



Heat-Related Illness Surveillance 2023 Summary

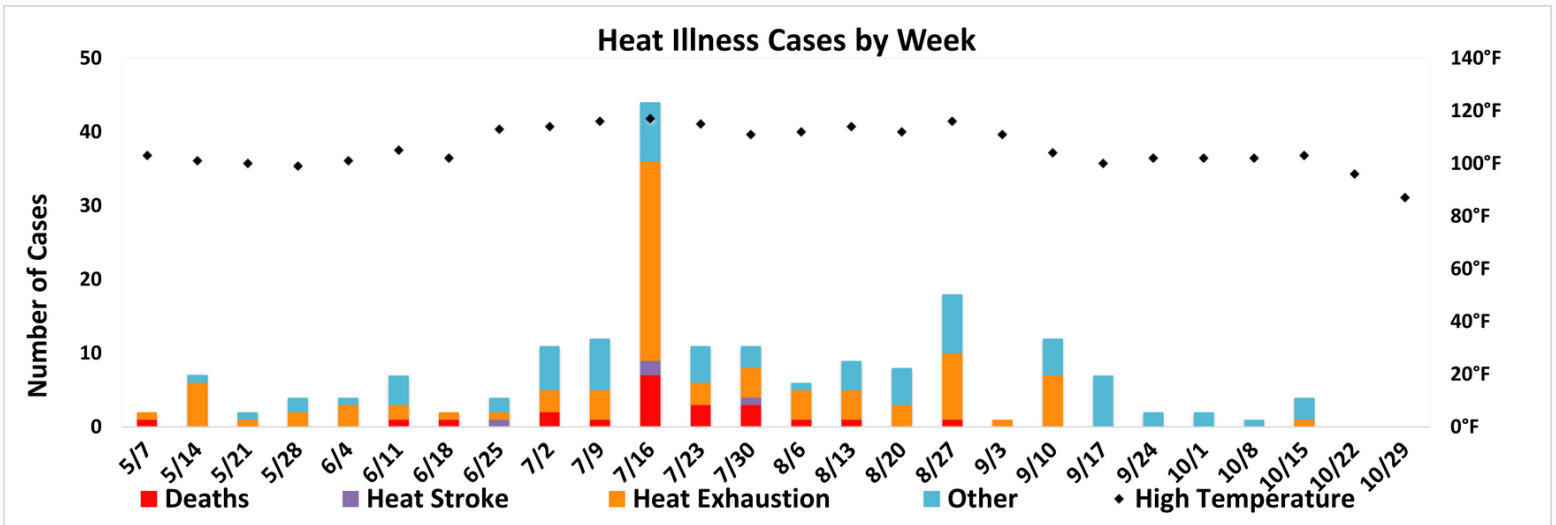
Surveillance: 5/1/2023-11/2/2023

Heat-Related Illness Surveillance

The Imperial County Public Health Department collects data in collaboration with El Centro Regional Medical Center (ECRMC), Pioneers Memorial Healthcare District (PMHD), and the Imperial County Coroner’s Office to monitor heat-related illnesses and deaths due to environmental heat exposure. Exposure to high temperatures can cause serious health problems including heat cramps, heat exhaustion, heat stroke, and death. Certain groups such as children, the elderly, and those with health conditions are at increased risk. More information is available at:

<https://www.cdc.gov/disasters/extremeheat/index.html>

The 2023 Heat-Related Illness Surveillance concludes with this final report summarizing data from May 1 to November 2, 2023. During this time, a total of 191 heat-related illnesses were reported by local partners, 22 of these resulted in deaths. The median age for heat-related illness is 47 with an age range of 3 - 89 years of age. All heat-related cases were seen at the emergency department, from those only 7.1% were admitted. A 40.2% decrease was observed in heat related illnesses reported compared to 2022 and a 31.3% decrease from 2021. During the surveillance period, six Excessive Heat Warnings were issued by the National Weather Service. The duration of the longest Excessive Heat warning was of 10 days, from July 13 to July 22, of 2023. The record high temperature during the surveillance period was of 117 °F on July 18, 2023.



For more information on heat-related illness surveillance, contact the Imperial County Public Health Department at (442)-265-7481.

