



Policy number: FNB-1007

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Title: Concussion and Return to Play Policy

## **1. GUIDING PRINCIPLE**

Football New Brunswick (FNB) is the recognized Provincial Sport Organization (PSO) for Tackle, Flag and Touch Football in the Province of New Brunswick. In an effort to educate all involved with football and to make football more safe, FNB has developed a Concussion and Return to Play Policy for teams, groups and associations to follow.

FNB recognizes the risk of concussions in the sport of football. Over the years, both Football Canada and the Coaching Association of Canada (CAC) have assisted in creating information to help educate athletes, coaches and parents about concussions.

FNB has adopted the Canadian Guideline on Concussion in Sport, 2nd edition provided by Parachute.

According to the Board of Directors (BoD) of FNB, these policies and standards are to be adopted by FNB and its members. This policy will increase awareness, education and the safety of football in New Brunswick.

## **2. POLICY STATEMENT**

2.1. All coaches and administrative staff must be aware of and follow the return to play protocol established by Parachute Canada which is available on the FNB website. FNB is ethically responsible for the safety and liability of its players. Proper protocol shall be followed for every incident of suspected concussions as laid out in the Parachute concussion protocol.

2.1.1. In New Brunswick, the FNB board recognizes that there is a shortage in available healthcare professionals which can cause delays in receiving the appropriate care at the appropriate time. In this policy it is acceptable to use a concussion trained athletic therapists, physiotherapists or chiropractors where applicable.



2.2. FNB follows Football Canada's policy, making it mandatory that all coaches take the Making Headway E-Learning Module and Safe Contact Course.

### 3. PROCEDURE

3.1. FNB adopts Football Canada's policy regarding Safe Contact and Making Headway

3.1.1. All coaches are required to have the free Making Headway E-Learning Module online at <http://safecontact.footballcanada.com/> to coach football.

3.1.2. All coaches are required to take Safe Contact. A new coach will have 1 year to take Safe Contact.

3.2. FNB, will be adopting the following guidelines for its provincial programs effective immediately. We encourage all member associations, teams and groups in the province to also adopt these guidelines to continue to protect our athletes.

### FOOTBALL NEW BRUNSWICK CONCUSSION PROTOCOL

*Adapted from: Parachute. (2024). Canadian Guideline on Concussion in Sport (2<sup>nd</sup> edition).*  
<http://www.parachute.ca/guideline>

Football New Brunswick has developed the Football New Brunswick Concussion Protocol to help guide the management of athletes who may have a suspected concussion as a result of participation in Football New Brunswick activities.

#### **Purpose**



This protocol covers the recognition, medical diagnosis, and management of athletes who may sustain a suspected concussion during a sport activity. It aims to ensure that athletes with a suspected concussion receive timely and appropriate care and proper management to allow them to return back to their sport safely. This protocol may not address every possible clinical scenario that can occur during sport-related activities but includes critical elements based on the latest evidence and current expert consensus.

### **Who should use this protocol?**

This protocol is intended for use by all individuals who have a role interacting with athletes inside and outside the context of school and non-school based organized sports activity, including athletes, parents/caregivers, coaches, officials, teachers, trainers, and licensed healthcare professionals.

For a summary of the Football New Brunswick **Concussion Protocol** please refer to the **Football New Brunswick Sport Concussion Pathway** figure at the end of this document.

## **1. Pre-Season Education**

Despite recent increased attention focusing on concussion there is a continued need to improve concussion education and awareness. Optimizing the prevention and management of concussion depends highly on annual education of all individuals with a role in the sport community on evidence-informed approaches that can prevent concussion and more serious forms of head injury and help identify and manage an athlete with a suspected concussion.

Concussion education should include information on:

- the definition of concussion,
- possible mechanisms of injury,
- common signs and symptoms,
- steps that can be taken to prevent concussions and other injuries from occurring in sport,
- what to do when an athlete has suffered a suspected concussion or more serious head injury,



- what measures should be taken to ensure proper medical assessment including Return-to-School and Return-to-Sport Strategies, and
- Return-to-sport medical clearance requirements.

