2030 Target Scoping Plan Update: Public Health Analysis

Climate Change & Health Equity

Solange Gould, DrPH, MPH | Chief, Policy Unit
Linda Helland, MPH, CPH | Team Lead
Climate Change & Health Equity Program
Dan Woo, MPH, MS, LEED AP | Program Analyst
Climate Change & Health Equity Program

Office of Health Equity
California Department of Public Health
Everyone has what they need

Equality
Everyone has the same

Equity
Everyone has what they need
Health Inequities

Source: The California Endowment / www.calendow.org
Addressing the Causes of the Causes
Human Health Impacts of Climate Change

Environmental Degradation
Forced migration, civil conflict, mental health impacts, loss of jobs and income

Extreme Heat
Heat-related illness and death, cardiovascular failure

Severe Weather
Injuries, fatalities, loss of homes, mental health impacts

Water & Food Supply Impacts
Malnutrition, diarrheal disease

Degraded Living Conditions & Social Inequities
Exacerbation of existing social and health inequities, and vulnerabilities

Changes In Vector Ecology
Malaria, dengue, encephalitis, hantavirus, Rift Valley fever, Lyme disease, chikungunya, West Nile virus

Air Pollution & Increasing Allergens
Asthma, cardiovascular disease, respiratory allergies

Water Quality Impacts
Cholera, cryptosporidiosis, Campylobacter, leptospirosis, harmful algal blooms

IMPACT OF CLIMATE CHANGE ON HUMAN HEALTH & EXACERBATION OF EXISTING INEQUITIES

Adapted from CDC, J. Patz
Climate Change & Health Inequities

- Climate change will impact all people, but **the most vulnerable will suffer the most**
- Climate change will **magnify existing health inequities**
- Climate change is a threat multiplier, amplifying existing risks
“Tackling climate change could be the greatest global health opportunity of the 21st century”

- The Lancet Commission on Health & Climate Change, 2015
Achieving Health Equity through Climate Action
Achieving Health Equity through Climate Action

Climate Mitigation Policy Priorities – Health & Equity Co-Benefits:

• Promote active transportation

• Prioritize infill and transit-oriented development and include necessary anti-displacement measures

• Encourage local food systems and healthy diets

• Green the built environment – provide access to trees, parks, and green spaces

• Create healthy, energy-efficient, and sustainable homes, schools, and buildings
Climate Mitigation Policy Priorities – Health & Equity Co-Benefits:

• Direct our climate investments to promote economic development and health equity

• Prioritize jobs creation and employment training for local residents

• Work towards income equality

• Reduce poverty

• Provide stable, permanent, living-wage jobs
Questions to Consider:

• What are some of the health and equity impacts you are experiencing in your communities?

• What are some barriers to advancing health and equity in your communities?

• How can we address these impacts through climate action in your communities?

• How can the State support your efforts in promoting health and equity while addressing climate change?
2030 Target Scoping Plan Update: Public Health Analysis

Climate Change & Health Equity

Solange Gould, DrPH, MPH | Chief, Policy Unit
Solange.Gould@cdph.ca.gov

Linda Helland, MPH, CPH | Team Lead
Climate Change & Health Equity Program
Linda.Helland@cdph.ca.gov

Dan Woo, MPH, MS, LEED AP | Program Analyst
Climate Change & Health Equity Program
Daniel.Woo@cdph.ca.gov

Office of Health Equity
California Department of Public Health