

## Dominic Murray Sudden Cardiac Arrest Prevention Act

The [Dominic Murray Sudden Cardiac Arrest Prevention Act](#), a new law as of July 1, 2022, requires schools, students, and parents/guardians to have information on sudden cardiac arrest risks, signs, and symptoms. Please note that sudden cardiac arrest in children and youth is rare. The incidence of sudden cardiac death (SCD) on the playing field is 0.61 in 100,000.1.

Sudden cardiac arrest (SCA) is an emergency that happens when the heart suddenly stops working. It can cause death if not treated immediately, and even with treatment death may occur. Immediate treatment is cardiopulmonary resuscitation (CPR) and use of an automatic external defibrillator (AED). All public schools must have a staff member trained in the use of CPR and AED in school and at all school athletic events.

Preventing SCA before it happens is the best way to save a life. Both your family health history and your child's personal history must be told to healthcare providers to help them know if your child is at risk for sudden cardiac arrest. Ask your child if they are having any of the symptoms listed below and tell a healthcare provider. Know your family history and tell a healthcare provider of any risk factors listed below.

### **Signs or Symptoms are:**

- Fainting or seizure, especially during or right after exercise or with excitement or startled
- Racing heart, palpitations, or irregular heartbeat
- Dizziness, lightheadedness, or extreme fatigue with exercise
- Chest pain or discomfort with exercise
- Excessive shortness of breath during exercise
- Excessive, unexpected fatigue during or after exercise

### **Student's Personal Risk Factors are:**

- Use of diet pills, performance-enhancing supplements, energy drinks, or drugs such as cocaine, inhalants, or recreational drugs.
- Elevated blood pressure or cholesterol
- History of healthcare provider ordered test(s) for heart related issues

**Student's Family History Risk Factors are:**

- Family history of known heart abnormalities or sudden death before 50 years of age
- Family members with *unexplained* fainting, seizures, drowning, near drowning, or car accidents before 50 years of age
- Structural heart abnormality, repaired or unrepaired
- Any relative diagnosed with the following conditions:
  - Enlarged Heart/ Hypertrophic Cardiomyopathy/Dilated Cardiomyopathy
  - Arrhythmogenic Right Ventricular Cardiomyopathy
  - Heart rhythm problems, long or short QT interval
  - Brugada Syndrome
  - Catecholaminergic Ventricular Tachycardia
  - Marfan Syndrome- aortic rupture
  - Heart attack at 50 years or younger
  - Pacemaker or implanted cardiac defibrillator (ICD)

SCA in students at risk can be triggered by athletic activities. To decrease any chance of SCA in a student, the health history form located in the registration software must be completed and signed by a parent/guardian before each sports season. This form has questions to help identify changes since the last physical examination or health history was completed. School personnel may require a student with health or history changes to see a healthcare provider before participating in athletics.

Finally, the law requires any student who has signs and symptoms of pending SCA be removed from athletic activity until seen by a **physician**. The physician must provide written clearance to the school for the student to be able to return to athletics.

For further information on this topic, please contact your student's school nurse or the New York State Education Department's Office of Student Support Services at [studentsupportservices@nysed.gov](mailto:studentsupportservices@nysed.gov) or 518-486-6090.