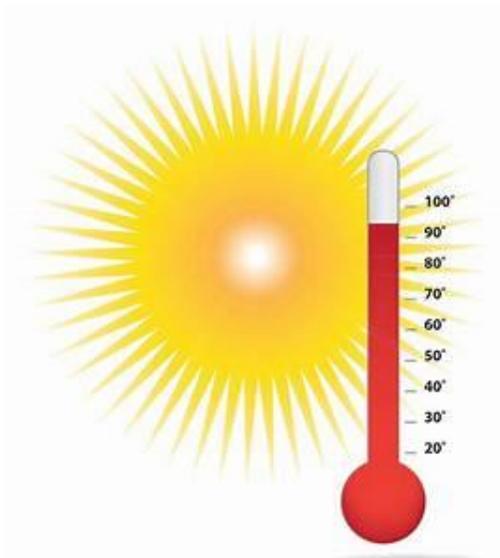




City Heights Preparatory Charter School Heat Related Illness Prevention Plan



Title 8 California Code of Regulations Section 3395

City Heights Preparatory Charter School HEAT RELATED ILLNESS PREVENTION PLAN

1. POLICY

The purpose of this program is to ensure that all City Heights Preparatory Charter School employees, working in outdoor places of employment or in other areas when environmental risk factors for heat illness are present, are protected from heat illness and are knowledgeable of heat illness symptoms, methods to prevent illness, and procedures to follow if symptoms occur.

2. SCOPE

The Heat Illness Prevention Program applies to all City Heights Preparatory Charter School employees em that may be at risk of heat illness and applies to all indoor and outdoor places of employment where environmental risk factors for heat illness are present. Affected employees may include Grounds, Custodial and Maintenance.

3. DEFINITIONS

Acclimatization - The temporary adaptation of the body to work in the heat that occurs gradually when a person is exposed to it. Acclimatization peaks in most people within four to fourteen days of regular work for at least two hours per day in the heat.

Heat Illness - A serious medical condition resulting from the body's inability to cope with a particular heat load, and includes heat cramps, heat exhaustion, heat syncope and heat stroke.

Environmental risk factors for heat illness - Working conditions that create the possibility that heat illness could occur, including air temperature, relative humidity, radiant heat from the sun and other sources, conductive heat sources such as the ground, air movement, workload severity and duration, protective clothing and personal protective equipment worn by employees.

Personal risk factors for heat illness - Factors such as an individual's age, degree of acclimatization, health, water consumption, alcohol consumption, caffeine consumption, and use of prescription medications that affects the body's water retention or other physiological responses to heat.

Preventative recovery period - A period of time, at least five minutes, used to recover from the heat in order to prevent further heat illness.

Shade – Blockage of direct sunlight. Needed when outside temperatures are above 85 degrees Fahrenheit. Canopies, umbrellas and other temporary structures or devices may be used to provide shade. One indicator that blockage is sufficient is when objects do not cast a shadow in the area of blocked sunlight. Shade is not adequate when heat in the area of shade defeats the purpose of shade, which is to allow the body to cool. For example, a car sitting in the sun does not provide acceptable shade to a person inside it, unless the car is running with air conditioning.

4. RESPONSIBILITY

Risk Management – It is the responsibility of the Risk Manager to provide information and direction to managers, supervisors and staff to prevent heat illness. This may include daily heat alerts and instructions when temperatures are believed to be in *excess of 90 degrees Fahrenheit*.

Managers and Supervisors – It is the responsibility of managers and supervisors to ensure that all elements of this policy are implemented.

- (a) Affected managers and supervisors shall attend heat training and implement heat prevention methods as required.
- (b) Managers and supervisors are responsible for encouraging affected employees to drink water frequently and for reminding the employees of the steps to prevent heat illness.
- (c) In the event of an employee's heat illness, supervisors and/or managers must report the incident and get medical assistance for the employee, and complete all necessary forms from Company Nurse and Workers Compensation.

Affected Employees – It is the responsibility of all affected employees to follow the established procedures to ensure their safety and prevent heat illness. Employees shall report any incident of heat illness immediately to their supervisors. Employees shall attend training as required.

