

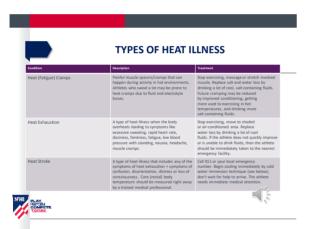
HEAT ILLNESS

- Heat illness is the leading cause of preventable death in high school athletes. Heat production during intense exercise is 15 - 20 times greater than at rest and can raise body core temperature 1-2degrees Fahrenheit every 5 minutes unless heat is dissipated.
- The IHSAA, IGHSAU, IHSMA, and IHSSA, under the guidance of the IA Sports Medicine Advisory Committee, have approved the Wet Bulb Glove Thermometer (WBGT) as the recommended measurement practice and device for measuring acceptable heat/humidity levels for practices and contests. The use of WBGT is required throughout the calendar year when the ambient temperature is above 80 degrees (indoors or outdoors).





2



3

5

WET BULB GLOBE TEMPERATURE

Why Not Heat Index?

- Heat Index is calculated in the shade.
- Heat Index is calculated in the shade, considering a standard/average sized person with a normal core temperature walking 3.1 mph Even in warm-ups for a practice a student athlete's body temperature rises above normal levels Local news weather forecasts, weather apps on phones do NOT provide an accurate temperature. They do not consider all of the variables.

How to Take a WBGT?

- WBGT should be measured every 30 minutes (where the activity is being
- minutes (where the activity is being held)

 The same person should monitor W8GT throughout the event

 W8GT throughout the event

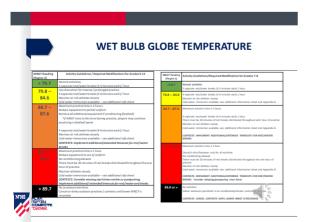
 W8GT reading at the start of practice/contest is the lowest category directions to follow, if W8GT increases to a higher category modifications will follow that category.

 Individual reactions to heat will vary per athletes and/or position/role

 Schools should have an exertional heat illness emergency action plan

 At-risk athletes should always be monitored closely.





WBGT & SPECIAL CONSIDERATIONS

Football Practice

- WBGT 84.7 to 87.6 (ORANGE):
 Helmets, Shoulder Pads and Shorts
 only should be worn and any
 additional equipment (e.g. shoulder additional equipment (e.g. shoulder pads) should be removed for conditioning. If WBGT rises to this level during practice, players may continue to practice in football pants. WBGT 87.2 to 89.7 (RED). Shorts, t-shirts and footwear only for activities. No conditioning allowed.
 WBGT 89.8 or greater (BLACK): No conditioning allowed.
- outdoor activities, cancel or delay practices until lower WBGT is recorded
- Football Games
- Football Games

 When kick off temperature is 87.7 to 89.7

 WSGT (RED)—A mandatory hydration break should take place at approximately the 6 min mark of the quarter of each quarter.

 The hydration break will last 3 minutes and all players will remove their helmets and go to the sideline for a break.

 No coaches allowed on the field.

 If kick off temperature is at or above 89.8

 WSGT or greater (BLACK)—A mandatory hydration break should take place at approximately the 4 and 8 min mark of the quarter of each quarter.

 The hydration break will last 3 minutes and go to the sideline for a breast and go the sideline for a breast and go the sideline for a breast and go to the sideline for a breast and go the sideline for a breast and go to the sideline for a breast and go to the sideline for a breast and go to the sideline for a breast and go the sideline for a breas

6



COLD WATER IMMERSION

- SH-sug:

 Acquire a 50-gallon tub, stock tank or kiddle pool
 (rubber or structural foam)
 Prior to the start of activity, half-fill with water and ice,
 keep additional chest cooles of lice next to tub
 keep additional chest cooles of lice next to tub
 cool the water to a temperature of 3-59 degrees F
 When an Athlete is in need of Gold Water Immersion:
 Remove the athletis's equipment and excess clothing
 Immerse athletis' equipment and excess clothing
 Immerse athletis' twole over the head and next.

 Place as it Cyalet towole over the head and next.

