Dear Parents/Guardians:

In order to participate in school sponsored athletics, the attached Athletic Physical Exam Packet must be completed and submitted to the Nurse's office.

Please submit the entire packet to the school nurse. If any forms are omitted, left blank, or incomplete, the entire packet will be returned. Before we forward this to our school district doctor for clearance, this packet must be completely filled out.

Students will not be allowed to tryout or practice with their teams until the athletic physical is cleared by the school doctor and the paperwork is processed. This process takes time, so you must make all efforts to turn in your athletic physical packet on/or before the designated due date for your child's particular sports season.

<table>
<thead>
<tr>
<th>Due Dates</th>
<th>Seasons</th>
<th>Sports</th>
</tr>
</thead>
<tbody>
<tr>
<td>July 15</td>
<td>Fall</td>
<td>Cross Country, Field Hockey, Football, Girls Tennis, Gymnastics, Soccer, Girls Volleyball</td>
</tr>
<tr>
<td>October 15</td>
<td>Early Winter</td>
<td>Bowling, Swimming</td>
</tr>
<tr>
<td>November 1</td>
<td>Winter</td>
<td>Basketball, Indoor Track, Wrestling</td>
</tr>
<tr>
<td>February 1</td>
<td>Spring</td>
<td>Baseball, Boys Tennis, Boys Volleyball, Golf, Softball, Track</td>
</tr>
</tbody>
</table>

Please adhere to the above due dates. Students will not be eligible for participation until all required forms have been received and processed.

Athletic Physical Form packets can be obtained from the Nurse's Office, the Athletic Office or may be downloaded from www.twpunionschools.org. – click on Athletics; then Sports Physical Forms.

PLEASE HAND THE ENTIRE PACKET INTO YOUR SCHOOL NURSE OR INTO THE MAIN OFFICE AT UNION HIGH SCHOOL DURING THE SUMMER MONTHS.

ATTENTION: MEDICAL PROVIDERS/PARENTS/GUARDIANS

The New Jersey Department of Education has developed a Student-Athlete Cardiac Assessment Professional Development Module. All medical providers performing Athletic physicals must take this module, sign off on the clearance form of the physical packet indicating that they have completed the Cardiac Assessment Professional Development Module.

Form Revised: June 2015
PREPARTICIPATION PHYSICAL EVALUATION

HISTORY FORM

(Note: This form is to be filled out by the patient and parent prior to seeing the physician. The physician should keep copy of this form in the chart.)

Date of Exam __________________________ Date of birth __________________________

Name __________________________ Age ______ Grade ______ School ______

Sex ________ Male ________ Female ________

Medicines and Allergies: Please list all of the prescription and over-the-counter medicines and supplements (herbal and nutritional) that you are currently taking below:

☐ Medicines
☐ Patches
☐ Food
☐ Insects

Explain “Yes” answers below. Circle questions you don’t know the answers to.

GENERAL QUESTIONS

Yes No
1. Has a doctor ever denied or restricted your participation in sports for any reason?
2. Do you have any ongoing medical conditions? If so, please identify below: 
   ☐ Asthma ☐ Arthritis ☐ Diabetes ☐ Infections
   ☐ Other:
3. Have you ever spent the night in a hospital?
4. Have you ever had surgery?

HEART HEALTH QUESTIONS ABOUT YOU

Yes No
5. Have you ever passed out or nearly passed out during or after exercise?
6. Have you ever had discomfort, pain, tightness, or pressure in your chest during exercise?
7. Does your heart beat fast or skip beats (irregular beats) during exercise?
8. Has a doctor ever told you that you have any heart problems? If so, check all that apply:
   ☐ High blood pressure
   ☐ High cholesterol
   ☐ Heart murmur
   ☐ Heart infection
   ☐ Kawasaki disease
   ☐ Other:
9. Has a doctor ever ordered a test for your heart? (For example, ECG, EKG, echocardiogram)
10. Do you get lightheaded or feel more short of breath than expected during exercise?
11. Have you ever had an unexplained seizure?
12. Have you ever had a heart murmur?

HEART HEALTH QUESTIONS ABOUT YOUR FAMILY

Yes No
13. Has any family member or relative died of heart problems or had an unexpected or unexplained sudden death before age 50 (including drowning, unexplained car accident, overdose, infant heart death syndrome)?
14. Does anyone in your family have hypercholesterolemia, Marfans syndrome, arrhythmogenic right ventricular cardiomyopathy, long QT syndrome, short QT syndrome, Brugada syndrome, or catecholaminergic polymorphic ventricular tachycardia?
15. Does anyone in your family have a heart problem, pacemaker, or implanted defibrillator?
16. Has anyone in your family had an unexplained fainting, unexplained seizures, or near drowning?

BONE AND JOINT QUESTIONS

Yes No
17. Have you ever had an injury to a bone, muscle, ligament, or tendon that caused you to miss a practice or game?
18. Have you ever had any broken or fractured bones or dislocated joints?
19. Have you ever had an injury requiring x-rays, MRI, CT scan, injections, therapy, a brace, cast, or clutches?
20. Have you ever had a stress fracture?
21. Have you ever been told that you have or had an x-ray for neck instability or atlantoaxial instability? (Skull fracture or dislocation)
22. Do you regularly use a brace, orthotics or other assistive device?
23. Do you have a bone, muscle, or joint injury that bothers you?
24. Do any of your joints become painful, swollen, feel warm, or look red?
25. Do you have any history of juvenile arthritis or connective tissue disease?

