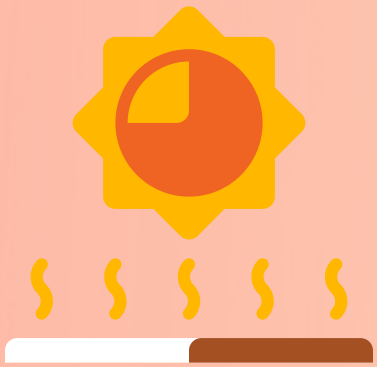
EXTREME HEAT ADVISORY- JUNE 14, 2023

Miami-Dade County, FL



108°

For the first time since June 2020, a heat advisory was issued for Miami-Dade and Broward Counties.

A heat advisory is issued when the "feels like" temperature is at 105°F for more than 2 hours.

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Miami-Dade County. (2021). Understanding heat exposure in Miami-Dade County. Miami-Dade County Resilient 305. https://storymaps.arcgis.com/stories/6f1e91cf8a8e4d5d9bd67525575c042e

Garcia, D. et al. (2023). Heat advisory issued in Miami-Dade, Broward counties as temperatures increase. 7News Miami. https://wsvn.com/news/local/miami-dade/heat-advisory-issued-in-miami-dade-broward-counties-as-temperatures-increase/

Extreme Heat and Miami-Dade County

**Due to Miami-Dade County's rapid urban development and population increase,
an urban heat island has been created.**

Urban heat islands occur when cities lack vegetation and green space, which collects rainfall and cools the area. Due to unequal neighborhood compositions, Miami's city areas will have much higher temperatures than the rural communities.

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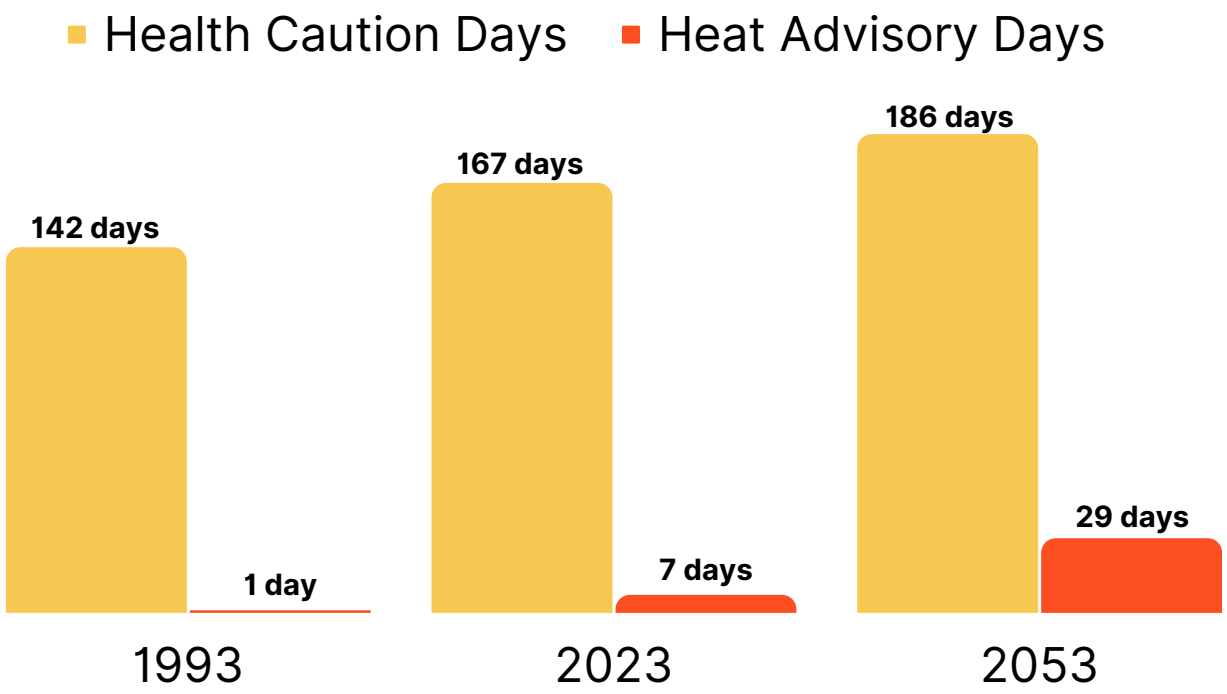
Miami-Dade County Heat Trends



Compared to heat advisory days where the feel like temperature is 105°F for more than two days, heat caution days have temperatures above 90°F.

