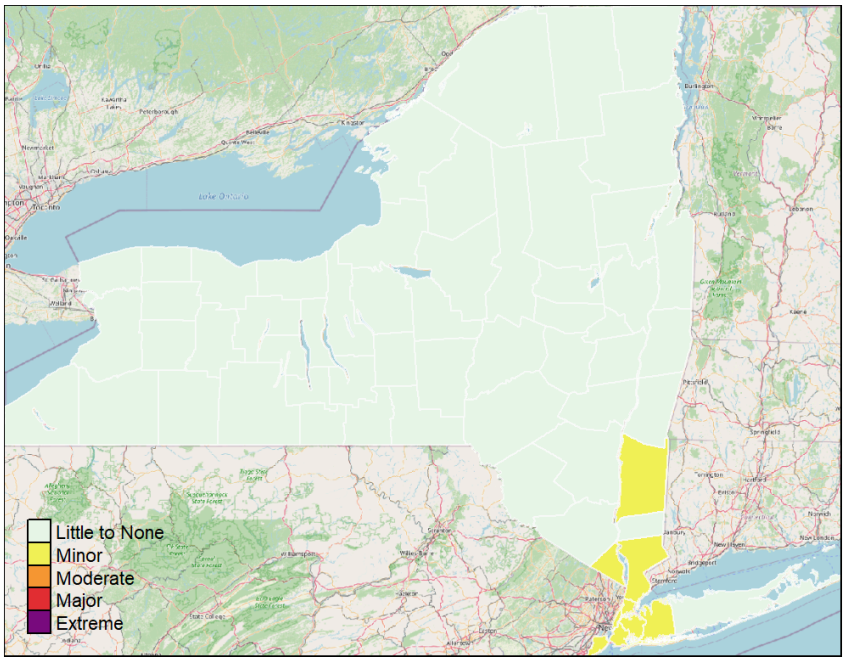
New York State excluding New York City
Heat-Related Illness Surveillance Report
08/05/2024 - 08/18/2024

Report Date : 08/19/2024

Category	Risk of Heat-Related Impacts
Green 0	Little to no risk from expected heat.
Yellow 1	Minor - This level of heat affects primarily those individuals extremely sensitive to heat, especially when outdoors without effective cooling and/or adequate hydration.
Orange 2	Moderate - This level of heat affects most individuals sensitive to heat, especially those without effective cooling and/or adequate hydration. Impacts possible in some health systems and in heat-sensitive industries.
Red 3	Major - This level of heats affects anyone without effective cooling and/or adequate hydration. Impacts likely in some health systems, heat-sensitive industries and infrastructure.
Magenta 4	Extreme - This level of rare and/or long-duration extreme heat with little to no overnight relief affects anyone without effective cooling and/or adequate hydration. Impacts likely in most health systems, heat-sensitive industries and infrastructure.

Figure 1. New York State Heat Risk Forecast for 08/20



Note: Visit NWS HeatRisk (https://www.wpc.ncep.noaa.gov/heatrisk/) for the most recent forecast.

