

Caring for your child with a concussion

Age 4 years and younger

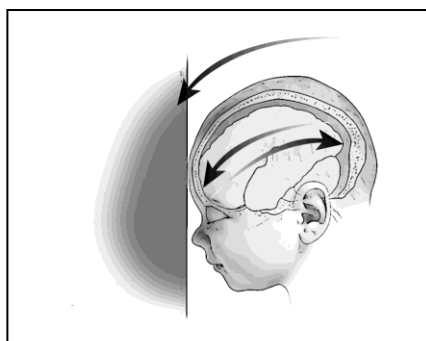


Children'sSM
Healthcare of Atlanta

What is a concussion?

A concussion:

- Is a type of traumatic brain injury (TBI) caused by a blow to the head or another part of the body.
- **Affects how the brain functions and processes** information at the neurochemical level.
- **Is not a structural injury** to the brain, so imaging tests such as a CT scan or MRI will most often look normal.



The blow causes the head to quickly move back and forth or turn from side to side.

The movement inside the skull can cause a direct, back and forth, or rotating force to the brain.

This can stretch and damage cells, sometimes causing chemical changes in the brain.

Concussions are rarely life-threatening. Despite sometimes being referred to as a “mild” TBI, a concussion is still a TBI and can have serious effects, especially if not recognized and treated. Multiple concussions are especially dangerous.

What are the common symptoms of a concussion?

Symptoms of concussion can occur right away or up to two days after the injury. They may include:

Physical

Headache
Sensitivity to noise and light
Loss of balance
Trouble walking
Being really tired or drowsy
Nausea or vomiting
Vision changes

Thinking and remembering

Trouble thinking clearly
Hard time remembering
Feeling slower

Social and emotional

Being irritable or fussier than normal
Feeling more emotional
Feeling sad or nervous
Being aggressive
Hard to console

Sleep

Sleeping less than normal
Sleeping more than normal
Trouble falling asleep

What to watch for after your young child's concussion

1. Symptoms may worsen or new ones may appear over the first 48 hours.
2. Your child may not know they have symptoms until they try to do their normal activities.
3. Most children feel better within about two weeks. If your child does not, they may need to see a specialist.

What to do in the first few days

1. Have your child take it easy in a quiet environment. When symptoms are more severe:

- Limit cognitive (thinking or remembering) and physical activities to allow the brain to heal.
- Avoid excessive screen time (watching TV or looking at a cell phone or computer screen). Find relaxing activities at home, such as drawing and playing with toys.
- Slowly resume normal activity, as long as symptoms do not get worse.

2. Your child may slowly return to regular (nonstrenuous) activities as they start to feel better. During this time, encourage them to:

- Spend time outside, such as taking short walks.
- Get as much sleep as possible at night.
- Take fewer daytime naps or return to their daytime nap schedule (as appropriate for their age).

3. As symptoms improve, you may:

- Encourage outside time.
- Return your child to their regular schedule.
- Have your child take breaks if their symptoms worsen. If you notice any changes, call your child's doctor.

Important tips

1. **Make an appointment with your child's primary care doctor (PCP) as soon as possible.** Keep the appointment even if your child starts to feel better. Your child's doctor will track their recovery and advise you on their safe return to school and sports or play activities.
2. **Avoid waking up your child at night to check on them.** Your child's brain needs to rest and get as much sleep as possible in the first few days after a concussion.
3. **Have your child eat a healthy diet and drink more clear fluids (like water) than normal.** Even though your child may not feel like eating, offer small amounts of food and fluids every three to four hours and before bed.
4. **Give acetaminophen (Tylenol) or ibuprofen (Motrin or Advil) for pain if advised by your child's doctor.**

Helping your child safely return to day care or school

Your child may:

- Need to take a short time off from day care or school right after the concussion, but it is not necessary for a child to be 100 percent symptom-free before returning to school. Multiple absences from school and prolonged inactivity after a concussion are discouraged.
- Return to day care or school with accommodations even if they still have symptoms. Accommodations are changes to your child's normal schedule and activities that are supported by the school. For most children, only short-term changes are needed.

Please note: returning to day care or school does not mean returning to play. Your child should not return to play outside or go to PE or recess until their doctor says it is OK.

Helping your child safely return to sports and play

1. Your child should **not** return to sports and play on the same day of the injury.
2. Your child's doctor will let you know when it is OK for your child to **return to sports**.
3. The Children's Healthcare of Atlanta Sports Medicine team has **return to play (RTP) instructions** for 11 sports on choa.org. The stages vary depending on the sport.

See the separate [return to play](#) instructions for more information.

When to seek help right away

If you cannot reach your doctor right away, return to the emergency department if your child:

- Has more headaches or neck pain
- Is hard to wake up
- Vomits more than two times in 24 hours
- Has unusual behavior or seems confused, restless or agitated
- Cannot think clearly or remember things
- Has slurred speech, weakness, or numbness, or does not move like normal
- Cannot recognize people or places
- Has convulsions or seizures
- Passes out

Have questions? Call the Children's Concussion Program nurse

Speak with our Concussion Program nurse for advice and help if you cannot reach your doctor. Our nurses can also help you schedule an appointment if your child needs to see a Children's concussion specialist.

1. Call **404-785-KIDS (5437) Monday through Friday from 8 a.m. to 4 p.m.**
2. Visit choa.org/concussion for more education and return to learn/play instructions.
3. You can also find information at cdc.gov/headsup (Centers for Disease Control and Prevention).