

Situation Report	Incident	Operational Period	Reporting Unit	Form
External	COVID-19	05/15/2020	SAEMS	ICS-209 Short

CURRENT STATEWIDE STATUS:

CURRENT REGIONAL AND STATE CASE COUNTS:

County	Confirmed	Negative Tests	%	Deaths	Case Rate
	Cases		Positive		/100,000
Bedford	30 (+0)	<mark>429</mark>	6.5	1 (+0)	62.3
Blair	32 (+0)	1733	1.8		26.1
Cambria	49 (+4)	2315	2.1	1 (+0)	37.2
Fulton	11 (+0)	<mark>144</mark>	7.1	0	75.7
Huntingdon	204 (+4)	<mark>588</mark>	25.8		451.6
Somerset	32 (+0)	<mark>1129</mark>	2.8	1 (+0)	43.3
Regionwide	358 (+8)	6338 (+311)	5.3	3 (+0)	82.1(+1.8)
Pennsylvania	60622 (+986)	259210 (+7651)	19.0	4342 (+124)	473.3 (+9.5)

CURRENT SITUATION:

- The report that Blair County has a single case reported in resident of a single LTC facility was again an error. There are no identified cases in LTC's in Blair County.
- Huntingdon County has a single positive case in an employee of a LTC
- Blair County COVID case in long term care (LTC) facility reported yesterday was in error. Blair County currently has no reported cases in LTC's.
- Huntingdon County has seen a doubling in their number of cases within the past three days due to an outbreak at SCI Huntingdon
- All of the counties in our region remain in the red phase
- Both Blair and Cambria counties are reporting one (1) COVID-19 case identified in a resident of a long-term care facility each.
- Increases in numbers of cases within the region remains concerning.
- The entire state of Pennsylvania remains under a "Stay at Home" order until at least May 8, 2020
- EMS providers remain at increased risk of contracting COVID-19
- Personal protective equipment (PPE) supplies and replacement pipeline remain impaired
- Governor Wolf and Secretary Levine issued order to address worker safety effective at 20:00 on April 19, 2020 that addresses actions that businesses must take to address issues related to COVID-19. The order can be found at this link.
- All Pennsylvania schools will remain closed through the end of the academic year.
- Pennsylvania is currently under an order that masks should be worn in public.
- Every county in Pennsylvania is now reporting at least one (1) confirmed case of COVID-19

- SAEMS continues to monitor the rapidly developing situation and review and respond to questions and concerns, distribute new and updated information as it becomes available and communicate with the Pennsylvania Department of Health, Bureau of EMS (BEMS), Keystone Health Care Coalition (HCC) South West Health Care Coalition (SWHCC) and regional emergency management agency (EMA) coordinators.
- Daily situation reports will be distributed to all agencies, facilities, and county EMA Coordinators on weekdays, on weekends as the situation requires, and additional updates as needed.

DATA and GRAPHICS

PA Department of Health:

- Pennsylvania DOH COVID-19 Daily Status Report
- Pennsylvania DOH Hospital Data Dashboard
- Pennsylvania DOH-COVID-19 Trajectory Animations
- Hospital and Healthcare Association of PA Hospital Status Dashboard (NEW)

Southern Alleghenies EMS Council Dashboards

- **ு SAEMS: PA COVID-19 Map Dashboard**
- SAEMS Dashboard-Pennsylvania COVID-19 Cases over Time
- SAEMS Dashboard: 2020 EMS Call Volume by Day
 * SAEMS Dashboard: 2020 EMS Call Volume by Week

KEY POINTS AND UPDATES

The National EMS Memorial Service will conduct the National EMS Moment of Silence on Saturday, May 16, 2020. It will begin at 1800 (6:00 PM) Eastern Daylight Time with a Facebook live-streamed reading of the names of the 24 Honorees originally planned for the 2020 Service, followed by an acknowledgement of those continuing to serve today and will culminate in a national moment of silence in a salute to all. (Information Attached)

Bedford, Blair, Cambria, Fulton and Somerset moved into the yellow phase today. EMS agencies should ensure that they maintain situational awareness and maintain a high level of suspicion for COVID-19 patients. The change in phase does not mean there is any less risk from the virus. EMS crews should continue to use PPE for every response and should continue to wear mask at their station and in vehicles. The greatest risk for spread in emergency responders is other emergency responders.

