HEAT STRESS
Exposure to extreme heat can make you seriously ill. Factors that affect the probability of becoming ill include your physical activity, clothing, humidity, age, and state of health. If left unchecked, a heat-related illness can become serious in a relatively short period.

If your work keeps you in areas with high temperatures for long periods, it is especially important that you recognize the signs of a heat-related illness.

Heat cramps, heat exhaustion, and heat stroke are conditions caused by overexposure.

HEAT CRAMPS
Heat cramps usually are the first symptom of overexposure. The symptoms of heat cramps are painful muscle spasms. Care for heat cramps is rest and fluids. DO NOT take salt tablets, instead, use electrolyte packets. Activity can resume when the cramps subside, but fluid intake should continue.

HEAT EXHAUSTION
Heat exhaustion is more severe than heat cramps. Wearing heavy clothing in hot, humid environments increases the likelihood of getting heat exhaustion. Symptoms include cool, moist, pale, or flushed skin, headache, nausea, dizziness, weakness, and exhaustion.

HEAT STROKE
Heat stroke is the most severe heat emergency. It often occurs when individuals ignore the early signs and symptoms of a heat-related illness. Heat stroke is a serious medical emergency caused when the body systems stop functioning. Symptoms include red, hot, dry skin; changes in consciousness; rapid, weak pulse; and rapid shallow breathing.

FIRST AID
Heat-related illnesses can usually be reversed in the early stages. The following steps should be taken:\n\bullet Get the victim out of the heat.\n\bullet Loosen any tight clothing and apply cool, wet cloths.\n\bullet Give cool water if the victim is conscious, about one glass every fifteen minutes.\n\bullet If the victim refuses water, vomits, or loses consciousness, call x5000 or (626) 395-6727 if you have not already done so.

FOR MORE INFORMATION:
Please refer to the PowerPoint document “Caltech Heat Illness Prevention Program” for more information.

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