

NCHSAA Concussion Injury History



Student-Athlete's Name:		Sport:	Male/Fema
Date of Birth: Da	te of Injury	y: School:	
Following the injury, did the	Circle	Duration (write number/	Comments
athlete experience:	one	circle appropriate)	
Loss of consciousness or	YES	seconds / minutes /	
unresponsiveness?	NO	hours	
Seizure or convulsive activity?	YES	seconds / minutes /	
	NO	hours	
Balance problems/unsteadiness?	YES	minutes / hrs / days /	
	NO	weeks /continues	
Dizziness?	YES	minutes / hrs / days /	
	NO	weeks /continues	
Headache?	YES	minutes / hrs / days /	
	NO	weeks /continues	
Nausea?	YES	minutes / hrs / days /	
	NO	weeks /continues	
Emotional Instability (abnormal	YES	minutes / hrs / days /	
laughing, crying, anger?)	NO	weeks/ continues	
Confusion?	YES	minutes / hrs / days /	
	NO	weeks /continues	
Difficulty concentrating?	YES	minutes / hrs / days /	
	NO	weeks /continues	
Vision problems?	YES	minutes / hrs / days /	
	NO	weeks /continues	
Other	YES	minutes / hrs / days /	
	NO	weeks /continues	
Describe how the injury occurred:			
Additional details:			

Name of person completing Injury Histo	ory:		
Contact Information: Phone Number:		Email:	

Injury History Section completed by: Licensed Athletic Trainer, First Responder, Coach, Parent, Other (Please Circle)

Rev June 2017



Licensed Health Care Provider Concussion Evaluation Recommendations



Licensed Health Care Providers (LHCP) are **STRONGLY ENCOURAGED** by the NCHSAA to have expertise and training in concussion management. LHCPs include the following individuals: Licensed Physician (MD/DO), Licensed Athletic Trainer (LAT), Licensed Physician Assistant (PA), Licensed Nurse Practitioner (NP), or Licensed Neuropsychologist.

Name of Athlete:		OOB:	Date of Evaluation:		
(MD/DO who is licensed cleared to resume full po Emergency Room and Ur	I under Article 1 of Chapter 90 of the General Statutes of Articipation in athletics. Due to the need to monitor concu gent Care physicians should not make clearance decisions of	ind has expertisessions for recurrent the time of fire	MMENDED to have input and signature from a physician se and training in concussion management) before being ence of signs & symptoms with cognitive or physical stress, st visit. All medical providers are encouraged to review the		
should refer to NC Sessi recommendations you se	on Law 2011-147, House Bill 792 Gfeller-Waller Concuss	ion <i>Awareness i</i> E) care plan (<u>htt</u>	scholastic athlete following a concussion injury. <i>Providers</i> Act for requirements for clearance, and please initial any p://www.cdc.gov/concussion/index.html) and the NCHSAA valuation.		
RETURN TO SCHOOL: PLEASE NOTE	 The North Carolina State Board of Education applearning and educational needs for students foll A sample of accommodations is found on the LI- 	owing a concuss	ion.		
SCHOOL (ACADEMICS):					
(LHCP identified	Date:				
below should check all recommendations that apply.)	to Learn Recommendations page. LHCP Initial:	(date) with acco Date:	mmodations as selected on the LHCP Concussion Return		
	☐ May return to school now with no accommodations r	ieeded. LHCP In	itial: Date:		
RETURN TO SPORTS: PLEASE NOTE	A step-by-step progression of physical and cognitive concussion has resolved, and that a student-athlete	can return to atl	nletics safely. The NCHSAA Concussion		
SPORTS & PHYSICAL EDUCATION:	completed in its entirety by any concussed student-athlete before they are released to full participation in athletics.				
(LHCP identified □ Not cleared for sports at this time. below should check □ Not cleared for physical education at this time.					
				all recommendations that apply.)	 May do light physical education that poses no risk of head trauma such (i.e. walking laps). May start RTP Protocol under appropriate monitoring and may return to PE activities after completion.
that apply.	☐ Must return to the examining LHCP for clearance before returning to sports/physical education.				
	☐ May start the RTP Protocol under monitoring of First I student-athlete through stage 4 and before beginning an additional office visit is not required unless otherw free of signs/symptoms after stage 5 is completed, the PLAY FORM before the student-athlete is allowed to the student of th	Responder. The stage 5 either exise indicated by the LHCP must the	examining LHCP must review progress of electronically, by phone, or in person and the LHCP. If the student-athlete has remained en sign the RETURN TO		
	May start the RTP Protocol under monitoring of <u>LHCP</u> office contact necessary unless required by examining sign the RETURN TO PLAY FORM before the student-	LHCP. If stude	nt-athlete remains free of signs/symptoms the LHCP must		
	Comment:				
			Date:		
Signature of MD, DO, I	AT, PA, NP, Neuropsychologist (Please Circle)				
Please Print Name					
Office Address			Phone Number		
The Licensed Health C	are Provider above has delegated aspects of the stu				
Signature of LAT AID F	PA-C, Neuropsychologist, First Responder (Please Circ		Date:		
		•			
			Phone Number		



