



MARYLAND
Department of Health

Public Health Preparedness and Situational Awareness Report: #2021:21

Reporting for the week ending 05/29/21 (MMWR Week #21)

June 4th, 2021

CURRENT HOMELAND SECURITY THREAT LEVELS

National: No Active Alerts

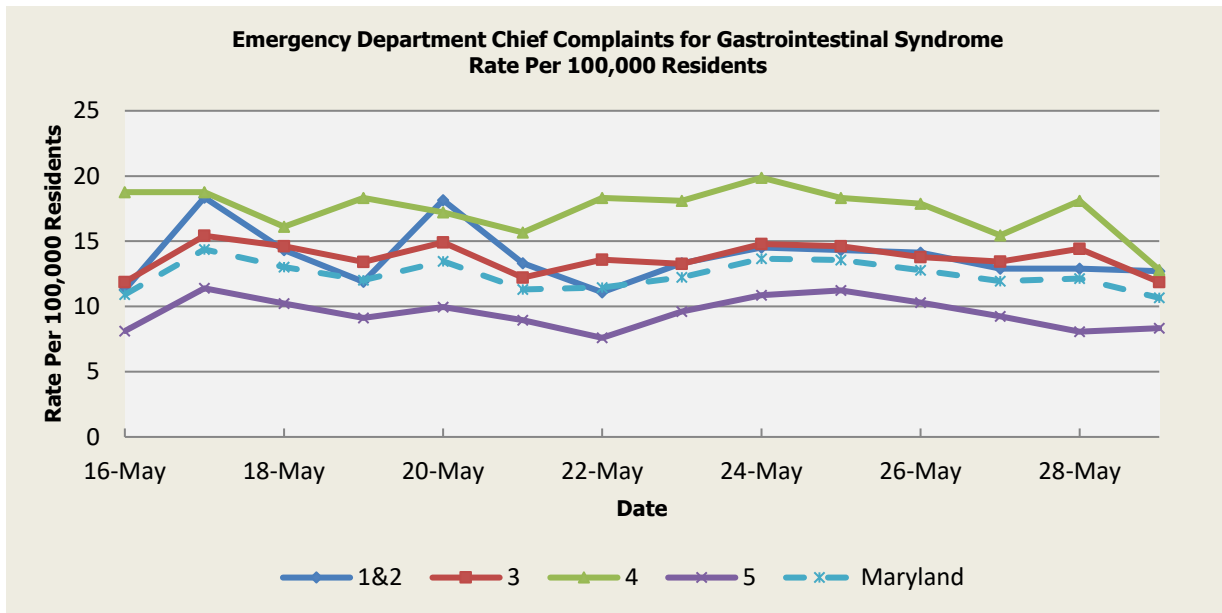
Maryland: **ENHANCED** (MEMA status)

SYNDROMIC SURVEILLANCE REPORTS

ESSENCE (Electronic Surveillance System for the Early Notification of Community-based Epidemics): Graphical representation is provided for all syndromes (excluding the “Other” category; see Appendix 1) by Health and Medical Regions (See Appendix 2). Emergency department chief complaint data is presented as rates per 100,000 residents using data from the 2010 census. Electronic Surveillance System for the Early Notification of Community-Based Epidemics (ESSENCE). Baltimore, MD: Maryland Department of Health; 2021.

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Gastrointestinal Syndrome



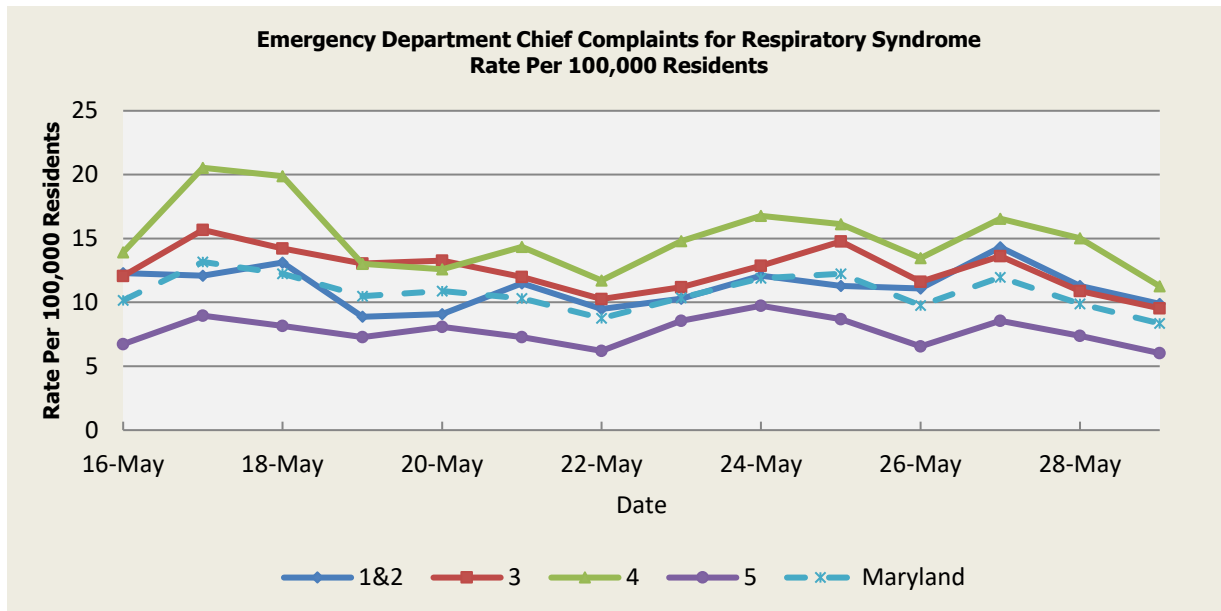
There was no Gastrointestinal Syndrome outbreaks reported this week.

Gastrointestinal Syndrome Baseline Data January 1, 2010 - Present					
Health Region	1&2	3	4	5	Maryland
Mean Rate*	13.14	14.72	15.83	10.05	12.88
Median Rate*	13.11	14.61	15.46	10.00	12.83

* Per 100,000 Residents

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Respiratory Syndrome



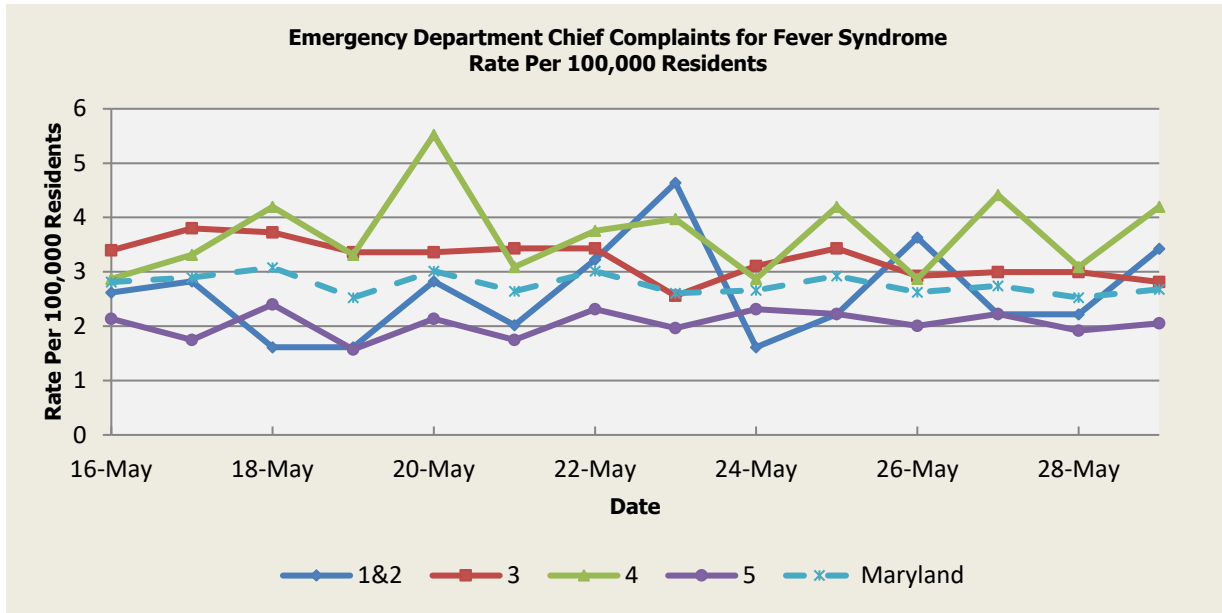
There were thirty-six (36) respiratory syndrome outbreaks reported this week: Seven (7) outbreaks of COVID-19 in Assisted Living Facilities (Regions 3,4,5), one (1) outbreak of COVID-19 in a Behavioral Health Facility (Region 5), two (2) outbreaks of COVID-19 in Correctional Facilities (Regions 3,5), three (3) outbreaks of COVID-19 in Daycare Facilities (Regions 3,4,5), eight (8) outbreaks of COVID-19 in Group Homes (Regions 3,4,5), two (2) outbreaks of COVID-19 in Hospitals (Regions 1,2,3), six (6) outbreaks of COVID-19 in Nursing Homes (Regions 1,2,3,4,5), five (5) outbreaks of COVID-19 in Schools (Regions 1,2,3), one (1) outbreak of COVID-19 in a Substance Use Treatment Program (Region 3), and one (1) outbreak of COVID-19 in a Workplace (Region 3).

