



Office of
Deputy Commissioner
of Maritime Affairs

THE REPUBLIC OF LIBERIA
LIBERIA MARITIME AUTHORITY

8619 Westwood Center Drive
Suite 300
Vienna, Virginia 22182, USA
Tel: +1 703 790 3434
Fax: +1 703 790 5655
Email: safety@liscr.com
Web: www.liscr.com

Date: 23 October 2017

Marine Advisory: 09/2017

Subject: Plague Outbreak in Madagascar

Dear Shipowner/Operator/Master;

1. The purpose of this Advisory is to provide guidance on the plague outbreak in Madagascar issued by the World Health Organization (WHO), which has been circulated by the International Maritime Organization in the attached Circular Letter No. 3780.
2. According to the information provided by the WHO, there is no justification at this stage for restrictions on travel or trade.
3. IMO will provide further updates as and when received from the WHO. WHO specific information on this outbreak to the Plague can be found at:
<http://www.who.int/csr/disease/plague/en/>
4. WHO published the *Handbook for management of public health events on board ships* is a comprehensive text that draws on the scientific literature and lessons learned from recent disease outbreaks to provide substantive public health guidance. The guide can be downloaded from the following link :
http://apps.who.int/iris/bitstream/10665/205796/1/9789241549462_eng.pdf?ua=1

Enclosed: IMO Circular Letter No. 3780

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4 ALBERT EMBANKMENT
LONDON SE1 7SR
Telephone: +44 (0)20 7735 7611 Fax: +44 (0)20 7587 3210

Circular Letter No.3780
9 October 2017

To: All IMO Member States
Intergovernmental organizations
Non-governmental organizations in consultative status with IMO

Subject: **Plague outbreak in Madagascar**

1 The purpose of this circular is to provide guidance on the plague outbreak in Madagascar issued by the World Health Organization (WHO).

2 According to the information provided by the WHO, there is no justification at this stage for restrictions on travel or trade.

3 Further updates will be provided as and when received from the WHO.

4 Member States, intergovernmental organizations and non-governmental organizations in consultative status with IMO are invited to consult the *Handbook for management of public health events on board ships*. This WHO publication is a comprehensive text that draws on the scientific literature and lessons learned from recent disease outbreaks to provide substantive public health guidance. The guide can be downloaded from the following link: http://apps.who.int/iris/bitstream/10665/205796/1/9789241549462_eng.pdf?ua=1

ANNEX

WHO scales up response to plague in Madagascar

The WHO is rapidly scaling up its response to an outbreak of plague in Madagascar that has spread to the capital and port towns, infecting more than 100 people in just a few weeks. Further the WHO specific information on this outbreak related to the Plague can be found at: <http://www.who.int/csr/disease/plague/en/>

Information for international travellers

Situation

An outbreak of pneumonic plague is ongoing in Madagascar since August 2017. As of 30 September 2017, 73 cases (suspected, probable and confirmed) of pneumonic plague were reported by the country, 17 of whom have died. In addition, 58 cases of bubonic plague, including seven deaths, have been reported throughout the country.

Most affected districts and cities include: Antananarivo (the capital city and its suburbs), Toamasina, and the rural district of Faratsiho. Cases were reported also from: Ambatondrazaka, Ambohidratrimo, Andramasina, Ankazobe, Anosibe An'ala, Anta-Atsimondrano, Anta-Avaradrano, Anta-Renivohitra, Arivonimamo, Faratsiho, Maevatanana, Mahajanga I, Miarinarivo, Moramanga, Toamasina I, Toamasina II, Tsiroanomandidy, Vohémar, and Ambalavao. Plague is an endemic disease in Madagascar, with cases of bubonic plague being reported nearly every year, particularly during the epidemic season between September and April. However, the ongoing pneumonic plague remains an unusual and serious event, particularly since it is occurring in densely populated coastal cities.

Advice for international travellers

Based on the available information to date, the risk of international spread of plague appears very low. The WHO advises against any restriction on travel or trade on Madagascar based on the available information. International travellers should be informed about the current plague outbreak, the fact that plague is endemic in Madagascar, and should receive advice on prevention, post exposure chemoprophylaxis, and where to seek medical treatment should they develop plague related symptoms.

Travellers should also be aware that Madagascar is endemic for malaria and should consider the antimalarial prophylaxis recommended by the WHO when travelling to Madagascar¹.

The risk of infection with *Yersinia pestis* for international travellers to Madagascar is generally low. However, travellers in rural areas of plague-endemic regions may be at risk, particularly if camping or hunting or if contact with rodents takes place. In addition, travellers to previously non-endemic regions from where cases of pneumonic plague have been recently reported should avoid crowded areas, avoid contact with dead animals, infected tissues or materials, and avoid close contact with patients with pneumonic plague. Travellers can protect against flea bites using repellent products for personal protection against mosquitoes, which may equally be protective against fleas and other blood-sucking insects. Formulations (lotions or sprays) based on the following active ingredients are recommended by the WHO Pesticides Evaluation Scheme (WHOPES)² : DEET, IR3535, Icaridin (KBR3023) or Picaridin. WHO guidance for control of rodent fleas that transmit bubonic plague can be found below.

¹ <http://www.who.int/ith/2017-ith-country-list.pdf?ua=1&ua=1>

² <http://www.who.int/whopes/en/>

Pesticides and their application: for the control of vectors and pests of public health importance³

In case of sudden symptoms of fever, chills, painful and inflamed lymph nodes, or shortness of breath with coughing and/or blood-tainted sputum, travellers should immediately contact a medical service.

Prophylactic treatment is only recommended for persons who have been in close contact with plague cases, or with other high risk exposures (such as bites from infected fleas or direct contact with body fluids or tissues of infected animals). Travellers should immediately notify health care personnel or authority in case of contact and potential exposure to pneumonic plague patients or other high risk exposures and seek medical advice regarding chemoprophylaxis. Travellers should avoid self-administration with antibiotics as prophylaxis, unless recommended by medical professionals. Upon return from travel to Madagascar, travellers should be on alert for the above symptoms, and if symptoms appear, they should seek medical care and inform their physician about their travel history to Madagascar.

³ http://apps.who.int/iris/bitstream/10665/69795/1/WHO_CDS_NTD_WHOPES_GCDPP_2006.1_eng.pdf?ua=1