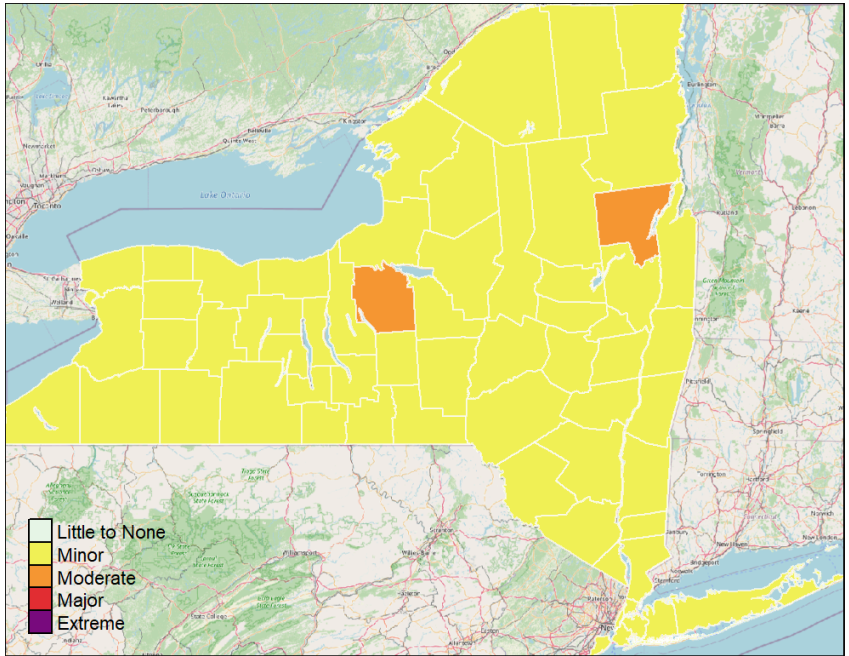


# New York State excluding New York City Heat-Related Illness Surveillance Report 07/08/2024 - 07/21/2024

Report Date : 07/22/2024

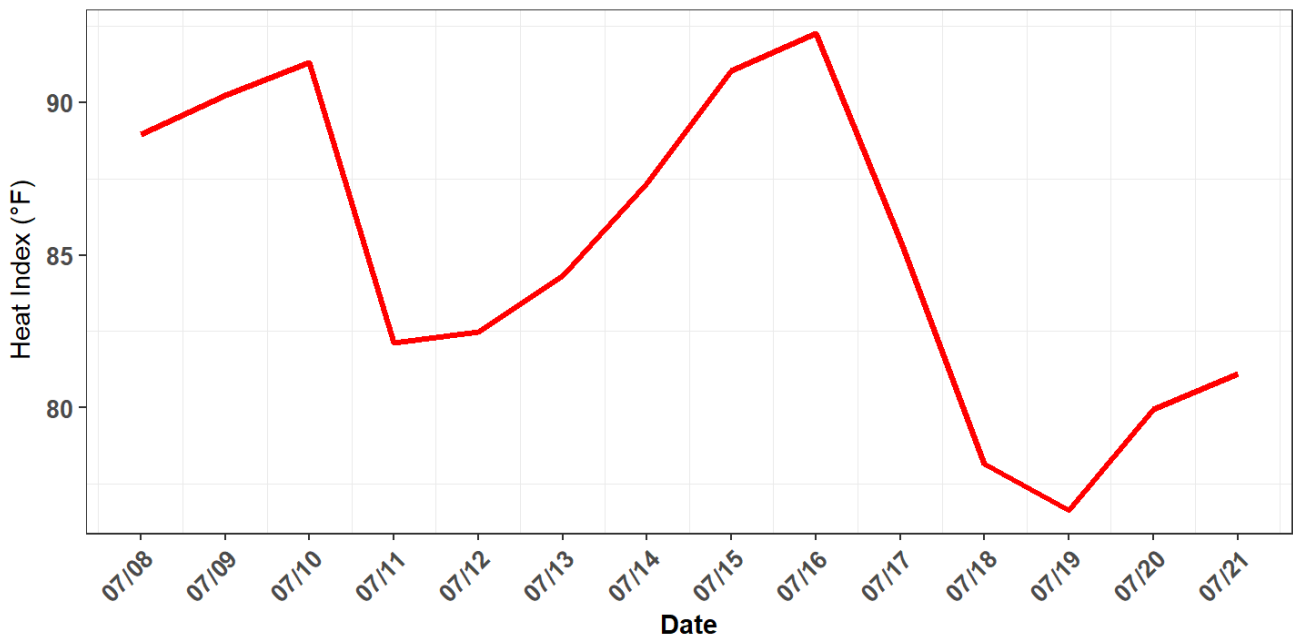
**Figure 1. New York State Heat Risk Forecast for 07/23**

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 heat 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.



