



## Global Clinical Data Platform

# Severe acute hepatitis of unknown aetiology in children

## CASE REPORT FORM (CRF)

## INTRODUCTION

Multiple countries are reporting severe acute cases of hepatitis of unknown aetiology in children, in several regions of the world. WHO has developed this clinical case report form (CRF) to support and facilitate reporting of anonymized, patient-level data of acute hepatitis of unknown aetiology. This form is intended to support standardized data collection in support of the following objectives:

- To understand the clinical characterization of disease, its natural history and severity.
- To understand risk factors for severe disease, including which children may be at highest risk of the disease and severe outcomes.
- To generate hypotheses about disease aetiology.
- To better characterize the scale of this public health threat to guide the public health response and the development of clinical management guidance including approaches to investigations and infection prevention and control interventions.

## HOW TO REPORT

Any Member State or institution is encouraged to use this form to report anonymized clinical data on patients with severe acute hepatitis of unknown aetiology meeting the WHO working case definition (consistent with the European Centre for Disease Prevention and Control current case definition). The data can be shared and uploaded to the [WHO Global Clinical Platform](#)

Member States can also report cases of severe acute hepatitis through other surveillance mechanisms, e.g. IHR or the TESSy platform in the European Region.

**WHO WORKING CASE DEFINITION (published 23 April 2022)**

**Confirmed:** N/A at present.

**Probable:** A person presenting with an acute hepatitis (non-hepatitis A-E\*) with serum transaminase > 500 IU/L aspartate transaminase (AST) or alanine aminotransaminase (ALT), who is aged 16 years and younger, since 1 October 2021

**Epi-linked:** A person presenting with an acute hepatitis (non-hepatitis A-E\*) of any age who is a close contact of a probable case, since 1 October 2021.

\* Cases of hepatitis with known aetiology such those due to specific infections, drug toxicity, metabolic inherited/genetic, autoimmune disease or acute on chronic hepatitis presentation should not be reported.

## HOW TO USE THIS CASE REPORT FORM (CRF)

The CRF is designed to collect data obtained through examination, interview with parents/caregivers and review of clinic and hospital notes. Data may be collected prospectively or retrospectively. This CRF has two modules that capture different periods in the clinical course and hospital stay:

### Module 1: Covering period from initial symptoms to hospital admission

**1a** clinical inclusion criteria; **1b** demographics; **1c** date of onset of symptoms/signs; **1d** admission vital signs; **1e** symptoms/signs on admission; **1f** existing medical conditions; **1g** COVID-19 infection status; **1h** COVID-19 vaccination status; **1i** childhood vaccination status; **1j** exposure to medications; **1k** other exposures

### Module 2: To be completed at discharge from hospital or death

**2a** routine lab tests; **2b** diagnostic tests; **2c** pathologic liver tissue findings; **2d** medications; **2e** supportive care received; **2f** outcomes

WHO encourages the use of the CRF to collect data on cases meeting the WHO case definition, even if the form cannot be fully completed.

## CONSIDERATIONS TO GUIDE PRIORITY CLINICAL WORK-UP IN RESOURCE-LIMITED SETTINGS

WHO recognizes that it may not be feasible to collect every data element outlined in this CRF. Evaluation of a child with hepatitis of unknown aetiology can require extensive investigations, which may not be readily available in resource-limited settings. The following list outlines some of the known causes to consider in the clinical work-up and **should not be taken as exclusion criteria for reporting cases**.

### Consider investigating for recognized causes of acute hepatitis in children other than hepatitis A–E:

See Module 1, section 1f (existing medical conditions) and sections 1j and 1k (exposure history) of the CRF.

- **Autoimmune hepatitis** (total IgG, anti-nuclear antibody [ANA], anti-smooth muscle antibody [ASMA], anti-liver kidney microsomal [LKM-1] antibody, anti-soluble liver antigen, anti-neutrophil cytoplasmic antibody [ANCA]). See Module 2, section 2b for a list of diagnostic tests for autoimmune disease.
- **Metabolic liver diseases due to genetic/inherited disorders**, e.g. **Wilson's disease** (serum caeruloplasmin and 24-hour urine for copper), **Alpha-1 antitrypsin deficiency** (alpha-1 antitrypsin level). Points in history that may raise suspicion (e.g. family history of metabolic disorder, unexplained infant deaths, miscarriages neurodevelopmental impairment and seizures).
- **Medications/toxin ingestion** (serum paracetamol level, urine screen for toxins/drugs).
- **Chemotherapy-induced hepatitis with active malignancy**.
- **Other viral infections**, e.g. **herpes (HSV)**, **Epstein-Barr virus (EBV)**, **cytomegalovirus (CMV)**. See Module 2, section 2b for a list of diagnostic tests for investigating infectious and non-infectious aetiologies.

