Students

First Aid/Emergency Medical Care

Sudden Cardiac Arrest Prevention

The CREC Council recognizes the importance of ensuring the safety of students participating in CREC's intramural and interscholastic athletic programs. The purpose of this policy is to provide guidance for the prevention and recognition of sudden cardiac arrest in student athletes.

For purposes of this policy, "intramural or interscholastic athletics" shall include any activity sponsored by CREC or a CREC school, as defined in C.G.S. 10-15f, or an organization sanctioned by CREC that involves any athletic contest, practice, scrimmage, competition, demonstration, display or club activity.

Sudden Cardiac Awareness Program

For the school year beginning July 1, 2015, and each school year thereafter, CREC shall use the sudden cardiac arrest awareness education program promulgated by the Connecticut State Board of Education (SBE), available on the SBE's website.

Training

For the school year commencing July 1, 2015, and each school year thereafter, any person who holds or is issued a coaching permit by the SBE and is a CREC coach of intramural or interscholastic athletics shall annually review the SBE promulgated program prior to beginning the coaching assignment for the season of such intramural or interscholastic athletics.

The SBE may revoke the coaching permit, as provided by law, of any coach who (1) does not annually review the program, (2) fails to immediately remove a student showing signs of sudden cardiac arrest, or (3) allows such student to resume participating without receiving appropriate medical clearance.

Consent Form Requirement

Each school year, beginning July 1, 2015, prior to participation in an athletic activity, parent/guardians of students participating in intramural or interscholastic athletics shall sign and return to CREC the SBE developed and approved informed consent form on sudden cardiac arrest. The form shall include a summary of the (1) program and (2) applicable CREC policies on sudden cardiac arrests.

Removal from Play

A student who, as determined by the coach of any intramural or interscholastic athletics, game official, certified athletic trainer, licensed physician, or other official designated by CREC,

exhibits signs, symptoms or behaviors consistent with a sudden cardiac arrest shall be removed by the coach from participating in any intramural or interscholastic athletics.

Any student known to have exhibited signs or symptoms of sudden cardiac arrest prior to or following an athletic activity shall be prevented from participating in athletic activities.

Return to Play

Prior to participation, the coach shall not return a student who previously exhibited warning signs of sudden cardiac arrest to participate in any intramural or interscholastic athletics until the student receives written clearance to participate in athletics from a licensed health care professional.

Penalties

A coach found in violation of the provisions of this policy related to the removal from play and return to play shall be permanently suspended from coaching any intramural or interscholastic athletic activity.

(cf. 5141 – Student Health Services)

(cf. 5141.7 – Automatic External Defibrillators)

(cf. 5141.31 – Health Examinations for School Athletic Participation)

(cf. 6145.2 – Interscholastic/Intramural Athletics)

Legal Reference Connecticut General Statutes

PA 14-93 An Act Concerning Sudden Cardiac Arrest Prevention.

10-145b(i) Teaching certificates.

10-235 Indemnification of teachers, board members, employees and certain volunteers and students in damage suits; expenses of litigation.

10-212d Availability of automatic external defibrillators in schools. Emergency action response plans for life-threatening emergencies.

Policy adopted: June 15, 2016 CAPITOL REGION EDUCATION COUNCIL

Hartford, Connecticut

Connecticut State Department of Education and the Connecticut Interscholastic Athletic Conference Sudden Cardiac Arrest Awareness Annual Review 2015-2016

NOTE: This Sudden Cardiac Arrest Awareness Annual Review was developed to educate coaches on current and relevant information regarding Sudden Cardiac Arrest (SCA). This form is required to be reviewed, signed and dated annually by any coach who holds or is issued a coaching permit by the State Board of Education and is acoach of intramural or interscholastic athletics. The signed form must be kept on file by the coach's associated school district to comply with Connecticut General Statutes (C.G.S.) Chapter 163, Section 10-149g: Coaches to annually review cardiac arrest education program. Revocation of coaching permit. Immunity from suit or liability.

