



HEAT-ASSOCIATED DEATHS & EMERGENCY DEPARTMENT VISITS 2023 MONTHLY REPORT [AUGUST 2023]

In an effort to keep Clark County residents and visitors aware of heat associated illness and mortality, the Southern Nevada Health District (SNHD) has initiated monthly extreme heat updates. The Centers for Disease Control and Prevention (CDC) defines extreme heat as reaching higher than average temperatures or humidity levels for a particular location and time of year. Heat-related illness occurs when a person’s body temperature rises faster than it can cool down, which may lead to heat exhaustion or heat stroke, ultimately damaging the brain or other vital organs. Older adults, the very young, and those with mental illness or chronic disease have the highest risk of heat-related illness. However, anyone can be affected if participating in strenuous physical exercise in hotter weather. Heat related deaths and illnesses are preventable; please visit www.snhd.info/heat. Clark County has cooling and hydration stations open to the public throughout the heat season. For more information regarding community resources, please visit www.clarkcountynv.gov. The surveillance began in April and will end in October. This heat season (2023), there has been a total of **21 heat-associated deaths**.

Figure 1. Heat-associated deaths in Clark County by week, as of 08/16/2023

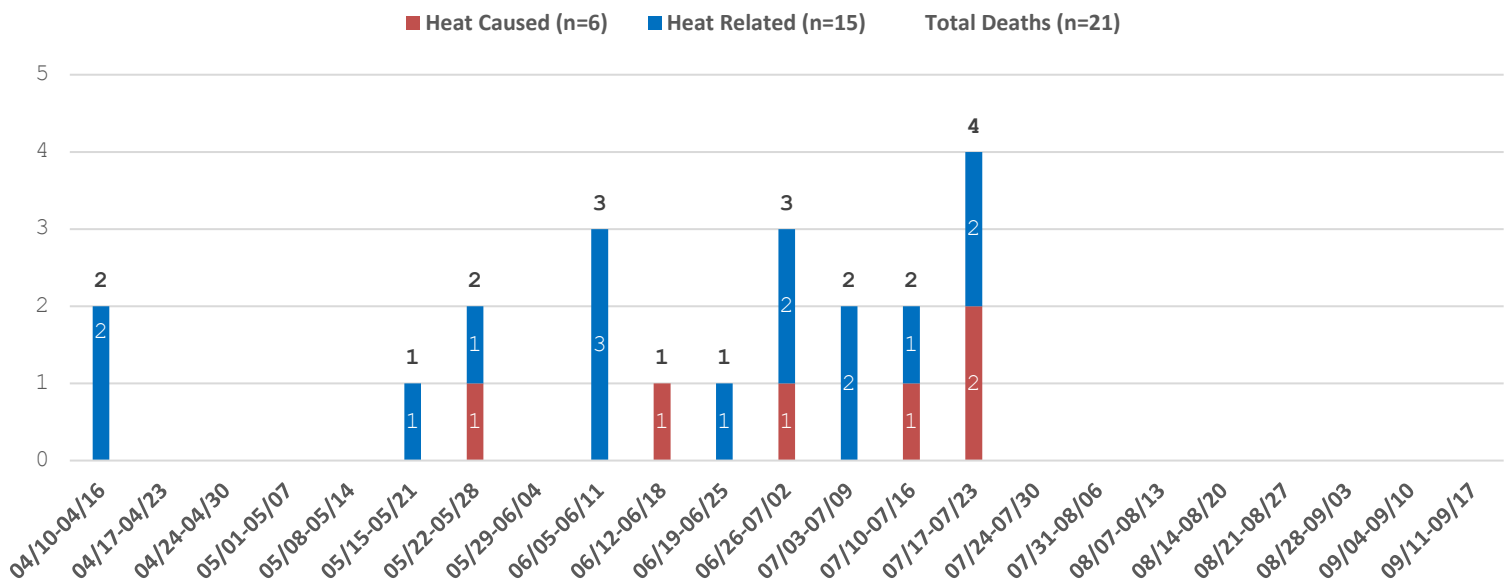


Table 1. Cumulative Totals of heat-associated deaths

2023 YTD Total		2022	
Confirmed	First Death	Confirmed	First Death
21	4/11/2023	151	2/5/2022

Figure 2. Heat-associated deaths by year, totals 2019 – 2023

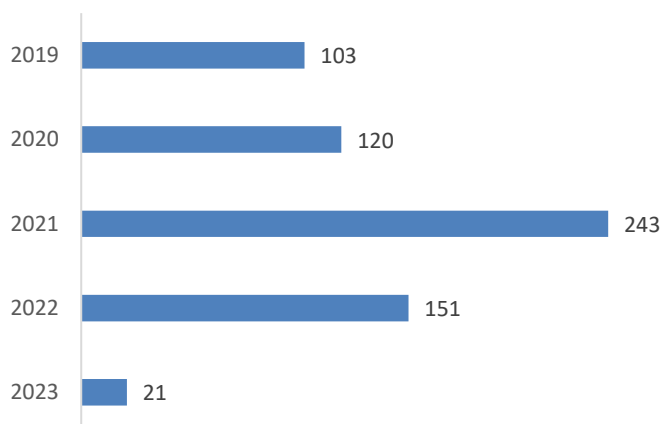


Figure 3. Percentage of heat-associated deaths in Clark County by Gender

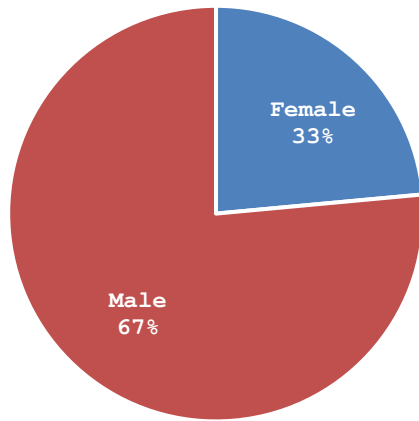


Figure 4. Total of heat-associated deaths in Clark County by Age

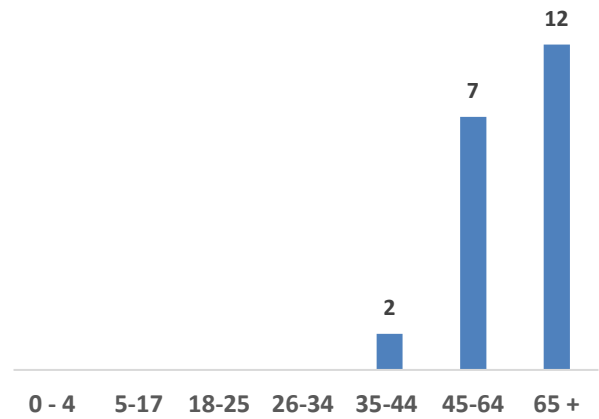


Table 2. Total of heat-associated deaths in Clark County by Race

Race/Ethnicity		Count	% of Deaths
Non-Hispanic	White	12	57.1%
	Black	3	14.3%
	Asian/Pacific Islander	4	19.0%
	American Indian/Alaskan Native	0	0%
	Multi-racial	0	0%
	Other	0	0%
Hispanic		2	9.5%
Unknown		0	0%

Table 3. Heat-associated deaths among homeless population

Homeless	Count	% of Deaths
Yes	1	5%
No	20	95%
Unknown	0	0%

*Race and Hispanic origin are reported separately on death certificates. People of Hispanic origin may be of any race. For this table, non-Hispanic individuals are classified by race.