Respiratory Syndrome Baseline Data January 1, 2010 - Present					
Health Region	1&2	3	4	5	Maryland
Mean Rate*	12.43	14.68	15.21	9.89	12.70
Median Rate*	12.10	14.03	14.35	9.47	12.13

* Per 100,000 Residents

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Fever Syndrome



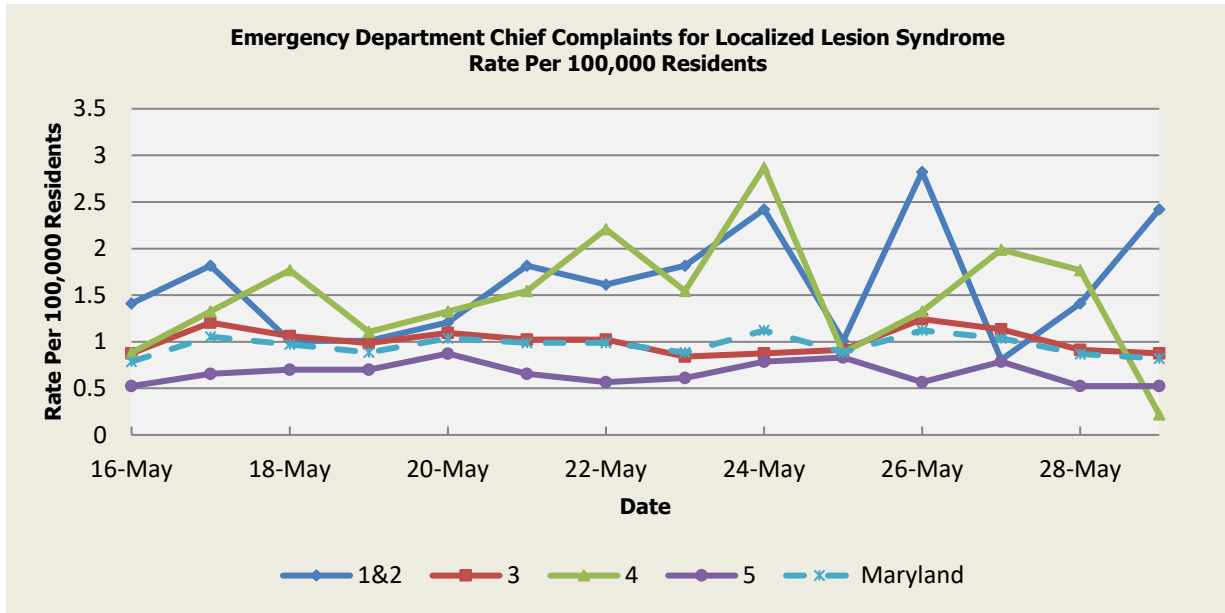
There were no Fever Syndrome outbreaks reported this week.

Fever Syndrome Baseline Data January 1, 2010 - Present					
Health Region	1&2	3	4	5	Maryland
Mean Rate*	3.03	3.87	4.10	2.99	3.48
Median Rate*	2.82	3.73	3.97	2.88	3.35

*Per 100,000 Residents

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Localized Lesion Syndrome



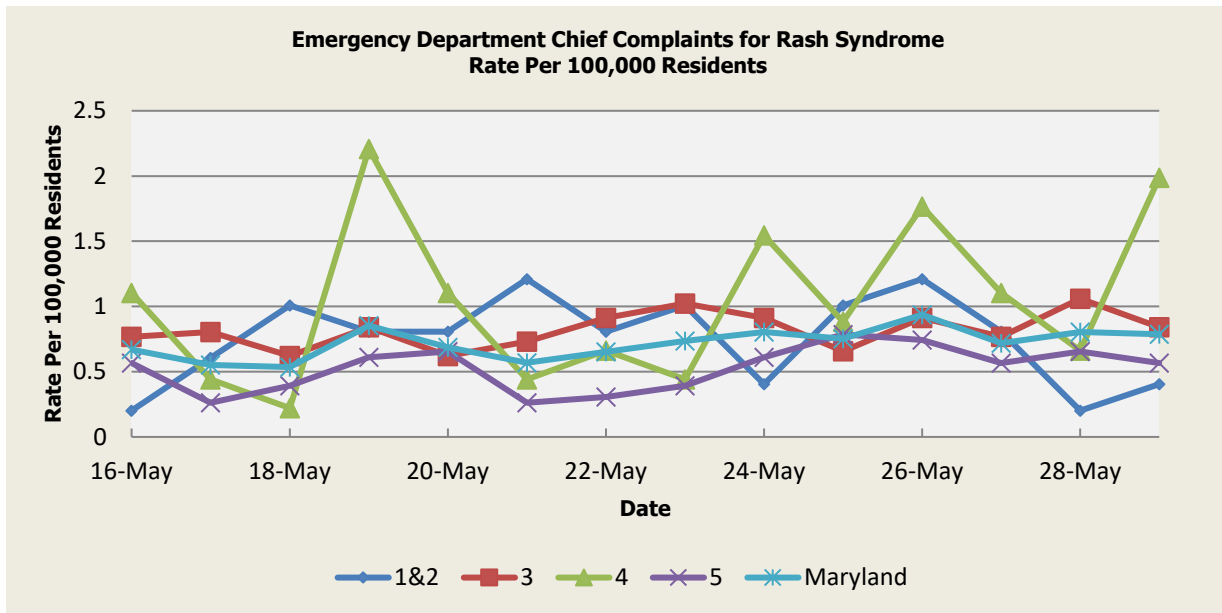
There were no Localized Lesion Syndrome outbreaks reported this week.

