



## What is a concussion?

A concussion is a type of brain injury that changes the way the brain normally works. A concussion is caused by a bump, blow, or jolt to the head. Concussions can also occur from a blow to the body that causes the head and brain to move rapidly back and forth. Even what seems to be a mild bump to the head can be serious. Concussions can have a more serious effect on a young, developing brain and need to be addressed correctly.

## What are the signs and symptoms of a concussion?

You can't see a concussion. Signs and symptoms of concussion can show up right after an injury or may not appear or be noticed until hours or days after the injury. It is important to watch for changes in how your child or teen is acting or feeling, if symptoms are getting worse, or if s/he just "doesn't feel right." Most concussions occur without loss of consciousness.

If your child or teen reports one or more of the symptoms of concussion listed below, or if you notice the signs or symptoms yourself, seek medical attention right away. Children and teens are among those at greatest risk for concussion.

# Signs & Symptoms of a Concussion

## Signs Observed by Parents or Guardians

- Appears dazed or stunned
- Is confused about events
- Answers questions slowly
- Repeats questions
- Can't recall events *prior* to hit, bump, or fall
- Can't recall events *after* hit, bump, or fall
- Loses consciousness (even briefly)
- Shows behavior or personality changes
- Forgets class schedule or assignments

## Symptoms Reported by Your Child or Teen

### Thinking/Remembering

- Difficulty thinking clearly
- Difficulty concentrating or remembering
- Feeling more slowed down
- Feeling sluggish, hazy, foggy, or groggy

### Physical

- Headache or "pressure" in head
- Nausea or vomiting
- Balance problems or dizziness
- Fatigue or feeling tired
- Blurry or double vision
- Sensitivity to light or noise
- Numbness or tingling
- Does not "feel right"

### Emotional

- Irritable
- Sad
- More emotional than usual
- Nervous

### Sleep\*

- Drowsy
- Sleeps *less* than usual
- Sleeps *more* than usual

*\*Only ask about sleep symptoms if the injury occurred on a prior day.*

# Danger Signs

Be alert for symptoms that worsen over time. Your child or teen should be seen in an emergency department right away if she or he has one or more of these danger signs:

- One pupil (the black part in the middle of the eye) larger than the other
- Drowsiness or cannot be awakened
- A headache that gets worse and does not go away
- Weakness, numbness, or decreased coordination
- Repeated vomiting or nausea
- Slurred speech
- Convulsions or seizures
- Difficulty recognizing people or places
- Increasing confusion, restlessness, or agitation
- Unusual behavior
- Loss of consciousness (even a brief loss of consciousness should be taken seriously)

**Children and teens with a suspected concussion should NEVER return to sports or recreation activities on the same day the injured occurred.**

They should delay returning to their activities until a healthcare provider experienced in evaluating for concussion says it's OK to return to play. This means, until permitted, not returning to:

- Physical Education (PE) class
- Sports practices or games
- Physical activity at recess

## ➤ What should I do if my child or teen has a concussion?

### 1. Seek medical attention right away.

A healthcare provider experienced in evaluating for concussion can determine how serious the concussion is and when it is safe for your child or teen to return to normal activities, including physical activity and school (concentration and learning activities).

### 2. Help them take time to get better.

If your child or teen has a concussion, her or his brain needs time to heal. Your child or teen may need to limit activities while s/he is recovering from a concussion. Exercising or activities that involve a lot of concentration, such as studying, working on the computer, or playing video games may cause concussion symptoms (such as headache or tiredness) to reappear or get worse. After a concussion, physical and cognitive activities—such as concentration and learning—should be carefully managed and monitored by a healthcare provider.

### 3. Talk to your child or teen about how they are feeling.

Your child may feel frustrated, sad, and even angry because s/he cannot return to recreation and sports right away, or cannot keep up with schoolwork. Your child may also feel isolated from peers and social networks. Talk often with your child about these issues and offer your support and encouragement.

## ➤ How can I help my child return to school safely after a concussion?

Most children can return to school within a few days. Help your child or teen get needed support when returning to school after a concussion. Talk with your child's teachers, school nurse, coach, speech-language pathologist, or counselor about your child's concussion and symptoms.