- CDC distributed CDCHAN-00432: Multisystem Inflammatory Syndrome in Children (MIS-C) Associated with COVID-19 addressing and establishing a case definition for the inflammatory syndrome being identified in pediatric patients (Copy Attached).
- Free disinfection of N95 masks is available for first responders. If you agency has a need and are interested, please contact your county EMA coordinator for additional information.
- Free webinar from NHTSA Monday, May 18, 2020 at noon COVID-19 Clinical Rounds
 EMS: Patient Care and Operations
- Governor Wolf announces 12 more counties will move to the yellow phase on May 22, 2020 including Adams, Beaver, Carbon, Columbia, Cumberland, Juniata, Mifflin, Perry, Susquehanna, Wyoming, Wayne and York.

Prior Guidance and Information:

- The US Centers for Disease Control and Prevention is preparing to release an alert warning healthcare providers to be on the lookout for a rare but dangerous inflammatory syndrome in children that could be linked to coronavirus infection and requiring reporting.
 - * News reports indicate cases have been identified in 18 states including Pennsylvania.
- Staff attended fit-testing train the trainer program and can provide support to agencies with their fit testing programs.
- The PA DOH distributed the first 1200 doses of the investigational antiviral medication remdesivir to fifty-one hospitals in Pennsylvania based on the number of COVID-19 patients over the preceding seven days, and the severity of those patients based on ventilator utilization.
- ♣ Department of Health distributed: (Copies Attached)
 - * Updated Hospital Guidance 20200515
 - * Interim Nursing Care Facility Guidance 20200512
 - * Overview of Long-Term Care Strategy
 - * PA HAN-508-5-12-Advisory: Test Based Strategies for Preventing Transmission of the Virus that Causes COVID-19 in Skilled Nursing Facilities
- Created new dashboard to demonstrate decrease in EMS call volume by week since January 1, 2020.
- PA Department of Health issued <u>Health Alert 506-05/11/202 Pediatric Multisystem</u> Inflammatory Syndrome
- Pennsylvania DOH issued Guidance on COVID-19 for Healthcare Providers in Pennsylvania (Copy Attached)
- Submitted questions related to EMS providers who continue to test positive for COVID-19 multiple times despite being asymptomatic for at least 14 days and nearly 30 days since first symptomatic and testing. Direction from PA DOH Epidemiology indicates those providers can be released to return to work, but should ensure masking at all times as a precautionary measure.
- Continued discussions and conference calls related to COVID-19 outbreak at SCI Huntingdon involving both inmates and CO's
 - * Conference call conducted with medical staff for SCI Huntingdon.
 - * Utilization of ventilators for COVID positive patients has increased from 4 to 6. Unknown if this is related to SCI Huntingdon outbreak.
 - * Case count for Huntingdon County has increased to 187
 - * EMS response and transport remains of concern in the event of multiple transports in a short period of time or transport to facilities other than the closest hospital. This concern increases as the number of cases increases significantly.

