Sustainable Communities
Sustainable buildings, cities, communities and infrastructure that are clean, healthy, and livable and improve quality of life for all.
Legislation
SB 375, SB 535, AB 1550, SB 1000, SB 862, AB 2722

Communities driving projects

Policy
Sustainable Communities Strategies, Climate Action Plans,
Safeguarding, Transformative Climate Communities

Partnerships
Community Watershed Resilience Program
Enterprise Community Partners
Sustainable buildings, cities, communities and infrastructure that are clean, healthy, and livable and improve quality of life for all.
zero emission buildings

Legislation
- AB 758, AB 802, SB 350

Policy
- New construction codes and appliance standards
- 2019 New Construction Standards

Partnerships
- With local jurisdictions developed photovoltaic model ordinance

Declaration
- Pledge to enact regulations to ensure new buildings are net zero carbon by 2030; existing buildings by 2050
Sustainable buildings, cities, communities and infrastructure that are clean, healthy, and livable and improve quality of life for all.
Policy
75% organics diversion by 2025; mattress recycling by 2020

zero waste & infrastructure

Partnerships
Pacific Coast Collaborative

Declaration
pledge to reduce the amount of waste generated by at least 15% per capita by 2030
infrastructure

Green and Healthy Streets pledge to make a major area of their city zero emission by 2030 and encourage shift to biking, walking, and transit
Sustainable buildings, cities, communities and infrastructure that are clean, healthy, and livable and improve quality of life for all.
for all
for all

George Steinmetz, New York Times
<table>
<thead>
<tr>
<th>Day</th>
<th>Session Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>HIGH AMBITION VISION (plenary)</td>
</tr>
<tr>
<td></td>
<td>ACHIEVING AN EQUITABLE LOW-CARBON TRANSITION (plenary)</td>
</tr>
<tr>
<td></td>
<td>Challenge Area 3 Session 1: GREEN AND HEALTHY STREETS</td>
</tr>
<tr>
<td></td>
<td>Challenge Area 3 Session 2: TOWARDS ZERO WASTE</td>
</tr>
<tr>
<td></td>
<td>Challenge Area 3 Session 3: NET ZERO EMISSION BUILDINGS</td>
</tr>
<tr>
<td>2</td>
<td>LONG-TERM STRATEGIES FOR A 1.5 DEG WORLD (plenary)</td>
</tr>
<tr>
<td></td>
<td>RESEARCH &amp; INNOVATION TO ACCELERATE THE TRANSITION (plenary)</td>
</tr>
<tr>
<td></td>
<td>TOGETHER4CLIMATE: PARTNERSHIPS FOR CLIMATE ACTION</td>
</tr>
<tr>
<td>3</td>
<td>RESILIENT COMMUNITIES FOR A CLIMATE SAFE FUTURE</td>
</tr>
</tbody>
</table>
Welcome to CCHViz

CCHViz is the interactive data visualization platform for the Climate Change & Health Vulnerability Indicators for California (CCHViz). It is produced by the CA Department of Public Health's Office of Health Equity. The CalBREACE Project produced Climate Change and Health Vulnerability Indicators to help stakeholders better understand the people and places that are more susceptible to adverse health impacts associated with climate change. They are a suite of 21 indicators (below) of climate exposure, population sensitivity, and adaptive capacity to climate change. These indicators are being used by local and state programs to plan to meet the needs of the communities most at risk of harm from climate change.

Indicator data are available for download on the 'Download Your Data' tab or from the CalBREACE website. You can also download narratives describing each indicator’s significance to climate change and health, the evidence that links the indicator to health outcomes, data sources, bibliographic references, methodology, and limitations that impact the interpretation of the indicator.

Our Indicators

Exposures
- Projected number of extreme heat days | description | data
- Three-year ozone concentration exceedance | description | data
- Annual Mean Ambient Concentration of Fine Particulate Matter (PM2.5) | description | data
- % of population currently living in very high wildfire risk areas | description | data
- Population living in sea level rise inundation areas | description | data

Sensitive Populations
- % of population age less than 5 years | description | data
- % of population aged 65 years or older | description | data
- Overall, concentrated, and child (0 to 15 years of age) poverty rate | description | data
- High School or Greater Educational Attainment in the Population Aged 25 Years and Older | description | data
- % of population employed and aged > 16 working outdoors | description | data
- % of households with no vehicle ownership | description | data
- % of households with no one aged > 14 years speaking English | description | data
- % of households with a mental health disability | description | data
- % of adults aged 18-54 without health insurance | description | data
- Number of Violent Crimes per 1,000 Population | description | data

Adaptive Capacity
- % of households without air conditioning | description | data
- % of households without tree canopy coverage | description | data
- % of area covered by impervious surfaces | description | data

ENVIRONMENTAL EXPOSURES

Extreme Heat Days
Projected number of extreme heat days

Air Quality (PM2.5)
Three-year average annual concentration of particulate matter (PM2.5)

Wildfires
Percent of population currently living in high fire hazard zone

Sea Level Rise
Percent of population living in 100-year flood zone and 55 inches of sea level rise

POPULATION SENSITIVITY

Children
Percent of population aged less than 5 years

Income
Percent of population aged 65 years or older

Poverty
Percent of population whose income in the past year was below poverty level

Education
Percent of population aged > 25 years with less than high school educational attainment

Outdoor Workers
Percent of population employed and aged > 14 years working outdoors

