

Multisystem Inflammatory Syndrome In Children (MIS-C) Associated with SARS-CoV-2 Infection Case Report Form

This case report form should be completed on any patient who meets the criteria listed under "Section 1 - MIS-C Inclusion Criteria". All completed case report forms should be faxed to (609)-292-5811 or sent via secure email to pedcov@doh.nj.gov. The NJDOH team will review the form for missing information and coordinate medical records request and conduct chart abstraction if necessary. The highlighted sections on the next page before Section 1 (CDC MIS ID, Health Department ID, NCOV ID, NNDSS ID, Abstractor name and Date of abstraction) can be left blank and will continue to be filled out by CDS staff.

PROVIDER INFORMATION		
Hospital Name:	Date form completed:	//
Name of person completing form:		Title:
Phone Number: ()	Email:	

PATIENT INFORMATION	
Patient Name:	Patient Date of Birth: / //
Patient Mailing Address:	
Patient Phone Number: ()	Medical Record #:



CDC MIS I	D (REQUIRED):		Health Department ID:		NCOV ID (if available):
NNDSS ID:		Abstractor name:			Date of abstraction:
SECTIO	N 1 – MIS-C	INCLUSION CRITERI	Α		
1. Did th	e patient mee	et all inclusion criteria fo	r case ascertainment? Ye	s No	
1.1	Age <21 year	Ϋ́S			
1.2	Subjective or	documented fever (≥38.0)°C)		
1.3	Illness with c	linical severity requiring he	ospitalization or resulting in death		
1.4	A more likely	alternative diagnosis is no	ot present		
1.5	C-reactive pr	otein ≥3.0 mg/dL (30 mg/	L)		
1.6	1.6.1 Car or tr 1.6.2 Muc	roponin elevated above la cocutaneous involvement extremity findings	d by left ventricular ejection fracti aboratory normal range or indicate	d as elevate	pronary artery dilatation, aneurysm, or ectasia; d in a clinical note ucosa, conjunctivitis or conjunctival injection,
	1.6.4 Gas	strointestinal involvement	indicated by abdominal pain, vom cated by platelet count <150,000 o	-	rhea osolute lymphocyte count (ALC) <1,000 cells/µL
1.7	1.7.1Pos1.7.2Pos1.7.3Dete1.7.4Close	sitive viral test (i.e., NAAT/ sitive viral test (i.e., NAAT/ ection of SARS-CoV-2 sp se contact with a confirm	V-2 infection or epidemiologic link PCR or antigen) during hospitaliza PCR or antigen) in a post-mortem recific antibodies associated with ed or probable case of COVID-19 lerlying cause of death or a signific	ation or within specimen current illnes disease in th	s ne 60 days prior to hospitalization
SECTIO	N 2 – PATIEI	NT DEMOGRAPHICS	AND MEDICAL HISTORY		
Patient	Demographics	s:			
2.1	State of Res	idence:			
2.2	Patient zip c	ode/postal code (primary	v residence):		
2.3		(<i>MM/DD/YYYY</i>):			
2.4	Age:				
2.5	Sex: Male				
2.6	Ethnicity:	Hispanic or Latino	Not Hispanic or Latino Re	efused or Un	known
2.7	-		re than one option as necessary):		
	2.7.1 Whi			Asian	
		ck or African American erican Indian or Alaska Na	2.7.6 ative 2.7.7	Other Ra Unknowi	
		ive Hawaiian or other Pac		Onknown	
2.8	Height:	cm			
2.9	Weight:	kg			
2.10	BMI:				
Underlyi	ing conditions	<u>)</u>			
	2.11.1	No underlying medical c		2.11.6	Cardiovascular condition
	2.11.2 2.11.3 2.11.4 2.11.4.1 2.11.4.2	Immunosuppressive disc Obesity Diabetes mellitus Type 1 Type 2	order/malignancy	2.11.7 2.11.8 2.11.9 2.11.10	Sickle cell disease Chronic lung disease (including asthma) Other congenital malformations Other, specify:
	2.11.5	Neurologic/neuromuscul	lar or developmental condition		
Other m	edical history	<u>"</u>			
2.12			following at least 90 days prior to	developing t	heir current MIS-C illness?
	2.12.1	Kawasaki Disease	Date of diagnosis (MM/DD/YY)	Y):	
	2.12.2	MIS-C	Date of diagnosis (MM/DD/YY)	Y):	

