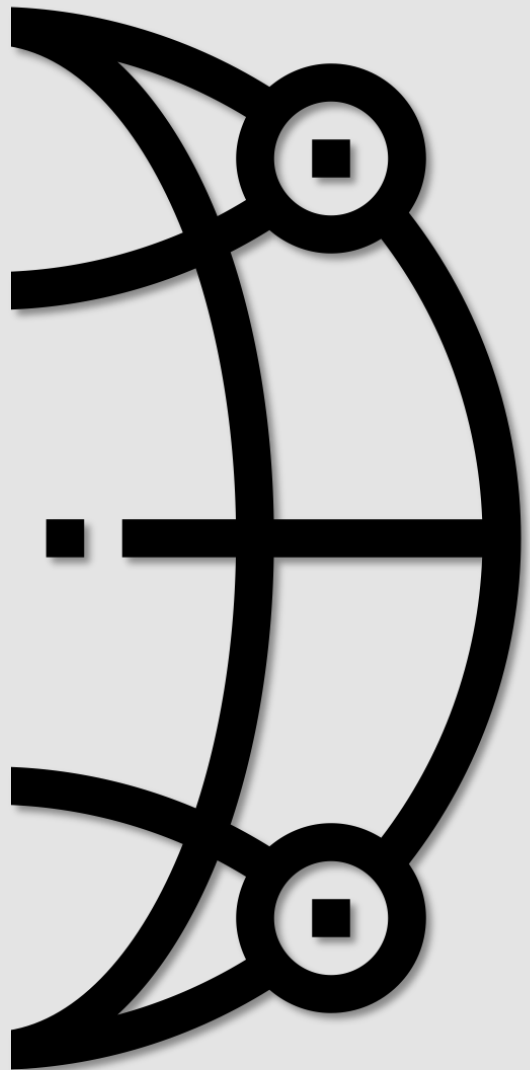


# Multisystem Inflammatory Syndrome in Children Associated with COVID-19 in Washington State

June 10, 2022



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# Overview

This report contains information on cases reported through May 31, 2022.

Multisystem inflammatory syndrome in children (MIS-C) is a condition that causes inflammation in different body parts, including the heart, lungs, kidneys, brain, skin, eyes, or gastrointestinal organs. Children with MIS-C may have a fever and symptoms such as abdominal (gut) pain, vomiting, diarrhea, neck pain, rash, bloodshot eyes, or feeling extra tired. We do not yet know what causes MIS-C, but it is a syndrome associated with COVID-19. Children with MIS-C had the virus that causes COVID-19 or had been around someone with COVID-19.

The case definition of MIS-C is:

- Under the age of 21, with a fever, laboratory evidence of inflammation, and severe illness involving more than two organs that requires hospitalization; AND
- No other plausible diagnoses; AND
- Positive COVID-19 test (PCR, antigen, or serology) or exposure to a confirmed case within the four weeks prior to the onset of symptoms.

See the US Centers for Disease Control website for [national MIS-C case reporting](#).

Healthcare providers should report patients meeting MIS-C criteria to their [local public health agency](#).

We monitor the vaccine status of all MIS-C cases. No MIS-C cases reported in Washington in 2020 or 2021 had received COVID vaccine. In 2022, three cases of MIS-C have been identified in children who had received COVID vaccine prior to the onset of their COVID-related illness. No deaths have occurred among children who had MIS-C.

## Cases reported in Washington

A total of 113 confirmed cases of MIS-C have been reported in Washington as of May 31, 2022. Please note that this information may change as healthcare providers and facilities identify additional cases that were not previously reported to public health.

The table below shows reported MIS-C cases in Washington by age county of residence.