### Laboratory testing

See Module 2, section 2b for a list of diagnostic tests that should be considered for investigating infectious and non-infectious aetiology.

The relevance and feasibility of these tests will vary by region and country capacity, and as investigations progress. The list includes but is not limited to viral infections (SARS-CoV-2, EBV, adenovirus, parvovirus, herpes simplex virus, HHV6 and 7, cytomegalovirus, enterovirus, rubella, paramyxoviruses), bacterial infections (salmonella species), as well as infections in certain regions only (malaria, dengue, leptospirosis, yellow fever).

Where there are laboratory capacity limitations, facilities should collect and store samples for future and/or referral testing.

WHO is developing interim guidance and establishing a network of regional and global referral labs to support Member States with laboratory testing (in progress).

## MODULE 1. Complete on hospital admission (within 24 hrs from hospital admission)

Facility name \_\_\_\_\_ State/Region: \_\_\_\_\_ Country \_\_\_\_\_

Patient transferred to this facility from another facility? ☐ Yes ☐ No ☐ Unknown

If yes, name the facility \_\_\_\_\_

If yes, admission date at the first facility [D][D]/[M][M]/[2][0][Y][Y]

Date of report [D][D]/[M][M]/[2][0][Y][Y]

### 1a. CLINICAL INCLUSION CRITERIA FOR USE OF CRF

Please note that cases that do not meet the WHO case definition will not be classified as a probable case:

- Is the patient  $\leq 16$  years? ☐ Yes ☐ No ☐ Unknown
- Does the patient have an ALT or AST  $> 500$  IU/L? ☐ Yes ☐ No ☐ Unknown
- Did the patient present after October 2021? ☐ Yes ☐ No ☐ Unknown
- Has the patient been evaluated and tested negative for:
  - a. Hepatitis virus A ☐ Yes ☐ No ☐ Pending ☐ Not tested
  - b. Hepatitis virus B ☐ Yes ☐ No ☐ Pending ☐ Not tested
  - c. Hepatitis virus C ☐ Yes ☐ No ☐ Pending ☐ Not tested
  - d. Hepatitis virus E ☐ Yes ☐ No ☐ Pending ☐ Not tested

Complete details in section 2b.

### 1b. DEMOGRAPHICS

Sex assigned at birth ☐ Male ☐ Female ☐ Transgender ☐ Unknown

Date of birth [D][D]/[M][M]/[Y][Y][Y][Y]

If date of birth is unknown, record: Age [ ][ ] years OR [ ][ ] months OR [ ][ ] days

Race/ethnicity (tick all that apply)

☐ Asian ☐ African/Black ☐ Caucasian/White ☐ Hispanic/Latino ☐ Other specify \_\_\_\_\_ ☐ Unknown

## 1c. DATE OF ONSET OF INITIAL SYMPTOMS

**Symptom onset** (date of first/earliest symptom) [   D   ]/[   D   ]/[   M   ]/[   M   ]/[   2   ]/[   0   ]/[   Y   ]/[   Y   ]

