

Integrating Adaptation into Public Health: Case of CA Dept of Public Health

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Public Health is Integral Partner in Calif's Climate Action Planning

- State Climate Action Team = 18 agencies including Public Health
- Public Health Workgroup looks at specific health sector issues/needs in mitigation and adaptation
- Public health reviews other sector's planning
 - Human dimension of climate impacts
 - Land use and transportation
 - Emergency planning
 - Climate communications
 - Research priorities

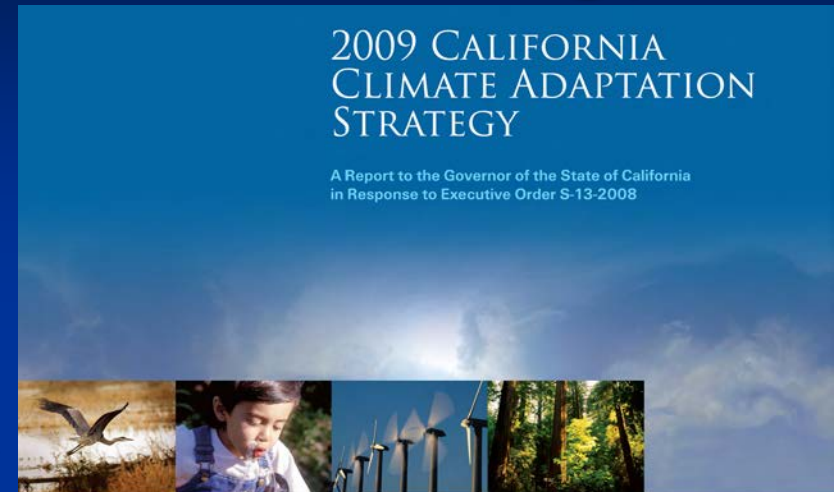
California Adaptation Strategy

■ Goals of Public Health

Strategies:

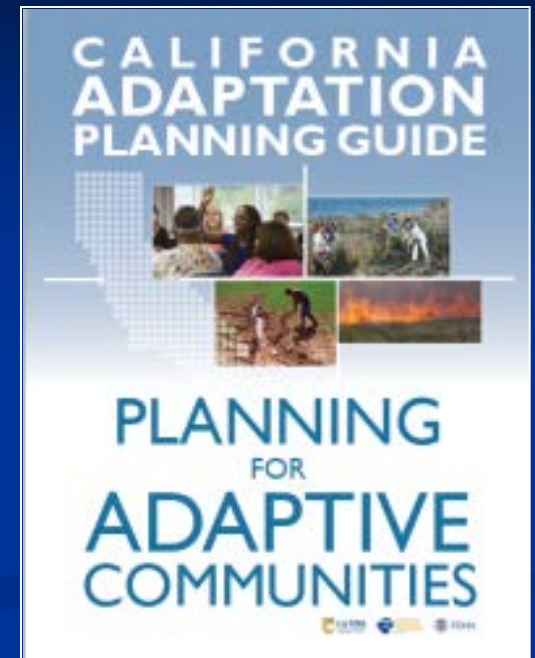
- increase awareness of potential climate change-related public health impacts,
- improve surveillance and monitoring of climate risks and related outcomes,
- maintain a robust public health infrastructure,
- expand research,
- optimize health co-benefits
- promote healthy, equitable, and resilient communities that are able to mitigate and respond to climate change and protect vulnerable populations.