- Place an ice/wet towel over the head and neck Str/agitate the water continuously, adding more ice throughout the cooling process cool for a minimum of 20 minutes (based on the average estimated cooling rate of 1 degree per 3 minutes. Continue cooling until an AT or other sporporpiate medical provide, EMS assumes control of patient & determines transport based on core (rectal) temperature reaches 120 degrees. Place temperature reaches 120 degrees.





7



OTHER METHODS FOR COOLING

Cold Water Immersion Bag

- A cold water immersion bag is a method which uses a combination of ice and cold water are added to an athlete once they have been placed in a cold water immersion bag and seal the bag to reduce core body
- temperature Cool for a minimum of 20 minutes
- (based on the average estimated cooling rate of 1 degree per 3 minutes. Continue cooling until an AT or other appropriate medical provider, EMS assumes control of patient & determines transport based on core (rectal) temperature reaches 102

TACO Method

- ACO Method

 Tarp Assisted Cooling Oscillation
 (TACO) is a method in which a
 combination of ice and cold water are
 added to an athlete once they have
 been placed on a tarp with the edges
 held up by personnel to create a
 physical "taco" for the patient to be
 encased inside.
 Continue cooling until an AT or other
 appropriate medical provider, EMS
 assumes control of patient &
 determines transport based on core
 (rectal) temperature reaches 102
 degrees F.
- degrees F





8



MANDATORY CONCUSSION COURSE FOR ALL 7-12 COACHES

 Mandatory Concussion Course for all 7-12 coaches: ALL 7-12 coaches (paid or volunteer) are required to view the NFHS course "Concussion in Sports" before the beginning of their respective sports season. Information regarding accessing this course has been sent to your school administrator





9



CONCUSSIONS

- Iowa Code Section 280.13C states, in part,
- Annually, each school district and nonpublic school shall provide to the parent or guardian of each student a concussion and brain information sheet, as provided by the Iowa High School Athletic Association and Iowa Girls High School Athletic Union.
- The student and student's parent or guardian shall sign and return the concussion and brain injury information sheet to the student's school prior to the student's participation in any interscholastic activity for grades seven – twelve. An electronic signature is now allowed on the information sheet





10



CONCUSSION RECOGNITION & MANAGEMENT







CONCUSSION

- Coach Removal Iowa Law requires a student's coach who observes signs, symptoms or behaviors consistent with a concussion or brain injury during any kind of participation (practices, scrimmages, contests, etc) to remove the student from participation immediately and the student shall not return until the coach, or school's **designated representative receives written clearance to return** from a licensed health care provider
- Contest Official Removal lowa Law requires a contest official who observes signs, symptoms, or behaviors consistent with a concussion or brain injury during scrimmages, contests, etc to remove the student from participating immediately and that official or a designated contest official at the contest/event, must receive the written clearance to return from a licensed healthcare provider before the student can return to participation in that contest/event., reliaing an event that takes place over multiple days. an event that takes place over multiple days.





CONCUSSION MANAGEMENT

Return to Learn Protocol – House File 2442

 Personnel of a school district or accredited nonpublic school with enrolled students who participate in an extracurricular interscholastic activity which is a contest in grades seven - twelve shall develop a return-to-learn plan based on guidance developed by the brain injury association of America in cooperation with an extracurricular interscholastic activity and diagnoses with a concussion or brain injury, the student's parent or guardian and the student's licensed health care provider to accommodate the student as the student returns to the classroom.





13

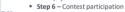


14

CONCUSSION RETURN TO PLAY PROTOCOL

- Step 1 Athlete has received written medical clearance from a licensed health care provider to begin the return-to-play process AND the athlete is back to school full time without experiencing signs, symptoms or behaviors for a minimum of 24 hours.
- Step 2 Low impact, light aerobic exercise. Walking or stationary cycling at slow to medium pace. No resistance/weight training
- Step 3 Basic exercise, such as running. No helmet or other equipment, weight training/resistance training (light weight, high reps)

 Step 4 – Non-contact, sport specific training drills (football routes
- basketball ball handling drills, batting, fielding, etc). Normal Resistance & Weight training may begin, equipment partial (helmet only)
- Step 5 Full Contact practice & participation in normal training activities in full equipment







