



PEJABAT TIMBALAN KETUA PENGARAH KESIHATAN (KESIHATAN AWAM)  
KEMENTERIAN KESIHATAN MALAYSIA  
[OFFICE OF THE DEPUTY DIRECTOR-GENERAL OF HEALTH (PUBLIC HEALTH)  
DEPARTMENT OF PUBLIC HEALTH  
MINISTRY OF HEALTH, MALAYSIA]  
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KKM-600-29/4/68 47

20 Jun 2016

## SENARAI EDARAN

YBhg. Datuk/Dato'/Datu/To' Puan/Tuan/Puan,

### **PINDAAN TARIKH KUATKUASA TEMPOH SAHLAKU SUNTIKAN VAKSIN DEMAM KUNING (YELLOW FEVER) DI BAWAH ANNEX 7 INTERNATIONAL HEALTH REGULATIONS (IHR) 2005**

Dengan hormatnya saya merujuk kepada perkara di atas dan surat KKM bil (26) dlm. KKM-171/BKP/13/61/0915 bertarikh 9 September 2014 adalah berkaitan.

2. Adalah dimaklumkan bahawa, 67<sup>th</sup> World Health Assembly (WHA) telah meluluskan pindaan Annex 7, *International Health Regulations (IHR) 2005*, bahawa tempoh perlindungan vaksin Demam Kuning adalah 10 hari selepas tarikh suntikan sehingga seumur hidup. Namun begitu terdapat perubahan kepada tarikh kuatkuasa pelaksanaan pindaan ini iaitu dari bulan Jun 2016 kepada 11 Julai 2016. Dokumen pindaan WHO dilampirkan bersama.

3. Sehubungan dengan itu, besarlah harapan kami dapat kiranya YBhg. Datuk/Dato'/Datu/To' Puan/Tuan/Puan, mengambil maklum perkara ini serta memaklumkan kepada semua fasiliti kesihatan di bawah tanggungjawab YBhg. Datuk/Dato'/Datu/To' Puan/Tuan/Puan termasuk Pejabat Kesihatan Pintu Masuk. Bersama juga dilampirkan senarai negara yang berisiko mengalami transmisi penyakit Demam kuning serta pusat vaksinasi Demam Kuning yang terkini (Lampiran 1).

4. Kerjasama YBhg. Datuk/Dato'/Datu/To' Puan/Tuan/Puan dalam hal ini amat dihargai dan didahului dengan ucapan terima kasih. Sekiranya terdapat sebarang kemusykilan pihak YBhg. Datuk/Dato'/Datu/To' Puan/Tuan/Puan, bolehlah berhubung dengan Dr. Norhayati binti Rusli di

talian 03-8883 4145, emel: [dr\\_norhayati@moh.gov.my](mailto:dr_norhayati@moh.gov.my), atau Dr Azmi bin Abdul Rahim di talian 03 - 8883 4122, e-mel: [arazmi@moh.gov.my](mailto:arazmi@moh.gov.my)

Sekian.

**“BERKHIDMAT UNTUK NEGARA”**

Saya yang menurut perintah,



**(DATUK DR. LOKMAN HAKIM BIN SULAIMAN)**  
**Timbalan Ketua Pengarah Kesihatan (Kesihatan Awam)**  
**Kementerian Kesihatan Malaysia**

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**Ketua Pengarah Kesihatan Malaysia**

**Timbalan Ketua Pengarah Kesihatan (Perubatan)**  
**Kementerian Kesihatan Malaysia**

**Timbalan Ketua Pengarah Kesihatan (P & ST)**  
**Kementerian Kesihatan Malaysia**

**Pengarah Kawalan Penyakit**  
**Kementerian Kesihatan Malaysia**

**Pengarah Bahagian Perkembangan Perubatan**  
**Kementerian Kesihatan Malaysia**

**Pengarah Bahagian Pembangunan Kesihatan Keluarga**  
**Kementerian Kesihatan Malaysia**

## **SENARAI EDARAN**

### **Pengarah**

Institut Penyelidikan Perubatan

### **Pengarah**

Hospital Kuala Lumpur

### **Pengarah**

Makmal Kesihatan Awam Kebangsaan Sungai Buloh

### **Pengarah**

Jabatan Kesihatan Negeri Perlis

### **Pengarah**

Jabatan Kesihatan Negeri Kedah

### **Pengarah**

Jabatan Kesihatan Negeri Pulau Pinang

### **Pengarah**

Jabatan Kesihatan Negeri Perak

### **Pengarah**

Jabatan Kesihatan Negeri Selangor

### **Pengarah**

Jabatan Kesihatan Negeri Wilayah Persekutuan dan Putrajaya

### **Pengarah**

Jabatan Kesihatan Negeri Sembilan

### **Pengarah**

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Jabatan Kesihatan Negeri Johor