To access the latest update or end of year reports from previous years, please visit our website:
<https://www.icphd.org/medical-provider-resources/reports>

Heat related Morbidity & Mortality	2023	2022	2021	2019	2018
Heat Stroke	4	18	17	21	25
Heat Exhaustion	87	166	140	98	191
Other illnesses (i.e. heat fatigue, dehydration)	78	99	89	132	150
*Deaths	22	27	23	5	25
Totals	191	310	269	256	391

Note: Heat Surveillance suspended in 2020; no data available

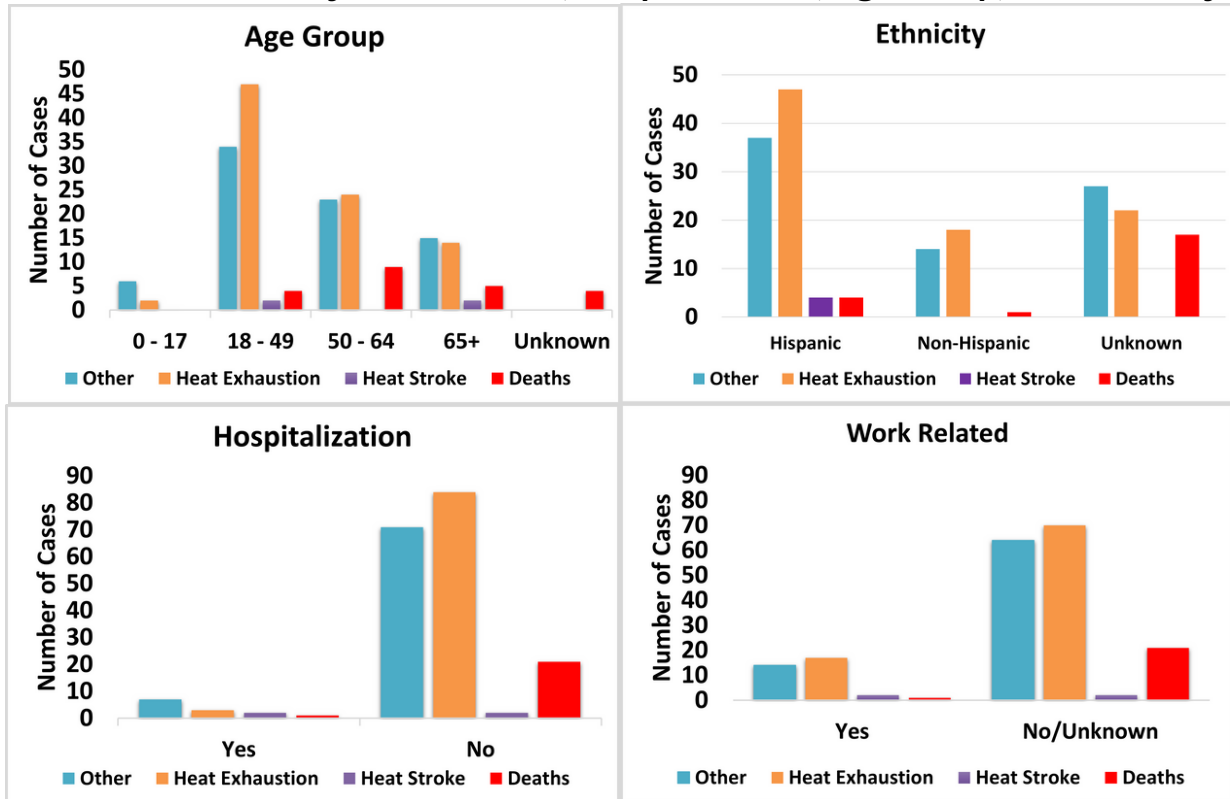
* Note: Data in this report are point-in-time counts during the seasonal surveillance periods and may not reflect the true number of heat-related illnesses and deaths that occurred throughout the year. Death counts include both confirmed and probable deaths pending confirmation by the County Coroner.



Heat-Related Illness Surveillance 2023 Summary

Surveillance: 5/1/2023-11/2/2023

Heat Illness cases by Work Related, Hospitalization, Age Group, and Ethnicity



Heat-Related Deaths

From May 1 through November 2, 2023, the Imperial County Coroner’s Office and local hospitals reported 22 deaths due to environmental heat exposure. This is a 35% and a 13% decrease from 2022, and 2021, respectively, when compared to 2023. Five of these have been confirmed as deaths due to environmental hyperthermia. Of the 22 cases, eighteen were male and four were female. Of the 22 reported deaths with age information available, the age range was from 23 - 84 years of age with a median age of 59. Among those reported, four of the death cases did not have A/C indoors. In addition, within work related deaths, one death was identified among agricultural workers.