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**

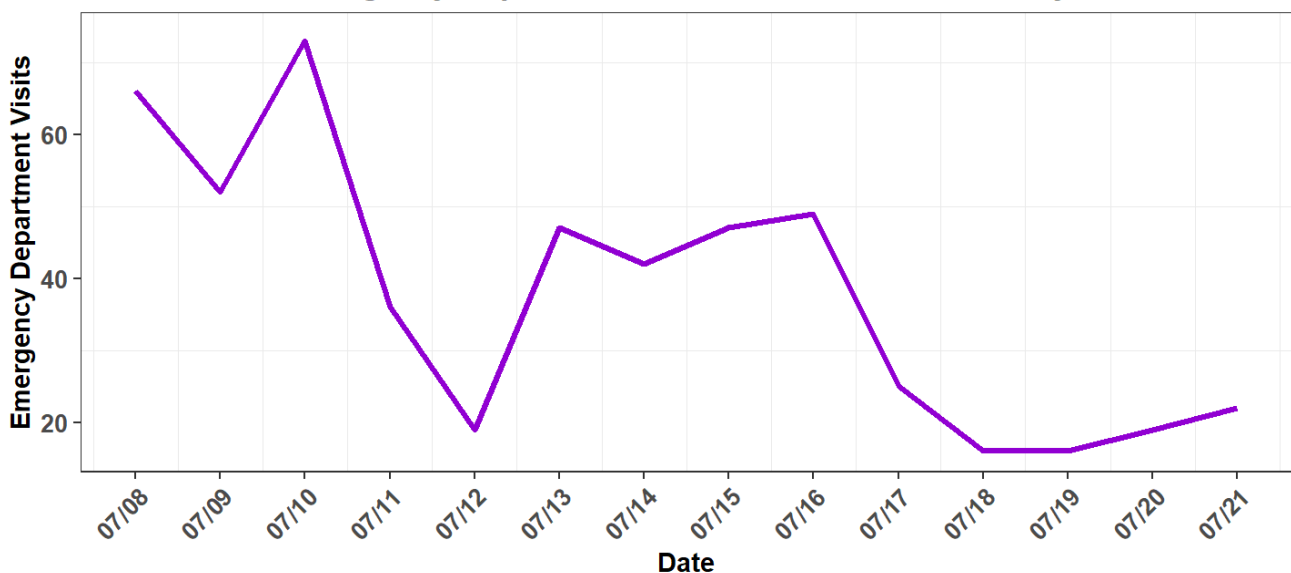


**Table 1. Time Trends and Historical Comparisons for Electronic Syndromic Surveillance System Heat-Related Emergency Department Visits and New York State Mesonet Heat Index**

Indicator	Count <sup>1</sup>	Change
<b>Previous Day Heat-Related Emergency Department Visits</b>		
07/21/2024	22	-24%
Historical for Month of July <sup>2</sup>	29	
<b>Previous 14 Days Heat-Related Emergency Department Visits</b>		
07/08/2024 ~ 07/21/2024	529	+19%
Historical for previous 14 days <sup>3</sup>	445	
<b>Cumulative for Heat Season (May ~ September)</b>		
Heat-Related Emergency Department Visits May 1 ~ July 21	2209	+33%
Historical Baseline Heat-Related Emergency Department Visits for May 1 ~ July 21 <sup>4</sup>	1662	
Percent of County-Days with Heat Index of 85 or Greater (May 1 ~ July 21) <sup>5</sup>	17.8%	+41%
Historical Baseline Percent of County-Days with Heat Index of 85 or Greater (May 1 ~ July 21) <sup>6</sup>	12.6%	