- * Concerns have been expressed that there are not frequent communications and standardized information updates involving outside supporting agencies.
- * At least two situations have been identified to our office related to potential exposures related to SCI Huntingdon
- Governor Wolf announced that 13 additional counties will be transitioning to the yellow phase next week, including the counties of Allegheny, Armstrong, Bedford, Blair, Butler, Cambria, Fayette, Fulton, Greene, Indiana, Somerset, Washington and Westmoreland. Counties in the SAEMS region are in red text.
- PA Bureau of EMS distributed EMS Information Bulletin 2020-21: Statewide ALS Protocol Updates Including Interim COVID-19 Treatment Changes (Copy Attached) Click for the Revised ALS Protocols
- The National Registry of EMT's announced that effective May 12, 2020, candidates for the EMT or AEMT cognitive exam can register to take an online proctored certification exam. Paramedics are not eligible for the online proctored exam at this point. More Information.
- AND NHTSA WEBINAR-Monday, 5-11-2020 12:00 EDT EMS: Patient Care and Operations
- The FDA has pulled approval for dozens of KN95 mask makers in China after tests show they do not meet N95 standards:
 - * FDA Letter
 - * Updated Appendix A
 - * CDC Recommendations for Respirators
- Continued discussions and conference calls related to COVID-19 outbreak at SCI Huntingdon involving both inmates and CO's
 - * As of this morning, 108 inmates had tested positive for COVID-19 at SCI Huntingdon, an increase of at least 49 cases.
 - * At last report, six (6) COVID positive inmates are currently receiving oxygen. Inmates are being treated at SCI Huntingdon unless they are unable to maintain adequate oxygen saturations on oxygen.
 - * Two (2) inmates are currently hospitalized on ventilators.
 - * 32 correctional officers and other staff have also tested positive. Staff are being released to home for quarantine if symptomatic or positive test. Concerns that this could potentially result in additional community spread.
 - * Discussion of possible use of air medical transport to transfer patients from SCI Huntingdon to alternate hospitals, but discussions have occurred on whether that would be an appropriate method of transportation.
- Self-employed and others can now file for backdates pandemic unemployment assistance benefits
- PA BEMS distributed <u>EMS Information Bulletin 2020-20: Use of Out of State EMS Providers</u> (copy attached)
- Department of Health distributes Information for Families of Nursing Care Facilities Staff and Residents FAQ (copy attached)
- Updated <u>SAEMS Dashboard-Pennsylvania COVID-19 Cases over Time</u> to include 7- and 14-day moving averages for changes in case counts
- Investigations are occurring into pediatric multi-system inflammatory syndrome potentially associated with Coronavirus disease (COVID-19) in children. Health Advisory from New York State DOH.
- Gov. Wolf Outlines Plans to Create Commonwealth Civilian Coronavirus Corps to Support Fall COVID-19 Recovery Efforts
- Gov. Wolf Signs Executive Order to Provide Civil Immunity for Health Care Providers
- The Governor's Office, DCED and BEMS announced that in-person workforce training, including EMS training may resume statewide beginning May 8, 2020 under certain parameters. Additional information and guidance to follow.

- GUIDANCE FOR BUSINESSES PERMITTED TO OPERATE DURING THE COVID-19
 DISASTER EMERGENCY TO ENSURE THE SAFETY AND HEALTH OF EMPLOYEES
 AND THE PUBLIC
- Free N95 Decontamination system for healthcare facilities, first responders now available
- PA DOH distributed "Directing Building and Safety Measures" FAQ's (Copy Attached)
- PA DOH distributed <u>504 05/04/20 UPD UPDATE Interim Guidance on Discontinuing</u>
 Non-Healthcare Isolation for Persons with COVID-19 (Copy Attached)
- NHTSA shared "BURNOUT, SELF-CARE & COVID-19 EXPOSURE FOR FIRST RESPONDERS" (Copy Attached
- Most guidance and information prior to April 30, 2020 has been archived and will be posted to the Southern Alleghenies EMS Council website (www.saems.com) for referral and reference. We are seeking to maintain the daily report at a manageable size that can be quickly reviewed for pertinent information that you can use on a daily basis during the COVID-19 pandemic.
- Pa DOH released the following Health Alerts. EMS agencies should review Alter #501 for use in determination of return to work for COVID positive EMS providers:
 - * <u>2020 PAHAN 501 05-01- UPD UPDATE: Return to Work for Healthcare</u> Personnel with Confirmed or Suspected COVID-19 (Copy Attached); and
 - * <u>2020 PAHAN 502 05-01-ADV ADVISORY: Discontinuation of Transmission-Based Precautions for Patients with COVID-19</u> (Copy Attached)
- Gov. Wolf Announces Reopening of 24 Counties Beginning May 8. Counties in the north-eastern and north-central parts of the state will be moved from Red status to Yellow Status
- Governor signed Act 17 of 2020 that addresses multiple issues, but also included a measure that BLS ambulances could request waiver of staffing requirements. The Act is not effective for 60 days, and agencies should continue to follow the guidance in EMS Information
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- CDC and EPA published Reopening Guidance for Cleaning and Disinfecting Public Spaces, Workplaces, Businesses, Schools, and Homes with two reference documents:
 - * Cleaning and Disinfecting Decision Tool
 - * Reopening Guidance for Cleaning and Disinfecting
- Webinar: COVID-19 Clinical Rounds-EMS Patient Care and Clinical Operations Webinar May 4, 2020 at 12:00-Registration Required
- Webinar: COVID: Supporting First Responders & Frontline Workers (brochure attached)-
- PA Department of Health distributed COVID-19 Guidance on Distribution of Personal Protective Equipment (PPE), Updated 4/27/20 explaining the process for PPE distribution by DOH and PEMA (Copy Attached)

