May 12, 2015

TO: Chief School Administrators  
Charter School Lead Persons  
Administrators of Nonpublic Schools

FROM: Susan Martz, Assistant Commissioner  
Division of Student Services and Career Readiness

SUBJECT: Fact Sheet for Parents on Sports-Related Eye Injuries in Youth

The purpose of this memorandum is to announce the availability of *Sports-Related Eye Injuries: An Educational Fact Sheet for Parents*. Eye injuries are the leading cause of preventable blindness and visual impairment in children, and most injuries occurring in school-aged children are sports-related. The fact sheet, developed by the New Jersey Department of Education, includes critical information to promote the prevention of eye injuries as well as recommendations for the appropriate management of eye injuries that may occur. Each school district and nonpublic school is required to distribute the educational fact sheet annually to parents or guardians of the students, pursuant to N.J.S.A. 18A:40-41.9(b), in order to reduce the needless loss of sight that can occur during sports activities. The attached fact sheet may also be accessed at:

http://www.state.nj.us/education/students/safety/health/SportsRelatedEyeInjury.pdf

Questions may be directed to schoolhealthservices@doe.state.nj.us.

NC/CDP.N\SHSS UnitSchool Health/Broadcast memos CDP/May 12 15 broadcast eye fact sheet(1).docx
Attachment

c: Members, State Board of Education  
David C. Hespe, Commissioner  
Senior Staff  
Nancy Curry  
Diane Shoener  
Peter Carfagno  
Christene DeWitt-Parker  
Jessani Gordon  
Greg Kocher  
Executive County Business Officials  
Executive County School Superintendents  
Executive Directors for Regional Achievement Centers  
Garden State Coalition of Schools  
NJ LEE Group
SPORTS-RELATED EYE INJURIES:
AN EDUCATIONAL FACT SHEET FOR PARENTS

Participating in sports and recreational activities is an important part of a healthy, physically active lifestyle for children. Unfortunately, injuries can, and do, occur. Children are at particular risk for sustaining a sports-related eye injury and most of these injuries can be prevented. Every year, more than 30,000 children sustain serious sports-related eye injuries. Every 13 minutes, an emergency room in the United States treats a sports-related eye injury. According to the National Eye Institute, the sports with the highest rate of eye injuries are: baseball/softball, ice hockey, racquet sports, and basketball, followed by fencing, lacrosse, paintball and boxing.

Thankfully, there are steps that parents can take to ensure their children’s safety on the field, the court, or wherever they play or participate in sports and recreational activities.

Approximately 90% of sports-related eye injuries can be prevented with simple precautions, such as using protective eyewear. Each sport has a certain type of recommended protective eyewear, as determined by the American Society for Testing and Materials (ASTM). Protective eyewear should sit comfortably on the face. Poorly fitted equipment may be uncomfortable, and may not offer the best eye protection. Protective eyewear for sports includes, among other things, safety goggles and eye guards, and it should be made of polycarbonate lenses, a strong, shatterproof plastic. Polycarbonate lenses are much stronger than regular lenses.

Health care providers (HCP), including family physicians, ophthalmologists, optometrists, and others, play a critical role in advising students, parents and guardians about the proper use of protective eyewear. To find out what kind of eye protection is recommended, and permitted for your child’s sport, visit the National Eye Institute at http://www.nei.nih.gov/sports/findingprotection.asp. Prevent Blindness America also offers tips for choosing and buying protective eyewear at http://www.preventblindness.org/tips-buying-sports-eye-protectors, and http://www.preventblindness.org/recommended-sports-eye-protectors.

It is recommended that all children participating in school sports or recreational sports wear protective eyewear. Parents and coaches need to make sure young athletes protect their eyes, and properly gear up for the game. Protective eyewear should be part of any uniform to help reduce the occurrence of sports-related eye injuries. Since many youth teams do not require eye protection, parents may need to ensure that their children wear safety glasses or goggles whenever they play sports. Parents can set a good example by wearing protective eyewear when they play sports.

---

The most common types of eye injuries that can result from sports injuries are blunt injuries, corneal abrasions, and penetrating injuries.

- **Blunt injuries**: Blunt injuries occur when the eye is suddenly compressed by impact from an object. Blunt injuries, often caused by tennis balls, racquets, fists or elbows, sometimes cause a black eye or hyphema (bleeding in front of the eye). More serious blunt injuries often break bones near the eye, and may sometimes seriously damage important eye structures and/or lead to vision loss.

- **Corneal abrasions**: Corneal abrasions are painful scrapes on the outside of the eye, or the cornea. Most corneal abrasions eventually heal on their own, but a doctor can best assess the extent of the abrasion, and may prescribe medication to help control the pain. The most common cause of a sports-related corneal abrasion is being poked in the eye by a finger.

- **Penetrating injuries**: Penetrating injuries are caused by a foreign object piercing the eye. Penetrating injuries are very serious, and often result in severe damage to the eye. These injuries often occur when eyeglasses break while they are being worn. Penetrating injuries must be treated quickly in order to preserve vision.

**Signs or Symptoms of an Eye Injury**
- Pain when looking up and/or down, or difficulty seeing.
- Tenderness.
- Sunken eye.
- Double vision.
- Severe eyelids and facial swelling.
- Difficulty tracking.
- The eye has an unusual pupil size or shape.
- Blood in the clear part of the eye.
- Numbness of the upper cheek and gum and/or.
- Severe redness around the white part of the eye.

If a child sustains an eye injury, it is recommended that he/she receive immediate treatment from a licensed HCP (e.g., eye doctor) to reduce the risk of serious damage, including blindness. It is also recommended that the child, along with his/her parent or guardian, seek guidance from the HCP regarding the appropriate amount of time to wait before returning to sports competition or practice after sustaining an eye injury. The school nurse and the child’s teachers should also be notified when a child sustains an eye injury. A parent or guardian should also provide the school nurse with a physician’s note detailing the nature of the eye injury, any diagnosis, medical orders for the return to school, as well as any prescription(s) and/or treatment(s) necessary to promote healing, and the safe resumption of normal activities, including sports and recreational activities.

According to the American Family Physician Journal, there are several guidelines that should be followed when students return to play after sustaining an eye injury. For example, students who have sustained significant ocular injury should receive a full examination and clearance by an ophthalmologist or optometrist. In addition, students should not return to play until the period of time recommended by their HCP has elapsed. For more minor eye injuries, the athletic trainer may determine that it is safe for a student to resume play based on the nature of the injury, and how the student feels. No matter what degree of eye injury is sustained, it is recommended that students wear protective eyewear when returning to play and immediately report any concerns with their vision to their coach and/or the athletic trainer.

*Additional information on eye safety can be found at http://isee.nei.nih.gov and http://www.nei.nih.gov/sports.*