Figure 5. Clark County heat-associated deaths by month

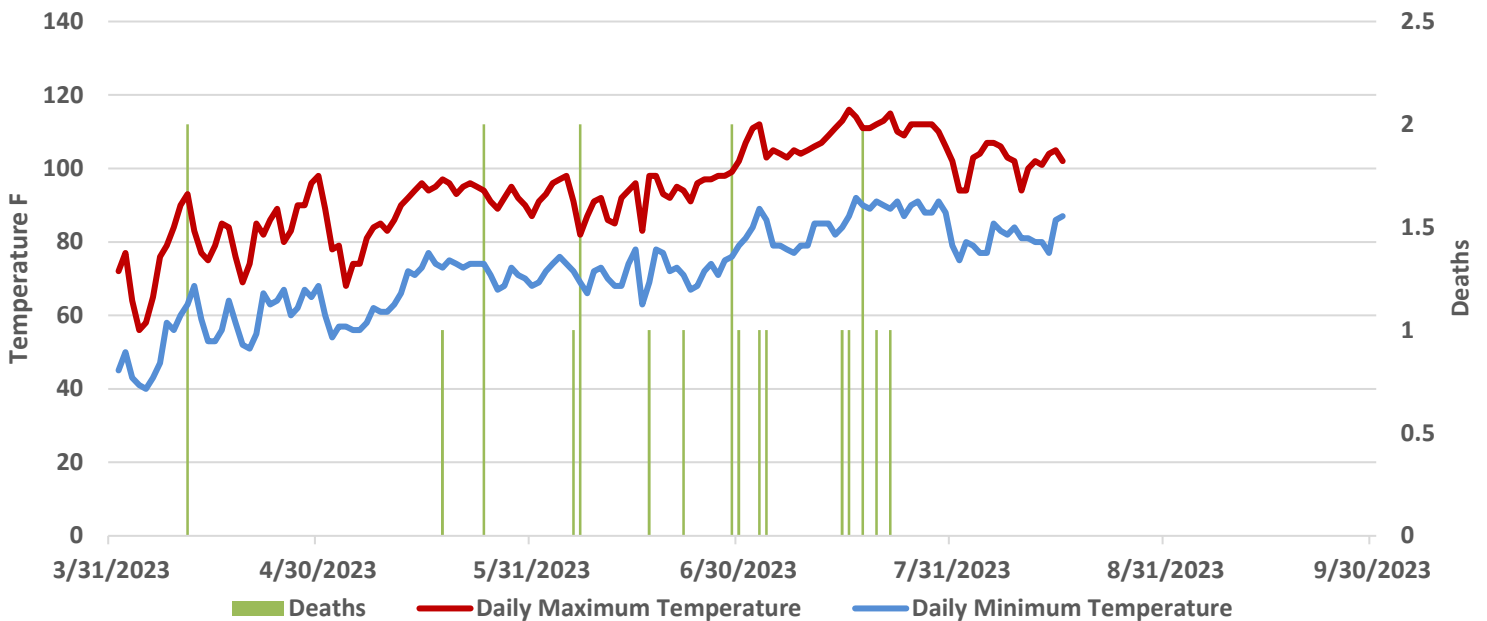
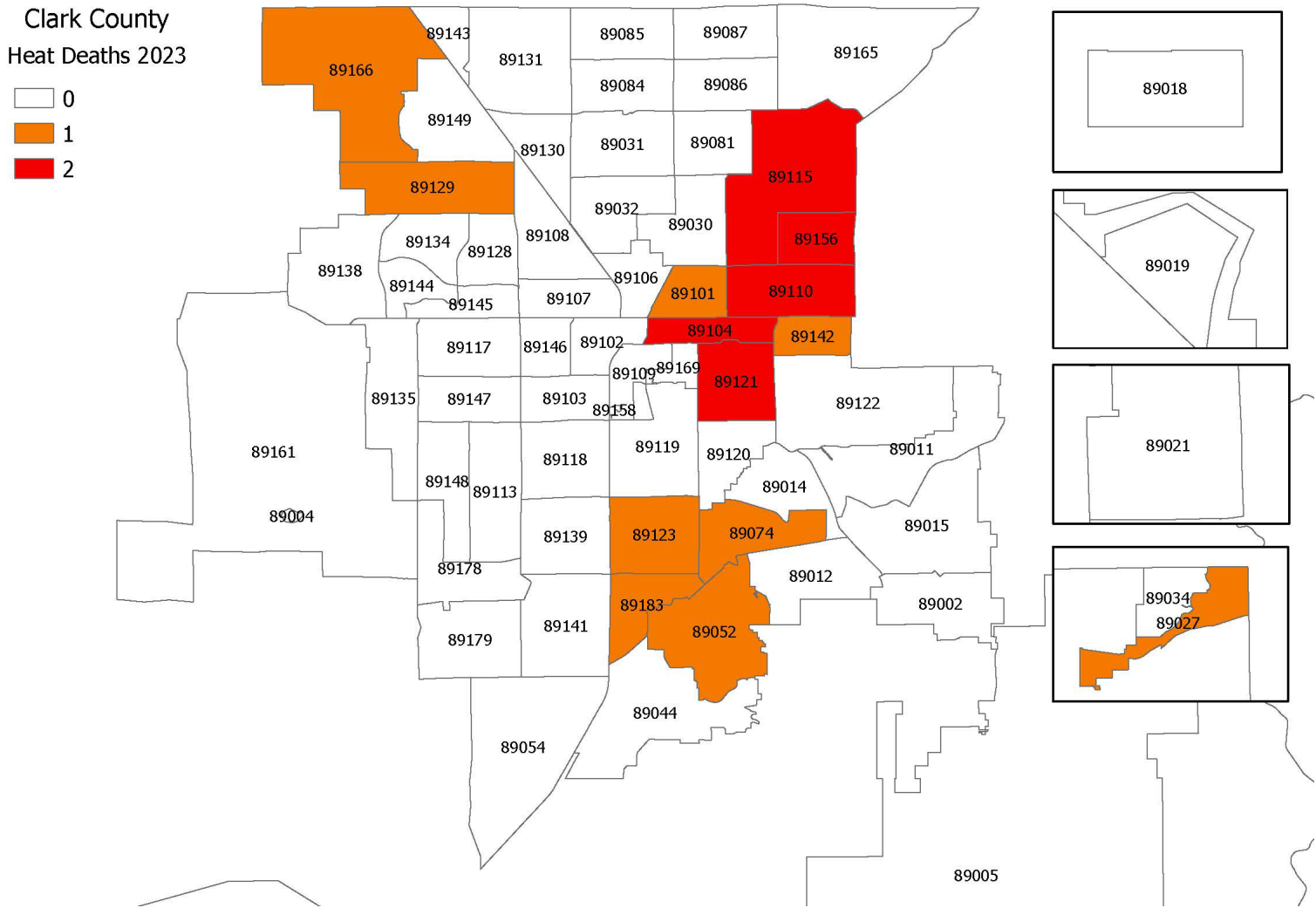


