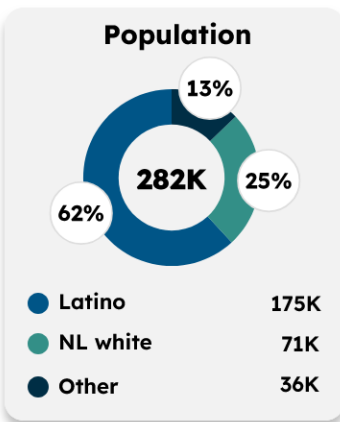


# EXTREME HEAT

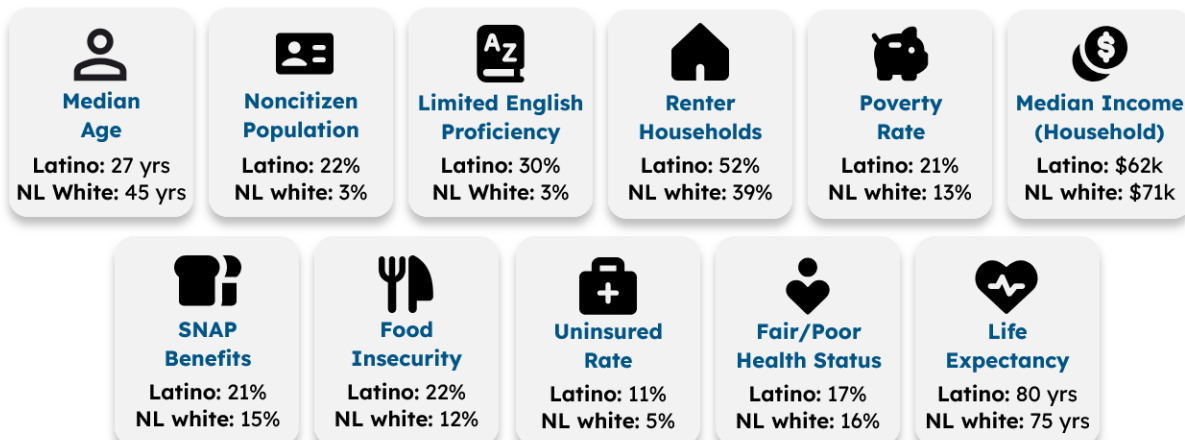
## Merced County

### County Statistics

#### Factors Influencing Exposure to Extreme Heat



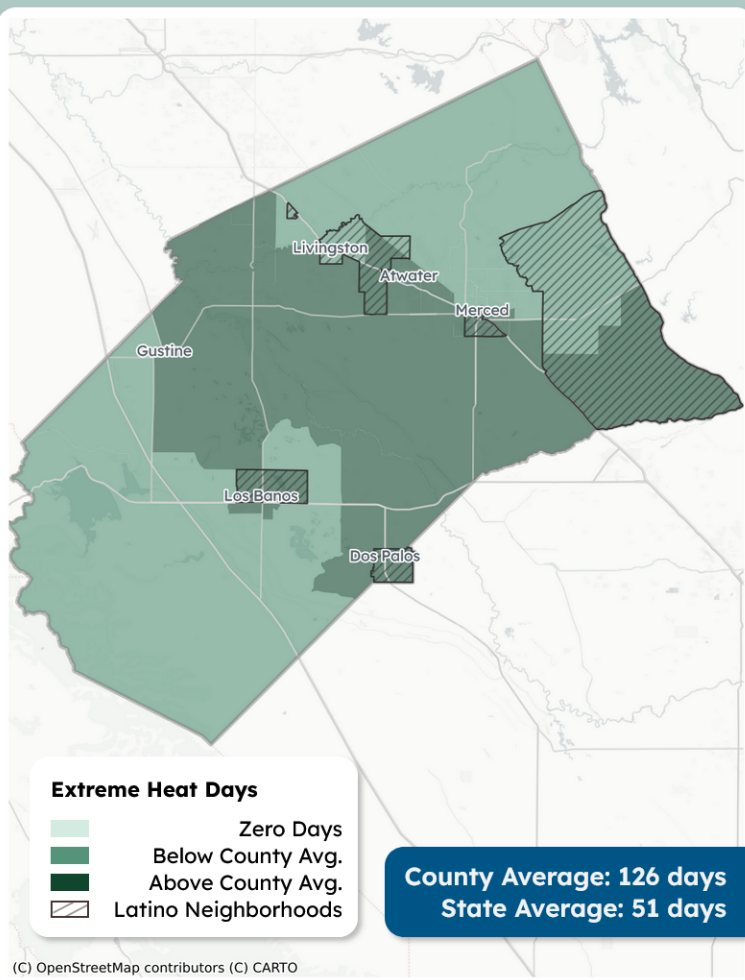
\*NL white = Non-Latino white



### Neighborhood Statistics

#### Extreme Heat Days

#### Latino Neighborhoods and Exposure to Extreme Heat Days ( $\geq 90^{\circ}\text{F}$ ), 2018-2022



Latino neighborhoods = Census tracts with 70%+ Latino residents

NL neighborhoods = Census tracts with less than 70%+ Latino residents

!! **Extreme heat days** are defined as days where the temperature is at or above  $90^{\circ}\text{F}$ . Exposure to extreme heat poses significant health risks.

#### Annual Number of Extreme Heat Days (2018-2022)

At  $90^{\circ}\text{F}$ , the risk of heat-related illnesses and conditions increases significantly.

| Latino neighborhoods                            | NL neighborhoods |
|---|------------------|
