



Building Resilience Against Climate Effects (CalBRACE)

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Presented at the PH Workgroup Meeting

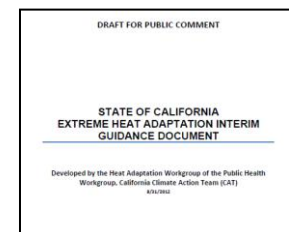
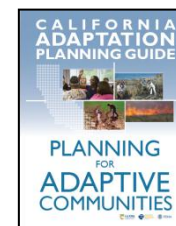
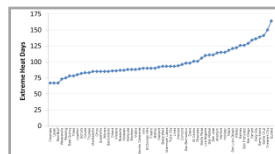
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Introduction/Background

California state agencies are already mobilizing to adapt/prepare for inevitable climate changes

- 2008 Executive Order S-13-08 (public health adaptation strategy as part of overall strategy)
- 2009 Adaptation Strategy public health chapter
- 2010 Sea Level Rise Interim Guidance by Ocean Protection Council (presented at CCLHO Mtg, 7/7/11)
- 2011 Cal Adapt (web-based mapping of local climate effects)
- 2011 Governor's Conference on Extreme Weather Events
- 2012 Extreme Heat Interim guidance by the Public Health Workgroup
- 2012 Local Climate Adaptation Planning Guide
- 2013 Update to Climate Adaptation Strategy



Current climate and health adaptation activities

- What activities do you know about?
- Who are key leaders? Stakeholders?
 - Within public health
 - In other sectors
- What are the main needs, given the early stage of this work ?

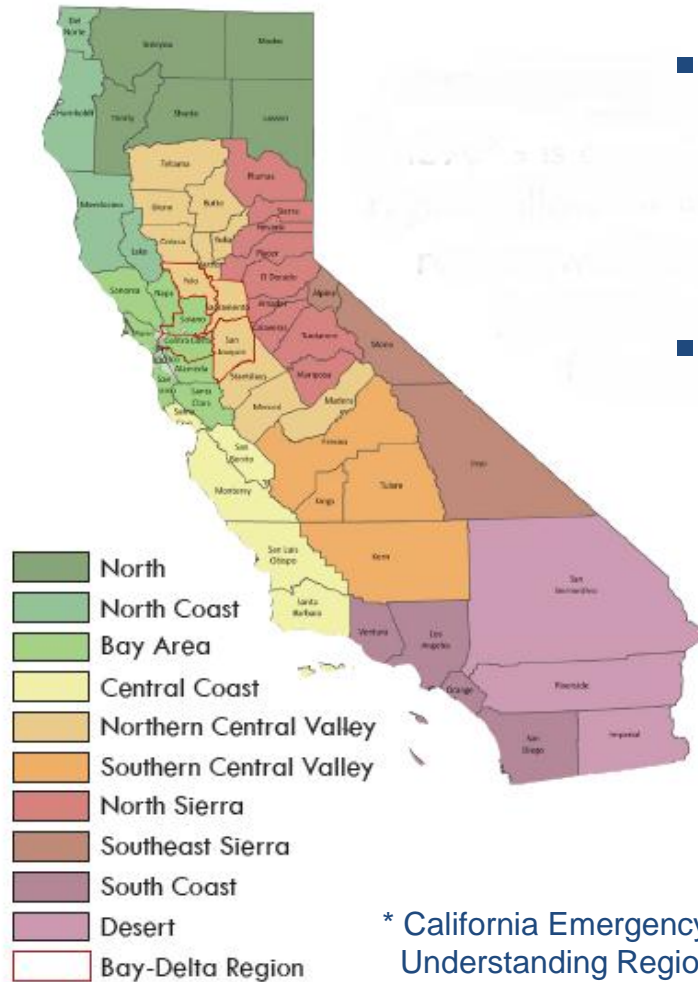
CDC's BRACE Framework

Climate change has global drivers, but impacts will be felt locally

- CalBRACE Model
 1. Forecast climate change exposures and population vulnerabilities at a local/regional level
 2. Conduct a health risk assessment
 3. Assess the interventions to adapt/build community resilience to climate
 4. Make/refine adaptation plans and their implementation
 5. Evaluate BRACE process and outcomes/impacts
- 4-year CDC grant with additional resources for 2 staff and some local support to local health departments via mini-grants
- Specific goals are to build capacity at state and local levels and build on existing processes
- Not a research project

California Climate Zones for Adaptation Planning*

10 California climate regions comprised of 3- to 10-county clusters



- CalBRACE will focus on 1 county in each of 10 climate regions to forecast climate changes, vulnerabilities, and health risks
- Diversity (rural/urban, demographics, types of climate impacts anticipated)

* California Emergency Management Agency, California Natural Resources Agency. Understanding Regional Characteristics: California Adaptation Planning Guide. July 2012.

Highlights of CalBRACE

- Builds on existing adaptation work and processes:
 - Engagement with local health departments and fit with existing public health programs
 - CAT Public Health Workgroup and other stakeholders
 - Cal-Adapt (down-scaled climate projections)
 - Vulnerability assessments (ASTHO pilot project in Fresno/LA)
 - Health risks assessment
- Consult and coordinate with CCLHO and local health departments before, during, and after each BRACE step
- Deliverables:
 - Localized vulnerability maps/methods/data
 - Localized health risk assessments
 - Inventory of interventions (“best practices”) for specific local risks
 - Templates for adaptation planning, including content, communications, education, and technical assistance
 - Build capacity for local health department staff engage and participate in local/regional adaptation efforts

Where can climate adaptation fit in local public health programs/organizations?

- No one program area:
 - PH preparedness
 - Built environment/healthy planning
 - Health equity/vulnerable populations/env justice
 - Environmental health
 - Epidemiology
 - Health policy
 - Health Promotion/chronic disease
 - Nutrition, local food security, urban ag, farmer's markets
 - Health education, community education/engagement
 - Infectious disease/vector borne disease
 - Community clinics and hospitals
 - Health coalitions

How can Cal BRACE be most helpful to developing PH capacity in California?

- What is needed from vulnerability assessments so that they are useful for local communities?
- Climate and health burden projections
 - How will these be used? By what groups?
- Interventions to reduce risks and promote resilience
 - What works well now? What is needed?
- Training? What kind and with what groups?
- Identify resources to do this work?
- Evaluation and dissemination during grant stages?