

# Aetiology of severe undifferentiated febrile illness outbreaks in Sudan

## Case Report Form (V. 21.12.17)

<b>PARTICIPANT IDENTIFICATION NUMBER</b> [ ][ ][ ] - [ ][ ][ ] - [ ][ ][ ]	<b>Interviewer Initials:</b>	<b>LAB SAMPLE LABEL</b>
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**Health Facility:** \_\_\_\_\_ **Sample, and date taken (dd/mm/yyyy)**  
 Blood [ ][ ]/[ ][ ]/[ 2 ][ 0 ][ ][ ]

**Interview Date** [ ][ ]/[ ][ ]/[ 2 ][ 0 ][ ][ ]  Swab [ ][ ]/[ ][ ]/[ 2 ][ 0 ][ ][ ]

### I. PERSONAL INFORMATION *Complete at presentation/admission*

<b>Patient First Name:</b> _____	<b>Last Name:</b> _____
<b>SEX:</b> <input type="checkbox"/> Male <input type="checkbox"/> Female	<b>AGE:</b> [ ][ ][ ] years <b>OR</b> [ ][ ][ ] months (if < 3 years)
<b>Address</b> <i>(as detailed as possible)</i>	<b>STATE</b> _____
	<b>LOCALITY</b> _____
	<b>VILLAGE</b> _____
<b>Telephone No.</b> _____	
<b>Is the information given by family member or proxy decision-maker?</b> NO YES <i>[circle]</i>	
<b>Name of proxy</b> _____ <b>Relationship</b> _____	
<b>Information checked later with patient?</b> NO YES <i>[circle]</i>	

### 2. ADMISSION INFORMATION *Complete at presentation/admission*

**Date of consultation in /admission to this facility(DD/MM/YYYY):** [ ][ ]/[ ][ ]/[ 2 ][ 0 ][ ][ ]

**Date of symptom onset(DD/MM/YYYY):** [ ][ ]/[ ][ ]/[ 2 ][ 0 ][ ][ ]

**NUMBER OF DAYS ILL including today:** [ ][ ][ ] days

**TRANSFERED FROM another health facility?** YES NO UNKNOWN *[circle]*

*If YES: Name of transferring facility:* \_\_\_\_\_ **Location** \_\_\_\_\_

**Date admitted to transfer facility):** [ ][ ]/[ ][ ]/[ 2 ][ 0 ][ ][ ]  Unknown

**Is the Patient PREGNANT?** YES NO UNKNOWN Not Applicable *[circle]*

*If YES, trimester:* ONE TWO THREE *[circle]*

**Has the Patient recently delivered (within 12 weeks)?** YES NO Not Applicable *[circle]*

*If YES: Outcome of Pregnancy:* LIVE BIRTH STILL BIRTH MISCARRIAGE UNKNOWN *[circle]*

**Days/weeks since delivery?** [ ][ ][ ] days **OR** [ ][ ] weeks

**Is Patient breast-feeding:** YES NO UNKNOWN *[circle]*

**Is the Baby also ill?** YES NO YES/OTHER UNKNOWN **Baby Study PIN.**[ ][ ][ ] - [ ][ ][ ][ ]

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STUDY PARTICIPANT IDENTIFICATION NUMBER:

[ ][ ][ ] - [ ][ ][ ] - [ ][ ][ ]

**3. EXPOSURES** *Complete with at presentation/admission or as soon as possible after.  
Complete with patient as first choice. If not possible complete with family member*

**a. Patient occupation** *(tick a MAXIMUM of two occupations)*

- Child/Pupil/Student     Housewife     Unemployed     Retired  
 Trader     Labourer     Professional/Business     Teacher     Community/religious leader  
 Crop Farmer     Animal Farmer (sheep, goats, cattle, camel)     Butcher     Hunter  
 Health worker     Traditional healer     Traditional birth attendant  
 Other \_\_\_\_\_ *(specify)*