All parents and athletes are required to review and sign the Pre-season Concussion Education Sheet prior to the first practice of the season.

In addition to reviewing information on concussion, it is also important that all sport stakeholders have a clear understanding of the **Football New Brunswick's Concussion Protocol**. For example, this can be accomplished through pre-season in-person orientation sessions for athletes, parents/caregivers, coaches and other sport stakeholders.

- **Who:** Athletes, parents/caregivers, coaches, officials, teachers, and trainers, licensed healthcare professionals
- **How:** Pre-season Concussion Education Sheet

## 2. Head Injury Recognition

Although the formal diagnosis of concussion should be made following a medical assessment, all individuals in the sport community, including athletes, parents/caregivers, coaches, officials, teachers, trainers and licensed healthcare professionals, are responsible for the recognition and reporting of athletes with a suspected concussion. This is particularly important because many sport and recreation venues will not have access to on-site licensed healthcare professionals.

### Suspected concussion

A concussion should be suspected if an athlete sustains an impact to the head, face, neck or body and:

- **demonstrates one or more observable signs** of a suspected concussion (as detailed in the Concussion Recognition Tool 6), OR
- **reports one or more symptoms** of suspected concussion (as detailed in the Concussion Recognition Tool 6).

This includes cases where the impact wasn't witnessed, but anyone witnesses the athlete exhibiting one or more observable signs of suspected concussion or the athlete reports one or more symptoms of suspected concussion to one of their peers, parents/caregivers, coaches or teachers.

In all cases of suspected concussion, the athlete should be removed from the activity immediately and undergo medical assessment as soon as possible.

### **Delayed signs and symptoms**

If an athlete is removed from play following an impact for cautionary reasons, but there are no observable signs or symptoms of a suspected concussion, then the athlete can be returned to play but should be monitored for delayed symptoms for up to 48 hours.

### **Red flag symptoms**

In some cases, an athlete may show signs or symptoms that potentially indicate a more severe head or spine injury, including loss of consciousness, convulsions, worsening headaches, repeated vomiting or neck pain (see a detailed list in the Concussion Recognition Tool 6).

**If an athlete demonstrates any red flags**, a more severe head or spine injury should be suspected, principles of first aid should be followed and emergency medical assessment should be pursued.

- ▶ **Who:** Athletes, parents/caregivers, coaches, officials, teachers, trainers and licensed healthcare professionals
- ▶ **How:** Concussion Recognition Tool 6

## **3. Onsite Medical Assessment**

Depending on the suspected severity of the injury, an initial assessment may be completed by emergency medical professionals or by an on-site licensed healthcare professional where available.

In cases where any red flags are present, emergency medical assessment by emergency medical professionals should take place (see 3a below). If a more severe injury is not suspected, the

athlete should undergo Sideline Medical Assessment or Medical Assessment, depending on if there is a licensed healthcare professional present (see 3b below).

### **3a. Emergency medical assessment**

If an athlete is suspected of sustaining a more severe head or spine injury, an ambulance should be called immediately to transfer the patient to the nearest emergency department for further Medical Assessment.

Coaches, parents/caregivers, trainers and officials should not make any effort to remove equipment or move the athlete and the athlete should not be left alone until the ambulance arrives. After the emergency medical services staff has completed the emergency medical assessment, the athlete should be transferred to the nearest hospital for medical assessment.

In the case of youth athletes, the athlete's parents or legal guardian should be contacted immediately to inform them of the injury. For adult athletes, their emergency contact person should be contacted if one has been provided.

- **Who:** Emergency medical professionals

### **3b. Sideline Medical Assessment**

If an athlete is suspected of sustaining a concussion and there is no concern for a more serious head or spine injury, the player should be immediately removed from the field of play.