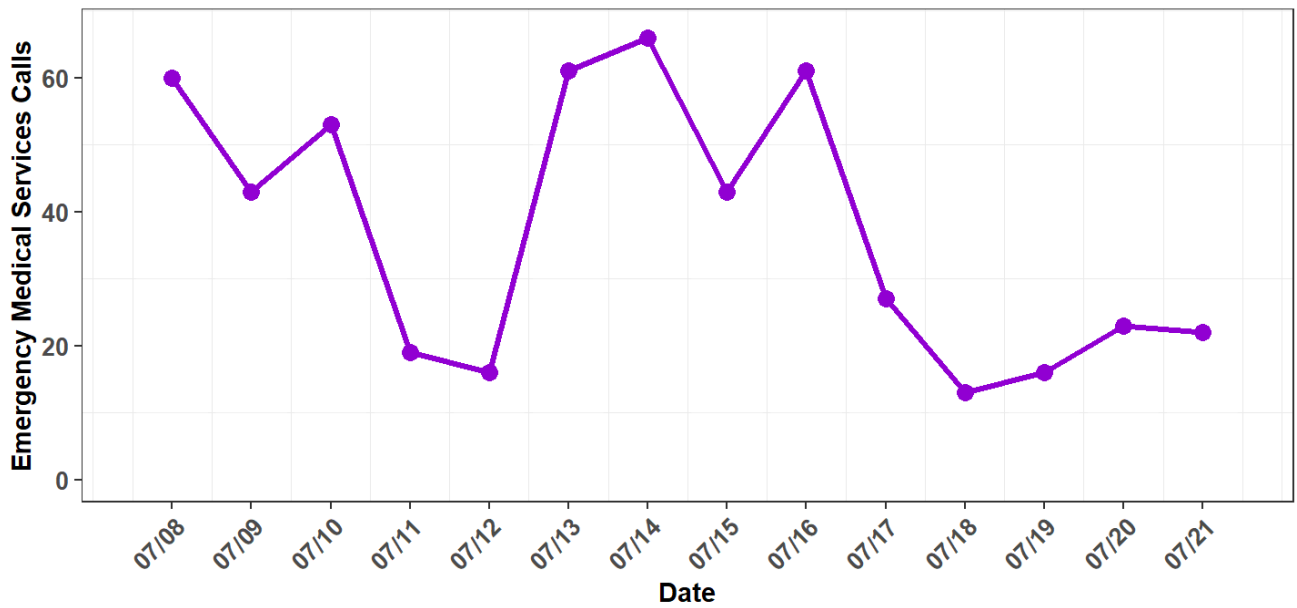
<sup>1</sup> Values are shown as counts, unless otherwise indicated.  
<sup>2</sup> Average visits per day July for the years 2019-2023, excluding 2020.  
<sup>3</sup> Average visits for 07/08 ~ 07/21 for the years 2019-2023, excluding 2020.  
<sup>4</sup> Average cumulative visits from May 1 ~ July 21 for the years 2019-2023, excluding 2020.  
<sup>5</sup> 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.  
<sup>6</sup> Proportion of all county-days with heat index of 85 or greater from May 1 ~ July 21 for the years 2018-2023.

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



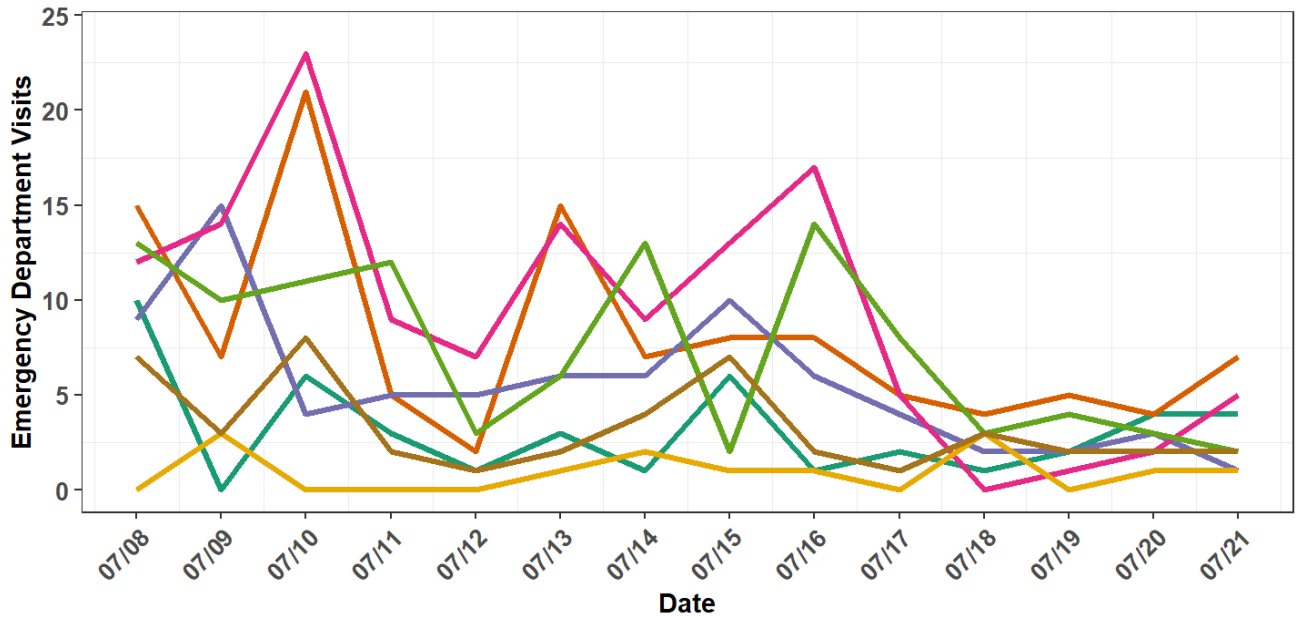
\* indicates ED visits higher than average for past 1-28 days or 3-30 days plus normal variations.

