**Initials of person completing form: \_\_\_\_\_\_\_\_**

Form Approved

OMB No. 0920-1033

Exp. Date 04/30/2015

**Date of completion of form (dd/mm/yy): \_\_\_\_\_\_\_\_\_\_\_\_\_**

**PLEASE SEND COMPLETED FORM TO: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Health-care workers (HCWs) and Ebola Virus Disease (EVD) exposure risk:**

**reporting form to be completed for EVD cases in HCWs**

**Case ID number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Thank you for considering this study. The Sierra Leone Ministry of Health, together with the World Health Organization and the Centers for Disease Control are trying to learn more about how and why health care workers in Sierra Leone are getting Ebola virus disease. We want to learn more about how people are getting sick so that we can help prevent infections in the future. We will ask you some questions about what happened before you fell ill. If you agree, we would also like to ask some questions to your co-workers to learn more about what might have happened to make you ill. You will not be punished for practices that may have exposed you to Ebola virus infection and we will not share your information outside of study staff. We will record your name and address so that health workers can find you and make sure we only ask you these questions once. Only the study team can see your information and they will only look at your information when they are working on the study. All the information will be in locked computer files on a protected computer at WHO. Information will be summarized in reports. We will not report anything about you individually. You are free to choose whether or not to be in this study. You are also free to say no to any part of this study. You will not lose any of your usual health services or other benefits even if you say no. Even if you say yes, you may change your mind at any time. If you have questions or concerns, you can call Dr. Alie Wurie at the Ministry of Health at +232-076671100. (Provide card with phone # and name).

1. **BASIC INFORMATION**

**Person being interviewed:**

❏ Patient ❏ Co-worker (not supervisor)

❏ Patient’s supervisor ❏ Family member (specify): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

❏ Other (specify): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Site of interview**

❏ Home of patient ❏ Workplace of patient (specify): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

❏ Holding center/ETU/CCC ❏ Other: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Case classification:** ❏ Suspected ❏ Confirmed ❏ Unknown

**Case status at evaluation**: ❏ Alive ❏ Deceased (date: \_\_\_/\_\_\_/\_\_\_) ❏ Unknown

1. **PATIENT (HCW) IDENTITY**

Last name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ First Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Second Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date of birth (mm/dd/yy) \_\_\_/\_\_\_/\_\_\_ Age (years)\_\_\_\_\_ Sex ❏ M ❏ F

Village of residence \_\_\_\_\_\_\_\_\_\_\_\_­­­\_\_\_\_\_ District \_\_\_\_\_\_\_\_\_\_\_\_ Nationality: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. **CLINICAL COURSE**

**Date of symptom onset** \_\_\_/\_\_\_/\_\_\_ **Date patient stopped working**: \_\_\_/\_\_\_/\_\_\_\_

**Date of first visit to healthcare facility**: \_\_\_/\_\_\_/\_\_\_ **Facility name**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Was patient admitted at first visit?** ❏ Yes ❏ No ❏ DK (don’t know)

If **NO**, what was the suspected diagnosis?

❏Suspect malaria ❏Suspect other infection

❏Suspect typhoid ❏Other: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**If patient WAS NOT admitted at first presentation, please check all activities patient undertook/treatments patient received *between symptom onset and isolation***

❏ Took antimalarials ❏ Took ORAL antibiotics ❏ Took IV antibiotics ❏ Took NSAIDS

❏ Sought care with a traditional healer ❏ Sought care from a family member/friend

❏ Sought care from another healthcare worker outside of a healthcare facility

❏ Went to a different healthcare facility for care

Public reporting burden of this collection of information is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a currently valid OMB control number. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to CDC/ATSDR Information Collection Review Office, 1600 Clifton Road NE, MS D-74, Atlanta, Georgia 30333; ATTN: PRA (0920-1033).

**Was patient ever isolated for their Ebola infection**? ❏ Yes ❏ No ❏ DK

If **YES**, date of patient isolation: \_\_\_/\_\_\_/\_\_\_

**Site of patient isolation**:

❏ Holding center (specify): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

❏ Alternate site/room at hospital specifically for healthcare worker isolation

❏ Other: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Was patient transferred to Ebola treatment center**? ❏ Yes ❏ No ❏ DK

If **YES,** date of transfer: \_\_\_/\_\_\_\_/\_\_\_\_\_

Ebola treatment center where patient treated: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Ebola blood testing**

Date of blood draw for testing \_\_\_/\_\_\_/\_\_\_ Date of confirmation: \_\_\_/\_\_\_/\_\_\_

**4. PATIENT’S OCCUPATION** (tick the appropriate box and provide details if/when necessary)

❏ Ambulance driver ❏ Ambulance driver mate ❏ Burial team ❏ CHO ❏ CHA ❏ Cleaner

❏ Community health worker ❏ Contact tracer ❏ District medical officer ❏ Doctor

❏ Laboratory staff ❏ Midwife ❏ Morgue staff ❏ Porter

❏ Nurse ❏ Nurse’s Aide ❏ Office staff ❏ SECHN

❏ Security officer ❏ Surveillance officer ❏ Traditional healer ❏ Traditional birth attendant