Activities:

- Monitored daily DOH and Federal press briefings
- Updated Daily Situation Report
- Updated regional COVID-19 and EMS call volume data dashboards
- ♣ Participated in Blair County COVID-19 Task Force conference call
- ♣ Participated in DOH/HAP Healthcare Status conference call
- ♣ Participated in Region 13 hospital conference call
- Participated in Montgomery County (PA) medical advisory committee webinar on response to COVID-19.
- Proctored 2 exams for NREMT certification candidates
- Participated in SCMTF Executive Committee conference call.
- Conducted NREMT cognitive exam for one (1) candidate.

- Participated in South Central Mountains (SCMTF) task force EMS committee meeting
- Participated in Blair County Health Care Leadership conference call
- Participated in Keystone Health Care Coalition conference call
- Participated in statewide acute care and healthcare update conference call
- Participated in EMS and COVID-19 Testing webinar
- Participated in Psychological First Aid related to COVID-19 webinar
- Participated in conference call with vendor regarding longitudinal tracking of EMS exposures
- Discussion with Bureau of EMS related to prehospital utilization of ventilators
- Participated in NHTSA webinar on EMS Operations related to COVID-19
- ♣ Participated in conference call related to situation at SCI Huntingdon
- Blair County EMS conference call postponed due to conflicting conference call.
- Participated in Blair County COVID taskforce conference call
- Participated in Cambria County EMS conference call
- Participated in conference call with EMS agencies regarding COVID response and transport
- Participated in conference call with Region 13 hospitals
- Participated in BEMS conference call
- Exchanged information with Huntingdon County EMA
- ♣ Participated in SCMTF conference call regarding SCI Huntingdon
- Participated in State-wide healthcare conference call on COVID-19 activities
- Administered cognitive exam for one EMS student
- Supported Center for Independent Living with food logistics
- Conducted Person Vue/NREMT examination process for two EMS candidates
- Participated in PEMA webinar
- Participated in Blair County Healthcare Leadership conference call
- Participated in daily touchpoint conference call related to SCI Huntingdon
- Coordinated and participated in conference call with Huntingdon County EMA and Huntingdon Ambulance related to current and anticipated transport capabilities.
- Participated in Blair County EMS conference call.
- Participated in SCMTF EMS Committee conference call related to SCI Huntingdon situation.