Fever <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, (max.) _____ °C <b>Onset</b> [ _ ][ _ ][ _ ]/[ _ ][ _ ][ _ ]/[ _ ][ _ ][ _ ]	Scleral icterus <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, <b>Onset</b> [ _ ][ _ ][ _ ]/[ _ ][ _ ][ _ ]/[ _ ][ _ ][ _ ]
Decreased appetite/anorexia <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, <b>Onset</b> [ _ ][ _ ][ _ ]/[ _ ][ _ ][ _ ]/[ _ ][ _ ][ _ ]	Jaundice <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, <b>Onset</b> [ _ ][ _ ][ _ ]/[ _ ][ _ ][ _ ]/[ _ ][ _ ][ _ ]
Fatigue <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, <b>Onset</b> [ _ ][ _ ][ _ ]/[ _ ][ _ ][ _ ]/[ _ ][ _ ][ _ ]	Nausea <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, <b>Onset</b> [ _ ][ _ ][ _ ]/[ _ ][ _ ][ _ ]/[ _ ][ _ ][ _ ]
Rhinorrhoea <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, <b>Onset</b> [ _ ][ _ ][ _ ]/[ _ ][ _ ][ _ ]/[ _ ][ _ ][ _ ]	Vomiting <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <b>Onset</b> [ _ ][ _ ][ _ ]/[ _ ][ _ ][ _ ]/[ _ ][ _ ][ _ ]
Sore throat <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, <b>Onset</b> [ _ ][ _ ][ _ ]/[ _ ][ _ ][ _ ]/[ _ ][ _ ][ _ ]	Diarrhoea <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, <b>Onset</b> [ _ ][ _ ][ _ ]/[ _ ][ _ ][ _ ]/[ _ ][ _ ][ _ ]
Conjunctivitis (pink eye) <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, <b>Onset</b> [ _ ][ _ ][ _ ]/[ _ ][ _ ][ _ ]/[ _ ][ _ ][ _ ]	Abdominal pain <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, <b>Onset</b> [ _ ][ _ ][ _ ]/[ _ ][ _ ][ _ ]/[ _ ][ _ ][ _ ]
Shortness of breath <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, <b>Onset</b> [ _ ][ _ ][ _ ]/[ _ ][ _ ][ _ ]/[ _ ][ _ ][ _ ]	Dark-coloured urine <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, <b>Onset</b> [ _ ][ _ ][ _ ]/[ _ ][ _ ][ _ ]/[ _ ][ _ ][ _ ]
Wheezing <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, <b>Onset</b> [ _ ][ _ ][ _ ]/[ _ ][ _ ][ _ ]/[ _ ][ _ ][ _ ]	Pale stool <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, <b>Onset</b> [ _ ][ _ ][ _ ]/[ _ ][ _ ][ _ ]/[ _ ][ _ ][ _ ]
Cough <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, <b>Onset</b> [ _ ][ _ ][ _ ]/[ _ ][ _ ][ _ ]/[ _ ][ _ ][ _ ]	Seizures <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, <b>Onset</b> [ _ ][ _ ][ _ ]/[ _ ][ _ ][ _ ]/[ _ ][ _ ][ _ ]
Joint pain (arthralgia) <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, <b>Onset</b> [ _ ][ _ ][ _ ]/[ _ ][ _ ][ _ ]/[ _ ][ _ ][ _ ]	Excessive sleepiness <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, <b>Onset</b> [ _ ][ _ ][ _ ]/[ _ ][ _ ][ _ ]/[ _ ][ _ ][ _ ]
Muscle aches (myalgia) <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, <b>Onset</b> [ _ ][ _ ][ _ ]/[ _ ][ _ ][ _ ]/[ _ ][ _ ][ _ ]	<input type="checkbox"/> Other _____ If yes, <b>Onset</b> [ _ ][ _ ][ _ ]/[ _ ][ _ ][ _ ]/[ _ ][ _ ][ _ ]

**1d. CLINICAL EVALUATION ON ADMISSION: CLINICAL SYMPTOMS/SIGNS ON ADMISSION**

Decreased appetite/anorexia <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	Sclera icterus <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
History of fever/chills <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	Skin Jaundice <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
Inconsolable crying <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	Nausea <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
Fatigue <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	Vomiting <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
Inability to walk <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	Diarrhoea <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
Runny nose (rhinorrhoea) <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	Abdominal pain <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
Sore throat <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	Peripheral oedema <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
Conjunctivitis <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	Hepatomegaly <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
Shortness of breath <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	Splenomegaly <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
Wheezing <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	Ascites <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
Cough <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	Petechiae/haematomas <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
Muscle aches (myalgia) <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	Palmar erythema <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
Joint pain (arthralgia) <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	Caput medusa <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
Lymphadenopathy <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	Pale stool <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
Skin rash <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, describe _____	Dark-coloured urine <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
Seizures <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	Asterixis (flapping hands /tremor) <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown

**Features of acute liver failure**

Acute impairment of liver function (INR > 1.5) unresponsive to vitamin K, with or without (> 2) encephalopathy ☐Yes ☐No ☐Unknown

Date of onset [ \_ D \_ ][ \_ M \_ ][ \_ 2 \_ ][ \_ 0 \_ ][ \_ Y \_ ][ \_ Y \_ ]

Other signs/symptoms of liver failure:

