



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 ≤ 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 Onset [D] [D] / [M] [M] / [2] [0] [Y] [Y]	Scleral icterus <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, Onset [D] [D] / [M] [M] / [2] [0] [Y] [Y]
Decreased appetite/anorexia <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, Onset [D] [D] / [M] [M] / [2] [0] [Y] [Y]	Jaundice <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, Onset [D] [D] / [M] [M] / [2] [0] [Y] [Y]
Fatigue <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, Onset [D] [D] / [M] [M] / [2] [0] [Y] [Y]	Nausea <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, Onset [D] [D] / [M] [M] / [2] [0] [Y] [Y]
Rhinorrhoea <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, Onset [D] [D] / [M] [M] / [2] [0] [Y] [Y]	Vomiting <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown Onset [D] [D] / [M] [M] / [2] [0] [Y] [Y]
Sore throat <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, Onset [D] [D] / [M] [M] / [2] [0] [Y] [Y]	Diarrhoea <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, Onset [D] [D] / [M] [M] / [2] [0] [Y] [Y]
Conjunctivitis (pink eye) <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, Onset [D] [D] / [M] [M] / [2] [0] [Y] [Y]	Abdominal pain <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, Onset [D] [D] / [M] [M] / [2] [0] [Y] [Y]
Shortness of breath <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, Onset [D] [D] / [M] [M] / [2] [0] [Y] [Y]	Dark-coloured urine <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, Onset [D] [D] / [M] [M] / [2] [0] [Y] [Y]
Wheezing <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, Onset [D] [D] / [M] [M] / [2] [0] [Y] [Y]	Pale stool <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, Onset [D] [D] / [M] [M] / [2] [0] [Y] [Y]
Cough <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, Onset [D] [D] / [M] [M] / [2] [0] [Y] [Y]	Seizures <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, Onset [D] [D] / [M] [M] / [2] [0] [Y] [Y]
Joint pain (arthralgia) <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, Onset [D] [D] / [M] [M] / [2] [0] [Y] [Y]	Excessive sleepiness <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, Onset [D] [D] / [M] [M] / [2] [0] [Y] [Y]
Muscle aches (myalgia) <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, Onset [D] [D] / [M] [M] / [2] [0] [Y] [Y]	<input type="checkbox"/> Other _____ If yes, Onset [D] [D] / [M] [M] / [2] [0] [Y] [Y]

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][D]/[M][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	Unrousable, 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 ₂ [] [] % on <input type="checkbox"/> Room air <input type="checkbox"/> Oxygen therapy	
BP [] [] [] (systolic) [] [] [] (diastolic) mmHg	
Severe dehydration <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	
Sternal capillary refill time > 2 seconds <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	
Jaundice: <input type="checkbox"/> Sclera <input type="checkbox"/> Skin <input type="checkbox"/> Unknown	
A V P U (circle one)	Glasgow Coma Score (GCS/15) [] [] []
Malnutrition <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	Mid-upper arm circumference [] [] [] mm
Height [] [] [] cm	Weight [] [] [] kg

1f. EXISTING MEDICAL CONDITIONS (existing at admission)	
Gestational age at birth < 37 weeks? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> 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 If yes, <input type="checkbox"/> Type1 <input type="checkbox"/> Type2
Autoimmune disease If yes, specify: _____ <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, <input type="checkbox"/> active <input type="checkbox"/> previous
Chronic pulmonary disease or asthma If yes, specify: _____ <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, <input type="checkbox"/> on ART <input type="checkbox"/> No ART
Acute or chronic kidney disease If yes, specify: _____ <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
Chronic liver disease If yes, specify: _____ <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
Metabolic disease If yes, specify: _____ <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	Other immunosuppressive condition (including primary ID) If yes, specify: _____ <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
Mitochondrial disease If yes, specify: _____ <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	History of any transplant If yes, specify: _____ <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
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
Development disorder If yes, specify: _____ <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
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
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

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: [D][D]/[M][M]/[2][0][Y][Y]

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 [D][D]/[M][M]/[2][0][Y][Y]