| <b>127 days</b>                                 | <b>126 days</b>  |
| average days $\geq 90^{\circ}\text{F}$ 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  $90^{\circ}\text{F}$ .

| Latino neighborhoods                                | NL neighborhoods |
|---|------------------|
| <b>85 days</b>                                      | <b>82 days</b>   |
| consecutive days $\geq 90^{\circ}\text{F}$ annually |                  |

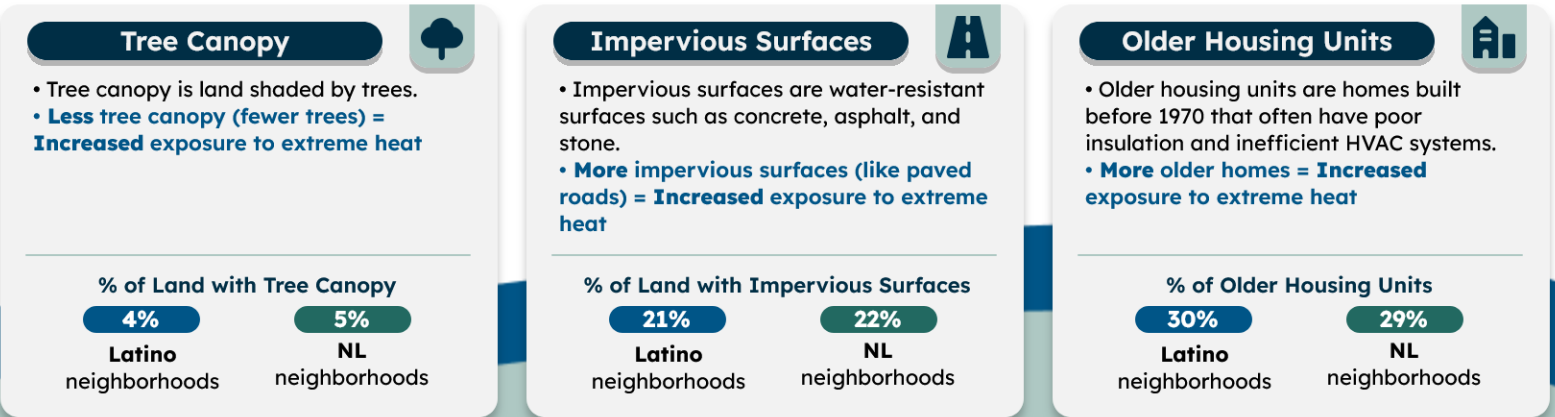
#### Projected Number of Extreme Heat Days by Mid-Century (2035-2064)

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

| Latino neighborhoods                             | NL neighborhoods |
|--|------------------|
| <b>136 days</b>                                  | <b>140 days</b>  |
| expected days $\geq 90^{\circ}\text{F}$ annually |                  |

## Neighborhood Statistics (cont.)

### Barriers and Facilitators To Preventing Heat Exposure



### Vulnerable Groups