Localized Lesion Syndrome Baseline Data January 1, 2010 - Present					
Health Region	1&2	3	4	5	Maryland
Mean Rate*	1.16	1.67	1.95	0.85	1.33
Median Rate*	1.01	1.61	1.77	0.83	1.29

* Per 100,000 Residents

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Rash Syndrome



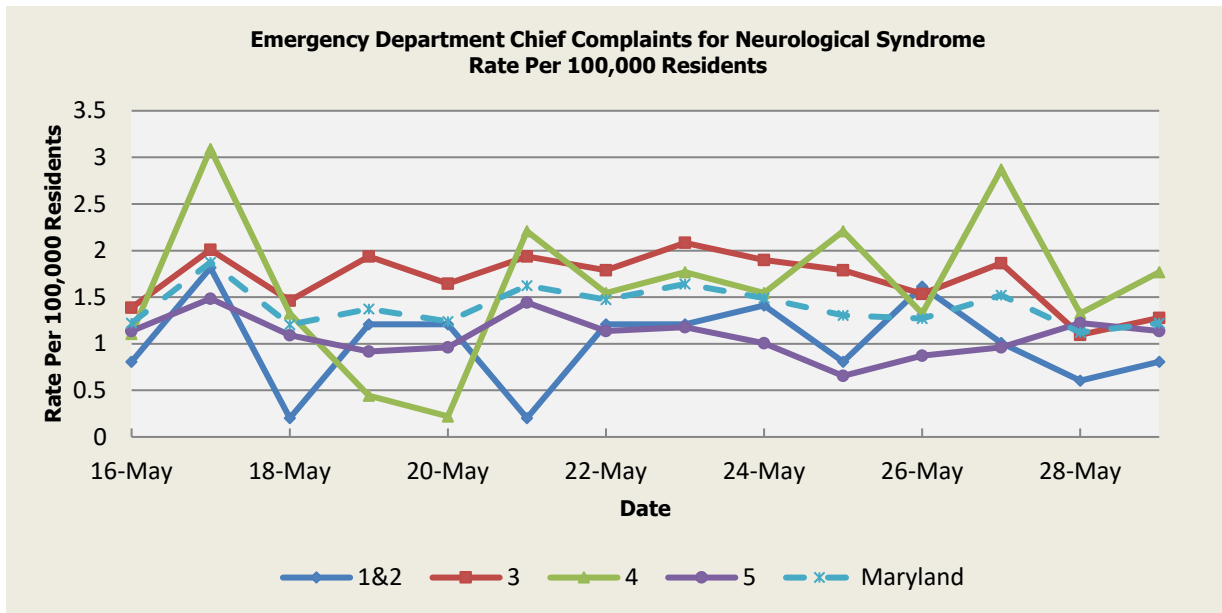
There were no rash illness outbreak reported this week.

Rash Syndrome Baseline Data January 1, 2010 - Present					
Health Region	1&2	3	4	5	Maryland
Mean Rate*	1.17	1.55	1.65	0.90	1.28
Median Rate*	1.01	1.53	1.55	0.87	1.25

* Per 100,000 Residents

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Neurological Syndrome



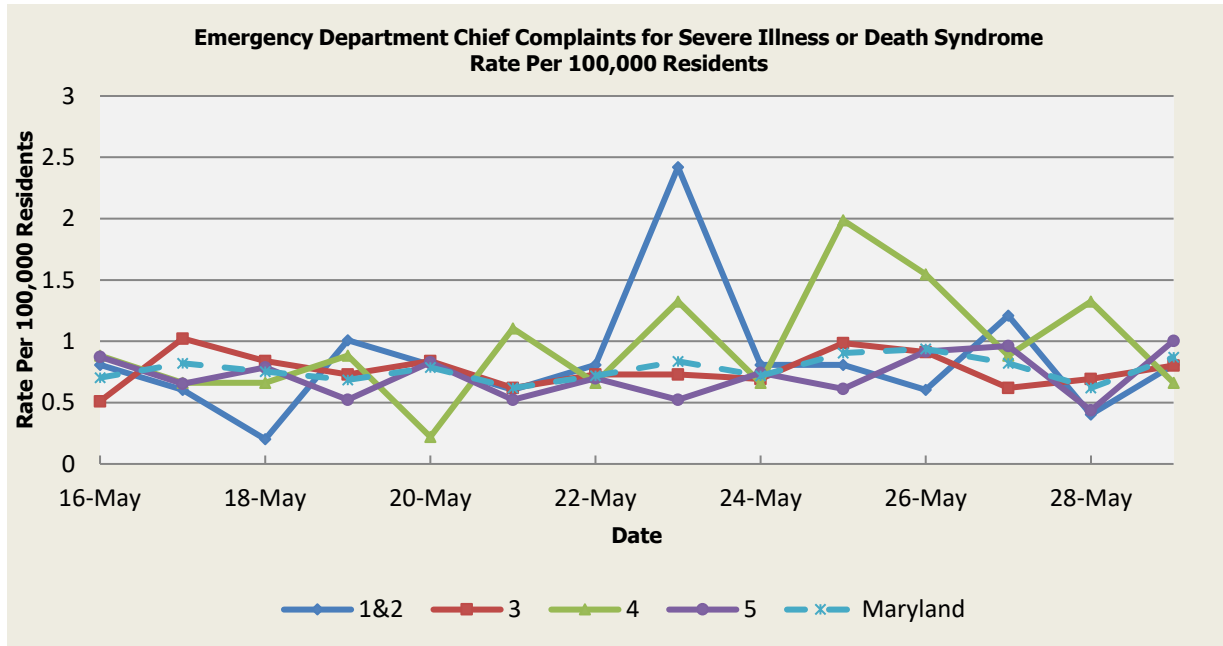
There were no Neurological Syndrome outbreaks reported this week.

Neurological Syndrome Baseline Data January 1, 2010 - Present					
Health Region	1&2	3	4	5	Maryland
Mean Rate*	0.83	1.03	0.96	0.66	0.87
Median Rate*	0.81	0.99	0.88	0.61	0.84

* Per 100,000 Residents

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Severe Illness or Death Syndrome



There were no Severe Illness or Death Syndrome outbreaks reported this week.

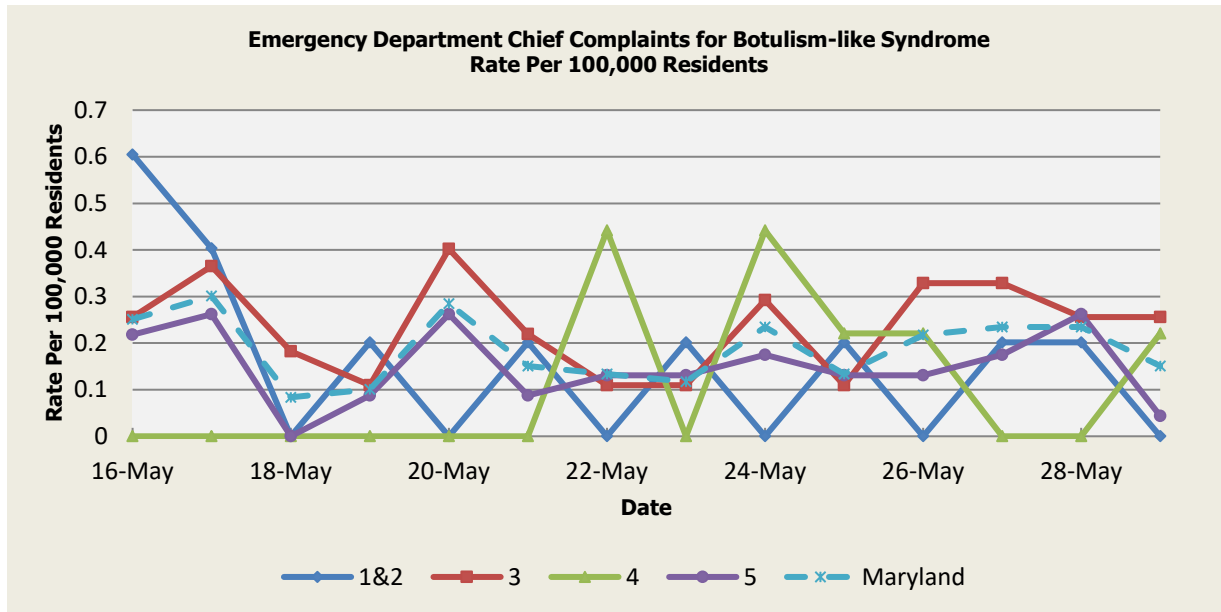
Severe Illness or Death Syndrome Baseline Data January 1, 2010 - Present					
Health Region	1&2	3	4	5	Maryland
Mean Rate*	0.66	0.87	0.85	0.55	0.73
Median Rate*	0.60	0.84	0.88	0.52	0.70

