

## **Climate change in Vermont**

**Health impacts and responses** 

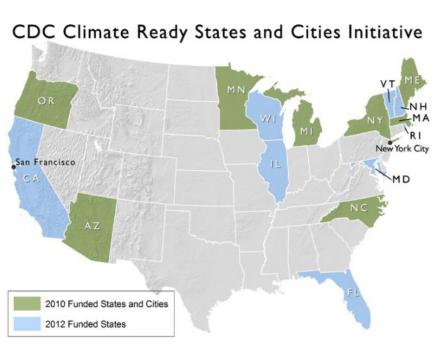




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## **Building Resilience Against Climate Effects**

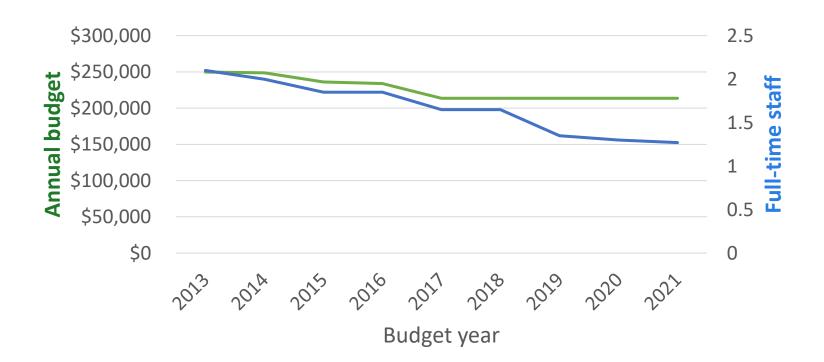


16 states, 2 cities

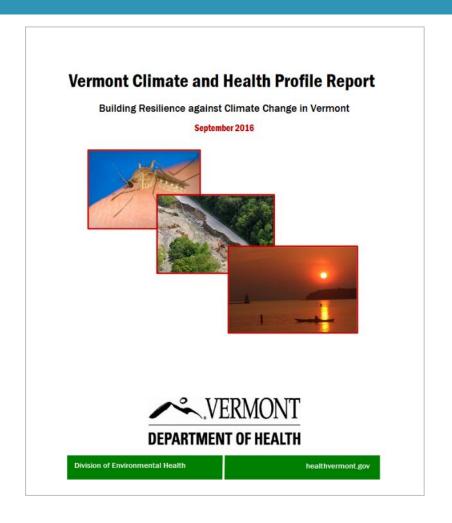


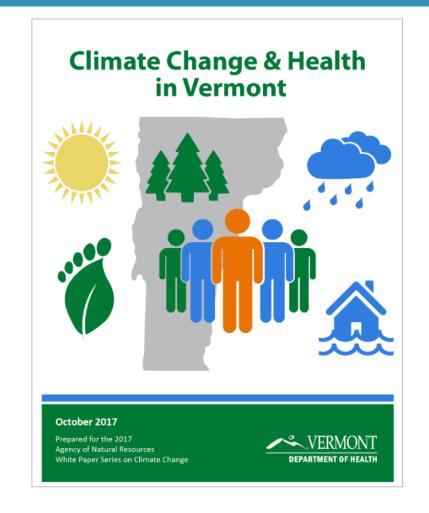
#### **Climate & Health program context**

2012-2016 – assessment & planning phase 2016-2021 – implementation & monitoring phase Beyond 2021 - ???



## Assessing climate change health risks and responses





# Focus areas identified in the Climate & Health Profile Report

Hot weather



Extreme storm events



Tick & mosquitoborne diseases



Mental health



Water & food-borne diseases



Cyanobacteria



Pollen and air pollution



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Borne Diseases Cyano-	bacteria Asthma, Allergies & Air Quality
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Health Impact Area

## **Vulnerability** assessments

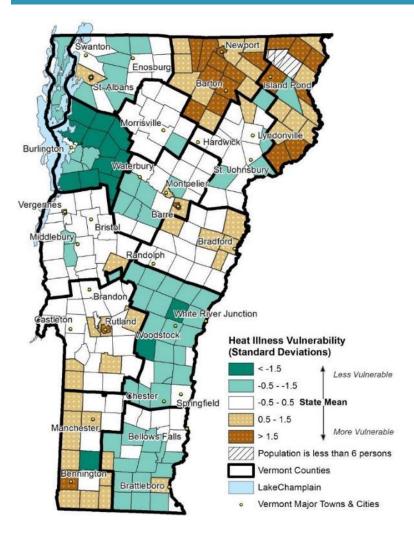


Table 1. People and places that are at elevated risk for particular climate hazards are indicated by an "X".

## Implementing adaptation strategies



Vermont Climate & Health Program

Implementation and Monitoring Strategy

Last updated: April 10, 2019

#### Primary goals

Goal	Desired outcome
1. Raise Climate & Health	Vermont residents, organizations, and local and
	state leaders are aware of climate-related
Awareness	health impacts and the health impacts of
	climate actions
2. Support Healthy Climate Mitigation Actions	Vermont residents, organizations, and local and
	state leaders pursue climate change mitigation
	actions that provide health co-benefits
3. Strengthen Community	Vermont communities are prepared to reduce
Resilience	climate-related health impacts

#### Secondary goals

Goal	Desired outcome
4. Build Health Department	The Vermont Department of Health is prepared
Capacity	to reduce climate-related health impacts
5. Reduce Environmental	Natural and built environments in Vermont are
Hazards	resilient to the impacts of climate change
6. Strengthen Individual	Vermont residents are prepared to protect
Resilience	themselves from climate-related health impacts

#### Hot weather preparedness

- Heat impact data monitoring & analysis
- National Weather Service heat advisory threshold
- Heat safety website, handouts
- Outreach toolkit, communications protocols
- Energy-saving trees program
- Hot Weather Workgroup
  - Hot weather emergency response plan
  - Community cooling centers / emergency shelters
  - Home cooling assistance
  - Support community outreach to high-risk households



#### Outreach and awareness raising

- Over 100 presentations, trainings, workshops (since 2015)
- Developed communications products: website, press releases, reports, handouts, blog posts, social media
- Developed online climate & health training course:



#### Promoting healthy climate actions



- Comprehensive Energy Plan
- Weatherization + Health report and handout
- Transportation + Health analysis and handout
- Ongoing collaboration w/ state and regional partners

#### Pollen & air quality (Asthma Program / DEC Air Quality)

- Pollen data tracking
- Wood heat & indoor air quality guidance
- Air pollution vulnerability index



#### Cyanobacteria (Recreational Water Program)

- Cyanobacteria monitoring and toxin testing
- Cyanobacteria tracking website
- Drinking water system monitoring & response plans
- Cyanobacteria monitoring stakeholder committee

#### Tickborne/mosquito-borne diseases (Infectious Disease)

- Tick surveillance and pathogen testing
- Outreach campaigns
- Tick Tracker





## Thank you!

#### Let's stay in touch.

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