**Table 1 MIS-C cases reported to date in WA by county**

County in Washington	2020	2021	2022 YTD	Total
Benton	0	2	0	2
Chelan	1	0	0	1
Clark	0	2	0	2
Cowlitz	0	1	0	1
Douglas	1	1	0	2
Franklin	2	1	0	3
Grant	0	5	1	6
Island	0	2	1	3
King	10	13	5	28
Kitsap	2	1	0	3
Kittitas	0	1	0	1
Lewis	2	0	0	2
Mason	1	0	0	1
Pierce	4	5	2	11
Skagit	2	0	1	3
Snohomish	5	7	4	16
Spokane	1	10	2	13
Thurston	0	2	0	2
Whatcom	1	2	1	4
Yakima	3	5	1	9
<b>Total</b>	<b>35</b>	<b>60</b>	<b>18</b>	<b>113</b>

Ages of reported MIS-C cases in Washington range from 0-19 years (median 8 years, mean 9 years).

The table below shows reported MIS-C cases in Washington by age range.

**Table 2 MIS-C cases reported to date in WA by age range**

Patient age range	Number of reported cases of MIS-C (percent)			
	2020	2021	2022 YTD	Total
<b>0-9 years</b>	19 (54.3%)	39 (65.0%)	13 (72.2%)	71 (62.8%)
<b>10-20 years</b>	16 (45.7%)	21 (35.0%)	5 (27.8%)	42 (37.2%)
<b>Total</b>	<b>35 (100.0%)</b>	<b>60 (100.0%)</b>	<b>18 (100.0%)</b>	<b>113 (100.0%)</b>

The table below shows reported MIS-C cases in Washington by patient sex at birth.

**Table 5 MIS-C cases reported to date in WA by patient sex at birth**

Patient sex at birth	Number of reported cases of MIS-C (percent)			
	2020	2021	2022 YTD	Total
<b>Female</b>	15 (42.9%)	28 (46.7%)	6 (33.3%)	49 (43.4%)
<b>Male</b>	20 (57.1%)	32 (53.3%)	12 (66.7%)	64 (56.6%)
<b>Total</b>	<b>35 (100.0%)</b>	<b>60 (100.0%)</b>	<b>18 (100.0%)</b>	<b>113 (100.0%)</b>

The table below shows reported MIS-C cases in Washington by patient ethnicity.

**Table 3 MIS-C cases reported to date in WA by patient ethnicity**

Patient ethnicity	Number of reported cases of MIS-C (percent)			
	2020	2021	2022 YTD	Total
<b>Hispanic</b>	15 (42.9%)	15 (25.0%)	2 (11.1%)	32 (28.3%)
<b>Non-Hispanic</b>	18 (51.4%)	41 (68.3%)	15 (83.3%)	74 (65.5%)
<b>Unknown</b>	2 (5.7%)	4 (6.7%)	1 (5.6%)	7 (6.2%)
<b>Total</b>	<b>35 (100.0%)</b>	<b>60 (100.0%)</b>	<b>18 (100.0%)</b>	<b>113 (100.0%)</b>

The table below shows reported MIS-C cases in Washington by patient race.

**Table 4 MIS-C cases reported to date in WA by patient race**

Patient race	Number of reported cases of MIS-C (percent)			
	2020	2021	2022 YTD	Total
<b>American Indian and Alaska Native</b>	1 (2.9%)	0	1 (5.6%)	2 (1.8%)
<b>Asian</b>	2 (5.7%)	4 (6.7%)	1 (5.6%)	7 (6.2%)
<b>Black or African American</b>	3 (8.6%)	6 (10.0%)	2 (11.1%)	11 (9.7%)
<b>Native Hawaiian and Pacific Islander</b>	2 (5.7%)	0	0	2 (1.8%)
<b>White</b>	18 (51.4%)	27 (45.0%)	11 (61.1%)	56 (49.6%)
<b>Other</b>	2 (5.7%)	7 (11.7%)	1 (5.6%)	10 (8.8%)
<b>Multiracial</b>	0	3 (5.0%)	1 (5.6%)	4 (3.5%)
<b>Unknown</b>	7 (20.0%)	13 (21.7%)	1 (5.6%)	21 (18.6%)
<b>Total</b>	<b>35 (100.0%)</b>	<b>60 (100.0%)</b>	<b>18 (100.0%)</b>	<b>113 (100.0%)</b>

The chart below displays all reported MIS-C cases in Washington by month of illness onset. These data are subject to change as we obtain additional information on cases.