* Per 100,000 Residents

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SYNDROMES RELATED TO CATEGORY A AGENTS

Botulism-like Syndrome



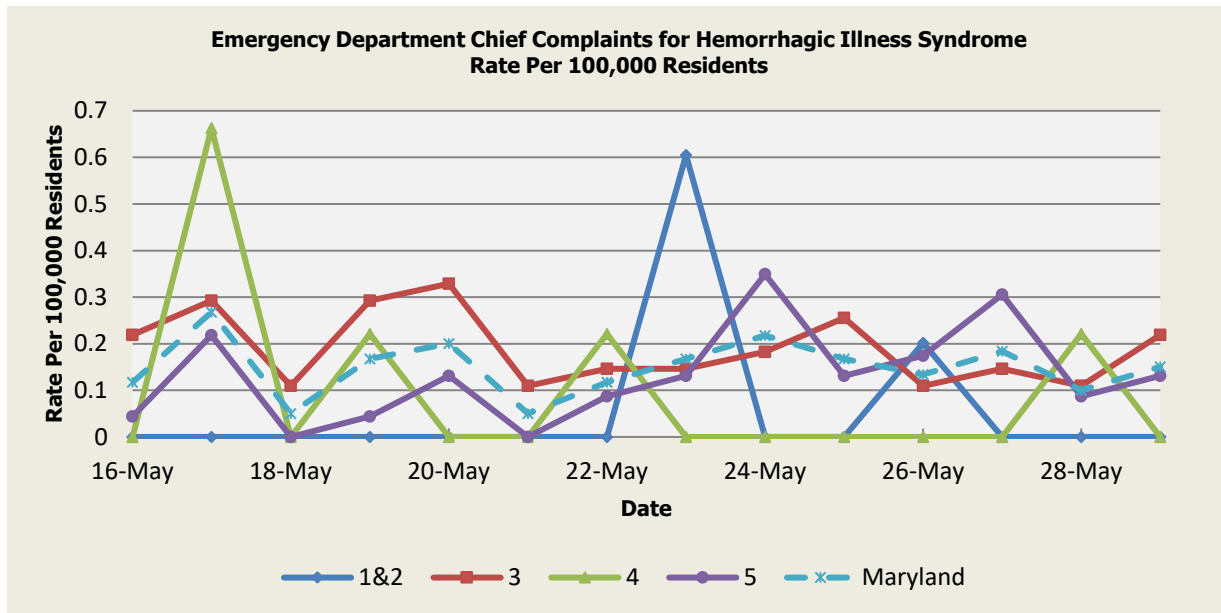
There was an appreciable increase above baseline in the rate of ED visits for Botulism-like Syndrome on 5/16 (Regions 1&2), 5/17 (Regions 1&2,3,5), 5/19 (Regions 1&2), 5/20 (Regions 3,5), 5/21 (Regions 1&2), 5/22 (Region 4), 5/23 (Regions 1&2), 5/24 (Regions 3,4), 5/25 (Regions 1&2,4), 5/26 (Regions 3,4), 5/27 (Regions 1&2,3), 5/28 (Regions 1&2,5), 5/29 (Region 4). These increases are not known to be associated with any outbreaks.

Botulism-like Syndrome Baseline Data January 1, 2010 - Present					
Health Region	1&2	3	4	5	Maryland
Mean Rate*	0.08	0.14	0.07	0.09	0.11
Median Rate*	0.00	0.11	0.00	0.09	0.10

* Per 100,000 Residents

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Hemorrhagic Illness Syndrome



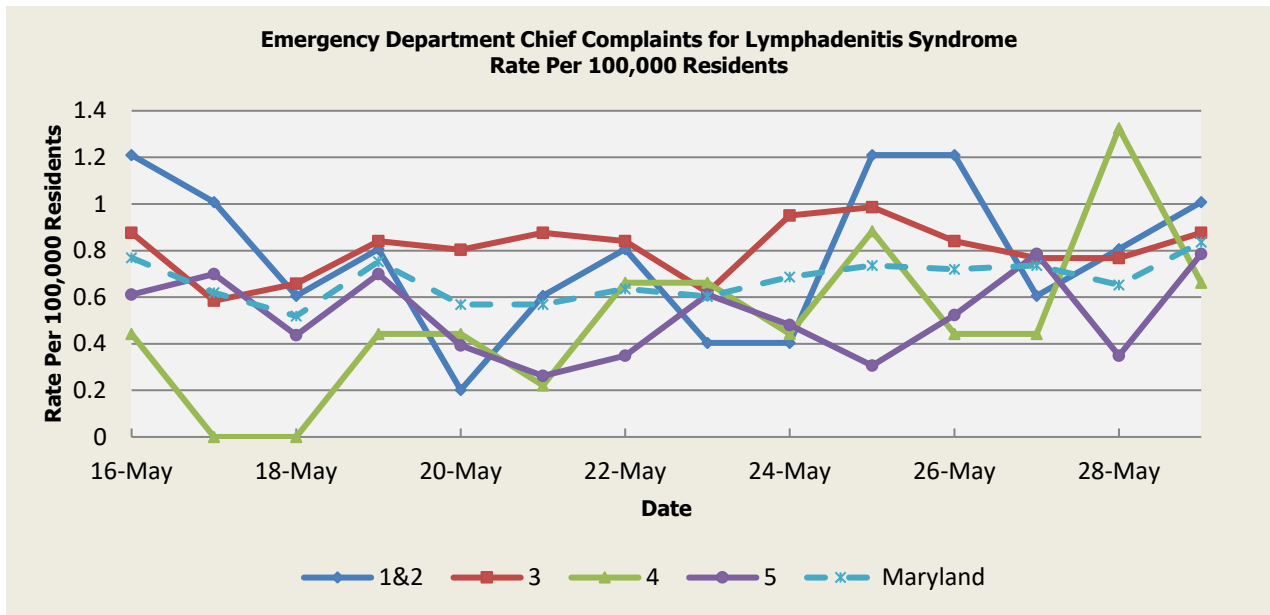
There was an appreciable increase above baseline in the rate of ED visits for Hemorrhagic Illness Syndrome on 5/17 (Region 4), 5/19 (Region 4), 5/22 (Region 4), 5/23 (Regions 1&2), 5/24 (Region 5), 5/26 (Regions 1&2), 5/27 ((Region 5). These increases are not known to be associated with any outbreaks.

Hemorrhagic Illness Syndrome Baseline Data January 1, 2010 - Present					
Health Region	1&2	3	4	5	Maryland
Mean Rate*	0.05	0.17	0.04	0.15	0.14
Median Rate*	0.00	0.11	0.00	0.09	0.12

* Per 100,000 Residents

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Lymphadenitis Syndrome



There was an appreciable increase above baseline in the rate of ED visits for Lymphadenitis Syndrome on 5/16 (Regions 1&2), 5/17 (Regions 1&2), 5/25 (Regions 1&2,4), 5/26 (Regions 1&2), 5/28 (Region 4), 5/29 (Regions 1&2). These increases are not known to be associated with any outbreaks.

Lymphadenitis Syndrome Baseline Data January 1, 2010 - Present					
Health Region	1&2	3	4	5	Maryland
Mean Rate*	0.41	0.61	0.41	0.40	0.50
Median Rate*	0.40	0.55	0.44	0.35	0.49

* Per 100,000 Residents

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MARYLAND REPORTABLE DISEASE SURVEILLANCE

Coronavirus Disease 2019 (COVID-19) Situation Summary

On March 5th, 2020, the Maryland Department of Health announced the first cases of coronavirus disease 2019 (abbreviated COVID-19) in the State of Maryland.

