

Emergency Department Ebola Virus Disease (EVD) Risk Assessment Algorithm

For anyone that presents with symptoms of EVD, travel or contact history that raises concern about EVD.

In the 21 days prior to symptom onset, has the patient:

- ▶ Lived in or travelled to/from Guinea, Liberia or Sierra Leone?
- OR ▶ Been exposed to a suspected or confirmed case of Ebola?
- OR ▶ Been told to self-monitor for EVD?

YES

NO

* If any concerns, contact medical health officer for advice.

Initial precautions:

Instruct patient to perform hand hygiene, put on surgical mask and move to designated assessment area.

Continue with normal triage and patient care.

Assess for any one of the following (verbal questions, with no contact):

- Fever
- Malaise
- Myalgia
- Severe headache
- Conjunctival injection
- Pharyngitis
- Abdominal pain
- Vomiting, diarrhea that can be bloody
- Bleeding not related to injury (e.g., petechiae, ecchymosis, epistaxis)
- Unexplained hemorrhage
- Erythematous maculopapular rash on the trunk

NO

Continue with normal triage and patient care AND call medical health officer to arrange for post ED follow up.

YES

Isolate and notify

- Avoid normal triage procedures while still providing urgent emergency care if necessary.
- Move patient to designated isolation room. Follow strict contact and droplet precautions.
- Move accompanying persons to separate area for further assessment and referral to medical health officer.
- Notify emergency physician and local resources.
- Post signage and use sign-in/sign-out sheets.
- Contact medical health officer. If EVD is in the differential diagnosis, the medical health officer calls the expert risk assessment team.

Put on personal protective equipment

Further assessment and initial care

- Physician performs in-depth assessment with further review of history, and signs and symptoms.
- Review and confirm need for diagnostics, treatment and transfer with expert team.

NO RISK

Continue with normal triage and patient care.

**RISK CONFIRMED:
TRANSFER REQUIRED**

Prepare for transport

- Contact Patient Transfer Network (1 866 233-2337) to organize receiving site and transfer.
- Prepare patient.

**RISK CONFIRMED:
NO TRANSFER REQUIRED**

Proceed with protocol based investigation and care.

- For EVD Testing Algorithm, see Appendix C.