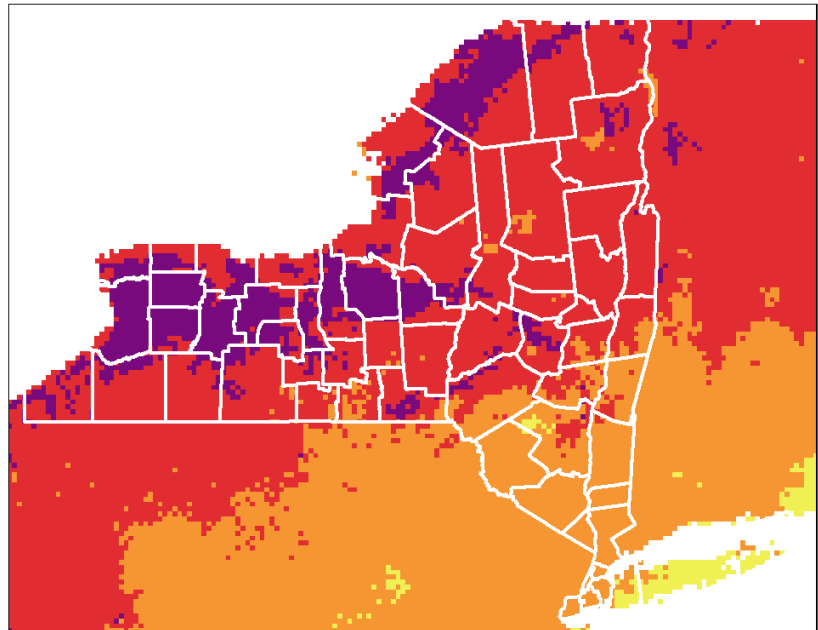


New York State excluding New York City Heat-Related Illness Surveillance Report 06/04/2024 - 06/17/2024

Report Date : 06/18/2024

Figure 1. New York State Heat Risk Forecast for 06/19

| 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 1 | 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

