



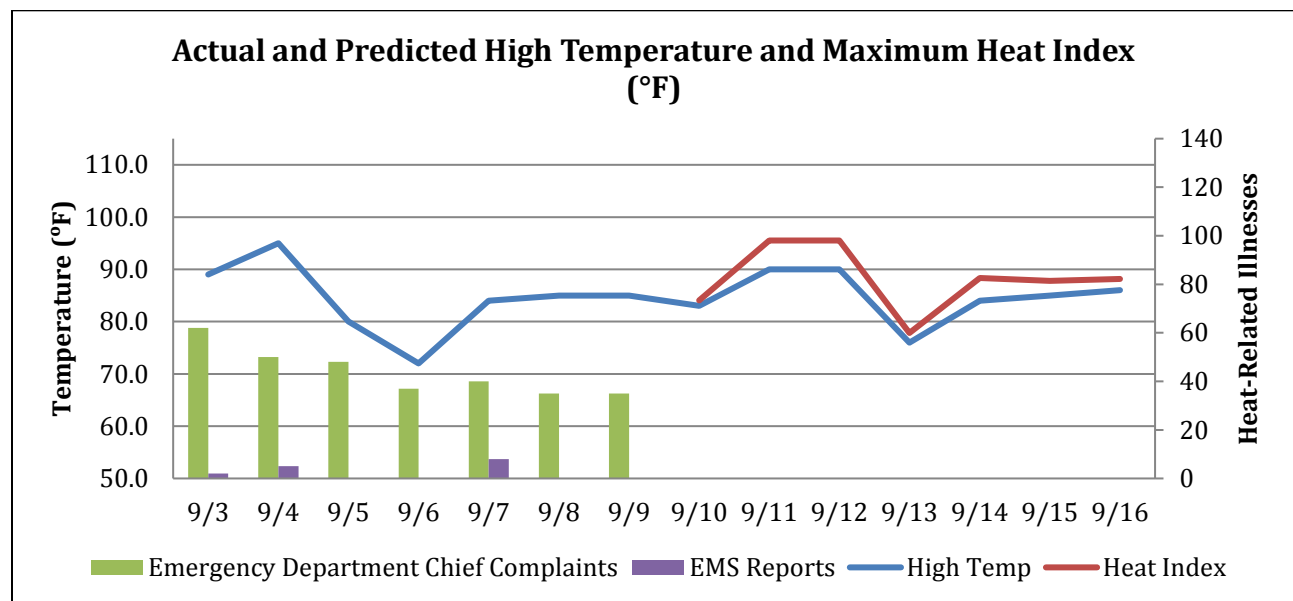
MARYLAND  
Department of Health

# Weekly Heat-related Illness Surveillance Report

September 11, 2019

Reporting for September 3, 2019 to September 9, 2019

National Weather Service Forecast: No current advisories  
Heat Advisories Declared During the Previous Week: 0  
Total Heat Advisories Declared This Year: 6