15



CONCUSSION MANAGEMENT PROTOCOL + FOOTBALL RETURN TO SPORT PROTOCOL



BENEFITS OF AN EMERGENCY ACTION PLAN

Risk management strategy: more positive patient outcomes Staff is more prepared for emergency situations • Ensures that appropriate care is provided in a timely manner

Protects liability of Athletic Trainer, Coaches, and school

Decrease chance of legal action taking place

Leads to a more effective emergency response

administration

16

EMERGENCY ACTION PLAN (EAP)

- An EAP is necessary for any school and all of the venues within these institutions where athlete's participate & compete.
 An Emergency Action Plan (EAP) is a written document detailing the
- preparations and on-site emergency response for any type of catastrophic injury in the pre-hospital phase
- injury in the pre-nospital phase

 An EAP outlines and facilitates the immediate actions that must take place
 in any emergency, ensuring timely care for patient(s) outcomes

 Given that life-threatening emergencies may occur at any time & place,
 with or without the athletic trainer on site, it is critical that athletic
 programs not solely rely on a healthcare team members to develop & execute the EAP.
- The first 10 minutes of an emergency response are critical to the patient's
- To ensure successful development of the EAP, schools and organization should designate an individual to serve as the EAP coordinator. (repressible for the development, facilitating communication, access to emerging equipment, practice, rehearsal, and documentation.





17 18

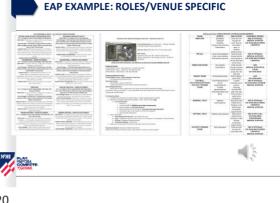
EAP COMPONENTS

- Emergency Personnel Describe the emergency team involved when the EAP is activated and the roles of each person
 Emergency Communication What communication devices are available,
- Emergency Communication What communication devices are available, where, what number to call in an emergency, specific information and directions to the venue to provide EMS response team
 Emergency Equipment Location of equipment should be quickly accessible and clearly listed. Equipment needs to be maintained on a regular basis
 Medical Emergency Transportation Describe options and estimated

- Medical Emergency Iransportation Describe options and estimated response times for emergency transportation
 Venue Directions with a Map should be specific to the venue and provide instructions for easy access to venue
 Roles of the First Responders Establish scene safety and immediate care of the athlete, activation of EMS, equipment retrieval, direction of EMS to the
- Emergency Action Plan for non-Medical Emergencies These emergencies can refer to the school emergency action plan.



19



20



- Purpose the medical timeout is to identify Purpose the medical timeout is to identify all personnel present and what their respective roles will be in the event of a medical emergency involving an athlete on the field of play, cheerleader or possibly a spectator in the stands - Home Staff & Visting Staff - Role Delineation (ATC, MD, EMT, Coach, Athletto Director - Venue Specific EAP -
- Identify location of equipment Challenges in Communication Review, rehearse, and document



21



- ALL thunderstorms produce lightning and are dangerous.
- Lightning often strikes as far as 10 miles away from the storm.
- If you can hear thunder, you are in danger.
- After the last thunder is heard or cloud to ground lightning is seen, 30 minutes should expire before the game can restart.
- Schools should have a plan in place on where to safely put teams and spectators in case of thunderstorm.

22

LIGHTNING GUIDELINES







PRE-SEASON RISK MINIMIZATION MANUAL

Seven Keys to minimize risk:

- 1. Football Helmet Inspection
- 2. Concussion Management
- 3. Return to Play Protocol 4. Return to Learn Protocol
- 5. Levels of Contact
- 6. Heat Acclimatization
- Hazardous Weather



23 24





PRESEASON INFORMATION

- The first two days of practice will consist of no person to person
- contact work of any kind.

 Helmets and mouth pieces may be worn during the first two days of
- The IHSAA recommends that during these two days of preconditioning, helmets only be worn when players are doing football drills. It is recommended that during calisthenics, stretching, agilities, or any other time the players are not doing drill work that the helmets be removed.
- However, during the first two days of practice, it is permitted to use blocking dummies, hand shields, blocking sleds, and tackling rings for individual drill work.