Figure 2. Daily Peak Heat Index Within the Past 14 Days

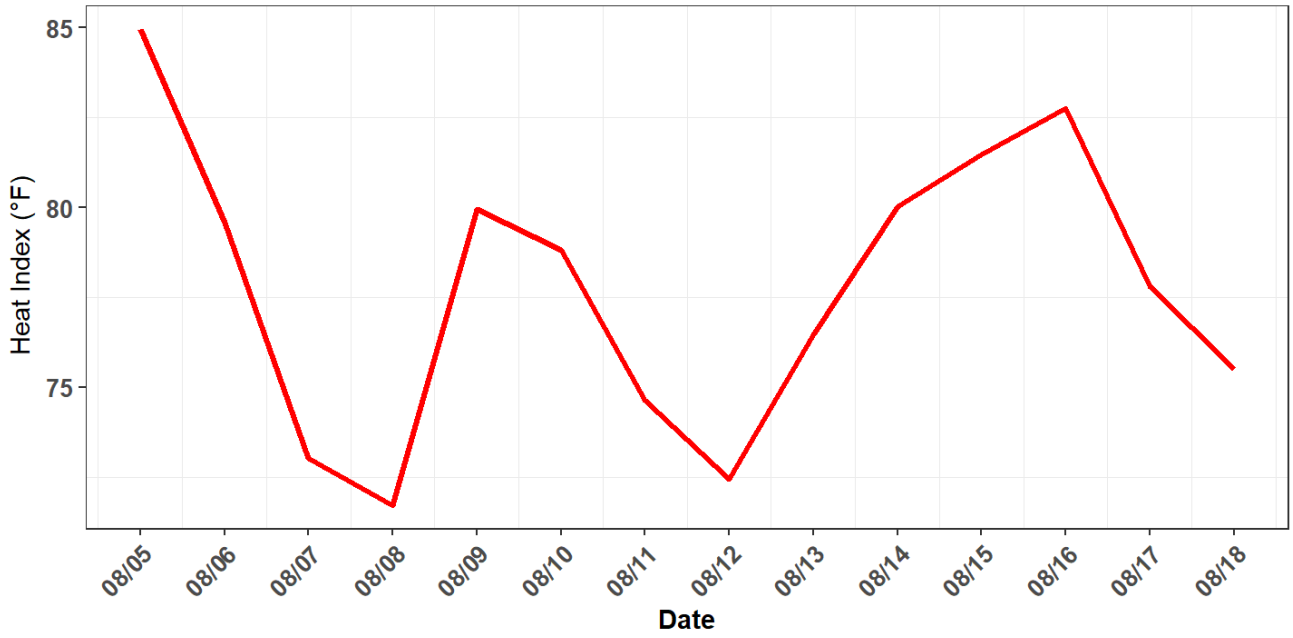
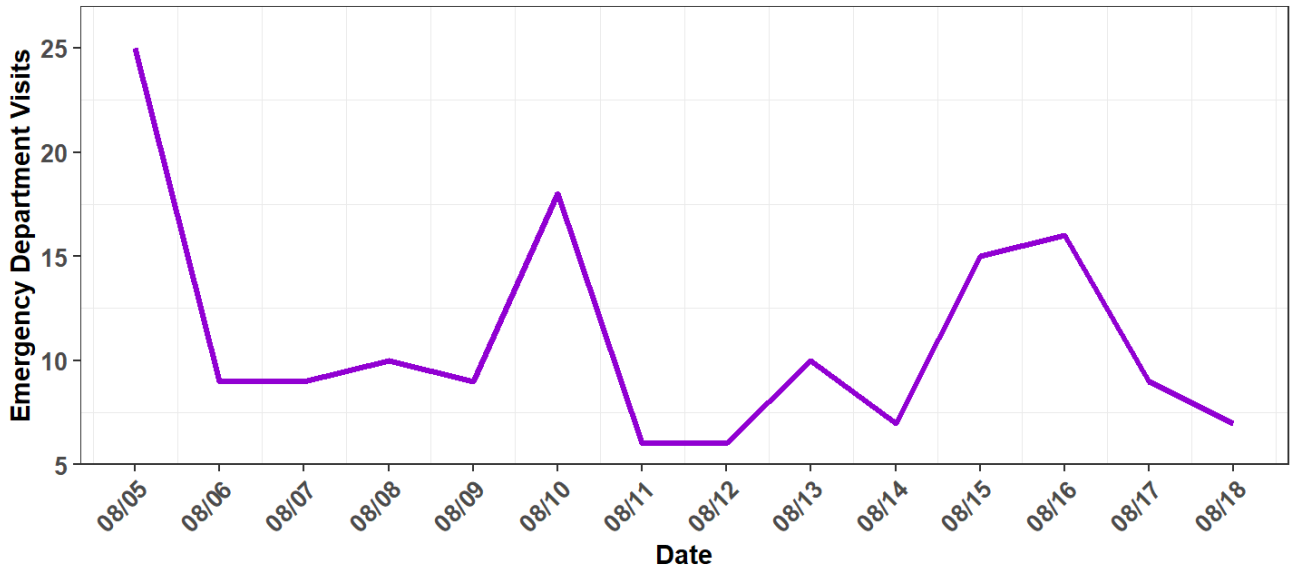


Table 1. Time Trends and Historical Comparisons for Electronic Syndromic Surveillance System Heat-Related Emergency Department Visits and New York State Mesonet Heat Index

