

### 1 Triage

All febrile travellers should be assessed for evidence of sepsis



#### qSOFA score

2+ of the following indicates severe infection:

- Glasgow Coma Scale < 15
- Respiratory rate > 22
- Systolic blood pressure < 100

Follow local sepsis pathway

Consider:

- Empirical therapy
- Referral to intensive treatment unit (ITU)

#### Immune status

Use a lower threshold for admission in those with compromised immune status, as infection can present atypically in this group

May be compromised by:

- Malignancy
- Transplant
- Age
- HIV status
- Diabetes
- Immunosuppressive drugs (including steroids)

### 2 Isolation

Contact precautions are often required until a diagnosis is confirmed and treatment commenced



#### Clinical presentation

Are any of the following present?

- Rash
- Diarrhoea
- Respiratory symptoms
- Haemorrhage
- Gastrointestinal or respiratory secretions

Yes

No

Isolation not required

#### Isolate patient according to risk

##### Contact

- Single room or patient cohorting
- Standard contact precautions: Hand hygiene, Gloves, Aprons
- Surgical face mask

##### Droplet

##### Airborne

- Negative pressure single room
- FFP3 respirator
- Enhanced precautions for aerosol-generating procedures
- Fluid repellent surgical face mask
- Eye protection
- Plastic apron
- Hand hygiene
- Gloves

##### Enhanced

### 3 Travel risk assessment

Focused travel history

Where did you go?

What did you do there?

When did you become unwell?

#### Is there risk of viral haemorrhagic fever?

Did the patient's symptoms start within 21 days of travel to a VHF endemic country?

Check [www.promedmail.org](http://www.promedmail.org)

#### Ebola and Marburg virus disease risk

Caves or mines exposure

Contact with:

- Antelopes
- Bats
- Primates

#### Lassa fever risk

Exposure to basic rural conditions

#### CCHF risk (Crimean-Congo Haemorrhagic fever)

Tick bite or contact    Animal slaughter exposure

#### Is there risk of an emerging severe acute respiratory illness?

Lower respiratory tract infection

- + Symptoms within 14 days of travel to Middle East – MERS
- + Symptoms within 10 days of travel to China } influenza
- + Contact with birds

Exposure to known case

#### Is there risk of antimicrobial resistance?

Travel to: Asia    Africa    Middle East

Exposures: Healthcare abroad    Antibiotic use during travel

Enhanced contact precautions

Inform laboratory services

Discuss with local infection service

Notify public health

Specialist tests required

Tailor empirical therapy

Consider rectal swab screening



#### Is the patient at risk of malaria?

Patient returns from endemic country  
[www.map.ox.ac.uk](http://www.map.ox.ac.uk)

Urgent diagnostic tests

Empirical treatment

Any of these features may suggest severe malaria:

- Parasite count: >10% = severe    >2% = at risk
- Central nervous system: GCS < 11    Prostration    Seizures
- Organ dysfunction: AKI    Jaundice    Pulmonary oedema
- Blood markers: Acidosis    Hypoglycaemia    Anaemia

### 4 Diagnosis

Once immediate risks have been addressed, take a more detailed travel history to help to identify the infection and guide management

#### Examination

Consider empirical treatment for specific clinical scenarios

#### Routine investigations

Blood cultures

Also consider: Respiratory virus swab  
Focal microbiology or virology samples  
Imaging    HIV test    Routine blood tests

#### Specialist investigations

Discuss with local infection specialist, as quality and timing of samples are often crucial