MEDICAL QUESTIONS

Yes No
26. Do you cough, wheeze, or have difficulty breathing during or after exercise?
27. Have you ever used an inhaler or taken asthma medicine?
28. Is there anyone in your family who has asthma?
29. Have you been without or are you missing a kidney, an eye, a testicle (male), your spleen, or any other organ?
30. Do you have a goiter or a painful boil or hemi in the groin area?
31. Have you had infectious mononucleosis (mono) within the last month?
32. Do you have any rashes, pressure sores, or other skin problems?
33. Have you had a herpes or MRSA skin infection?
34. Have you ever had a head injury or concussion?
35. Have you ever had a hit or blow to the head that caused confusion, prolonged headache, or memory problems?
36. Do you have a history of seizure disorder?
37. Do you have headaches with exercise?
38. Have you ever had numbness, tingling, or weakness in your arms or legs after being hit or falling?
39. Have you ever been unable to move your arms or legs after being hit or falling?
40. Have you ever become ill while exercising in the heat?
41. Do you get frequent muscle cramps when exercising?
42. Do you or someone in your family have sickle cell trait or disease?
43. Have you had any problems with your eyes or vision?
44. Have you had any eye injury?
45. Do you wear glasses or contact lenses?
46. Do you wear protective eyewear such as goggles or a face shield?
47. Do you worry about your weight?
48. Are you trying to or has anyone recommended that you gain or lose weight?
49. Are you on a special diet or do you avoid certain types of foods?
50. Have you ever had an eating disorder?
51. Do you have any concerns that you would like to discuss with a doctor?

FEMALES ONLY

52. Have you ever had a menstrual period?
53. How old were you when you had your first menstrual period?
54. How many periods have you had in the last 12 months?

Explain "yes" answers here: ________________________________

I hereby state that, to the best of my knowledge, my answers to the above questions are complete and correct.

Signature of athlete: __________________________ Date: __________________________

Signature of parent/guardian: __________________________ Date: __________________________

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# Preparticipation Physical Evaluation

**THE ATHLETE WITH SPECIAL NEEDS: SUPPLEMENTAL HISTORY FORM**

**Date of Exam** ____________  
**Name** ____________  
**Date of birth** ____________  
**Sex** ____________  
**Age** ____________  
**Grade** ____________  
**School** ____________  
**Sport(s)** ____________

1. Type of disability
2. Date of disability
3. Classification (if applicable)
4. Cause of disability (birth, disease, accident, trauma, other)
5. List the sports you are interested in playing

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>6. Do you regularly use a brace, assistive device, or prosthesis?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7. Do you use any special brace or assistive device for sports?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8. Do you have any rashes, pressure sores, or any other skin problems?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9. Do you have a hearing loss? Do you use a hearing aid?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10. Do you have a visual impairment?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11. Do you use any special devices for bowel or bladder function?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12. Do you have burning or discomfort when urinating?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13. Have you had autonomic dysreflexia?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14. Have you ever been diagnosed with a heat-related (hyperthermia) or cold-related (hypothermia) illness?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15. Do you have muscle spasticity?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16. Do you have frequent seizures that cannot be controlled by medication?</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Explain "yes" answers here

---

Please indicate if you have ever had any of the following.

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Atlantoaxial instability</td>
<td></td>
<td></td>
</tr>
<tr>
<td>X-ray evaluation for atlantoaxial instability</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dislocated joints (more than one)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Easy bleeding</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Enlarged spleen</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hepatitis</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Osteopenia or osteoporosis</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Difficulty controlling bowel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Difficulty controlling bladder</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Numbness or tingling in arms or hands</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Numbness or tingling in legs or feet</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weakness in arms or hands</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weakness in legs or feet</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Recent change in coordination</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Recent change in ability to walk</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spina bifida</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Latex allergy</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Explain "yes" answers here

---

I hereby state that, to the best of my knowledge, my answers to the above questions are complete and correct.

**Signature of athlete** ____________  
**Signature of parent/guardian** ____________  
**Date** ____________
# Preparticipation Physical Evaluation

## Physical Examination Form

**Physician Reminders**

1. Consider additional questions on more sensitive issues
   - Do you feel stressed out or under a lot of pressure?
   - Do you ever feel sad, hopeless, depressed, or anxious?
   - Do you feel safe at your home or residence?
   - Have you ever tried cigarettes, chewing tobacco, snuff, or dip?
   - During the past 30 days, did you use chewing tobacco, snuff, or dip?
   - Do you drink alcohol or use any other drugs?
   - Have you ever taken anabolic steroids or used any other performance supplement?
   - Have you ever taken any supplements to help you gain or lose weight or improve your performance?
   - Do you wear a seat belt, use a helmet, and use condoms?

2. Consider reviewing questions on cardiovascular symptoms (questions 5–14).

## Examination

<table>
<thead>
<tr>
<th>Height</th>
<th>Weight</th>
<th>Male</th>
<th>Female</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>BP / ( / )</th>
<th>Pulse</th>
<th>Vision R 20/</th>
<th>Vision L 20/</th>
<th>Corrected</th>
<th>Y</th>
<th>N</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Medical</th>
<th>Normal</th>
<th>Abnormal Findings</th>
</tr>
</thead>
</table>

- **Appearance**
  - Markers (hypertension, high cholesterol, peptic ulceration, arachidonic acid, arm span > height, hyperlaxity, myopia, MVP, aortic insufficiency)

- **Eyes/ears/nose/throat**
  - Pupils equal
  - Hearing

- **Lymph nodes**

- **Heart**
  - Murmurs (auscultation standing, supine +/- Valvular)
  - Location of point of maximal impulse (PMI)