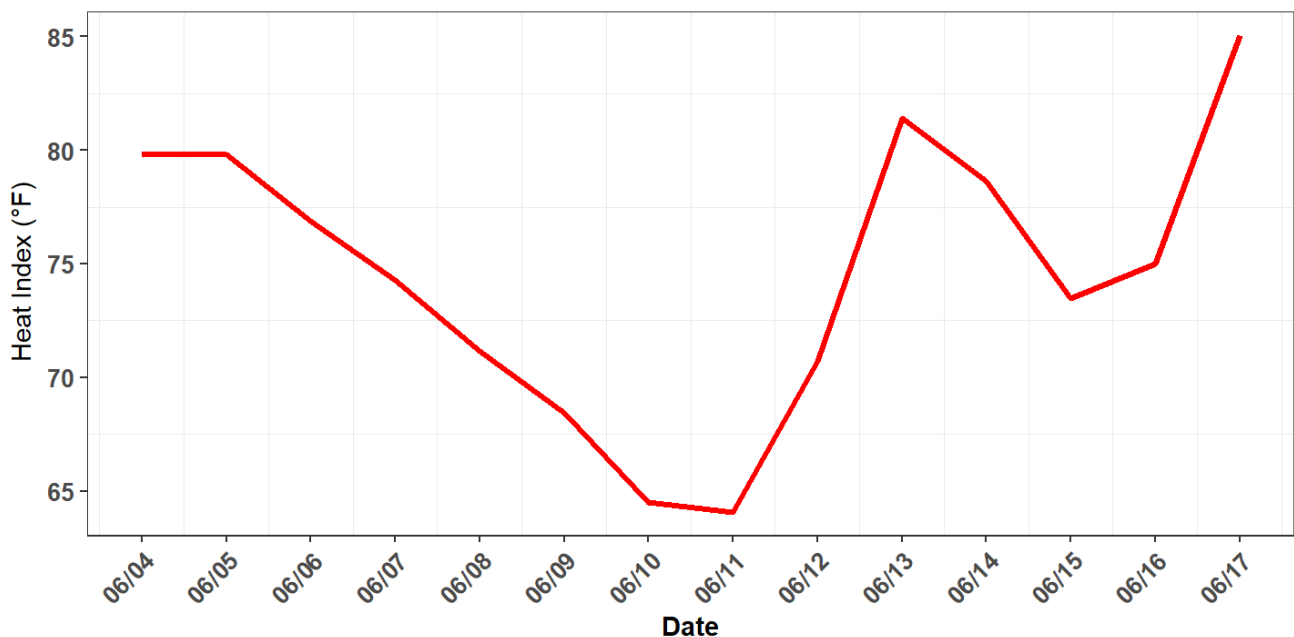
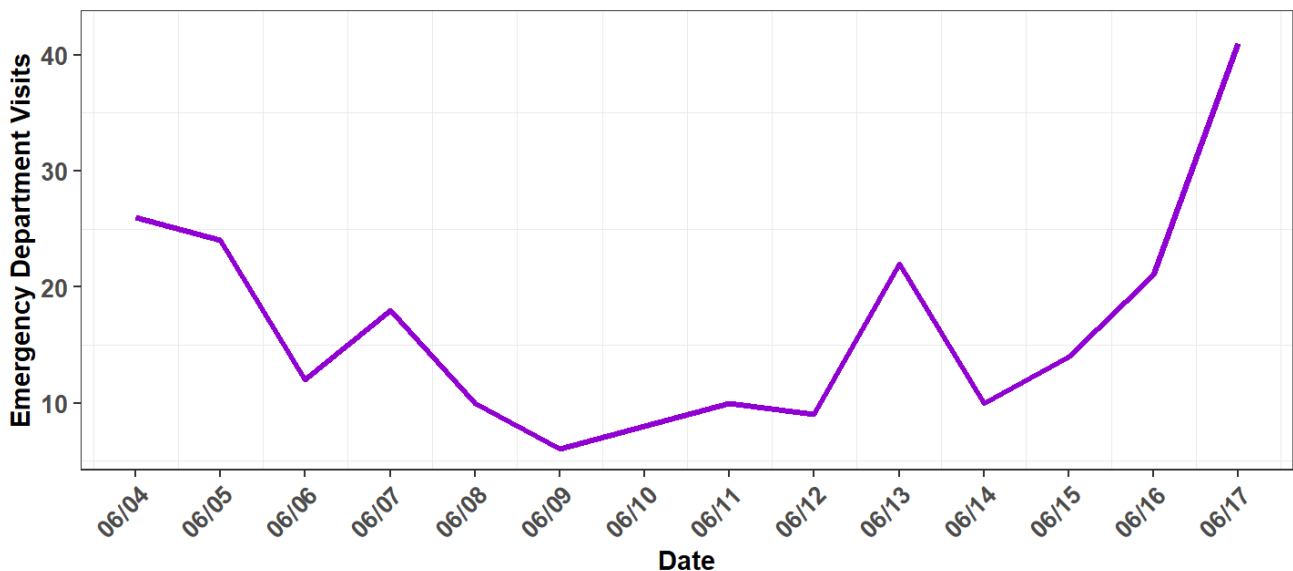


Table 1. Time Trends and Historical Comparisons for Electronic Syndromic Surveillance System Heat-Related Emergency Department Visits and New York State Mesonet Heat Index

| Indicator | Count ¹ | Change |
|--|--------------------|--------|
| Previous Day Heat-Related Emergency Department Visits | | |
| 06/17/2024 | 41 | +215% |
| Historical for Month of June ² | 13 | |
| Previous 14 Days Heat-Related Emergency Department Visits | | |
| 06/04/2024 ~ 06/17/2024 | 231 | +56% |
| Historical for previous 14 days ³ | 148 | |
| Cumulative for Heat Season (May ~ September) | | |
| Heat-Related Emergency Department Visits May 1 ~ June 17 | 694 | +72% |
| Historical Baseline Heat-Related Emergency Department Visits for May 1 ~ June 17 ⁴ | 403 | |
| Percent of County-Days with Heat Index of 85 or Greater (May 1 ~ June 17) ⁵ | 3.7% | -8% |
| Historical Baseline Percent of County-Days with Heat Index of 85 or Greater (May 1 ~ June 17) ⁶ | 4.0% | |

