



Hawaii State Department of Education Concussion Management Program and Study for School Year _____

The Hawaii State Department of Education (DOE) and the Athletic Health Care Trainers' (AHCT) program have instituted a Concussion Management Program (CMP) to ensure student athletes return to athletic participation safely. CMP has aligned the AHCT program with the National Athletic Trainers' Association Position Statement, 2004¹; the Consensus Statement on Concussion in Sport, 2009²; and the National Federation of State High School Association (NFHS) Concussion Guidelines, 2009³. The National Athletic Trainers' Association Position Statement, Consensus Statement on Concussion in Sport, and the NFHS Association Concussion Guidelines were developed by physicians, neuropsychologists, and AHCTs trained in concussion management. The NFHS Association established a new rule in the fall of 2010, ***“any player who shows signs, symptoms or behaviors associated with a concussion must be removed from the game and shall not return to play until cleared by an appropriate health-care professional.”***⁴

To comply with the NFHS Association rule change and national guidelines, the DOE and AHCT program have instituted the following guidelines for all student athletes participating in collision and contact sports. All ninth and eleventh grade student athletes participating in collision and contact sports along with tenth and twelfth grade student athletes participating in collision and contact sports for the first time will be administered baseline assessments (described below) which will provide the high school AHCT and the student athlete's primary care physician with objective information to compare pre-and-post injury.

- Graded Symptom Checklist baseline assessment
- Cognitive status baseline assessment (Immediate Post-Concussion Assessment and Cognitive Test (ImPACT) or Standard Assessment of Concussion (SAC))
- Postural Stability baseline assessment

A student athlete with a possible concussion, will receive two forms: (1) ***Graded Symptom Checklist for Concussed Athlete*** (GSC List) and (2) ***Medical Referral Form for Concussed Athlete***. The GSC List form provides your child's symptoms at the time of injury. It also includes signs and symptoms to watch for and recovery recommendations. The medical referral form provides information for your child's physician regarding his/her head injury and recommendations for return to activity. After a student athlete takes the cognitive status assessments, the AHCT will collaborate with the student athlete's physician and/or a neuropsychologist to determine if the student athlete is ready to start a **Return to Activity Plan** (see below). This team approach ensures the health and safety of each concussed student athlete.

Return to Activity Plan (RAP) or Return to Play (RTP):

- Step 1 Complete cognitive rest. This may include staying home from school or limiting school hours and study for several days which would be determined by a physician or AHCT and supported by school administration. Activities requiring concentration and attention may worsen symptoms and delay recovery.
- Step 2 Return to school full time.
- Steps 3-7 Will be supervised by the high school AHCT. (***Each step is separated by a minimum of at least 24 hours.***)
- Step 3 Light exercise. This step cannot begin until student athlete is cleared by the treating physician for further activity. At this point, the student athlete may begin walking or riding a stationary bike.
- Step 4 Running in the gym or on the field.
- Step 5 Non-contact training drills in full equipment. Weight training can begin.
- Step 6 Full contact practice or training.
- Step 7 Play in game.

The AHCT program will continually monitor its CMP to ensure the health and safety of Hawaii's student athletes. To assist the AHCT program in its CMP monitoring, the DOE will be conducting a study to ensure CMP quality.

By signing below, you acknowledge receipt of information about the DOE's CMP and the signs and symptoms of a concussion.

(Parent/Guardian or Adult Student Signature)

(Date)

(Student Athlete Signature)

(Date)

Concussion Management Study (Voluntary)

Participation in this school year's Concussion Management Study is strictly voluntary and your child will not be penalized if he/she elects not to participate. By agreeing to participate in this study, your student athlete's concussion data will be included in the study. Concussed student athlete's injury will be managed whether he/she participates or not in this study. Personal identification information will not be disclosed and will be destroyed at the end of the study.

I, _____ the parent/guardian of _____,
(Parent/Guardian) (Name of Student Athlete)

Agree to allow my student athlete to participate in school year _____ Concussion Management Study.

Do not agree to allow my student athlete to participate in school year _____ Concussion Management Study.

(Parent/Guardian or Adult Student Signature)

(Date)

(Student Athlete Signature)

(Date)

References:

1. National Athletic Trainers' Association Position Statement. *JAT* 2004;39(3):280-297
2. Consensus Statement on Concussion in Sport. *Clin J Sport Med* 2009; 19:185-200
3. National Federation of State High School Association Concussion Guidelines, 2009
4. National Federation of State High School Association. New Rule Release March 4, 2010

**Hawaii State Department of Education
PHYSICAL EXAMINATION FOR ATHLETES**

Student's Name _____ M/F _____ Date of Birth ____/____/____ Grade _____
 (Print) Last First MI Month Day Year
 Address _____ Home Phone _____ Student Resides With _____
 Street No. City State Zip Code
 Fall Sport _____ Winter Sport _____ Spring Sport _____
 Father's/Guardian's Name _____ Bus. Phone _____ Cell or Pager _____
 Mother's/Guardian's Name _____ Bus. Phone _____ Cell or Pager _____
 Emergency Contact _____ Bus. Phone _____ Cell or Pager _____
 Name & Relationship _____
 Emergency Contact _____ Bus. Phone _____ Cell or Pager _____
 Name & Relationship _____
 Emergency Contact _____ Bus. Phone _____ Cell or Pager _____
 Name & Relationship _____
 Health and/or Insurance Carrier _____ Policy # _____

The student and parent/guardian consent and authorize school officials through an Athletic Health Care Trainer (AHCT), qualified coach/staff, or physician as determined by the school, to provide any first aid and/or emergency care as well as follow-up first aid or medical treatment that may be reasonably necessary for the student as determined by a school official in the course of athletic practice, competition or travel.