Both are expected to rise in the next 30 years.

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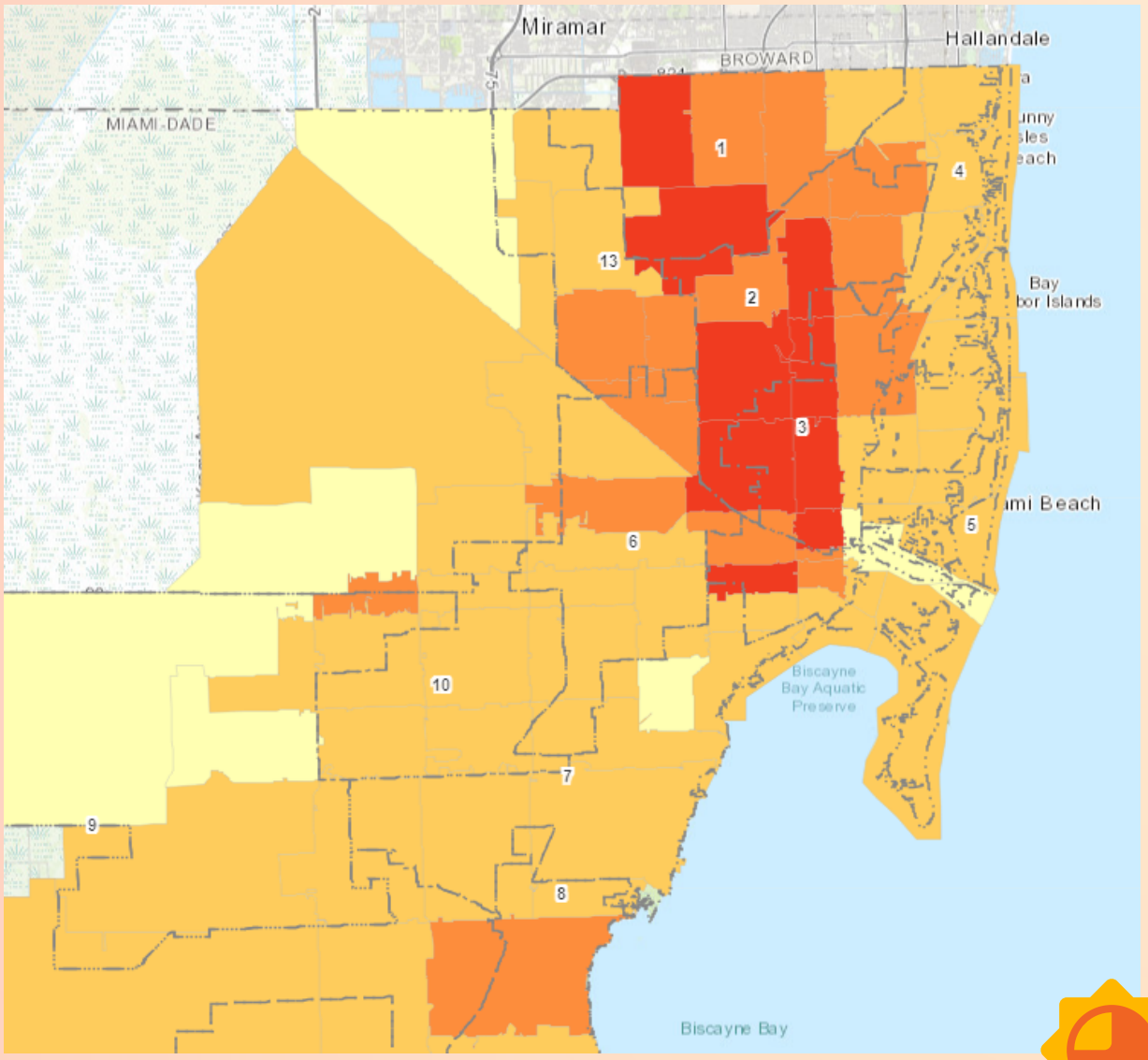
Risk Factor. (2023). Heat Risk Overview: Does Miami-Dade County have risk? https://riskfactor.com/county/miami-dade-county/12086_fsid/heat#heat_energy_usage