- **Pulses**
  - Simultaneous femoral and radial pulses

- **Lungs**

- **Abdomen**
  - (anal only)

- **Skin**
  - HSV lesions suggestive of MEGA, linea vendaris

- **Neurologic**

## Musculoskeletal

<table>
<thead>
<tr>
<th>Neck</th>
<th>Back</th>
<th>Shoulder/Arm</th>
<th>Elbow/Forearm</th>
<th>Wrist/Hand/Finger</th>
<th>Hip/Thigh</th>
<th>Knee</th>
<th>Leg/Ankle</th>
<th>Foot/Toes</th>
<th>Functional</th>
</tr>
</thead>
</table>
  - Waist-walk, single leg hop

*Consider EKG, echocardiogram, and referral to cardiologist for abnormal cardiac history or exam.
*Consider GU exam if in private setting. Having the partner present is recommended.
*Consider cognitive evaluation or baseline neuropsychiatric testing if a history of significant concussion.

- Cleared for all sports without restriction
- Cleared for all sports without restriction with recommendations for further evaluation or treatment for

  - Not cleared
    - Pending further evaluation
    - For any sport
    - For certain sports

  **Reason**

## Recommendations

I have examined the above-named student and completed the preparticipation physical evaluation. The athlete does not present apparent clinical contraindications to practice and participate in the sport(s) as outlined above. A copy of the physical exam is on record in my office and can be made available to the school at the request of the parents. If conditions arise after the athlete has been cleared for participation, a physician may rescind the clearance until the problem is resolved and the potential consequences are completely explained to the athlete (and parents/guardians).

Name of physician, advanced practice nurse (APN), physician assistant (PA) (print/type) __________________________ Date __________________________

Address __________________________ Phone __________________________

Signature of physician, APN, PA __________________________


New Jersey Department of Education 2014; Pursuant to P.L. 2013, c.71
Preparticipation Physical Evaluation
CLEARANCE FORM

Name __________________________ Sex □ M □ F Age __________ Date of birth __________

☐ Cleared for all sports without restriction
☐ Cleared for all sports without restriction with recommendations for further evaluation or treatment for _______________________

☐ Not cleared
  ☐ Pending further evaluation
  ☐ For any sports
  ☐ For certain sports _______________________
  Reason _______________________

Recommendations _______________________

________________________

EMERGENCY INFORMATION

Allergies _______________________

Other information _______________________

________________________

HCP OFFICE STAMP

SCHOOL PHYSICIAN:

Reviewed on __________ (Date)
Approved _______ Not Approved _______
Signature: _______________________

I have examined the above-named student and completed the preparticipation physical evaluation. The athlete does not present apparent clinical contraindications to practice and participate in the sport(e) as outlined above. A copy of the physical exam is on record in my office and can be made available to the school at the request of the parents. If conditions arise after the athlete has been cleared for participation, the physician may rescind the clearance until the problem is resolved and the potential consequences are completely explained to the athlete (and parents/guardians).

Date of Physical Examination __________

Name of physician, advanced practice nurse (APN), physician assistant (PA) __________________________ Date __________

Address __________________________ Phone __________________________

Signature of physician, APN, PA __________________________

Completed Cardiac Assessment Professional Development Module

Date __________________________ Signature __________________________


New Jersey Department of Education 2014; Pursuant to P.L.2013, c.71
Union Board of Education

Concussion, Sudden Cardiac Death, Eye Injury and Steroid Testing Acknowledgment Form

Please read the attached information sheets on Sports-Related Concussions and Head Injury Fact Sheet, Sudden Cardiac Death Acknowledgment pamphlet and NJSIAA Steroid testing. Please, print, sign and date the bottom of the page that you have read and understand the information provided, and return with the physical form. If you have any questions or concerns please contact the School Nurse at 908.851.6550 or the Athletic Trainer, Meg Berry at 908.851.6516

- I have read the attached information on Sudden Cardiac Death in Young Athletes. I understand its contents. I have been given an opportunity to ask questions and all questions have been answered to my satisfaction.

- I have read the attached information on Eye Injuries in Young Athletes. I understand its contents. I have been given an opportunity to ask questions and all questions have been answered to my satisfaction.

- I have read the attached information on Sports-Related Concussions and Head Injury Fact Sheet. I understand its contents. I have been given an opportunity to ask questions and all questions have been answered to my satisfaction.

- I have read the attached information on NJSIAA Steroid testing policy. I understand its contents. I have been given an opportunity to ask questions and all questions have been answered to my satisfaction. By signing below, we consent to random testing in accordance with the NJSIAA steroid testing policy. We understand that, if the student or the student’s team qualifies for a state championship tournament or state championship competition, the student may be subject to testing for banned substances.

_____________________________    ________________________________
Parent/Guardian Name (print)     Parent/Guardian Name (Signature)  (date)

_____________________________
Student Name (print)              ________________________________

Student (Signature)              (date)
NJSIAA STEROID TESTING POLICY

CONSENT TO RANDOM TESTING

In Executive Order 72, issued December 20, 2005, Governor Richard Codey directed the New Jersey Department of Education to work in conjunction with the New Jersey State Interscholastic Athletic Association (NJSIAA) to develop and implement a program of random testing for steroids, of teams and individuals qualifying for championship games.

Beginning in the Fall, 2006 sports season, any student-athlete who possesses, distributes, ingests or otherwise uses any of the banned substances on the attached page, without written prescription by a fully-licensed physician, as recognized by the American Medical Association, to treat a medical condition, violates the NJSIAA's sportsmanship rule, and is subject to NJSIAA penalties, including ineligibility from competition. The NJSIAA will test certain randomly selected individuals and teams that qualify for a state championship tournament or state championship competition for banned substances. The results of all tests shall be considered confidential and shall only be disclosed to the student, his or her parents and his or her school. No student may participate in NJSIAA competition unless the student and the student's parent/guardian consent to random testing.