Daily Reminders:

- Agencies and providers should be utilizing a minimum of a surgical/procedure mask, eye protection and gloves on every call, regardless of nature, and should be placing a surgical/procedure mask on any patient that can tolerate it immediately upon patient contact. Use of surgical or social cloth masks should be used while in station and at any time you reasonably expect to be within six (6) feet of another person for more than a few minutes.
- Agencies with personnel considered exposed to a COVID-19 patient or employee directed to self-isolate for 14-day period should notify our office.
- All EMS providers should be documenting on their patient care reports (PCR's) the names of providers and other emergency responders on scene, the personal protective equipment (PPE) that was worn, and possible COVID-19 symptoms and any possible exposures to confirmed, presumptive or possible COVID-19 patients.
- Agencies that implement any of the staffing exceptions contained in EMSIB 2020-11 must notify our office and their agency medical director within 24-hours of initiation.
- Pennsylvania Bureau of EMS distributed EMS Information <u>Bulletin 2020-17 Temporary Statewide BLS Non-Transport of Patients with Suspected COVID-19 Protocol (#932).</u> The protocol permits non-transport and home care for patients who meet certain criteria without contact with medical command for permission if and only if the patient agrees to non-transport. Agency medical directors must notify our office if they intend to permit their agencies to use this protocol, identify resources for patient follow-up and agree to 100% quality improvement review (Copy Attached).

- Any EMS provider who tests positive for COVID-19 should receive the information contained in PA HAN 493-04/06/20-ALT-ALERT Notification of COVID-19 Test Results to Patients as well as COVID-19 Close Contact Checklist and COVID-19 Patient Instructions for Self Isolation While Awaiting Lab Results.
- UPDATED GUIDANCE-New Health Alert Issued April 21 2020: Any EMS provider that has tested positive for COVID-19 should work with their agency and the agency medical director to determine fitness to return to duty utilizing guidance from 499-4/21/20 ALT ALERT Return to Work for Healthcare Personnel with Confirmed or Suspected COVID-19 which indicates a testing-based strategy is preferred and an employee should be excluded from work until:
 - * Resolution of fever without the use of fever-reducing medications and
 - * Improvement in respiratory symptoms (e.g., cough, shortness of breath), and
 - * Negative results of an FDA Emergency Use Authorized molecular assay for COVID-19 from at least two consecutive nasopharyngeal swab specimens collected ≥24 hours apart (total of two negative specimens) [1]. See Interim Guidelines for Collecting, Handling, and Testing Clinical Specimens for 2019 Novel Coronavirus (2019-nCoV).
- All essential businesses (including EMS agencies) are required to follow the updated guidance from the Secretary of Health related to protection of personnel and customers, which included requirements that businesses must require their employees to wear a mask at all times while on premises.
- The Bureau of EMS distributed EMS Information Bulletin 2020-19: Revised Interim Guidance for Cardiac Arrest Treatment by EMS in a Patient with Suspected COVID-19, which supersedes and replaces EMS Information Bulletin 2020-18. Every EMS Agency Medical Director should work with their stakeholders to operationalize appropriate recommendations from EMS IB 2020-19 to best fit their local situation. (Copy Attached)

Planned Activities:

- DOC conference call scheduled for Monday, 5/11 regarding SCI Huntingdon
- Continue monitoring SCI Huntingdon situation and provide information updates to stakeholders
- Continue distribution of guidance and information as available to support EMS and healthcare operations
- Distribution of daily status updates
- Continued coordination with DOH, BEMS EMS agencies, hospitals and EMA's
- Conference calls scheduled for Monday for situational awareness
- Follow-up and touchback to Huntingdon County EMA and Huntingdon EMS regarding current and anticipated call volume, capabilities to respond and transport COVID-19 patients related to Huntingdon SCI

Challenges:

- Lack of central coordination between entities regarding missions and tasking.
- Repetitious phone calls, emails and conference calls seeking similar or the same information.
- Multitude of coordinating calls without input or participation of DOC at local level.

