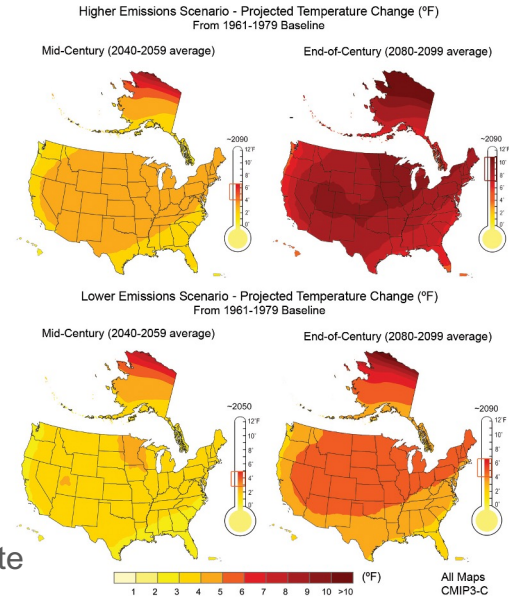


Extreme Heat Database: Findings and Future Methods

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Heat Projections in the USA for the Next 50 Years

High Heat Days in the USA: <https://www.brookings.edu/articles/data-shows-23-million-americans-live-in-places-most-at-risk-of-extreme-heat/>



<https://climatechange.chicago.gov/climate-change-science/future-climate-change>

Review of Spreadsheet

<https://docs.google.com/spreadsheets/d/1D0oxqX5Hfws2kRkuST6D87EgadTXp7pD9lvg0f5Imf4/edit?usp=sharing>

Full spreadsheet of findings

Top States and Lowest States in Policy

Michele: Top = California, Arkansas, Colorado

Lowest = Florida, Indiana, Iowa, Mississippi

Valentina: Top = New Jersey, New York, Utah

Lowest = Nevada, New Mexico, Rhode Island

Main Takeaways

- Extreme heat policies in the USA are lacking
- Some states even prevent against policy for extreme heat (See: Florida)
- Groups impacted by heat → does policy actually cover them? Why does some policy only protect certain groups of people?
- States seem to put the responsibility on individuals in the state to know the signs of heat related illnesses and to figure it out themselves when there is an extreme heat wave
 - A lot of websites with resources for people but much fewer actual policies in place
- Cooling centers
 - Some are far and few between → how do disadvantaged communities get to a cooling center if they are too far or don't have transportation? Not all homes have air conditioning or can afford air conditioning
- Water
 - Essential when there is a heat wave → what about communities that don't have clean water? Why aren't there protections in place to ensure everyone has access to clean drinking water?

Future Directions

- Analyze the amount of extreme heat policy based on politics of the state (Blue vs Red)
- What communities are not covered by existing policy
- What future policy would be most ideal for these states → what should be addressed and by when
- Are there nationwide regulations that could be put into place to address extreme heat?
Aside from OSHA's working standards
- Where does the funding for extreme heat policy actually come from? Who is supposed to pay for the initiatives?
- Are there any local movements in each state that advocate for protection from extreme heat? / what is the role of future generations in initiating these kinds of protection
- What international extreme heat policy exists? Can the USA model off of this?
- Research exists examining extreme heat impacts on athletes → how can this be broadened to more communities?