**b. Contact Factors:** *(tick ALL answers mentioned. Tick NO if no exposure for that type of risk factor)*

**In the past month has the patient:**

1. **Taken part in:**     a funeral     cultural traditions     NO
2. **Had close contact with a corpse or taken part in preparing the body**     YES     NO
3. **Cared for someone with an acute illness** (not chronic illness)     YES     NO
4. **Been exposed to someone else's blood or body fluids**     YES     NO
5. **Visited a:**     Baseer     Hijama     Kay     el Faki/ Foggera     NO
6. **Had contact with:**     Cows     Sheep/Goat     Camels     Horses/donkeys     Fowl/Birds  
 Buffalo     Rat     Dog     Cat     Monkey     NO
7. **Had contact with wild meat:**     YES     NO
8. **Bitten by:**     Tick     Lice     NO
9. **Travelled away from home in the past month**     YES     NO     Unknown  
 If YES, 1<sup>st</sup> location \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ (dates)  
 2<sup>nd</sup> location \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ (dates)

**c. Household Information**

- Number of:**    **Adults** [ ][ ][ ]     Unknown    **Children (<16y)** [ ][ ][ ]     Unknown  
**Type of house:**     Brick/Concrete     Mud     Tent     Grass hut     Unknown  
**Access to toilet:**     No access     Family's own     Shared toilet     Unknown  
**Water source:**     Piped water     Own well     Well outside compound     Unknown  
**Animals in household:**     YES     NO     Unknown

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[ ][ ][ ] - [ ][ ][ ] - [ ][ ][ ]

**4. SIGNS AND SYMPTOMS AT CONSULTATION/ADMISSION** *(First available data. Complete within 24 hours if possible) Ask patient about the symptoms they have experience from the start of their illness until today.*

**Temperature:** [ ][ ][ ] . [ ][ ] °C *(Find these information in the medical chart)*

**Heart rate:** [ ][ ][ ] beats per minute      **Respiratory rate:** [ ][ ][ ] breaths per minute

**Blood Pressure:** [ ][ ][ ] / [ ][ ][ ][ ] mmHg *(Write Systolic BP/Diastolic BP)*

**Clinically dehydrated?**    YES    NO    UNKNOWN

**Signs and symptoms** *(that have occurred with this episode of acute illness)*

<b>History of fever</b>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> Unkn	<b>BLEEDING</b>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> Unkn
<b>Headache</b>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> Unkn	<i>If YES, specify site(s):</i>	
<b>Fatigue/tiredness/lethargy</b>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> Unkn	Gums	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> Unkn
<b>Muscle aches (myalgia)</b>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> Unkn	Mouth (palate)	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> Unkn
<b>Joint pain (arthralgia)</b>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> Unkn	Nose	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> Unkn
<b>Vomiting</b>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> Unkn	Eyes	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> Unkn
<b>Diarrhoea</b>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> Unkn	Ears	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> Unkn
<b>Difficulty swallowing</b>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> Unkn	Petechiae/Purpura	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> Unkn
<b>Shortness of Breath</b>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> Unkn	Muscle Haematoma	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> Unkn
<b>Loss of appetite</b>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> Unkn	Bloody sputum/ cough	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> Unkn
<b>Abdominal pain</b>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> Unkn	Fresh red blood in vomit	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> Unkn
<b>Hiccups</b>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> Unkn	Brown blood in vomit (coffee grounds)	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> Unkn
Red eyes	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> Unkn	Fresh red blood in stool	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> Unkn
<b>Skin rash</b>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> Unkn	Melaena (black) blood in stool	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> Unkn
Dizziness	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> Unkn	Venepuncture sites	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> Unkn
<b>Confusion</b>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> Unkn	Blood in Urine	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> Unkn
Seizures	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> Unkn	Vaginal (non-menstrual)	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> Unkn
<b>Enlarged lymph nodes</b>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> Unkn	<b>Back pain</b>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> Unkn
Cough	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> Unkn	<b>Chest pain</b>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> Unkn
<b>Sore throat</b>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> Unkn	<b>Minor Bruising</b>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> Unkn
Jaundice	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> Unkn	<b>Major bruising</b>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> Unkn

**Any symptom not mentioned above:**

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STUDY PARTICIPANT IDENTIFICATION NUMBER:

[ ][ ][ ] - [ ][ ][ ] - [ ][ ][ ]