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

Date of previous tests [D][D]/[M][M]/[2][0][Y][Y] **Result** Pos Neg

Date of previous tests [D][D]/[M][M]/[2][0][Y][Y] **Result** Pos Neg

Date of previous tests [D][D]/[M][M]/[2][0][Y][Y] **Result** Pos Neg

Serology for COVID-19 antibody Yes No Unknown

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

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 [D][D]/[M][M]/[2][0][Y][Y]

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 [D][D]/[M][M]/[2][0][Y][Y] **specify** Pfizer Moderna Janssen AZ Sinovac Sinopharm
Bharat (Covaxin) Sputnik Other Unknown

Dose 2, Date [D][D]/[M][M]/[2][0][Y][Y] **specify** Pfizer Moderna Janssen AZ Sinovac Sinopharm
Bharat (Covaxin) Sputnik Other Unknown

Dose 3, Date [D][D]/[M][M]/[2][0][Y][Y] **specify** Pfizer Moderna Janssen AZ Sinovac Sinopharm
Bharat (Covaxin) Sputnik Other Unknown

Dose 4, Date [D][D]/[M][M]/[2][0][Y][Y] **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				

1j. EXPOSURE TO MEDICATION in the 2 months prior to symptom onset

Paracetamol/acetaminophen Yes No Unknown First date given: [D] [D] / [M] [M] / [2] [0] [Y] [Y]

Dose: _____ Frequency: _____ Route: _____ Total duration: _____ in days _____

Allergy medicine Yes No Unknown First date given: [D] [D] / [M] [M] / [2] [0] [Y] [Y]

If yes, specify: _____

Dose: _____ Frequency: _____ Route: _____ Duration: _____ in days _____

Aspirin Yes No Unknown First date given: [D] [D] / [M] [M] / [2] [0] [Y] [Y]

Dose: _____ Frequency: _____ Route: _____ Duration: _____ in days _____

Cough Yes No Unknown First date given: [D] [D] / [M] [M] / [2] [0] [Y] [Y]

If yes, specify: _____

Dose: _____ Frequency: _____ Route: _____ Duration: _____ in days _____

Ibuprofen Yes No Unknown First date given: [D] [D] / [M] [M] / [2] [0] [Y] [Y]

Dose: _____ Frequency: _____ Route: _____ Duration: _____ in days _____

Antibiotics Yes No Unknown First date given: [D] [D] / [M] [M] / [2] [0] [Y] [Y]

If yes, specify: _____

Dose: _____ Frequency: _____ Route: _____ Duration: _____ in days _____

Simethicone drops Yes No Unknown First date given: [D] [D] / [M] [M] / [2] [0] [Y] [Y]

Dose: _____ Frequency: _____ Route: _____ Duration: _____ in days _____

Antiepileptic medication Yes No Unknown First date given: [D] [D] / [M] [M] / [2] [0] [Y] [Y]

If yes, specify: _____

Dose: _____ Frequency: _____ Route: _____ Duration: _____ in days _____

Herbal medicine/naturopathic/homeopathic medicine

Yes No Unknown First date given: [D] [D] / [M] [M] / [2] [0] [Y] [Y]

If yes, specify: _____

Dose: _____ Frequency: _____ Route: _____ Duration: _____

Other medication Yes No Unknown

If yes, specify: _____ First date given: [D] [D] / [M] [M] / [2] [0] [Y] [Y]

Dose: _____ Frequency: _____ Route: _____ Duration: _____

Other medication Yes No Unknown

If yes, specify: _____ First date given: [D] [D] / [M] [M] / [2] [0] [Y] [Y]

Dose: _____ Frequency: _____ Route: _____ Duration: _____

Other medication Yes No Unknown

If yes, specify: _____ First date given: [D] [D] / [M] [M] / [2] [0] [Y] [Y]

Dose: _____ Frequency: _____ Route: _____ Duration: _____

1k. OTHER EXPOSURES in 2 months prior to symptom onset

 1a. Attendance to in-person **school or day care** in the 2 months prior to symptom onset Yes No Unknown

Last attendance: [D][D]/[M][M]/[2][0][Y][Y]