By signing below, we consent to random testing in accordance with the NJSIAA steroid testing policy. We understand that, if the student or the student's team qualifies for a state championship tournament or state championship competition, the student may be subject to testing for banned substances.

May 1, 2010
2015-16 NJSIAA Banned Drugs

IT IS YOUR RESPONSIBILITY TO CHECK WITH THE APPROPRIATE OR DESIGNATED ATHLETICS STAFF BEFORE USING ANY SUBSTANCE

The NJSIAA bans the following classes of drugs:

- Stimulants
- Anabolic Agents
- Alcohol and Beta Blockers
- Diuretics and Other Masking Agents
- Street Drugs
- Peptide Hormones and Analogues
- Anti-estrogens
- Beta-2 Agonists

Note: Any substance chemically related to these classes is also banned.

THE INSTITUTION AND THE STUDENT-ATHLETE SHALL BE HELD ACCOUNTABLE FOR ALL DRUGS WITHIN THE BANNED DRUG CLASS REGARDLESS OF WHETHER THEY HAVE BEEN SPECIFICALLY IDENTIFIED.

Drugs and Procedures Subject to Restrictions

- Blood Doping
- Gene Doping
- Local Anesthetics (under some conditions)
- Manipulation of Urine Samples
- Beta-2 Agonists permitted only by prescription and inhalation

NJSIAA Nutritional/Dietary Supplements Warning

Before consuming any nutritional/dietary supplement product, review the product with the appropriate or designated athletics department staff!

- Dietary supplements, including vitamins and minerals, are not well regulated and may cause a positive drug test result.
- Student-athletes have tested positive and lost their eligibility using dietary supplements.
- Many dietary supplements are contaminated with banned drugs not listed on the label.
- Any product containing a dietary supplement ingredient is taken at your own risk.

NOTE TO STUDENT-ATHLETES: THERE IS NO COMPLETE LIST OF BANNED SUBSTANCES. DO NOT RELY ON THIS LIST TO RULE OUT ANY SUPPLEMENT INGREDIENT. CHECK WITH YOUR ATHLETICS DEPARTMENT STAFF PRIOR TO USING A SUPPLEMENT. REMINDER: ANY DIETARY SUPPLEMENT INGREDIENT IS TAKEN AT THE STUDENT’S OWN RISK.
Some Examples of NJSIAA Banned Substances in Each Drug Class
Do NOT RELY ON THIS LIST TO RULE OUT ANY LABEL INGREDIENT.

Stimulants
Amphetamine (Adderall); caffeine (guarana); cocaine; ephedrine; fenfluramine (Fen); methamphetamine;
methylphenidate (Ritalin); phentermine (Phen); synephrine (bitter orange); methylhexaneamine, “bath salts” (mephedrone); Octopamine; DMBA; etc.

Exceptions: phenylephrine and pseudoephedrine are not banned.

Anabolic Agents (sometimes listed as a chemical formula, such as 3,6,17-androstenetriol)
Androstenedione; boldenone; clenbuterol; DHEA (7-Keto); epi-trenbolone; ethicholanolone;
methasterone; methandienone; nandrolone; norandrostenedione; ostarine, stanozolol; stenbolone;
testosterone; trenbolone; SARMs (ostarine); etc.

Alcohol and Beta Blockers
Alcohol; atenolol; metoprolol; nadolol; pindolol; propranolol; timolol; etc.

Diuretics (water pills) and Other Masking Agents
Bumetanide; chlorothiazide; furosemide; hydrochlorothiazide; probenecid; spironolactone (canrenone);
triamederene; trichlormethiazide; etc.

Street Drugs
Heroin; marijuana; tetrahydrocannabinol (THC); synthetic cannabinoids (eg. spice, K2, JWH-018, JWH-
073)

Peptide Hormones and Analogues
Growth hormone (hGH); human chorionic gonadotropin (hCG); erythropoietin (EPO); etc.

Anti-Estrogens
Anastrozole; tamoxifen; formestane; ATD, clomiphene; SERMS (noladex); etc.

Beta-2 Agonists
Bambuterol; formoterol; salbutamol; salmeterol; higenamine; norcuclaurine; etc.

Any substance that is chemically related to the class, even if it is not listed as an example, is also banned! It is your responsibility to check with the appropriate or designated athletics staff before using any substance.
SUDDEN CARDIAC DEATH IN YOUNG ATHLETES

The Basic Facts on Sudden Cardiac Death in Young Athletes

Sudden death in young athletes between the ages of 10 and 19 is very rare. What, if anything, can be done to prevent this kind of tragedy?

Sudden cardiac death is the result of an unexpected failure of proper heart function, usually (about 60% of the time) during or immediately after exercise without trauma. Since the heart stops pumping adequately, the athlete quickly collapses, loses consciousness, and ultimately dies unless normal heart rhythm is restored using an automated external defibrillator (AED).

How common is sudden death in young athletes?

Sudden cardiac death in young athletes is very rare. About 100 such deaths are reported in the United States per year. The chance of sudden death occurring to any individual high school athlete is about one in 200,000 per year.

Sudden cardiac death is more common: in males than in females; in football and basketball than in other sports; and in African-Americans than in other races and ethnic groups.

What are the most common causes?