Figure 6. Location of injury for heat-associated deaths among zipcodes associated with Clark County, NV*



*Two cases did not have a known zipcode for the location of heat injury.

*Note: Data is preliminary and subject to change throughout the season.

Data Source:

Mortality and Demographics: Nevada Electronic Death Registry System (EDRS) provided by the Nevada Department of Public and Behavioral Health Office of Analytics.

Cases with a confirmed address in the resident fields of the death record, unless otherwise noted by the coroner or the address belongs to an establishment serving the homeless, are not counted as homeless.

Max/Min Temperature: National Weather Service. Past weather reported by location Las Vegas Area, NV.

Heat Associated Deaths: defined as those having an ICD-10 code of 'T67' or 'X30' as the underlying or contributing cause of death.

“Heat Caused” Deaths: Deaths in which a form of heat (exposure, hyperthermia) is listed in Part I of the Cause of Death in the death certificate; either the immediate cause or part of the chain of events leading to immediate cause of death.

“Heat Related” Deaths: Deaths in which a form of heat (exposure, hyperthermia) is listed in “Other Significant Conditions” or Part II of the death certificate but not listed in Part I.

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Figure 7. Daily Count of Emergency Department Visits due to Heat-Related Illness

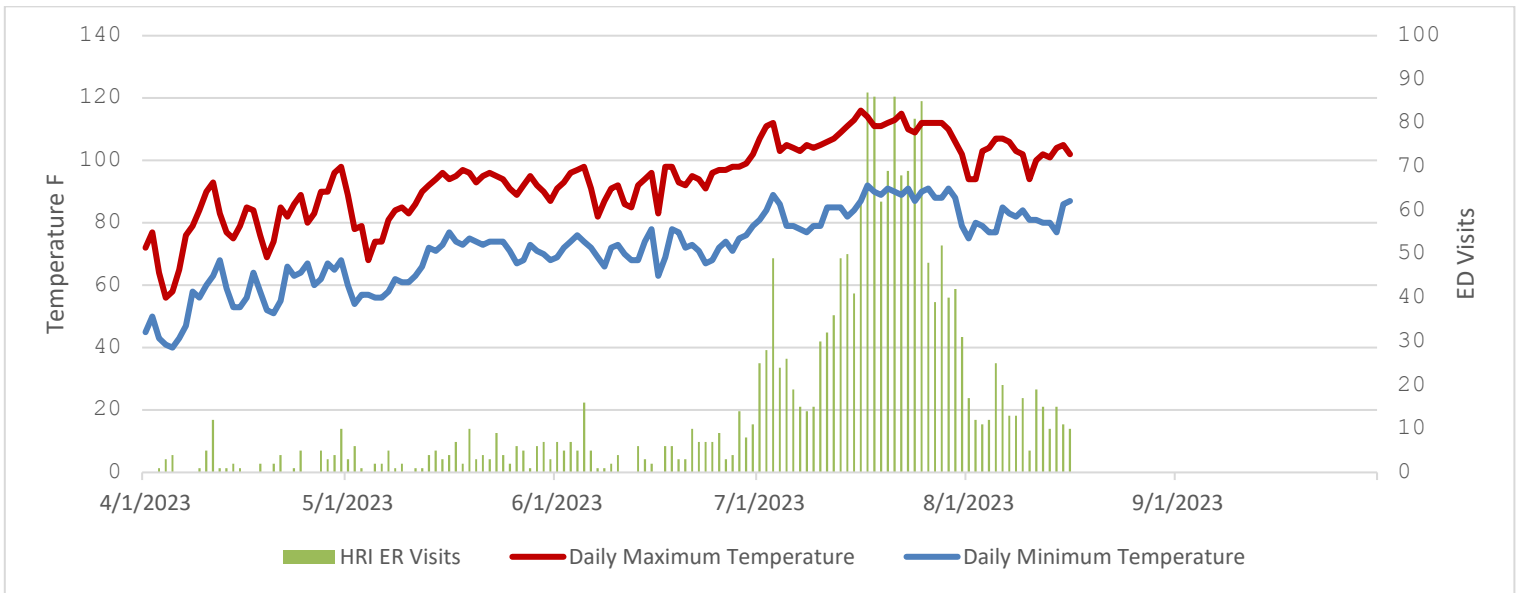


Figure 8. Heat-Related Illness ED Visits by Gender

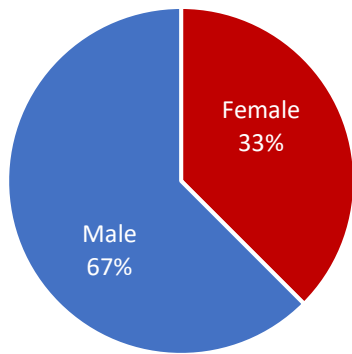
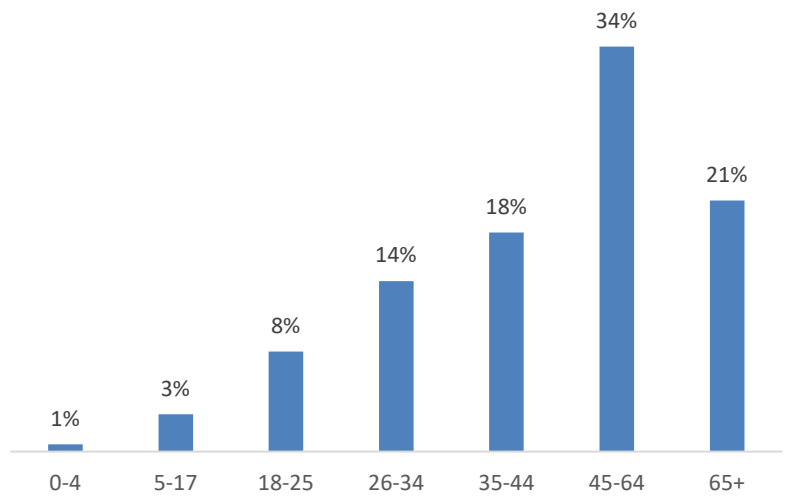


Figure 9. Heat-Related Illness ED Visits by Age Group



Data Source: The Electronic Surveillance System for the Early Notification of Community-Based Epidemics (ESSENCE). Heat-related illness data was identified by querying CC and DD Category “Heat Related Illness v1”. Data is preliminary and subject to change throughout the season.