Name of school or day care: _____

 1b. Any outbreaks reported by school or day care in the 2 months prior to symptom onset Yes No Unknown

Date [D][D]/[M][M]/[2][0][Y][Y] If yes, specify details: _____

 2. Any new **illnesses or infections in household members** or other close contacts in the 2 months prior to symptom onset

 Yes No Unknown Date [D][D]/[M][M]/[2][0][Y][Y]

If yes, specify: _____

 3a. Any national or overseas **trip** in the 2 months prior to symptom onset Yes No Unknown

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

If yes, specify location: _____

 3b. During the trip, did the child get sick? Yes No Unknown

If yes, specify symptoms: _____

 4. Any **contact with wild animals, or a pet or animal living** with the patient or any friend/relative at the time of the illness

 Yes No Unknown

If yes, specify: _____

 5. Any **bite or reaction to any insect or animal** contacts in the 2 months prior to symptom onset Yes No Unknown

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

If yes, specify: _____

 6. Any problem or exposure to different **water** in the 2 months prior to symptom onset Yes No Unknown

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

If yes, specify: _____

 7. Any problem or exposure to different **food** in the 2 months prior to symptom onset Yes No Unknown

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

If yes, specify: _____

 8. Did the child or household member start using **any new personal care products** (e.g. soaps, lotions) in the 2 months prior to symptom onset? Yes No Unsure

If yes, specify: _____

Other exposures:

9. For infants < 6 months, is the child:

 Exclusively breastfeeding Mixed feeding Replacement feeding (infant formula)

If mixed feeding/formula feeding, which brand of formula? _____

9b. For infants and children 6–59 months

 Is the child still receiving breastmilk? Yes No Unsure

 Is the child still receiving infant formula? Yes No If yes, which brand of formula: _____

 What age did the child start complementary foods other than breastmilk/infant formula? _____ Not started

 What age was breastmilk stopped? _____ Unknown

 What age was infant formula stopped? _____ Unknown

What brand of formula did you use? _____

2b. DIAGNOSTIC TESTS *(to identify aetiology)*

AUTOIMMUNE MARKERS (specify units)				
Total immunoglobulin (IgG) g/L				
Smooth muscle antibody (SMA)				
Liver kidney microsomal antibody (LKM)				
Antinuclear antibody (ANA) (titre)				
METABOLIC LIVER DISEASES				
Serum caeruloplasmin				
24-hr urine for copper serum ferritin level				
Serum transferrin saturation				
MEDICATION/TOXIN SCREEN				
Serum paracetamol level				
Urine screen for toxins/drugs				