New and Updated CDC Guidance:

43 CDCHAN-00432: Multisystem Inflammatory Syndrome in Children (MIS-C) Associated with COVID-19

Interim Infection Prevention and Control Guidance for Veterinary Clinics During the COVID-19 Response

PA Bureau of EMS Guidance and Information Bulletins:

- Pennsylvania BLS Protocols Protocol 931-Suspected Influenza Like Illness
- EMSIB 2020-01: Novel Coronavirus 2019-nCoV
- **△** EMSIB-2020-02 Infection Control
- EMS Information Bulletin 2020-06: COVID -19 Policy and Protocol Updates
- EMS IB 2020-07: Alternate Pathway for Psychomotor Testing

- EMSIB 2020-10 EMS Providers Obtaining Nasopharyngeal Swabs (PDF)
- EMSIB 2020-12 PCR Data Collection for Exemptions Outlined in EMSIB 2020-11 (PDF)
- EMSIB 2020-13 Alternatives to Nebulized Bronchodilators During COVID-2019 (PDF)
- EMSIB 2020-14 COVID-2019 Lapse of Registration Regulatory Exception (PDF)
- EMSIB 2020-17 Temporary Statewide BLS Non-transport of Patients with Suspected COVID-19 Protocol (#932) (PDF)
- EMSIB 2020-18 Cardiac Arrest Treatment by EMS in a Patient with Suspected COVID-19 (PDF)

New and Updated PA DOH Health Alerts and Guidance

- <u>43</u> <u>2020 − PAHAN − 501 − 05-01- UPD UPDATE: Return to Work for Healthcare Personnel with Confirmed or Suspected COVID-19</u> (Copy Attached); and
- <u>2020 − PAHAN − 502 − 05-01-ADV ADVISORY: Discontinuation of Transmission-Based Precautions for Patients with COVID-19</u> (Copy Attached)

Continuing Updates:

PA DOH Coronavirus Updates

PA 2020 Health Alerts, Advisories and Updates

CDC Coronavirus Updates

World Health Organization WHO Coronavirus Updates
WHO Daily Situation Reports

Johns Hopkins COVID-19 Dashboard

If you know of someone who should be receiving this report, please forward name and email address to ldriscoll@saems.com.

Current and historical status reports are posted on our website at www.saems.com.







2020 National EMS Moment of Silence Participant Information Sheet

These are unprecedented times for our world, our nation, and our collective first responder communities. The COVID-19 pandemic has affected virtually every aspect of our lives. This includes efforts by the organizations dedicated to honoring EMS personnel for their service and especially for those who have fallen in the line of duty. While this ruthless virus keeps us physically apart, we can still join together to make sure these heroes and their families receive the acknowledgment they deserve.

The National EMS Memorial Bike Ride (NEMSMBR), the National EMS Memorial Foundation (NEMSMF), and the National EMS Memorial Service (NEMSMS) are coordinating the 2020 National EMS Moment of Silence and asking for broad participation. The Moment of Silence normally coincides with the annual National EMS Memorial Service which was postponed until next year due to COVID-19 precautions. With deep respect for the honorees and first responders who remain on the front lines, the National EMS Moment of Silence takes on greater importance as a meaningful reminder that the fallen will not be forgotten. It is a touchless, responsible, yet impactful means to pause and remember without taking away from the necessary work at hand.

The National EMS Moment of Silence will be observed on Saturday, May 16, 2020. It will begin at 1800 (6:00 PM) Eastern Daylight Time with a live-streamed reading of the names of the 24 Honorees originally planned for the 2020 Service, followed by an acknowledgement of those continuing to serve today and will culminate in a national moment of silence in a salute to all.

This endeavor provides an opportunity for anyone to honor and remember first responders and especially those EMS providers who have given their lives in the line of duty. It is also a way for the families and EMS colleagues of the fallen to feel the support of our nation. Normally during the Service, at a specified time, the screens fade to black and a simple message informs family members and other attendees that across the country radios are simultaneously broadcasting the message below as a unified show of support.

First responders, communications agencies and even members of the public wishing to participate are requested to observe 10-20 seconds of radio or general silence at the time indicated in the suggested script below.