2009 Adaptation plan being updated in 2013; will feature more cross-sector strategies.



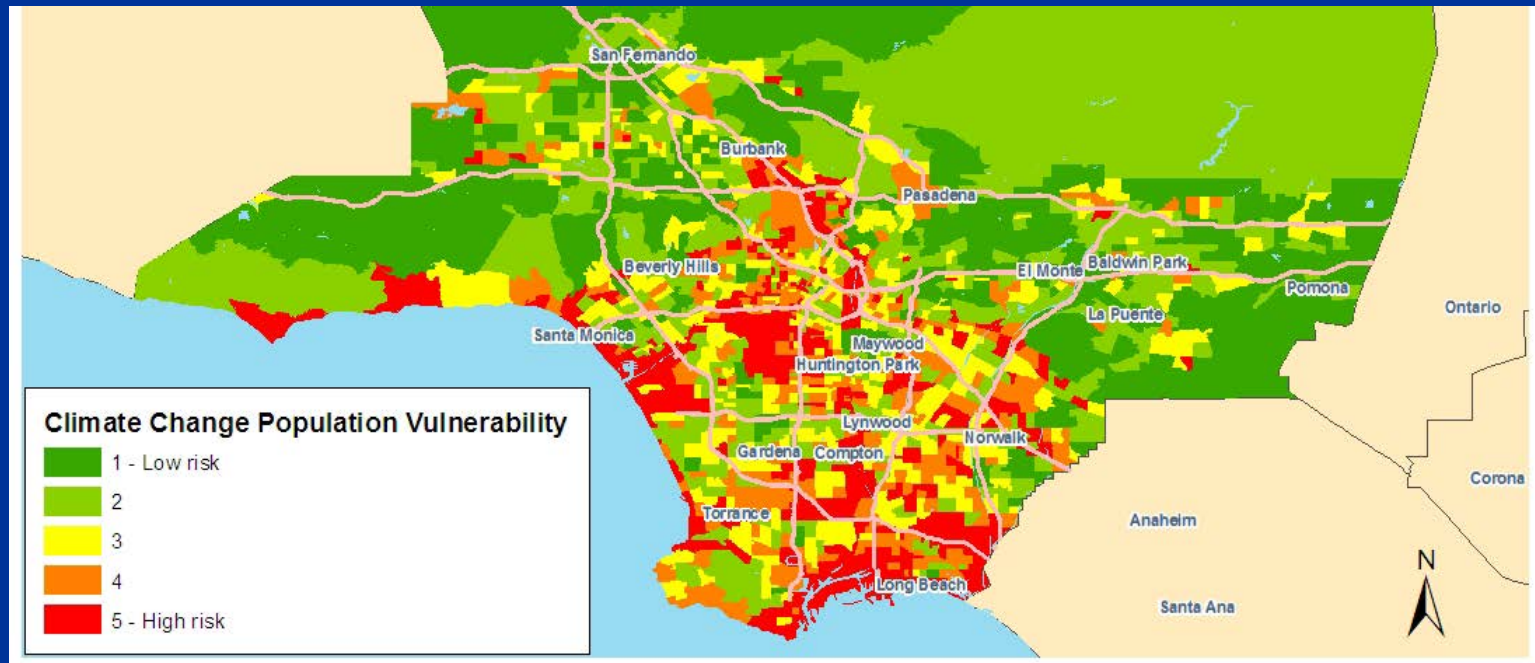
Integrating adaptation into ongoing planning efforts

- First state to receive FEMA funding for disaster mitigation including climate impacts
- Emergency management agency worked with broad cross-sector reps
- Chapter on health and social vulnerability.
- Tools help regional and local governments get started planning
 - integrate climate impacts into other planning efforts:
 - local general plans, water plans, coastal plans, agriculture, healthy community plans and, of course, disaster plans



Strategy 1: Assess Vulnerability


Racial and Income Disparities in Relation to
Climate Change Vulnerability Screening (funded
by ASTHO)



Source: English, et al Int J Climate Change 4(2) 2013

Strategy 2: Improve preparedness and resiliency; focus on vulnerable

■ Extreme Heat Adaptation Guidance (Interagency)



**STATE OF CALIFORNIA
EXTREME HEAT ADAPTATION INTERIM
GUIDANCE DOCUMENT**

Developed by the Heat Adaptation Workgroup of the Public Health Workgroup, California Climate Action Team (CAT)
8/31/2012

Review land use and design elements for cooler buildings;
Porous pavements;
Urban greening;
Improve heat-health alert systems;
Protect energy grid;
Improve health surveillance;
Protect outdoor workers

Health Impact Assessment of CA's Cap and Trade Policy

- Funded by PEW/RWJ Foundation
- Recommends part proceeds of Cap and Trade revenues to be devoted to improving community resilience to climate change risks