Research suggests that the main cause is a loss of proper heart rhythm, causing the heart to quiver instead of pumping blood to the brain and body. This is called ventricular fibrillation (ven-TRICK-you-lar fib-ru-roh-LAY-shun). The problem is usually caused by one of several cardiovascular abnormalities and electrical diseases of the heart that go unnoticed in healthy-appearing athletes.

The most common cause of sudden death in an athlete is hypertrophic cardiomyopathy (hy-per-TRIK-fic CAR-dee-oh-my-O-path-e) also called HCM. HCM is a disease of the heart, with abnormal thickening of the heart muscle, which can cause serious heart rhythm problems and blockages to blood flow. This genetic disease runs in families and usually develops gradually over many years.

The second most likely cause is congenital (kon-JEN-tal) (i.e., present from birth) abnormalities of the coronary arteries. This means that these blood vessels are connected to the main blood vessel of the heart in an abnormal way. This differs from blockages that may occur when people get older (commonly called "coronary artery disease," which may lead to a heart attack).
Sudden Cardiac Death in Young Athletes

Other diseases of the heart that can lead to sudden death in young people include:

- Myocarditis (my-oh-car-DIE-tis), an acute inflammation of the heart muscle (usually due to a virus).
- Dilated cardiomyopathy, an enlargement of the heart for unknown reasons.
- Long QT syndrome and other electrical abnormalities of the heart which cause abnormal fast heart rhythms that can also run in families.
- Marfan syndrome, an inherited disorder that affects heart valves, walls of major arteries, eyes and the skeleton. It is generally seen in unusually tall athletes, especially if being tall is not common in other family members.

Are there warning signs to watch for?

In more than a third of these sudden cardiac deaths, there were warning signs that were not reported or taken seriously. Warning signs are:

- Fainting, a seizure or convulsions during physical activity;
- Fainting or a seizure from emotional excitement, emotional distress or being startled;
- Dizziness or lightheadedness, especially during exertion;
- Chest pains, at rest or during exertion;
- Palpitations - awareness of the heart beating unusually (skipping, irregular or extra beats) during athletics or during cool down periods after athletic participation;
- Fatigue or tiring more quickly than peers; or
- Being unable to keep up with friends due to shortness of breath (labor breathing).

What are the current recommendations for screening young athletes?

New Jersey requires all school athletes to be examined by their primary care physician ("medical home") or school physician at least once per year. The New Jersey Department of Education requires use of the specific Preparticipation Physical Examination Form (PPE). This process begins with the parents and student-athletes answering questions about symptoms during exercise (such as chest pain, dizziness, fainting, palpitations or shortness of breath); and questions about family health history.

The primary healthcare provider needs to know if any family member died suddenly during physical activity or during a seizure. They also need to know if anyone in the family under the age of 50 had an unexplained sudden death such as drowning or car accidents. This information must be provided annually for each exam because it is so essential to identify those at risk for sudden cardiac death.

The required physical exam includes measurement of blood pressure and a careful listening examination of the heart, especially for murmurs and rhythm abnormalities. If there are no warning signs reported on the health history and no abnormalities discovered on exam, no further evaluation or testing is recommended.

Are there options privately available to screen for cardiac conditions?

Technology-based screening programs including a 12-lead electrocardiogram (ECG) and echocardiogram (ECHO) are noninvasive and painless options parents may consider in addition to the required PPE. However, these procedures may be expensive and are not currently advised by the American Academy of Pediatrics and the American College of Cardiology unless the PPE reveals an indication for these tests. In addition to the expense, other limitations of technology-based tests include the possibility of "false positives" which leads to unnecessary stress for the student and parent or guardian as well as unnecessary restriction from athletic participation.


When should a student athlete see a heart specialist?

If the primary health-care provider or school physician has concerns, a referral to a child heart specialist, a pediatric cardiologist, is recommended. This specialist will perform a more thorough evaluation, including an electrocardiogram (ECG), which is a graph of the electrical activity of the heart. An echocardiogram, which is an ultrasound test to allow for direct visualization of the heart structure, will likely also be done. The specialist may also order a treadmill exercise test and a monitor to enable a longer recording of the heart rhythm. None of the testing is invasive or uncomfortable.

Can sudden cardiac death be prevented just through proper screening?

A proper evaluation should find most, but not all, conditions that would cause sudden death in the athlete. This is because some diseases are difficult to uncover and may only develop later in life. Others can develop following a normal screening evaluation, such as an infection of the heart muscle from a virus.

This is why screening evaluations and a review of the family health history need to be performed on a yearly basis by the athlete's primary healthcare provider. With proper screening and evaluation, most cases can be identified and prevented.

Why have an AED on site during sporting events?

The only effective treatment for ventricular fibrillation is immediate use of an automated external defibrillator (AED). An AED can restore the heart back into a normal rhythm. An AED is also life-saving for ventricular fibrillation caused by a blow to the chest over the heart (commotio cordis).

N.J.S.A. 18A:40-41a through c, known as "Janet's Law," requires that at any school-sponsored athletic event or team practice in New Jersey public and nonpublic schools including any of grades K through 12, the following must be available:

- An AED in an unlocked location on school property within a reasonable proximity to the athletic field or gymnasium; and
- A team coach, licensed athletic trainer, or other designee to perform manual CPR and the use of the AED.

