



## HEAT-ASSOCIATED DEATHS & EMERGENCY DEPARTMENT VISITS 2022 REPORT

In an effort to keep Clark County residents and visitors aware of heat associated illness and mortality, the Southern Nevada Health District (SNHD) has developed this report detailing heat associated deaths and ED visits for 2022. 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](http://www.snhd.info/heat); Clark County has cooling and hydration stations open to the public throughout the heat season. For the most current information regarding community resources, please visit [www.clarkcountynv.gov](http://www.clarkcountynv.gov).

Figure 1. Heat-associated deaths in Clark County by week, 2022

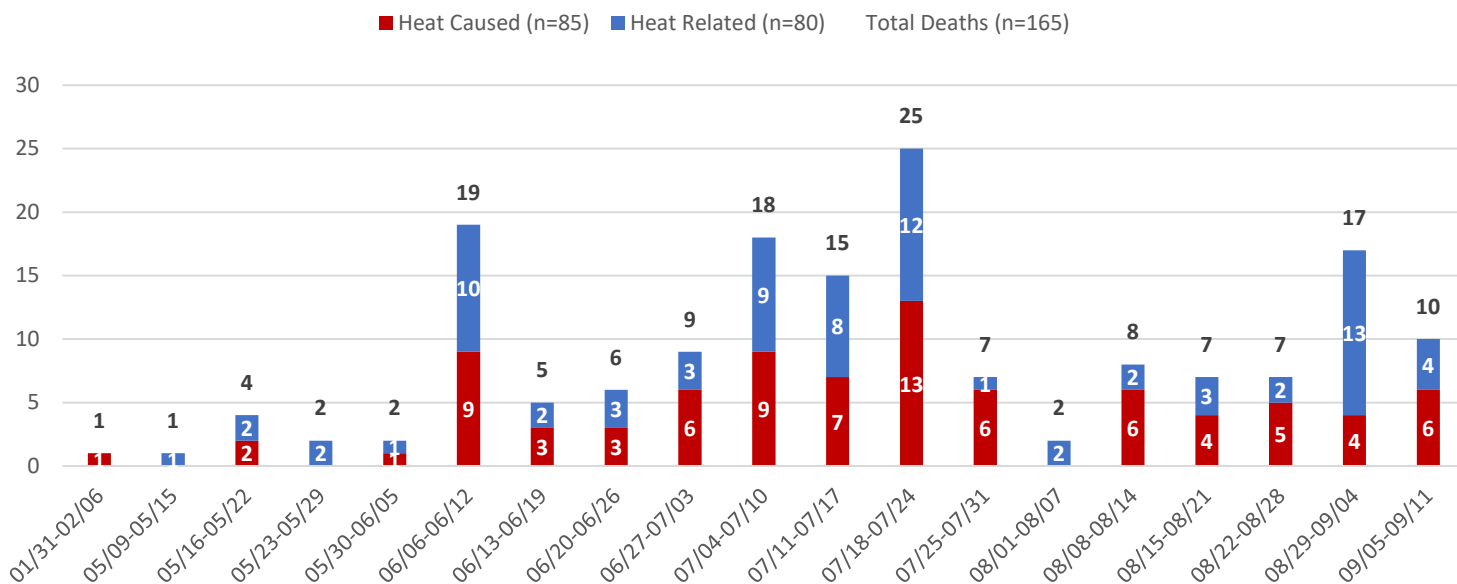


Figure 2. Heat-associated deaths by year, totals 2018 – 2022

