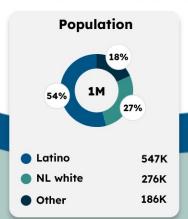
EXTREME HEAT

Latino Policy & Politics Institute UCLA Climate & Health Dashboard

Fresno County

County Statistics

Factors Influencing Exposure to Extreme Heat



Median Age Latino: 28 NL white: 46

•= **Noncitizen Population** Latino: 16%

NL white: 2%

Limited English Proficiency Latino: 25%

NL white: 2%

Households Latino: 55% NL white: 34%

Rate Latino: 24% NL white: 11% **Median Income**

(Household) Latino: \$56k NL white: \$81k



Benefits

Latino: 25% NL white: 10%



Food Insecurity

Latino: 23% NL white: 10%



Rate Latino: 9% NL white: 4%



Fair/Poor **Health Status**

Latino: 18% NL white: 12%



Life Expectancy

Latino: 77 yrs NL white: 77 yrs

NL white = Non-Latino white

Neighborhood Statisti

Extreme Heat Days

Below County Avg.

Above County Avg.

County Average: 134 days State Average: 51 days

Lating 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 TI. 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

neighborhoods **136** days **105** 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

NL white

88 days

58 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

144 days

145 days

expected days ≥ 90°F annually

Firebough Mendota
Senger
Sen Jeequin Ringsburg
Coalinge
Country
(C) OpenStreetMap contributors (C) CARTO



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

4%

17%

Latino neighborhoods

NL white neighborhoods

Impervious Surfaces



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

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

% of Land with Impervious Surfaces

28%

23% NL white Latino

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

42%

29%

Latino neighborhoods

NL white neighborhoods

Vulnerable Groups

Age

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

31% 10% ages 0-18 ages 65+

Latino neighborhoods

25% 19% 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

40%

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

15%

Latino **NL** white

neighborhoods neighborhoods **Diabetes**

42% Latino

32% NL white

neighborhoods neighborhoods

Obesity

Emergency Department Visits (per 10,000 people)

18

Latino **NL** white neighborhoods neighborhoods

Heart Attacks

94

40

NL white Latino 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

1

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

98%

Latino

NL white neighborhoods neighborhoods

0%