5. TRAINING

Employee Training: Training in the following topics shall be provided to all supervisory and non-supervisory employees:

- (a) The environmental and personal risk factors for heat illness;
- (b) The employer's procedures for complying with the requirements of this standard;
- (c) The importance of frequent consumption of small quantities of water, **up to 4 cups per hour**, when the work environment is hot and employees are likely to be sweating more than usual in the performance of their duties;
- (d) The importance of acclimatization;
- (e) The different types of heat illness and the common signs and symptoms of heat illness;
- (f) The importance to employees of immediately reporting to the employer, directly or through the employee's supervisor, symptoms or signs of heat illness in themselves, or in co-workers;
- (g) The employer's procedures for responding to symptoms of possible heat illness, including how emergency medical services will be provided should they become necessary.
- (h) The employer's procedures for contacting emergency medical services, and if necessary, for transporting employees to a point where they can be reached by an emergency medical service provider;
- (i) The employer's procedures for ensuring that, in the event of an emergency, clear and precise directions to the work site can and will be provided as needed to emergency responders.

Note: All communication for employees shall be in a form readily understandable by all affected employees.

Manager and Supervisor Training: Prior to assignment to supervision of employees working in the heat, training on the following topics shall be provided:

- (a) The information required to be provided by the section above;
- (b) The procedures the supervisor is to follow to implement the applicable provisions of this section.

- (c) The procedures the supervisor is to follow when an employee exhibits symptoms consistent with possible heat illness, including emergency response procedures.

6. HEAT ILLNESS PREVENTION ELEMENTS

The elements reflected within this Heat Illness Prevention plan are those contained in Title 8 of the California Code of Regulations, and consist of the following:

- A.** Provision of Water
- B.** Access to Shade
- C.** Written Procedures
- D.** Training

A. PROVISION OF WATER

To ensure access to sufficient quantities of potable drinking water, the following steps will be taken:

- (a) Water shall be provided in sufficient quantity at the beginning of the work shift to provide one quart per employee per hour for drinking for the entire shift. Supervisors or a designated person will monitor water containers every 30 minutes, and employees are encouraged to report to supervisor/designated person low levels or dirty water.
- (b) When drinking water levels within a container drop below 50%, the water shall be replenished immediately; or water levels should not fall below that point that will allow for adequate water during the time necessary to effect replacement.
- (c) Disposable/single use drinking cups will be provided to employees, or provisions will be made to issue employees their own cups each day.

To encourage frequent drinking of potable water, the following steps will be taken:

- (a) Supervisors will provide frequent reminders to employees to drink frequently, and more water breaks will be provided.
- (b) Every morning there will be short tailgate meetings to remind workers about the importance of frequent consumption of water throughout the shift.
- (c) Place water containers as close as possible to the workers, not away from them.

B. ACCESS TO SHADE

To ensure access to shade at all times, the following steps will be taken:

- (a) If other means of shade is not available, supervisors/designated person(s) will set-up an adequate number of umbrellas, canopies or other portable devices. These devices should be placed in close proximity to the work activity.
- (b) Employees may have access to offices or other buildings with air conditioning.
- (c) Every morning there will be short tailgate meetings (in a language readily understandable to the employees) to remind workers about the importance of rest breaks and the location of shade.

To ensure that employees have access to a preventative recovery period, the following steps will be taken:

- (a) The employees will be provided access to an area with shade that is either open to the air or provided with ventilation or cooling for a period of no less than 5 minutes.
- (b) Access to shade shall be permitted at all times.

C. WRITTEN PROCEDURES

To reduce the risk of heat-related illness (HI) and to respond to possible symptoms of HI, the following steps will be taken:

- (a) All employees will be trained prior to working outdoors.
- (b) Working hours for classified employees may be modified to work during the cooler hours of the day, if possible.
- (c) When a modified or shorter work-shift is not possible, more water and rest breaks will be provided.

To ensure that emergency medical services are provided without delay, the following steps will be taken:

- (a) Supervisors will continuously check all employees, and stay alert to the presence of heat related symptoms.
- (b) Supervisors will carry cell phones or other means of communication, such as district hand held radios, to ensure that emergency services can be called, and check that these are functional at the work site prior to each shift.
- (c) Every morning, workers will be reminded about address and directions to the worksite and emergency procedures.

D. TRAINING

To ensure employees are trained, the following steps should be taken:

- (a) All employees will receive heat illness prevention training prior to working outdoors, especially all newly hired employees.
- (b) All newly hired workers will review procedures with an experienced coworker to ensure that they understood the training and follow district procedures.
- (c) Supervisors will be trained prior to being assigned to supervise outdoor workers.
- (d) Primary and secondary employers will ensure that all employees' working outdoors are trained in heat illness prevention.
- (e) Training will be in a language readily understandable to the employee.
- (f) Records of attendance (training rosters) will be kept for each training session and filed at the employees' primary reporting site.
- (g) Employees must be given the opportunity to ask questions at each training session.
- (h) Training records will be provided to OSHA representatives upon request.