❏ Other (specify): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Primary work place** at the time of infection:

❏ Ebola Treatment Center ❏ Ebola Care Unit ❏ “Transit”/”Holding” center ❏ Public hospital ❏ Community Care Center (CCC) ❏ Observational Interim Care Center (OICC)

❏ DHMT Office ❏Outpatient setting ❏ Laboratory ❏ Ambulance ❏ DK

❏ Other type of HCF:\_\_\_\_\_\_\_\_\_\_\_\_

**If patient worked at a healthcare facility (HCF), provide HCF name**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**If hospital or outpatient, setting, what service**:

❏ General Care ❏ Maternity ❏ Laboratory ❏ Medicine ❏ Pediatric ❏ Surgery

❏ Emergency ❏ Blood Transfusion ❏ Administration ❏ Morgue

❏ Other (specify): \_\_\_\_\_\_\_\_\_\_\_

**At their primary occupation, was patient a volunteer?** ❏ Yes ❏ No ❏ DK

**ADDITIONAL work place** (paid or voluntary) at the time of infection:

❏ Ebola Treatment Center ❏ Ebola Care Unit ❏ “Transit”/”Holding” center ❏ Public hospital

❏ Community Care Center (CCC) ❏ Observational Interim Care Center (OICC) ❏ DHMT Office

❏Outpatient setting ❏ Laboratory ❏ Ambulance ❏ DK ❏ Other type of HCF (specify):\_\_\_\_\_\_

❏ Other NON-HCF (specify):\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**If hospital or clinical outpatient setting, what service**:

❏ General Care ❏ Maternity ❏ Laboratory ❏ Medicine ❏ Pediatric ❏ Surgery

❏ Emergency ❏ Blood Transfusion ❏ Administration ❏ Morgue ❏Other (specify): \_\_\_\_

**At the additional workplace, was patient a volunteer?** ❏ Yes ❏ No ❏ DK

**Was patient known to provide health-related care to neighbors, family, or others outside**

**of their work?** ❏ Yes ❏ No ❏ DK (don’t know)

**5. EXPOSURES**

**Workplace-associated activities that may have led to exposure** (*check all that apply*)**:**

❏ Provided general patient care (took vital signs, examined patients)

❏ Fed patients or administered oral medications ❏ Delivered babies

❏ Bathed or cleaned patients ❏Moved patients (touched patients)

❏ Gave injection ❏ Drew blood ❏ Performed fingerprick

❏ Recapped needle ❏ Discarded sharps

❏ Put in IV/handled line ❏ Placed/handled urinary catheter

❏ Cleaned blood/vomit/diarrhea ❏ Cleaned the patient room or ward

❏ Handled lab specimens ❏ Controlled bleeding ❏ Touched contaminated surfaces ❏ Performed invasive procedure ❏ Performed /assisted with surgery

❏ Moved dead bodies ❏ Performed autopsy

❏ Cleaned or disinfected latrines

❏ Handled waste ❏ Handled linen or clothes or mattresses (cleaners)

❏ Other: (specify) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Contact with EVD patients outside the primary work facility**

**Did the HCW have contact\* with anyone who had suspected/confirmed EVD outside of the primary work facility during the three weeks before their symptom onset?**

❏ Yes ❏ No ❏ DK

**If YES, specify relationship of EVD patient with HCW (*check all that apply*):**

❏ Patient ❏ Other HCW ❏ Household member ❏ Other friend / relative ❏ None

**Specify type of exposure:**

❏ Provided general patient care (took vital signs, examined patients)

❏ Fed patients or administered oral medications ❏ Delivered babies

❏ Bathed or cleaned patients ❏Moved patients (touched patients)

❏ Gave injection ❏ Drew blood ❏ Performed fingerprick

❏ Recapped needle ❏ Discarded sharps

❏ Put in IV/handled line ❏ Placed/handled urinary catheter

❏ Cleaned blood/vomit/diarrhea ❏ Cleaned the patient room or ward

❏ Handled lab specimens ❏ Controlled bleeding ❏ Touched contaminated surfaces

❏ Performed invasive procedure ❏ Performed /assisted with surgery

❏ Moved dead bodies ❏ Performed autopsy

❏ Cleaned or disinfected latrines ❏ Handled waste

❏ Handled linen or clothes or mattresses (cleaners)

❏ Physically assisted patient in ambulance or other vehicle

❏ Touched patient during home visit (e.g., DSO or contact tracer)

❏ Other: (specify) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Did the HCW attend any funeral of someone who might have died of Ebola in the 3 weeks preceding the onset of the symptoms? ❏ Yes ❏ No ❏ DK**

**If YES,** did the HCW participate in the preparation of burials that involved touching the dead body without adequate PPE (gloves, impermeable gown, impermeable head cover with neck protection, rubber boots, face mask and face shield or goggles)? ❏ Yes ❏ No ❏ DK