25



26

PRESEASON INFORMATION

- Beginning on day six, full person-to-person contact is allowed
- All these guidelines are team requirements, not individual requirements. If a player shows up for practice on Day 3, the head coach and athletic director will determine the appropriate placement of the individual to begin
- Likewise, if Day 2 of practice is cancelled due to inclement weather, the head coach and athletic director will determine if shoulder pads are worn the next day as Day 3 practice, or will Day 2 practice be observed.





27



HUDL VIDEO EXCHANGE

- All IHSAA football playing schools (5A, 4A, 3A, 2A, 1A, A, 8 Player) are now part of a single HUDL pool.
 - · Any school in any class is now able to view video from any of the IHSAA football playing schools throughout the football season.
 - Previous IFCA/IHSAA guidelines still in place.
 - · Coaches are expected to enter their Friday game by 12 PM the following Saturday, or 12 PM the following Sunday if playing on Saturday
 - · Scrimmage and Week 0 film does not need to be uploaded to the pool
 - All video exchange concerns need to be shared with the IFCA



29

PRESEASON INFORMATION

 During days three, four and five of practice, helmets, mouth pieces, and shoulder pads are allowed. Contact above the waist is permitted, but players should not be brought to the ground. Contact with sleds, dummies, shields, and pads are allowed during days three, four, and five.





PRESEASON INFORMATION

- Beginning with practice on Monday, August 26, each individual player is limited to 30 minutes of contact per day using the USA Football definitions of levels of contact. In addition, each player is limited to 90 minutes of contact per week using the USA Football definitions of levels of contact.
 - THUD: Drill is run at assigned speed through the moment of contact; no pre-determined "winner." Contact remains above the waist, players stay on their feet and a quick whistle ends the drill.
 - Live: Drill is run in game-like conditions and is the only time that players are taken to the ground.
- It is an individual rule, not a team rule.





28

SCHOLARSHIP RULE

- Changed to 20 calendar days
- First competition date Thursday, August 22
- Regain eligibility on September 11
- Local districts are permitted to have stricter academic eligibility policies







GAME/QUARTER LIMITATION

 A player may dress for no more than two games per day as the maximum, and they may not play A player may cress to no more than two games per gay as the maximum, and they may not in any part of more than five quateries in the two games. A reminder that a player may only participate in 3 quarters per week. A week is defined as Sunday through Saturday. This would count as one game toward the player's game limitation. A player's participation in one or me quarters of a game constitutes a game with the following two exceptions. One play equals or quarter.

quarter
Exception Onc: Once a game has reached a 35-point differential, a substitute who enters the
game for the first time at that point is not required to count that game toward the 14-game
limitation rule, if the game differential falls below 35 points, it still does not count toward the 14game limitation rule, in which a player may not play in any part of more than five quarter
limitation rule in which a player may not play in any part of more than five quarters in one day or
a total of 8 quarters per week.
Exception Two: A player who participates in only free kick downs and scrimmage kick downs
during the game is not charged with game participation as it relates to the 14-game player
limitation rule nor do these free kick or scrimmage kick downs count toward the five-quarter
dislik/eith nuarters weekly rule

daily/eight quarters weekly rule.



31



REGULAR SEASON REMINDERS

- National Anthem Protocol
- The Iowa Football Coaches Association recommends that during the regular season schools shall be on the field during the playing of the National
- National Anthem should take place 5 minutes prior to kickoff.
- Sample Agenda:
 - 7:00 PM Kickoff • 6:57 PM Mock Coin Toss
- Additional Time on Field would depend on home team's marching band performance during pregame.
- Both teams are required to have 30 minutes of uninterrupted pre-game warm up.



