



Zika Virus Alert



Presented by:

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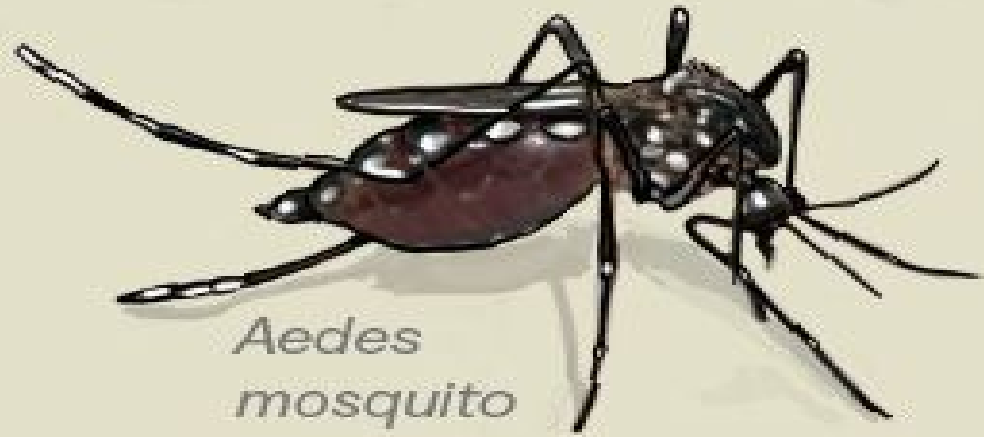
PHD Pediat, TQM, HMD

Quality Manager Egypt Air Hosp

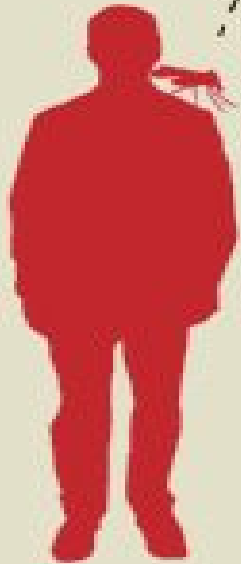
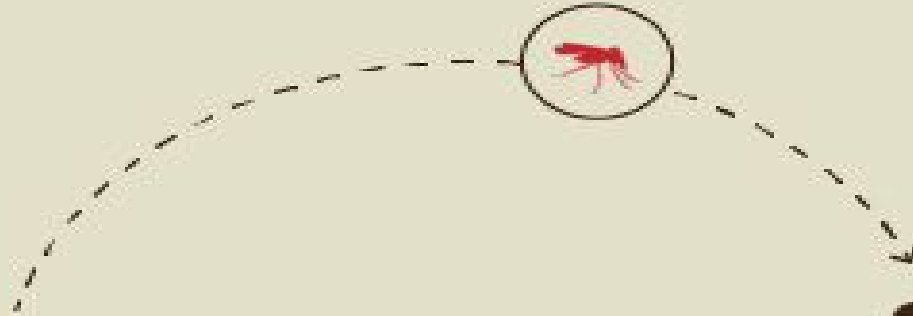
What You Should Know About the Zika Virus



Zika is spread by mosquitoes, not from person to person*



Aedes mosquito



* There are questions about whether it can be sexually transmitted.