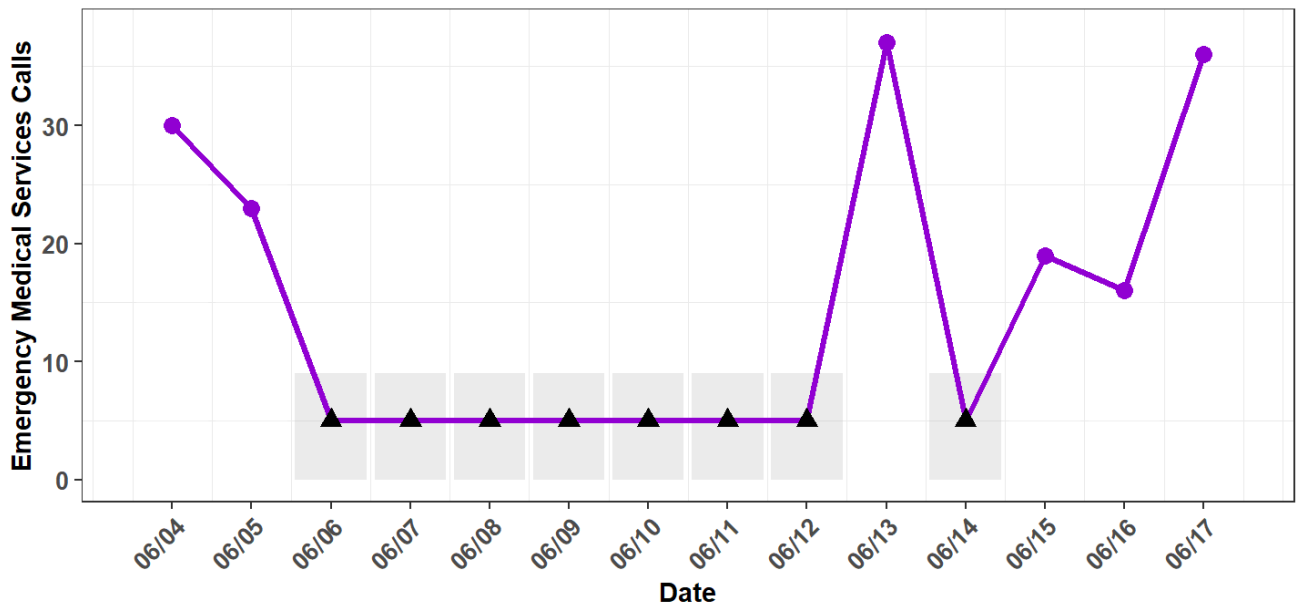
¹ Values are shown as counts, unless otherwise indicated.
² Average visits per day June for the years 2019-2023, excluding 2020.
³ Average visits for 06/04 ~ 06/17 for the years 2019-2023, excluding 2020.
⁴ Average cumulative visits from May 1 ~ June 17 for the years 2019-2023, excluding 2020.
⁵ County-days: 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 ~ June 17 for the years 2018-2023.

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



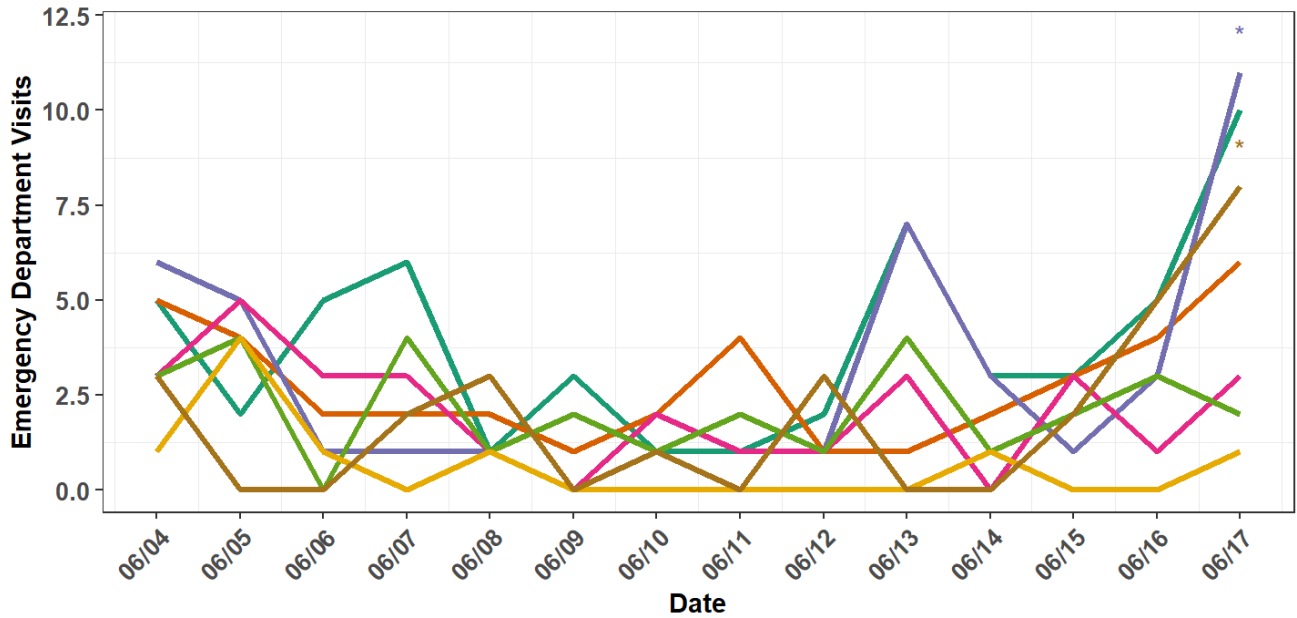
* indicates ED visits higher than average for past 1-28 days or 3-30 days plus normal variations.

