



Oklahoma State Department of Health
Creating a State of Health



Athlete/Parent/Guardian Sudden Cardiac Arrest Symptoms and Warning Signs Information Sheet and Acknowledgement of Receipt and Review Form

What is sudden cardiac arrest?

Sudden cardiac arrest (SCA) is when the heart stops beating, suddenly and unexpectedly. When this happens, blood stops flowing to the brain and other vital organs. SCA doesn't just happen to adults; it takes the lives of students, too. However, the causes of sudden cardiac arrest in students and adults can be different. A student's SCA will likely result from an inherited condition, while an adult's SCA may be caused by either inherited or lifestyle issues.

SCA is NOT a heart attack. A heart attack may cause SCA, but they are not the same. A heart attack is caused by a blockage that stops the flow of blood to the heart. SCA is a malfunction in the heart's electrical system, causing the heart to suddenly stop beating.

How common is sudden cardiac arrest in the United States?

While studies have shown sudden cardiac death among young athletes is very uncommon, SCA is the #1 cause of death for student athletes.

Are there warning signs?

Although SCA happens unexpectedly, some people may have signs or symptoms, such as:

- fainting or seizures during exercise;
- unexplained shortness of breath;
- a racing heart;
- dizziness;
- chest pains; or
- extreme fatigue.

These symptoms can be unclear in athletes, since people often confuse these warning signs with physical exhaustion. SCA can be prevented if the underlying causes can be diagnosed and treated.

What are the risks of practicing or playing after experiencing these symptoms?

There are risks associated with continuing to practice or play after experiencing these symptoms. When the heart stops, so does the blood that flows to the brain and other vital organs. Death or permanent brain damage can occur in just a few minutes. Most people who experience SCA die from it.

Can you screen for cardiac abnormalities?

The annual sports preparticipation physical examination includes a personal and family health history to screen for symptoms or warning signs of SCA.

An electrocardiogram (ECG) and echocardiogram (ECHO) are noninvasive and painless options. However, these procedures may be expensive and are not currently advised by the American Academy of Pediatrics and the American College of Cardiology unless the preparticipation examination reveals an indication for these tests.

Senate Bill 239 – The Chase Morris Sudden Cardiac Arrest Prevention Act (the Act)

The Act is intended to address any sport sanctioned and offered in grades 7 through 12 by a school district in order to keep student-athletes safe while practicing or playing. The requirements of the act are:

- All student-athletes and their parents or guardians must read and sign this form. It must be returned to the school before participation in any athletic activity. A new form must be signed and returned each school year.
- Schools may also hold informational meetings. The meetings can occur before each athletic season. Meetings may include student-athletes, parents, coaches and school officials. Schools may also want to include doctors, pediatric cardiologists and athletic trainers.
- In order to coach an athletic activity, coaches are required once each year to complete an approved SCA training course offered by a provider approved by the Oklahoma State Department of Health.

Removal from play/return to play

- Any student who collapses or faints without a concurrent head injury while participating in an athletic activity shall be removed by the coach from participation at that time.
- Any student who is removed or prevented from participating in an athletic activity shall not return to participation until the student is evaluated and cleared for return to participation in writing by a health care provider. Health care provider is defined as a person who is licensed, certified, or otherwise authorized by the laws of this state to practice a health care or healing arts profession or who administers health care in the ordinary course of business (such as a physician, physician assistant, advanced practice nurse, or cardiologist).