

# HEALTH EFFECTS OF HEAT



## SHORT-TERM EFFECTS OF HEAT ON HEALTH

### DIRECT EFFECTS

DEHYDRATION  
ELECTROLYTES IMBALANCE

HEAT RASH

HEAT CRAMPS

HEAT EDEMA, SYNCOPE

HEAT STROKE

### INDIRECT EFFECTS

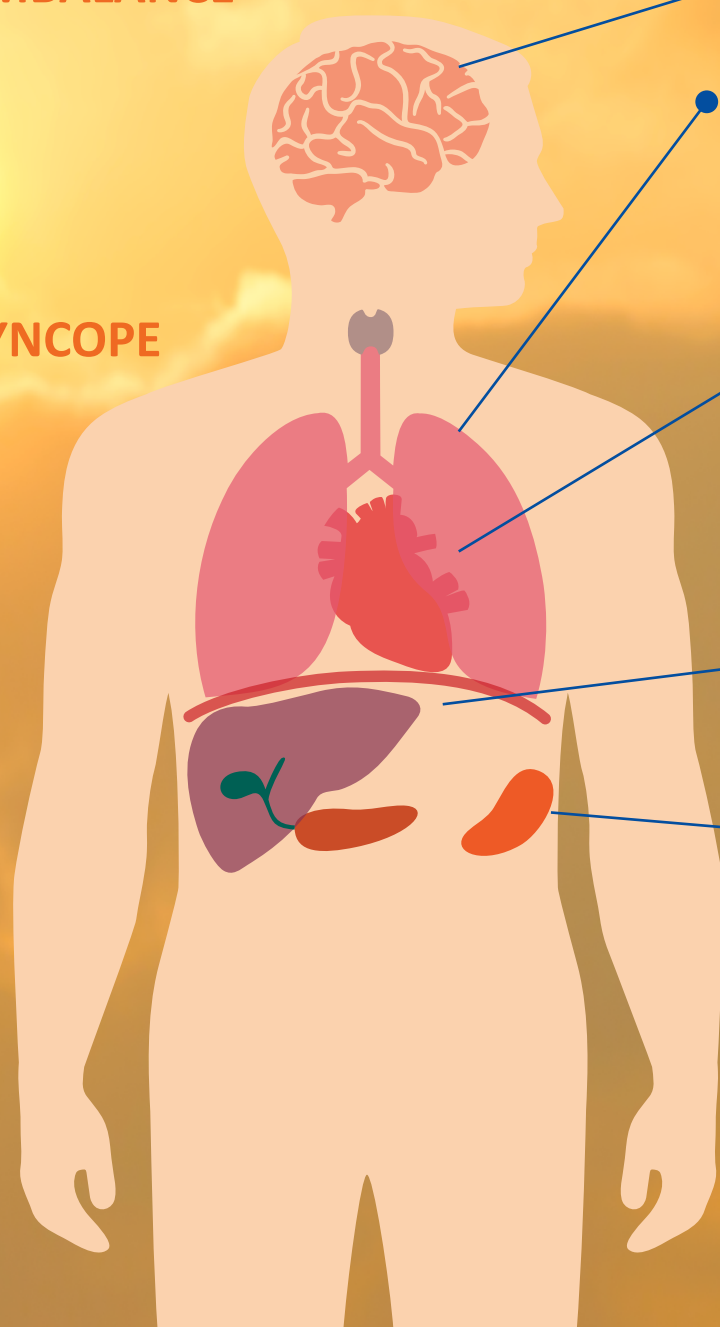
• STROKE

ASTHMA, COPD  
• REACUTIZATIONS,  
RESPIRATORY,  
INFECTIONS

ACUTE  
MYOCARDIAL  
INFARCTION  
ARRHYTHMIAS

• DIABETIC  
HYPOGLYCEMIA

• RENAL FAILURE



INCREASED AMBULANCE CALLS,  
ER VISITS, MORTALITY

## POPULATION SUBGROUPS VULNERABLE TO HEAT



ELDERLY



PREGNANT WOMEN



INFANTS



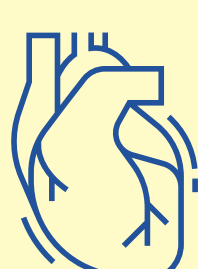
TOURISTS



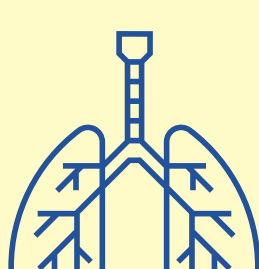
OUTDOOR WORKERS



## SUBJECTS WITH CHRONIC DISEASE VULNERABLE TO HEAT



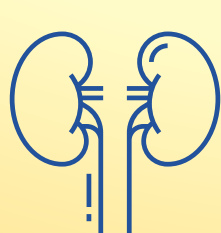
CARDIOVASCULAR



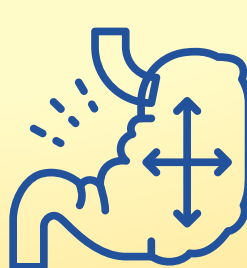
RESPIRATORY



NEUROLOGICAL  
OR MENTAL



RENAL



METABOLIC

Project partners



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