Your child's or teen's healthcare provider can use CDC's Letter to Schools to provide strategies to help the school set up any needed supports.

As your child's symptoms decrease, the extra help or support can be removed gradually. Children and teens who return to school after a concussion may need to:

- Take rest breaks as needed
- Spend fewer hours at school
- Be given more time to take tests or complete assignments
- Receive help with schoolwork
- Reduce time spent reading, writing, or on the computer
- Sit out of physical activities, such as recess, PE, and sports until approved by a healthcare provider
- Complete fewer assignments
- Avoid noisy and over-stimulating environments

To learn more, go to [www.cdc.gov/HEADSUP](http://www.cdc.gov/HEADSUP) or call 1.800.CDC.INFO

January 2021



# PARENT & ATHLETE CONCUSSION INFORMATION SHEET



## WHAT IS A CONCUSSION?

A concussion is a type of traumatic brain injury that changes the way the brain normally works. A concussion is caused by a bump, blow, or jolt to the head or body that causes the head and brain to move quickly back and forth. Even a "ding," "getting your bell rung," or what seems to be a mild bump or blow to the head can be serious.

## WHAT ARE THE SIGNS AND SYMPTOMS OF CONCUSSION?

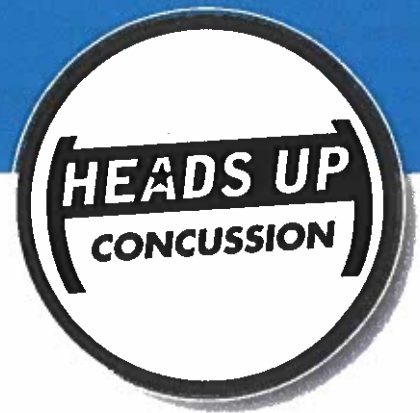
Signs and symptoms of concussion can show up right after the injury or may not appear or be noticed until days or weeks after the injury.

If an athlete reports one or more symptoms of concussion after a bump, blow, or jolt to the head or body, s/he should be kept out of play the day of the injury. The athlete should only return to play with permission from a health care professional experienced in evaluating for concussion.

### DID YOU KNOW?

- Most concussions occur without loss of consciousness.
- Athletes who have, at any point in their lives, had a concussion have an increased risk for another concussion.
- Young children and teens are more likely to get a concussion and take longer to recover than adults.

[ INSERT YOUR LOGO ]



## SYMPTOMS REPORTED BY ATHLETE:

- Headache or "pressure" in head
- Nausea or vomiting
- Balance problems or dizziness
- Double or blurry vision
- Sensitivity to light
- Sensitivity to noise
- Feeling sluggish, hazy, foggy, or groggy
- Concentration or memory problems
- Confusion
- Just not "feeling right" or is "feeling down"

## SIGNS OBSERVED BY COACHING STAFF:

- Appears dazed or stunned
- Is confused about assignment or position
- Forgets an instruction
- Is unsure of game, score, or opponent
- Moves clumsily
- Answers questions slowly
- Loses consciousness (even briefly)
- Shows mood, behavior, or personality changes
- Can't recall events prior to hit or fall
- Can't recall events after hit or fall

▶ **"IT'S BETTER TO MISS ONE GAME THAN THE WHOLE SEASON"**



## CONCUSSION DANGER SIGNS

In rare cases, a dangerous blood clot may form on the brain in a person with a concussion and crowd the brain against the skull. An athlete should receive immediate medical attention if after a bump, blow, or jolt to the head or body s/he exhibits any of the following danger signs:

- One pupil larger than the other
- Is drowsy or cannot be awakened
- A headache that gets worse
- Weakness, numbness, or decreased coordination
- Repeated vomiting or nausea
- Slurred speech
- Convulsions or seizures
- Cannot recognize people or places
- Becomes increasingly confused, restless, or agitated
- Has unusual behavior
- Loses consciousness (even a brief loss of consciousness should be taken seriously)

## WHAT SHOULD YOU DO IF YOU THINK YOUR ATHLETE HAS A CONCUSSION?

1. If you suspect that an athlete has a concussion, remove the athlete from play and seek medical attention. Do not try to judge the severity of the injury yourself. Keep the athlete out of play the day of the injury and until a health care professional, experienced in evaluating for concussion, says s/he is symptom-free and it's OK to return to play.
2. Rest is key to helping an athlete recover from a concussion. Exercising or activities that involve a lot of concentration, such as studying, working on the computer, and playing video games, may cause concussion symptoms to reappear or get worse. After a concussion, returning to sports and school is a gradual process that should be carefully managed and monitored by a health care professional.
3. Remember: Concussions affect people differently. While most athletes with a concussion recover quickly and fully, some will have symptoms that last for days, or even weeks. A more serious concussion can last for months or longer.