- Fever ☐Yes ☐No ☐Unknown
- Presence of dehydration ☐Yes ☐No ☐Unknown; if yes, ☐severe ☐moderate ☐mild
- Inability to maintain oral hydration ☐Yes ☐No ☐Unknown
- Not passing urine ☐Yes ☐No ☐Unknown
- Severe or persistent nausea and vomiting ☐Yes ☐No ☐Unknown
- Repeated episodes of hypoglycaemia ☐Yes ☐No ☐Unknown
- Spontaneous bleeding (nasal, oral, vaginal, bloody diarrhoea and vomiting) ☐Yes ☐No ☐Unknown
- Variceal bleed ☐Yes ☐No ☐Unknown
- Mental state changes/evidence of encephalopathy: examples include excessive sleepiness, irritability, agitation, disorientation, confusion, abnormal behaviour or decreased level of consciousness: ☐Yes ☐No ☐Unknown

If yes, then grading of encephalopathy: check one that applies

Grade 1	Irritable, apathetic, behavioural and sleep disturbance
Grade 2	Drowsy, confused, but responds to commands
Grade 3	Severely confused or agitated, but response to pain
Grade 4	Unroutable, no response to pain

Multisystem involvement ☐Yes ☐No ☐Unknown

If yes, please specify

Renal failure ☐Yes ☐No ☐Unknown

Haemodynamic changes ☐Yes ☐No ☐Unknown

Pulmonary complications ☐Yes ☐No ☐Unknown

**1e. VITAL SIGNS (at admission)**
**Symptom onset** (date of first/earliest symptom)

[ ] [ ] [ ] / [ ] [ ] [ ] / [ ] [ ] [ ] [ ] [ ] [ ]

**Admission date at this facility** [ ] [ ] [ ] / [ ] [ ] [ ] / [ ] [ ] [ ] [ ] [ ] [ ]

**Temperature** [ ] [ ] [ ] °C **Heart rate** [ ] [ ] [ ] beats/min

**Respiratory rate** [ ] [ ] breaths/min

**Saturation O<sub>2</sub>** [ ] [ ] % on ☐ Room air ☐ Oxygen therapy

**BP** [ ] [ ] [ ] (systolic) [ ] [ ] [ ] (diastolic) mmHg

**Severe dehydration** ☐ Yes ☐ No ☐ Unknown

**Sternal capillary refill time > 2 seconds** ☐ Yes ☐ No ☐ Unknown

**Jaundice:** ☐ Sclera ☐ Skin ☐ Unknown

**A V P U** (circle one)

**Glasgow Coma Score (GCS/15)** [ ] [ ] [ ]

**Malnutrition** ☐ Yes ☐ No ☐ Unknown Unknown

**Mid-upper arm circumference** [ ] [ ] [ ] mm

**Height** [ ] [ ] [ ] cm

**Weight** [ ] [ ] [ ] kg

**1f. EXISTING MEDICAL CONDITIONS (existing at admission)**
**Gestational age at birth < 37 weeks?** ☐ Yes ☐ No ☐ Unknown

**If yes, age when born** [ ] [ ] weeks

Chronic cardiac disease (including congenital disease) <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	Diabetes mellitus <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	If yes, <input type="checkbox"/> Type1 <input type="checkbox"/> Type2

Autoimmune disease <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	Tuberculosis (active) <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
If yes, specify: _____	If yes, <input type="checkbox"/> active <input type="checkbox"/> previous

Chronic pulmonary disease or asthma <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	HIV <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
If yes, specify: _____	If yes, <input type="checkbox"/> on ART <input type="checkbox"/> No ART

Acute or chronic kidney disease <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	Asplenia <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
If yes, specify: _____	

Chronic liver disease <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	Malignancy (lymphoma, leukaemia/chemotherapy) <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
If yes, specify: _____	

Metabolic disease <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	Other immunosuppressive condition (including primary ID) <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
If yes, specify: _____	If yes, specify: _____

Mitochondrial disease <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	History of any transplant <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
If yes, specify: _____	If yes, specify: _____

Chronic haematologic disease <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	Haemochromatosis (GALD) – neonatal <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown

Development disorder <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	Sickle cell disease <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
If yes, specify: _____	

Chronic neurological disorder (including congenital disease) <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	Thalassaemia <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	

Rheumatologic disease <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	G6P deficiency <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
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## 1g. COVID-19 INFECTION STATUS