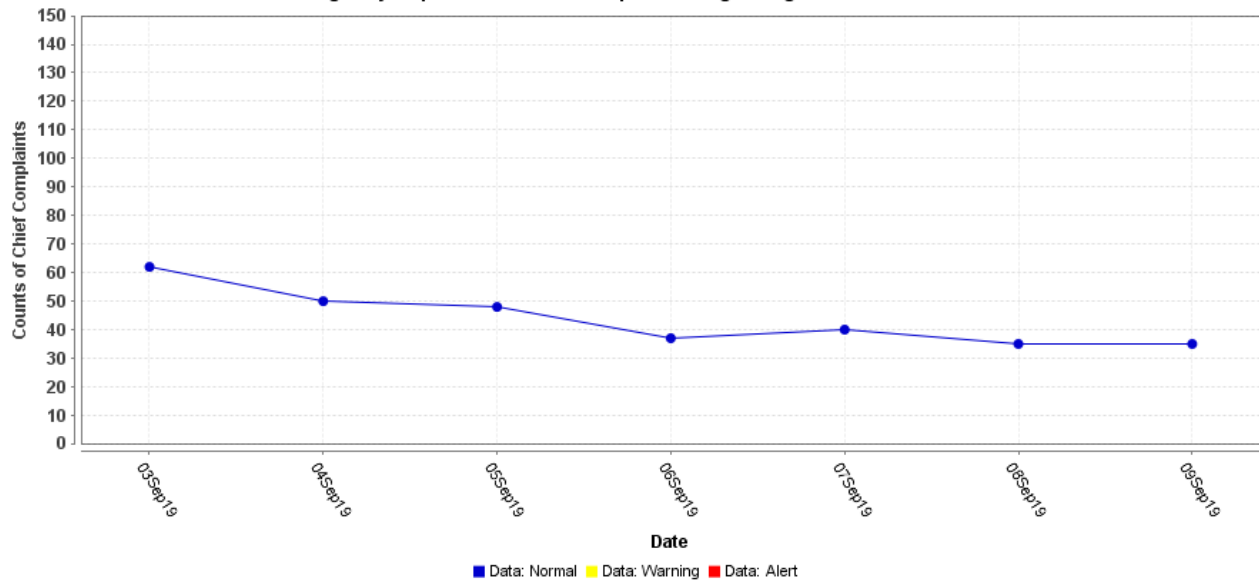


Heat Indexes are only calculated for temperatures above 80°F with humidity of 43% or greater

*Note on Emergency Department Data:* The results from the query used in ESSENCE, an electronic biosurveillance system, to track heat-related illnesses may be an overestimation of the actual burden of illness related to the hot weather. This overestimation is due to the nature of the query, which includes the term dehydration, a condition that may be caused by factors other than heat.

*Note on EMS Data:* These data are based on EMS pre-hospital care reports where the EMS provider has selected "Heat Exhaustion/Heat Stroke" and/or "Hyperthermia" as a primary or secondary impression a patient's illness. This impression is solely based on the signs and symptoms seen by the provider, not on any diagnostic tests. Since these numbers do not include all primary or secondary impressions that may be seen with heat exposure the actual numbers may be low. These data are reported for trending purposes only.