The student and parent/guardian further consent and authorize the school's AHCT to provide appropriate therapeutic modalities in order to return student to athletic competition, such care to be conducted under the direction of a physician.

The student and parent/guardian further consent and authorize the school's AHCT to administer baseline and/or post injury concussion management assessment in order to manage a concussion or suspected head trauma, such care to be conducted under the direction of a physician.

The student and parent/guardian hereby consent to the release of medical information by physician to school to obtain information regarding the medical history, records of injury or surgery, serious illness, and rehabilitation results of the student from his/her physician(s). We understand that the purpose of this request for medical information is to assist the school in the management or rehabilitation of an injury/illness. This information is confidential and except as provided in this release will not be otherwise released by the parties in charge of the information. This release remains valid until revoked by the adult student or parent/guardian in writing.

Signature of Student _____ Signature of Parent/Guardian _____ Date _____
 (parent/guardian fill out back side of this form)

To be completed by Physician only

Height _____ feet & inches Weight _____ lbs Blood Pressure ____/____/____ Pulse _____ bpm
 Vision: R 20/____ L 20/____ Corrected: Yes No Pupils: Equal ____ Unequal ____
 Asthma _____ (Medication Used) Diabetes _____ (Medication Used) Allergies _____ (Medication Used)

| MEDICAL | NORMAL | COMMENTS | INITIALS |
|------------------------|--------|----------|----------|
| Appearance | | | |
| Eyes/ears/nose/throat | | | |
| Hearing | | | |
| Lymph nodes | | | |
| Heart/Murmurs | | | |
| Pulses | | | |
| Lungs | | | |
| Abdomen | | | |
| Skin | | | |
| Genitalia | | | |
| MUSCULOSKELETAL | | | |
| Neck | | | |
| Back/Spine | | | |
| Shoulder/arm | | | |
| Elbow/forearm | | | |
| Wrist/hand/fingers | | | |
| Hip/thigh | | | |
| Knee | | | |
| Calf/ankle | | | |
| Foot/toes | | | |
| Other | | | |

Parent/Guardian and Student to fill out before Physical Examination

Explain "Yes" answers below. Circle question you don't know the answer to.

