Climate and Health Indicators

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Indicators for extreme heat

**EXPOSURE**
Range of indicators on historic, current and future temperature (NOAA)

**OUTCOME**
CDC Environmental Public Health Tracking Network

Historic daily heat index

Projected difference in extremely hot days
Where are extremely hot days expected to be most frequent in July?

Who is at high risk from heat in the counties with the most extreme heat days?

Some communities face greater health risks from extreme heat given various risk factors they face. These communities include people who: are elderly and live alone, have existing health conditions, have poor access to healthcare, live in rural areas, work outdoors, make a low income, face difficulty paying utility bills, live in poor housing, and live in urban areas without adequate tree cover.

These risk factors vary across the 467 counties estimated to have more than 5 expected extreme hot days in July. Of these counties:

109 (23%) have a high number of people aged 65 or over, living alone.

212 (45%) have a high number of people without
Indicators for extreme heat

**EXPOSURE**
Range of indicators on historic, current and future temperature (NOAA)

**OUTCOME**
Current and historic heat-related health outcomes
Emergency Department Visits for Diagnoses Directly Indicating Heat Exposure: Variation Across Counties in the United States, 2016–2020

Heat-related ED visits per 100,000 population

Data unavailable

0-<20

20-<35

35-<60

60-150+
CDC Heat Health Tracker – Syndromic Surveillance for heat

Year
2021

Week
06/27/2021 - 07/03/2021

About the Data
The Heat-Related Illness and Temperature map shows the rate of emergency department (ED) visits associated with heat-related illness (HRI) per 100,000 ED visits by region (as defined by Health and Human Services) for the selected week using data available through the National Syndromic Surveillance Program. The colors on the map show average maximum temperature by county for the same week, using data from the National Center for Environmental Information.

(more info)
## Indicators for extreme heat

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<thead>
<tr>
<th>EXPOSURE</th>
<th>RISK REDUCTION</th>
<th>OUTCOME</th>
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| Range of indicators on historic, current and future temperature (NOAA) | - Health insurance support for air conditioners  
- Tracking patients using electricity-dependent medical equipment  
- Low-income home energy assistance  
- Energy burden  
- Thermal energy use intensity of building stock  
- Home weatherization assistance  
- Housing insecurity  
- Individuals living in mobile homes  
- Urban Heat Island mapping | Current and historic heat-related health outcomes |
Thank you!

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