



Indiana State Department of Health

Indiana Health Alert Network Notification – May 23, 2020

Reporting Multisystem Inflammatory Syndrome in Children (MIS-C)

The Centers for Disease Control and Prevention (CDC) released last week a health advisory regarding several reported cases of multisystem inflammatory syndrome in children (MIS-C) that have been associated with novel coronavirus disease 2019 (COVID-19). As of May 22, one confirmed case has been reported in Indiana.

To better characterize this newly-recognized condition in the pediatric population, healthcare providers and local health departments should report potential cases of MIS-C immediately upon first suspicion to the Indiana State Department of Health (ISDH) through the statewide surveillance system, NBS. Providers who do not have access to NBS should report directly to their local health departments. To report a suspected case, enter a Morbidity Report into NBS under the Multisystem Inflammatory Syndrome (MIS) condition. Deaths due to MIS-C should be reported immediately to the ISDH by calling the ISDH 2019 Novel Coronavirus/MIS-C Death Reporting Line at 765-860-6053.

All suspect cases reported through NBS are reviewed at ISDH; only cases that ISDH has confirmed according to the case definition below will be reported to the CDC. Providers who report suspect cases will be notified of case classification by ISDH.

Criteria from the CDC to evaluate patients for MIS-C are given below:

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 $\geq 38.0^{\circ}\text{C}$ 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



Indiana State Department of Health

Guidance on reporting a suspected MIS-C case or death is available here:

<https://www.coronavirus.in.gov/files/Reporting%20of%20Multisystem%20Inflammatory%20Syndrome%20in%20Children%205.15.20.pdf>.

For more COVID-19 resources from ISDH, visit <https://www.coronavirus.in.gov/>.

Please call the ISDH COVID-19 Provider Line at 877-826-0011, option 2 (new hours of 8 a.m. to 8 p.m., daily starting Tuesday, May 26), or the ISDH Epidemiologist-on-Call at 317-233-1325 (8 p.m. to 8 a.m., daily) with any questions regarding MIS-C or COVID-19.