[NOTE: ALL TIMES ARE EASTERN DAYLIGHT TIME. Please adjust as required for your time zone to coincide simultaneously. Also, time transmission of any alert/activation tones to begin speaking at the time indicated below.]

Begin script:

18:04:50 (Insert tones as applicable, then wait 5 seconds) (6:04:50 PM) "All units please stand by for a special message...

18:04:55 "Attention all units...

In conjunction with first responders across the nation and in recognition of the National EMS Memorial Service – an event that would be occurring now, but is postponed until next year due to continued COVID-19 efforts, this agency will observe a moment of radio silence in honor of our nation's Emergency Medical Services providers who have made the Ultimate Sacrifice, and given their lives in the line of duty. The fallen are not forgotten. We also pause in honor of those who continue to serve. Your commitment and sacrifice defy words and inspire us all.

Please stand by unless you have emergency traffic"

18:05:00 [Begin Moment of Silence]

18:05:20 "This concludes the moment of silence. Thank you. Please resume normal radio traffic."

:End script

Live streaming of this event will be provided on our Facebook page at www.facebook.com/NEMSMS. We respectfully encourage everyone to post participation to social media platforms using #moment2honor and #ultimatesacrifice.

Thank you for your continued efforts to honor our fallen EMS providers. For more information please contact The National EMS Memorial Service at www.national-ems-memorial.org or our partners at The National EMS Memorial Bike Ride at www.nemsmbr.org and The National EMS Memorial Foundation at www.nemsmbr.org and The National EMS Memorial Foundation at www.nemsmbr.org and The National EMS Memorial Foundation at www.nemsmbr.org and The National EMS Memorial Foundation at www.nemsmbr.org and The National EMS Memorial Foundation at www.nemsmbr.org and The National EMS Memorial Foundation at www.nemsmbr.org and The National EMS Memorial Foundation at www.nemsmbr.org and The National EMS Memorial Foundation at www.nemsmbr.org and The National EMS Memorial Foundation at www.nemsmbr.org and The National EMS Memorial Foundation at www.nemsmbr.org and The National EMS Memorial Foundation at www.nemsmbr.org and The National EMS Memorial Foundation at www.nemsmbr.org and The National EMS Memorial Foundation at www.nemsmbr.org and The National EMS Memorial Foundation at www.nemsmbr.org and The National EMS Memorial Foundation at www.nemsmbr.org and www.nemsmbr.org and www.nemsmbr.org and www.nemsmbr.org and <a href="https://www.nemsmbr.org and <a href="https://w

HAN Archive - 00432 | Health Alert Network (HAN)

Distributed via the CDC Health Alert Network May 14, 2020, 4:45 PM ET CDCHAN-00432

Summary

The Centers for Disease Control and Prevention (CDC) is providing 1) background information on several cases of a recently reported multisystem inflammatory syndrome in children (MIS-C) associated with coronavirus disease 2019 (COVID-19); and 2) a case definition for this syndrome. CDC recommends healthcare providers report any patient who meets the case definition to local, state, and territorial health departments to enhance knowledge of risk factors, pathogenesis, clinical course, and treatment of this syndrome.

Background

On April 26, 2020, clinicians in the United Kingdom (UK) recognized increased reports of previously healthy children presenting with a severe inflammatory syndrome with Kawasaki disease-like features. The cases occurred in children testing positive for current or recent infection by SARS-CoV-2, the novel coronavirus that causes COVID-19, based on reverse-transcriptase polymerase chain reaction (RT-PCR) or serologic assay, or who had an epidemiologic link to a COVID-19 case. Patients presented with a persistent fever and a constellation of symptoms including hypotension, multiorgan (e.g., cardiac, gastrointestinal, renal, hematologic, dermatologic and neurologic) involvement, and elevated inflammatory markers. Respiratory symptoms were not present in all cases.

