ARREST VS. HEART ATTACK

People often use these terms interchangeably, but they are not the same.

## WHAT IS CARDIAC ARREST?

**CARDIAC ARREST** occurs when the heart malfunctions and stops beating unexpectedly.

Cardiac arrest is triggered by an electrical malfunction in the heart that causes an irregular heartbeat (arrhythmia). With its pumping action disrupted, the heart cannot pump blood to the brain, lungs and other organs.

### WHAT HAPPENS

Seconds later, a person becomes unresponsive, is not breathing or is only gasping. **Death occurs quickly if the person does not receive immediate CPR.**

### WHAT TO DO



A person's chance of surviving cardiac arrest can be doubled or tripled if CPR is provided immediately. First, call your local emergency number and start CPR right away. Then, if an Automated External Defibrillator (AED) is available, use it as soon as possible. If two people are available to help, one should begin CPR immediately while the other calls your local emergency number and finds an AED—there is a 10% drop in survival each minute, which is why CPR is so important. EMS staff are also trained to revive someone whose heart has stopped.

**CARDIAC ARREST is a LEADING CAUSE OF DEATH.**

Cardiac arrest affects thousands of people annually with about 75% of them occurring in the home.

For more information on American Heart Association CPR training classes in your area go to [heart.org/cpr](https://heart.org/cpr).

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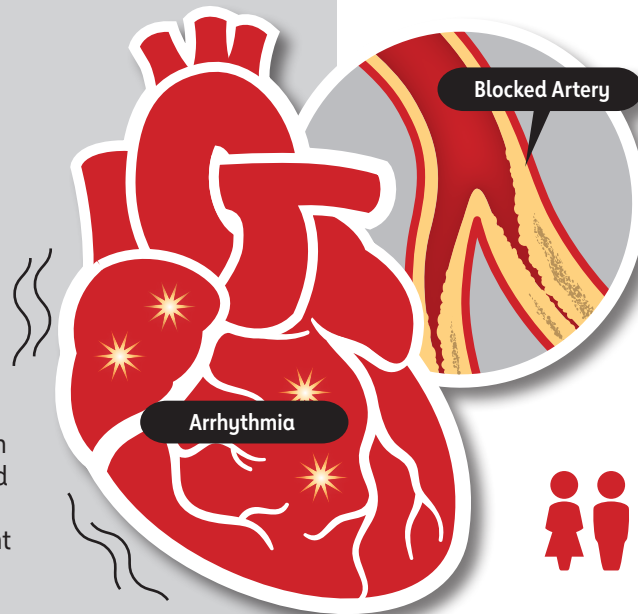
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**Cardiac arrest is an "ELECTRICAL" problem.**



**A heart attack is a "CIRCULATION" problem.**



### WHAT IS THE LINK?



Most heart attacks do not lead to cardiac arrest. But when cardiac arrest occurs, heart attack is a common cause. Other conditions may also disrupt the heart's rhythm and lead to cardiac arrest.



**Fast action can save lives.**

## WHAT IS A HEART ATTACK?

**A HEART ATTACK** occurs when blood flow to the heart is blocked.

A blocked artery prevents oxygen-rich blood from reaching a section of the heart. If the blocked artery is not reopened quickly, the part of the heart normally nourished by that artery begins to die.

### WHAT HAPPENS

Symptoms of a heart attack may be immediate and may include intense discomfort in the chest or other areas of the upper body, shortness of breath, cold sweats, and/or nausea/vomiting. More often, though, symptoms start slowly and persist for hours, days or weeks before a heart attack. Unlike with cardiac arrest, the heart usually does not stop beating during a heart attack. **The longer the person goes without treatment, the greater the damage.**



**The heart attack symptoms in women can be different than men (shortness of breath, nausea/vomiting, and back or jaw pain).**

### WHAT TO DO



Even if you're not sure it's a heart attack, call your local emergency number. Every minute matters! It's best to call your local emergency number to get to the emergency room right away. Emergency medical services (EMS) staff can begin treatment when they arrive. Patients with chest pain who arrive by ambulance usually receive faster treatment at the hospital, too.



**American Heart Association.**