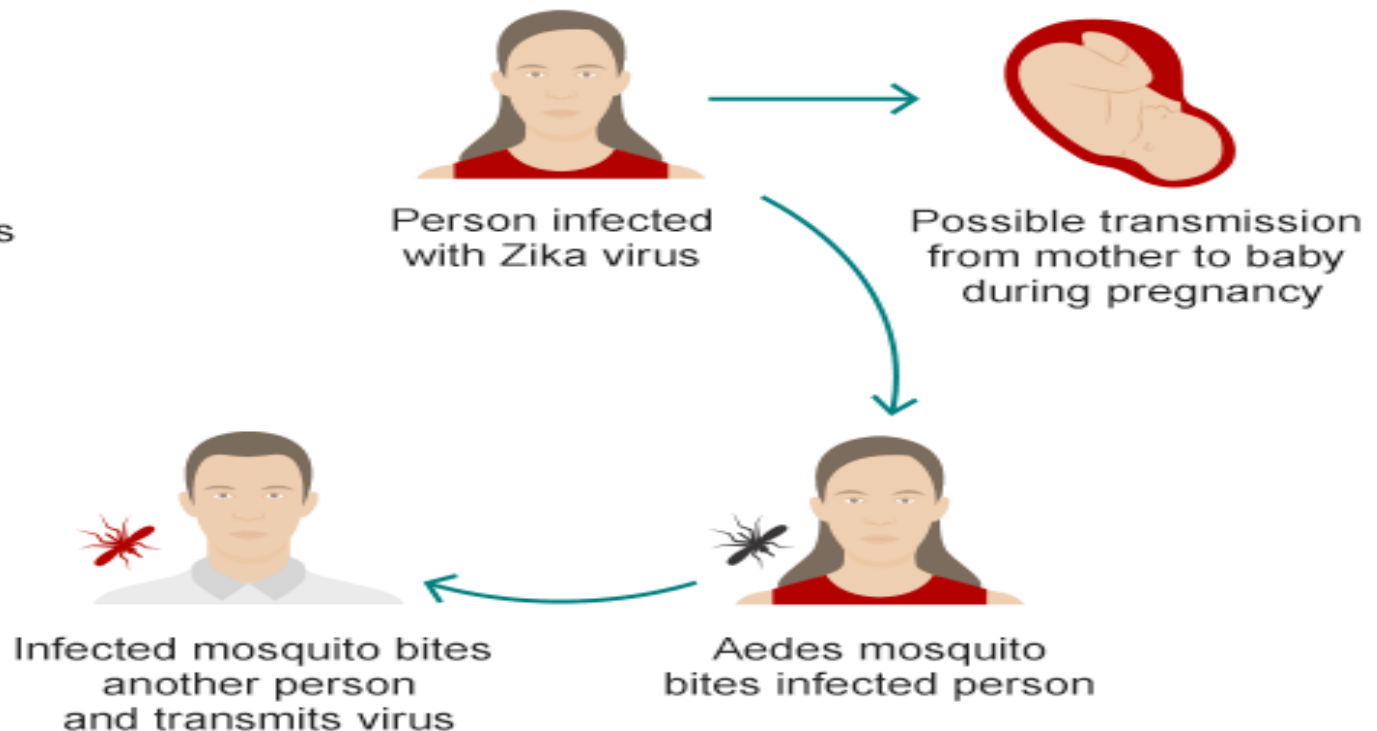


Transmission

Zika virus transmission cycle

Symptoms

- Fever
- Rash
- Joint pain
- Conjunctivitis (red eyes)



Zika can be transmitted through blood, but this is an infrequent mechanism. The virus has also been isolated in semen, but person-to-person sexual transmission is unconfirmed.

Zika Outbreak Timeline

Before
2015

- Areas of [Africa](#), Southeast [Asia](#), and the [Pacific Islands](#)

May
2015

- the Pan American Health Organization (PAHO) issued an alert in [Brazil](#)

January
22, 2016

- In the [Americas](#)
- increased [CDC](#) reports of [birth defects](#) and [Guillain-Barré](#) syndrome in areas affected by Zika.