**Emergency Department Chief Complaints Regarding Heat-related Illness**

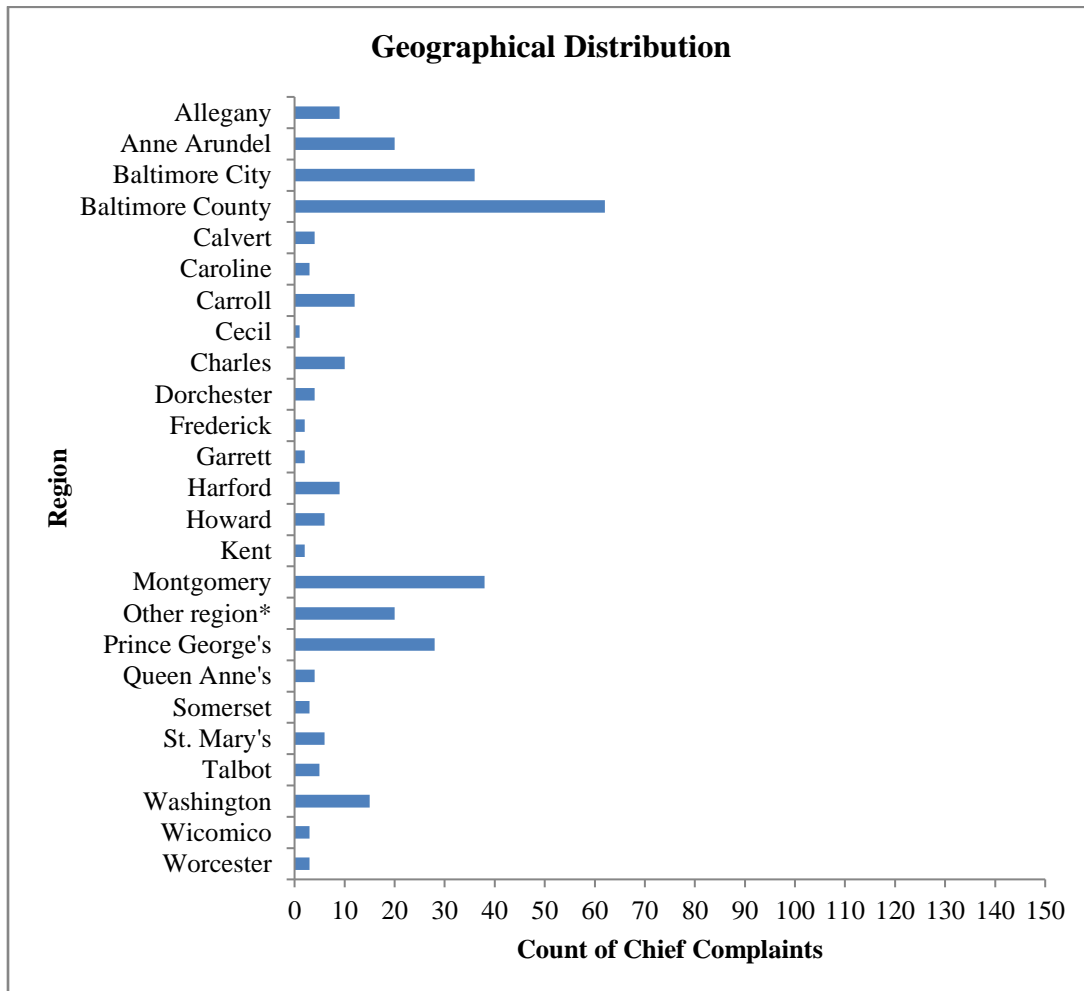


| Date        | Number of Chief Complaints Regarding Heat-related Illnesses<br>State of Maryland |
|-------------|--|
| September 3 | 62   |
| September 4 | 50   |
| September 5 | 48   |
| September 6 | 37   |
| September 7 | 40   |
| September 8 | 35   |
| September 9 | 35   |

*\*Note: ESSENCE chief complaint query for heat-related illness contains the following terms: hyperthermia, heat, dehydration and sunburn*

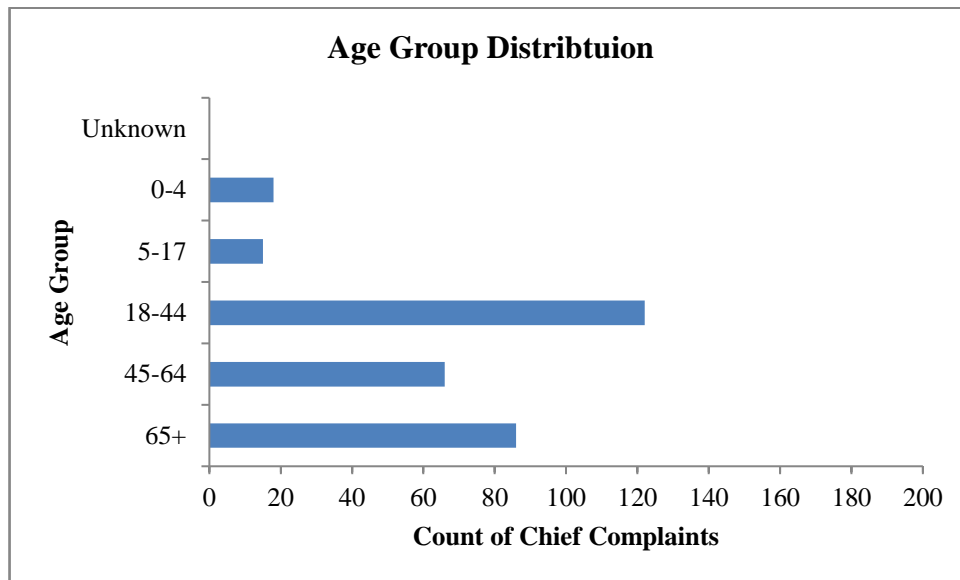
There were no chief complaint clusters identified during the week.

