

CONCUSSION EDUCATION AND MANAGEMENT PROTOCOL

Education

Concussions are common in sports. The Missouri State High School Activities Association (MSHSAA) believes that education of coaches, officials, athletes, and their parents or guardians are key to safely returning a student athlete to play. Appropriate immediate care after a suspected concussion, and follow up incorporating a multi-disciplinary team that includes the coach, parent or guardian, athlete's physician, team physician and athletic trainer (if available), and school representatives, also are important for the proper management of a sport-related concussion.

Each school district will receive educational materials for coaches, athletes, parents, and school officials, required forms for student athlete participation and parent/guardian consent, and recommended medical clearance forms for return to play.

Annually, MSHSAA member school districts will ensure that every coach, student athlete, and parents or guardians of a student athlete completes a concussion and head injury information sheet and returns it to the school district prior to the student athlete's participation in practice or competition. Officials will receive training from their parent organization. Each official's organization will require annual concussion training and maintain a signed head injury information sheet for each official.

Recognition and Evaluation of the Athlete with a Concussion

1. Recognition of the signs and symptoms of a concussion is important. Every member of the team-athlete, teammates, coaches, parents or guardians, officials, athletic trainers, and team physicians have a duty to report a suspected concussion. Not all school districts have medical personnel available to cover every practice and competition; therefore, the coach is the person in the best position to protect the player and must be aware that not all student athletes will be forthcoming about their injury.
2. An official shall not be responsible for making the diagnosis of a concussion. The official can assist coaches and medical staff by recognizing signs and symptoms of a concussion and informing the coach and medical staff of their concerns.
3. The coach, (Athletic Trainer) AT, or physician on site should evaluate the athlete in a systemic fashion:
 - a. Assess for airway, breathing, and circulation (basic CPR assessment)
 - b. Assess for concussion
 - i. Any unconscious athlete should be assumed to have a severe head and/or neck injury and should have their cervical spine immobilized until a determination can be made that the cervical spine has not been injured. If no medical professional can make the assessment, the athlete should be transported to an appropriate emergency care facility.
 - ii. A conscious athlete with no neck pain can be further evaluated on the sideline.
4. An athlete experiencing ANY of the signs/symptoms of a concussion should be immediately removed from play. Signs/Symptoms of a concussion include:

<u>PHYSICAL</u>	<u>COGNITIVE</u>	<u>EMOTIONAL</u>
Headache	Feeling mentally "foggy"	Irritability
Nausea/Vomiting	Feeling slowed down	Sadness
Dazed/Stunned	Difficulty concentrating	More emotional
Balance problems	Difficulty remembering	Nervousness

Visual problems
Fatigue
Sensitivity to light
Sensitivity to noise

Forgetful of recent information
Confused about recent events
Answers questions slowly
Repeats questions

5. Evaluation

- a. Following any first aid management, the medical team, or coach in the absence of medical personnel, should assess the athlete to determine the presence or absence of a concussion. The current version of the Sport Concussion Assessment Tool (SCAT) is an assessment tool that is readily available and can assist with the assessment. The athlete should be monitored for worsening or change in signs and symptoms over the next 24 hours. Instructions should be given to the parent or guardian as to signs and symptoms that may require further or more emergent evaluation.

6. Management of a Concussion and Return to Play

- a. An athlete determined to have a concussion or have concussion-like symptoms will be removed from practice or competition and is not allowed to return to practice or competition that same day.
- b. If an athlete displays concussion-like signs or symptoms, the athlete should be assumed to have a concussion until further medical evaluation can occur. “WHEN IN DOUBT, SIT THEM OUT!”
- c. Written clearance from a physician (MD or DO), Advanced Nurse Practitioner in written collaborative practice with a physician, Certified Physician Assistant in written collaborative practice with a physician, Athletic Trainer or Neuropsychologist in written supervision of a physician must be provided prior to return to play.
- d. Following a concussion, current accepted guidelines on physical and cognitive activity should be practiced until symptoms have resolved.
- e. An athlete must be asymptomatic at rest and with exertion prior to return to play
- f. A graduated return to play progression should be followed to guide return to activity following medical clearance as outlined on the MSHSAA Concussion Return to Play form.