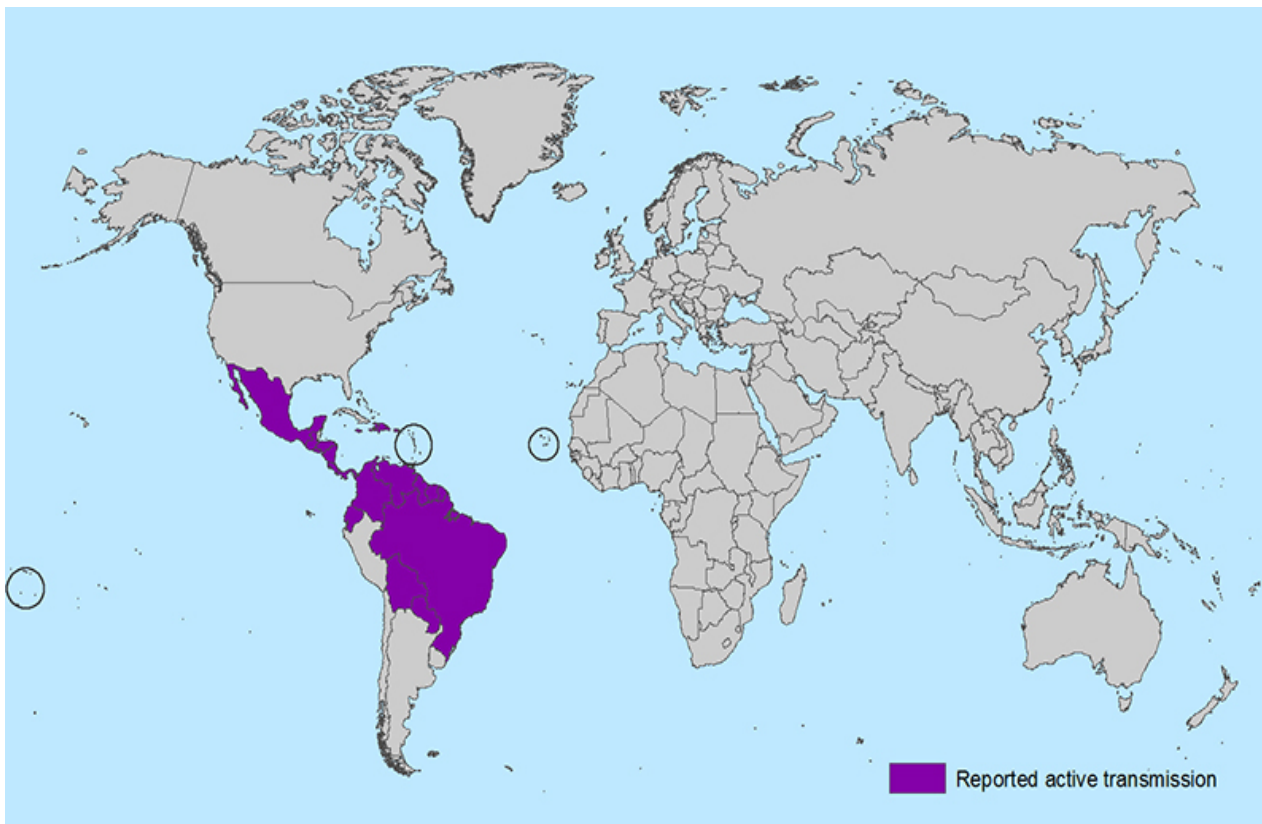
February
8 2016

- [CDC](#) elevated its ([EOC](#)) [Emergency Operations Center](#) activation to a Level 1, the highest level.
- [President Obama](#) announced a request for \$1.8 billion in emergency funds for several agencies to accelerate research into a vaccine and educate populations at risk for disease.

ZIKA VIRUS: Should You Be Worried?

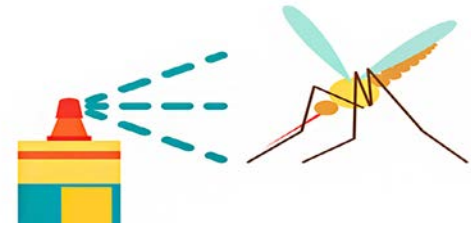


WWW.MODERNALTERNATIVEHEALTH.COM



Prevention

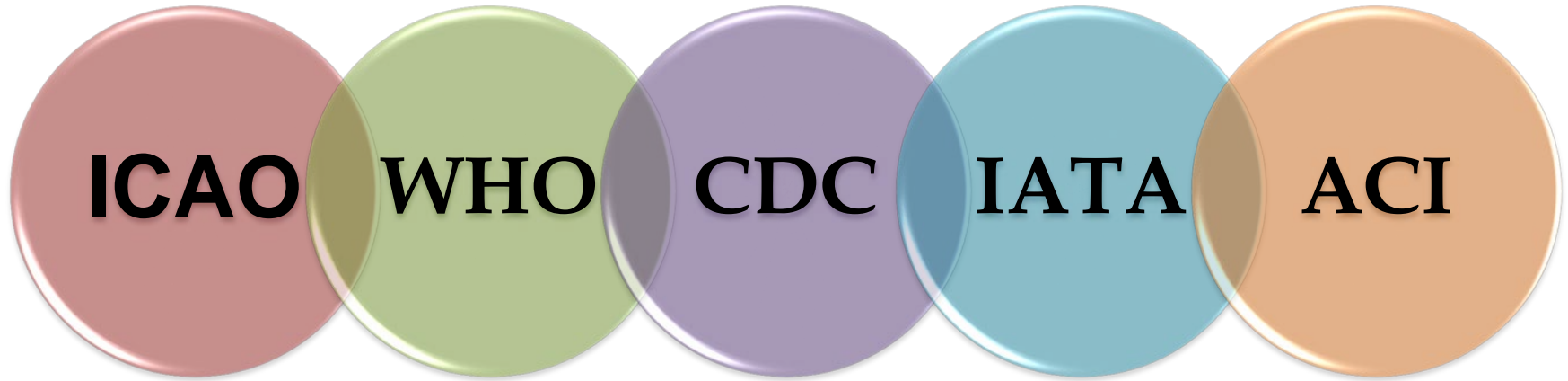
- “ The management of the outbreak is currently focused on reducing the populations of the **Aedes mosquito** that transmit the virus at airports
- (**vector control**),“
- The International Civil Aviation Organisation (**ICAO**) said in a statement.
- Vector control refers to the spraying of insecticides or other pest control measures.



