Ebola Virus Disease (Ebola)  
Algorithm for Evaluation of the Returned Traveler

**Fever** (subjective or \(\geq 100.4^\circ\text{F} \text{ or } 38.0^\circ\text{C}\)) or compatible Ebola symptoms* in a patient who has resided in or traveled to a country designated by CDC as posing a risk of Ebola exposure** in the 21 days before illness onset

* headache, weakness, muscle pain, vomiting, diarrhea, abdominal pain, or hemorrhage

YES

1. Isolate patient in single room with a private bathroom and with the door to hallway closed
2. Implement standard, contact, and droplet precautions (gown, facemask, eye protection, and gloves)
3. Notify the hospital Infection Control Program and other appropriate staff
4. Evaluate for any risk exposures for Ebola
5. IMMEDIATELY report to the health department

HIGH-RISK EXPOSURE

- Percutaneous (e.g., needle stick) or mucous membrane contact with blood or body fluids from an Ebola patient
- Direct skin contact with, or exposure to blood or body fluids of, an Ebola patient
- Processing blood or body fluids from an Ebola patient without appropriate personal protective equipment (PPE) or biosafety precautions
- Direct contact with a dead body (including during funeral rites) in a country designated by CDC as posing a risk of Ebola exposure** without appropriate PPE

LOW-RISK EXPOSURE

- Household members of an Ebola patient and others who had brief direct contact (e.g., shaking hands) with an Ebola patient without appropriate PPE
- Healthcare personnel in facilities with confirmed or probable Ebola patients who have been in the care area for a prolonged period of time while not wearing recommended PPE

NO KNOWN EXPOSURE

- Residence in or travel to a country designated by CDC as posing a risk of Ebola exposure** without HIGH- or LOW-risk exposure

** CDC Website to check current countries designated by CDC as posing a risk of Ebola transmission:  
http://www.cdc.gov/vhf/ebola/hcp/case-definition.html

TESTING IS INDICATED

The health department will arrange specimen transport and testing at a Public Health Laboratory and CDC

The health department, in consultation with CDC, will provide guidance to the hospital on all aspects of patient care and management

TESTING IS NOT INDICATED

If patient requires in-hospital management:
- Decisions regarding infection control precautions should be based on the patient’s clinical situation and in consultation with hospital infection control and the health department
- If patient’s symptoms progress or change, re-assess need for testing with the health department

If patient does not require in-hospital management:
- Alert the health department before discharge to arrange appropriate discharge instructions and to determine if the patient should self-monitor for illness
- Self-monitoring includes taking their temperature twice a day for 21 days after their last exposure to an Ebola patient

* CDC Website to check current countries designated by CDC as posing a risk of Ebola transmission:
http://www.cdc.gov/vhf/ebola/hcp/case-definition.html

This algorithm is a tool to assist healthcare providers identify and triage patients who may have Ebola. The clinical criteria used in this algorithm (a single symptom consistent with Ebola) differ from the CDC case definition of a Person Under Investigation (PUI) for Ebola, which is more specific. Public health consultation alone does not imply that Ebola testing is necessary. More information on the PUI case definition:  
http://www.cdc.gov/vhf/ebola/hcp/case-definition.html

Adapted by NC DPH (11/20/2014)