Licensed Health Care Provider Concussion Return-To-Learn Recommendations



Licensed Health Care Providers (LHCP) are **STRONGLY ENCOURAGED** by the NCHSAA to have expertise and training in concussion management. LHCPs include the following individuals: Licensed Physician (MD/DO), Licensed Athletic Trainer (LAT), Licensed Physician Assistant (PA), Licensed Nurse Practitioner (NP), or Licensed Neuropsychologist.

Name of Athlete:	DOB:	Date:
Following a concussion, most individuals typically need some such as reading, watching TV or movies, playing video games worsen symptoms during the acute period after concussion recently concussed student-athlete. A Return-To-Learn police learning environment. Licensed Health Care Providers should and lower symptom burden. It is important to the review accommodations that may be beneficial.	 working/playing on the computer and/or Navigating academic requirements and a cy facilitates a gradual progression of cog d consider whether academic and school m 	texting require cognitive effort and car a school setting present a challenge to a nitive demand for student-athletes in a odifications may help expedite recovery
Educational accommodations that may be helpful are listed	below.	
Return to school with the following supports:		
Length of Day		
Shortened day. Recommended hours per d	ay until re-evaluated or (date)	
≤ 4 hours per day in class (consider alternating d		
Shortened classes (i.e. rest breaks during classes). Maximum class length of minute	es.
Use	class as a study hall in a quiet environment	
Check for the return of symptoms when doing ac	ctivities that require a lot of attention or co	oncentration.
Extra Time		
Allow extra time to complete coursework/assign	ments and tests.	
Take rest breaks during the day as needed (parti	cularly if symptoms recur).	
Homework		
Lessen homework by % per class, or	_ minutes/class; or to a maximum of	_ minutes nightly,
no more thanminutes continuous.		
Testing		
No significant classroom or standardized testing		
Limited classroom testing allowed. No more than		e.
Student is able to take quizzes or tests be		
Student able to take tests but should be		
Limit test and quiz taking to no more than one p	er day.	
May resume regular test taking.		
Vision		
Lessen screen time (SMART board, computer, vic		
than continuous minutes (with 5-10 minu		_
Print class notes and online assignments (14 font		up with online work.
Allow student to wear sunglasses or hat with bill	worn forward to reduce light exposure.	
Environment	alana (autaida af that un aus)	
Provide alternative setting during band or music		
Provide alternative setting during PE and/or rece Allow early class release for class transitions to r	•	ry (out of gym).
Provide alternative location to eat lunch outside		
Allow the use of earplugs when in noisy environ		
Anow the use of earplugs when in noisy environm Patient should not attend athletic practice	nent.	
Patient is allowed to be present but not participation	ata in practice limited to hours	
Patient is anowed to be present but not participate	ate in practice, inflited to flours	
Additional Recommendations:		
Additional Recommendations:		





NCHSAA Concussion Return to Play Protocol

*The NCHSAA Concussion Return to Play (RTP) Protocol is **REQUIRED** to be completed in its entirety for any concussed student-athlete before they are released to resume full participation in athletics. A step-by-step progression of physical and cognitive exertion is widely accepted as the appropriate approach to ensure a concussion has resolved, and that a student-athlete can return to athletics safely. The NCHSAA Concussion (RTP) Protocol has been designed using this step-by-step progression.