Indicator	Count[1]	Change
Previous Day Heat-Related Emergency Department Visits		
08/18/2024	7	-53%
Historical for Month of August[2]	15	
Previous 14 Days Heat-Related Emergency Department Visits		
08/05/2024 ~ 08/18/2024	156	-32%
Historical for previous 14 days[3]	228	
Cumulative for Heat Season (May ~ September)		
Heat-Related Emergency Department Visits May 1 ~ August 18	2694	+23%
Historical Baseline Heat-Related Emergency Department Visits for May 1 ~ August 18[4]	2186	
Percent of County-Days with Heat Index of 85 or Greater (May 1 ~ August 18)[5]	17.3%	+19%
Historical Baseline Percent of County-Days with Heat Index of 85 or Greater (May 1 ~ August 18)[6]	14.5%	

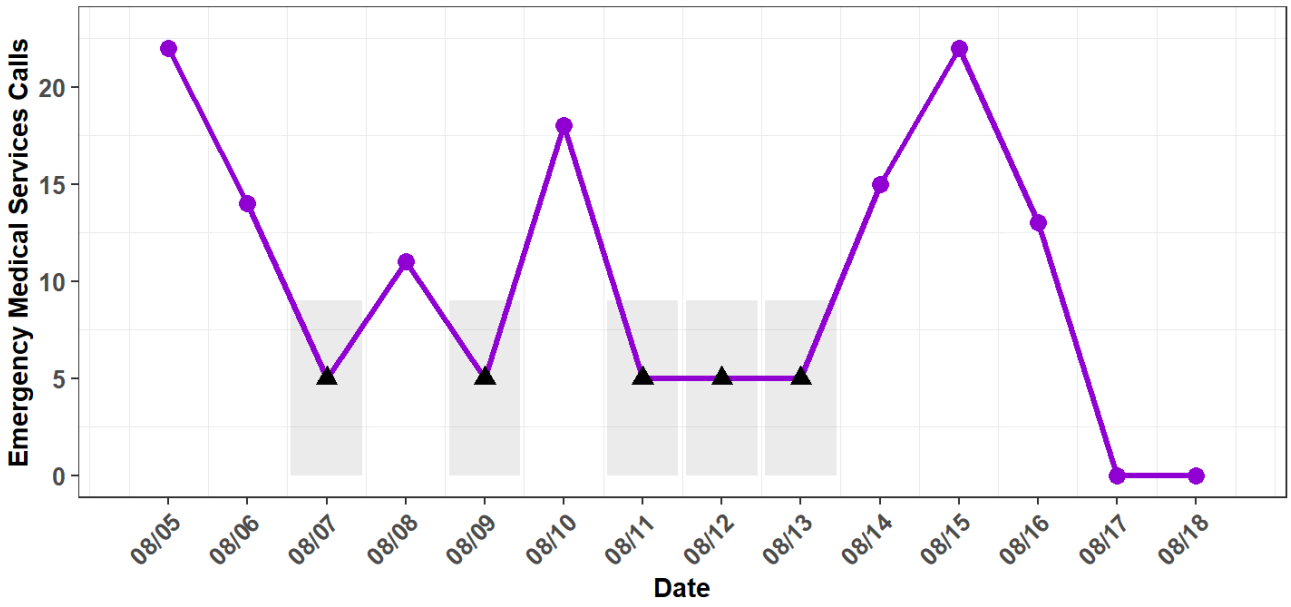
[1] Values are shown as counts, unless otherwise indicated.
[2] Average visits per day August for the years 2019-2023, excluding 2020.
[3] Average visits for 08/05 ~ 08/18 for the years 2019-2023, excluding 2020.
[4] Average cumulative visits from May 1 ~ August 18 for the years 2019-2023, excluding 2020.
[5] County-days: each county contributes one county-day on any day in the summer. Since there are 57 counties in NYS excluding NYC, on each day there are 57 county-days.
[6] Proportion of all county-days with heat index of 85 or greater from May 1 ~ August 18 for the years 2018-2023.