(ICAO) is continuing to coordinate on the Air Transport Aspects of the global Zika virus Response



INTERNATIONAL CIVIL AVIATION ORGANIZATION
A United Nations Specialized Agency



- Focused on reducing the populations of the **Aedes mosquito** that transmit the virus at airports
- Strengthening **surveillance** of the mosquito population
- Fast-tracking **research** to improve the understanding of the disease and its control



Advisories for **Zika** Virus

- **Travelers**

- Should stay informed about **Zika** virus and other mosquito-borne diseases and consult their local health or travel authorities if they are concerned.



- **CDC**

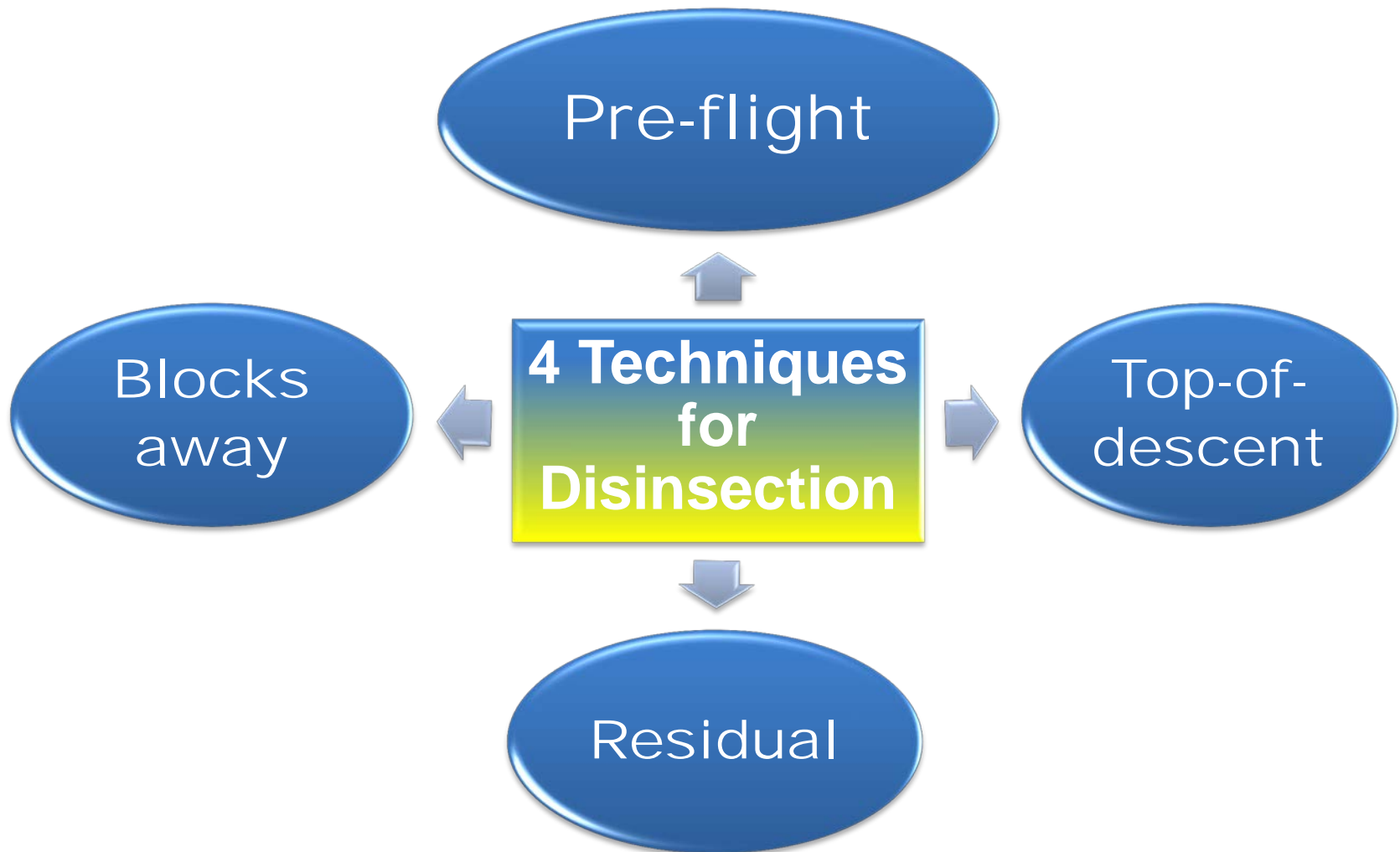
- Recommends that **pregnant women** consider postponing travel to any [Area where Zika virus is spreading](#).
- If you must travel to one of these areas,
- Talk to your healthcare provider first
- **Strictly follow steps to prevent mosquito bites during the trip.**

