

# 117 cases of multisystem inflammation syndrome in children identified during 2023

March 15 2024, by Elana Gotkine

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In 2023, 117 cases of multisystem inflammation syndrome in children (MIS-C) were reported, with 26 percent of patients having onset during

August to October, according to [research published](#) in the March 14 issue of the U.S. Centers for Disease Control and Prevention *Morbidity and Mortality Weekly Report*.

Anna R. Yousaf, M.D., from the CDC in Atlanta, and colleagues describe 2023 MIS-C cases and compare them to cases reported earlier in the COVID-19 pandemic.

The researchers found that 117 MIS-C patients had illness onset in 2023, and of these patients, 31 (26 percent) had onset during August to October, following increased COVID-19 activity earlier in the summer. This finding represented an increase of two-thirds in case counts compared with the 19 cases (16 percent) reported during the previous three-month period.

In 2023, the overall incidence of MIS-C was 0.11 cases per million person-months, representing an 80 percent decrease compared with April to December 2022 (0.56 cases per million person-months).

Overall, 58 percent of the MIS-C patients with illness onset in 2023 had no underlying medical conditions. Ninety-six percent of the [patients](#) were age-eligible for COVID-19 vaccination, but only 18 percent had received any COVID-19 vaccine.

"Clinicians should recognize that MIS-C might occur, especially during and after periods of increased COVID-19 activity, and should be familiar with treatment guidelines," the authors write.

**More information:** Anna R. Yousaf et al, Notes from the Field: Surveillance for Multisystem Inflammatory Syndrome in Children—United States, 2023, *MMWR. Morbidity and Mortality Weekly*

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