

# Exposure to Heat and Airborne Contaminants

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## Heat Exposure

- Heat Stress/Stroke
- Fatigue
- Dehydration and Kidney Disease
- Cardiovascular Disease
- Respiratory Distress
- Death
- Increase morbidity and fatality

## Air Contaminants

- Respiratory Distress
- Respiratory Track Irritation
- Asthma Attack
- Increased Respiration due to Heat Exposure
- Exposure to Carcinogens

# Exposure to Heat and Airborne Contaminants

- Changes to core temperature can alter the absorption, distribution, metabolism, and excretion of toxicants (e.g., pesticides).



- High temperatures may accelerate dispersion & increase the density of airborne particles.
- Less likely to use or correctly use PPE because of discomfort from the heat.
- Other airborne pollutants may put additional strain or have exacerbated health effects in hot environments.