MICROBIOLOGY		Date
Hepatitis A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		
IgM anti-HAV	<input type="checkbox"/> Not tested <input type="checkbox"/> Tested Lab-based EIA RDT <input type="checkbox"/> Pos <input type="checkbox"/> Neg <input type="checkbox"/> Indeterm <input type="checkbox"/> Pending <input type="checkbox"/> Unknown	
IgG anti-HAV	<input type="checkbox"/> Not tested <input type="checkbox"/> Pos <input type="checkbox"/> Neg <input type="checkbox"/> Pending <input type="checkbox"/> Unknown	
Total anti-HAV	<input type="checkbox"/> Not tested <input type="checkbox"/> Pos <input type="checkbox"/> Neg <input type="checkbox"/> Indeterm <input type="checkbox"/> Pending <input type="checkbox"/> Unknown	
Hepatitis B		
HBsAg	<input type="checkbox"/> Not tested <input type="checkbox"/> Tested Lab-based EIA RDT <input type="checkbox"/> Pos <input type="checkbox"/> Neg <input type="checkbox"/> Indeterm <input type="checkbox"/> Pending <input type="checkbox"/> Unknown	
IgM anti-HBc	<input type="checkbox"/> Not tested <input type="checkbox"/> Pos <input type="checkbox"/> Neg <input type="checkbox"/> Indeterm <input type="checkbox"/> Pending <input type="checkbox"/> Unknown	
Total anti-HBc	<input type="checkbox"/> Not tested <input type="checkbox"/> Pos <input type="checkbox"/> Neg <input type="checkbox"/> Indeterm <input type="checkbox"/> Pending <input type="checkbox"/> Unknown	
HBeAg	<input type="checkbox"/> Not tested <input type="checkbox"/> Pos <input type="checkbox"/> Neg <input type="checkbox"/> Indeterm <input type="checkbox"/> Pending <input type="checkbox"/> Unknown	
Anti-HBeAg	<input type="checkbox"/> Not tested <input type="checkbox"/> Pos <input type="checkbox"/> Neg <input type="checkbox"/> Indeterm <input type="checkbox"/> Pending <input type="checkbox"/> Unknown	
HBV DNA	<input type="checkbox"/> Not tested <input type="checkbox"/> Pos <input type="checkbox"/> Neg <input type="checkbox"/> Indeterm <input type="checkbox"/> Pending <input type="checkbox"/> Unknown	
Hepatitis C		
Anti-HCV	<input type="checkbox"/> Not tested <input type="checkbox"/> Tested Lab-based EIA RDT <input type="checkbox"/> Pos <input type="checkbox"/> Neg <input type="checkbox"/> Indeterm <input type="checkbox"/> Pending <input type="checkbox"/> Unknown	
HCV RNA	<input type="checkbox"/> Not tested <input type="checkbox"/> Pos <input type="checkbox"/> Neg <input type="checkbox"/> Indeterm <input type="checkbox"/> Pending <input type="checkbox"/> Unknown	
Hepatitis D		
Anti-HDV	<input type="checkbox"/> Not tested <input type="checkbox"/> Tested Lab-based EIA RDT <input type="checkbox"/> Pos <input type="checkbox"/> Neg <input type="checkbox"/> Indeterm <input type="checkbox"/> Pending <input type="checkbox"/> Unknown	
HDV RNA	<input type="checkbox"/> Not tested <input type="checkbox"/> Pos <input type="checkbox"/> Neg <input type="checkbox"/> Indeterm <input type="checkbox"/> Pending <input type="checkbox"/> Unknown	
Hepatitis E		
IgM anti-HEV	<input type="checkbox"/> Not tested <input type="checkbox"/> Tested Lab-based EIA RDT <input type="checkbox"/> Pos <input type="checkbox"/> Neg <input type="checkbox"/> Indeterm <input type="checkbox"/> Pending <input type="checkbox"/> Unknown	
IgG anti-HEV	<input type="checkbox"/> Not tested <input type="checkbox"/> Pos <input type="checkbox"/> Neg <input type="checkbox"/> Indeterm <input type="checkbox"/> Pending <input type="checkbox"/> Unknown	
HEV RNA	<input type="checkbox"/> Not tested <input type="checkbox"/> Pos <input type="checkbox"/> Neg <input type="checkbox"/> Indeterm <input type="checkbox"/> Pending <input type="checkbox"/> Unknown	