#### **Scenario 1: If a licensed healthcare professional is present**

The athlete should be taken to a quiet area and undergo sideline medical assessment using the Sport Concussion Assessment Tool 6 (SCAT6) or the Child SCAT6.

The SCAT6 and Child SCAT6 are clinical tools that should only be used by a licensed healthcare professional who has training and experience using them. These tools can be used as part of the overall clinical assessment and screening for concussion. It is important to note that the results of SCAT6 and Child SCAT6 testing can be normal in the setting of acute concussion and that signs and symptoms may evolve over time. As such, these tools can be used by licensed healthcare professionals to document initial symptoms and neurological status but should not be used to make sideline return-to-sport decisions in youth athletes. Any youth athlete who is

suspected of having sustained a concussion must not return to the game or practice and should be referred for medical assessment.

- ▶ **Who:** Licensed healthcare professionals, including doctors, nurse practitioners, concussion trained athletic therapists, physiotherapists or chiropractors.
- ▶ **How:** Sport Concussion Assessment Tool – 6th Edition (SCAT6)  
Child Sport Concussion Assessment Tool – 6th Edition (Child SCAT6)

#### **Scenario 2: If there is no licensed healthcare professional present**

An athlete with a suspected concussion should be referred for medical assessment by a medical doctor or nurse practitioner as soon as possible.

#### **4. Medical Assessment**

The medical assessment is responsible for determining whether the athlete has a diagnosed concussion or not. To provide comprehensive evaluation of athletes with a suspected concussion, the medical assessment must:

- rule out more serious forms of traumatic brain and spine injuries,
- rule out medical and neurological conditions that can present with concussion-like symptoms, and
- make the differential diagnosis of concussion based on findings of the clinical history and physical examination and the evidence-based use of adjunctive tests as indicated (e.g., CT scan).

Licensed healthcare professionals in Canada whose scope of practice matches these requirements are medical doctors and nurse practitioners. Medical doctors who can evaluate patients with a suspected concussion include pediatricians, family medicine physicians, sports medicine physicians, emergency department physicians, internal medicine physicians, physiatrists (rehabilitation physicians), neurologists and neurosurgeons.

In geographic regions of Canada with limited access to medical doctors and nurse practitioners (i.e., rural, remote or northern communities), a licensed healthcare professional, such as a nurse with pre-arranged access to a medical doctor or nurse practitioner, can facilitate this role.

Scope of practice for licensed healthcare professionals can vary by region.



In New Brunswick, the FNB board recognizes that there is a shortage in available healthcare professionals which can cause delays in receiving the appropriate care at the appropriate time. In this policy it is acceptable to use a concussion trained athletic therapists, physiotherapists or chiropractors where applicable.

**Athletes who are determined to have not sustained a concussion** should be provided with a Medical Assessment Letter indicating a concussion has not been diagnosed. The athlete can return to school, work and sport activities without restriction.

**Athletes diagnosed with a concussion** should be provided with a Medical Assessment Letter indicating a concussion has been diagnosed. The athlete must follow a gradual return to activities, including school, work and sport activities (see 5. Concussion Management).

Because the Medical Assessment Letter contains personal health information, it is the responsibility of the athlete or their parent/legal guardian to provide this documentation to the athlete's coaches, teachers or employers. It is also important for the athlete or coach to provide this information to sport organization administrators who are responsible for injury reporting and concussion surveillance, where applicable.

- ▶ **Who:** Medical doctor, nurse practitioner, nurse, concussion trained athletic therapists, physiotherapists or chiropractors.
- ▶ **How:** Medical Assessment Letter

## 5. Concussion Management

Athletes diagnosed with a concussion should be provided with education about the signs and symptoms of concussion, treatment/management of their symptoms, the risks of returning to sport without medical clearance and recommendations regarding a gradual return to school (if applicable) and sport activities.