32



35 POINT RULE

- The 35-point differential rule is in effect for all games played in lowa, grades 7-12. If
 there is a 35-point differential <u>anytime during the contest</u>, the game will be
 continued with a running clock. Beginning with the ensuing kick-off when the 35point differential becomes effective, the following changes, and only these changes,
 will be made regarding rules determining when the clock will and will not be stopped.
- . The clock will run continuously except for the following situations when it will be
- Anytime a time-out is charged to a team;
- (2) After a score;
 (3) Intermission between first and second quarter;
 (4) Intermission between third and fourth quarter;
- (5) Administration of a penalty;
- (6) Extended injury time-out;
 (7) Anytime officials determine it is necessary for safety reasons
- Anytime the score differential gets below 35 points, regular timing procedures will be



33



POSTSEASON FOOTBALL

- · Wilson Agreement
- · GST NCAA 1003 Official Pattern Leather
- GST Prime
- · IHSAA will not ship footballs out to hosts
- · Footballs will be provided in the UNI-Dome for semifinals and finals if a school doesn't bring three footballs to use
- · Schools will be required to provide age-appropriate ball boys during all post season contests.





34



2024 POLICY CHANGES THROUGH ADVISORY COMMITTEE

- Any regular season forfeiture due to lack of available players, the school is ineligible for the postseason and 8-Player through Class 2A schools cannot play Week 9
- 17-point tiebreaker for Class 3A and 4A automatic spots
- To allow required weight room sessions to be outside of four-hour window
- Schools may practice either on the Saturday or Sunday following the first allowable scrimmage date
- · To allow four teams to scrimmage each other at the same site



7-person officiating crews in the semifinals and the semi



2024 POLICY CHANGES THROUGH ADVISORY COMMITTEE

- · Host criteria for 8-Player, Class A, Class 1A and Class 2A
- · Round of 32
 - No change; district champion and runner-up hosts
- Round of 16
 - · District finish, head to head, IHSAA rankings, district losses, alphabet draw
- Quarterfinals
- · Head to head, IHSAA rankings, district finish, district losses, alphabet draw





35 36

DRONES

- Regular season up to host school
- Postseason needs approval from IHSAA
- Need to follow FAA regulations, including but not limited to
 - the small unmanned aircraft does not operate over nonparticipants who are not under a covered structure or in a stationary covered vehicle (non-participant defined as a person not directly involved in the flight operation)
 - the small unmanned aircraft will pose no undue hazard to other aircraft, people, or property in the event of a loss of control of the aircraft for any reason (§ 107.19)





37

39

38



- The pep/marching band may play during pre-game, halftime, quarter breaks, and time-outs. Once the center is over the ball, there is to be no music played by the pep/marching band, nor any artificial noise, including music, over the public address system.
- Immediately after a down has finished and before the center is over the ball, the band may play during that very quick interval. Pep/marching bands that violate this protocol may subject their team to penalties which could include 5-yard delay of game penalties, all the way to 15yard unsportsmanlike penalties.



2024 NFHS FOOTBALL RULES CHANGE

HOME JERSEYS RULE 1-5-1b(3)



Jerseys of the home team shall all be the same dark color(s) that clearly contrasts to white.



40





These jerseys are legal because it is the same dark colors. All players on this home team shall wear the same dark colored jerseys in order to comply with the

HOME JERSEYS RULE 1-5-1b(3)



These jerseys of the home team are illegal because all members of the home team must wear the same dark color(s) that clearly contrasts to white.