### **Pengarah**

Jabatan Kesihatan Negeri Pahang

### **Pengarah**

Jabatan Kesihatan Negeri Terengganu

**Pengarah**

Jabatan Kesihatan Negeri Kelantan

**Pengarah**

Jabatan Kesihatan Negeri Sabah

**Pengarah**

Jabatan Kesihatan Negeri Sarawak

**Pengarah**

Jabatan Kesihatan Negeri Wilayah Persekutuan Labuan

## YELLOW FEVER

### INTRODUCTION

Yellow fever is an acute infectious disease. Recognised in two different forms i.e. urban and jungle. Urban Yellow Fever occurs in cities and is spread from mosquito to human. In the jungle form, Yellow Fever is spread from mosquitoes to monkeys and also to humans (zoonosis). Although reported cases of human disease is the principal indicator of disease risk, they may be absent (because of a high level of immunity in population) or not detected as a result of poor surveillance.

Major public health threat in countries with risk of Yellow Fever transmission. Travellers to countries with risk of Yellow Fever transmission of Africa, Central and South America are at risk. The presence of the suitable vector, Aedes mosquito in Asia may contribute to its potential occurrence. Malaysia is vulnerable and receptive to Yellow Fever transmission.

**Causative agent:** Arbovirus of the Genus Flavivirus and family Flaviviridae.

**Mode of Transmission:** through the bite of infective Aedes aegypti mosquitoes.

**Incubation Period:** 3 - 6 days (or longer) after the bite of an infected mosquito.

### COUNTRIES WITH RISK OF YELLOW FEVER TRANSMISSION

#### SOUTH & CENTRAL AMERICA (13 COUNTRIES)

Argentina	French Guiana	Suriname
Bolivia	Guyana	Trinidad & Tobago
Brazil	Panama	Venezuela
Colombia	Paraguay	
Ecuador	Peru	

## AFRICA (29 COUNTRIES)

Angola	Guinea
Benin	Guinea Bissau
Burkina Faso	Kenya
Burundi	Liberia
Cameroon	Mali
Central Africa Republic	Mauritania
Chad	Niger
Congo	Nigeria
Côte d'Ivoire	Senegal
Democratic Republic Of Congo	Sierra Leone
Equatorial Guinea	South Sudan
Ethiopia	Sudan
Gabon	Togo
Gambia	Uganda
Ghana	

Note: The list of countries with risk of yellow fever transmission will be updated by Ministry of Health Malaysia regularly based on WHO list.

### SIGN & SYMPTOMS

Some are asymptomatic but most lead to an acute illness characterized by two phases. Initially there is fever, muscular pain, headache, chills, anorexia, nausea and/or vomiting, often with bradycardia.

About 15% of patients progress to a second phase after a few days, with resurgence of fever, development of jaundice, abdominal pain, vomiting and haemorrhagic manifestations.

Death may occur 10 - 14 days after the onset of illness.

### COMPLICATIONS

Haemorrhagic manifestation including epistaxis, gingival bleeding, hematemesis (coffee ground or black), melaena, and liver and renal failure. **Up to 50% are fatal.**

## TREATMENT

**Symptomatic treatment.** Advise rest, drink plenty of fluids and take regular painkillers (eg. paracetamol or Ibuprofen) to relieve symptoms of fever or aching.