OTHER MICROBIOLOGICAL STUDIES <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown			
Test	Result	Type of test and sample	Date
SARS-CoV-2	<input type="checkbox"/> Not tested <input type="checkbox"/> Pos <input type="checkbox"/> Neg <input type="checkbox"/> Indeterm <input type="checkbox"/> Pending <input type="checkbox"/> Unknown <input type="checkbox"/> Sample stored for potential future testing	<input type="checkbox"/> PCR <input type="checkbox"/> Serology <input type="checkbox"/> Culture <input type="checkbox"/> Other Location: <input type="checkbox"/> Whole blood <input type="checkbox"/> Serum <input type="checkbox"/> Stool <input type="checkbox"/> Respiratory <input type="checkbox"/> Nasopharyngeal <input type="checkbox"/> Urine <input type="checkbox"/> CSF <input type="checkbox"/> Liver tissue <input type="checkbox"/> Other	
Adenovirus	<input type="checkbox"/> Not tested <input type="checkbox"/> Pos <input type="checkbox"/> Neg <input type="checkbox"/> Indeterm <input type="checkbox"/> Pending <input type="checkbox"/> Unknown <input type="checkbox"/> Sample stored for potential future testing	<input type="checkbox"/> PCR <input type="checkbox"/> Serology <input type="checkbox"/> Culture <input type="checkbox"/> Other Location: <input type="checkbox"/> Whole blood <input type="checkbox"/> Serum <input type="checkbox"/> Stool <input type="checkbox"/> Respiratory <input type="checkbox"/> Nasopharyngeal <input type="checkbox"/> Urine <input type="checkbox"/> CSF <input type="checkbox"/> Liver tissue <input type="checkbox"/> Other	
Influenza	<input type="checkbox"/> Not tested <input type="checkbox"/> Pos <input type="checkbox"/> Neg <input type="checkbox"/> Indeterm <input type="checkbox"/> Pending <input type="checkbox"/> Unknown <input type="checkbox"/> Sample stored for potential future testing Specify subtype (A, B or H1N1): _____	<input type="checkbox"/> PCR <input type="checkbox"/> Serology <input type="checkbox"/> Culture <input type="checkbox"/> Other Location: <input type="checkbox"/> Whole blood <input type="checkbox"/> Serum <input type="checkbox"/> Stool <input type="checkbox"/> Respiratory <input type="checkbox"/> Nasopharyngeal <input type="checkbox"/> Urine <input type="checkbox"/> CSF <input type="checkbox"/> Liver tissue <input type="checkbox"/> Other	
Parainfluenza	<input type="checkbox"/> Not tested <input type="checkbox"/> Pos <input type="checkbox"/> Neg <input type="checkbox"/> Indeterm <input type="checkbox"/> Pending <input type="checkbox"/> Unknown <input type="checkbox"/> Sample stored for potential future testing	<input type="checkbox"/> PCR <input type="checkbox"/> Serology <input type="checkbox"/> Culture <input type="checkbox"/> Other Location: <input type="checkbox"/> Whole blood <input type="checkbox"/> Serum <input type="checkbox"/> Stool <input type="checkbox"/> Respiratory <input type="checkbox"/> Nasopharyngeal <input type="checkbox"/> Urine <input type="checkbox"/> CSF <input type="checkbox"/> Liver tissue <input type="checkbox"/> Other	
EBV	<input type="checkbox"/> Not tested <input type="checkbox"/> Pos <input type="checkbox"/> Neg <input type="checkbox"/> Indeterm <input type="checkbox"/> Pending <input type="checkbox"/> Unknown <input type="checkbox"/> Sample stored for potential future testing	<input type="checkbox"/> PCR <input type="checkbox"/> Serology <input type="checkbox"/> Culture <input type="checkbox"/> Other Location: <input type="checkbox"/> Whole blood <input type="checkbox"/> Serum <input type="checkbox"/> Stool <input type="checkbox"/> Respiratory <input type="checkbox"/> Nasopharyngeal <input type="checkbox"/> Urine <input type="checkbox"/> CSF <input type="checkbox"/> Liver tissue <input type="checkbox"/> Other	
CMV	<input type="checkbox"/> Not tested <input type="checkbox"/> Pos <input type="checkbox"/> Neg <input type="checkbox"/> Indeterm <input type="checkbox"/> Pending <input type="checkbox"/> Unknown <input type="checkbox"/> Sample stored for potential future testing	<input type="checkbox"/> PCR <input type="checkbox"/> Serology <input type="checkbox"/> Culture <input type="checkbox"/> Other Location: <input type="checkbox"/> Whole blood <input type="checkbox"/> Serum <input type="checkbox"/> Stool <input type="checkbox"/> Respiratory <input type="checkbox"/> Nasopharyngeal <input type="checkbox"/> Urine <input type="checkbox"/> CSF <input type="checkbox"/> Liver tissue <input type="checkbox"/> Other	
Varicella	<input type="checkbox"/> Not tested <input type="checkbox"/> Pos <input type="checkbox"/> Neg <input type="checkbox"/> Indeterm <input type="checkbox"/> Pending <input type="checkbox"/> Unknown <input type="checkbox"/> Sample stored for potential future testing	<input type="checkbox"/> PCR <input type="checkbox"/> Serology <input type="checkbox"/> Culture <input type="checkbox"/> Other Location: <input type="checkbox"/> Whole blood <input type="checkbox"/> Serum <input type="checkbox"/> Stool <input type="checkbox"/> Respiratory <input type="checkbox"/> Nasopharyngeal <input type="checkbox"/> Urine <input type="checkbox"/> CSF <input type="checkbox"/> Liver tissue <input type="checkbox"/> Other	