<b>5. DAILY OBSERVATIONS AND TREATMENTS:</b> <i>to be completed daily if admitted</i> Record the most <b>abnormal</b> value for the each day of admission Use the information in the medical chart							
	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
<b>DATE:</b> <i>dd/mm</i>	_ / _	_ / _	_ / _	_ / _	_ / _	_ / _	_ / _
<b>Temperature</b> <i>Record highest of day or NR</i>							
<b>Lowest Consciousness*</b> <i>Write : A, V, P or U or NR</i>							
<b>Diarrhoea</b> <i>Y/N/NR</i>							
<b>Vomiting</b> <i>Y/N/NR</i>							
<b>Bleeding</b> <i>Y/N/NR</i>							
<i>If YES, record where!</i> <i>if &gt; 2 locations write in notes</i>							
<b>Urine output</b> (litres/day)							
<b>Did the patient receive intravenous fluids in the past 24 hours?</b>							
<b>Intravenous fluids</b> <i>Y/N</i>							
<b>IF YES: record volume</b> in litres/24 hours							
<b>Any additional notes:</b>							

\* Level of consciousness: mark highest/lowest AVPU level, where A is the highest and U is the lowest level

**A**(Patient is awake);

**V** (Responds to verbal stimulation)

**P**(Responds to painful stimulation);

**U** (Completely unresponsive)

**NR** : not recorded

## UFOS CASE REPORT FORM

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[ ][ ][ ] - [ ][ ][ ] - [ ][ ][ ]

**6. LABORATORY RESULTS:** *to be completed daily if hospitalized – if more than 7 days, attach a second sheet.*

**\*\* ONLY TESTS REQUIRED FOR STANDARD MANAGEMENT SHOULD BE DONE. STUDY TEAM MUST NOT ASK STAFF TO DO EXTRA TESTS. PATIENTS MUST NOT BE ASKED TO PAY FOR ANY ADDITIONAL TESTS “FOR THE STUDY”**

*Mark the correct unit where indicated. If > 1 test per day, use most abnormal value. If not done enter “ND”.*

	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
<b>DATE:</b> dd/mm	_ / _	_ / _	_ / _	_ / _	_ / _	_ / _	_ / _
<b>Haemoglobin</b> g/dL							
<b>WBC count</b> x10 <sup>3</sup> /μL							
<b>Platelets</b> x10 <sup>3</sup> /μL							
<b>APTT</b>							
<b>PT</b> (seconds)							
<b>INR</b>							
<b>Blood Urea Nitrogen</b> mg/d							
<b>Glucose</b> mg/dL							
<b>Creatinine</b> □mg/dL							
<b>Bilirubin</b> □mg/dL							
<b>AST/SGOT</b> U/L							
<b>ALT/SGPT</b> U/L							
<b>Creatine kinase</b> U/L							

**Others** (specify test, date done and result)

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[ ][ ][ ] - [ ][ ][ ] - [ ][ ][ ]

### COMPLETE THIS PAGE WHEN PARTICIPANT LEAVES THE HEALTH FACILITY

#### 6. PARTICIPANT OUTCOME

*(choose only ONE outcome: TICK the box, write the date or unknown)*

**DISCHARGED** recovered

Date of discharge (DD/MM/YYYY) [ ][ ]/[ ][ ]/[ 2 ][ 0 ][ ][ ]

Unknown

**DIED** in facility from disease of interest:

Date of death: (DD/MM/YYYY) [ ][ ]/[ ][ ]/[ 2 ][ 0 ][ ][ ]

Unknown

**TRANSFERRED** to another facility:

If **YES**, name of new facility or location: \_\_\_\_\_  Unknown

Date of Transfer: (DD/MM/YYYY) [ ][ ]/[ ][ ]/[ 2 ][ 0 ][ ][ ]

Unknown

**LOST TO FOLLOW UP** (includes self-discharge/escape and family removal)

Date last seen: (DD/MM/YYYY) [ ][ ]/[ ][ ]/[ 2 ][ 0 ][ ][ ]

Unknown

Tick this box if information about the participant's outcome has been received since patient left

*Enter this information in 30-day Follow-Up Form.*

**WITHDRAWN** from study

Date of withdrawal: (DD/MM/YYYY) [ ][ ]/[ ][ ]/[ 2 ][ 0 ][ ][ ]

Unknown date

Give reason: \_\_\_\_\_

Unknown reason

\_\_\_\_\_

Outcome information completed by (Name) \_\_\_\_\_

**REMEMBER:** to request that the participant return for the 30-day follow up! Give the participant or their family member the date to return and the telephone number of the Field Work Supervisor. Inform the participant that transport costs to come back to the clinic will be reimbursed for themselves and for a person accompanying them when they come back to give the sample.