Resilient 305
Heat Vulnerability Map

The darker colors on the map indicate commission districts that are more vulnerable to heat related illnesses, due to

- **urban density,**
- **little tree coverage, and**
- **less energy efficient housing.**

Most vulnerable areas include the Little Haiti, Overtown, Allapattah, and Opa-Locka neighborhoods.



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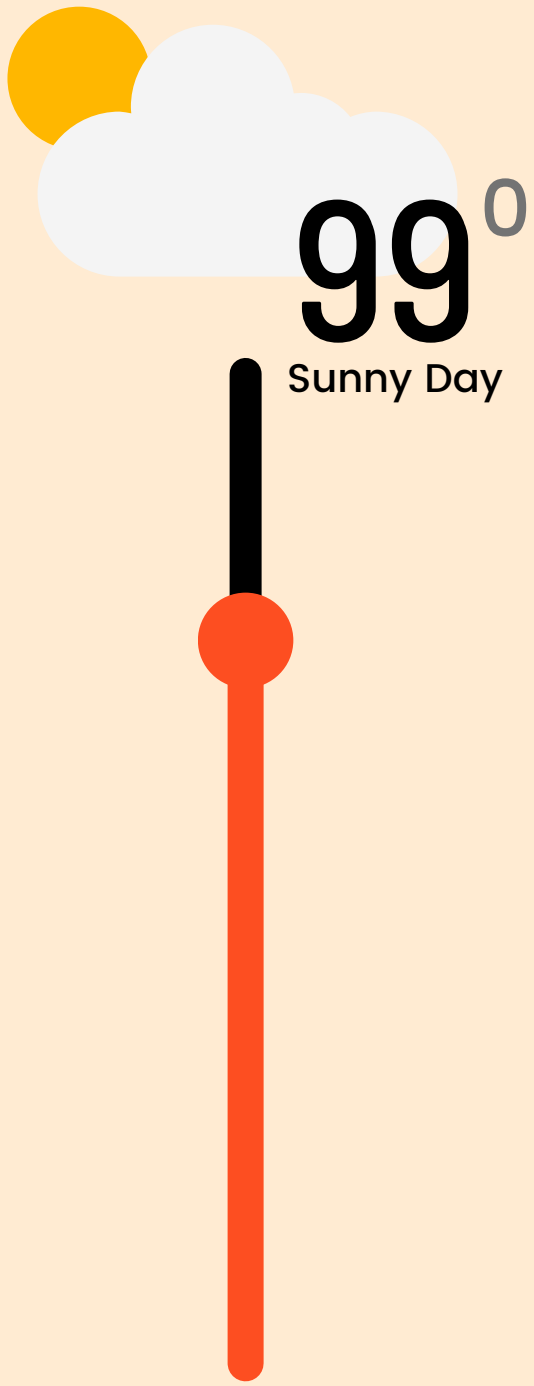
Community Resiliency



To mitigate the effects of heat related illnesses, the county has offered loans for cooling systems and energy bill coverage. However, heat vulnerability is persistent in

- **Redlined districts**
- **Low-income areas**
- **Predominantly Black or African American communities.**

Further consideration must be given to developing more tree canopies, increasing heat awareness, and investing in the intersection of related factors.

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