Confirmed COVID-19 Case Counts in Maryland by County (As of June 4th, 2021)

County	Number of Confirmed Cases
Allegany	7,013
Anne Arundel	43,814
Baltimore City	65,696
Baltimore County	52,902
Calvert	4,221
Caroline	2,343
Carroll	9,487
Cecil	6,309
Charles	10,887
Dorchester	2,832
Frederick	19,783
Garrett	2,034
Harford	16,585
Howard	19,232
Kent	1,350
Montgomery	70,958
Prince George's	85,133
Queen Anne's	2,998
Somerset	2,613
St. Mary's	6,032
Talbot	2,161
Washington	14,606
Wicomico	7,688
Worcester	3,662
Total	460,339

The most up-to-date information may be found on the Maryland Department of Health website at <https://coronavirus.maryland.gov>.

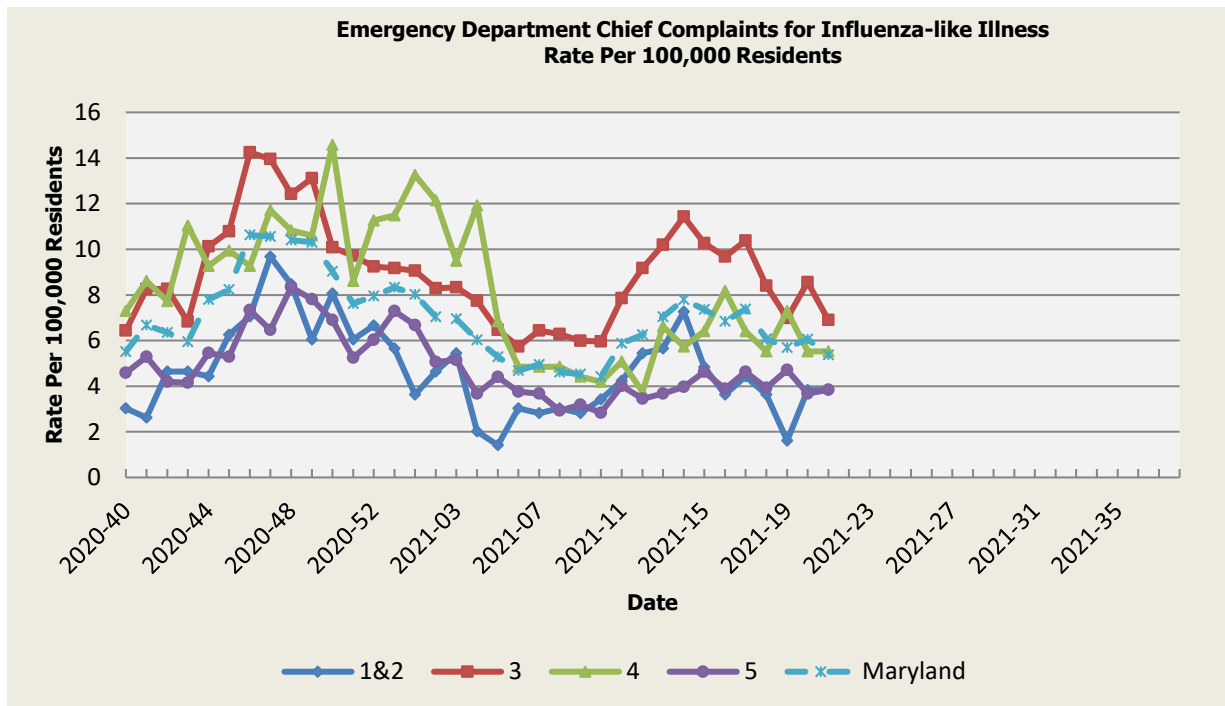
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SYNDROMIC INFLUENZA SURVEILLANCE

Seasonal Influenza reporting occurs from MMWR Week 40 through MMWR Week 20 (October 2020 through May 2021). Due to the COVID-19 pandemic, influenza reporting will be extended to the beginning of the 2021-2022 reporting season (MMWR Week 40/Week Ending October 9, 2021).

Seasonal Influenza activity for Week 21 :

Influenza-like Illness

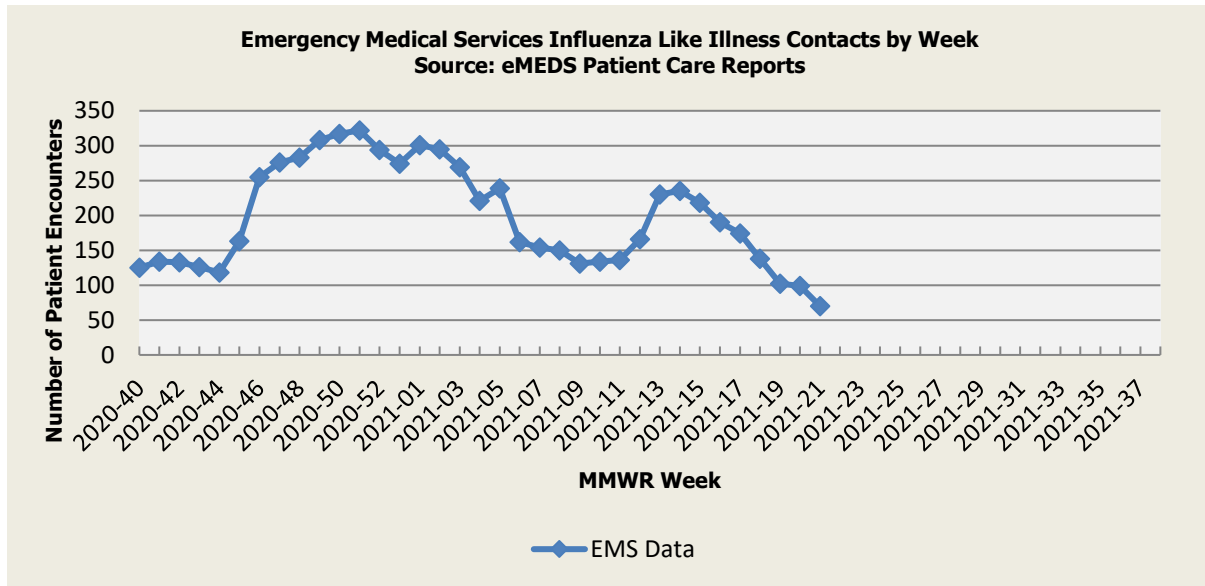


Influenza-like Illness Baseline Data Week 1 2010 - Present					
Health Region	1&2	3	4	5	Maryland
Mean Rate*	10.00	13.85	13.15	11.54	12.59
Median Rate*	7.26	10.19	9.27	8.34	9.12

* Per 100,000 Residents

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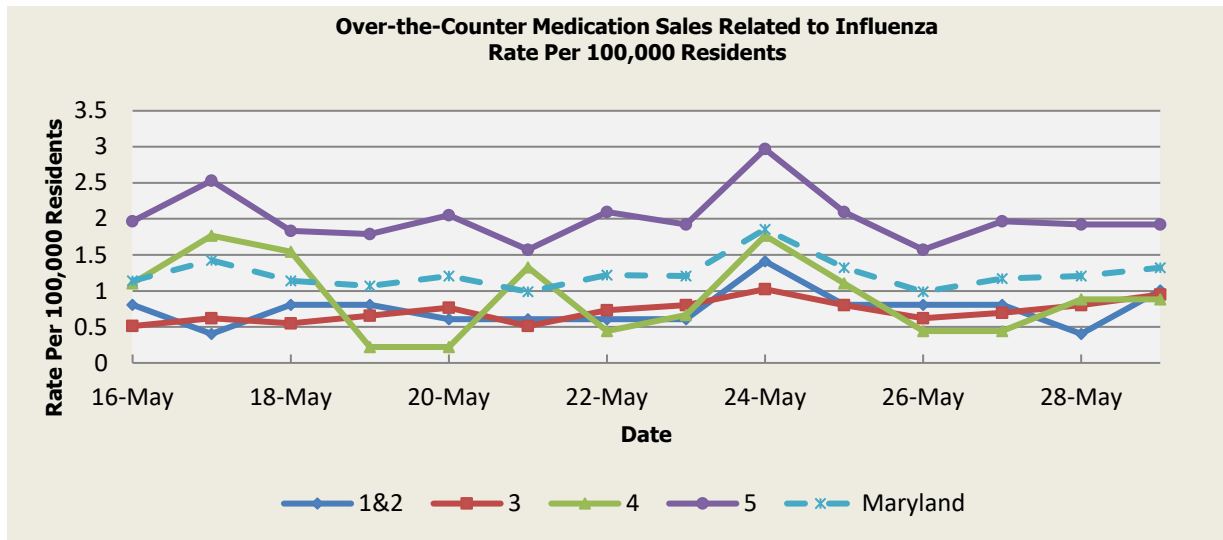
Influenza-like Illness Contacts by Week



Disclaimer on eMEDS flu related data: These data are based on EMS Pre-hospital care reports where the EMS provider has selected “flu like illness” as a primary or secondary impression of 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 influenza the actual numbers may be low. These data are reported for trending purposes only.