SECTIO	N 3 – CL	LINICAL SIGNS AND SYMPTOMS	
Illness L	Details:		
3.1	Did pati	tient have close contact with an individual with COVID-19 within 60 days prior to hospitalization:	Yes No
	3.1.1 lf	yes, first date of contact (MM/DD/YYYY): Date unknown	
3.2		date of symptoms that led to hospitalization for MIS-C (MM/DD/YYYY):	
3.3.		al admission date (MM/DD/YYYY):	
5.5.			
	3.3.1	Number of days in the hospital:	
3.4	Admitte	ed to the ICU? Yes No	
3.5	Patient	outcome: Died Discharged Still admitted	
	3.5.1	Hospital discharge or death date (MM/DD/YYYY):	
<u>3.6 Sign</u>	ns and sy	mptoms associated with MIS-C illness	
	3.6.1	Mucocutaneous 3.6.3 Respiratory	
		Rash Cough	
		Inflammation of oral mucosa Shortness of breath	
		Conjunctival injection 3.6.4 Gastrointestinal	
		Abdominar pan	
	3.6.2	Neurologic Vomiting Meningismus/meningeal signs Diarrhea	
		Altered montal status	
		Altered mental status 3.6.5 Other Headache Neck pain	
		Chest pain/tightness	
SECTIO	N 4 – L/	ABORATORY STUDIES	
<u>4.1 Labo</u>	oratory S		
	4.1.1	Elevated troponin	
	4.1.2 4.1.3	Elevated BNP/NT-pro BNP Elevated AST	
	4.1.4	Elevated ALT	
	4.1.5	Elevated creatinine	
4 0 005	Otralian		
<u>4.2 03</u>	Studies		
	4.2.1	White blood count: cells/mm ³ or cells/µL	
	4.2.2	Protein: mg/dL g/L	
	4.2.3	Glucose: mg/dL mmol/L	
42640		e testing during hospitalization for current MIS-C illness:	
<u>4.0 3AR</u>	4.3.1.	SARS-CoV-2 Antibody (IgG or IgM): Positive Negative Not done	
	4.3.1.1		
	4.3.1.2	2 Antibody type: Anti-Spike Anti-Nucleocapsid Anti-Spike and Anti-Nucleo	ocapsid Unknown
	4.3.2.	SARS CoV-2 Viral Test: Positive Negative Not done	
		Ŭ	
	4.3.2.1		
	4.3.2.2	2 SARS CoV-2 test type: RT-PCR/NAAT Antigen Unknown	

SECTION 5 – IMAGING STUDIES AND COMPLICATIONS

If any studies from a particular type of imaging are abnormal during hospitalization, select "abnormal" for that imaging type. If all studies from a particular type of imaging are normal throughout hospitalization, select "normal" for that imaging type.

5.1	Cardiac 5.1.1	lmaging Echocardiogram	Normal	Abnormal	Not done
5.2	Chest li	maging			
	5.2.1	Chest X-ray	Normal	Abnormal	Not done
	5.2.2	Chest CT	Normal	Abnormal	Not done
5.3	Abdom	inal Imaging			
	5.3.1	Abdominal ultrasound	Normal	Abnormal	Not done
	5.3.2	Abdominal X-ray	Normal	Abnormal	Not done
	5.3.3	Abdominal CT	Normal	Abnormal	Not done

Please indicate clinical findings identified during hospitalization for MIS-C illness.

5.4 **Cardiac Complications** Myocarditis Coronary artery dilatation, ectasia, or aneurysm on cardiac imaging Left ventricular systolic dysfunction Lowest LV ejection fraction: <50% 50% to <55% Right ventricular systolic dysfunction Pericarditis/pericardial effusion Congestive heart failure Other cardiac complication, specify: _ 5.5 **Respiratory Complications** Acute respiratory distress syndrome (ARDS) Pneumonia Other respiratory complication, specify: 5.6 Hypotension or shock Hypotension Shock 5.7 **Gastrointestinal Complications** Appendicitis/inflamed appendix Cholecystitis/inflamed gallbladder Mesenteric adenitis Other abdominal complication, specify: _ Hematologic Complications 5.8 Thrombocytopenia (platelets <150.000 cells/uL) Lymphopenia (absolute lymphocyte count/ALC <1000 cells/µL) 5.9 **Other Complications** Meningitis/encephalitis Encephalopathy Other neurologic complication, specify: Retropharyngeal edema/phlegmon on head/neck ultrasound or CT Lymph nodes ≥1.5 cm on head/neck ultrasound or CT Other complication, specify: **SECTION 6 – CLINICAL MANAGEMENT** 6.1 Please indicate all treatments or medical interventions that the subject received for this illness.

High-flow nasal cannula CPAP or BiPAP Invasive mechanical ventilation (intubation) **FCMO** Vasoactive medications (e.g., epinephrine, milrinone, norepinephrine, or vasopressin)

Steroids (e.g., prednisone, methylprednisolone) Immune modulators (e.g., anakinra, infliximab) Dialysis or continuous renal replacement therapy (CRRT) First IVIG Second IVIG

SECTION 7 – COVID-19 VACCINE INFORMATION							
7.1	Has the patient received a COVID-19 vaccine?		Yes	No	No Unknown		
7.2	If yes, how many doses?	1 dose 2 doses		3 or more dose	es l	Unknown	
7.3	Date vaccine dose(s) received						
	7.3.1. Vaccine Dose 1	Date (MM/DD/YYYY):		Manufacture	Manufacturer:		
	7.3.2 Vaccine Dose 2	Date (MM/DD/YYYY): Date (MM/DD/YYYY): Date (MM/DD/YYYY):		Manufacture	Manufacturer:		
	7.3.3 Vaccine Dose 3			Manufacture	er:		
	7.3.4 Vaccine Dose 4			Manufacture	er:		
	7.3.5 Vaccine Dose 5	Date (MM/DD/YYYY):		Manufacture	er:		