**Presence of signs or symptoms suggestive of COVID-19 within the last 3 months** ☐ Yes ☐ No ☐ Unknown

Date of onset of symptoms: | | | | | | | | | | | | | | | | | | | | | |

If yes, specify clinical features: \_\_\_\_\_

**Were there features of COVID-19 MIS-C (multisystem inflammatory syndrome in children)?**

(requires fever, elevated inflammatory markers, at least two signs of multisystem involvement, evidence of SARS-CoV-2 infection or exposure, and exclusion of other potential causes)

If yes, specify clinical features: \_\_\_\_\_

**Laboratory confirmation of COVID-19 (antigen test or molecular test)**

Antigen test ☐ Yes ☐ No ☐ Unknown

Molecular test ☐ Yes ☐ No ☐ Unknown

If positive, date of most recent test | | | | | | | | | | | | | | | | | | | | | |

**Previous laboratory tests for COVID-19 (antigen test or molecular test)** ☐ Yes ☐ No ☐ Unknown

Date of previous tests | | | | | | | | | | | | | | | | | | | | | | **Result** ☐ Pos ☐ Neg

Date of previous tests | | | | | | | | | | | | | | | | | | | | | | **Result** ☐ Pos ☐ Neg

Date of previous tests | | | | | | | | | | | | | | | | | | | | | | **Result** ☐ Pos ☐ Neg

**Serology for COVID-19 antibody** ☐ Yes ☐ No ☐ Unknown

Date of test | | | | | | | | | | | | | | | | | | | | | |

SARS-CoV-2 anti-nucleocapsid ☐ Not tested ☐ Pos ☐ Neg ☐ Indeterm ☐ Pending ☐ Unknown

SARS-CoV-2 anti-spike ☐ Not tested ☐ Pos ☐ Neg ☐ Indeterm ☐ Pending ☐ Unknown

Other, specify result: \_\_\_\_\_

**Exposure or high-risk contact COVID-19 in family or community** ☐ Yes ☐ No ☐ Unknown

Date of exposure | | | | | | | | | | | | | | | | | | | | | |

## 1h. COVID-19 VACCINATION STATUS

**Did the patient receive a COVID-19 vaccine?** ☐ Yes ☐ No ☐ Unknown

**Source of information** ☐ Documented evidence (vaccine card/vaccine passport/facility-based record/other) ☐ Recall

**If yes, number of doses received** ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ > 4 ☐ Unknown

**Dose 1, Date** | | | | | | | | | | | | | | | | | | | | | | **specify** ☐ Pfizer ☐ Moderna ☐ Janssen ☐ AZ ☐ Sinovac ☐ Sinopharm ☐ Bharat (Covaxin) ☐ Sputnik ☐ Other ☐ Unknown

**Dose 2, Date** | | | | | | | | | | | | | | | | | | | | | | **specify** ☐ Pfizer ☐ Moderna ☐ Janssen ☐ AZ ☐ Sinovac ☐ Sinopharm ☐ Bharat (Covaxin) ☐ Sputnik ☐ Other ☐ Unknown

**Dose 3, Date** | | | | | | | | | | | | | | | | | | | | | | **specify** ☐ Pfizer ☐ Moderna ☐ Janssen ☐ AZ ☐ Sinovac ☐ Sinopharm ☐ Bharat (Covaxin) ☐ Sputnik ☐ Other ☐ Unknown

**Dose 4, Date** | | | | | | | | | | | | | | | | | | | | | | **specify** ☐ Pfizer ☐ Moderna ☐ Janssen ☐ AZ ☐ Sinovac ☐ Sinopharm ☐ Bharat (Covaxin) ☐ Sputnik ☐ Other ☐ Unknown

### 1i. CHILDHOOD VACCINATION STATUS

Vaccination	Date Dose 1 (dd/mm/yyyy)	Date Dose 2 (dd/mm/yyyy)	Date Dose 3 (dd/mm/yyyy)	Date Dose 4 (dd/mm/yyyy)
Hepatitis A virus				
Hepatitis B virus				
Rotavirus				
DTaP/Tdap				
Hib				
IPV				
MMR				
Varicella				
Influenza				
BCG				
Yellow fever				
PCV 13				
Meningococcal B				
HPV				

预览已结束，完整报告链接和二维码如下：

[https://www.yunbaogao.cn/report/index/report?reportId=5\\_31344](https://www.yunbaogao.cn/report/index/report?reportId=5_31344)

