

Cold-Related Illnesses

INFORMATION & RESOURCES ON HOW TO AVOID COLD-RELATED ILLNESSES

Cold-related illnesses can be an issue outdoors when temperatures fall and the wind chills rise. It is important to know the signs, symptoms and precautions that should be taken as hypothermia can be deadly.

Cold-Related Illness	Symptoms	Action Needed			
Frostbite or Trench/ Immersion Foot	Redness, Numbness, Tingling, Stinging, Aching, Bluish-Waxy Skin, Grey/White Patches, Blisters	Move to a warm place. Remove wet cloth- ing. Dry the skin. Do not walk if on feet. Immerse in warm water or put hand under armpits. Do not rub.			
Early Hypothermia	Shivering, Fatigue, Confusion, Disorientation, Loss of Consciousness	Move to a warm place. Remove wet clothing. Warm the core first. Drink warm non-alcoholic beverages. Seek medical attention as needed.			
Late Hypothermia	Shivering Stops, Blue Skin, Dilated Pupils, Slow Pulse, Slow Breathing, Loss of Consciousness	Call 911. Quickly move the person to a warm place. Remove wet clothing. Warm the body core first with electric blanket or body heat. Provide CPR as necessary.			

While there is no specific PESH/OSHA standard to protect workers from low working temperatures, cold-related illnesses are a recognized hazard and controls can be enforced using the General Duty Clause. Severe cold related situations could be considered imminent danger.

Workers are at greatest risk of cold illnesses when low temperatures are combined with greater wind speeds creating the feeling of lower temperatures known as the wind chill. OSHA recommends that employers use the Work/ Warm Up Schedule for a 4 Hour Shift.

Air TemperatureSunny Sky No Noticea		e Wind	5 mph Wind		10 mph Wind		15 mph Wind		20 mph Wind	
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Schedule applies to any 4-hour work period with moderate to heavy work activity; with warm-up periods of ten (10) minutes in a warm location and with an extended break (e.g. lunch) at the end of the 4-hour work period in a warm location.

WHAT EMPLOYERS SHOULD DO

- Train employees to recognize signs and symptoms of cold-related illnesses and proper first aid treatment.
- Use the OSHA recommended work/warm up schedule to assist in limiting exposure to extreme cold.
- Assign indoor work or work that can be done from a heated vehicle during extreme low temperatures.
- Schedule required outdoor work tasks when the temperatures are the highest during the day. Postpone any unnecessary outdoor tasks until warmer weather.
- When cold weather starts, begin activities in shorter time periods until workers are used to the colder temperatures.
- Rotate workers through long outdoor work activities with plenty of warm up breaks.
- Provide warming/rest areas where heat is available.
- Have employees moved to warming areas at the first signs of cold-related illnesses and provide first aid treatment.
- Provide water, electrolyte and warm drinks. Hydration is key.

OUTDOOR CLOTHING

Even though there are no regulations that require employers to provide cold weather gear, employers should consider supplying proper winter clothing for employees who are expected to work outdoors in cold temperatures. Employers should evaluate any provided cold weather gear to ensure that each garment is appropriately designed for the temperatures that workers will be exposed to.

Workers should wear three layers:

- an inner and a middle layer of wool or synthetic and
- an outer layer that is preferably waterproof.

The head and ears should always be covered and gloves and boots should be insulated and waterproof if possible.

If gloves or socks become saturated, the feet and hands should be dried and garments should be swapped out for a dry pair.

For more information and resources visit:

www.cseany.org/osh



CSEA has been winning the fight for safe and healthy working conditions for over 100 years, yet there is more to be done. Hazards old and new- from Asbestos to Zikaremain a threat to workers every day. CSEA will not back down from the fight and nothing is more important than saving lives and keeping workers free from injury. Your help is needed now more than ever. The life you save could be **YOUR OWN**.