Athletes diagnosed with a concussion are to be managed according to their Return-to-School (if applicable) and sport-specific Return-to-Sport Strategies under the supervision of a medical doctor or nurse practitioner. When available, athletes should be encouraged to work with their team's licensed healthcare professional to optimize progression through their sport-specific Return-to-Sport Strategy.

The stepwise progressions for Return-to-School and Return-to-Sport Strategies are outlined below. Note that these strategies begin at the same time, can happen concurrently and the first step of both is the same.

**Return-to-School Strategy**

The following is an outline of the Return-to-School Strategy that should be used to help students, parents/caregivers and teachers to partner in allowing the athlete to make a gradual return to school activities (Table 1). Every concussion is unique and, depending on the severity and type of the symptoms present, progression through the following steps will look different for each student-athlete. This tool is a recommendation and should not replace medical advice.

**Medical clearance is not required to return to school**, except for full participation in school-based sport and physical activity. Return to sport and physical activity should be guided by the Return-to-Sport Strategy.

Students do not need to be symptom-free to return to school and complete absence from school of more than one week is not recommended. It is common for a student’s symptoms to worsen slightly with activity. This is acceptable as they progress through steps so long as the symptom exacerbation is:

- **mild:** Symptoms worsen by only one to two points on a zero-to-10 scale, and
- **brief:** Symptoms settle back down to pre-activity levels within an hour.

If the student’s symptoms worsen more than this, they should pause and adapt activities as needed.

Step	Activity	Description	Goal of each step
<b>1</b>	Activities of daily living and relative rest (first 24 to 48 hours)	<ul style="list-style-type: none"> <li>○ Typical activities at home (e.g. preparing meals, social interactions, light walking) that do not result in more than mild and brief worsening of symptoms</li> <li>○ Minimize screen time</li> </ul>	Gradual reintroduction of typical activities
After a maximum of 24 to 48 hours after injury, progress to step 2.			
<b>2</b>	School activities with encouragement to	<ul style="list-style-type: none"> <li>○ Homework, reading or other light cognitive activities at school or at home</li> </ul>	Increase tolerance to cognitive work

	return to school (as tolerated)	<ul style="list-style-type: none"> <li>○ Take breaks and adapt activities if they result in more than mild and brief worsening of symptoms</li> <li>○ Gradually resume screen time, as tolerated</li> </ul>	and connect socially with peers
If the student can tolerate school activities, progress to step 3.			
<b>3</b>	Part-time or full days at school with accommodations (as needed)	<ul style="list-style-type: none"> <li>○ Gradually reintroduce schoolwork</li> <li>○ Build tolerance to the classroom and school environment over time. Part-time school days with access to breaks throughout the day and other accommodations may be required</li> <li>○ Gradually reduce accommodations related to the concussion and increase workload</li> </ul>	Increase academic activities.
If the student can tolerate full days without accommodations for concussion, progress to step 4.			
<b>4</b>	Return to school full-time	<ul style="list-style-type: none"> <li>○ Return to full days at school and academic activities, without accommodations related to the concussion</li> <li>○ For return to sport and physical activity, including physical education class, refer to the Return-to-Sport Strategy</li> </ul>	Return to full academic activities.
<b>Return to school is complete.</b>			

Table adapted from: Patricios, Schneider et al., 2023; Reed, Zemek et al., 2023

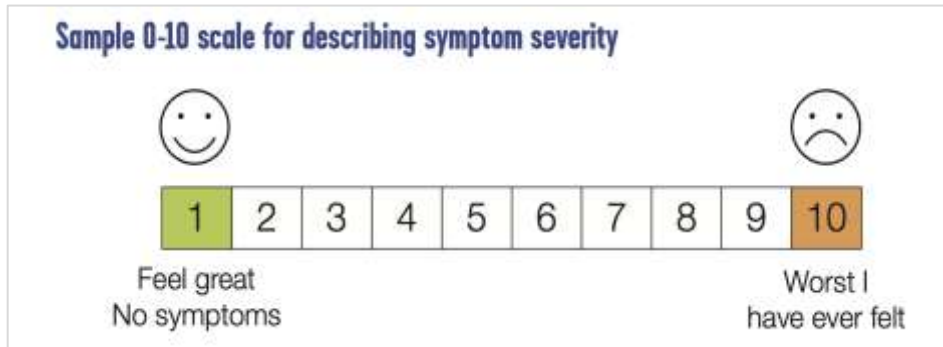
### Football specific Return-to-Sport Strategy

