



# Concussion Information Sheet



## **Why am I getting this information sheet?**

You are receiving this information sheet about concussions because of California state law AB 25 (effective January 1, 2012), now Education Code § 49475:

1. The law requires a student athlete who may have a concussion during a practice or game to be removed from the activity for the remainder of the day.
2. Any athlete removed for this reason must receive a written note from a medical doctor trained in the management of concussion before returning to practice.
3. Before an athlete can start the season and begin practice in a sport, a concussion information sheet must be signed and returned to the school by the athlete and the parent or guardian.

Every 2 years all coaches are required to receive training about concussions (AB 1451), as well as certification in First Aid training, CPR, and AEDs (life-saving electrical devices that can be used during CPR).

## **What is a concussion and how would I recognize one?**

A concussion is a kind of brain injury. It can be caused by a bump or hit to the head, or by a blow to another part of the body with the force that shakes the head. Concussions can appear in any sport, and can look differently in each person.

Most concussions get better with rest and over 90% of athletes fully recover, but, all concussions are serious and may result in serious problems including brain damage and even death, if not recognized and managed the right way.

Most concussions occur without being knocked out. Signs and symptoms of concussion (see back of this page) may show up right after the injury or can take hours to appear. If your child reports any symptoms of concussion or if you notice some symptoms and signs, seek medical evaluation from your team's athletic trainer and a medical doctor trained in the evaluation and management of concussion. If your child is vomiting, has a severe headache, is having difficulty staying awake or answering simple questions, he or she should be immediately taken to the emergency department of your local hospital.

On the CIF website is a ***Graded Concussion Symptom Checklist***. If your child fills this out after having had a concussion, it helps the doctor, athletic trainer or coach understand how he or she is feeling and hopefully shows progress. We ask that you have your child fill out the checklist at the start of the season even before a concussion has occurred so that we can understand if some symptoms such as headache might be a part of his or her everyday life. We call this a "baseline" so that we know what symptoms are normal and common. Keep a copy for your records, and turn in the original. If a concussion occurs, he or she should fill out this checklist daily. This Graded Symptom Checklist provides a list of symptoms to compare over time to make sure the athlete is recovering from the concussion.

## **What can happen if my child keeps playing with concussion symptoms or returns too soon after getting a concussion?**

Athletes with the signs and symptoms of concussion should be removed from play immediately. There is NO same day return to play for a youth with a suspected concussion. Youth athletes may take more time to recover from concussion and are more prone to long-term serious problems from a concussion.

Even though a traditional brain scan (e.g., MRI or CT) may be "normal", the brain has still been injured. Animal and human studies show that a second blow before the brain has recovered can result in serious damage to the brain. If your athlete suffers another concussion before completely recovering from the first one, this can lead to prolonged recovery (weeks to months), or even to severe brain swelling (Second Impact Syndrome) with devastating consequences.

There is an increasing concern that head impact exposure and recurrent concussions contribute to long-term neurological problems. One goal of this concussion program is to prevent a too early return to play so that serious brain damage can be prevented.

### Signs observed by teammates, parents and coaches include:

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|---|--|
| <input type="checkbox"/> Looks dizzy<br><input type="checkbox"/> Looks spaced out<br><input type="checkbox"/> Confused about plays<br><input type="checkbox"/> Forgets plays<br><input type="checkbox"/> Is unsure of game, score, or opponent<br><input type="checkbox"/> Moves clumsily or awkwardly<br><input type="checkbox"/> Answers questions slowly | <input type="checkbox"/> Slurred speech<br><input type="checkbox"/> Shows a change in personality or way of acting<br><input type="checkbox"/> Can't recall events before or after the injury<br><input type="checkbox"/> Seizures or has a fit<br><input type="checkbox"/> Any change in typical behavior or personality<br><input type="checkbox"/> Passes out |
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### Symptoms may include one or more of the following:

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|---|---|
| <input type="checkbox"/> Headaches<br><input type="checkbox"/> "Pressure in head"<br><input type="checkbox"/> Nausea or throws up<br><input type="checkbox"/> Neck pain<br><input type="checkbox"/> Has trouble standing or walking<br><input type="checkbox"/> Blurred, double, or fuzzy vision<br><input type="checkbox"/> Bothered by light or noise<br><input type="checkbox"/> Feeling sluggish or slowed down<br><input type="checkbox"/> Feeling foggy or groggy<br><input type="checkbox"/> Drowsiness<br><input type="checkbox"/> Change in sleep patterns | <input type="checkbox"/> Loss of memory<br><input type="checkbox"/> "Don't feel right"<br><input type="checkbox"/> Tired or low energy<br><input type="checkbox"/> Sadness<br><input type="checkbox"/> Nervousness or feeling on edge<br><input type="checkbox"/> Irritability<br><input type="checkbox"/> More emotional<br><input type="checkbox"/> Confused<br><input type="checkbox"/> Concentration or memory problems<br><input type="checkbox"/> Repeating the same question/comment |
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### What is Return to Learn?

Following a concussion, student athletes may have difficulties with short- and long-term memory, concentration and organization. They will require rest while recovering from injury (e.g., avoid reading, texting, video games, loud movies), and may even need to stay home from school for a few days. As they return to school, the schedule might need to start with a few classes or a half-day depending on how they feel. They may also benefit from a formal school assessment for limited attendance or homework such as reduced class schedule if recovery from a concussion is taking longer than expected. Your school or doctor can help suggest and make these changes. Student athletes should complete the Return to Learn guidelines and return to complete school before beginning any sports or physical activities. Go to the CIF website (cifstate.org) for more information on Return to Learn.

### How is Return to Play (RTP) determined?

Concussion symptoms should be completely gone before returning to competition. A RTP progression involves a gradual, stepwise increase in physical effort, sports-specific activities and the risk for contact. If symptoms occur with activity, the progression should be stopped. If there are no symptoms the next day, exercise can be restarted at the previous stage.

RTP after concussion should occur only with medical clearance from a medical doctor trained in the evaluation and management of concussions, and a step-wise progression program monitored by an athletic trainer, coach, or other identified school administrator. Please see cifstate.org for a graduated return to play plan. [AB 2127, a California state law that became effective 1/1/15, states that return to play (i.e., full competition) must be **no sooner** than 7 days after the concussion diagnosis has been made by a physician.]

### Final Thoughts for Parents and Guardians:

**It is well known that high school athletes will often not talk about signs of concussions, which is why this information sheet is so important to review with them. Teach your child to tell the coaching staff if he or she experiences such symptoms, or if he or she suspects that a teammate has suffered a concussion. You should also feel comfortable talking to the coaches or athletic trainer about possible concussion signs and symptoms.**

#### References:

- American Medical Society for Sports Medicine position statement: concussion in sport (2013)
- Consensus statement on concussion in sport: the 4th International Conference on Concussion in Sport held in Zurich, November 2012  
 <http://www.cdc.gov/concussion/HeadsUp/youth.html>

## CIF Concussion Return to Play (RTP) Protocol

CA STATE LAW AB 2127 (EFFECTIVE 1/1/15) STATES THAT RETURN TO PLAY (I.E., COMPETITION) CANNOT BE SOONER THAN 7 DAYS AFTER EVALUATION BY THE PHYSICIAN (MD/DO) WHO HAS MADE THE DIAGNOSIS OF CONCUSSION.