*The NCHSAA Concussion (RTP) Protocol can be monitored by any of the following Licensed Health Care Providers (LHCP): Licensed Physician (MD/DO), Licensed Athletic Trainer, Licensed Physician Assistant, Licensed Nurse Practitioner, or a Licensed Neuropsychologist. A First Responder may monitor the RTP Protocol if a LHCP is unavailable.

*After monitored completion of each stage without provocation/recurrence of signs and/or symptoms, a student-athlete is allowed to advance to the next stage of activity. The length of time for each stage is at least 24 hours.

Name of S	tudent- Athlete:		Sport:		Male/Female
DOB:	Date of Inju	ry:	Date Co	oncussion Diagnosed:	
STAGE	EXERCISE	GOAL	DATE COMPLETED	COMMENTS	MONITORED BY
1	20-30 min of cardio activity: walking, stationary bike.	Perceived intensity/exertion: Light Activity			
2	30 min of cardio activity: jogging at medium pace. Body weight resistance exercise (e.g. push-ups, lunge walks) with minimal head rotation x 25 each.	Perceived intensity/exertion: Moderate Activity			
3	30 minutes of cardio activity: running at fast pace, incorporate intervals. Increase repetitions of body weight resistance exercise (e.g. sit-ups, pushups, lunge walks) x 50 each. Sportspecific agility drills in three planes of movement.	Perceived intensity/exertion: Hard Activity, changes of direction with increased head and eye movement			
4	Participate in non-contact practice drills. Warm-up and stretch x 10 minutes. Intense, non-contact, sportspecific agility drills x 30-60 minutes.	Perceived intensity/exertion: High/Maximum Effort Activity			
First Responder Verification	If the RTP Protocol has been monitored progress of this student-athlete (S-A) this and that the S-A was cleared by the LHC	by a First Responder (FF ough stage 4 electronic	ally, by phone, or in pe	rson with the Licensed Health C	
5	Participate in full practice. If in a contact contact practice allowed.	-			
LHCP signs RTP Form	The LHCP overseeing the student-athlete Return to Play (RTP) Form MUST be sign after stage 5 the S-A MUST return to the	ed before the S-A is allo	wed to resume full par		
By signi	ividual who monitored the student-ating below, I attest that I have monitore	d the above named s	tudent-athlete's retu	ırn to play protocol through	-
	I Nurse Practitioner, Licensed Neuropsycho	ologist, or First Respond	er (Please Circle)		
				Approved for 2020-202	1 School Year



CONCUSSION RETURN TO PLAY FORM:



MEDICAL CLEARANCE RELEASING THE STUDENT-ATHLETE TO RESUME FULL PARTICIPATION IN ATHLETICS

This form must be signed by one of the following examining Licensed Health Care Providers (LHCP) identified in the Gfeller-Waller Concussion Awareness Act before the student-athlete is allowed to resume full participation in athletics: Licensed Physician (MD/DO), Licensed Athletic Trainer (LAT), Licensed Physician Assistant (PA), Licensed Nurse Practitioner (NP), or Licensed Neuropsychologist. This form must be signed by the student-athlete's parent/legal custodian giving their consent before their child resumes full participation in athletics.

Name of Student-Athlete:		Sport:	Male/Female
OOB:	Date of Injury:	Date Concuss	on Diagnosed:
and that the Return to Play	Protocol was monitored	by:	and treated for a concussion
	at		
(Print Name of Person	•	(Print Name	•
ree of all clinical signs and full exertional/physical the required NCHSAA Congive the above-named studies of the critical that the medical feet a concussion has application of the concussion of the concussion has applicated by the concussion of the concussion has applicated by the consed Physician Assisted Physician Assisted	d reports he/she is entire is tress and that the above cussion Return to Play Prodent-athlete consent to real professional ultimately propriate expertise and RECOMMENDS that ants, Licensed Nurse Pra	ly symptom-free at reservation of the concursion	athlete to return to athletics management. The NCHSAA, Licensed Athletic Trainers, their supervising physician
before signing this Return	<u>To Play Form, as per thei</u>	<u>r respective state statu</u>	<u>tes.</u>
Signature of Licensed Physician Licensed Nurse Practitioner, Lic			Date
Pl	ease Print Name		
Pl	ease Print Office Address		Phone Number
*******	*******	******	*******
Parent/Legal Custo	odian Consent for Their C	hild to Resume Full Par	ticipation in Athletics
am aware that the NCHS resuming full participation acknowledge that the Lice	AA REQUIRES the consen in athletics after havin ensed Health Care Provid their consent for my child	t of a child's parent or g been evaluated and er above has overseen I to resume full particip	legal custodian prior to them treated for a concussion. I the treatment of my child's ation in athletics. By signing
Signa	ture of Parent/Legal Custodian		Date
Please Print Nam	e and Relationship to Student-Athle	ete	