A State-certified emergency services provider or other certified first responder. The American Academy of Pediatrics recommends the AED should be placed in central location that is accessible and ideally no more than a 1 to 1½ minute walk from any location and that a call is made to activate 911 emergency system while the AED is being retrieved.
Sports-Related Concussion and Head Injury Fact Sheet and
Parent/Guardian Acknowledgement Form

A concussion is a brain injury that can be caused by a blow to the head or body that disrupts normal functioning of the brain. Concussions are a type of Traumatic Brain Injury (TBI), which can range from mild to severe and can disrupt the way the brain normally functions. Concussions can cause significant and sustained neuropsychological impairment affecting problem solving, planning, memory, attention, concentration, and behavior.

The Centers for Disease Control and Prevention estimates that 300,000 concussions are sustained during sports related activities nationwide, and more than 62,000 concussions are sustained each year in high school contact sports. Second-impact syndrome occurs when a person sustains a second concussion while still experiencing symptoms of a previous concussion. It can lead to severe impairment and even death of the victim.

Legislation (P.L. 2010, Chapter 94) signed on December 7, 2010, mandated measures to be taken in order to ensure the safety of K-12 student-athletes involved in interscholastic sports in New Jersey. It is imperative that athletes, coaches, and parent/guardians are educated about the nature and treatment of sports related concussions and other head injuries. The legislation states that:

- All Coaches, Athletic Trainers, School Nurses, and School/Team Physicians shall complete an Interscholastic Head Injury Safety Training Program by the 2011-2012 school year.
- All school districts, charter, and non-public schools that participate in interscholastic sports will distribute annually this educational fact to all student athletes and obtain a signed acknowledgement from each parent/guardian and student-athlete.
- Each school district, charter, and non-public school shall develop a written policy describing the prevention and treatment of sports-related concussion and other head injuries sustained by interscholastic student-athletes.
- Any student-athlete who participates in an interscholastic sports program and is suspected of sustaining a concussion will be immediately removed from competition or practice. The student-athlete will not be allowed to return to competition or practice until he/she has written clearance from a physician trained in concussion treatment and has completed his/her district’s graduated return-to-play protocol.

Quick Facts

- Most concussions do not involve loss of consciousness
- You can sustain a concussion even if you do not hit your head
- A blow elsewhere on the body can transmit an “impulsive” force to the brain and cause a concussion

Signs of Concussions (Observed by Coach, Athletic Trainer, Parent/Guardian)

- Appears dazed or stunned
- Forgets plays or demonstrates short term memory difficulties (e.g. unsure of game, opponent)
- Exhibits difficulties with balance, coordination, concentration, and attention
- Answers questions slowly or inaccurately
- Demonstrates behavior or personality changes
- Is unable to recall events prior to or after the hit or fall

Symptoms of Concussion (Reported by Student-Athlete)

- Headache
- Nausea/vomiting
- Balance problems or dizziness
- Double vision or changes in vision
- Sensitivity to light/sound
- Feeling of sluggishness or fogginess
- Difficulty with concentration, short term memory, and/or confusion
What Should a Student-Athlete do if they think they have a concussion?

- **Don’t hide it.** Tell your Athletic Trainer, Coach, School Nurse, or Parent/Guardian.
- **Report it.** Don’t return to competition or practice with symptoms of a concussion or head injury. The sooner you report it, the sooner you may return-to-play.
- **Take time to recover.** If you have a concussion your brain needs time to heal. While your brain is healing you are much more likely to sustain a second concussion. Repeat concussions can cause permanent brain injury.

What can happen if a student-athlete continues to play with a concussion or returns to play too soon?

- Continuing to play with the signs and symptoms of a concussion leaves the student-athlete vulnerable to second impact syndrome.
- Second impact syndrome is when a student-athlete sustains a second concussion while still having symptoms from a previous concussion or head injury.
- Second impact syndrome can lead to severe impairment and even death in extreme cases.

Should there be any temporary academic accommodations made for Student-Athletes who have suffered a concussion?

- To recover cognitive rest is just as important as physical rest. Reading, texting, testing—even watching movies can slow down a student-athletes recovery.
- Stay home from school with minimal mental and social stimulation until all symptoms have resolved.
- Students may need to take rest breaks, spend fewer hours at school, be given extra time to complete assignments, as well as being offered other instructional strategies and classroom accommodations.

**Student-Athletes who have sustained a concussion should complete a graduated return-to-play before they may resume competition or practice, according to the following protocol:**

- **Step 1:** Completion of a full day of normal cognitive activities (school day, studying for tests, watching practice, interacting with peers) without reemergence of any signs or symptoms. If no return of symptoms, next day advance.
- **Step 2:** Light Aerobic exercise, which includes walking, swimming, and stationary cycling, keeping the intensity below 70% maximum heart rate. No resistance training. The objective of this step is increased heart rate.
- **Step 3:** Sport-specific exercise including skating, and/or running: no head impact activities. The objective of this step is to add movement.
- **Step 4:** Non contact training drills (e.g. passing drills). Student-athlete may initiate resistance training.
- **Step 5:** Following medical clearance (consultation between school health care personnel and student-athlete’s physician), participation in normal training activities. The objective of this step is to restore confidence and assess functional skills by coaching and medical staff.
- **Step 6:** Return to play involving normal exertion or game activity.

For further information on Sports-Related Concussions and other Head Injuries, please visit:

- [www.cdc.gov/concussion/sports/index.html](http://www.cdc.gov/concussion/sports/index.html)
- [www.nflhs.com](http://www.nflhs.com)
- [www.ncaa.org/health-safety](http://www.ncaa.org/health-safety)
- [www.bianj.org](http://www.bianj.org)
- [www.atsnj.org](http://www.atsnj.org)
Participating in sports and recreational activities is an important part of a healthy, physically active lifestyle for children. Unfortunately, injuries can, and do, occur. Children are at particular risk for sustaining a sports-related eye injury and most of these injuries can be prevented. Every year, more than 30,000 children sustain serious sports-related eye injuries. Every 13 minutes, an emergency room in the United States treats a sports-related eye injury. According to the National Eye Institute, the sports with the highest rate of eye injuries are: baseball/softball, ice hockey, racquet sports, and basketball, followed by fencing, lacrosse, paintball and boxing.