Egyptair comply with WHO Recommendations regarding Disinsection of Aircraft and Airports

- Specifications for aircraft Disinsection products have been established by the [WHO Pesticide Evaluation Scheme](#) (WHOPES) to Control the Vector, including:
 - [d-Phenothrin technical grade](#)
 - [1R-trans-phenothrin technical grade](#)
 - [Permethrin technical grade](#)



The WHO Guidelines include four Recommended Techniques for Aircraft Disinsection



FOUR METHODS CURRENTLY RECOMMENDED BY WHO FOR AIRCRAFT DISINSECTION

- **Pre-flight**

It is an insecticide with **rapid** and **limited residual** action is applied by ground staff to the :

- flight deck

- toilet areas

- side-wall & coat lockers



- passenger cabin

- open overhead

- crew rest areas

The spray is applied **before the passengers board the aircraft** but not more than 1 h before the doors are closed.(2% permethrin)

Blocks away



- Spraying is carried out by crew members when the Passengers are on board, after closure of the cabin door and before the flight takes off.

Top-of-descent

- It is carried out as the :
- Aircraft starts its descent to the arrival airport.
- An aerosol containing 2% D-phenothrin .
- Is currently recommended by WHO for this purpose
- Is applied with the air recirculation system



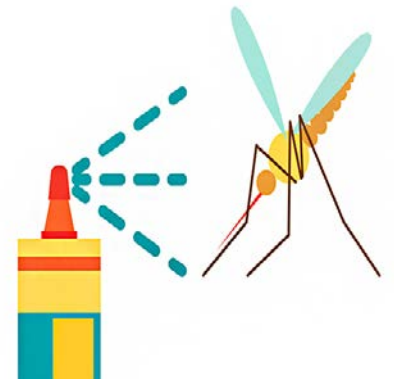
Residual

- They are intended for **long-term residual** activity on aircraft interior surfaces including :
 - The passenger cabin and cargo hold
 - Excluding food preparation areas

They are sprayed with a compression sprayer applied at **intervals not exceeding 2 months**

By professional pest control operators

- Permethrin 25:75 (cis:trans)
- emulsifiable concentrate



Health Ministry Authority Request Documents

- As per any aircraft Arriving on any Egyptian Airports from Zika virus active transmitted countries :
- 1-Certificate of residual disinsection
 - 2-GD stamp and signed
 - 3- Aerosol spray with crew in aircraft with serial no





EGYPTAIR

Coordination with Ministry of Health

- There's an established coordination and **Committee** between :
- Egyptair, Airport Authorities, and Ministry of Health, General Administration for Quarantine
- It is responsible for Preparedness and Management for any **Health Emergency** and **Epidemics out breaks** related to aircrafts and airports

Advisory issued by the Ministry of Health, Gen Admin for Quarantine

Dear Traveler

When you come back!

If you have encountered any of these symptoms (Fever - headache - skin rash - conjunctivitis “ red eye” - muscle and joint aches) within 14 days from the day you have arrived back to Egypt from any of the aforementioned Zika-affected countries (or any other newly- listed countries)

Kindly visit the nearest fever hospital to your residence to evaluate your health status OR call the number 105 from any land line or mobile phone and follow instructions.