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Over-the-Counter Influenza-Related Medication Sales



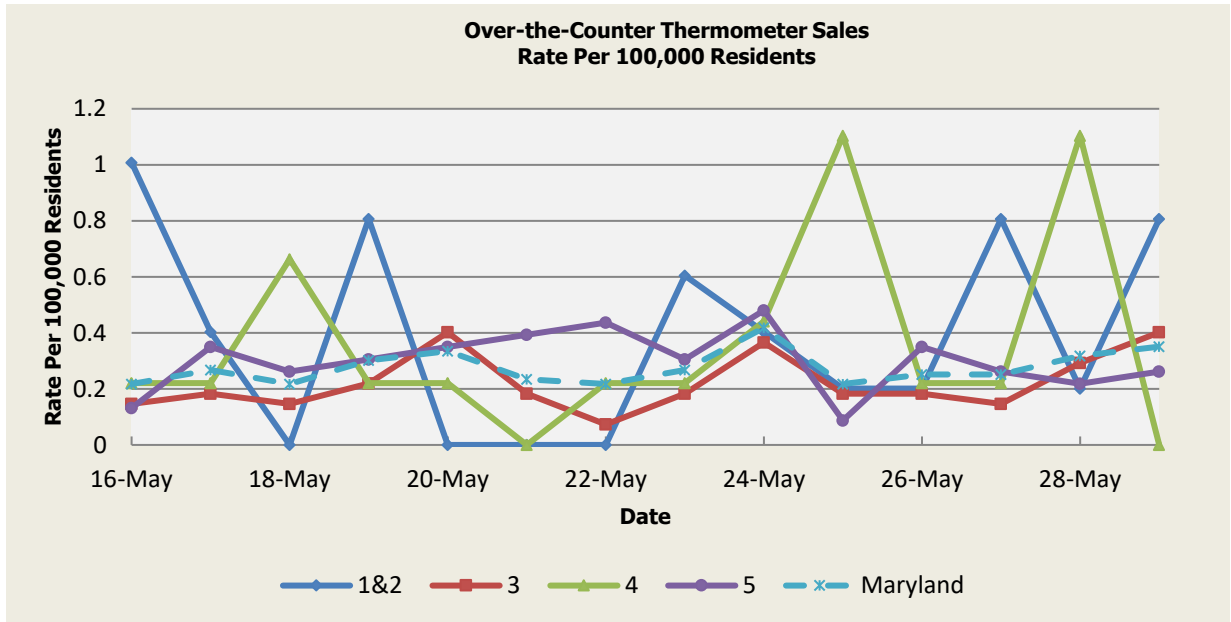
There was no appreciable increase above baseline in the rate of OTC Medication Sales during this reporting period.

OTC Medication Sales Baseline Data January 1, 2010 - Present					
Health Region	1&2	3	4	5	Maryland
Mean Rate*	3.16	4.02	2.46	7.29	5.08
Median Rate*	2.42	3.03	1.99	6.33	4.20

* Per 100,000 Residents

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Over-the-Counter Thermometer Sales



There was no appreciable increase above baseline in the rate of OTC Thermometer Sales during this reporting period.

Thermometer Sales Baseline Data January 1, 2010 - Present					
Health Region	1&2	3	4	5	Maryland
Mean Rate*	2.63	2.49	2.04	3.29	2.77
Median Rate*	2.42	2.45	1.99	3.32	2.81

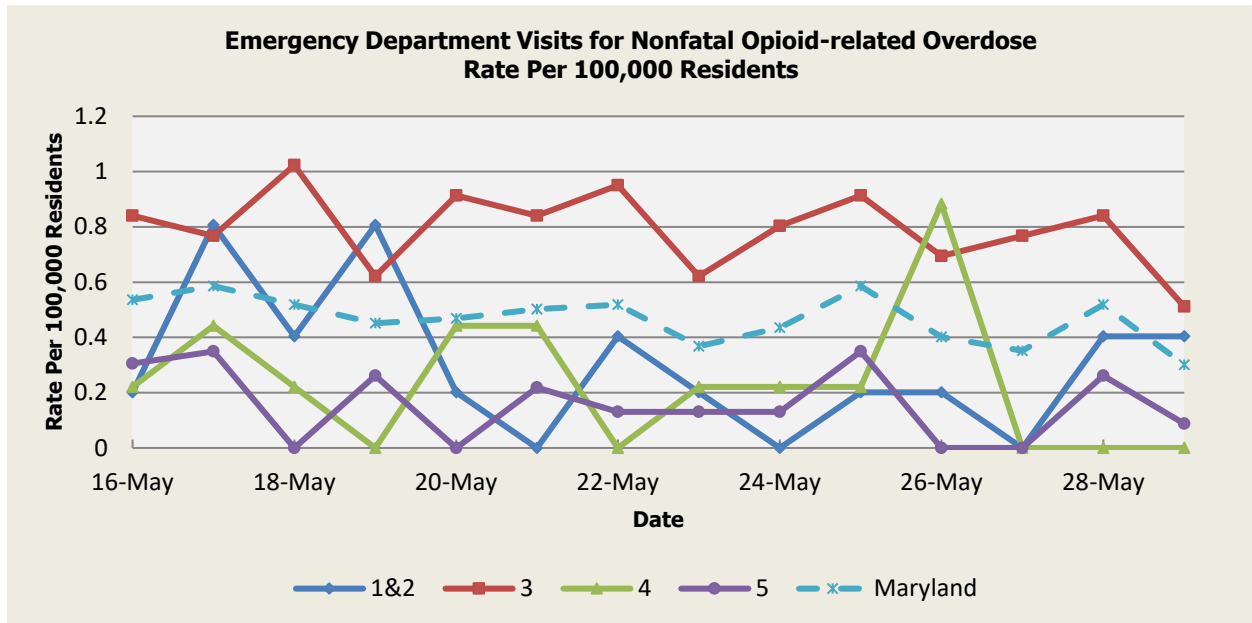
* Per 100,000 Residents

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SYNDROMIC OVERDOSE SURVEILLANCE

