



North Carolina Department of Health and Human Services

Ebola Prevention and Response Training

School Scenario

Objectives

- To recognize signs and symptoms of Ebola Virus Disease (EVD)
- To initiate rapid response measures
- To evaluate current response plans
- To strategize to respond more effectively to a potential EVD outbreak

Table Top Exercise Instructions

- Systematically think through the case as if it was a real scenario
- Participation and discussion is important
 - Teamwork
 - All comments and questions are valuable

Who is a Person Under Investigation for Ebola?

Clinical Criteria

- Fever $\geq 100.4^{\circ}\text{F}$
- OR**
- Any of the Following:
 - Headache
 - Muscle Pain
 - Vomiting
 - Diarrhea
 - Abdominal Pain
 - Unexplained bruising or bleeding

AND

Epidemiological Risk Factors

- Symptom onset within past 21 days of exposure to any of the following:
 - Contact with blood, other bodily fluids or human remains of patient known or suspected to have EVD
 - Residence in or travel to area where EVD transmission is active
 - Direct handling of bats or other non-human primates in endemic area

Scenario

It is 10 AM in the morning. You work as a school nurse at an elementary school and see a 3rd grade student who presents with a temperature of 102°F. She vomited in the classroom and now vomits in front of you. You call her mother to inform her that her daughter is too ill to be at school and needs to go home.



Discussion

- What other questions would you ask?



Scenario Continued

- The child's mother tells you that her brother is visiting from Guinea and has been staying with them for the past week
- The mother reports that her brother is also complaining of a fever and headache, and has had multiple episodes of vomiting since yesterday evening
- The mother says that she will try to send her husband to pick up the child later this afternoon

Discussion Continued

- Could this be Ebola?



From the School Perspective...

- When would it be necessary to contact the Health Department?
- How would you isolate the student at the school?
- What measures should you take immediately to protect yourself and others at the school?
- Who else needs to be notified?
- What communication plan do you have to deal with this type of situation?
- How would you handle student's waste at the school?
- How would you handle decontaminate at the school?
- What factors would lead you to make a decision to close the school?

From the Health Department Perspective...

- What is the CDC guidance on the evaluation of ill patients suspected of Ebola coming from West Africa?
- Which persons in the school who were with the student should be considered as “contacts” for contact tracing?
 - Who will be actively monitored?
 - Are there other persons who should be considered suspect Ebola cases and also isolated and sent for medical evaluation?
- What forms/instructions do you need? Are there any regulations that you need to comply with?
- What arrangements need to be made to accommodate and work with CDC investigators, DPH contact tracers, and the media, if necessary?

Acknowledgements

The North Carolina Division of Public Health expresses its appreciation to

Bhavini Patel Murthy, MD, MPH
Preventive Medicine
University of North Carolina at Chapel Hill

Neil Chandra Murthy, MD, MPH
Emergency Medicine
Duke University Medical Center

for their assistance in creating scenarios to better prepare local health department Epidemiological Teams for an Ebola Exposure event.

For more information, please contact the North Carolina Division of Public Health Communicable Disease Branch at 919-733-3419