

**CAPSCA / MID 5**

**Egypt 2016**

**PERPARDENESS AND RESPON  
FOR ZIKA VIRUS OUTBREAK  
(PHEIC) AND COLLABRTIVE  
ARRANGMENT**

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# QUARANTINE IN EGYPT

- Quarantine is the public Health Authority in all POEs .
- 36 quarantine section are distributed allover Egypt .
- 19 designated POE as per IHR 2005 including 8 airports ,8 ports and 3 ground crossings .
- Quarantine work in all POEs in collaboration, coordination & cooperation with stalk holders .



# “ZIKA VIRUS DISEASE”

## The Preparedness and response for ongoing outbreak

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# **ZIKA VIRUS DISEASE**

**“ ZVD ”**

# **WHY ZIKA VIRUS OUTBREAK MAKES PUBLIC HEALTH EMERGENCY OF INTERNATIONAL CONCERN?**

- 1- It is a mild illness which may causes serious complications Microcephaly & Guillain–Barre Syndrome (GBS).
- 2- No curative treatment or preventive vaccination till now.
- 3- Rapid Transmission through Latina America ,Pacific and Maldives .
- 4- Aedes mosquitoes (the transmitted vector) are widely distributed allover the world .

# MAIN OBJECTIVES

- 1- Monitoring the epidemiological situation all over the world through the available latest information.
- 2- Take the necessary health measures to prevent transmission of the disease across different POEs by aircraft disinsection on screening arriving passengers from affected countries, reporting all arrival from affected countries for active surveillance.
- 3- Allocate equipped clinic at airports with emergency medications and equipment to deal with medical emergencies.
- 4- Establish lines of communication between public health and transport sector officials' e.g. civil aviation authority, airport operator, airlines, seaport etc., raise awareness of ZVD and disseminate information among all relevant stakeholders at POE
- 5- Raise awareness among airlines of the need to immediately notify airport health authority prior to arrival of any suspect cases onboard.

# ZIKA FEVER SYMPTOMS:

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- Fever.
- Skin rashes.
- Conjunctivitis (Pink eye).
- Muscle & Joint Pain.
- Malaise.
- Headache.

