

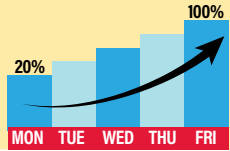


# Prevent Heat Illness at Work

Mines can be hot work sites.

## Ways to Protect Yourself and Others

**Ease into Work.** Nearly 3 out of 4 fatalities from heat illness happen during the first week of work.



- ✓ **New and returning** workers need to build tolerance to heat (acclimatize) and take frequent breaks.
- ✓ **Follow the 20% Rule.** On the first day, work no more than 20% of the shift's duration at full intensity in the heat. Increase the duration of time at full intensity by no more than 20% a day until workers are used to working in the heat.



### Drink Cool Water

Drink cool water even if you are not thirsty – at least 1 cup every 20 minutes.



### Take Rest Breaks

Take enough time to recover from heat given the temperature, humidity, and conditions.



### Find Shade or a Cool Area

Take breaks in a designated shady or cool location.



### Dress for the Heat

Wear a hat and light-colored, loose-fitting, and breathable clothing if possible.



### Watch Out for Each Other

Monitor yourself and others for signs of heat illness.



### If Wearing a Respirator

Verbally check on workers frequently if they are wearing a respirator or other personal protective equipment.

## First Aid for Heat Illness

**The following are signs of a medical emergency!**



- Abnormal thinking or behavior
- Slurred speech
- Seizures
- Loss of consciousness

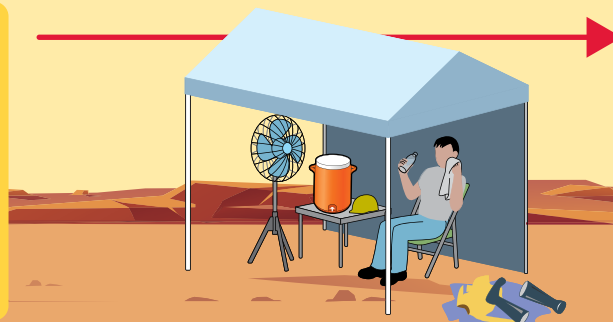
- 1 » **CALL 911 IMMEDIATELY**
- 2 » **COOL THE WORKER RIGHT AWAY WITH WATER OR ICE**
- 3 » **STAY WITH THE WORKER UNTIL HELP ARRIVES**



**Watch for any other signs of heat illness and act quickly. When in doubt, call 911.**

### If a worker experiences:

- Headache or nausea
- Weakness or dizziness
- Heavy sweating or hot, dry skin
- Elevated body temperature
- Thirst
- Decreased urine output



### Take these actions:

- » Give water to drink
- » Remove unnecessary clothing
- » Move to a cooler area
- » Cool with water, ice, or a fan
- » Do not leave alone
- » Seek medical care if needed

**For more information: 1-800-321-OSHA (6742)  
TTY 1-877-889-5627 [www.osha.gov/heat](http://www.osha.gov/heat) or  
1-800-746-1553 [www.msha.gov/heat-stress](http://www.msha.gov/heat-stress)**

Federal law entitles you to a safe workplace. You have the right to speak up about hazards without fear of retaliation. See [www.osha.gov/workers](http://www.osha.gov/workers) for information about how to file a confidential complaint with OSHA and ask for an inspection.

