

What is CDC doing to prepare for health effects of climate change?

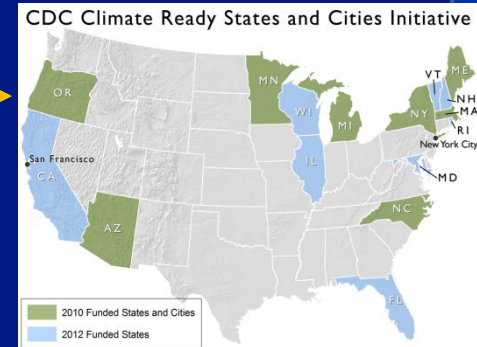
- ❑ **CDC helps states and cities prepare for health challenges of climate change by**
 - Providing scientific guidance
 - Developing decision support tools
 - Ensuring public health concerns are considered in climate change adaptation and mitigation strategies
 - *Creating partnerships between public health and other sectors*
- ❑ **CDC's Climate and Health Program – nation's only investment in climate change preparedness for public health sector**

Climate-Ready States and Cities Initiative

- ❑ **CDC effort to enhance capacity of state and local health agencies to deal with health challenges associated with climate change**
- ❑ **CDC accomplishes this by**
 - Funding 18 state and local health departments
 - Providing framework and tools for planning, implementing, and evaluating climate adaptation strategies
 - Tools to identify populations and places vulnerable to climate impacts
 - Materials to help communicate climate and health issues to public health partners (e.g., extreme heat toolkit)

Climate and Environmental Data Pathway

State and Local Health Departments



Health Studies

The National Environmental Public Health Tracking Network


*** Step 1: Select Your Content ?**

Climate Change ▾

Extreme Heat Days and Events ▾

Dates of extreme heat days ▾

☐ Show only data about children


trackingsupport@cdc.gov

*** Step 2: Choose Geography & Time ?**

▼ One County ▲

▼ Alabama

☒ Autauga

☐ Baldwin

☐ Barbour

☐ Bibb

☐ Blount

☐ Bullock

☒ 2003

☐ 2004

☐ 2005

☐ 2006

☐ 2007

☐ 2008

☐ 2009

☒ 2010

☒ Show Counties

Clear Geography

Clear Time

Step 3: Advanced Options ?

▼ Advanced Options (Required)

▼ Heat Metric

☒ Daily Maximum Temperature

☐ Daily Heat Index

▼ Advanced Options (Select One)

► Absolute Threshold

► Relative Threshold

Clear Options

*** Step 4: Submit ?**

Run Query

Climate Change | Extreme Heat Days and Events | Dates of extreme heat days | Alabama, Georgia | 2010 | Heat Metric: Daily Maximum Temperature | Relative Threshold: 90th Percentile

The network provides data on:

- Extreme heat days and events
- Heat vulnerability
- Health effects associated with extreme heat

<http://ephtracking.cdc.gov>

CDC's National Environmental Public Health Tracking Network

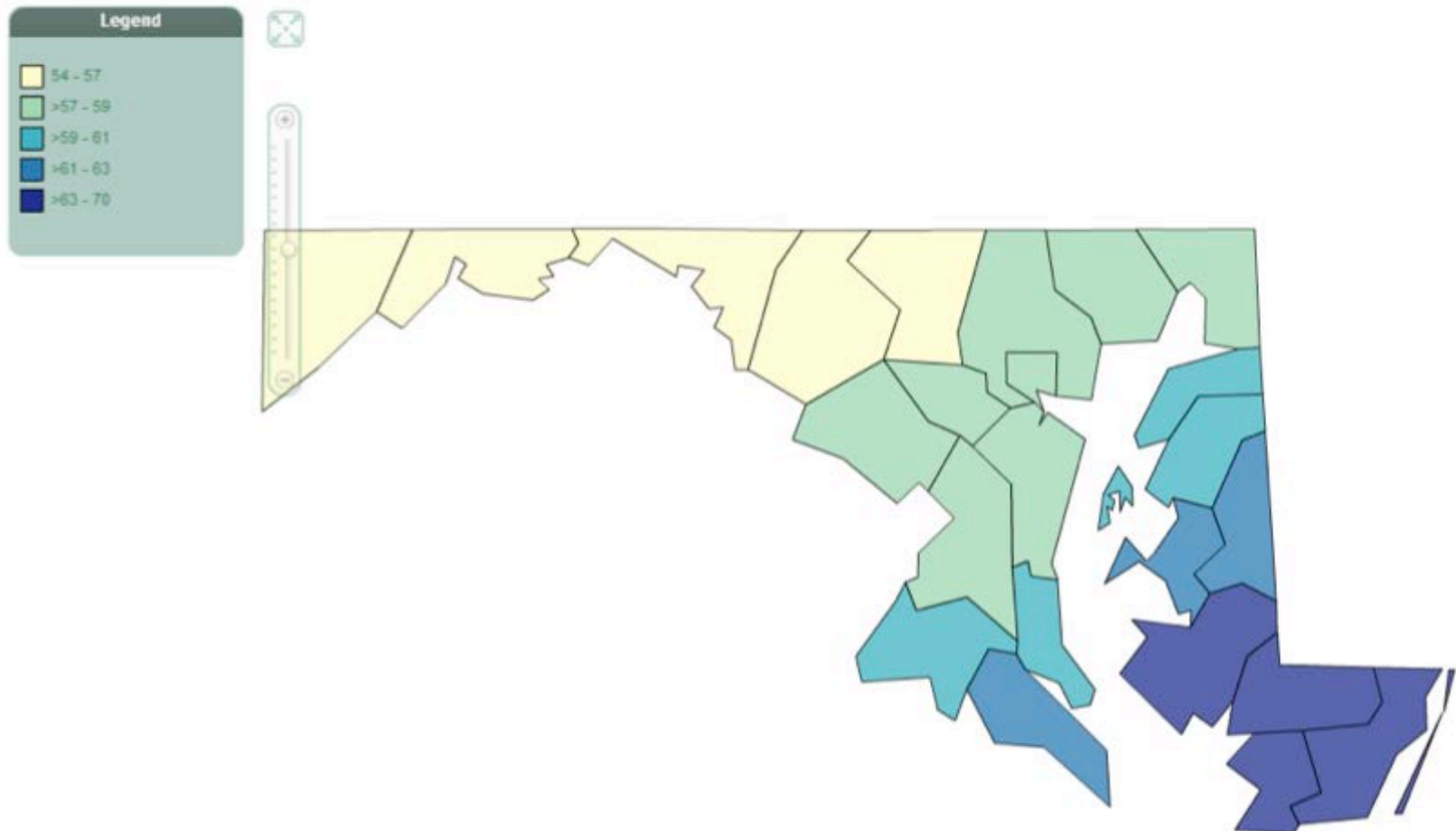
- Includes data on climate change and heat:
 - Historic temperature distribution and extreme heat days
 - Projected extreme heat days
 - Heat vulnerability
 - Heat ER visits, hospitalizations and deaths