Regards from,

Preventive Sector
Central Administration for Preventive Affairs
General Administration for Quarantine



Ministry of Health and Population
Preventive Sector
Central Administration for Preventive Affairs
General Administration for Quarantine

DEAR TRAVELER

**When you come back to Egypt
...Please Pay ATTENTION !**

Dear Traveler,

To ensure your safety and avoid infection with Zika Virus, you need to be careful if you are travelling to any of the following affected countries:

Countries affected with Zika Virus:

Middle and Latin Americas:

Brazil - Colombia - Paraguay - Venezuela - Suriname
French Guiana - Ecuador - Guyana - Bolivia
El Salvador - Guatemala - Mexico - Panama
Honduras - Martinique - Saint Martin - Puerto Rico
Haiti - Barbados - Guadeloupe - Samoa - Solomon
Islands - New Caledonia - Fiji - Maldives - Curacao
Dominican Republic - Nicaragua - Virgin Islands.

Africa: Cape Verde

Information about Zika Virus:

- Zika virus is a viral disease with an incubation period ranging from 3 to 12 days.
- There is no specific treatment or vaccine currently available for Zika virus.

How is Zika virus Transmitted?

Zika virus is transmitted through the bite of an infected mosquito from the Aedes genus.

Rare modes of transmission:

- From infected mother to her fetus (trans-placental).
- Blood transfusion.

Signs and Symptoms:

Fever - headache - skin rash - conjunctivitis (red eye) - muscle and joint aches

Prevention methods:

Personal protective measures should be applied to prevent yourself from mosquito bites, such as:

- Wear long-sleeved shirts and long pants.
- Apply insect repellent on exposed surfaces of your body.
- Spray living areas with the proper type of insecticide.
- Avoid perfumes and scented agents as they attract mosquitoes and other flying insects.
- Sleep inside places with windows secured with mosquito nets to prevent mosquitoes from entering.
- Sleep under a mosquito bed net in places with high mosquito density.



وزارة الصحة والسكان
القطاع الوقائي
الإدارة المركزية للشئون الوقائية
الإدارة العامة للحجر الصحي

عزيزي المسافر...

عند عودتك إلي جمهورية مصر العربية
.... رجاء الإنتباه

عزيزي المسافر

عند عودتك

إذا شعرت بأي من الأعراض الآتية في خلال ١٤ يوم
من تاريخ القدوم من أي دولة من الدول السابق ذكرها أو
ما يستجد من دول.

(ارتفاع في درجة الحرارة- صداع- طفح جلدي- التهاب في
ملتحمة العين- آلام في العضلات والمفاصل).

برجاء التوجه إلى أقرب مستشفى حميات لمقر سكنك لتقييم حالتك الصحية
أو اتصل برقم ١٠٥ من أي تليفون أرضي أو محمول واتبع التعليمات
مع تحيات

القطاع الوقائي
الإدارة المركزية للشئون الوقائية
الإدارة العامة للحجر الصحي

عزيزي المسافر

حرصا علي سلامتک وتجنبنا لتعرضك للإصابة بفيروس زيكا
ذا كنت مسافرا إلى هذه الدول الموبوءة برجاء الإنتباه:

بلاد موبوءة بفيروس زيكا:

دول أمريكا اللاتينية والوسطى:

البرازيل - كولومبيا - باراجواي - فنزويلا - سورينام - جويانا
الفرنسية - الأكوادور - جيانا - بوليفيا - السلفادور - جواتيمالا -
المكسيك - بنما - هندوراس - مارتينيك - سانت مارتين - بورتوريكو
- هايتي - باربادوس - غواديلوب - ساموا - جزر سلومون - كاليدونيا
الجديدة - فيجي - مالديف - كوراكاو - جمهورية الدومنيكان -
نيكارجوا - جزر فرجن .

دول أفريقيا: الرأس الأخضر

مرض فيروس زيكا مرض فيروسي تتراوح فترة حضانة المرض من
٣ أيام حتى ١٢ يوما .
لا يوجد حتي الآن علاج أو لقاح محدد لمرض فيروس زيكا.

طرق الإصابة بفيروس زيكا :

- لدغ البعوض من جنس الأيدس -
- طرق انتقال نادرة الحدوث :
- من الأم المصابة للجنين -
- عن طريق نقل الدم -

أعراض المرض :

(ارتفاع في درجة الحرارة - صداع - طفح جلدي - التهاب في ملتحمة
العين - آلام في العضلات والمفاصل).

