# Exercise Plan: Frontline Facilities for HCID #5 Specimen Management Table Top

Date: Time: Type of Exercise (circle one): mini-drill table top game

Purpose: To test system of drawing, processing, and transport of lab specimens from a patient with potential HCID.

Scenario: The provider would like to order blood tests for chemistries, blood gases, and viral hemorrhagic fever (VHF). The provider must determine if specimens can be processed in the hospital’s lab. Determine how to transport specimens to MDH.

Objective (SMART): To test the hospital’s procedure for management of serologic testing from a patient with VHF.

Location in Facility (circle one): Emergency Department Urgent Care Clinic Procedure Area

Participants and Agencies involved:

Exercise Director:

Evaluator:

Actor:

Participants:

Master Scenario Events List (MSEL)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Inject # | Inject Time | Inject Description | Expected Action | Outcome – Evaluation Notes |
| 1 |  | Patient is determined to be at risk for VHF. The patient is clinically stable with no signs of vomiting, diarrhea, or bleeding | Patient in proper isolation for VHF. \*HCID Level 1 Full Barrier Isolation PPE. |  |
| 2. |  | Physician orders blood tests and a throat swab for influenza | Lab Director is consulted for policy on processing blood specimens and throat swabs from a patient with potential VHF |  |
|  |  |  | Lab Director and provider determine what test are absolutely necessary and can be performed at this facility. The Lab may decide to refuse processing of specimens. |  |
| 3. |  | MDH requests specific specimens to test for VHF | Providers decide that only blood for VHF testing will be obtained at this time |  |
|  |  |  | Facility’s procedures for blood draw and specimen transport are reviewed |  |
|  |  |  | Proper procedure for transferring blood out of the patient room is completed |  |
|  |  |  | Blood is placed in the hard outer container |  |
|  |  |  | Arrangements made with MDH on how to deliver specimens to the MDH Laboratories |  |
|  |  |  | MDH Lab is contacted if there are questions at 612-282-3723 |  |

## Hotwash Notes:

Director, Evaluator, Actor, Participants

## After Action Report:

### Strengths:

### Opportunity for Improvement: (Ask the 5 Whys)

|  |  |  |
| --- | --- | --- |
| Improvement/Correction Action: | Assigned to: | Due by: |
| 1. |  |  |
| 2. |  |  |
| 3. |  |  |

## Definitions:

**Frontline Hospitals:** all hospitals are considered frontline hospitals

**HCID:** high consequence infectious disease

**\*HCID Full Barrier Isolation PPE Levels:**

**Level 1 (have available close to point of care in kits or on cart)**

* Fluid-resistant gown or coverall (ANSI/AAMI level 3)
* Gloves that extend past gown cuff
  + 2 pairs for suspected viral hemorrhagic fever (VHF)
  + 1 pair for viral respiratory pathogens
* Fit-tested N95 respirator or PAPR (CDC states regular face mask can be used for clinically stable persons under investigation (PUIs) with suspected VHF)
* Full face shield
* Hair cover and booties optional

**Level 2 (have PPE list below stating where items can be found)**

* Impermeable gown extending to mid-calf or coverall (ANSI/AAMI level 4)
* 2 pairs of gloves that extend past gown cuff
* Fit-tested N95 respirator or PAPR
* Hood or head cover that extends to shoulders and covers neck
* Full face shield
  + Impervious boots extending to mid-calf
  + All skin covered; use apron in some circumstances

## References:

[CDC: Biosafety in Microbiological and Biomedical Laboratories (BMBL) 5th Edition (https://www.cdc.gov/labs/BMBL.html)](https://www.cdc.gov/labs/BMBL.html) – Appendix C, page 336

[CDC: Ebola Packaging and Shipping Clinical Specimens Diagram   
(https://www.cdc.gov/vhf/ebola/laboratory-personnel/shipping-specimens.html)](https://www.cdc.gov/vhf/ebola/laboratory-personnel/shipping-specimens.html)

[CDC: Guidance for Collection, Transport and Submission of Specimens for Ebola Virus Testing (https://www.cdc.gov/vhf/ebola/laboratory-personnel/specimens.html)](https://www.cdc.gov/vhf/ebola/laboratory-personnel/specimens.html)

[CDC: Guidance for U.S. Laboratories for Managing and Testing Routine Clinical Specimens When There is a Concern about Ebola Virus Disease (https://www.cdc.gov/vhf/ebola/laboratory-personnel/safe-specimen-management.html)](https://www.cdc.gov/vhf/ebola/laboratory-personnel/safe-specimen-management.html)

www.health.state.mn.us

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