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

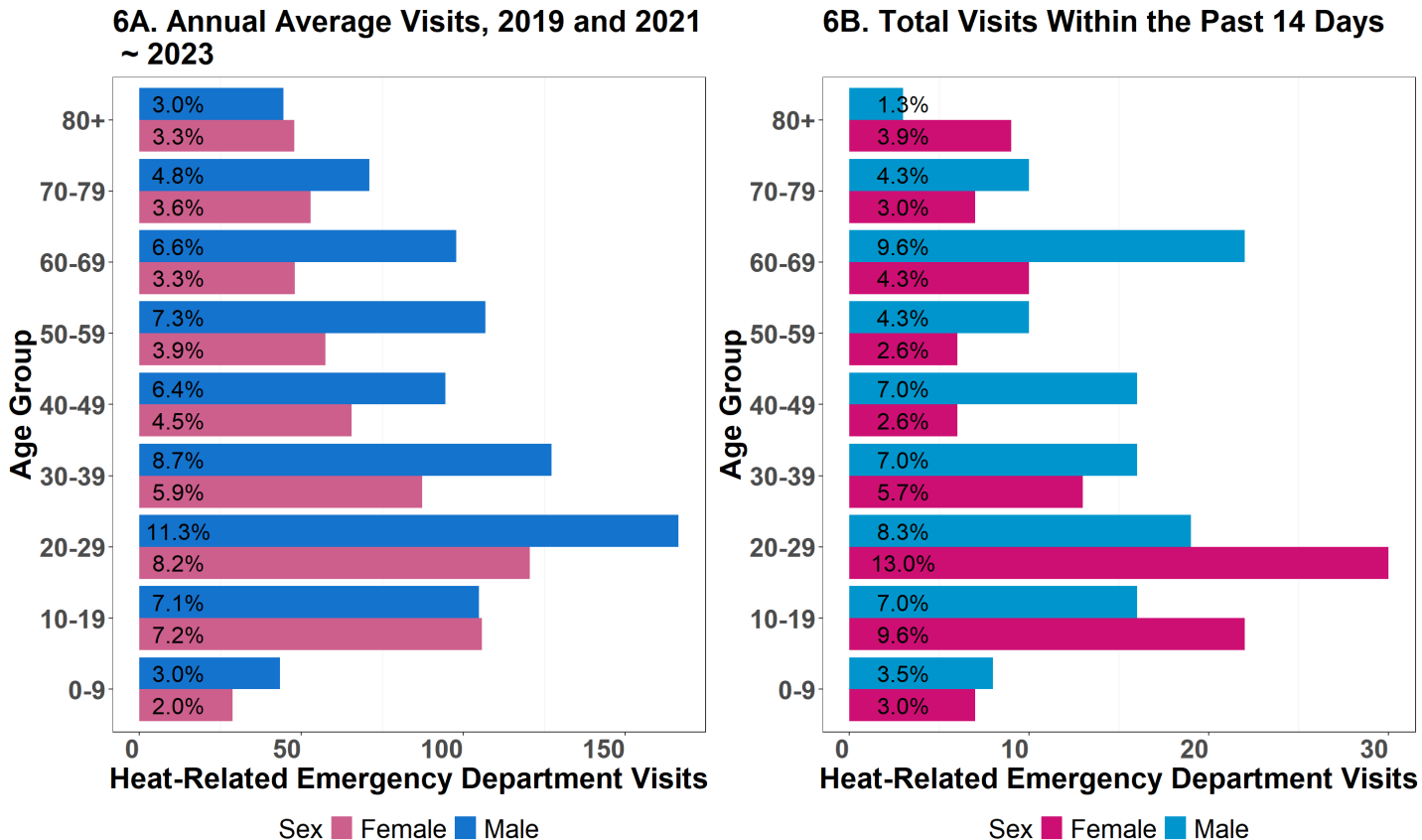


Hospital Region

- 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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