طرق الوقاية:

- يجب استعمال وسائل الحماية الشخصية من لدغ البعوض
وتتلخص في :
- الالتزام بارتداء الملابس ذات الأكمام والأرجل الطويلة.
- دهان المناطق الظاهرة بالجسم بالدهانات الطاردة للبعوض.
- رش اماكن المعيشة بالمبيد الحشري المناسب.
- عدم وضع المواد المعطرة لانها جاذبة للبعوض والحشرات الطائرة.
- النوم داخل اماكن ذات نوافذ مغطاه بسلك شبكى مانع
للبعوض.
- النوم داخل ناموسيه في المناطق التي يتواجد بها البعوض
بكثافة عالية.

Travelers Screening

- Admin. for Quarantine has informed the Medical officers attached to the airport about measures that need to be taken in the event patients with Zika virus clinical history enter the country.



- Screening in the context of pregnant women with a travel history to a country with active transmission of ZIKV & close monitoring with the healthcare provider

Management of suspected ill Travelers

- In case of any passenger showing symptoms of **Zika virus** infection, the Health department officials here would be informed about this so that they can be treated in isolated wards
- **Pregnant women** who have recently traveled to an area with Zika should be monitored even if they don't feel sick. CDC has guidance to help doctors decide what tests are needed for pregnant women who may have been exposed to Zika.

Zika Virus Alert Tips for Travelers

Keep mosquitoes out of your hotel room or lodging

- ◆ Choose a hotel or lodging with air conditioning or screens on windows and doors.
- ◆ Sleep under a mosquito bed net if you are outside or in a room that is not well screened. Mosquitoes can live indoors and will bite at any time, day or night.
 - » Buy a bed net at your local outdoor store or online before traveling overseas.
 - » Choose a WHOPES-approved bed net (like Pramax*): compact, white, rectangular, with 156 holes per square inch, and long enough to tuck under the mattress.
 - » Permethrin-treated bed nets provide more protection than untreated nets.
 - Permethrin is an insecticide that kills mosquitoes and other insects.
 - Do not wash bed nets or expose them to sunlight. This will break down the insecticide more quickly.



If you are travelling with a baby or child:



- ◆ Always follow instructions when applying insect repellent to children.
- ◆ Do not use insect repellent on babies younger than 2 months of age.
- ◆ Instead, dress infants or small children in clothing that covers arms and legs, or cover the crib, stroller, and baby carrier with mosquito netting.
 - » Adults: Spray insect repellent onto your hands and then apply to a child's face. Do not apply insect repellent to a child's hands, mouth, cut or irritated skin.

Treat clothing and gear



- ◆ Use permethrin to treat clothing and gear (such as boots, pants, socks, tents) or purchase permethrin-treated clothing and gear. Read product information to find out how long the protection will last.
- ◆ If treating items yourself, always follow the product instructions.
- ◆ Do **not** use permethrin products directly on skin.

Use an insect repellent with one of the following active ingredients:

Active ingredient

Higher percentages of active ingredient provide longer protection



Some brand name examples*

(Insect repellents may be sold under different brand names overseas.)

DEET

Off!, Cutter, Sawyer, Ultrathon

Picaridin, also known as **KBR 3023**, **Bayrepel**, and **icaridin**

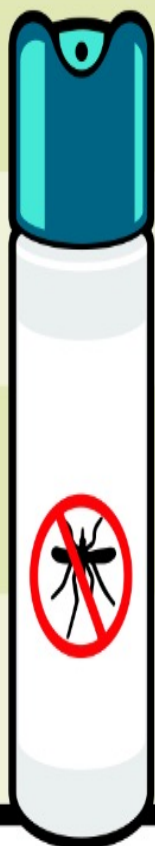
Skin So Soft Bug Guard Plus, Autan (outside the United States)

Oil of lemon eucalyptus (OLE)
or **para-menthane-diol (PMD)**

Repel

IR3535

Skin So Soft Bug Guard Plus Expedition, Skin Smart



References

- <http://wwwnc.cdc.gov/travel/page/zika-travel-information>
- <http://www.who.int/mediacentre/factsheets/zika/en/>
- <http://www.icao.int/Newsroom/Pages/ICAO-Coordinating-with-World-Health-Organization-on-Zika-Response.aspx>

TRAINING
YOU