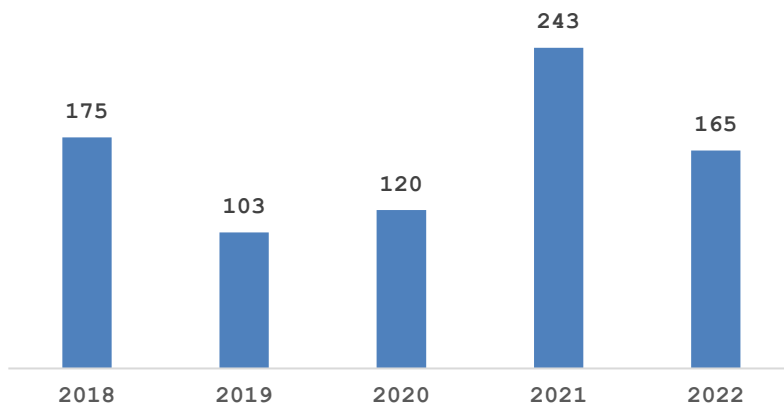


Figure 3. Percentage of heat-associated deaths in Clark County by Gender, 2022

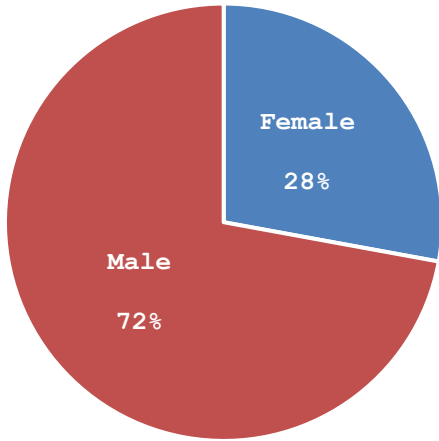


Figure 4. Count of heat-associated deaths in Clark County by age, 2022

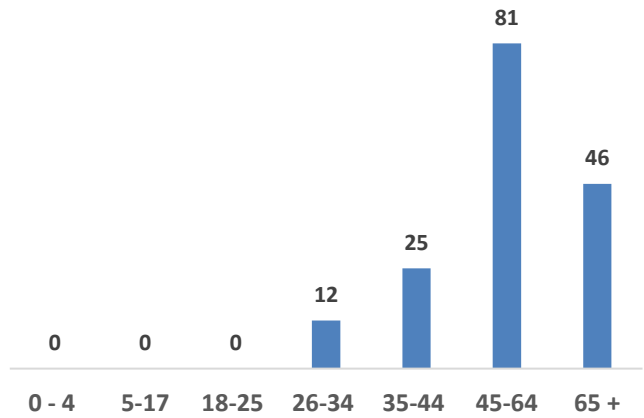
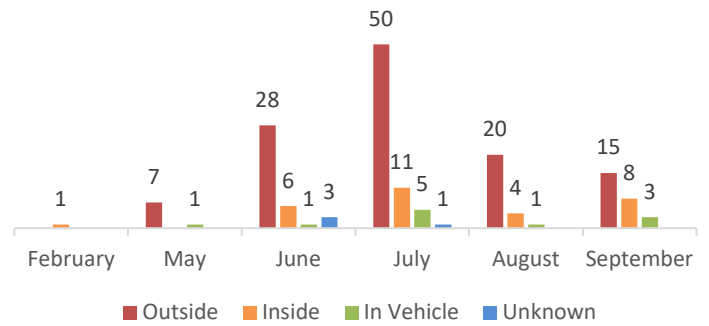


Table 2. Heat-associated deaths in Clark County by Race, 2022

Race/Ethnicity		Count	% of Deaths
Non-Hispanic	White	93	56%
	Black	31	19%
	Asian/Pacific Islander	10	6%
	American Indian/Alaskan Native	1	1%
	Multi-racial	2	1%
	Other	1	1%
Hispanic		26	16%
Unknown		1	1%

Figure 5. Heat-associated deaths in Clark County by location of heat injury and month, 2022



\*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 6. Heat-associated deaths in Clark County and Involvement of substances, 2022