“ Symptoms are usually mild and last for 2-7 days “

# AFFECTED COUNTRIES

**Brazil**

**French Polynesia**

**El Salvador**

**Venezuela**

**Colombia**

**Suriname**

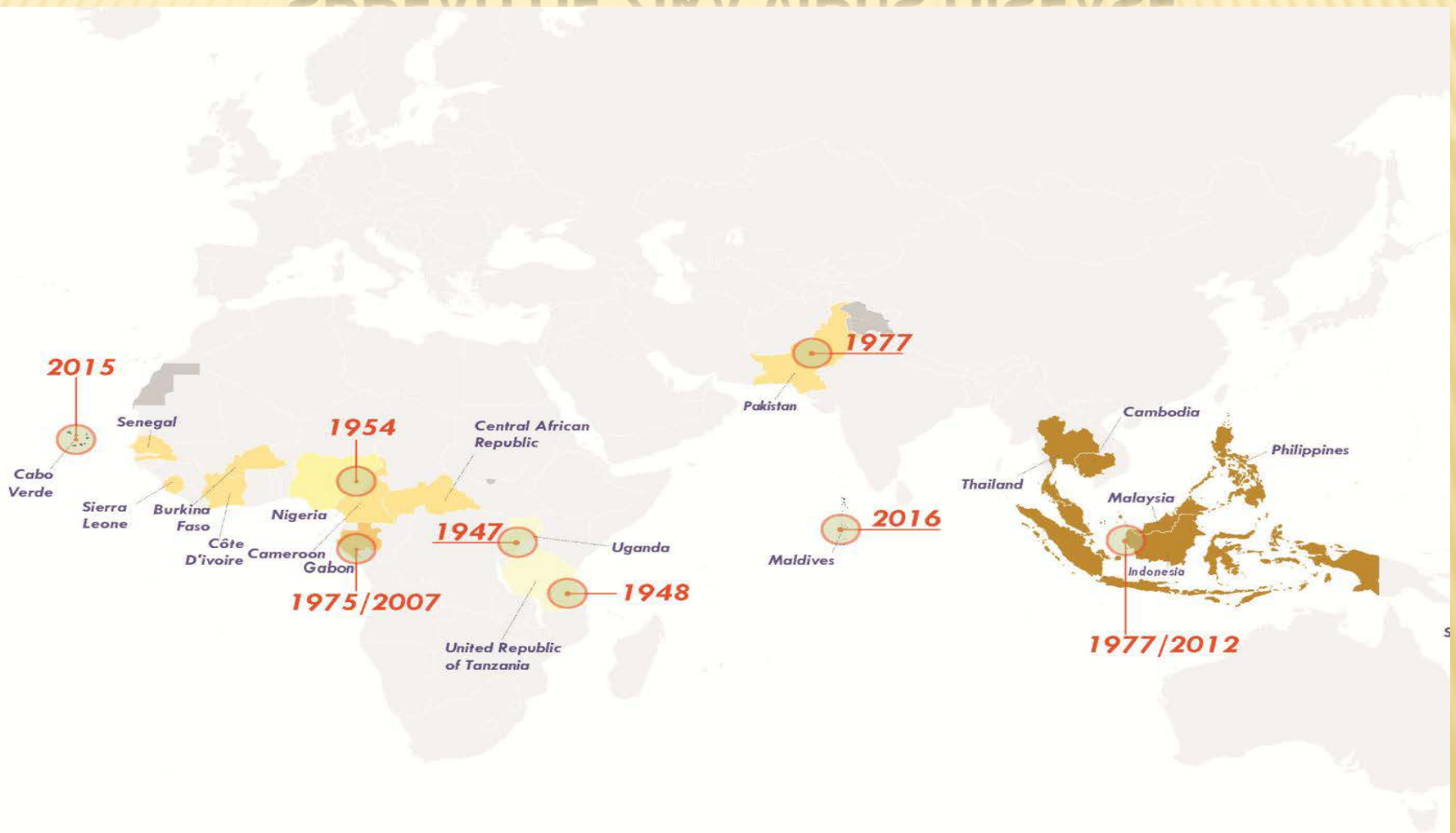




# ONGOING OUTBREAK



# SPREAD OF ZIKA VIRUS DISEASE



# RESPOND OF THE EGYPTIAN MINISTRY OF HEALTH & POPULATION (MOHP) TO ZKV

- × The first response was from first under secretary of Preventive Affairs and Endemic Diseases at MOHP by holding a taskforce for responding to ongoing “ZVD” outbreak on January 2016 the responsible directorates & departments are:
  - × Central Directorate of Preventive Affairs,
  - × National Central Laboratories ,
  - × CDC,
  - × Epidemiology & Surveillance Directorate,
  - × General Directorate for Vector Control *and*
  - × Quarantine General Directorate .

# **ACTIVITY OF THE TASK FORCE HELD AT MOHP**

- 1. Dissemination of information to public and clinician on ZVD and ongoing outbreak .**
- 2. Ensure adequate equipment and staff for vector control and surveillance at POEs and around .**
- 3. Disseminate clinical information to hospitals for early detection of ZVD .**
- 4. Request for available lab kits for diagnosis of ZVD**
- 5. Making an Axis Plan for Zika Virus Disease.**

# AXIS PLAN

- 1- Monitor the epidemiological situation .
- 2- Activation of the public health emergency plan.
- 3- Provision of manpower .
- 4- Training .
- 5- Applying preventive measures .
- 6- Applying standard operating procedures (SOPs).
- 7- Media and communication.
- 8- Coordination & cooperation protocols .
- 9- Prepare daily reports .
- 10- Follow-up and evaluation.