Bocavirus	<input type="checkbox"/> Not tested <input type="checkbox"/> Pos <input type="checkbox"/> Neg <input type="checkbox"/> Indeterm <input type="checkbox"/> Pending <input type="checkbox"/> Unknown <input type="checkbox"/> Sample stored for potential future testing	<input type="checkbox"/> PCR <input type="checkbox"/> Serology <input type="checkbox"/> Culture <input type="checkbox"/> Other Location: <input type="checkbox"/> Blood <input type="checkbox"/> Serum <input type="checkbox"/> Stool <input type="checkbox"/> Respiratory <input type="checkbox"/> Nasopharyngeal <input type="checkbox"/> Urine <input type="checkbox"/> CSF <input type="checkbox"/> Liver tissue <input type="checkbox"/> Other	
HPeV	<input type="checkbox"/> Not tested <input type="checkbox"/> Pos <input type="checkbox"/> Neg <input type="checkbox"/> Indeterm <input type="checkbox"/> Pending <input type="checkbox"/> Unknown <input type="checkbox"/> Sample stored for potential future testing	<input type="checkbox"/> PCR <input type="checkbox"/> Serology <input type="checkbox"/> Culture <input type="checkbox"/> Other Location: <input type="checkbox"/> Blood <input type="checkbox"/> Serum <input type="checkbox"/> Stool <input type="checkbox"/> Respiratory <input type="checkbox"/> Nasopharyngeal <input type="checkbox"/> Urine <input type="checkbox"/> CSF <input type="checkbox"/> Liver tissue <input type="checkbox"/> Other	
Leptospirosis	<input type="checkbox"/> Not tested <input type="checkbox"/> Pos <input type="checkbox"/> Neg <input type="checkbox"/> Indeterm <input type="checkbox"/> Pending <input type="checkbox"/> Unknown <input type="checkbox"/> Sample stored for potential future testing	<input type="checkbox"/> PCR <input type="checkbox"/> Serology <input type="checkbox"/> Culture <input type="checkbox"/> Other Location: <input type="checkbox"/> Blood <input type="checkbox"/> Serum <input type="checkbox"/> Stool <input type="checkbox"/> Respiratory <input type="checkbox"/> Nasopharyngeal <input type="checkbox"/> Urine <input type="checkbox"/> CSF <input type="checkbox"/> Liver tissue <input type="checkbox"/> Other	
Mycoplasma	<input type="checkbox"/> Not tested <input type="checkbox"/> Pos <input type="checkbox"/> Neg <input type="checkbox"/> Indeterm <input type="checkbox"/> Pending <input type="checkbox"/> Unknown <input type="checkbox"/> Sample stored for potential future testing	<input type="checkbox"/> PCR <input type="checkbox"/> Serology <input type="checkbox"/> Culture <input type="checkbox"/> Other Location: <input type="checkbox"/> Blood <input type="checkbox"/> Serum <input type="checkbox"/> Stool <input type="checkbox"/> Respiratory <input type="checkbox"/> Nasopharyngeal <input type="checkbox"/> Urine <input type="checkbox"/> CSF <input type="checkbox"/> Liver tissue <input type="checkbox"/> Other	
Blood culture	<input type="checkbox"/> Not tested <input type="checkbox"/> Pos <input type="checkbox"/> Neg <input type="checkbox"/> Indeterm <input type="checkbox"/> Pending <input type="checkbox"/> Unknown <input type="checkbox"/> Sample stored for potential future testing	<input type="checkbox"/> Bacterial <input type="checkbox"/> Fungal pathogen: _____	
Throat swab culture	<input type="checkbox"/> Not tested <input type="checkbox"/> Pos <input type="checkbox"/> Neg <input type="checkbox"/> Indeterm <input type="checkbox"/> Pending <input type="checkbox"/> Unknown <input type="checkbox"/> Sample stored for potential future testing	<input type="checkbox"/> Bacterial panel including Streptococcus gr A pathogen: _____	
Stool culture	<input type="checkbox"/> Not tested <input type="checkbox"/> Pos <input type="checkbox"/> Neg <input type="checkbox"/> Indeterm <input type="checkbox"/> Pending <input type="checkbox"/> Unknown <input type="checkbox"/> Sample stored for potential future testing	<input type="checkbox"/> Bacterial panel including Salmonella spp. pathogen: _____	
Urine culture	<input type="checkbox"/> Not tested <input type="checkbox"/> Pos <input type="checkbox"/> Neg <input type="checkbox"/> Indeterm <input type="checkbox"/> Pending <input type="checkbox"/> Unknown <input type="checkbox"/> Sample stored for potential future testing	<input type="checkbox"/> Bacterial <input type="checkbox"/> Fungal pathogen: _____	