**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**

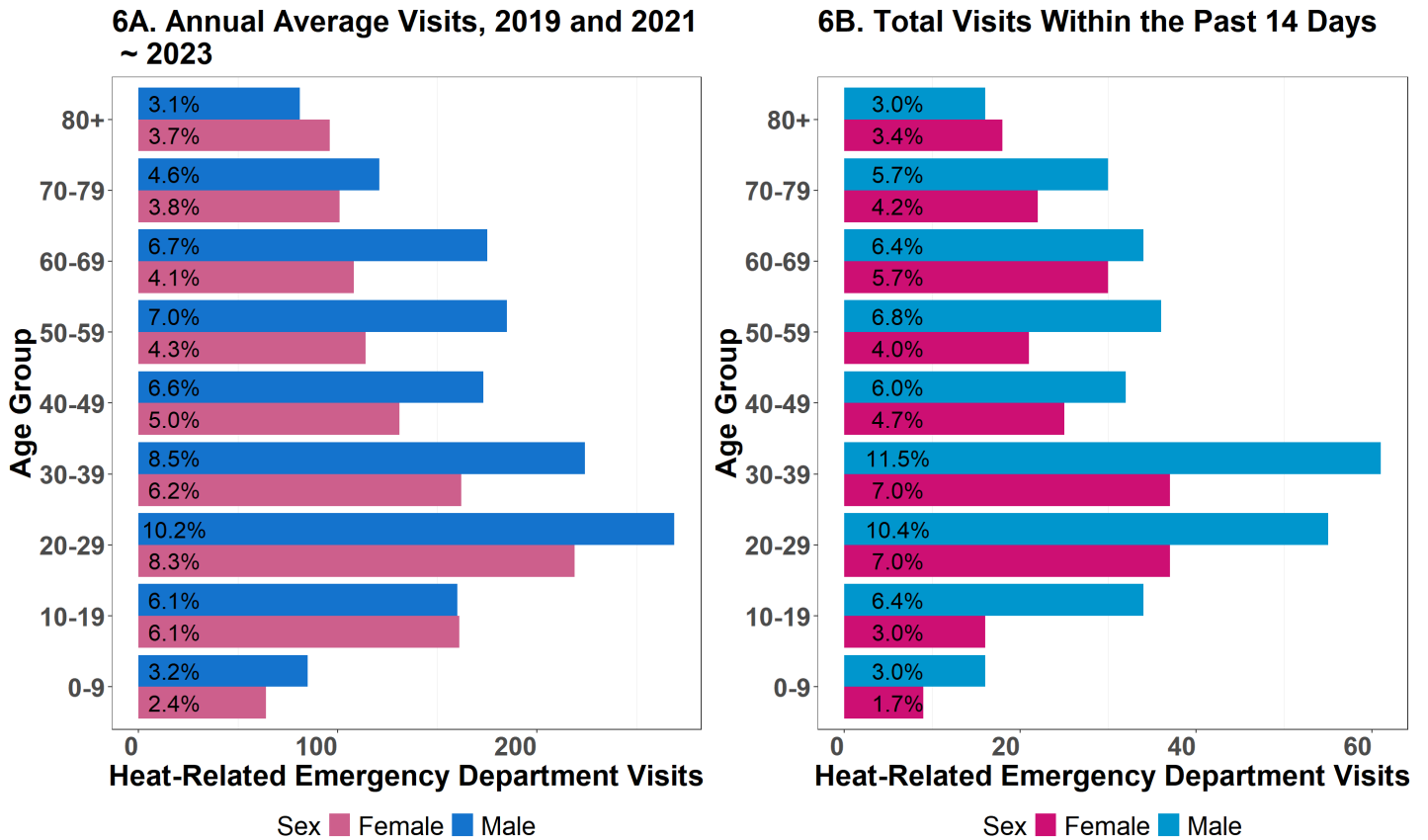


Hospital Region

- Buffalo
- Central
- Long Island
- Rochester
- Capital District
- Hudson Valley
- Northeast

\* 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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