Vehicle Ownership
Percent of occupied households with no vehicle ownership

Linguistic Isolation
Percent of households with no one aged > 14 years speaking English

Physical Disability
Percent of population with physical disability (ambulatory disability)

Mental Disability
Percent of population with mental disability (cognitive disability)

Health Insurance
Percent of population without health insurance

Violent Crime Rate
Number of violent crimes per 1,000 residents

ADAPTIVE CAPACITY

Air Conditioning
Percent of households without air conditioning

Tree Canopy
Percent of area covered by tree canopy

Impervious Surfaces
Percent of area covered by impervious surfaces

Data Sources:
5. American Community Survey (ACS) by U.S. Census Bureau (2010-2019)
6. American Community Survey (ACS) by U.S. Census Bureau (2008-2012)
9. Residential Air Quality Survey (RAQ)
Vulnerability

Visualize California Counties based on levels of both an exposure variable and a population sensitivity variable. The plot illustrates the intersection of hazard (from an aspect of climate change) and sensitivity (from circumstances of the population or place that tend to increase susceptibility to the hazards of climate change). Counties are assigned to the bottom (level), middle, or top (most) third for both exposure and sensitivity. The most vulnerable counties appear in the top right-most portion of the figure. Points are sized according to the population size in that county. Hover over points for the county name, population, and indicator values.

Some examples of important combinations to consider are:
- Heat + elderly / outdoor workers / health insurance / air conditioning / tree canopy / impervious surfaces
- Ozone + children
- PWS2 + children
- Wildfire + elderly / disability

Combined Vulnerability from Exposure (Projected number of extreme heat days) and Sensitivity (Percent of population aged 65 years or older)

Download the data in this figure

Download the data in this Map
CCHVIz: https://discovery.cdph.ca.gov/ohe/CCHVIz/
CCHVIz

https://discovery.cdph.ca.gov/ohe/CCHVIz/

CCHVIz is a web-based tool developed by the California Department of Public Health. It provides data and visualization for various health indicators, including the percentage of the population with disabilities. Users can select a county, an indicator, and a strata to view detailed data and maps. The tool allows for downloading data and narratives for further analysis.
Download Data

CCHVIz

https://discovery.cdph.ca.gov/ohe/CCHVIz/

<table>
<thead>
<tr>
<th>County</th>
<th>Region</th>
<th>Definition</th>
<th>Strata</th>
<th>Race</th>
<th>Mean</th>
<th>LL95</th>
<th>UL95</th>
<th>Numerator</th>
<th>Denominator</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contra Costa</td>
<td>Bay Area</td>
<td>Population living in sea level rise inundation areas</td>
<td>none</td>
<td>AIAN</td>
<td>1.2</td>
<td>0.8</td>
<td>1.6</td>
<td>37</td>
<td>2.994</td>
</tr>
<tr>
<td>Contra Costa</td>
<td>Bay Area</td>
<td>Population living in sea level rise inundation areas</td>
<td>none</td>
<td>Asian</td>
<td>0.8</td>
<td>0.7</td>
<td>0.8</td>
<td>11.162</td>
<td>148.881</td>
</tr>
<tr>
<td>Contra Costa</td>
<td>Bay Area</td>
<td>Population living in sea level rise inundation areas</td>
<td>none</td>
<td>AfricanAm</td>
<td>1.9</td>
<td>1.8</td>
<td>2.0</td>
<td>1.761</td>
<td>93.604</td>
</tr>
<tr>
<td>Contra Costa</td>
<td>Bay Area</td>
<td>Population living in sea level rise inundation areas</td>
<td>none</td>
<td>Latino</td>
<td>1.4</td>
<td>1.3</td>
<td>1.4</td>
<td>3.549</td>
<td>255.540</td>
</tr>
<tr>
<td>Contra Costa</td>
<td>Bay Area</td>
<td>Population living in sea level rise inundation areas</td>
<td>none</td>
<td>NHPI</td>
<td>1.2</td>
<td>0.9</td>
<td>1.5</td>
<td>53</td>
<td>4.282</td>
</tr>
<tr>
<td>Contra Costa</td>
<td>Bay Area</td>
<td>Population living in sea level rise inundation areas</td>
<td>none</td>
<td>White</td>
<td>0.4</td>
<td>0.4</td>
<td>0.4</td>
<td>2.090</td>
<td>500.923</td>
</tr>
<tr>
<td>Contra Costa</td>
<td>Bay Area</td>
<td>Population living in sea level rise inundation areas</td>
<td>none</td>
<td>Multiple</td>
<td>0.7</td>
<td>0.6</td>
<td>0.8</td>
<td>282</td>
<td>29.569</td>
</tr>
<tr>
<td>Contra Costa</td>
<td>Bay Area</td>
<td>Population living in sea level rise inundation areas</td>
<td>none</td>
<td>Other</td>
<td>1.4</td>
<td>1.0</td>
<td>1.8</td>
<td>43</td>
<td>3.122</td>
</tr>
<tr>
<td>Contra Costa</td>
<td>Bay Area</td>
<td>Population living in sea level rise inundation areas</td>
<td>none</td>
<td>Total</td>
<td>0.9</td>
<td>0.8</td>
<td>0.9</td>
<td>8.97</td>
<td>1.049.025</td>
</tr>
</tbody>
</table>

Showing 1 to 9 of 9 entries