



Dengue Prevention

What do you need to know...



Objectives

- What is dengue fever
- Characteristics of the *Aedes* mosquito
- Life cycle of the *Aedes* mosquito
- How the *Aedes* mosquito transmit diseases
- Signs & Symptoms of dengue fever
- What is the treatment for dengue fever
- How to prevent the spread of dengue fever



What is dengue fever?

Dengue Fever is an illness caused by infection with a virus transmitted by the *Aedes mosquito*.

4 types of dengue. Type 3 DHF, 4DSS

Characteristics of the Aedes Mosquito

- One distinct physical feature - black and white stripes on its body and legs.
- Bites during the day.
- Lays its eggs in clean, stagnant water.



Do you know...

- Only the **female** *Aedes* mosquito feeds on blood. This is because they need the protein found in blood to produce eggs. Male mosquitoes feed only on plant nectar.
- On average, a **female** *Aedes* mosquito can lay about 300 eggs during her life span of 14 to 21 days.

How Do Aedes Mosquitoes Transmit Diseases...

Mosquito bites and sucks blood containing the virus from an infected person.



And passes the virus to healthy people when it bites them.

Virus is carried in its body.

Signs & Symptoms of Dengue Fever



- Sudden onset of fever
- Headache
- Pain behind eyes
- Muscle & Joint pain
- Rash
- Hemorrhagic manifestations

Sudden fever + at least 2x other s/s

Do you know...

Dengue has a 5% mortality rate which can be reduced to 1% if treated early.



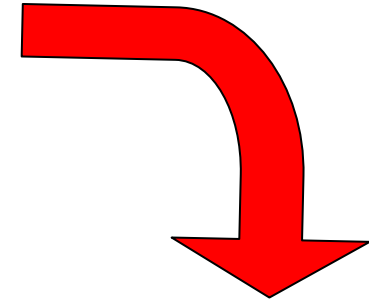
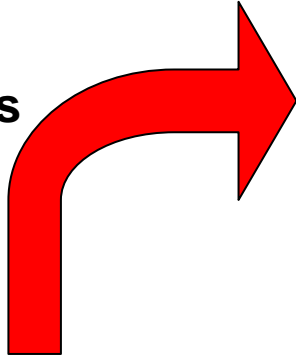


What is the treatment for Dengue fever

- Plenty fluids
- Rest
- Acetaminophen (no ASA or Ibu.) to manage fever
- Monitor blood pressure, hematocrit, platelet count, level of consciousness
- Continue monitoring even if fever subsides
- If any doubt, provide intravenous fluids, guided by serial hematocrits, blood pressure, and urine output. The volume of fluid needed is similar to that needed in the treatment of diarrhea with mild to moderate isotonic dehydration (5-8% deficit).

Life cycle of the Aedes Mosquito

1-2 days



Pupae



4-5 days

Larvae



2-3 days

Eggs



Stagnant water



*This is what you can do to
help...*

Prevent *Aedes* from Breeding!

Remove ALL sources of stagnant water.

Deny the *Aedes* mosquito of any chance to breed.

Remove water from flowerpot plates on alternate days.



Remove water from flowerpot plates on alternate days.



Turn over all pails and water storage containers.



Clear blockages and put Bti insecticide in roof gutters monthly.



Do not litter. Rubbish such as cups and bottles can collect rain water and breed mosquitoes.



**Spread the dengue prevention
message to others...**



Thank you