| | Yes | No | | Yes | No |
|---|--------------------------|--------------------------|---|--------------------------|--------------------------|
| 1. Has a doctor ever denied or restricted your participation in sports for any reason? | <input type="checkbox"/> | <input type="checkbox"/> | 25. Do you cough, wheeze or have difficulty breathing during or after exercise? | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Do you have an ongoing medical condition (like diabetes or asthma)? | <input type="checkbox"/> | <input type="checkbox"/> | 26. Have you ever used an inhaler or taken asthma medicine? | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Are you currently taking any prescription or nonprescription (over the counter) medicines or pills? | <input type="checkbox"/> | <input type="checkbox"/> | 27. Were you born without or are you missing a kidney, an eye, a testicle, or any other organ? | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Do you have allergies to medicines, pollens, foods or stinging insects? | <input type="checkbox"/> | <input type="checkbox"/> | 28. Have you had infectious mononucleosis (mono) within the last month? | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. Have you ever passed out or nearly passed out DURING exercise? | <input type="checkbox"/> | <input type="checkbox"/> | 29. Do you have any rashes, pressure sores, or other skin problems? | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. Have you ever passed out or nearly passed out AFTER exercise? | <input type="checkbox"/> | <input type="checkbox"/> | 30. Have you had a herpes skin infection? | <input type="checkbox"/> | <input type="checkbox"/> |
| 7. Have you ever had discomfort, pain or pressure in your chest during exercise? | <input type="checkbox"/> | <input type="checkbox"/> | 31. Have you ever had a head injury or concussion? | <input type="checkbox"/> | <input type="checkbox"/> |
| 8. Does your heart race or skip beats during exercise? | <input type="checkbox"/> | <input type="checkbox"/> | 32. Have you been hit in the head and been confused or lost your memory? | <input type="checkbox"/> | <input type="checkbox"/> |
| 9. Has a doctor ever told you that you have: (circle all that apply) High blood pressure A heart murmur High Cholesterol A heart infection | <input type="checkbox"/> | <input type="checkbox"/> | 33. Have you ever had a seizure? | <input type="checkbox"/> | <input type="checkbox"/> |
| 10. Has a doctor ever ordered a test for your heart? (for example, ECG, echocardiogram) | <input type="checkbox"/> | <input type="checkbox"/> | 34. Do you have headaches with exercise? | <input type="checkbox"/> | <input type="checkbox"/> |
| 11. Has anyone in your family died for no apparent reason? | <input type="checkbox"/> | <input type="checkbox"/> | 35. Have you ever had numbness, tingling, or weakness in your arms or legs after being hit or falling? | <input type="checkbox"/> | <input type="checkbox"/> |
| 12. Does anyone in your family have a heart problem? | <input type="checkbox"/> | <input type="checkbox"/> | 36. Have you ever been unable to move your arms or legs after being hit or falling? | <input type="checkbox"/> | <input type="checkbox"/> |
| 13. Has any family member or relative died of heart problems or of sudden death before age 50? | <input type="checkbox"/> | <input type="checkbox"/> | 37. When exercising in the heat, do you have severe muscle cramps, or become ill? | <input type="checkbox"/> | <input type="checkbox"/> |
| 14. Has a family member died while exercising? | <input type="checkbox"/> | <input type="checkbox"/> | 38. Do you have any hearing problems? | <input type="checkbox"/> | <input type="checkbox"/> |
| 15. Does anyone in your family have Marfan Syndrome? | <input type="checkbox"/> | <input type="checkbox"/> | 39. Do you have a hearing device? | <input type="checkbox"/> | <input type="checkbox"/> |
| 16. Have you ever spent the night in a hospital? | <input type="checkbox"/> | <input type="checkbox"/> | 40. Do you have a family member with hearing problems? | <input type="checkbox"/> | <input type="checkbox"/> |
| 17. Have you ever had surgery? | <input type="checkbox"/> | <input type="checkbox"/> | 41. Has a doctor told you that you, or does someone in your family have sickle cell trait or sickle cell disease? | <input type="checkbox"/> | <input type="checkbox"/> |
| 18. Have you ever had an injury, like sprain, muscle or ligament tear, or tendonitis, that caused you to miss a practice or game? If yes, list affected area: _____ | <input type="checkbox"/> | <input type="checkbox"/> | 42. Have you had any problems with your eyes or vision? | <input type="checkbox"/> | <input type="checkbox"/> |
| 19. Have you had any broken or fractured bones or dislocated joints? If yes, list affected area: _____ | <input type="checkbox"/> | <input type="checkbox"/> | 43. Do you wear glasses or contact lenses? | <input type="checkbox"/> | <input type="checkbox"/> |
| 20. Have you had a bone or joint injury that required x-rays, MRI, CT, surgery, injections, rehabilitation, physical therapy, a brace, a cast, or crutches? If yes, list affected area: _____ | <input type="checkbox"/> | <input type="checkbox"/> | 44. Do you wear protective eyewear, such as goggles or a face shield? | <input type="checkbox"/> | <input type="checkbox"/> |
| 21. Have you ever had a stress fracture? | <input type="checkbox"/> | <input type="checkbox"/> | 45. Are you happy with your weight? | <input type="checkbox"/> | <input type="checkbox"/> |
| 22. Have you been told that you have or have you had an x-ray for atlantoaxial (neck) instability? | <input type="checkbox"/> | <input type="checkbox"/> | 46. Would you like to lose weight? | <input type="checkbox"/> | <input type="checkbox"/> |
| 23. Do you regularly use a brace or assistive device? | <input type="checkbox"/> | <input type="checkbox"/> | 47. Would you like to gain weight? | <input type="checkbox"/> | <input type="checkbox"/> |
| 24. Has a doctor ever told you that you have asthma or wheezing? | <input type="checkbox"/> | <input type="checkbox"/> | 48. Has anyone recommended you change your weight or eating habits? | <input type="checkbox"/> | <input type="checkbox"/> |
| EXPLAIN "YES" answers here: (Add additional pages if necessary) | | | 49. Do you limit or carefully control what you eat? | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | 50. Do you have any concerns that you would like to discuss with a doctor? | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | 51. Do you feel depressed? | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | 52. Do you have a history of multiple or long nosebleeds? | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | 53. MALES ONLY: Do you ever have or had swelling of your testicles or groin? | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | FEMALES ONLY | | |
| | | | 54. Have you ever had a menstrual period? | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | 55. How many periods have you had in the last 12 months? | _____ | _____ |

I hereby verify to the best of my knowledge that the answers which have been provided to the above questions are correct.

Signature of Student _____ Signature of Parent/Guardian _____ Date _____

Clearance: (Place a check in appropriate box below)

- Cleared for all sports
- Cleared after completing evaluation/rehabilitation for _____
- Not cleared for:
 - Collision (Football)
 - Contact (Baseball, Basketball, Cheerleading, Judo, Softball, Soccer, Volleyball, Wrestling)
 - Non contact Strenuous Moderately Strenuous Non-strenuous

Reason not cleared: _____

Physician's Recommendation _____
Name of Physician _____ **Date of Physical Exam** _____
Address _____ **Telephone** _____
Signature of Physician _____ **Fax Number** _____