## WHY SHOULD AN ATHLETE REPORT THEIR SYMPTOMS?

If an athlete has a concussion, his/her brain needs time to heal. While an athlete's brain is still healing, s/he is much more likely to have another concussion. Repeat concussions can increase the time it takes to recover. In rare cases, repeat concussions in young athletes can result in brain swelling or permanent damage to their brain. They can even be fatal.

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STUDENT-ATHLETE NAME PRINTED

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STUDENT-ATHLETE NAME SIGNED

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DATE

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PARENT OR GUARDIAN NAME PRINTED

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PARENT OR GUARDIAN NAME SIGNED

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DATE

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HEADS UP

TO LEARN MORE GO TO >> [WWW.CDC.GOV/CONCUSSION](http://WWW.CDC.GOV/CONCUSSION)

Content Source: CDC's Heads Up Program. Created through a grant to the CDC Foundation from the National Operating Committee on Standards for Athletic Equipment (NOCSAE)

# A FACT SHEET FOR High School Athletes



This sheet has information to help you protect yourself from concussion or other serious brain injury and know what to do if a concussion occurs.


## WHAT IS A CONCUSSION?

A concussion is a brain injury that affects how your brain works. It can happen when your brain gets bounced around in your skull after a fall or hit to the head.

## What Should I Do If I Think I Have a Concussion?



**Report It.** Tell your coach, parent, and athletic trainer if you think you or one of your teammates may have a concussion. It's up to you to report your symptoms. Your coach and team are relying on you. Plus, you won't play your best if you are not feeling well.



**Get Checked Out.** If you think you have a concussion, do not return to play on the day of the injury. Only a healthcare provider can tell whether you have a concussion and when it is OK to return to school and play. The sooner you get checked out, the sooner you may be able to safely return to play.



### **Give Your Brain Time to Heal.**

A concussion can make everyday activities, such as going to school, harder. You may need extra help getting back to your normal activities. Be sure to update your parents and doctor about how you are feeling.

## Why Should I Tell My Coach and Parent About My Symptoms?



- Playing or practicing with a concussion is dangerous and can lead to a longer recovery.
- While your brain is still healing, you are much more likely to have another concussion. This can put you at risk for a more serious injury to your brain and can even be fatal.

GOOD TEAMMATES KNOW:  
IT'S BETTER TO MISS ONE GAME THAN THE WHOLE SEASON.



[cdc.gov/HEADSUP](https://cdc.gov/HEADSUP)

# How Can I Tell If I Have a Concussion?

You may have a concussion if you have any of these symptoms after a bump, blow, or jolt to the head or body:

-  Get a headache
-  Feel dizzy, sluggish, or foggy
-  Are bothered by light or noise
-  Have double or blurry vision
-  Vomit or feel sick to your stomach
-  Have trouble focusing or problems remembering
-  Feel more emotional or “down”
-  Feel confused
-  Have problems with sleep

Concussion symptoms usually show up right away, but you might not notice that something “isn’t right” for hours or days. A concussion feels different to each person, so it is important to tell your parents and doctor how you are feeling.

# How Can I Help My Team?



## *Protect Your Brain.*

Avoid hits to the head and follow the rules for safe and fair play to lower your chances of getting a concussion. Ask your coaches for more tips.



## *Be a Team Player.*

You play an important role as part of a team. Encourage your teammates to report their symptoms and help them feel comfortable taking the time they need to get better.

The information provided in this document or through linkages to other sites is not a substitute for medical or professional care. Questions about diagnosis and treatment for concussion should be directed to a physician or other healthcare provider.

Revised January 2019

To learn more,  
go to [cdc.gov/HEADSUP](https://cdc.gov/HEADSUP)

