

Screening Algorithm For Pharmacists



ONTARIO
PHARMACISTS
ASSOCIATION

Advocating Excellence
in Practice and Care

Viral Overview – Symptoms And Mortality



**Ebola Virus Disease
(EVD)**

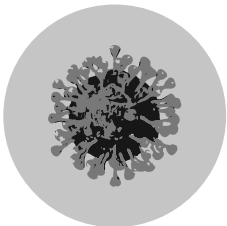
EVD is a severe illness that has an incubation period of 2 to 21 days.

Persons with EVD are NOT infectious during the incubation period (i.e. they are not infectious prior to the onset of symptoms).

Initial symptoms typically include:

- Sudden onset of fever, usually with headache
- Malaise and myalgia
- Gastrointestinal symptoms (i.e., diarrhea, abdominal pain, vomiting) are common
- Respiratory symptoms such as sore throat and cough
- Rash, conjunctivitis chest pain,
- Hemorrhagic findings (e.g., petechiae, ecchymosis, hematemesis, hematuria and nosebleeds) occur in 50% of cases

Mortality of EVD ranges from 50% to 90%



**Middle East Respiratory
Syndrome Coronavirus
(MERS-CoV)**

MERS-CoV is a rare virus that can cause serious illness or death.

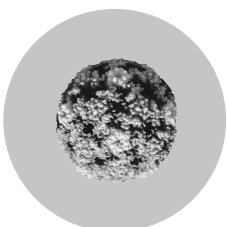
Some people who are infected with MERS-CoV show no symptoms, while others will get sick very quickly.

Persons with MERS-CoV may complain of:

- Flu-like or more severe pneumonia-like symptoms
- Fever
- Cough or other breathing difficulties

Mortality of MERS-CoV is about 27%

Most of them had underlying medical conditions and weak immune systems.



**Enterovirus D68
(EV-D68)**

EV-D68 is an enterovirus that causes mild to severe respiratory illness with an incubation period of 1 to 5 days.

- Children/teenagers are at increased risk of infection from EV-D68 as they may lack protection from previous exposures to the virus
- EV-D68 can infect adults as well, especially if immune-compromised.
- Children with asthma are at a higher risk for severe respiratory illness.

Symptoms can include:

- Cough or other breathing difficulties
- Cold-like illness and wheezing (severe cases may require hospitalization for breathing difficulties)
- Fever
- Rash
- Neurologic problems

Mortality rate of treated patients is extremely low.

Screening Algorithm For Pharmacists



ONTARIO
PHARMACISTS
ASSOCIATION

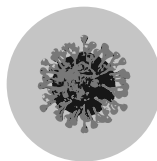
Advocating Excellence
in Practice and Care

In the past 30 days, have you (or a close contact of yours) travelled to any of these countries?



EBOLA ZONE

Democratic Republic of Congo
Guinea
Liberia
Nigeria
Sierra Leone



MERS-CoV ZONE

| | |
|---------|----------------------|
| Iran | Qatar |
| Jordan | Saudi Arabia |
| Kuwait | United Arab Emirates |
| Lebanon | Yemen |
| Oman | |



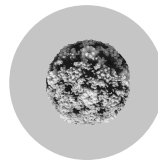
YES

If 'yes' to travel to or exposure to people coming from these areas, do you have any of the following symptoms?

- | | |
|--|--|
| <ul style="list-style-type: none"> • Fever • New or worsening cough • Malaise &/or muscle aches • Diarrhea | <ul style="list-style-type: none"> • Severe headache • Sore throat • Nausea/vomiting/abdominal pain • Unusual bruising or bleeding |
|--|--|

NO

If 'no' to travel, screen for possible symptoms of Enterovirus D68



- | | |
|---|--|
| <ul style="list-style-type: none"> • Fever • Severe headache • New or worsening cough • Sore throat | <ul style="list-style-type: none"> • Malaise / muscle aches • Nausea / vomiting / Abdominal pain • Diarrhea |
|---|--|



YES



If patient answers "yes" to ANY of these symptoms, send patient to hospital ER immediately

- Patient to avoid all contact with others immediately
- Advise patient not to use public transport
- Use private vehicle or call an ambulance for transport to hospital
- Complete & send "EVD reporting template" to local health unit

NO

If patient answers 'no' for ALL of these symptoms, assess patient as usual

- Implement social distancing protocol as best practice
- Encourage patient to employ good hand hygiene
- Advise patient to go to hospital ER immediately if any of these symptoms suddenly appear



YES

If patient answers "yes" to ANY of these symptoms, assess patient or refer to hospital emergency department or to MD if asthmatic or having poor immune status

- Create, discuss and/or reinforce Asthma Action Plan with patient
- Suggest patient gets a flu shot

NO

If patient answers 'no' for ALL of these symptoms, assess as usual protocol