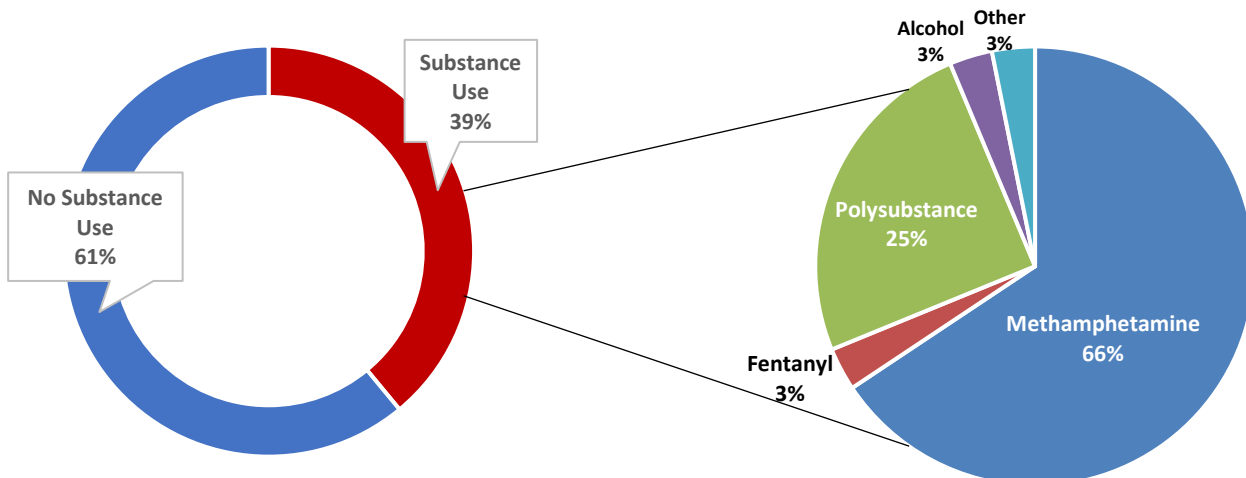


Figure 7. Clark County heat-associated deaths by month, 2022

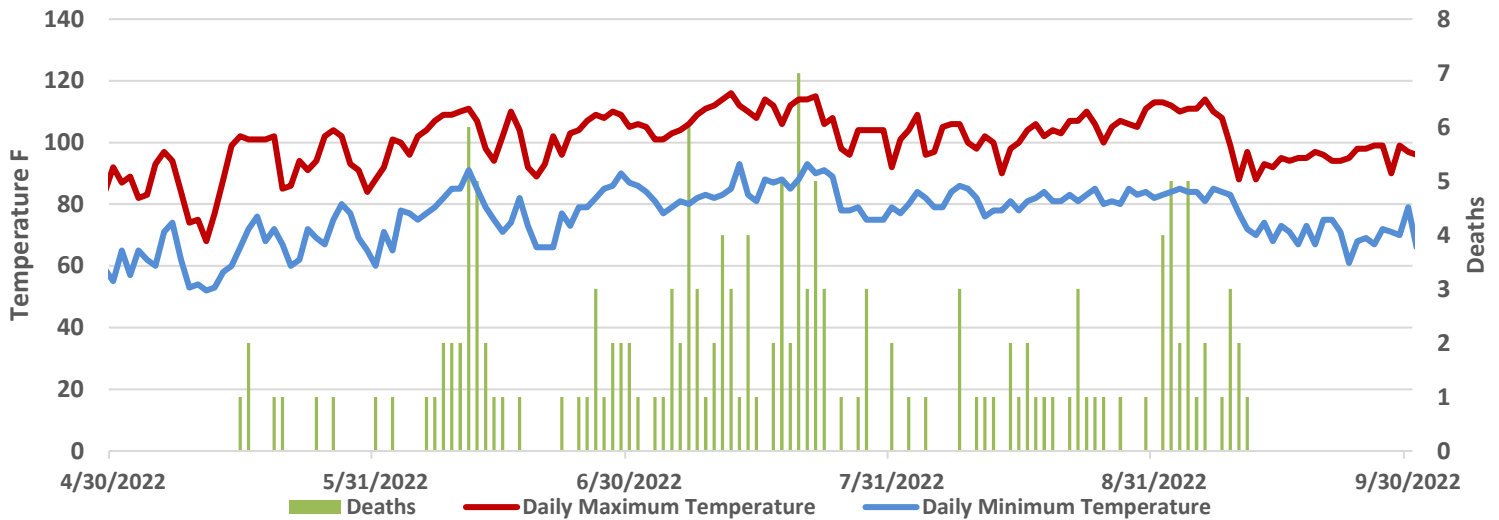
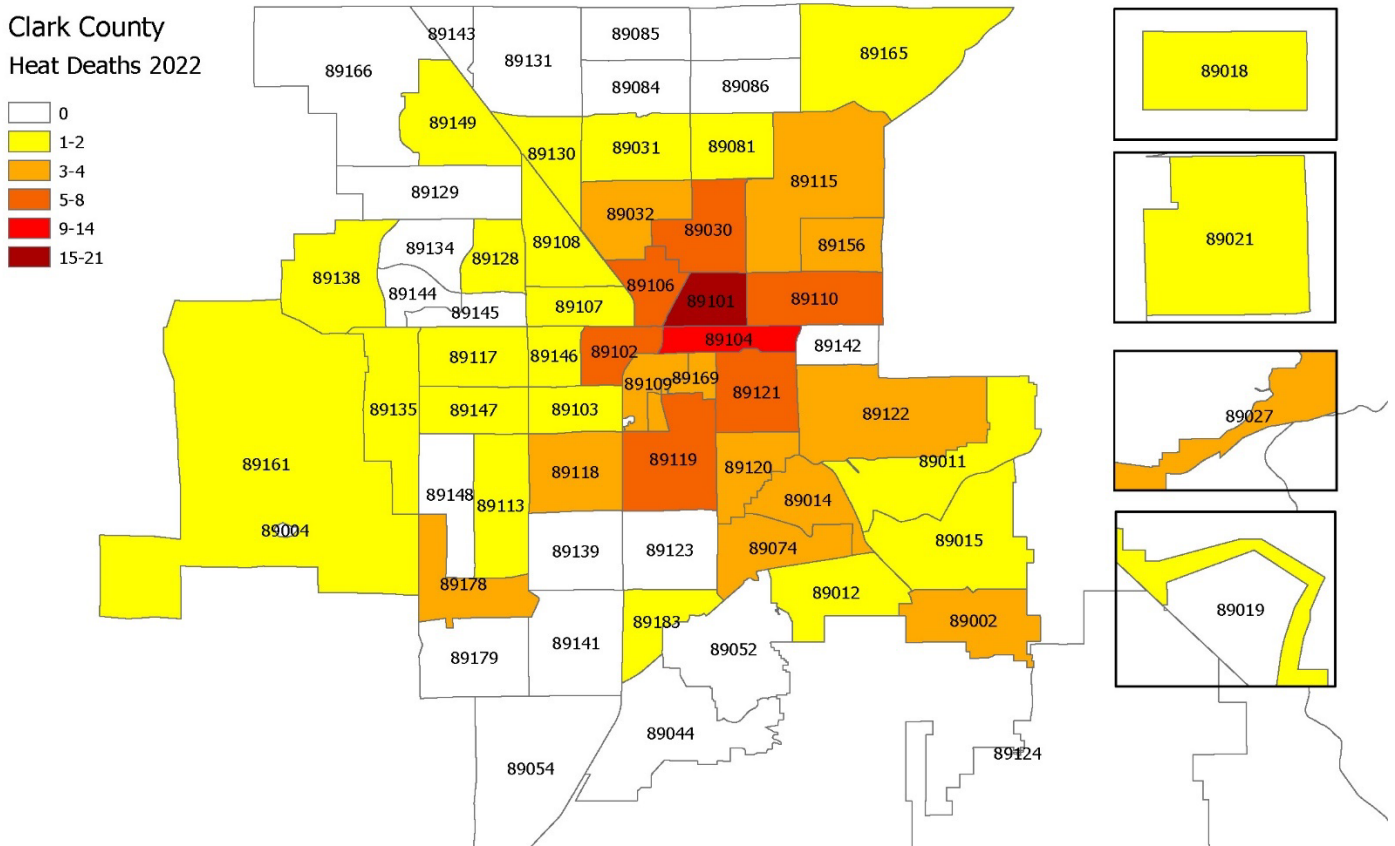


Figure 8. Location of injury for heat-associated deaths among zipcodes associated with Clark County, NV\*



\*14 cases did not have a known zipcode for the location of heat injury.

Data Source:

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

Centers for Disease Control and Prevention (CDC). About Extreme Heat. [https://www.cdc.gov/disasters/extremeheat/heat\\_guide.html](https://www.cdc.gov/disasters/extremeheat/heat_guide.html). July 26<sup>th</sup> 2023.

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

Drug/Substance Use: defined as those having an ICD-10 code associated with the named drug or substance.

Methamphetamine was identified using ICD-10 T43.6 and 'Methamphetamine' listed in Part I or Part II of the Cause of Death.