# 1- MONITORING THE WORLD EPIDEMIOLOGICAL SITUATION

- ✘ Through our **Passengers Health Unit** at the Egyptian Quarantine Directorate who are responsible for monitoring the world epidemiological situation through the available data from the WHO and the Media as well .
- ✘ Risk assessment for the spread of the disease at the time being.

## **2- ACTIVATION OF PUBLIC HEALTH CONTINGENCY PLAN**

**Immediate activation of the public health emergency plan for responding to any events that may constitute a public health emergency of international concern (PHEIC).**

### **3- PROVIDE MANPOWER**

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**Ensure sufficient number of trained staff (doctors, nurses , sanitary observers, vector control workers ....etc.).**

**For screening ,evaluation of ill passengers , inspection of goods and conveyances , review and transfer data from public health card collected from arriving passengers to national surveillance database ....etc.**



# 4- TRAINING

- With collaboration of the responsible directorates at MOHP, we develop a training program to fill gaps related to health workers (including vector born diseases surveillance).
- **We Started our training programs for our personnel at POEs including the ways of combating disease's vectors on November 2015 .**



# 5- APPLYING PREVENTIVE MEASURES

Applying all preventive health measures screening passengers, filling the health follow-up cards, distributing awareness leaflets, disinsect the aircrafts, ships and vehicles...etc.) such as:

- Monitoring arriving passengers (if coming from affected areas even on board of direct or indirect flights).
- Filling the Public Health Cards and reporting all arrivals to surveillance unite .
- Distributing awareness leaflets.
- Disinsect all arriving aircrafts, ships & vehicles ...etc. (if coming from affected areas).



# **6- APPLYING THE STANDARD OPERATING PROCEDURES (SOP)**

- 1- Coordinate with Airport Management & Airport Control Tower.**
- 2- Coordination with Airlines Companies (or their Providers).**
- 3- Raise Awareness among personnel at the airport including Cargo Companies & personnel.**
- 4- Raise awareness and Knowledge of Passengers about zvd.**
- 5- Raise Capacities of the Medical Clinics, Medical Staff & Vector Control Units of the Quarantine Sectors.**

# 7- MEDIA & COMMUNICATION

## How Media can help?

- Awareness leaflets (Arabic – English).
- Posters (Arrival & Departure halls) at Airports.

## How Communication can help?

- Early information from transport companies.
- Facilitate quarantine personnel work.
- Easily accept new health rules seeking travelers safety.
- Training courses for stake holders & co-workers.

**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.

# 8- COORDINATION & COOPERATION PROTOCOLS

By having & activating protocols with all concerned parties such as:

## - Concerned Ministries

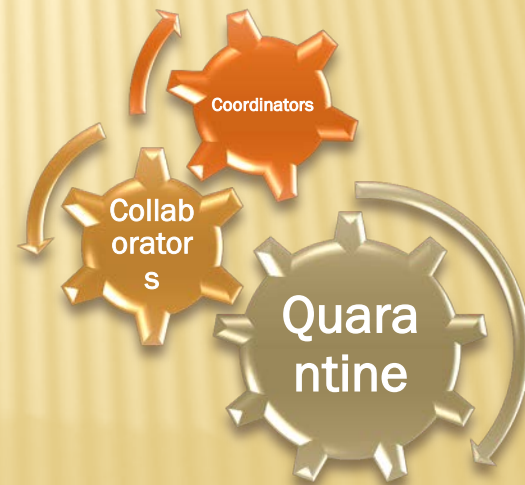
- Ministerial committee held between public health authority ,civil aviation authority , airport company and national airline company to activate national preparedness plan.

- Ministerial letter to ministry of civil aviation and ministry of transportation

## - Designated hospitals

Protocol with directorate of fever hospitals to designate hospital for each POE

- Ambulance ..... etc.





# **9- DAILY REPORTS**

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**To take necessary actions at the right time .**

# **10- FOLLOW-UP & EVALUATION**

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**Our staff and our Surveillance System.**

*Thank You,*



**QUARANTINE GENERAL DIRECTORATE**