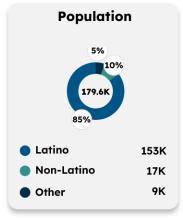
EXTREME HEAT

UCLA Latino Policy & Politics Institute Climate & Health Dashboard

Imperial County

County Statistics

Factors Influencing Exposure to Extreme Heat



Median Age Latino: 31 NL: 50 Noncitizen Population Latino: 17%

NI · 1%

Limited English
Proficiency
Latino: 40%
NI: 1%

Renter

Renter Households Latino: 45% NL: 27% H

Rate Latino: 22% NL: 12% Median Income

(Household)

Latino: \$51k NL: \$68k



Benefits Latino: 28% NL: 13% Food
Insecurity

Latino: 25% NL: 11%



Rate Latino: 7% NL: 6% Fair/Poor Health Status

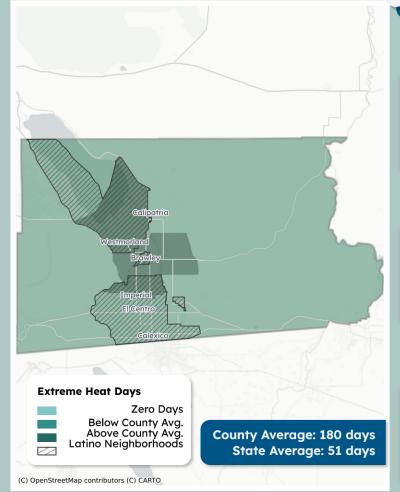
Latino: 21% NL: 15% Life

Expectancy Latino: 78 yrs NL: 73 yrs

Neighborhood Statistics

Extreme Heat Days

Latino Neighborhoods and Exposure to Extreme Heat Days (≥ 90°F), 2018-2022



Latino neighborhoods = Census tracts with 70%+ Latino residents Non-Latino neighborhoods = Census tracts with 70%+ non-Latino residents

Extreme heat days are defined as days where the temperature is at or above 90°F. Exposure to extreme heat poses significant health risks.

Annual Number of Extreme Heat Days (2018-2022)

At 90°F, the risk of heat-related illnesses and conditions increases significantly. **Latino** neighborhoods

NL neighborhoods

180 days

175 days

average days ≥ 90°F annually

Longest Period of Consecutive Extreme Heat Days (2022)

The Federal Emergency Management Agency defines a period of extreme heat in most of the U.S. as a period of 2 to 3 days above 90°F.

Latino neighborhoods

NL neighborhoods

125 days

130 days

consecutive days ≥ 90°F annually

Projected Number of Extreme Heat Days by Mid-Century (2035–2064)

Looking forward, Non-Latino neighborhoods are projected to experience a greater number of extreme heat days. **Latino** neighborhoods **NL** neighborhoods

208 days

219 days

expected days ≥ 90°F annually

^{*}NL = Non-Latino



Neighborhood Statistics (cont.)

Barriers and Facilitators To Preventing Heat Exposure

Tree Canopy



Tree canopy is land shaded by trees. Less tree canopy (fewer trees) = **Increased** exposure to extreme heat

% of Land with Tree Canopy

2%

Latino neighborhoods

NL neighborhoods

1%

Impervious Surfaces



Impervious surfaces are water-resistant surfaces such as concrete, asphalt, and stone.

More impervious surfaces (like paved roads) = Increased exposure to extreme

% of Land with Impervious Surfaces

1%

30%

Latino

NL neighborhoods neighborhoods

Older Housing Units



Older housing units are homes built before 1970 that often have poor insulation and inefficient HVAC systems. More older homes = Increased exposure to extreme heat

% of Older Housing Units

23%

Latino neighborhoods

26% NL neighborhoods

Vulnerable Groups

Age

Children and older adults are at higher risk for heat-related illnesses.

30% 14%

ages 0-18 ages 65+ Latino neighborhoods

13% 9% ages 0-18 ages 65+

NL neighborhoods

Workers in Heat-Exposed Industries

Industries with the highest exposure to extreme heat include agriculture, construction, waste management, and warehousing. Jobs in these sectors carry increased risks of heat-related illnesses such as heat stroke, dehydration, chronic heat stress, and even premature death.

% of Workers in Heat-Exposed Industries

24%

Latino neighborhoods

29% **NL** neighborhoods

Health

Extreme heat poses serious health risks, especially for people with conditions like heart disease, asthma, diabetes, and obesity. These individuals are more vulnerable because heat places extra stress on the body, worsening symptoms and increasing the risk of medical emergencies.

% of Adults (18+) with Pre-Existing Conditions

14%

Latino neighborhoods neighborhoods

Diabetes

37% 40% Latino

neighborhoods neighborhoods

Obesity

Heat-Related Emergency Department Visits

Heat-related emergency room visits serve as a critical

indicator of a neighborhood's vulnerability to extreme temperatures and the effectiveness

of its heat mitigation strategies.

per 10,000 people

Latino neighborhoods

@ @

NL neighborhoods

@ @

Emergency Department Visits (per 10,000 people)

20

Latino NL neighborhoods neighborhoods

Heart Attacks

91 Latino

neighborhoods neighborhoods

Asthma Attacks

Disadvantaged Communities

The CA Environmental Protection Agency defines disadvantaged communities based on their environmental pollution burden and population characteristics. Under Senate Bill 535, revenue from CA's Cap-and-Trade Program is partly directed toward these communities through the CA Climate Investments program to reduce pollution, enhance climate resilience, and improve health and economic well-being.

% of Disadvantaged Communities

79%

14%

Latino neighborhoods

NL neighborhoods