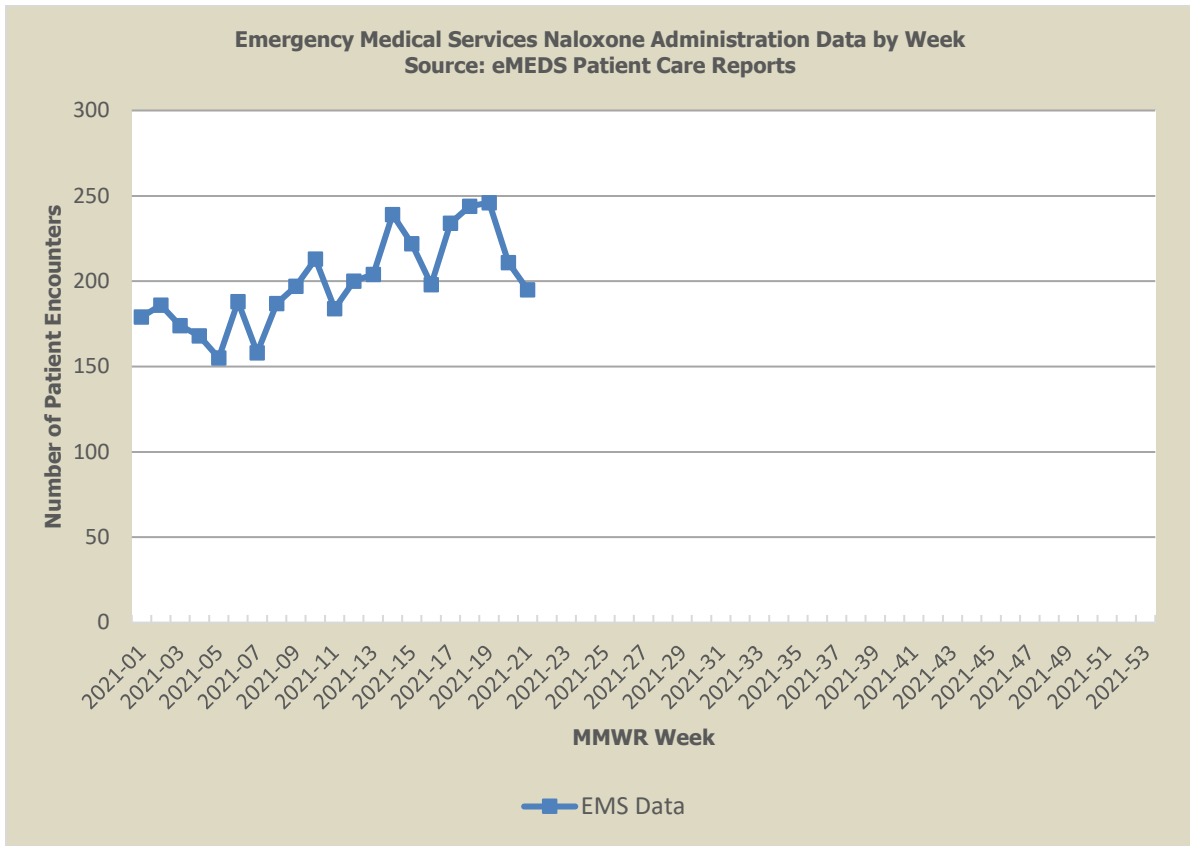
The purpose of this section is to characterize nonfatal overdose trends among Maryland residents captured by ESSENCE data, including emergency department (ED) chief complaint and discharge diagnosis as well as emergency medical services (EMS) patient care reports. Maryland uses ESSENCE data to track trends in nonfatal drug overdoses as a critical strategy for surveillance and tailoring prevention resources to populations most affected in the state.

Nonfatal Opioid-related Overdose



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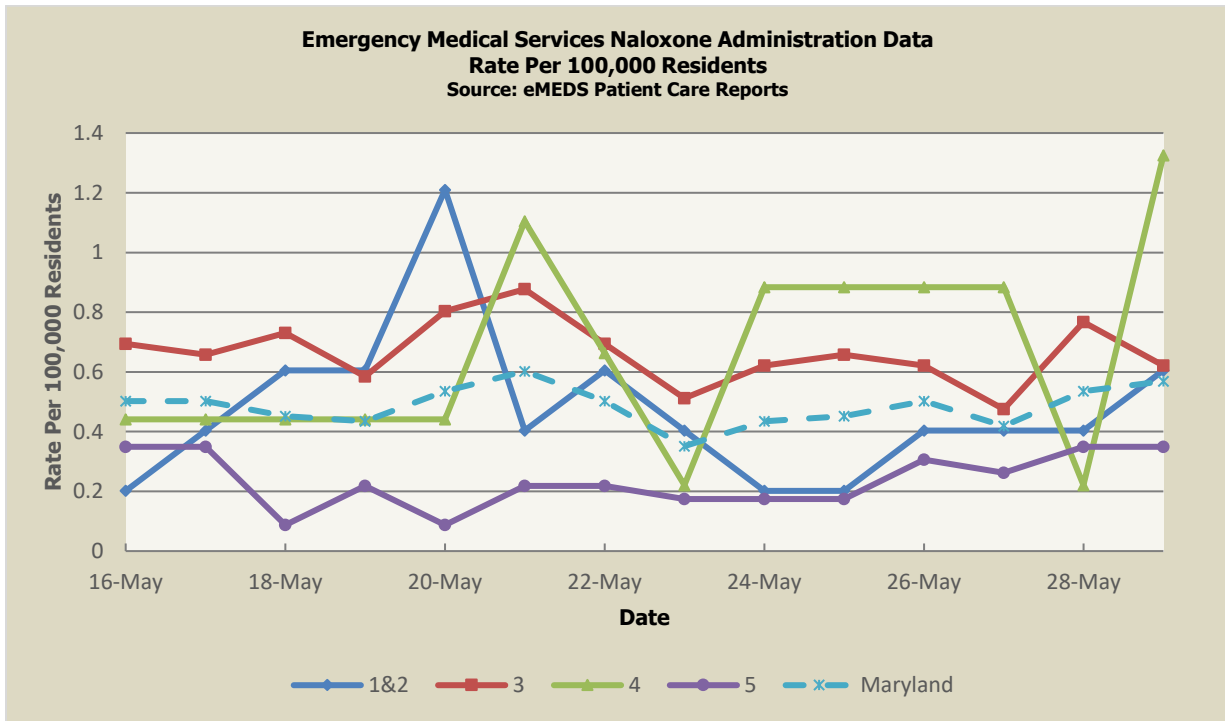
Naloxone Administration Data by Week



Disclaimer on eMEDS naloxone administration related data: These data are based on EMS Pre-hospital care reports where the EMS provider has documented that they administered naloxone. The administration of naloxone is based on the patient’s signs and symptoms and not on any diagnostic tests. These data are reported for trending purposes only.

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Naloxone Administration Data



Disclaimer on eMEDS Naloxone administration related data: These data are based on EMS Pre-hospital care reports where the EMS provider has documented that they administered naloxone. The administration of naloxone is based on the patient's signs and symptoms and not on any diagnostic tests. These data are reported for trending purposes only.

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PANDEMIC INFLUENZA UPDATE / AVIAN INFLUENZA-RELATED REPORTS

WHO update: The current WHO phase of pandemic alert for avian influenza is ALERT. Currently, the avian influenza H5N1 virus continues to circulate in poultry in some countries, especially in Asia and northeast Africa. This virus continues to cause sporadic human infections with some instances of limited human-to-human transmission among very close contacts. There has been no sustained human-to-human or community-level transmission identified thus far.

Influenza A (H7N9) is one of a subgroup of influenza viruses that normally circulate among birds. Until recently, this virus had not been seen in people. However, human infections have now been detected. Presently, there is limited information about the scope of the disease the virus causes and about the source of exposure. The disease is of concern because most patients have been severely ill. There is no indication thus far that it can be transmitted between people, but both animal-to-human and human-to-human routes of transmission are being actively investigated.

Alert phase: This is the phase when influenza caused by a new subtype has been identified in humans. Increased vigilance and careful risk assessment, at local, national, and global levels are characteristic of this phase. If the risk assessments indicate that the new virus is not developing into a pandemic strain, a de-escalation of activities towards those in the interpandemic phase may occur. As of June 4th, 2021, the WHO-confirmed global total (2003-2020) of human cases of H5N1 avian influenza virus infection stands at 862, of which 455 have been fatal. Thus, the case fatality rate for human H5N1 is approximately 53%.