The following is an outline of the Return-to-Sport Strategy that should be used to help athletes, parents/caregivers, coaches, trainers and medical professionals to partner in allowing the athlete to make a gradual return to sport activities. This tool is a guideline and should not replace medical advice; with direction from a healthcare professional, timelines and activities may vary.

The athlete should spend a minimum of 24 hours at each step before progressing on to the next. It is common for an athlete’s symptoms to worsen slightly with activity. This is acceptable as they progress through steps 1 to 3 of return to sport, so long as symptom exacerbation is:

- **mild:** symptoms worsen by only one to two points on a zero-to-10 scale, and
- **brief:** symptoms settle back down to pre-activity levels within an hour.

If the athlete’s symptoms worsen more than this, they should stop the activity and try resuming the next day at the same step.



**Before progressing to step 4 of the Football specific Return-to-Sport Strategy, athletes must:**

- successfully complete all steps of the Return-to-School Strategy (if applicable), and
- provide their coach with a Medical Clearance Letter indicating they have been medically cleared to return to activities with risk of falling or contact.

If the athlete experiences concussion symptoms after medical clearance (i.e., during steps 4 to 6), they should return to step 3 to establish full resolution of symptoms. Medical clearance will be required again before progressing to step 4.

Step	Activity	Activity details	Goal of each step
<b>1</b>	Activities of daily living and relative rest (first 24 to 48 hours)	<ul style="list-style-type: none"> <li>○ Typical activities at home (e.g. preparing meals, social interactions, light walking) that do not result in more than mild and brief worsening of symptoms</li> <li>○ Minimize screen time</li> </ul>	Gradual reintroduction of typical activities

After a maximum of 24 to 48 hours after injury, progress to step 2.			
<b>2</b>	2A: Light effort aerobic exercise	<ul style="list-style-type: none"> <li>○ Start with light aerobic exercise, such as stationary cycling and walking at a slow to medium pace</li> <li>○ May begin light resistance training that does not result in more than mild and brief worsening of symptoms</li> <li>○ Exercise up to approximately 55% of maximum heart rate</li> <li>○ Take breaks and modify activities as needed</li> </ul>	Increase heart rate
	2B: Moderate effort aerobic exercise	<ul style="list-style-type: none"> <li>○ Gradually increase tolerance and intensity of aerobic activities, such as stationary cycling and walking at a brisk pace</li> <li>○ Exercise up to approximately 70% of maximum heart rate</li> <li>○ Take breaks and modify activities as needed</li> </ul>	
If the athlete can tolerate moderate aerobic exercise, progress to step 3.			
<b>3</b>	Individual sport-specific activities, without risk of inadvertent head impact	<ul style="list-style-type: none"> <li>○ Add sport-specific activities (e.g., running, changing direction, individual drills)</li> <li>○ Perform activities individually and under supervision from a teacher, parent/caregiver or coach</li> <li>○ Progress to where the athlete is free of concussion-related symptoms, even when exercising</li> </ul>	Increase the intensity of aerobic activities and introduce low-risk sport-specific movements
<b>Medical clearance</b>			
If the athlete has completed return to school (if applicable) and has been medically cleared, progress to step 4.			