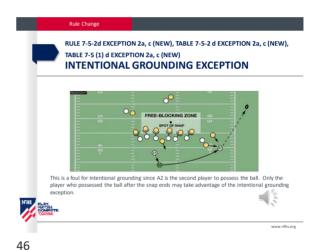
42

41





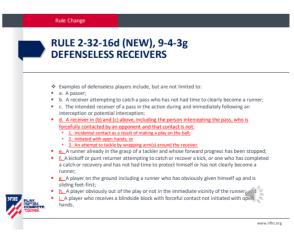


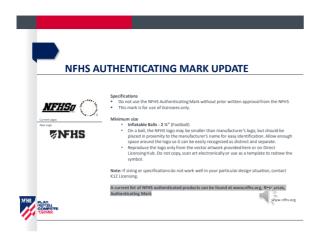


www.nih.cog

Towels do not have to be the same solid color for each







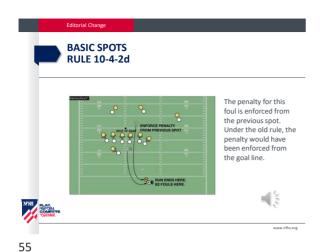


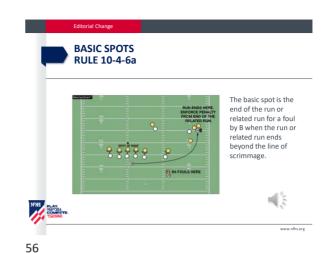
SIGNAL CHART

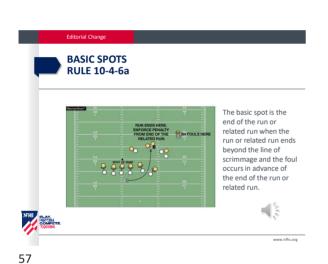
Signal 43 will be used to indicate illegal use of hands/arms as well as illegal block. Signal 42, formerly used for illegal use of hands/arms, will indicate holding only.

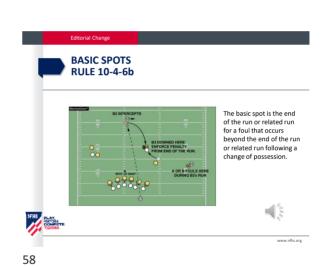




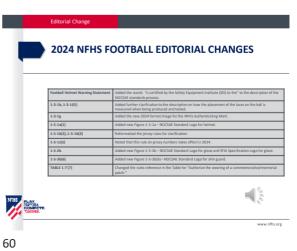


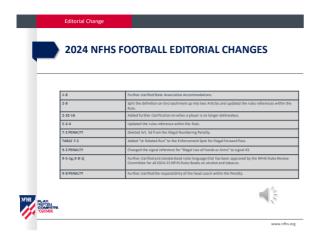












2024 NFHS FOOTBALL POINTS OF EMPHASIS

FIGURE TITLE

63

2024 NFHS FOOTBALL POINTS OF EMPHASIS

1. Sportsmanship and Altercation Prevention and Protocol
2. Player Equipment and Enforcement
3. Formations
4. Electronic Equipment

SPORTSMANSHIP AND ALTERCATION
PREVENTION AND PROTOCOL

Coaches must teach,
promote, model and set clear
standards of behavior for
themselves, players and fans.
Game officials must fairly and
consistently enforce NHS
rules in all aspects related to
unsporting behavior by
coaches and participants.
clearly understand that
education-based athletics is
an extension of the classroom
and is about more than just
winning and losing.

SPORTSMANSHIP AND ALTERCATION PREVENTION AND PROTOCOL

Fights that escalate beyond the initial incident tend to do so because others run toward the fight. Coaches are urged to instruct their team and even practice what to do in case an altercation occurs.

66

64

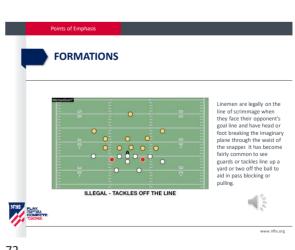




PLAYER EQUIPMENT AND ENFORCEMENT

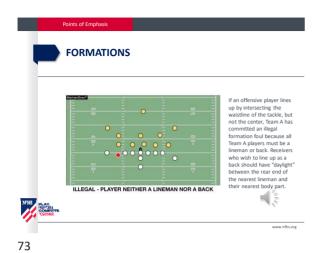
Due to potential injury, it is essential that players only be allowed to participate if their pants and knee pads comply with the rules. Pants must completely cover the knees, and knee pads must be worn over the knee.





FORMATIONS

A legal formation has no more than four players in the backfled. A back is any A player who has no part of his body breaking the plane of an imaginary line drawn parallel to the line of scrimmage through the waits of the nearest teammate who is legally on the line, except for the player under the snapper, who is also considered a back.





ELECTRONIC COMMUNICATION

Current rules still restrict how coaches and nonplayers communicate with those on the field of play
Helmet communication, digital wristbands, electronic display boards are not legal methods under NFHS rules
Unsportsmanlike Conduct Foul charged to head coach
Electronic communication allowed during an outside 9-yard mark conference or when athlete not on the field