Source: AJPH , 102 (9) 2012

| RESEARCH AND PRACTICE |

A Health Impact Assessment of California's Proposed Cap-and-Trade Regulations

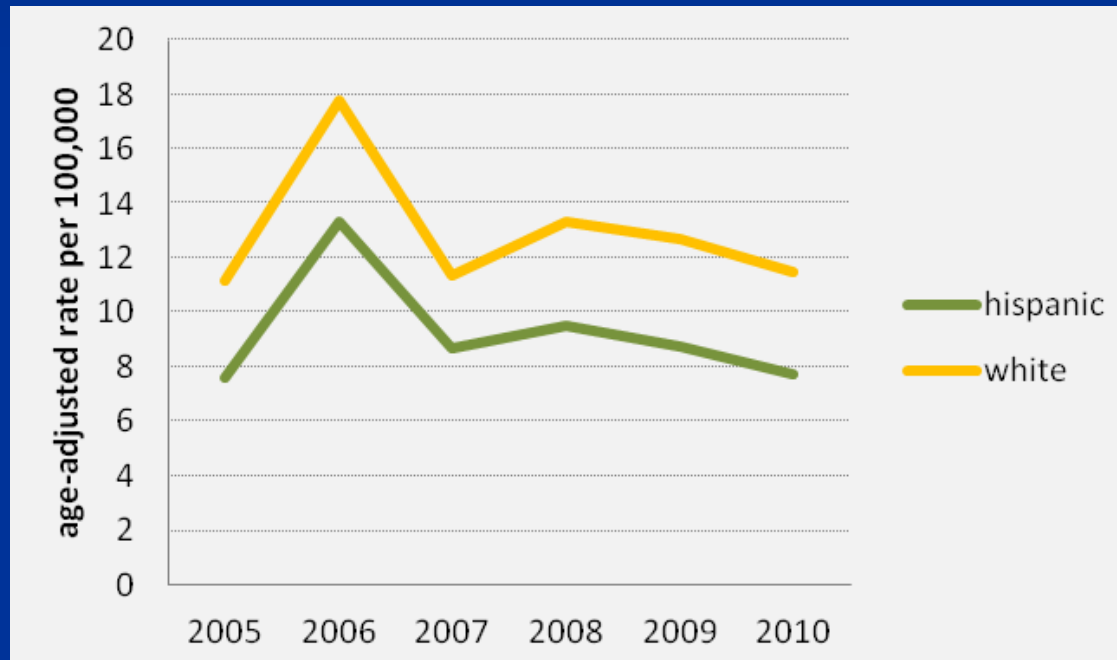
| Maxwell J. Richardson, MPH, MCP, Paul English, PhD, MPH, and Linda Rudolph, MD, MPH

Strategy 3: Educate, Engage, and Develop State and Local Capacity

- Climate Change Capacity Building Grant (ASTHO)
 - Strategic Planning
 - Surveys of knowledge base on climate change of staff and external partners, including health officers
 - Trainings
- BRACE grant (CDC)
 - Engage with local health departments on vulnerability analyses, health risk assessments, and development of best practices for adaptation efforts

Strategy 4: Surveillance

- Leverage resources of CA Environmental Health Tracking Program (CDC) for heat death and illness surveillance



Emergency department visits due to heat in California in summer months, 2005–2010

Emerging *Regional* Adaptation Planning

- Regional entities are forming to leverage research, downscaling climate impacts, funding and developing common strategies/priorities
 - San Diego Reg'l Adaptation planning collaborative
 - LA Regional Climate Action Collaborative
 - Bay Area Regional Energy and Climate Resilience Group
 - Sacramento Regional Climate Collaborative (just forming)

Case Study:

San Luis Obispo County Dept of Public Health Services



Public Health
Prevent. Promote. Protect.

San Luis Obispo County

- County-wide adaptation plan developed with Local Govt Commission and Kresge funding (2010)
- Local public health department got involved in community-wide planning sessions
- Identified key public health linkages
 - Healthy and sustainable community efforts
 - Food and nutrition, food security, local ag
 - Chronic disease prevention
 - Emergency preparedness
 - Vulnerable and special needs populations are key



Climate Mitigation and Health Co-benefits (links with adaptation)

- Presents strategies for integrating public health co-benefits into GHG reduction strategies set forth in local Climate Action Plans, including :
 - Transportation, Land Use,
 - Urban Greening, Food and Agriculture,
 - Residential Energy Use
 - Community Engagement
 - Vulnerable Populations, and
 - Climate Adaptation

Climate Action for Health: Integrating Public Health into Climate Action Planning



Resources

- Climate change surveillance data:
https://www.ehib.org/page.jsp?page_key=863
- Climate Action for Health:
http://www.cdph.ca.gov/programs/CCDPPHP/Documents/CAPS_and_Health_Published3-22-12.pdf
- HIA for Cap and Trade:
https://www.ehib.org/page.jsp?page_key=705
- Climate Change Vulnerability Mapping:
https://www.ehib.org/page.jsp?page_key=703
- Local Climate Adaptation Planning Guide:
http://resources.ca.gov/climate_adaptation/local_government/adaptation_policy_guide.html