Part 1: What is Sudden CardiacArrest?

Sudden Cardiac Arrest (SCA) is when the heart suddenly and unexpectedly stops pumping blood due to a rhythm abnormality. When this happens, blood stops flowing to the brain and other vital organs and, if left untreated, can quickly result in death. SCA does not just happen to adults; it also takes the lives of students. However, the causes of SCA in students and adults can be different. A student's SCA will likely result from an inherited condition, extreme overheating/dehydration or from trauma to the chest, while an adult's SCA is most often caused by a heart attack.

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, while SCA is a malfunction in the heart's electrical system, causing the heart to go into an unstable rapid rhythm.

Part 2: How Common is Sudden Cardiac Arrest?

SCA is the number one cause of death for adults in this country. It is also a leading cause of death for student-athletes. About 300,000 cardiac arrests occur outside hospitals each year. According to an April 2014 study for PubMed, the current incidence of SCA is:

- 0.63 per 100,000 students (6 in 1,000,000)
- 1.14per 100,000 student-athletes (11in 1,000,000)
- 0.31 per 100,000 student non-athletes (3 in 1,000,000)
- There is a significantly higher risk of SCA for boys than girls

Leading causes of sudden death among high school and college athletes, according to the National Collegiate Athletic Association (NCAA), are heat stroke, heart disease and traits associated with sickle cell anemia. The same study concludes that prevention of sudden death is associated with more advanced cardiac screenings with attention to medical histories and birth records, improved emergency procedures, and good coaching and conditioning practices.SCA can be prevented if the underlying causes can be diagnosed and treated.

SCA is a medical emergency. If not treated immediately it can cause irreversible organ and brain damage, and even death. With fast, appropriate medical care, however, survival is possible. Administering cardiopulmonary resuscitation (CPR) — or even just compressions to the chest — can improve the chances of survival until emergency personnel arrive. http://www.mayoclinic.org/diseases-conditions/sudden-cardiac-arrest/basics/definition/con-20042982

Part 3: What are the warning signs and symptoms of Sudden Cardiac Arrest?

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.

Risks of continuing activity after experiencing warning signs and symptoms

There are serious risks associated with continuing to practice or play after experiencing these symptoms. When the heart stops pumping efficiently, the brain and other vital organs are compromised. Death or permanent brain damage can occur in just a few minutes. Most people who experience SCA will die from it. Any student-athlete who shows signs or symptoms of SCA must be immediately removed from the athletic activity.

Part 4: What should a coach do when a student-athlete experiences Sudden Cardiac Arrest?

When a person experiences SCA, three actions should be taken immediately:

1st: Get Hel p! Call out for assistance and call 911.

2nd: Start CPR! Begin hands-only CPR.

<u>3rd:</u> Attach and activate an Automated External Defibrillator (AED)! An AED should be attached, activated and the user should follow the prompts. The AED will be able to determine if a shock should be given to theheart or if CPR should be continued without a shock. If the AED determines that a shock should be given, itwill give instructions on how to proceed.

Only CPR and AED use have been proven to help a person get out of a cardiac arrest. For every minute a person does not receive a shock, the chances of survival goes down by 10% per minute. Keep in mind that the average responsetime for emergency medical services (EMS) is approximately 5-8 minutes. The AED will not allow the user to deliveran electric shock if it is not clinically applicable. The person using the AED can attach the device to the person suffering the SCA, turn it on and push the shock button, but the AED will not allow a shock to be delivered if it is unwarranted. No harm can be done by applying an AED to an individual.

Return to Play

Before returning to play, the athlete must be evaluated by a licensed medical provider. Following the evaluation, written clearance, signed by the licensed medical provider, must be given prior to the student-athlete engaging in any athletic activity.

Summary

- SCA is, by definition, sudden and unexpected.
- SCA can happen in individuals who appear healthy and have no known heart disease.
- Most people who have SCA die from it, usually within minutes.
- Rapid treatment of SCA with CPR and an AED can be lifesaving.
- Training in recognition of signs of SCA, and the availability of AEDs and personnel who possess the skills to use one, may save the life of someone experiencing SCA.

