## Climate Changes Health: Two CDC BRACE Grantees Take Steps Toward Adaptation

**September 16, 2015 1:00 p.m. EDT** 



#### Welcome



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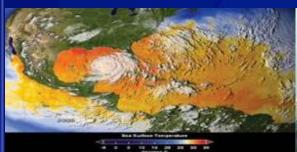
#### **Moderator**



Paul Schramm, MPH, MS
Health Scientist
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# Climate Changes Health: The CDC Climate-Ready States and Cities Initiative







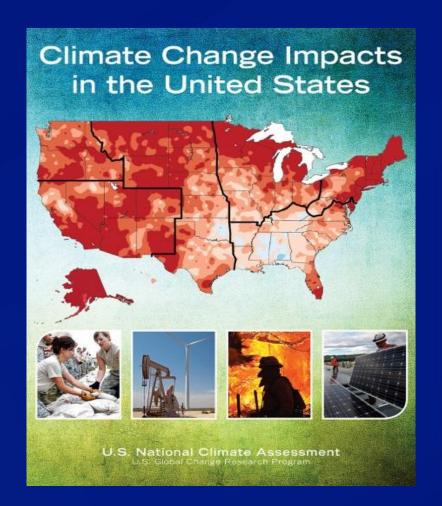
Paul J. Schramm, MS, MPH

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# 3<sup>rd</sup> National Climate Assessment: Health Key Messages

- Climate change threatens human health and well-being
- Will amplify some existing health threats
- Preparedness and prevention can protect people from some of the impacts of climate change
- Responding to climate change presents opportunities



Source: Third National Climate Assessment Report, http://nca2014.globalchange.gov

## **Impact of Climate Change on Human Health**

Injuries, fatalities, mental health impacts

Asthma, cardiovascular disease

Heat-related illness and death, cardiovascular failure

Forced migration,

civil conflict,

mental health impacts

Severe Air Weather Pollution

RISING
RESPERATURES

Changes in Vector Ecology

Malaria, dengue,
encephalitis, hantavirus,
Rift Valley fever,
Lyme disease,
chikungunya,
West Nile virus

Extreme Heat

Environmental Degradation Increasing Allergens

Respiratory allergies, asthma

Water and Food Supply Impacts

Water Quality Impacts

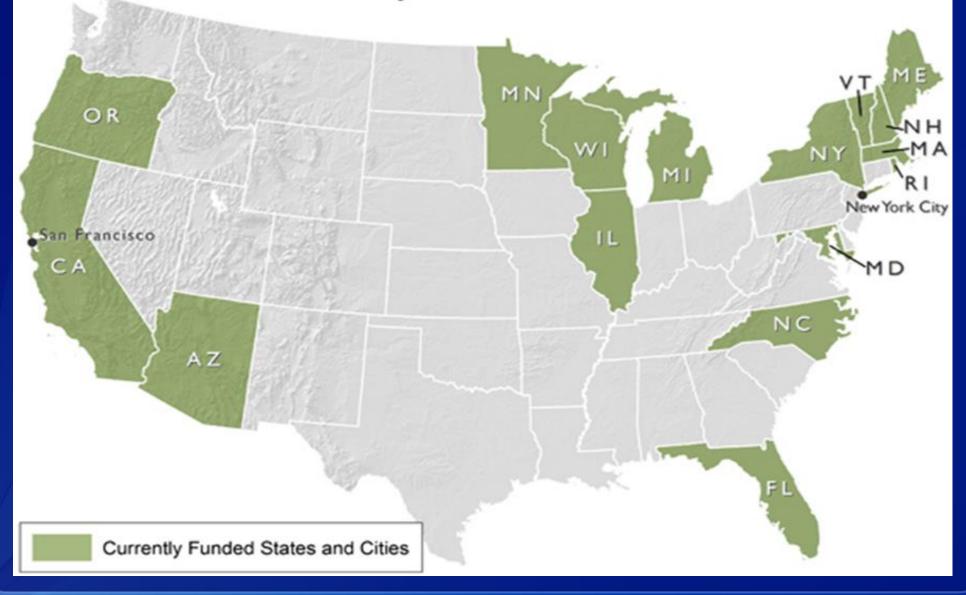
Malnutrition, diarrheal disease

Cholera,
cryptosporidiosis,
campylobacter, leptospirosis,
harmful algal blooms

### CDC's Climate & Health Program

- The only Federal investment in climate change preparedness for the public health sector
- 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 Climate Ready States and Cities Initiative



Forecasting
Climate Impacts
and Assessing
Vulnerabilities

01

Projecting the Disease Burden

05

Evaluating
Impact and
Improving Quality
of Activities

BRACE

Building Resilience
Against Climate Effects

02

Assessing Public Health Interventions

Developing and Implementing a Climate and Health Adaptation Plan

03

#### **Guidance Documents**

#### Climate Models and the Use of **Climate Projections:**

A Brief Overview for Health Departments

Climate and H Climate and Health Prog

Simate and Health Program, Divis Environmental Health (NCEH) \*Department of Emergency

Paul J. Schra

### **Assessing Health Vulnerability**



#### to Climate Change

A Guide for Health Departments



#### Climate and Health Technical Re Climate and Health Program, Centers for Disease Con

Arie Ponce Manangani, Christopher K. Uejiot, Shubhayu Sahat,

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#### **Excessive Heat Events Guidebook**

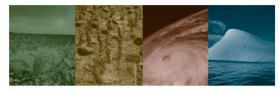


**CLIMATE CHANGE** and

**EXTREME HEAT EVENTS** 

**Projecting Climate-Related** Disease Burden:

A Guide for Health Departments



#### Climate and Health Technical Report Series

Climate and Health Program, Centers for Disease Control and Prevention

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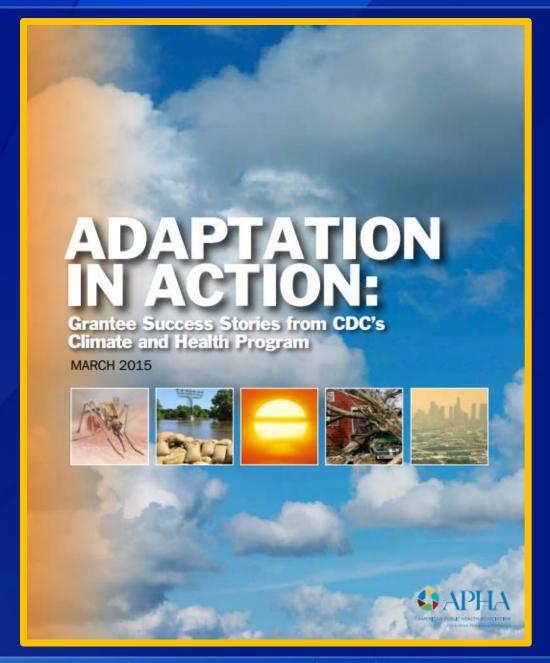
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http://www.cdc.gov/climateandhealth/pubs/adaptation-in-action.pdf



#### www.cdc.gov/climateandhealth

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