<b>4</b>	Non-contact training drills and activities	<ul style="list-style-type: none"> <li>○ Progress to exercises with no body contact at high intensity, including more challenging drills and activities (e.g., passing drills, multi-athlete training and practices)</li> </ul>	Resume usual intensity of exercise, co-ordination and activity-related cognitive skills
If the athlete can tolerate usual intensity of activities with no return of symptoms, progress to step 5.			
<b>5</b>	Return to all non-competitive activities, full-contact practice and physical education activities	<ul style="list-style-type: none"> <li>○ Progress to higher-risk activities including typical training activities, full-contact sport practices and physical education class activities</li> <li>○ Do not participate in competitive gameplay</li> </ul>	Return to activities that have a risk of falling or body contact, restore confidence and assess functional skills by coaching staff
If the athlete can tolerate non-competitive, high-risk activities, progress to step 6.			
<b>6</b>	Return to sport	Unrestricted sport and physical activity	
<b>Return to sport is complete.</b>			

Table adapted from: Patricios, Schneider et al., 2023; Reed, Zemek et al., 2023

- ▶ **Who:** Medical doctor, nurse practitioner, licensed healthcare professionals, concussion trained athletic therapists, physiotherapists or chiropractors.
- ▶ **How:** Return-to-School Strategy, Sport-Specific Return-to Sport Strategy, Medical Clearance Letter

### 6. Interdisciplinary Concussion Care

Most athletes who sustain a concussion while participating in sport will make a complete recovery and be able to return to full school without any concussion-related accommodations and full sport participation without restrictions within four weeks of injury. However, approximately 15 to 30 per cent of individuals will experience symptoms that last longer beyond this time frame.

Athletes who experience persisting symptoms (longer than four weeks) may benefit from referral to specialized interdisciplinary concussion care for assessment and care that addresses the athlete's individual symptoms and needs.

Care of persisting symptoms should follow the management recommendations in Canada's clinical practice guidelines:

- [Pediatric guidelines \(children and youth under 18\)](#)
- [Adult guidelines \(18 and older\)](#)

## 7. Return to Sport

Athletes who have been determined to have not sustained a concussion and provide a Medical Assessment Letter indicating this can return to school, work and sport activities without restriction.

Athletes who have been diagnosed with a concussion can be considered for medical clearance to return to sport activities with risk of contact or fall once they have successfully completed:

- all steps of the Return-to-School Strategy (if applicable), and
- steps 1 to 3 of the Football specific Return-to-Sport Strategy.

The final decision to medically clear an athlete to return to activity with risk of falls and contact should be based on the clinical judgment of the medical doctor or nurse practitioner, taking into account the athlete's past medical history, clinical history, physical examination findings and the results of other tests and clinical consultations where indicated (e.g., neuropsychological testing, diagnostic imaging).

To progress to step 4 of return to sport, the athlete must provide their coach with a Medical Clearance Letter that specifies that a medical doctor or nurse practitioner has personally evaluated the patient and has cleared the athlete to return to sport. In geographic regions of Canada with limited access to medical doctors (i.e. rural, remote or northern communities), a licensed healthcare professional (i.e. a nurse) with pre-arranged access to a medical doctor or nurse practitioner can provide this documentation.

It is also important for the athlete or coach to provide this information to sport organization administrators who are responsible for injury reporting and concussion surveillance, where applicable.

Athletes who have been provided with a Medical Clearance Letter may progress through steps 4, 5 and 6 of the Football specific Return-to-Sport Strategy to gradually return to full,



