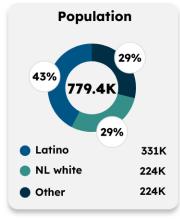
# EXTREME HEAT

#### Latino Policy & Politics Institute UCLA Climate & Health Dashboard

## San Joaquin County

## **County Statistics**

## **Factors Influencing Exposure to Extreme Heat**



Age Latino: 28 yrs NL white: 47 yrs **Noncitizen Population** 

Latino: 18% NI white: 2% **Limited English** 

**Proficiency** Latino: 26% NL white: 1%

**Households** Latino: 48% NL white: 31%

Rate Latino: 14%

(Household) Latino: \$74k NL white: 10%

NL white: \$91k

**Median Income** 



Benefits

Latino: 22% NL white: 8%



Insecurity Latino: 19% NL white: 9%



Latino: 10% NL white: 4%



**Health Status** Latino: 21%

NL white: 14%

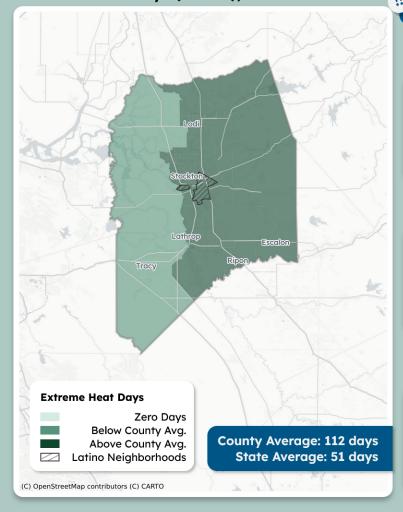


Expectancy Latino: 79 yrs NL white: 76 yrs

## **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 NL white neighborhoods = Census tracts with 70%+ NL white 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 **114** days

NL white neighborhoods **115** 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** white neighborhoods

**71** days

70 days

consecutive days ≥ 90°F annually

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

Looking forward, both Latino and NL white neighborhoods are projected to experience a similar number of extreme heat days

Latino neighborhoods

NL white neighborhoods

**122** days

**121** days

expected days ≥ 90°F annually

<sup>\*</sup>NL white = Non-Latino white



## **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

9% Latino

neighborhoods

8% NL white

neighborhoods

#### **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

57%

Latino neighborhoods

28% NL white 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

56%

Latino neighborhoods

26% **NL** white neighborhoods

## **Vulnerable Groups**

#### Age

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

31% 9% ages 0-18 ages 65+ Latino neighborhoods

22% 20% ages 0-18 ages 65+ NL white 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

47%

Latino neighborhoods

20% NL white 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

**16%** 

Latino **NL** white neighborhoods neighborhoods

**Diabetes** 

41% Latino

**32%** NL white

neighborhoods neighborhoods

Obesity

#### Emergency Department Visits (per 10,000 people)

21

**NL** white Latino neighborhoods neighborhoods

**Heart Attacks** 

86

43

Latino NL white neighborhoods neighborhoods

**Asthma Attacks** 

### **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

88888

NL white neighborhoods

#### **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

100%

14%

Latino neighborhoods

**NL** white neighborhoods