## Geographical Distribution of Emergency Department Chief Complaints Regarding Heat-related Illnesses for September 3, 2019 through September 9, 2019



*\*Geographical distribution of emergency department chief complaints is based on patients' jurisdictions of residence. The "Other Region" category includes patient records without a ZIP code and patients who reside outside of Maryland.*

## Age Group Distribution of Emergency Department Chief Complaints Regarding Heat-related Illnesses for September 3, 2019 through September 9, 2019



*Report continued on next page...*

| Total Number of Heat-related Deaths | Jurisdiction*    | Age Group       | Gender |
|-------------------------------------|------------------|-----------------|--------|
| 20                                  | Anne Arundel     | 18-44 Years Old | Male   |
|                                     | Montgomery       | 18-44 Years Old | Female |
|                                     | Prince George's  | 18-44 Years Old | Male   |
|                                     | Wicomico         | 45-64 Years Old | Male   |
|                                     | Cecil            | 45-64 Years Old | Female |
|                                     | Prince George's  | 45-64 Years Old | Male   |
|                                     | Prince George's  | 45-64 Years Old | Male   |
|                                     | Worcester        | 45-64 Years Old | Female |
|                                     | Baltimore City   | 45-64 Years Old | Male   |
|                                     | Anne Arundel     | 65+ Years Old   | Male   |
|                                     | Harford          | 65+ Years Old   | Male   |
|                                     | Anne Arundel     | 65+ Years Old   | Male   |
|                                     | Baltimore City   | 65+ Years Old   | Male   |
|                                     | Talbot           | 65+ Years Old   | Male   |
|                                     | Baltimore County | 65+ Years Old   | Female |
|                                     | Baltimore County | 65+ Years Old   | Male   |
|                                     | Baltimore City   | 65+ Years Old   | Male   |
|                                     | Frederick        | 65+ Years Old   | Male   |
|                                     | Prince George's  | 65+ Years Old   | Female |
|                                     | Anne Arundel     | 65+ Years Old   | Female |

*\*Refers to the jurisdiction where the death occurred. \*\*Refers to a newly listed death ^Refers to updated information from OCME  
 \*\*+Refers to a newly listed death occurring during the excessive heat event (7.17-7.22.19)*

There were no heat-related deaths reported this week.

There have been twenty heat-related deaths during the reporting period. It is not determined if one of the deaths is presumed or suspected to be a homeless individual. Seven of these deaths occurred during the recent excessive heat event (7.17-7.22.19)

**Heat Advisory criteria:** The National Weather Service will issue a Heat Advisory when the heat index value is expected to reach 105 to 109 degrees within the next 12 to 24 hours. A Heat Advisory may be issued for lower criteria if it is early in the season or during a multiday heat wave. NWS will issue an Excessive Heat Warning when the heat index value is expected to reach or exceed 110 degrees within the next 12 to 24 hours. An Excessive Heat Warning may be issued for lower criteria if it is early in the season or during a multiday heat wave.

**Suspected Homeless Death Data:** Office of the Chief Medical Examiner (OCME) Field Investigators use the U.S. Department of Health and Human Services (HHS) homeless definition to determine suspected homeless deaths. Homeless deaths are listed as suspected due to the limited information available to the Field Investigators at the time of investigation, which may result in some misclassifications.

For more information about extreme cold and emergency preparedness, follow the Office of Preparedness and Response on Twitter and Facebook.

For media inquiries, please contact the Office of Communications: 410-767-6490

**Prepared by:**

Office of Preparedness and Response  
Maryland Department of Health  
300 W. Preston Street, Suite 202  
Baltimore, MD 21201

<http://preparedness.health.maryland.gov>

Kristin A. Dietz, MS  
Chief Local Health & Health Planning  
Office: 410-767-0639  
Email: [Kristin.Dietz@maryland.gov](mailto:Kristin.Dietz@maryland.gov)

Jennifer Stanley, MPH  
Epidemiologist, Biosurveillance Program  
Office: 410-767-2074  
Email: [Jennifer.Stanley@maryland.gov](mailto:Jennifer.Stanley@maryland.gov)

Jessica Acharya, MPH  
Career Epidemiology Field Officer  
Office: 410-767- 6745  
Email: [Jessica.Goodell@maryland.gov](mailto:Jessica.Goodell@maryland.gov)

Sara Barra, MS  
Emergency Operations Manager  
Office: 410-767-6434  
Email: [Sara.Barra@maryland.gov](mailto:Sara.Barra@maryland.gov)

Peter Fotang, MD, MPH  
Epidemiologist, Biosurveillance Program  
Office: 410-767- 8438  
Email: [Peter.Fotang@maryland.gov](mailto:Peter.Fotang@maryland.gov)