



## **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?**

SCA is the #1 cause of death for adults in this country. There are about 300,000 cardiac arrests outside hospitals each year. About 2,000 students die of SCA each year. It 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;
- dizziness;
- extreme fatigue;
- chest pains; or
- racing heart.

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.

### **Act 59 – the Sudden Cardiac Arrest Prevention Act (the Act)**

The act is intended 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, nurses and athletic trainers.