Rev: July 2021





Gfeller-Waller/NCHSAA Concussion Management Principles

Health and Safety Personnel

The NCHSAA <u>STRONGLY RECOMMENDS</u> that each individual listed below has both expertise and training in concussion management and that LATs, PAs, and NPs consult with their supervising physician before signing the Return To Play Form, as per their respective state statutes.

Licensed Physician**- An individual who has training in concussion management licensed to practice medicine (MD or DO) under Article 1 of Chapter 90 of the General Statutes.

Licensed Athletic Trainer (LAT)** - An individual who has is licensed under Article 34 of Chapter 90 of the General Statutes entitling them to perform the functions and duties of an athletic trainer.

Licensed Physician Assistant (PA)** – An individual who has is licensed under the provisions of G.S. 90-9.3 to perform medical acts, tasks, and functions as an assistant to a physician.

Licensed Nurse Practitioner (NP)** - Any nurse who has is licensed under the provisions of G.S. 90-18(14) to perform medical acts, tasks or functions.

Licensed Neuropsychologist** – An individual who has training in concussion management licensed under Article 18A of Chapter 90 of the General Statutes.

First Responder (FR) – An individual who has meets the requirements set forth by the North Carolina State Board of Education Policy ATHL-000.

** Licensed Health Care Provider as defined by the Gfeller-Waller Concussion Awareness Act.

Key Tenets of Concussion Management

- 1. No athlete with a suspected concussion is allowed return to practice or play the same day that his or her head injury occurred.
- 2. It is not feasible for a Licensed Health Care Provider (LHCP) to both diagnose an acute concussion and provide clearance on the same day.
- 3. Athletes should never return to play or practice if they still have ANY symptoms.
- 4. More than one evaluation is typically necessary for medical clearance for concussion. Due to the need to monitor concussions for recurrence of signs and symptoms with cognitive or physical stress, Emergency Room and Urgent Care physicians typically should not make clearance decisions at the time of first visit.
- 5. A concussion is a traumatic brain injury that can present in several ways and with a variety of signs, symptoms, and neurologic deficits that can present immediately or evolve over time.
- 6. Both academic and cognitive considerations should be addressed when managing a student-athlete with a concussion. The NC Dept. of Public Instruction now requires a "Return to Learn" plan for students with suspected head injury. Also, consider guidance on proper sleep hygiene, nutrition, and hydration.
- 7. The NCHSAA **STRONGLY RECOMMENDS** that all member school student-athletes have a Licensed Physician's (MD/DO) signature on the Return to Play Form and/or the Licensed Health Care Provider Concussion Evaluation Recommendations Form.

 Remember that the Licensed Physician (MD/DO) signing the RETURN TO PLAY FORM and/or the Licensed Health Care Provider Concussion Evaluation Medical Recommendation Form is required to be licensed under Article 1 of Chapter 90 of the General Statutes and have had training in concussion management.
- 8. The student-athlete must be completely symptom-free both at rest AND with cognitive stress, then with full physical exertion before being cleared to resume full participation in athletics (The NCHSAA Concussion Return to Play Protocol has been designed with this in mind).
- 9. A step-by-step progression of physical and cognitive exertion is widely accepted as the appropriate approach to ensure a concussion has resolved, and that a student-athlete can return to athletics safely. The NCHSAA Concussion Return to Play Protocol, therefore, has been designed using a step-by-step progression and is **REQUIRED** to be completed in its entirety for any concussed student-athlete before they are released to full participation in athletics.





NCHSAA Student-Athlete Concussion Management Algorithm

Licensed Health Care Providers (LHCP) are **STRONGLY ENCOURAGED** by the NCHSAA to have expertise and training in concussion management. LHCPs include the following individuals: Licensed Physician (MD/DO), Licensed Athletic Trainer (LAT), Licensed Physician Assistant (PA), Licensed Nurse Practitioner (NP), or Licensed Neuropsychologist.