**Specific treatment – None**

## PREVENTION & PRECAUTIONS

### Yellow Fever Vaccination Requirement

- A Yellow Fever vaccination certificate is required from all visitors or delegates (Malaysians and Foreigners) coming from or going to/through countries with risk of Yellow Fever transmission (As stated in International Health Regulations 2005 and Prevention and Control of Infectious Disease Act 1988).
- Yellow fever vaccination is also required for travellers having transited more than 12 hours through the airport of a country with risk of yellow fever transmission;
- Travellers or delegates without a valid Yellow Fever vaccination certificate shall be quarantined upon arrival in Malaysia for a period not exceeding 6 days.
- The period of validity of an international certificate of vaccination against Yellow Fever will be lifelong\*, beginning 10 days after the date of vaccination.

### Reminder to Malaysians travelling to Countries with Risk of Yellow Fever Transmission

- Malaysians are advised to take the vaccination at least 10 days before the date of departure to countries with risk of Yellow Fever transmission for protection against infection.
- To carry the international certificate of vaccination during travel for health check.
- To get the vaccination against Yellow Fever disease at the Approved Yellow Fever vaccinating Centres in Malaysia.
- To report to Entry Point Health Office on arrival in Malaysia for health check.

## YELLOW FEVER VACCINE

**Type of vaccine:** Live attenuated vaccine

**Number of doses:** one priming dose of 0.5ml

**Contraindications:** Egg allergy, immunodeficiency from medication, disease or symptomatic HIV infection, hypersensitivity to a previous dose and pregnancy.

**Adverse reactions:** Rarely encephalitis or hepatic failure.

**Recommended for:** All travelers to countries with risk of Yellow Fever transmission and wherever mandatory.

**Special precautions:** Not for infants under 12 months of age.

## PRECAUTIONS

- Minimize exposure to bites by modifying activities to avoid exposure to vector bites. Aedes mosquitoes peak biting times are a few hours before dusk and after dawn. Avoid outdoor activity during these periods.
- Avoid mosquito bite by applying mosquito repellent to exposed skin. When using sunscreen or lotions, apply repellants last. Reapply whenever sweat or water has removed it. Active ingredient in a repellent repels but does not kill insects.

Repellent that contains DEET (N, N-diethylmetatoluamide) is most reliable and long-lasting type (35% DEET provides protection for 12 hours). DEET formulations as high as 50% are recommended for both adults (including pregnant women) and children more than two (2) months of age. It is toxic when ingested and may cause skin irritation. Permethrin is highly effective both as an insecticide and as a repellent. There is little potential for toxicity from Permethrin-treated clothing.

- Use long sleeved clothes and long pant. Avoid wearing dark colours (attract mosquitoes).
- Close windows or shutters at night when indoors. Use pyrethrum insecticide spray (aerosol insecticides), pyrethroid coils or insecticide impregnated tablets in evening before sleep.
- Avoid strong perfumes, hair sprays or after-shaves (attract mosquitoes)!
- Use air-conditioning or good mosquito net especially treated with Permethrin.

**Note: \* lifelong - In the context of international travel, the amendment to Annex 7 IHR 2005 changes the period of validity of the related international certificate of vaccination against yellow fever, and the protection provided by vaccination against yellow fever infection under the IHR (2005), from ten (10) years to the life of the person (traveller) vaccinated. This amendment enters into force on 11 July 2016.**

#### **REFERENCES:**

International Health Regulations, 2005, WHO

Control of Communicable Diseases Manual, 18th Edition by David L. Heymann, MD, Editor, 2004