RADIOLOGY <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown			
Imaging study	Conducted	Date (mm/dd/yyyy)	Key findings
Abdominal ultrasound with echo doppler	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		
Fibroscan	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		
Abdominal CT scan	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		
Abdominal MRI	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		
Magnetic resonance cholangiopancreatography (MRCP)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		
Chest X-ray	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		
Endoscopy (gastroscopy)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		

2c. PATHOLOGIC LIVER TISSUE FINDINGS

LIVER BIOPSY

Specimen collected Yes No Unknown **Date:** [_] [_] / [_] [_] / [2] [0] [_] [_]

If yes, what were the findings?

Acute/active hepatitis Fibrosis Macrovesicular steatosis Granuloma

Autoimmune hepatitis Haemophagocytosis Portal inflammation/hepatitis

Bile duct injury/inflammation Interface hepatitis Smudge cells

Chronic hepatitis Microvesicular steatosis Viral/intranuclear inclusions

Was there hepatocellular necrosis Yes No Unknown

Select type (check all that apply) Single cell Confluent Piecemeal Diffuse/massive

Immunochemistry Yes No Unknown

If yes, specify results: _____

Electron microscopy Yes No Unknown

If yes, specify results: _____

Microbiology Yes No Unknown

Virus Not tested Pos Neg Indeterm Pending Unknown

PCR Serology Culture Other **Result** _____

Bacteria Not tested Pos Neg Indeterm Pending Unknown

PCR Serology Culture Other **Result** _____

Fungal Not tested Pos Neg Indeterm Pending Unknown

PCR Serology Culture Other **Result** _____

Parasites Not tested Pos Neg Indeterm Pending Unknown

PCR Serology Culture Other **Result** _____

Other: _____

LIVER TRANSPLANT

Received liver transplant Yes No Unknown **Date** [_] [_] / [_] [_] / [2] [0] [_] [_]

Did the patient have the explanted liver tissue analysed by pathology? Yes No Unknown

If yes, what were the findings?

Acute/active hepatitis Fibrosis Macrovesicular steatosis

Autoimmune hepatitis Haemophagocytosis Portal inflammation/hepatitis

Bile duct injury/inflammation Interface hepatitis Smudge cells

Chronic hepatitis Microvesicular steatosis Viral/intranuclear inclusions

Was there hepatocellular necrosis Yes No Unknown

Select type (check all that apply) Single cell Confluent Piecemeal Diffuse/massive