Thankfully, there are steps that parents can take to ensure their children’s safety on the field, the court, or wherever they play or participate in sports and recreational activities.

Approximately 90% of sports-related eye injuries can be prevented with simple precautions, such as using protective eyewear. Each sport has a certain type of recommended protective eyewear, as determined by the American Society for Testing and Materials (ASTM). Protective eyewear should fit comfortably on the face. Poorly fitted equipment may be uncomfortable, and may not offer the best eye protection. Protective eyewear for sports includes, among other things, safety goggles and eye guards, and it should be made of polycarbonate lenses, a strong, shatterproof plastic. Polycarbonate lenses are much stronger than regular lenses.

Health care providers (HCP), including family physicians, ophthalmologists, optometrists, and others, play a critical role in advising students, parents and guardians about the proper use of protective eyewear. To find out what kind of eye protection is recommended, and permitted for your child’s sport, visit the National Eye Institute at http://www.nei.nih.gov/sports/findingprotection.asp. Prevent Blindness America also offers tips for choosing and buying protective eyewear at http://www.preventblindness.org/tips-buying-sports-eye-protectors, and http://www.preventblindness.org/recommended-sports-eye-protectors.

It is recommended that all children participating in school sports or recreational sports wear protective eyewear. Parents and coaches need to make sure young athletes protect their eyes, and properly gear up for the game. Protective eyewear should be part of any uniform to help reduce the occurrence of sports-related eye injuries. Since many youth teams do not require eye protection, parents may need to ensure that their children wear safety glasses or goggles whenever they play sports. Parents can set a good example by wearing protective eyewear when they play sports.

The most common types of eye injuries that can result from sports injuries are blunt injuries, corneal abrasions and penetrating injuries.

**Blunt Injuries**: Blunt injuries occur when the eye is suddenly compressed by impact from an object. Blunt injuries, often caused by tennis balls, racquets, fists or elbows, sometimes cause a black eye or hyphema (bleeding in front of the eye). More serious blunt injuries often break bones near the eye, and may sometimes seriously damage important eye structures and/or lead to vision loss.

**Corneal Abrasions**: Corneal abrasions are painful scrapes on the outside of the eye, or the cornea. Most corneal abrasions eventually heal on their own, but a doctor can help assess the extent of the abrasion, and may prescribe medication to help control the pain. The most common cause of a sports-related corneal abrasion is being poked in the eye by a finger.

**Penetrating Injuries**: Penetrating injuries are caused by a foreign object piercing the eye. Penetrating injuries are very serious, and often result in severe damage to the eye. These injuries often occur when eyeglasses break while they are being worn. Penetrating injuries must be treated quickly in order to preserve vision.

**Signs or Symptoms of an Eye Injury**

- Pain when looking up and/or down, or difficulty seeing;
- Tenderness;
- Sunken eye;
- Double vision;
- Severe eyelid and facial swelling;
- Difficulty tracking;
- The eye has an unusual pupil size or shape;
- Blood in the clear part of the eye;
- Numbness of the upper cheek and gum, and/or
- Severe redness around the white part of the eye.

If a child sustains an eye injury, it is recommended that he/she receive immediate treatment from a licensed HCP (e.g., eye doctor) to reduce the risk of serious damage, including blindness. It is also recommended that the child, along with his/her parent or guardian, seek guidance from the HCP regarding the appropriate amount of time to wait before returning to sports competition or practice after sustaining an eye injury. The school nurse and the child’s teachers should also be notified when a child sustains an eye injury. A parent or guardian should also provide the school nurse with a physician’s note detailing the nature of the eye injury, any diagnosis, medical orders for the return to school, as well as any prescription(s) and/or treatment(s) necessary to promote healing, and the safe resumption of normal activities, including sports and recreational activities.

According to the American Family Physician Journal, there are several guidelines that should be followed when students return to play after sustaining an eye injury. For example, students who have sustained significant ocular injury should receive a full examination and clearance by an ophthalmologist or optometrist. In addition, students should not return to play until the period of time recommended by their HCP has elapsed. For more minor eye injuries, the athletic trainer may determine that it is safe for a student to resume play based on the nature of the injury, and how the student feels. No matter what degree of eye injury is sustained, it is recommended that students wear protective eyewear when returning to play and immediately report any concerns with their vision to their coach and/or the athletic trainer.

Additional information on eye safety can be found at http://isee.nei.nih.gov and http://www.nei.nih.gov/sports.

HEALTH HISTORY UPDATE QUESTIONNAIRE

Name of School

To participate on a school-sponsored interscholastic or intramural athletic team or squad, each student whose physical examination was completed more than 90 days prior to the first day of official practice shall provide a health history update questionnaire completed and signed by the student’s parent or guardian.