To ensure supervisors are provided training, the following steps should be taken:

- (a) At or near the time of inception of this Heat Related Illness Program, supervisors will be trained in the requirements as stated above.
- (b) Upon promotion to a supervisory position new supervisors will be trained in the requirements stated in (a) above.

7. FIRST AID FOR HEAT RELATED ILLNESSES:

Heat Cramps

- Heat cramps are muscular pains and spasms due to heavy exertion. They usually involve the abdominal muscles or the legs. It is generally thought that the loss of water and salt from heavy sweating causes the cramps.
- **First Aid for heat cramps:**
 - (a) Have him/her stop activity and rest in a cool shady area.
 - (b) If he/she is fully awake and alert, have him/her drink small amounts of cool water or a commercial sports drink (water is best).
 - (c) Gently stretch the cramped muscle and hold for about 20 seconds, then gently massage the muscle. Repeat if necessary. If the victim has no other signals of heat-related illness, he/she may resume activity after the cramps stop.

Heat Exhaustion

- Heat exhaustion is the next, more serious stage of heat-related illness. It is signaled by:
 - (a) Cool, moist, pale skin. (The skin may be red right after physical activity)
 - (b) Headache
 - (c) Dizziness and weakness or exhaustion.
 - (d) Nausea
 - (e) The skin may or may not feel hot.
- **First Aid for heat exhaustion:**
 - (a) Get the person to a cooler shady area and have him/her rest in a comfortable position.
 - (b) If fully awake and alert, give a half glass of cool water every 15 minutes, do not let him/her drink too quickly. Do Not give liquids with alcohol or caffeine in them, as they can make conditions worse.
 - (c) **Call 911** for medical assistance if the person refuses water, vomits or loses consciousness.

Heat Stroke

- Heat stroke is the late stage of heat-related illness and is **life threatening**. Symptoms include
 - (a) Vomiting
 - (b) Decreased alertness, confusion, or complete loss of consciousness
 - (c) High body temperature (above 103 degrees F, sometimes as high as 105 degrees F)
 - (d) Skin may still be moist or the victim may stop sweating and the skin may be red, hot and dry.
 - (e) Rapid weak pulse.
 - (f) Rapid shallow breathing. This stage of heat-related illness is serious and **life threatening**. **Call 911 immediately**.
- **First Aid for heat stroke:**
 - (a) **Help is needed fast. Call 911 for help immediately.**
 - (b) Move person to a cooler shady area.
 - (c) Quickly cool the body. Wrap sheets around the body and fan it. If you have access to ice packs or cold packs, wrap them in a cloth and place them on each of the victim's wrists and ankles, in the armpits and on the neck to cool the large blood vessels. (Do not use rubbing alcohol because it closes the skin's pores and prevents heat loss.) Watch for signals of breathing problems and make sure the airway is clear. Keep person lying down. Stay with him/her until medical help arrives and takes over.

8. ACCESS TO MEDICAL FACILITIES

Employees working in the field should know where the nearest emergency medical facilities, including fire stations are located. Likewise, when a field employee changes locations, he or she should know the address of the sites or landmarks nearby the work location in the event emergency medical assistance is required. If medical assistance is necessary, provide clear and precise directions to the worksite.

9. DISTRIBUTION

Distribution of the above policy/procedures includes all employees and supervisors of employees as defined in Section 2.

HEAT SAFETY

Supervisor's Daily Checklist

WATER

- Is there plenty of fresh, cool drinking water located as close as possible to the workers?
- Is there a plan for refilling water coolers throughout the day?

SHADE AND REST

- Is a shade structure available at all times (regardless of the weather) for workers to rest and cool down?
- Is the shade structure up and ready when the weather is forecast is 85°F or higher?
- Do you have a plan in place for checking the weather forecast?

TRAINING

- Have workers been trained to recognize and prevent heat illness BEFORE they start working outdoors?
- Can workers identify symptoms of heat stress?
- Is there a special plan in place to allow workers to get used to the heat?

EMERGENCY PLAN

- Does everyone know who to notify if there is an emergency?
- Can workers explain their location if they need to call an ambulance?
- Does everyone know who will provide first aid?

WORKER REMINDERS

- Have workers been reminded to:
- Drink water frequently?
- Rest in the shade for at least 5-minutes as needed?
- Look out for one another and immediately report any symptoms?