Concussion and Sports

What is a concussion?

- A concussion, also known as a mild traumatic brain injury (MTBI), is caused by a bump, blow, or jolt to either the head or the body that causes the brain to move rapidly inside the skull. A concussion changes how the brain normally functions.
- Concussions can have serious and long-term health effects, and even a seemingly mild ‘ding’ or a bump on the head can be serious.
- Signs and symptoms of concussion include headache, nausea, fatigue, confusion or memory problems, sleep disturbances, or mood changes; symptoms are typically noticed right after the injury, but some might not be recognized until days or weeks later.

In what sports are concussions most often reported?

- Among high school athletes, concussions are most often caused by contact with an opponent, a teammate, the ground, or a piece of equipment or object in the playing area.3
- In organized high school sports, concussions occur more often in competitive sports, with football accounting for more than 60% of concussions.4
- For males, the leading cause of high school sports concussion is football; for females, the leading cause of high school sports concussion is soccer.4
- Among children and youth ages 5-18 years, the five leading sports or recreational activities which account for concussions include: bicycling, football, basketball, playground activities, and soccer.2

How many sports concussions occur each year?

- An estimated 1.6-3.8 million sports- and recreation-related concussions occur in the United States each year.1
- During 2001-2005, children and youth ages 5-18 years accounted for 2.4 million sports-related emergency department (ED) visits annually, of which 6% (135,000) involved a concussion.2
What is known about sports concussion risk and recovery?

- High school athletes’ recovery times for a sports concussion are longer than college athletes’ recovery times.\(^5\)
- High school athletes who sustain a concussion are three times more likely to sustain a second concussion.\(^3\)
- Lack of proper diagnosis and management of concussion may result in serious long-term consequences, or risk of coma or death.\(^6,7\)

How can sports concussions be prevented?

Make sure that while participating in sports or recreational activities you or your children:

- Use the right protective equipment for the sport or activity, and be sure that it is properly fitted and maintained and worn correctly and consistently.
- Follow safety rules and those for the sport.
- Practice good sportsmanship at all times.

What should you do if you think you or your child has had a concussion?

- Seek medical attention right away.  
  – A health care professional will be able to decide when it is safe to return to sports.
- Do not return to play with a known or suspected concussion until evaluated and given permission by an appropriate health care professional.  
  – Second concussions that occur before you have recovered can be very serious.
- Tell your coach or child’s coach about any recent concussions.

References:


It is better to miss one game than the whole season.