Climate Change as it Relates to the Mission of Local Health Departments

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Local Health Department Framework for Climate Change

- Mitigation
- Adaptation
- Communication
Department of Public Health

Five Point Plan

Reduce health impacts of climate change while building healthy, sustainable and resilient communities

Goal 1: Inform the general public about the nature of climate change, its potential health effects, and the health-related benefits of reducing carbon emissions

Goal 2: Promote local planning, land-use, transportation, water, and energy policies that reduce carbon emissions, and support the design of healthy and sustainable communities

Goal 3: Provide guidance on climate preparedness to local government and community partners to reduce health risks and create more resilient communities

Goal 4: Build the capacity of DPH staff and programs to monitor health impacts, integrate climate preparedness and improve climate response

Goal 5: Adopt best management practices to reduce carbon emissions associated with DPH facilities and internal operations
## Human Health Frame

<table>
<thead>
<tr>
<th>Environmental Effects</th>
<th>Primary</th>
<th>Secondary</th>
<th>Health Effects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Increased Temperature</td>
<td>Heat waves</td>
<td>Heat-related illness and death</td>
<td></td>
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<tr>
<td>Extreme Weather</td>
<td>Air pollution</td>
<td>Cardiovascular disease</td>
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<td></td>
<td>Wildfires</td>
<td>Respiratory disease</td>
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<td></td>
<td>Flooding</td>
<td>Water- and Food-borne illness</td>
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<tr>
<td>Sea Level Rise</td>
<td>Water pollution</td>
<td>Vector-borne illness</td>
<td></td>
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<td></td>
<td>Drought</td>
<td>Injuries related to extreme weather</td>
<td></td>
</tr>
</tbody>
</table>
Core Topics (1-6)

- Mitigation vs. Adaption
- Vulnerable Populations
- Adaptive Management
- 10 things every PH professional should know
- Climate Change Communication
- Climate impacts to Los Angeles County
Specific Topics (7-16)

Health care systems

Alternates Water

Allergies and asthma

Coastal ecosystems

Policies and Regulations

Vector-borne Disease

Water Security

Food Security

Hurricane Sandy
For each workshop, the following materials were developed:

- Flyer
- Recommended readings & resources
- PowerPoint presentation
- Instructions for brainstorming activity
Workshop Format

• Lecture
  • 20-25 minutes
  • Taught by graduate and doctoral students
  • Projected Impacts on Health in Los Angeles
  • Management and Policy Implications

• Brainstorming session
  • 45 minutes
  • Group breakout sessions
  • Facilitator
  • Produce ideas and strategies for climate action
LEARNING OBJECTIVES:

• Usually 3 objectives
• Describe pathways by which climate change impacts human health
Brainstorming Session
Outputs from Brainstorming
Next steps

- Make core trainings available to broader audience (e.g., through recordings; web interface)
- Repeating trainings on specific impacts with targeted groups within DPH and potential partners
- Develop collaborative teams to create education & outreach materials for different stakeholders