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STUDY PARTICIPANT IDENTIFICATION NUMBER:

[ ][ ][ ] - [ ][ ][ ] - [ ][ ][ ]

### ROUTINE TREATMENT RECORD: COMPLETE THIS PAGE AT DISCHARGE OR DEATH

8. MEDICATION: While hospitalised or at discharge, were any of the following administered? If YES what was given and for how many days?					
<b>Antibiotics?</b> YES NO Unknown Name of medication: # of days:	<b>Anti-malarials?</b> YES NO Unknown Name of medication: # of days:				
<b>Anti-virals?</b> YES NO Unknown Name of medication: # of days:	<b>NSAIDs?</b> YES NO Unknown Name of medication: # of days:				
<b>Blood or platelet transfusion?</b> (specify which) YES NO Unknown	<b>Other medication</b> (specify)				

9. ROUTINE INFECTION TESTING: Have any of the following tests been done during the patient's admission?					
Pathogen	Date of sample <small>(DD/MM/YYYY)</small>	Lab ID Number	Sample Type	Method	Result
Malaria			<input type="checkbox"/> Blood <input type="checkbox"/> Other, specify:	<input type="checkbox"/> RDT <input type="checkbox"/> Microscopy	<input type="checkbox"/> Positive <input type="checkbox"/> Negative <input type="checkbox"/> Unknown
Crimean Congo Haemorrhagic Fever Virus			<input type="checkbox"/> Blood <input type="checkbox"/> Other, specify:	<input type="checkbox"/> PCR <input type="checkbox"/> IgM <input type="checkbox"/> IgG <input type="checkbox"/> Other _____	<input type="checkbox"/> Positive <input type="checkbox"/> Negative <input type="checkbox"/> Unknown
Dengue			<input type="checkbox"/> Blood <input type="checkbox"/> Other, specify:	<input type="checkbox"/> PCR <input type="checkbox"/> IgM <input type="checkbox"/> IgG <input type="checkbox"/> Other _____	<input type="checkbox"/> Positive <input type="checkbox"/> Negative <input type="checkbox"/> Unknown
Rift Valley Fever			<input type="checkbox"/> Blood <input type="checkbox"/> Other, specify:	<input type="checkbox"/> PCR <input type="checkbox"/> IgM <input type="checkbox"/> IgG <input type="checkbox"/> Other _____	<input type="checkbox"/> Positive <input type="checkbox"/> Negative <input type="checkbox"/> Unknown
Yellow Fever			<input type="checkbox"/> Blood <input type="checkbox"/> Other, specify:	<input type="checkbox"/> PCR <input type="checkbox"/> IgM <input type="checkbox"/> IgG <input type="checkbox"/> Other _____	<input type="checkbox"/> Positive <input type="checkbox"/> Negative <input type="checkbox"/> Unknown
Ebola Virus			<input type="checkbox"/> Blood <input type="checkbox"/> Other, specify:	<input type="checkbox"/> PCR <input type="checkbox"/> IgM <input type="checkbox"/> IgG <input type="checkbox"/> Other _____	<input type="checkbox"/> Positive <input type="checkbox"/> Negative <input type="checkbox"/> Unknown
Other (specify)					<input type="checkbox"/> Positive <input type="checkbox"/> Negative <input type="checkbox"/> Unknown

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[\_][\_][\_] - [\_][\_][\_] - [\_][\_][\_]

**I0. Additional Participant Notes Form:**

*Write any additional information about the patient's illness, exposures or their 'story' here, also their home address if it is different from where they developed symptoms.*