



A Fact Sheet for **COACHES**

To download the coaches fact sheet in Spanish, please visit www.cdc.gov/ConcussionInYouthSports

Para descargar la hoja informativa para los entrenadores en español, por favor visite:

www.cdc.gov/ConcussionInYouthSports

THE FACTS

- · A concussion is a brain injury.
- All concussions are serious.
- Concussions can occur without loss of consciousness.
- · Concussions can occur in any sport.
- Recognition and proper management of concussions when they
 first occur can help prevent further injury or even death.

WHAT IS A CONCUSSION?

A concussion is an injury that changes how the cells in the brain normally work. A concussion is caused by a blow to the head or body that causes the brain to move rapidly inside the skull. Even a "ding," "getting your bell rung," or what seems to be a mild bump or blow to the head can be serious. Concussions can also result from a fall or from players colliding with each other or with obstacles, such as a goalpost.

The potential for concussions is greatest in athletic environments where collisions are common.¹ Concussions can occur, however, in **any** organized or unorganized sport or

recreational activity. As many as 3.8 million sports- and recreation-related concussions occur in the United States each year.²

RECOGNIZING A POSSIBLE CONCUSSION

To help recognize a concussion, you should watch for the following two things among your athletes:

1. A forceful blow to the head or body that results in rapid movement of the head.

-and-

 Any change in the athlete's behavior, thinking, or physical functioning. (See the signs and symptoms of concussion listed on the next page.)



U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES CENTERS FOR DISEASE CONTROL AND PREVENTION





D SYMPTOMS SIGNS AN

SIGNS OBSERVED BY COACHING STAFF

SYMPTOMS REPORTED BY ATHLETE Headache or "pressure" in head

Balance problems or dizziness

Nausea or vomiting

Double or blurry vision

- Appears dazed or stunned
- Is confused about assignment or position
- Forgets sports plays
- Is unsure of game, score, or opponent
- Moves clumsily
- Answers questions slowly
- Loses consciousness (even briefly)
- Can't recall events prior to hit or fall

Does not "feel right"

Confusion

Shows behavior or personality changes

Concentration or memory problems

Feeling sluggish, hazy, foggy,

or groggy

Sensitivity to noise Sensitivity to light

- - Can't recall events after hit or fall

Adapted from Lovell et al. 2004

PREVENTION AND PREPARATION

some steps you can take to ensure the best preventing concussions and responding to them properly when they occur. Here are outcome for your athletes and the team: As a coach, you can play a key role in

should be kept from play until given permission

Athletes who experience any of these signs or

symptoms after a bump or blow to the head

to return to play by a health care professional

with experience in evaluating for concussion.

Signs and symptoms of concussion can last

from several minutes to days, weeks, months,

or even longer in some cases.

Educate athletes and parents about

long-term consequences of concussion. For concussion, view the following online video more information on long-term effects of concussion. Talk with athletes and their parents about the dangers and potential clip: http://www.cdc.gov/ncipc/tbi/ Coaches_Tool_Kit.htm#Video.

report symptoms until hours or days after the

Remember, you can't see a concussion and

some athletes may not experience and/or

athlete has a concussion, you should keep the

athlete out of the game or practice.

injury. If you have any suspicion that your

athletes and for parents at the beginning Explain your concerns about concussion athletes, parents, and assistant coaches. of the season and again if a concussion Pass out the concussion fact sheets for and your expectations of safe play to

Insist that safety comes first.

- and encourage them to follow the rules > Teach athletes safe playing techniques
- Encourage athletes to practice good sportsmanship at all times.
- and eye and mouth guards). Protective (such as helmets, padding, shin guards, orotective equipment for their activity equipment should fit properly, be well maintained, and be worn consistently Make sure athletes wear the right
- Review the athlete fact sheet with your team to help them recognize the signs and symptoms of a concussion.

and correctly.

athletes can safely return to play following commitment to safety, a brief description a concussion (i.e., an athlete with known of concussion, and information on when administrator about concussion policies. Check with your youth sports league or or suspected concussion should be kept Concussion policy statements can be developed to include the league's

the whole season."

sign the concussion policy statement at the professional). Parents and athletes should permission to return by a health care from play until evaluated and given beginning of the sports season.

Teach athletes and parents that it's not smart to play with a concussion.

let athletes persuade you that they're "just believe that it shows strength and courage fine" after they have sustained any bump pressuring injured athletes to play. Don't or blow to the head. Ask if players have Sometimes players and parents wrongly to play injured. Discourage others from ever had a concussion.

athletes with known or suspected concussion athletes: "It's better to miss one game than and even death. This more serious condition ikelihood of having long-term problems. In rare cases, repeat concussions can result in and given permission to return to play by a health care professional with experience in weeks)—can slow recovery or increase the Prevent long-term problems. A repeat recovers from the first—usually within a is called second impact syndrome. 4,5 Keep from play until they have been evaluated brain swelling, permanent brain damage, concussion that occurs before the brain evaluating for concussion. Remind your short period of time (hours, days, or

ACTION PLAN

WHAT SHOULD A COACH DO WHEN A CONCUSSION IS SUSPECTED?

- 1. Remove the athlete from play. Look for the signs and symptoms of a concussion if your athlete has experienced a bump or blow to the head. Athletes who experience signs or symptoms of concussion should not be allowed to return to play. When in doubt, keep the athlete out of play.
- **2. Ensure that the athlete is evaluated right away by an appropriate health care professional.** Do not try to judge the severity of the injury yourself. Health care professionals have a number of methods that they can use to assess the severity of concussions. As a coach, recording the following information can help health care professionals in assessing the athlete after the injury:
 - Cause of the injury and force of the hit or blow to the head
 - Any loss of consciousness (passed out/ knocked out) and if so, for how long
 - Any memory loss immediately following the injury
 - Any seizures immediately following the injury
 - Number of previous concussions (if any)

- 3. Inform the athlete's parents or guardians about the possible concussion and give them the fact sheet on concussion.
 - Make sure they know that the athlete should be seen by a health care professional experienced in evaluating for concussion.
- 4. Allow the athlete to return to play only with permission from a health care professional with experience in evaluating for concussion. A repeat concussion that occurs before the brain recovers from the first can slow recovery or increase the likelihood of having long-term problems. Prevent common long-term problems and the rare second impact syndrome by delaying the athlete's return to the activity until the player receives appropriate medical evaluation and approval for return to play.

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If you think your athlete has sustained a concussion... take him/her out of play, and seek the advice of a health care professional experienced in evaluating for concussion.