**6. MOST LIKELY EXPOSURE TO EVD**

Did the interviewee describe any single exposure that most likely led to infection? ❏ Yes ❏ No ❏ DK

If **No or DK**, skip to question 7

If **Yes**, specify the date: \_\_\_/\_\_\_/\_\_\_ (dd/mm/yy)

**Setting** where suspected exposure occurred:

❏ Ebola Treatment Center ❏ Ebola Care Unit ❏ “Transit”/”Holding” center ❏ Public hospital

❏ Community Care Center (CCC) ❏ Observational Interim Care Center (OICC)

❏Outpatient setting ❏ Laboratory ❏ Ambulance ❏ DK

❏ Other type of HCF (specify):\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

❏ Patient’s home ❏ Someone else’s home (specify):\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

❏ Other community setting (specify) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Mode of exposure:**

❏ Needle stick ❏Scalpel cut ❏Blood/body fluid splash on intact skin   
❏ Blood/body fluid splash on non-intact skin ❏ Blood/body fluid splash on eye   
❏ Blood/body fluid splash on mouth/lips ❏ Other (specify) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**7. INFECTION PREVENTION AND CONTROL ASPECTS OF PRIMARY WORK PLACE**

**Use of PPE and Standard Precautions**

At time of exposure, was a screening station set up at the primary work facility to separate suspect/possible Ebola patients from other patients? ❏ Yes ❏ No ❏ DK ❏ N/A (not applicable)

At time of exposure, were there spraying staff at primary work facility? ❏Yes ❏No ❏DK ❏N/A

**If exposure was at work**, was PPE available to the patient at time of exposure? ❏Yes ❏ No ❏ DK

If **YES**, which:

❏ Single gloves ❏ Double gloves ❏ Disposable gown ❏ Waterproof apron

❏ Coverall (Tyvek-like) ❏ Coverall (Tychem-like) ❏ Cap ❏ Hood

❏ Face shield ❏Face mask ❏Goggles ❏N-95 or above respirator

❏ Closed resistant shoes ❏ Shoe covers ❏ Rubber boots ❏ Leg covers

❏ Other (specify): \_\_\_\_\_\_\_\_\_\_\_\_

**If exposure was at work**, was any PPE USED by patient at time of exposure? ❏ Yes ❏ No ❏ DK

If **YES**, which:

❏ Single gloves ❏ Double gloves ❏ Disposable gown ❏ Waterproof apron

❏ Coverall (Tyvek-like) ❏ Coverall (Tychem-like) ❏ Cap ❏ Hood

❏ Face shield ❏Face mask ❏Goggles ❏N-95 or above respirator

❏ Closed resistant shoes ❏ Shoe covers ❏ Rubber boots ❏ Leg covers

❏ Other (specify): \_\_\_\_\_\_\_\_\_\_\_\_

If **NO**, why not?

❏ No PPE at facility ❏ PPE present, but did not think the situation required it

❏ PPE present, but did not know how to use ❏ PPE present, but forgot/neglected to use

❏ Other: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Did the HCW apply duct tape to secure PPE?** ❏ Yes ❏ No ❏ DK

Were **hand hygiene** products available at time of exposure? ❏ Yes ❏ No ❏ DK

*If Yes*, which: ❏ Running (tap) water ❏ Chlorinated water from reservoir

❏ Soap ❏ Disposable towels ❏ Alcohol antiseptic

About how many minutes did HCW stay in PPE\*\* during each entry in isolation/ETU per day?\_\_ mins

About how many times per day did HCW enter isolation/ETU in PPE? \_\_\_\_\_ times per day

About how many days did HCW work in isolation/ETU per week?\_\_\_days ❏ Not applicable

Was HCW trained on infection prevention/control in the context of the Ebola outbreak? ❏ Yes ❏ No

**If YES,** please indicate the training organization below:

❏ National Government ❏ DHMT staff ❏ Hospital staff

❏ WHO ❏ CDC ❏ MSF ❏ UNMEER ❏ Other (specify): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ❏ Don’t know

**Were other healthcare workers quarantined as a result of this HCW infection**? ❏ Yes ❏ No ❏ DK

**If YES**, (approximate if exact number unknown), how many HCW were quarantined? \_\_\_\_\_\_

\*Contact defined as the HCW touching, without proper personal protective equipment (PPE), a suspect or confirmed EVD patient or their bodily fluids

\*\*PPE=gloves, impermeable gown or coverall, impermeable head cover with neck protection, rubber boots, face mask and face shield or goggles

Additional details of exposure or comments: ­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ADMINISTRATIVE USE ONLY:

**Is case in VHF?** ❏ Yes ❏ No ❏ DK ❏ Not yet, but check back later (<1 month after onset)

**If yes, is case marked as Healthcare Worker in VHF?** ❏ Yes ❏ No

**VHF case ID:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_