Figure 3. Electronic Syndromic Surveillance System Heat-Related Emergency Department Visits Within the Past 14 Days



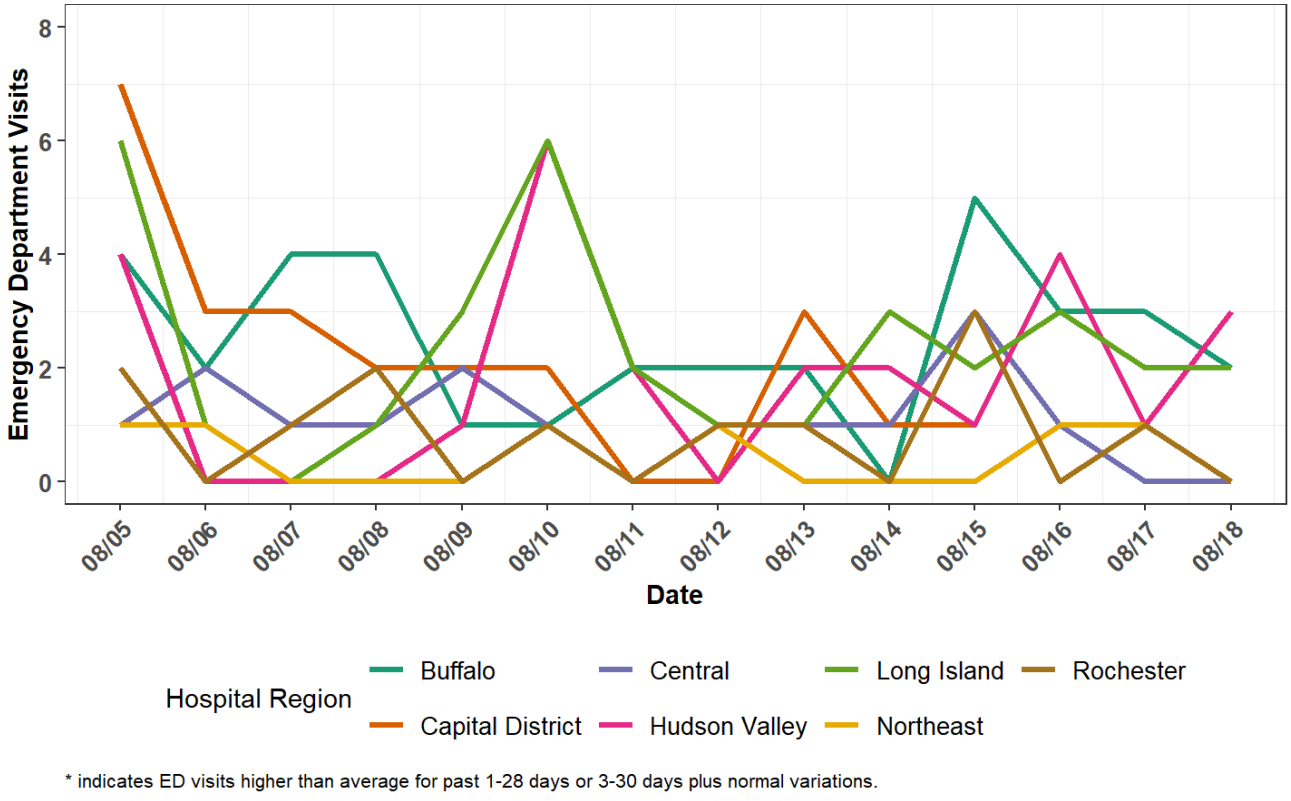
* indicates ED visits higher than average for past 1-28 days or 3-30 days plus normal variations.