Traumatic event or head injury occurs.

Student-athlete (S-A) has signs, symptoms, or behaviors of a concussion or is suspected to have sustained a concussion.

NCHSAA Concussion Injury History is completed.

Based on evaluation (S-A) is diagnosed with a concussion.

LHCP Concussion Evaluation Recommendations

- 1. LHCP cares for the S-A and/or delegates aspects of care to another individual.
- 2. Recommendations are selected for SCHOOL, SPORTS, and PE based on the evaluation findings.

LHCP Concussion Return-To-Learn Recommendations

- 1. LHCP selects educational accommodations for the S-A.
- 2. Evaluation Recommendations and Return-to Learn Recommendations are provided to appropriate school-based personnel and to the individual who will monitor the S-A's Concussion Return-to-Play Protocol.

NCHSAA Concussion Return to Play Protocol

The **NCHSAA Concussion Return to Play (RTP) Protocol** is **REQUIRED** to be completed in its entirety for any concussed S-A before they are released to resume full participation in athletics.

If the RTP Protocol is monitored by the <u>Licensed Athletic Trainer (LAT)</u>, or other <u>LHCP</u>, through stage 5 no office contact is necessary unless required by examining LHCP. Office contact, if required, may be made electronically, by phone, or in person to review the S-A's progress. The LAT, or other LHCP, notifies the examining LHCP that the S-A remained asymptomatic after stage 5 is completed, if required to do so.

If the RTP Protocol has been monitored by a <u>First Responder (FR)</u> then the FR must sign attesting that they reviewed the progress of the S-A through stage 4 electronically, by phone, or in person with the LHCP and that the S-A was cleared by the LHCP to complete stage 5. The LHCP overseeing the S-A's care is notified that the S-A remained asymptomatic after stage 5 is completed.

If signs or symptoms occur after stage 5 the S-A MUST return to the LHCP overseeing the S-A's care.

Please refer to the Concussion Gradual Return-to-Play Protocol FAQ for additional guidance.

NCHSAA RETURN TO PLAY FORM

Licensed Health Care Provider: Must sign the Return to Play Form before the S-A is allowed to resume full participation in athletics.

Parent/Legal Custodian: Must sign Return to Play Form giving consent for their child to resume full

participation in athletics before the child is allowed to resume full participation in athletics.

Athlete Resumes Full Participation in Athletics





Concussion Gradual Return-to-Play (RTP) Protocol FAQ

Who must go through the RTP Protocol?

All student-athletes diagnosed with a concussion are required to complete a Return-to-Play Protocol that proceeds in a step-by-step fashion with gradual, progressive stages.

Can a student-athlete engage in physical activity/exercise prior to starting Stage 1?

A qualified yes; keeping in mind that the physical activity/exercise should involve **NO** risk of head trauma and <u>should occur only under direct orders of the treating Licensed Health Care Provider (LHCP) who has evaluated the student-athlete. This light exertion can be started before a student-athlete is entirely asymptomatic. There is evidence that "sub-symptom threshold exercise" (i.e. light exertion that does not cause new or worsen existing symptoms) is safe and may be helpful in concussion recovery.</u>

How will I know if the student-athlete is symptom free and ready to begin the RTP Protocol?

Once a student-athlete is completely free of both documented clinical signs and symptoms at rest and classroom induced signs and symptoms (caused by cognitive stimulation such as reading, computer work, and schoolwork) a gradual Return-to-Play (RTP) progression can be started.

Who can monitor the RTP Protocol?

LHCPs which includes the following individuals: Licensed Physician (MD/DO), Licensed Athletic Trainer (LAT), Licensed Physician Assistant (PA), Licensed Nurse Practitioner (NP), or Licensed Neuropsychologist who has examined the student-athlete can monitor the student-athlete. If one of these LHCPs is not accessible, the school's first responder may monitor the RTP.

How long is a stage?

The length of time for each stage is at least 24 hours.

What activities are included in the RTP Protocol stages?