Immunochemistry Yes No Unknown

If yes, specify results: _____

Electron microscopy Yes No Unknown

If yes, specify results: _____

Microbiology Yes No Unknown

Virus Not tested Pos Neg Indeterm Pending Unknown

PCR Serology Culture Other **Result** _____

Bacteria Not tested Pos Neg Indeterm Pending Unknown

PCR Serology Culture Other **Result** _____

Fungal Not tested Pos Neg Indeterm Pending Unknown

PCR Serology Culture Other **Result** _____

Parasites Not tested Pos Neg Indeterm Pending Unknown

PCR Serology Culture Other **Result** _____

Other: _____

2d. MEDICATIONS At any time during hospital stay, did the patient receive					
Group of drugs IM = intramuscular, INH = inhaled, IV = intravenous, PO = per oral, PR = per rectal, SC = subcutaneous	Medication	Date start	Dose	Frequency	Duration (days)
Antivirals <input type="checkbox"/> PO <input type="checkbox"/> IV					
Antibiotics <input type="checkbox"/> PO <input type="checkbox"/> IV <input type="checkbox"/> IM					
Antifungals <input type="checkbox"/> PO <input type="checkbox"/> IV					
Antimalarials <input type="checkbox"/> PO <input type="checkbox"/> IV <input type="checkbox"/> IM					
Corticosteroids <input type="checkbox"/> PO <input type="checkbox"/> IV <input type="checkbox"/> INH					
N-acetylcysteine <input type="checkbox"/> PO <input type="checkbox"/> IV					
Lactulose <input type="checkbox"/> PO <input type="checkbox"/> PR					
Rifaximin <input type="checkbox"/> IV					
Antiepileptic medication <input type="checkbox"/> PO <input type="checkbox"/> IV <input type="checkbox"/> IM <input type="checkbox"/> PR					
Mannitol <input type="checkbox"/> IV					
Hypertonic saline (3%) <input type="checkbox"/> IV					
Pentoxifylline <input type="checkbox"/> IV					
Norepinephrine <input type="checkbox"/> IV <input type="checkbox"/> IM					
Albumin <input type="checkbox"/> IV					
Vasopressin <input type="checkbox"/> IV					
Terlipressin <input type="checkbox"/> IV					
Midodrine <input type="checkbox"/> IV					
Octreotide <input type="checkbox"/> IV					
Vitamin K <input type="checkbox"/> PO <input type="checkbox"/> IV					
Glucose <input type="checkbox"/> PO <input type="checkbox"/> IV					
Heparin <input type="checkbox"/> PO <input type="checkbox"/> SC <input type="checkbox"/> IV					
Other medications:					

2e. SUPPORTIVE CARE At any time during this admission, did the patient receive:

 ICU or high dependency unit admission? Yes No Unknown Date [D][D]/[M][M]/[2][0][Y][Y]

Discharge date [D][D]/[M][M]/[2][0][Y][Y]

 Oxygen therapy? Yes No Unknown Date [D][D]/[M][M]/[2][0][Y][Y]

If yes, complete all below:

 O₂ flow: 1–5 L/min 6–10 L/min 11–15 L/min > 15 L/min Unknown

 Non-invasive ventilation? Yes No Unknown Specify BiPAP CPAP HFNO

 Invasive ventilation (any)? Yes No Unknown Date [D][D]/[M][M]/[2][0][Y][Y]

 Extracorporeal liver support/extracorporeal support (ECMO)? Yes No Unknown Date: _____
 [D][D]/[M][M]/[2][0][Y][Y]

 Haemodialysis/peritoneal dialysis? Yes No Unknown Date [D][D]/[M][M]/[2][0][Y][Y]

 High-volume plasma exchange? Yes No Unknown Date [D][D]/[M][M]/[2][0][Y][Y]

 Inotropes/vasopressors? Yes No Unknown Date [D][D]/[M][M]/[2][0][Y][Y]

 Liver transplant Yes No Unknown Date [D][D]/[M][M]/[2][0][Y][Y]

Other _____

2f. DIAGNOSIS CATEGORY AND OUTCOME

- Acute hepatitis without liver failure at presentation or during clinical course
- Acute hepatitis without liver failure at presentation but developed liver failure during disease course but no transplantation
- Acute hepatitis without liver failure at presentation but developed liver failure during disease course and had transplantation
- Acute hepatitis with liver failure at presentation but without transplantation
- Acute hepatitis with liver failure at presentation and transplantation

 Outcome Discharged alive Hospitalized Transfer to other facility Death Palliative discharge Unknown

 Outcome date [D][D]/[M][M]/[2][0][Y][Y] Unknown

If discharged alive, ability to self-care at discharge versus before illness:

- Same as before illness Worse Better Unknown