Figure 4. Emergency Medical Services Heat-Related Calls Within the Past 14 Days



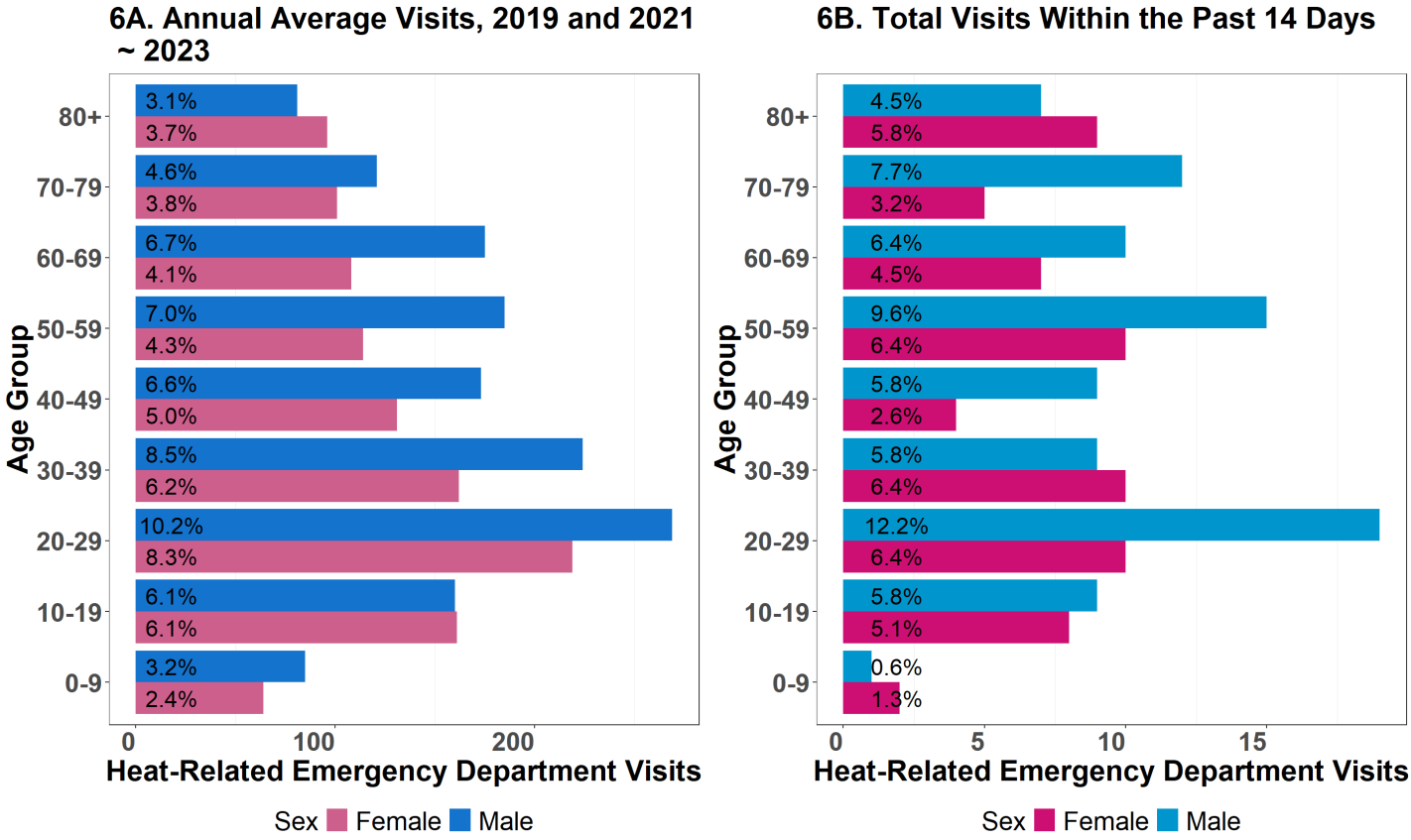
▲ values between 1 to 9 are suppressed.

Figure 5. Electronic Syndromic Surveillance System Heat-Related Emergency Department Visits Within the Past 14 Days by Hospital Region



* indicates ED visits higher than average for past 1-28 days or 3-30 days plus normal variations.

Figure 6. Electronic Syndromic Surveillance System Heat-Related Emergency Department Visits Distribution by Sex and Age Group



Note:

Hospital regions in New York State's Electronic Syndromic Surveillance System are grouped by county. Emergency department visits were assigned to region based on hospital location.

Data source:

- Heat risk forecast is retrieved from National Environmental Public Health Tracking Network (https://ephtracking.cdc.gov/DataExplorer/).
- Daily peak heat index and historical heat index are provided by State Weather Risk Communication Center and NYS Mesonet (https://www.nysmesonet.org/).
- Heat-related emergency department visits are from the New York State Department of Health's Electronic Syndromic Surveillance System and emergency medical service responses are taken from Biospatial.

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