Eight cases, including one death, from the UK were described in a recent publication.³ In the limited sample of 8 children, it was reported that 75% of the patients were of Afro-Caribbean descent and 62.5% were male. The report also indicated that all 8 patients tested positive for SARS-CoV-2 through antibody testing, including the patient that died.³

During March and April, cases of COVID-19 rapidly increased in New York City and New York State. In early May 2020, the New York City Department of Health and Mental Hygiene received reports of children with multisystem inflammatory syndrome. From April 16 through May 4, 2020, 15 patients aged 2-15 years were hospitalized, many requiring admission to the intensive care unit. As of May 12, 2020, the New York State Department of Health identified 102 patients (including patients from New York City) with similar presentations, many of whom tested positive for SARS-CoV-2 infection by RT-PCR or serologic assay. New York State and New York City continue to receive additional reports of suspected cases.

Additional reports of children presenting with severe inflammatory syndrome with a laboratory-confirmed case of COVID-19 or an epidemiological link to a COVID-19 case have been reported by authorities in other countries.⁴

It is currently unknown if multisystem inflammatory syndrome is specific to children

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or if it also occurs in adults.

There is limited information currently available about risk factors, pathogenesis, clinical course, and treatment for MIS-C. CDC is requesting healthcare providers report suspected cases to public health authorities to better characterize this newly recognized condition in the pediatric population.

Recommendations

Healthcare providers who have cared or are caring for patients younger than 21 years of age meeting MIS-C criteria should report suspected cases to their local, state, or territorial health department.

For additional information, please contact CDC's 24-hour Emergency Operations Center at 770-488-7100. After hour phone numbers for health departments are available at the Council of State and Territorial Epidemiologists website (https://resources.cste.org/epiafterhoursexternal icon).

Case Definition for Multisystem Inflammatory Syndrome in Children (MIS-C)

- An individual aged <21 years presenting with feverⁱ, laboratory evidence of inflammationⁱⁱ, and evidence of clinically severe illness requiring hospitalization, with multisystem (≥2) organ involvement (cardiac, renal, respiratory, hematologic, gastrointestinal, dermatologic or neurological); **AND**
- No alternative plausible diagnoses; AND
- Positive for current or recent SARS-CoV-2 infection by RT-PCR, serology, or antigen test; or COVID-19 exposure within the 4 weeks prior to the onset of symptoms

ⁱFever ≥38.0°C for ≥24 hours, or report of subjective fever lasting ≥24 hours ⁱⁱIncluding, but not limited to, one or more of the following: an elevated C-reactive protein (CRP), erythrocyte sedimentation rate (ESR), fibrinogen, procalcitonin, d-dimer, ferritin, lactic acid dehydrogenase (LDH), or interleukin 6 (IL-6), elevated neutrophils, reduced lymphocytes and low albumin

Additional comments

- Some individuals may fulfill full or partial criteria for Kawasaki disease but should be reported if they meet the case definition for MIS-C
- Consider MIS-C in any pediatric death with evidence of SARS-CoV-2 infection

References

¹https://www.cdc.gov/kawasaki/index.html

²Royal College of Paediatrics and Child Health Guidance: Paediatric multisystem inflammatory syndrome temporally associated with COVID-19, https://www.rcpch.ac.uk/sites/default/files/2020-05/COVID-19-Paediatric-multisystem-%20inflammatory%20syndrome-20200501.pdfpdf iconexternal icon.
³Riphagen S, Gomez X, Gonzales-Martinez C, Wilkinson N, Theocharis P. Hyperinflammatory shock in children during COVID-19 pandemic. Lancet. 2020. Advance online publication, doi: 10.1016/S0140-6736(20)31094

https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(20)31094-1/fulltextexternal icon

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⁴Verdoni L, Mazza A, Gervasoni A, Martelli L, Ruggeri M, Ciuffreda M, Bonanomi E, D'Anitga L. An outbreak of severe Kawasaki-like disease at the Italian epicentre of the SARS-CoV-2 epidemic: an observational cohort study. Lancet. 2020. Advance online publication, doi: 10.1016/S0140-6736(20)31129-6 https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(20)31103-X/fulltextexternal icon

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