WHO International Travel & Health Update, 2016

<http://travelhealth.co.uk/>



**APPROVED PRIVATE YELLOW FEVER VACCINATION CENTRES IN MALAYSIA  
(updated until 20 June 2016)**

<b>1.</b>	<b>BP Diagnostic Centre</b> 275, Jalan Kampar, 30250 Ipoh, Perak Tel: 05-2559090 Ext 402	<b>PERAK</b>
<b>2.</b>	<b>Menara Medical Clinic</b> Lot LS 05, Level 1 Passenger Terminal Building Penang Airport, 11900 Bayan Lepas, Pulau Pinang Tel: 04-6447101	<b>PULAU PINANG</b>
<b>3.</b>	<b>Klinik Berkat</b> No. 75-4A, Jalan Mamanda 1, Ampang Point 68000 Ampang, Selangor Darul Ehsan Tel: 03-42515450	<b>SELANGOR</b>
<b>4.</b>	<b>KPJ Selangor Specialist Hospital</b> Lot 1, Jalan Singa 20/1 Section 20, 40300 Shah Alam Tel: 03-5543 1111, Fax: 03-5543 1722	<b>SELANGOR</b>
<b>5.</b>	<b>Klinik Noridah</b> VG 30, Jalan Plumbum V7/V Pusat Komersial Seksyen 7 40000 Shah Alam Tel: 03-5510 1009 Fax: 03-5510 1009	<b>SELANGOR</b>
<b>6.</b>	<b>Klinik Mediviron</b> No. 20 A, Jalan Jubli Perak 22/1 Seksyen 22 , 40300 Shah Alam Tel: 03-5567 9667 Fax: 03-5567 9667	<b>SELANGOR</b>
<b>7.</b>	<b>BP Specialist Centre Taman Megah Branch</b> No. 79, Jalan SS 23/15, Taman SEA 47400 Petaling Jaya, Selangor Tel: 03-7803 0992	<b>SELANGOR</b>
<b>8.</b>	<b>Klinik Chew</b> 11, Jalan Rodat 1 KU/5, Bandar Bukit Raja 41050 Klang Tel: +6019 959 3519 / 03-3359 7290	<b>SELANGOR</b>
<b>9.</b>	<b>Poliklinik Sri Permai</b> No. 11, Jalan P9 B/1 Presint 9, 62259 Putrajaya Tel: 03-88880268	<b>PUTRAJAYA</b>

**APPROVED PRIVATE YELLOW FEVER VACCINATION CENTRES IN MALAYSIA  
(updated until 20 June 2016)**

<b>10.</b>	<b>The KL Clinic</b> Mezzanine Floor, East Wing Rohas Perkasa, No. 9, Jalan P. Ramlee 50250 Kuala Lumpur 03-21660395 Faks 03-2181 3362	<b>WP KUALA LUMPUR</b>
<b>11.</b>	<b>Twin Towers Medical Centre KLCC Sdn. Bhd.</b> KLCC, Lot LC 402-404, Level 4, Suria KLCC, KL City Centre 50088, Kuala Lumpur. Tel: 03-23823500, 03-23823577	<b>WP KUALA LUMPUR</b>
<b>12.</b>	<b>Klinik Kita</b> Lot F-23, First Floor City Point Kompleks Daya Bumi, Jalan Sultan Hishamuddin, 50050, Kuala Lumpur. Tel: 03-26989740, 03-26980740	<b>WP KUALA LUMPUR</b>
<b>13.</b>	<b>Klinik Yong</b> Tingkat 2, Wisma Maran No. 28, Medan Pasar 50050 Kuala Lumpur Tel; 03-20720808, Fax 03-20310487	<b>WP KUALA LUMPUR</b>
<b>14.</b>	<b>Drs Young Newton dan Rakan-Rakan</b> Level 1-01, Cape Square, Signature Office No. 11, Persiaran Cape Square Blok A, Capital Square 50100, Kuala Lumpur Tel: 03 26982967	<b>WP KUALA LUMPUR</b>
<b>15.</b>	<b>Prince Court Medical Centre Sdn. Bhd.</b> 39, Jalan Kia Peng 50450, Kuala Lumpur Tel: 03- 21600000 ext 2984/3860	<b>WP KUALA LUMPUR</b>
<b>16.</b>	<b>Klinik Integral Occupational Health Services Sdn. Bhd.</b> Lot 2-05, Level 2 Menara HLA No. 3 Jalan Kia Peng 50450, Kuala Lumpur Tel: 03-21712882, Faks: 03-21712992	<b>WP KUALA LUMPUR</b>
<b>17.</b>	<b>Gleneagles Intan Medical Centre</b> Lot 286, Jalan Ampang 50450 Kuala Lumpur Tel: 03-41413135, Faks 03-42552980	<b>WP KUALA LUMPUR</b>