The screenshot displays the CDC's National Environmental Public Health Tracking Network interface, which is organized into four sequential steps:

- Step 1: Select Your Content**
 - Climate Change (selected)
 - Future Projections of Extreme Heat (selected)
 - Projected Number of Future Extreme Heat Days (selected)
 - ☐ Show only data about children
- Step 2: Choose Geography & Time**
 - Geography: Louisiana, Maine, Maryland (checked), Massachusetts, Michigan, Minnesota, Mississippi, Missouri
 - Time: 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084 (checked)
 - ☒ Show Counties
- Step 3: Advanced Options**
 - Advanced Options (Required)
 - Emissions Scenario
 - ☐ Low Emissions (B1)
 - ☒ High Emissions (A2)
 - Advanced Options (Select One)
 - Absolute Threshold
 - Relative Threshold
 - ☒ 98th Percentile
- Step 4: Submit**
 - Run Query

At the bottom of the interface, there are buttons for "Clear Geography", "Clear Time", and "Clear Options". The National Environmental Public Health Tracking Program logo is visible in the bottom left corner.

Maryland (2084)

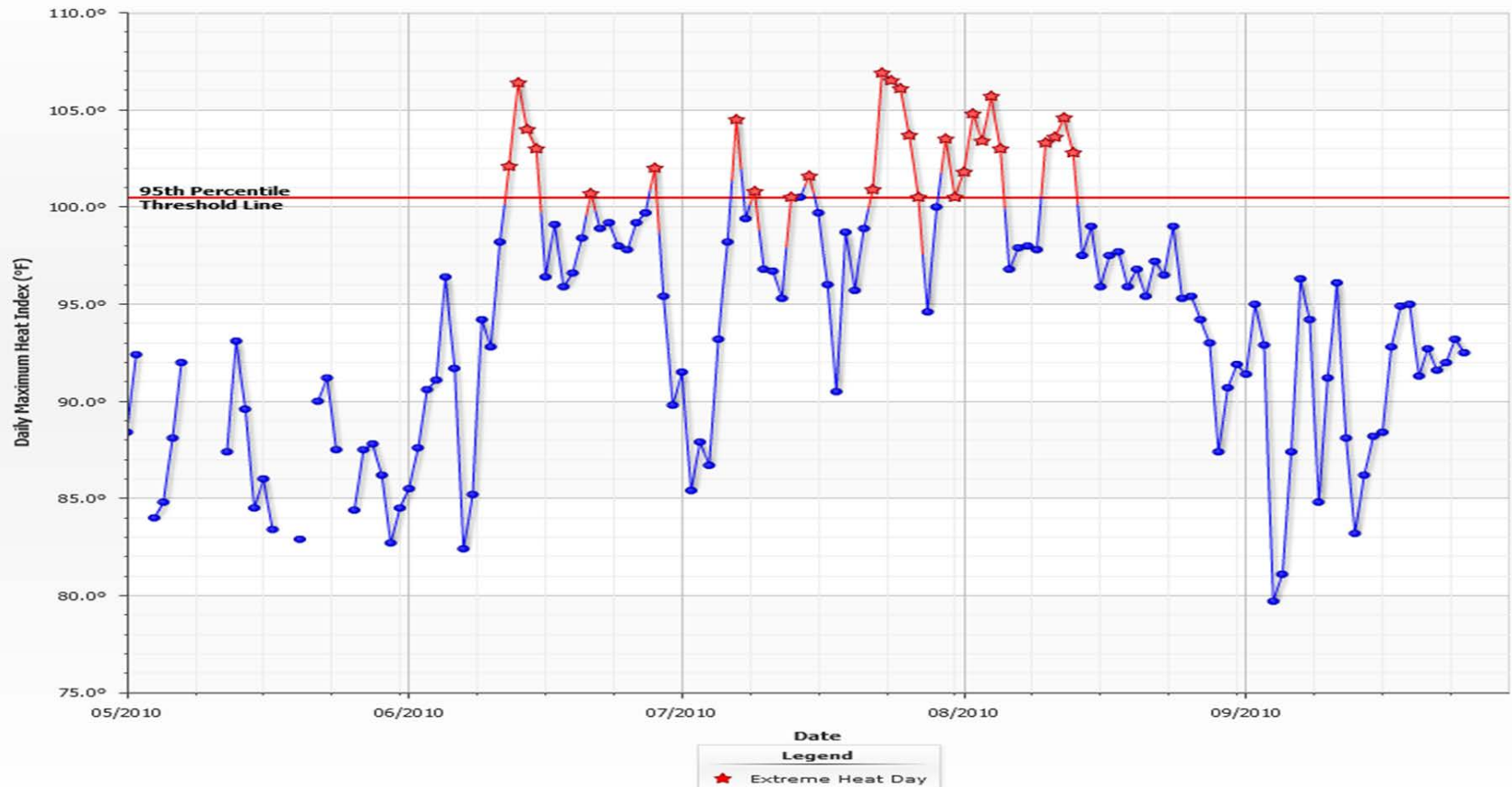


Projected number of extreme heat days (>98 percentile) in 2084 in Maryland.
A2 (high emissions) scenario.

Historic temperature data (EPHTN)

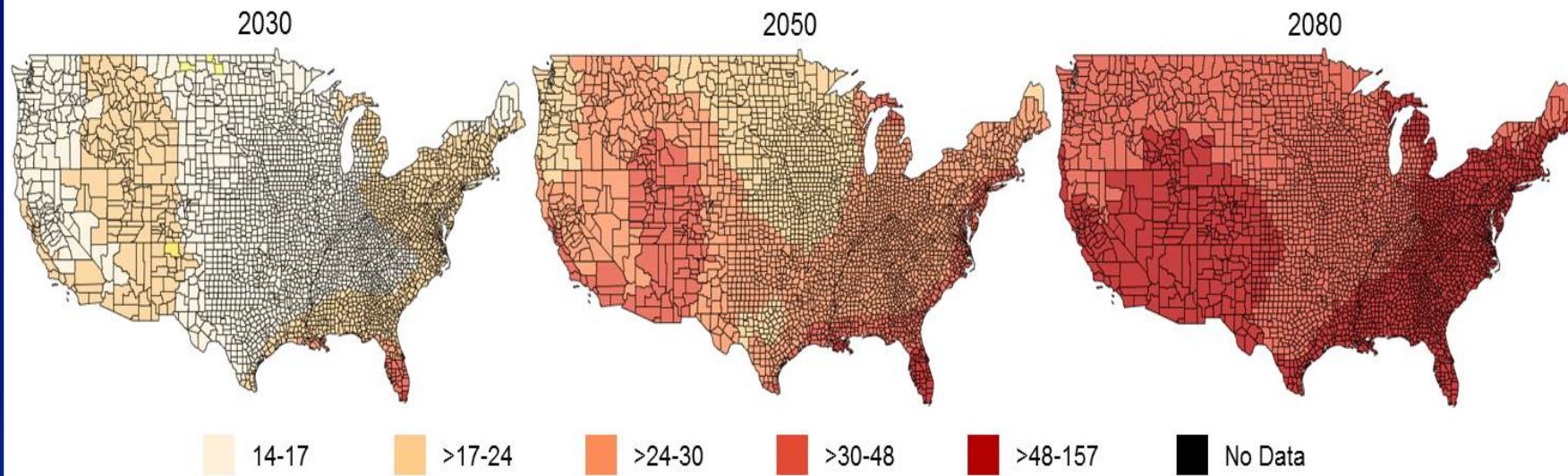
Extreme Heat Days

State: Georgia County: DeKalb Year: 2010



Future modeled temperature data (EPHTN)

Projected number of extreme heat days above the 98th percentile based on a high emissions scenario (A2)



Source: NOAA, National Climate Assessment 2014

Potential future additions to the CDC tracking portal:

- Additional heat-health data
- National Weather Service (NWS) products
- NLDAS and NCA precipitation data
- Drought and soil moisture data
- FEMA flood data

