



MULTI-SYSTEM INFLAMMATORY SYNDROME IN CHILDREN FAST FACTS

Michigan.gov/Coronavirus

Multisystem Inflammatory Syndrome in Children (MIS-C) is a condition where multiple organ systems become inflamed during illness. The cause of MIS-C is still unknown; however, it is known that MIS-C is associated with COVID-19. MIS-C is not contagious, but it is life-threatening and is indicative of previous exposure to someone with COVID-19, or infection with the virus that causes COVID-19. Providers are asked to maintain a high degree of suspicion for MIS-C in pediatric patients presenting with symptoms of Kawasaki Disease or ill individuals who have been previously exposed to COVID-19.

CLINICAL PRESENTATION AND SYMPTOMS OF MIS-C:

Presentation varies widely; symptoms may initially seem mild or vague but can progress rapidly. Per CDC guidelines, providers should have increased concern for MIS-C if:

<input checked="" type="checkbox"/>	Persistent fever > 24 hours
<input checked="" type="checkbox"/>	Elevated inflammatory markers in the blood
<input checked="" type="checkbox"/>	Positive PCR antibody test for SARS-CoV-2
<input checked="" type="checkbox"/>	Complete or partial overlap of symptom criteria of Kawasaki Disease
<input checked="" type="checkbox"/>	Child resides in area with community spread of COVID-19
<input checked="" type="checkbox"/>	Two or more organ systems involved: <ul style="list-style-type: none"> - Cardiac - Hematologic - Neurological - Renal - Gastrointestinal - Respiratory - Dermatologic

MIS-C CASE DEFINITION (CDC)

<input checked="" type="checkbox"/>	<21 years presenting with fever*, laboratory evidence of inflammation**, and evidence of clinically severe illness requiring hospitalization, with multisystem (≥ 2) organ involvement (cardiac, renal, respiratory, hematologic, gastrointestinal, dermatologic, or neurological); AND
<input checked="" type="checkbox"/>	No alternative plausible diagnoses; AND
<input checked="" type="checkbox"/>	Positive for current or recent SARS-CoV-2 infection by RT-PCR, serology, or antigen test; or exposure to a suspected or confirmed COVID-19 case within the 4 weeks prior to the onset of symptoms.

*Fever $\geq 38.0^{\circ}\text{C}$ for ≥ 24 hours, or report of subjective fever lasting ≥ 24 hours

**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.

REPORTING MIS-C

Report suspect and confirmed cases of MIS-C to your local health department. Visit Michigan.gov/Coronavirus for more information.