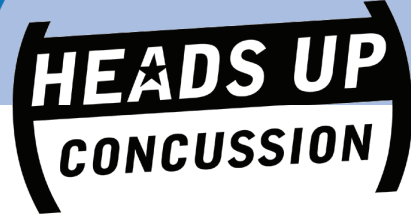


CONCUSSION INFORMATION SHEET



This sheet has information to help protect your children or teens from concussion or other serious brain injury. Use this information at your children's or teens' games and practices to learn how to spot a concussion and what to do if a concussion occurs.

WHAT IS A CONCUSSION?

A concussion is a type of traumatic brain injury—or TBI—caused by a bump, blow, or jolt to the head or by a hit to the body that causes the head and brain to move quickly back and forth. This fast movement can cause the brain to bounce around or twist in the skull, creating chemical changes in the brain and sometimes stretching and damaging the brain cells.

Iowa law regarding concussions and return to extra curricular activities for students in grades 7-12:

Iowa Code Section 280.13C Brain Injury Policies:

- (1) A child must be immediately removed from participation (practice or competition) if his/her coach or a contest official observes signs, symptoms or behaviors consistent with a concussion or brain injury in an extracurricular interscholastic activity.
- (2) A child may not participate again until a licensed health care provider trained in the evaluation and management of concussions and other brain injuries has evaluated him/her and the student has received written clearance from that person to return to participation.
- (3) Key definitions:
"Licensed health care provider" means a physician, physician assistant, chiropractor, advanced registered nurse practitioner, nurse, physical therapist or athletic trainer licensed by a board.
"Extracurricular interscholastic activity" means any extracurricular interscholastic activity, contest or practice, including sports, dance or cheerleading.

HOW CAN I SPOT A POSSIBLE CONCUSSION?

Children and teens who show or report one or more of the signs and symptoms listed below—or simply say they just "don't feel right" after a bump, blow, or jolt to the head or body—may have a concussion or other serious brain injury.

SIGNS OBSERVED BY PARENTS OR COACHES

- Appears dazed or stunned.
- Forgets an instruction, is confused about an assignment or position, or is unsure of the 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 or after a hit or fall.

SYMPTOMS REPORTED BY CHILDREN AND TEENS

- Headache or "pressure" in head.
- Nausea or vomiting.
- Balance problems or dizziness, or double or blurry vision.
- Bothered by light or noise.
- Feeling sluggish, hazy, foggy, or groggy.
- Confusion, or concentration or memory problems.
- Just not "feeling right," or "feeling down."

WHAT ARE SOME MORE SERIOUS DANGER SIGNS TO LOOK OUT FOR?

In rare cases, a dangerous collection of blood (hematoma) may form on the brain after a bump, blow, or jolt to the head or body and can squeeze the brain against the skull. Call 9-1-1 or take your child or teen to the emergency department right away if, after a bump, blow, or jolt to the head or body, he or she has one or more of these danger signs:

- One pupil larger than the other.
- Drowsiness or inability to wake up.
- A headache that gets worse and does not go away.
- Slurred speech, weakness, numbness, or decreased coordination.
- Repeated vomiting or nausea, convulsions or seizures (shaking or twitching).
- Unusual behavior, increased confusion, restlessness, or agitation.
- Loss of consciousness (passed out/knocked out). Even a brief loss of consciousness should be taken seriously.

WHAT SHOULD I DO IF MY CHILD OR TEEN HAS A POSSIBLE CONCUSSION?

As a parent, if you think your child or teen may have a concussion, you should:

1. Remove your child or teen from play.
2. Keep your child or teen out of play the day of the injury. Your child or teen should be seen by a health care provider and only return to play with permission from a health care provider who is experienced in evaluating for concussion.
3. Ask your child's or teen's health care provider for written instructions on helping your child or teen return to school. You can give the instructions to your child's or teen's school nurse and teacher(s) and return-to-play instructions to the coach and/or athletic trainer.

Do not try to judge the severity of the injury yourself. Only a health care provider should assess a child or teen for a possible concussion. Concussion signs and symptoms often show up soon after the injury. But you may not know how serious the concussion is at first, and some symptoms may not show up for hours or days. The brain needs time to heal after a concussion. A child's or teen's return to school and sports should be a gradual process that is carefully managed and monitored by a health care provider.

HOW CAN I HELP KEEP MY CHILDREN OR TEENS SAFE?

Sports are a great way for children and teens to stay healthy and can help them do well in school. To help lower your children's or teens' chances of getting a concussion or other serious brain injury, you should:

- Help create a culture of safety for the team.
 - » Work with their coach to teach ways to lower the chances of getting a concussion.
 - » Talk with your children or teens about concussion and ask if they have concerns about reporting a concussion. Talk with them about their concerns; emphasize the importance of reporting concussions and taking time to recover from one.
 - » Ensure that they follow their coach's rules for safety and the rules of the sport.
 - » Tell your children or teens that you expect them to practice good sportsmanship at all times.
- When appropriate for the sport or activity, teach your children or teens that they must wear a helmet to lower the chances of the most serious types of brain or head injury. However, there is no "concussion-proof" helmet. So, even with a helmet, it is important for children and teens to avoid hits to the head.

ImpACT (Immediate Post Concussion Assessment and Cognitive Testing) may be used by your health provider to assist him/her in diagnosing and managing your child's concussion. The computerized test evaluates memory, reaction time, speed and concentration.

The test is given as soon as possible after a concussion at a health provider's office. McCrary-Rost Clinic providers trained in ImpACT testing are: Danni Anderson, PA-C, Lake City (712) 464-6481, Tonja Petersen-Anderson, ARNP-C, Rockwell City (712) 297-8989, Megan Grodahl, PA-C, Lake City (712) 464-6481.

Stewart Memorial Community Hospital has provided baseline ImpACT testing (to be compared with post-concussion data) to students at South Central Calhoun. You may contact Stewart Memorial Community Hospital Rehabilitation Services at (712) 464-4244 to get a copy of your student's baseline ImpACT test if you prefer to use another ImpACT trained provider.

If your child did not participate in the baseline testing program, the ImpACT test can still be administered and normative data will be used to compare to other students their age.

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