## HEAT-ASSOCIATED DEATHS & EMERGENCY DEPARTMENT VISITS 2022 REPORT [04/01/2022 – 10/31/2022]

Figure 9. Daily Count of Emergency Department Visits due to Heat-Related Illness

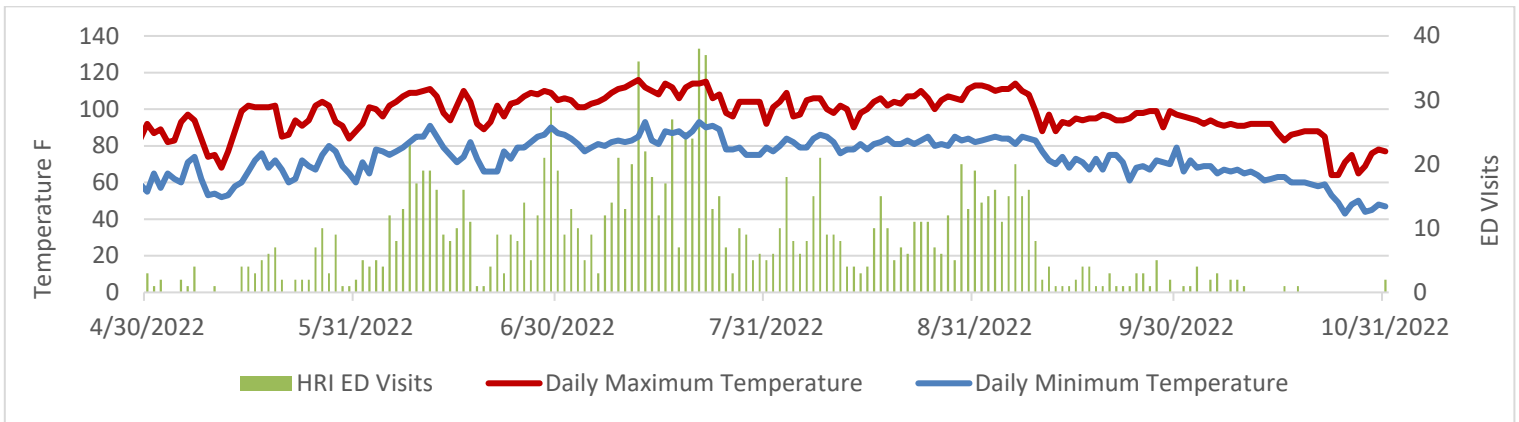


Figure 10. Heat-Related Illness ED Visits by Gender, 2022

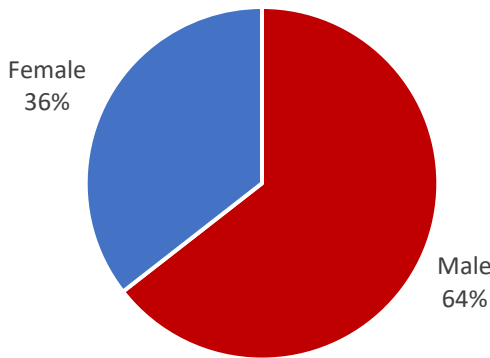
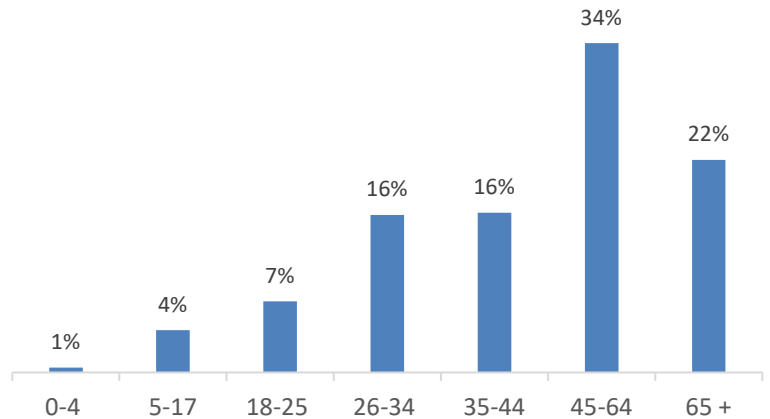


Figure 11. Heat-Related Illness ED Visits by Age Group, 2022



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.