



ImPACT™



## The Best Approach to Concussion Management

*Concussion is a common injury...*

### What is ImPACT?

ImPACT is a sophisticated, research-based computer test developed to help clinicians evaluate an athlete's recovery following concussion. ImPACT is a 20-minute neurocognitive test battery that has been scientifically validated to measure the effects of sports related concussion. In the preseason, each athlete is given a baseline test. And, when a concussion is suspected, during the season, a follow-up test is administered to see if the results have changed from the baseline. This comparison helps to diagnose and manage the concussion. Follow-up tests can be administered over days or weeks so clinicians can continue to track the athlete's recovery from the injury.

### Why use ImPACT?

ImPACT can help answer difficult questions about an athlete's readiness to return to play, protecting them from the potentially serious consequences of returning too soon. While traditional neurological and radiological procedures such as CT and MRI are helpful in identifying serious brain injuries (e.g., skull fractures, hematomas), they are ineffective at identifying the functional effects of concussion. Consequently, clinicians must often rely on subjective observations or patient self-reports to diagnose and track a concussion. This is where ImPACT can help.

Conducting baseline and post-injury neurocognitive testing using ImPACT helps to objectively evaluate an athlete's cognitive status to prevent the cumulative effects of concussion. And when baseline data are unavailable, ImPACT has a normative database of thousands of non-injured athletes, which can be used for effective evaluations and comparisons.

**FACT:** A concussion is a brain injury that frequently involves physical as well as cognitive symptoms.

**FACT:** About 10% of all student athletes in contact sports suffer a concussion during their season.

**FACT:** Proper management of the injury is the first step in avoiding long-term complications.

**FACT:** Recovery may take days or weeks, with individuals often experiencing dizziness, headaches, double vision, memory problems, irritability and depression.

**FACT:** Premature return to play following a concussion can lead to potentially serious consequences.

ImPACT is a computerized program that evaluates and documents multiple aspects of neurocognitive functioning, including verbal and visual memory, attention span, brain processing speed, reaction time, and post-concussive symptoms. The user-friendly injury documentation system enables clinicians to track the injury from the field and through the recovery process.

## Get Started Today...

### STEP 1: Concussion Management Education

Work with your Athletes, Coaches, Parents, Athletic Trainers, Athletic Directors, Clinicians, Doctors, Nurses, etc.

### STEP 2: Pre-season Baseline Testing with ImPACT

Have your athletes take the ImPACT Test to establish their baseline.

### STEP 3: Sideline Evaluation

Use our standard sideline test to screen for a concussion and remove your athlete from competition, if needed.

### STEP 4: Post-Concussion Testing with ImPACT

Repeat computerized testing in the days following the concussion to track your athlete's recovery.

### STEP 5: Return-to-play Decision Support

Feel confident in your decisions. ImPACT provides clinicians with a state-of-the-art, medically-based program with clear guidelines to support timely and safe return-to-play.

#### Current Users

- |                                       |                        |                                       |
|---------------------------------------|------------------------|---------------------------------------|
| - 30 NFL Teams                        | - New Zealand Rugby    | - USA Rugby                           |
| - Ontario/Western Hockey Leagues      | - Professional Hockey  | - Cirque du Soleil                    |
| - USA Olympic Hockey                  | - Swedish Soccer       | - USA Hockey                          |
| - 18 MLB Teams                        | - NFL Europa           | - USA Ski Team                        |
| - Major/Minor League Baseball Umpires | - US Soccer Federation | - 350+ Clinical Centers               |
| - South African Rugby                 | - US Lacrosse          | - 60+ Credentialed ImPACT Consultants |
| - Major League Soccer                 | - US Army              | - 400+ Colleges and Universities      |
|                                       | - US Navy              | - 1,200+ High Schools                 |
|                                       | - US Military Academy  |                                       |
|                                       | - US Air Force Academy |                                       |