



Lessons Learned from **COVID-19**: Implications for Climate Change

Vision: Make San Diego the most resilient community in America

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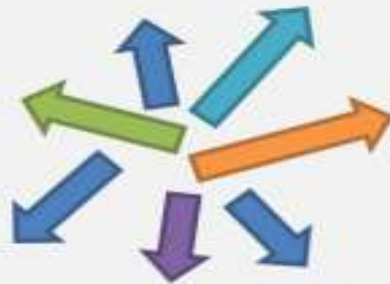
Bottom Line: Collective Impact Required



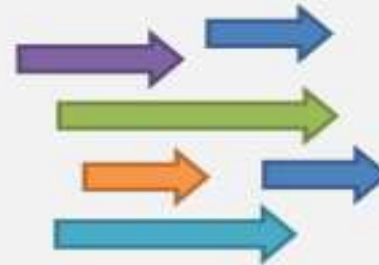
Whether the response is for COVID-19, or threats to public health and safety due to climate change, it requires **collective impact**



DISORDER &
CONFUSION



INDIVIDUAL IMPACT
in isolation



COORDINATED IMPACT
with alignment



COLLECTIVE IMPACT
with collaborative action



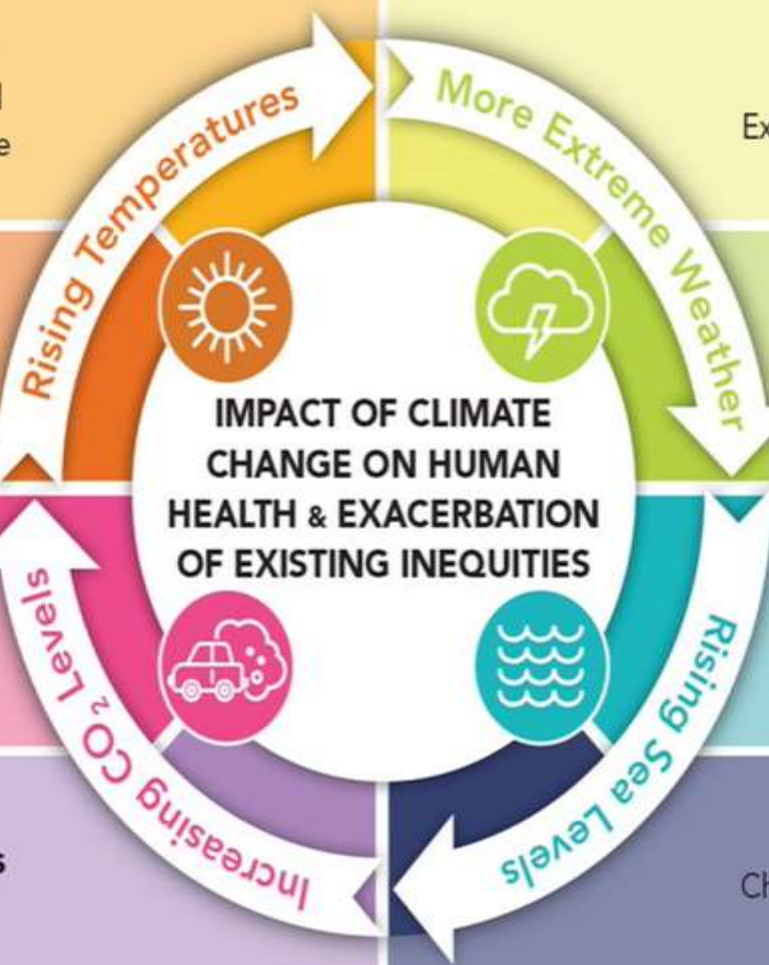
Public Health Impacts of Climate Change

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

Degraded Living Conditions & Social Inequities

Exacerbation of existing social and health inequities and vulnerabilities

Extreme Heat
Heat-related illness and death, cardiovascular failure



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

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

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

Water & Food Supply Impacts
Malnutrition, diarrheal disease

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

IDENTIFYING RISK AND SUSCEPTIBILITY



Vulnerability Assessment Domains and Indicators

Higher risk vulnerabilities for San Diego County relative to other regions



Environmental Exposures Domain

Population Sensitivity Domain

Adaptive Capacity Domain



Indicator	Page
Heat	21
Air Quality	23
Drought	27
Wildfires	29
Sea Level Rise	31
Children	34
Elderly	36
Poverty	38
Education	40
Race and Ethnicity	42
Outdoor Workers	44
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Physical Disability	50
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LESSONS LEARNED





1. LEADERSHIP/WORKFORCE

2. ESSENTIAL INFRASTRUCTURE

3. PARTNERSHIP/GLOBAL

4. FUNDING

5. DATA/EQUITY



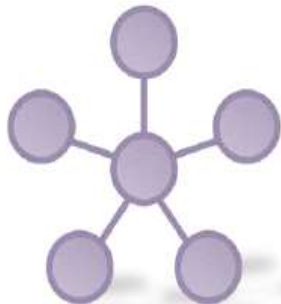
PUBLIC HEALTH 3.0

KEY COMPONENTS



**LEADERSHIP &
WORKFORCE**

**ESSENTIAL
INFRASTRUCTURE**



**STRATEGIC
PARTNERSHIPS**

**DATA, ANALYTICS
& METRICS**



**FLEXIBLE &
SUSTAINABLE
FUNDING**

WHAT CAN I DO TO PREPARE FOR CLIMATE CHANGE?



Know Your Risks and Make a Plan

- [CalOES My Hazards](#)
- [County of San Diego OES Know Your Hazards](#)
- [CCHViz Vulnerability Indicators](#)
- [California Healthy Places Index](#)
- [California Heat Assessment Tool](#)
- [Calculate your impact](#)
- [County Vector Control Program](#)
- [Report Smoking Vehicles](#)
- [Check Pollen Count](#)
- [Check Air Quality](#)
- [Multi-Jurisdictional Hazard Mitigation Plan](#)

GET STARTED



- Join:
 - San Diego Regional Climate Collaborative
 - Partner Relay (network of local agencies sharing life-saving emergency information with the community in multiple languages. Learn more at our booth!)
 - San Diego County Food Vision 2030
- Use County Cool Zones
- Register for AlertSanDiego
- Install the free SD Emergency App
- Complete a Family Disaster Plan





WHAT CAN I DO (E.G., COVID-19)?

1ST VISIT COUNTY COVID-19 WEBSITE

<https://www.sandiegocounty.gov/coronavirus.html>



Additional Resources



- [Regional Report 4th Assessment](#)
- [National Weather Service](#)
- [Scripps Institute of Oceanography](#)
- [CDC Climate and Health Program](#)
- [Climate Change and Health Equity Program: California Department of Public Health](#)
- [Public Health Services](#)
- [Air Pollution Control District](#)
- [How to Reduce Air Pollution](#)
- [Extreme Heat Guidebook](#)

Thank You! What Questions Do You Have?



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