The RTP Protocol begins with light aerobic exercise designed only to increase your heart rate (e.g. stationary bicycle), then progresses to increasing heart rate with movement (e.g. running), then adds increased intensity and sport-specific movements requiring more levels of neuromuscular coordination and balance including non-contact drills and finally, full practice with controlled contact prior to final clearance to competition.

How does the student-athlete know if he/she is ready to advance to the next stage?

After monitored completion of each stage <u>without provocation/recurrence of signs and/or symptoms</u>, a student-athlete is allowed to advance to the next stage of activity.

What should the student-athlete do if signs and/or symptoms return?

If signs/symptoms occur with exercise, the student-athlete should stop and rest. Once free of signs/symptoms for 24 hours, the student-athlete returns to the previously completed stage of the protocol that was completed without recurrence of signs/symptoms and progresses forward in the protocol. During this process, it is important that student-athletes pay careful attention to note any return of concussion signs/symptoms (headache, dizziness, vision problems, lack of coordination, etc.) both during and/or in the minutes to hours after each stage. In the event that signs/symptoms are experienced, they should be reported to the individual monitoring the student-athlete's RTP Protocol.

What should be done if the student-athlete is unable to complete a stage successfully after two attempts?

If a student-athlete is unable to complete a stage twice without return of signs/symptoms, consultation with the treating LHCP who has examined the student-athlete is advised. A student-athlete should be progressed to the <u>next stage only if he/she does NOT experience</u> any signs/symptoms with the prior stage.

How long should the completed RTP Protocol form be kept on file?

The completed RTP Protocol form should remain on file at least until the student-athlete graduates from high school.





First Responder Quick Guide for Management of a Concussed Student-Athlete

Concussion Injury History is filled out on behalf of student-athlete (S-A).



S-A is referred to the Licensed Health Care Provider (LHCP) for evaluation.

LHCP Concussion Evaluation Recommendations and LHCP Concussion Return to Learn Recommendations completed by LHCP.

First Responder (FR) is selected by the LHCP to monitor the S-A's Return to Play Protocol.



RETURN TO PLAY (RTP) PROTOCOL

The RTP Protocol is monitored by the FR through stage 4. The FR must sign the FR Verification (between stage 4 and 5) attesting that they have reviewed the S-A's progress with the examining LHCP either electronically, by phone, or in person and that the S-A was cleared by the LHCP to complete stage 5.

The FR notifies the examining LHCP that the S-A remained asymptomatic after stage 5 is completed. If signs or symptoms occur after stage 5 the S-A **MUST** return to the LHCP overseeing the S-A's care.



RETURN TO PLAY FORM

The examining LHCP **MUST** sign the Return to Play (RTP) Form before the S-A is allowed to resume full participation in athletics. If signs or symptoms occur after stage 5 the S-A **MUST** return to the LHCP overseeing the S-A's care.

The student-athlete's parent/legal custodian **MUST** sign the RTP Form giving their consent before their child resumes full participation in athletics.



Athlete Resumes Full Participation in Athletics





Licensed Athletic Trainer Quick Guide for Management of a Concussed Student-Athlete

Concussion Injury History is filled out on behalf of student-athlete (S-A).



S-A is referred to the Licensed Health Care Provider (LHCP) for evaluation.

LHCP Concussion Evaluation Recommendations and LHCP Concussion Return to Learn Recommendations completed by LHCP.

Licensed Athletic Trainer (LAT) is selected by the LHCP to monitor the S-A's Return to Play Protocol.



RETURN TO PLAY (RTP) PROTOCOL

The RTP Protocol is monitored by the LAT through stage 5 with no office contact necessary unless required by examining LHCP. Office contact, if required, may be made electronically, by phone, or in person to review the S-A's progress. The LAT notifies the examining LHCP that the S-A remained asymptomatic after stage 5 is completed, if required to do so.

If signs or symptoms occur after stage 5 the S-A **MUST** return to the LHCP overseeing the S-A's care.



RETURN TO PLAY FORM

The Return to Play (RTP) Form **MUST** be signed before the S-A is allowed to resume full participation in athletics. The RTP Form may be signed by either the examining LHCP or the LAT if selected to do so by the LHCP that signed the S-A's LHCP Concussion Evaluation Recommendations Form.

The student-athlete's parent/legal custodian **MUST** sign the RTP Form giving their consent before their child resumes full participation in athletics.



Athlete Resumes Full Participation in Athletics