AVIAN INFLUENZA

AVIAN INFLUENZA (NETHERLANDS), 2 June 2021, Wageningen Bioveterinary Research (WBVR) has confirmed yet another introduction of bird flu [avian influenza] at a Dutch poultry farm. Read More: <https://promedmail.org/promed-post/?id=8417795>

AVIAN INFLUENZA (LITHUANIA, GERMANY), 1 June 2021, Affected population: In the trader premises with 1238 poultry kept (ducks and geese (1-2 weeks of age)- 150, turkey (2-3 weeks old) - 200, broilers (2-3 weeks old). Read More: <https://promedmail.org/promed-post/?id=8415504>

AVIAN INFLUENZA (FINLAND, GERMANY), 28 May 2021, Highly pathogenic influenza A viruses (infection with) (non-poultry including wild birds), Finland. Read More: <https://promedmail.org/promed-post/?id=8398605>

HUMAN AVIAN INFLUENZA

AVIAN INFLUENZA, HUMAN (CHINA), 2 June 2021, A 41-year-old man in China's eastern province of Jiangsu has been confirmed as the 1st human case of infection with a rare strain of bird flu known as H10N3, Beijing's National Health Commission (NHC) said on Tuesday [2 Jun 2021]. Read More: <https://promedmail.org/promed-post/?id=8416833>

NATIONAL DISEASE REPORTS

SALMONELLOSIS, SEROTYPE ENTERITIDIS (USA), 3 June 2021, Salmonella outbreak linked to raw frozen breaded stuffed chicken products. Read More:

<https://promedmail.org/promed-post/?id=8420798>

RABIES (MICHIGAN), 20 May 2021, A dog from Detroit tested positive for rabies, a 1st in the state since 2011, according to the Michigan Department of Health and Human Services (MDHHS) and Michigan Department of Agriculture and Rural Development (MDARD). Read More: <https://promedmail.org/promed-post/?id=8409894>

INTERNATIONAL DISEASE REPORTS

HANTAVIRUS (SOUTH AFRICA ex EUROPE CROATIA), 3 June 2021, the first laboratory-confirmed imported case of a hantavirus infection in South Africa was recorded in May 2021. The case involved a 37-year-old South African businessman, living and working in Crikvenica, Croatia. Read More: <https://promedmail.org/promed-post/?id=8419923>

PNEUMOCOCCAL DISEASE, INVASIVE (CANADA), 3 June 2021, We have conducted population-based surveillance for invasive pneumococcal disease (IPD) in Calgary (population about 1.3 million), Canada since 1998. Read More: <https://promedmail.org/promed-post/?id=8419595>

CHOLERA, DIARRHEA AND DYSENTERY UPDATE (DEMOCRATIC REPUBLIC OF CONGO), 2 June 2021, at least 6 cases of cholera were reported on Sunday [30 May 2021] among the displaced people in the city of Sake, about 26 kilometers [16 miles] north of Goma, capital of North Kivu province in the Democratic Republic of the Congo (DRC), after the eruption of the Nyiragongo volcano nearby on 22 May 2021. Read More: <https://promedmail.org/promed-post/?id=8418859>

METHANOL POISONING (INDIA), 30 May 2021, At least 11 people have died and 6 have been hospitalized in critical condition after drinking tainted alcohol in northern India, an official said Friday [28 May 2021]. Read More: <https://promedmail.org/promed-post/?id=8404202>

LEPTOSPIROSIS (AUSTRALIA), 29 May 2021, [The patient] could have been dead in days. The 70-year-old Dunedoo pub owner caught a deadly infection from the mice plaguing NSW [New South Wales], leaving him in hospital with acute kidney failure, liver failure and a leaky heart valve. Read More: <https://promedmail.org/promed-post/?id=8403534>

OTHER RESOURCES AND ARTICLES OF INTEREST

More information concerning Public Health and Emergency Preparedness can be found at the Office of Preparedness and Response website: <http://preparedness.health.maryland.gov/> or follow us on Facebook at www.facebook.com/MarylandOPR.

More data and information on influenza can be found on the MDH website: <http://phpa.health.maryland.gov/influenza/fluwatch/Pages/Home.aspx>

Please participate in the Maryland Resident Influenza Tracking System (MRITS): <http://flusurvey.health.maryland.gov>

NOTE: This weekly review is a compilation of data from various surveillance systems, interpreted with a focus on a potential BT event. It is not meant to be inclusive of all epidemiology data available, nor is it meant to imply that every activity reported is a definitive BT event. International reports of outbreaks due to organisms on the CDC Critical Biological Agent list will also be reported. While not "secure", please handle this information in a professional manner. Please feel free to distribute within your organization, as you feel appropriate, to other professional staff involved in emergency preparedness and infection control.

For questions about the content of this review or if you have received this and do not wish to receive these weekly notices, please e-mail us. If you have information that is pertinent to this notification process, please send it to us to be included in the routine report.

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Appendix 1: ESSENCE Syndrome Definitions and Associated Category A Conditions

Syndrome	ESSENCE Definition	Category A Conditions
Botulism-like	(Botulism or (DifficultyFocusing and DifficultySpeaking) or (DifficultySpeaking and DifficultySwallowing) or (DifficultySwallowing and DifficultyFocusing) or DoubleVision or FacialParalysis or GuillainBarre or Ptosis) and not GeneralExclusions	Botulism
Fever	(Chills or (FeverPlus and (Drowsiness or Seizure)) or FeverOnly or SepsisGroup or ViralSyndrome) and not GeneralExclusions	N/A
Gastrointestinal	(AbdominalCramps or AbdominalPainGroup or Diarrhea or FoodPoisoning or Gastroenteritis or GIBleeding or Peritonitis or Vomiting) and not (GeneralExclusions or Gynecological or Obstetric or Reproductive or UrinaryTract)	Anthrax (gastrointestinal)
Hemorrhagic Illness	(FeverOrChills and (AcuteBloodAbnormalitiesGroup or BleedingFromMouth or BleedingGums or GIBleeding or Hematemesis or Hemoptysis or Nosebleed or Petechiae or Purpura)) and not GeneralExclusions	Viral Hemorrhagic Fever
Localized Lesion	(Boils or Bump or Carbuncle or DepressedUlcer or Eschar or Furuncle or InsectBite or SkinAbscess or (SkinSores and not AllOverBody) or SkinUlcer or SpiderBite) and not (GeneralExclusions or Decubitus or Diabetes or StasisUlcer)	Anthrax (cutaneous) Tularemia
Lymphadenitis	(BloodPoisoning or Bubo or CatScratchDisease or SwollenGlands) and not GeneralExclusions	Plague (bubonic)
Neurological	((([Age<75] and AlteredMentalStatus) or (FeverPlus and (Confusion or Drowsiness or Petechiae or StiffNeck)) or Delirium or Encephalitis or Meningitis or UnconsciousGroup) and not GeneralExclusions	N/A
Rash	(ChickenPox or Measles or RashGeneral or Roseola or (Rubella and not Pregnancy) or Shingles or (SkinSores and AllOverBody) or Smallpox) and not GeneralExclusions	Smallpox
Respiratory	(Anthrax or Bronchitis or (ChestPain and [Age<50]) or Cough or Croup or DifficultyBreathing or Hemothorax or Hypoxia or Influenza or Legionnaires or LowerRespiratoryInfection or Pleurisy or Pneumonia or RespiratoryDistress or RespiratoryFailure or RespiratorySyncytialVirus or RibPain or ShortnessOfBreath or Wheezing) and not (GeneralExclusions or Cardiac or (ChestPain and Musculoskeletal) or Hyperventilation or Pneumothorax)	Anthrax (inhalational) Tularemia Plague (pneumonic)
Severe Illness or Death	CardiacArrest or CodeGroup or DeathGroup or (Hypotension and FeverPlus) or RespiratoryArrest or SepsisGroup or Shock	N/A

Appendix 2: Maryland Health and Medical Region Definitions

Health and Medical Region	Counties Reporting to ESSENCE
Regions 1 & 2	Allegany County Frederick County Garrett County Washington County
Region 3	Anne Arundel County Baltimore City Baltimore County Carroll County Harford County Howard County
Region 4	Caroline County Cecil County Dorchester County Kent County Queen Anne's County Somerset County Talbot County Wicomico County Worcester County
Region 5	Calvert County Charles County Montgomery County Prince George's County St. Mary's County