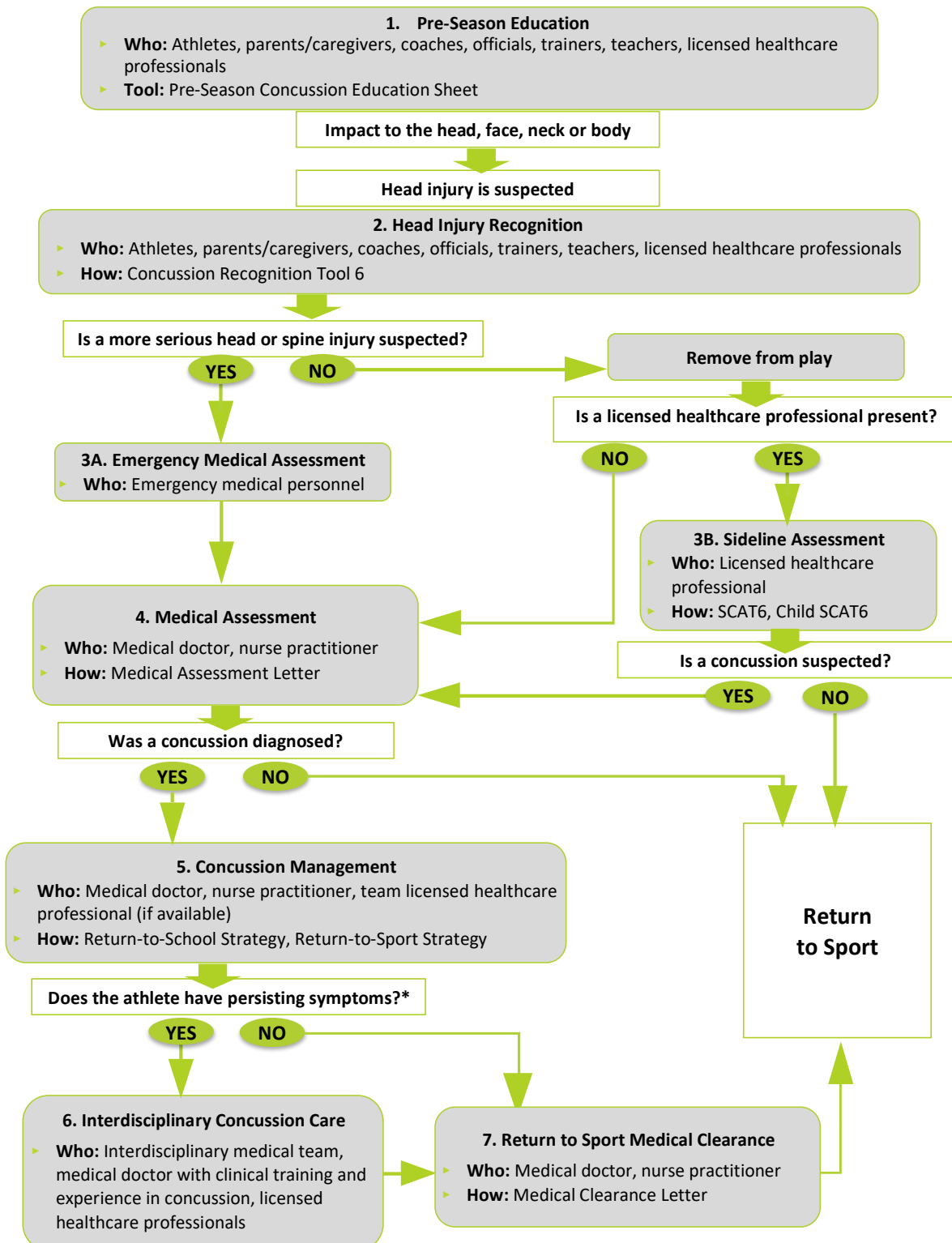
unrestricted sport activities. If the athlete experiences any new concussion-like symptoms during these steps, they should be instructed to stop the activity and return to step 3 to establish the full resolution of symptoms. Medical clearance is required again before progressing to step 4. This information should be provided to the appropriate people (e.g., coach, trainer, teacher).

If the athlete sustains a new suspected concussion, the **Football New Brunswick Concussion Protocol** should be followed as outlined here.

- ▶ **Who:** Medical doctor, nurse practitioner
- ▶ **Document:** Medical Clearance Letter

### Football New Brunswick Concussion Pathway

*A concussion trained athletic therapists, physiotherapists or chiropractor may be used where applicable.*



\*Persisting symptoms: lasting longer than 4 weeks