Student ____________________________ Age______ Grade ______

Date of Last Physical Examination__________ Sport________

Since the last pre-participation physical examination, has your son/daughter:

1. Been medically advised not to participate in a sport? Yes____ No____
   If yes, describe in detail__________________________
   ____________________________

2. Sustained a concussion, been unconscious or lost memory from a blow to the head? Yes____ No____
   If yes, explain in detail________________________
   ____________________________

3. Broken a bone or sprained/strained/dislocated any muscle or joints? Yes____ No____
   If yes, describe in detail________________________
   ____________________________

4. Fainted or “blacked out?” Yes____ No____
   If yes, was this during or immediately after exercise?
   ____________________________

5. Experienced chest pains, shortness of breath or “racing heart?” Yes____ No____
   If yes, explain__________________________
   ____________________________

6. Has there been a recent history of fatigue and unusual tiredness? Yes____ No____

7. Been hospitalized or had to go to the emergency room? Yes____ No____
   If yes, explain in detail________________________
   ____________________________

8. Since the last physical examination, has there been a sudden death in the family or has any member of the family under age 50 had a heart attack or “heart trouble?” Yes____ No____

9. Started or stopped taking any over-the-counter or prescribed medications? Yes____ No____
   If yes, name of medication(s)__________________________
   ____________________________

Date:________________________ Signature of parent/guardian

PLEASE RETURN COMPLETED FORM TO THE SCHOOL NURSE’S OFFICE
Consent Form

For use of the Immediate Post-Concussion Assessment and Cognitive Testing (ImPACT)

I have read the attached information. I understand its contents. I have been given an opportunity to ask questions and all questions have been answered to my satisfaction. I agree to participate in the ImPACT Concussion Management Program.

Printed Name of Athlete

Grade

School

Sport(s)

________________________________________  _________________________
Signature of Athlete                      Date

________________________________________  _________________________
Signature of Parent                       Date

www.impacttest.com
Dear Parent/Guardian,

Union Township Schools is currently implementing an innovative program for our student-athletes. This program will assist our team physicians/athletic trainers in evaluating and treating head injuries (e.g., concussion). In order to better manage concussions sustained by our student-athletes, we have acquired a software tool called ImPACT (Immediate Post Concussion Assessment and Cognitive Testing). ImPACT is a computerized exam utilized in many professional, collegiate, and high school sports programs across the country to successfully diagnose and manage concussions. If an athlete is believed to have suffered a head injury during competition, ImPACT is used to help determine the severity of head injury and when the injury has fully healed.

The computerized exam is given to athletes before beginning contact sport practice or competition. This non-invasive test is set up in “video-game” type format and takes about 15-20 minutes to complete. It is simple, and actually many athletes enjoy the challenge of taking the test. Essentially, the ImPACT test is a preseason physical of the brain. It tracks information such as memory, reaction time, speed, and concentration. It, however, is not an IQ test.

If a concussion is suspected, the athlete will be required to re-take the test. Both the preseason and post-injury test data is given to a local doctor or, to help evaluate the injury. The information gathered can also be shared with your family doctor. The test data will enable these health professionals to determine when return-to-play is appropriate and safe for the injured athlete. If an injury of this nature occurs to your child, you will be promptly contacted with all the details.

I wish to stress that the ImPACT testing procedures are non-invasive, and they pose no risks to your student-athlete. We are excited to implement this program given that it provides us the best available information for managing concussions and preventing potential brain damage that can occur with multiple concussions. The Union Township administration, coaching, and athletic training staffs are striving to keep your child’s health and safety at the forefront of the student athletic experience. Please return the attached page with the appropriate signatures. If you have any further questions regarding this program please feel free to contact me at mberry@twpunionschools.org.

Sincerely,

Meg Berry, MS, ATC, CSCS
Athletic Trainer
mberry@twpunionschools.org
(201)704-8706
TOWNSHIP OF UNION BOARD OF EDUCATION
PARENTAL/GUARDIAN CONSENT

Student’s Name: ___________________________ Last Name ___________________________ First Name ___________________________ Sex: M F (circle one)
School: ___________________________ Circle Grade: 7 8 9 10 11 12 HR# ________

I/We hereby give consent for my/our child to participate in ___________________________ (Name of Sport)

I/We release the school from all liability resulting from participation in this program.

Realizing that such activity involves the potential for injury, which is inherent in all sports, I/We acknowledge that even with the best coaching, use of the most advanced protective equipment and strict observance of rules, injuries are still a possibility. On rare occasions, these injuries can be so severe as to result in total disability, paralysis or death. I/We acknowledge that I/We have read and understand this warning.

I/We will be responsible for any athletic equipment loaned to my child by the school and will reimburse the school for any loss.

I/We understand that in case of injury to my child, all medical bills will be submitted to my/our insurance company first.

I/We also understand that only those medical expenses not covered by my/our own personal or group insurance are eligible for coverage by the Board of Education’s Insurance policy up to certain limits.

I/We also understand that I/We are liable for any medical bills remaining after above procedures have been carried out.

Students must have a medical examination by school or family physician.

Parent/Guardian’s Name: (Print) ___________________________

Address: ___________________________ Telephone #______________________

Telephone Number of Parent/Guardian during day: Father ___________________________
Mother ___________________________

In case of emergency, if parent/guardian cannot be contacted, notify:

Name/Relation: (Print) ___________________________ Phone: ___________________________

Student’s Signature: ___________________________ Date: ___________________________

Parent/Guardian’s Signature: ___________________________ Date: ___________________________

***RETURN THIS PAGE TO YOUR COACH***
STUDENT/ATHLETES CLEARANCE NOTIFICATION

Dear Parents/Guardians:

When our school doctor has cleared your child to participate in athletics, the school nurse will stamp and return this form to your child for your records. Your child’s physical is valid for one year.

Please provide the following information:

Student’s Name_________________________ ID# ___________

Sport_______________________________

Each additional season requires a Health History Update form which can be downloaded from www.twpunionschools.org - go to Athletics – click on Sports Physicals.