



National Indian Health Board NATIONAL TRIBAL COVID-19 RESPONSE

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COVID 19 & Multisystem Inflammatory Syndrome in Children

What is Multisystem Inflammatory Syndrome in Children?

Multisystem Inflammatory Syndrome in Children, or MIS-C, is a new health condition that causes different organs and body parts in youth to become dangerously inflamed, including the heart, lungs, kidneys, brain, skin, eyes, or gastrointestinal organs. The official cause is still unknown, however many of the children diagnosed with MIS-C had COVID-19 or been around somebody with COVID-19. The condition was first noticed on April 26, 2020, and currently there are cases in at least 20 states, and almost 150 cases in New York City alone. Some of these cases have proven fatal. Considered to be a rare condition, this illness is similar to Kawasaki Disease and Toxic Shock Syndrome.

What are the symptoms of MIS-C?

- Diarrhea
- Vomiting
- Rash
- Swelling in the hands and feet
- Conjunctivitis
- Abdominal pain
- Fever of 100.4 and higher
- Bloodshot eyes
- Neck pain
- Fatigue



How Can We Prevent Children From Getting MIS-C?

The best way to protect children from MIS-C is to protect them from getting COVID-19. This includes using face coverings, maintaining social/physical distance, properly washing hands with soap and water for at least 20 seconds, and seeking medical attention if suspected of being infected or exposed to coronavirus or if any of the above listed symptoms present itself.

What are Diagnostic Measures will Detect MIS-C?

- Blood tests
- Echocardiogram (ultrasound of the heart)
- Chest x-ray
- Abdominal ultrasound



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What is the Treatment for MIS-C?

Physicians are currently treating the symptoms with IV globulin immunotherapy, steroids, anti-coagulants, and anti-inflammatory medications.

References & Resources

- Centers for Disease and Prevention. For Parents: *Multisystem Inflammatory Syndrome in Children (MIS-C) associated with COVID-19*. <https://www.cdc.gov/coronavirus/2019-ncov/daily-life-coping/children/mis-c.html>
- Centers for Disease and Prevention. <https://www.cdc.gov/kawasaki/index.html>
- Riphagen S, Gomez X, Gonzales-Martinez C, Wilkinson N, & Theocharis P. (2020). *Hyper inflammatory shock in children during COVID-19 pandemic*. Lancet. Advance online publication, doi: 10.1016/S0140-6736(20)31094 [https://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(20\)31094-1/fulltextexternal icon](https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(20)31094-1/fulltextexternal icon)
- Centers for Disease and Prevention. *Multisystem Inflammatory Syndrome in Children (MIS-C) associated with Coronavirus Disease 2019 (COVID-19)*. <https://emergency.cdc.gov/han/2020/han00432.asp>

Disclaimer:

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