<b>Part A</b>				
<b><u>You must have a written physician (MD/DO) clearance to begin and progress through the following stages</u></b>				
INITIAL	STAGE	ACTIVITY	EXERCISE EXAMPLE	OBJECTIVE OF STAGE
	<b>I</b>	No physical activity for at least 2 full symptom-free days <u>AFTER</u> you have seen a physician	<ul style="list-style-type: none"> <li>No activities requiring exertion (weight lifting, jogging, P.E. classes)</li> </ul>	<ul style="list-style-type: none"> <li>Recovery and elimination of symptoms</li> </ul>
	<b>II-A</b>	Light aerobic activity	<ul style="list-style-type: none"> <li>10-15 minutes of walking stationary or biking.</li> <li><b>Must be performed under <i>direct supervision</i> of designated individual</b></li> </ul>	<ul style="list-style-type: none"> <li>Increase heart rate to no more than 50% of perceived maximum exertion</li> <li>Monitor for symptom return</li> </ul>
	<b>II-B</b>	Moderate aerobic activity (light resistance training)	<ul style="list-style-type: none"> <li>20-30 minutes jogging or stationary biking</li> <li>Body weight exercises (squats, planks, push-ups), max 1 set of 10, no more than 10 minutes total</li> </ul>	<ul style="list-style-type: none"> <li>Increase heart rate to 50-75% maximum exertion</li> <li>Monitor for symptom return</li> </ul>
	<b>II-C</b>	Strenuous aerobic activity (Moderate resistance training)	<ul style="list-style-type: none"> <li>30-45 minutes running or stationary biking</li> <li>Weightlifting less than 50% of maximum weight</li> </ul>	<ul style="list-style-type: none"> <li>Increase heart rate to more than 75% maximum exertion</li> <li>Monitor for symptom return</li> </ul>
	<b>II-D</b>	Non-contact training with sport-specific drills (no restrictions for weightlifting)	<ul style="list-style-type: none"> <li>Non-contact drills, sport-specific activities (cutting, jumping, sprinting)</li> <li>No contact with people, padding or the floor/mat</li> </ul>	<ul style="list-style-type: none"> <li>Add total body movement</li> <li>Monitor for symptom return</li> </ul>

<b>Part B</b>				
<b><u>Minimum of 6 days to pass stages I and II. After successful completion, please make sure that the written physician (MD/DO) clearance for return to play has been given to your school's concussion monitor</u></b>				
	<b>III</b>	Limited contact practice	<ul style="list-style-type: none"> <li>Controlled contact drills allowed (no scrimmaging)</li> </ul>	<ul style="list-style-type: none"> <li>Increase acceleration, deceleration and rotational forces</li> </ul>
		Full contact practice Full unrestricted practice	<ul style="list-style-type: none"> <li>Return to normal training, with contact</li> <li>Return to normal unrestricted training</li> </ul>	<ul style="list-style-type: none"> <li>Restore confidence, assess readiness for return to play</li> <li>Monitor for symptom return</li> </ul>

<b>Part C</b>				
<b><u>MANDATORY: You must complete at least ONE contact practice before return to competition. If no-contact sport, ONE unrestricted practice.</u></b>				
	<b>IV</b>	Return to Play (competition)	<ul style="list-style-type: none"> <li>Normal game play (competitive event)</li> </ul>	<ul style="list-style-type: none"> <li>Return to full sports activity without restrictions</li> </ul>

**Athlete's Name:** \_\_\_\_\_ **Date of Diagnosis:** \_\_\_\_\_

# Return To Play Instructions

- This *graduated return to play protocol* **MUST** be completed **before** you can return to FULL COMPETITION.
  - A Physician must monitor your progress and initial each stage after you successfully pass it.
  - Stages I to II-D take a *minimum* of 6 days to complete. **(PART A)**
  - You must be back to normal academic activities before beginning Stage II. **(PART B)**
  - You must complete one full practice *without restrictions* (Stage III) before competing in first game. **(PART C)**
- After Stage I, you cannot progress more than one stage per day (or longer is instructed by physician).
- If symptoms return at any stage in the progression, IMMEDIATELY STOP any physical activity and follow up with your school's AT, other identified concussion monitor, or your physician. In general, if you are symptom-free the next day, return to previous stage where symptoms had not occurred.
- Seek further medical attention if you cannot pass a stage after 3 attempts due to concussion symptoms, or if you feel uncomfortable at any time during progression.