National Heart. Lung and Blood Institute: http://www .nhlbi.nih.gov/health/health-topics/topics/scda

I have read and understand the information provided in this document and understand that the law requires me to complete this Sudden Cardiac Arrest Annual Review to maintain my coaching permit. I further understand that the State Board of Education may revoke my coaching permit if I do not comply with this requirement.

Coach:	School:		
	(Print Name)		
Coach's Signature:		Dat	e: ————

Sources/Resources:

Simons Fund - http://www.simonsfund.org/

Pennsylvania Department of Health - http://www.simonsfund.org/wp-

content/uploads/2012/06/Parent-Handout-SCA.pdf

Mayo Clinic - http://www.mayoclinic.org/diseases-conditions/sudden-cardiac-

arrest/basics/definition/con- 20042982

National Heart, Lung and Blood Institute (NH LBI) - http://www.nhl bi.ni

h.gov/health/health-topics/topics/scda

American Heart Association (AHA) - http://www.heart.org

School Name	
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Parent and Legal Guardian Sudden Cardiac Arrest Awareness Informed Consent Form 2015-16

This Parent and legal Guardian Sudden Cardiac Arrest Awareness Informed Consent Form was developed to provide parents and legal guardians of student-athletes with current and relevant information regarding sudden cardiac arrest, or SCA. This form is required to be read, signed, dated and provided to the student-athlete's school annually, indicating the parent or legal guardian's authorization for the student-athlete to participate in intramural or interscholastic athletics.

Part 1: What is Sudden Cardiac Arrest?

Sudden Cardiac Arrest {SCA} is when the heart suddenly and unexpectedly stops pumping blood due to a rhythm abnormality. When this happens, blood stops flowing to the brain and other vital organs and, if left untreated, can quickly result in death. SCA does not just happen to adults; it also takes the lives of students. However, the causes of SCA in students and adults can be different. A student's SCA will likely result from an inherited condition, extreme overheating/dehydration or from trauma to the chest, while an adult's SCA is most often caused by a heart attack.

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http://www.mayocl inic.org/ diseases-conditions/sudden-ca rdiac-a rrest/basics/ definition/con-20042 982

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Only CPR and AED use have been proven to help a person get out of a cardiac arrest. For every minute a person does not receive a shock, the chances of survival goes down by 10% per minute. Keep in mind that the average response time for emergency medical services {EMS} is approximately 5-8 minutes. The AED will not allow the user to deliver an electric shock if it is not clinically applicable. The person using the AED can attach the device to the person suffering the SCA, turn it on and push the shock button, but the AED will not allow a shock to be delivered if it is unwarranted. No harm can be done by applying an AED to an individual.

Return to Play

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Part 5: Local Board of Education Policy regarding Sudden Cardiac Arrest

***** Attach a summary of the local board of education policy regarding SCA.

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 SCA.

National Heart, Lung and Blood Institute: http://www.nhlbi.nih.gov/health/health-topics/topics/scda

I have read and understand the Parent and Legal Guardian Sudden Cardiac Arrest Awareness Informed Consent Form and understand the severities associated with Sudden Cardiac Arrest (SCA) and the need for immediate treatment of any suspected condition.						
l authorize	to participate ir	າ	for school year			
(Student Name)		(Sport/Activity	y)			
Parent/Guardian:	(Print Name)	Date:	Signature:			

Sources/Resources:

Simons Fund - http://www.simonsfund.org/

Pennsylvania Department of Health - http://www.simonsfund.org/wp-content/uploads/2012/06/Parent-Handout-SCA.pdf

Mayo Clinic - http://www.mayoclinic.org/diseases -conditions/sudden-cardiac-arrest/basics/definition/con- 20042982

National Heart, Lung and Blood Institute (NHLBI) - http://www.nhlbi.nih.gov/health/health-topics/topics/scda

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