Increasing temperatures and heat wave days result in elevated body temperatures. This can lead to heat stroke, heat syncope, heat exhaustion, heat cramps and heat rash.

Vulnerable groups:
- Pregnant women
- Older adults
- Children
- Low-income persons

Increasing pollen counts and pollen potency result from rising temperatures and carbon dioxide levels. Increasing mold growth following storms and flooding also causes higher rates of allergic rhinitis and asthma attacks.

Vulnerable groups:
- People with preexisting conditions
- Children

Stagnant water bodies caused by heat or drought provide a habitat for pests, such as mosquitoes and ticks. Higher temperatures also change the life cycle of certain pests that transmit diseases, such as West Nile virus and Lyme disease.

Vulnerable groups:
- Outdoor workers
- People in routine contact with animals
- People living in areas with ticks

Winter storms, flooding and landslides can cause injuries from falling trees, electrical hazards, unsafe structures and flying debris.

Vulnerable groups:
- Emergency responders
- Coastal communities
- Residents in forested communities

Displacement, illness and injury because of environmental changes can lead to anxiety, depression, suicidal ideation and disruption of social networks. Exposure to pollution has been linked to developmental delays in children.

Vulnerable groups:
- Coastal communities
- American Indians
- Farm workers
- Urban residents

Air pollution and smoke from wildfires can exacerbate preexisting conditions and cause new respiratory diseases and illness.

Vulnerable groups:
- People with preexisting conditions
- Children
- Older adults

Winter storms, flooding and harmful algal blooms can contaminate drinking water with viruses, parasites and bacteria that cause GI illness.

Vulnerable groups:
- People who eat shellfish
- Coastal communities
- American Indians
- Infants
- Private well users

Heat waves can increase heart rate, blood circulation and sweating. They can also influence metabolic changes associated with the sympathetic nervous system linked to the fight or flight response. This can cause an increase in violent behavior.

Vulnerable groups:
- Children
- Young adults

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