**APPROVED PRIVATE YELLOW FEVER VACCINATION CENTRES IN MALAYSIA  
(updated until 20 June 2016)**

<b>18.</b>	<b>Kuala Lumpur Sports Centre Sdn. Bhd.</b> 7th Floor, Wisma Perintis Jalan Dungun, Damansara Heights 50490 Kuala Lumpur Tel: 03-20961033 Fax: 03-20961500	<b>WP KUALA LUMPUR</b>
<b>19.</b>	<b>Pantai Medical Centre Sdn. Bhd.</b> No. 8, Jalan Bukit Pantai 59100 Kuala Lumpur Tel: 03-2296 0888 Fax: 03-2282 1557	<b>WP KUALA LUMPUR</b>
<b>20.</b>	<b>Pusat Perubatan Menara Sdn. Bhd.</b> Level 26, Menara TM Annexe 2 No. 1, Jalan Pantai Jaya Off Jalan Pantai Baharu 59200 Kuala Lumpur Tel: 03-2241 4101 Fax: 03-2241 4102	<b>WP KUALA LUMPUR</b>
<b>21.</b>	<b>Berkat Sentral Clinic (BSC)</b> G11 – G12 Ground Floor Platinum Sentral, Jalan Stesen 2 50470 Kuala Lumpur	<b>WP KUALA LUMPUR</b>
<b>22.</b>	<b>The KL Sky Clinic</b> B1-36-2, The SOHO Suites KLCC Jalan Perak 50450 Kuala Lumpur Tel: 03-23890091	<b>WP KUALA LUMPUR</b>
<b>23.</b>	<b>Hibari Clinic</b> 17-8, 17 Floor Kompleks 1, Mont Kiara No. 1, Jalan Kiara Mont Kiara 50480 Kuala Lumpur Tel: 03-62115919	<b>WP KUALA LUMPUR</b>
<b>24.</b>	<b>Kuantan Medical Centre (41488-H)</b> Kuantan Medical Centre Sdn. Bhd., Jalan Tun Razak, Bandar Indera Mahkota, 25200 Kuantan, Pahang Darul Makmur Tel: 09 5902828	<b>PAHANG</b>
<b>25.</b>	<b>Columbia Asia Medical Centre</b> Lot 1035-1039 Jalan Bulan Sabit, CDT 155 98009, Miri, Sarawak. Tel: 085-437755	<b>SARAWAK</b>

**APPROVED PRIVATE YELLOW FEVER VACCINATION CENTRES IN MALAYSIA  
(updated until 20 June 2016)**

<b>26.</b>	<b>Klinik Cheu SB</b> Lot 512, Pelita Commercial Centre 98000, Miri Sarawak Tel: 085-438068, Fax: 085-43807	<b>SARAWAK</b>
<b>27.</b>	<b>Columbia Asia 21st Century Healthcare</b> Lot 3582, Block 26, Jalan Sri Ikhwan Kemena Land District, Tanjung Kidurong 97000 Bintulu, Sarawak Tel: 086-251888 Faks 086-252888	<b>SARAWAK</b>
<b>28.</b>	<b>Bintulu Medical Centre</b> Lot 6009, Block 31, Kemena Land District 97000 Bintulu, Sarawak. Tel: 086-330333 Faks 086-330777	<b>SARAWAK</b>
<b>29.</b>	<b>Normah Medical Specialist Centre</b> Section 30 KTLD, Jalan Tun Abdul Rahman, Petra Jaya 93050, Kuching, Sarawak Tel: 082-440055 Fax: 082-442600	<b>SARAWAK</b>
<b>30.</b>	<b>Klinik Wilayah (L) Sdn. Bhd.</b> U0391, Jalan Bunga Rambai 87069 Labuan Tel: 087-413140, Fax: 087-413146	<b>WP LABUAN</b>
<b>31.</b>	<b>Pantai Hospital Ayer Keroh</b> No. 2418-1, KM 8, Lebohraya Ayer Keroh 75450 Melaka Tel: 06-2319999, Fax: 06-2318334	<b>MELAKA</b>
<b>32.</b>	<b>KPJ Sabah (Specialist Hospital)</b> Lot Off, 2, Jalan Damai, Luyang Commercial Centre 88300 Kota Kinabalu Tel : 088-322 000, Fax: 088-272 622	<b>SABAH</b>
<b>33.</b>	<b>Afiat Healthcare Sdn. Bhd</b> No 40-1, Jalan Perjiranan 2, Bandar Dato' Onn, 81000 Johor Baharu Tel : 07-351 7470, Fax: 07-351 7470	<b>JOHOR</b>