



## Indiana State Department of Health

### Indiana Health Alert Network Notification – May 15, 2020

#### Multisystem Inflammatory Syndrome in Children (MIS-C) Associated with Coronavirus Disease 2019 (COVID-19)

On May 14, 2020, the Centers for Disease Control and Prevention (CDC) released a health advisory regarding several cases of a recently reported multisystem inflammatory syndrome in children (MIS-C) that has been associated with coronavirus disease 2019 (COVID-19). At this time, there is limited information available about risk factors, pathogenesis, clinical course and treatment for MIS-C. The CDC requests that healthcare providers report suspected cases to public health authorities to better characterize this newly-recognized condition in the pediatric population.

Starting May 18, 2020, the Indiana State Department of Health (ISDH) will enable the reporting of suspected MIS-C cases through the NBS statewide surveillance system. This is in addition to cases of COVID-19, which is already reportable. Providers who do not have access to NBS should report suspected cases directly to their local health departments. Until May 18, cases of MIS-C should be reported to ISDH by calling 877-826-0011 (8 a.m. to midnight, daily). Details on how to report a suspected case are included with this IHAN.

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

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

- An individual aged <21 years presenting with fever<sup>i</sup>, laboratory evidence of inflammation<sup>ii</sup>, and evidence of clinically severe illness requiring hospitalization, with multisystem ( $\geq 2$ ) 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

<sup>i</sup>Fever  $\geq 38.0^{\circ}\text{C}$  for  $\geq 24$  hours, or report of subjective fever lasting  $\geq 24$  hours

<sup>ii</sup>Including, 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

ISDH requires all mandated entities report any cases and deaths due to MIS-C to ISDH as soon as possible to provide timely intervention and direction to the state's response to this public health emergency.

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.

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

Please call the ISDH COVID-19 Provider Line at 877-826-0011 (8 a.m. to midnight, daily), or the ISDH Epidemiologist-on-Call at 317-233-1325 (midnight to 8 a.m., daily) with any questions regarding MIS-C or COVID-19.