

Keys ABCD  
(Action to Break the Cycle of Dengue)  
Key West City Commission  
March 15, 2011

# Dengue Makeup

- Single-stranded RNA flavivirus
  - Same family as the viruses that cause West Nile fever, St. Louis encephalitis and yellow fever
- Four serotypes: DEN 1, 2, 3, 4
  - Infection provides lifelong immunity to the specific serotype

# Dengue Symptoms

- Sudden onset of high fever
- Severe headache
- Pain behind the eyes
- Body aches and joint pains
- Nausea or vomiting
- Rash

*Note: Severity of symptoms can range from no symptoms to severe.*

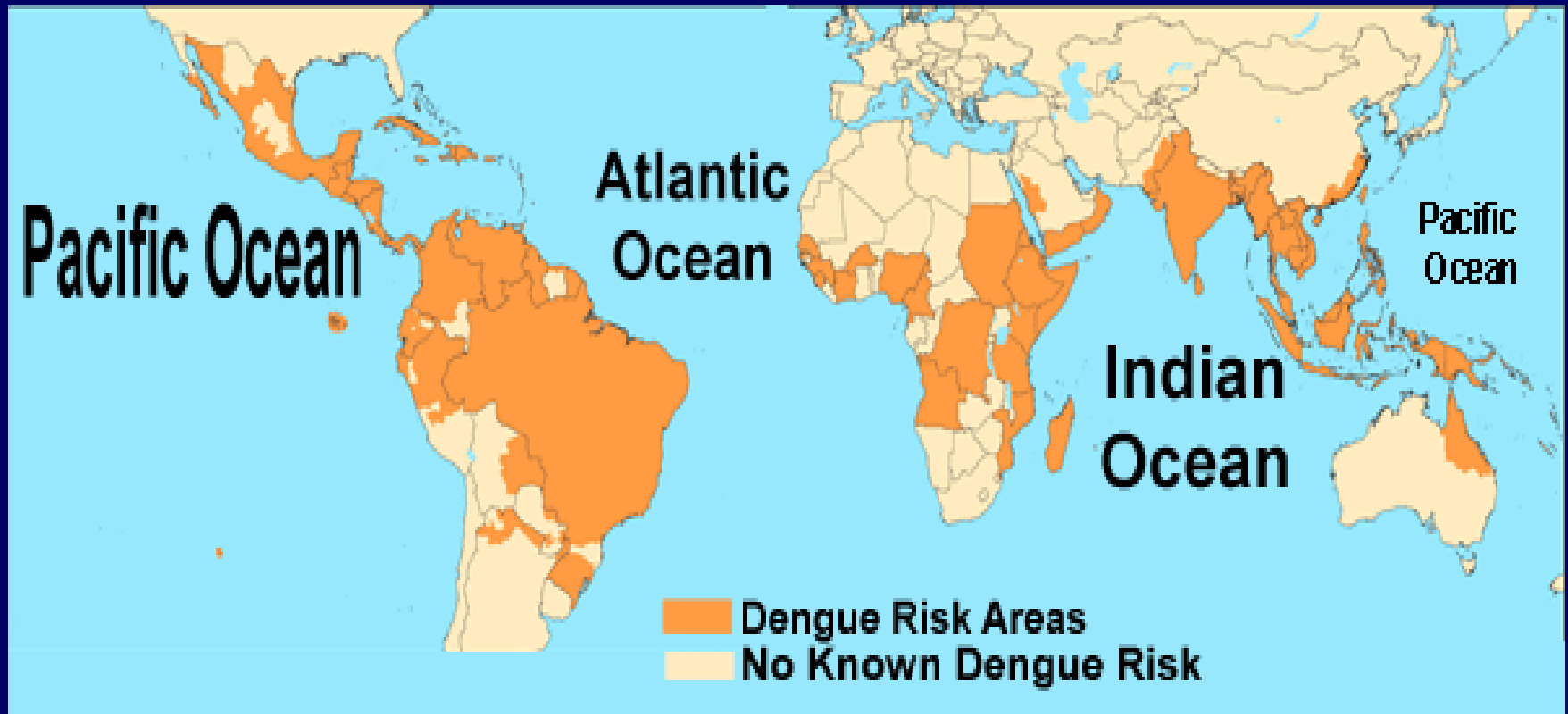
# Dengue vs. Flu

- Fever
- Severe headache
- Body aches
- Fatigue
- Nausea or vomiting
- Pain behind the eyes
- Joint pain
- Rash
- Fever
- Headache
- Body aches
- Fatigue
- Nausea or vomiting
- Cough
- Sore throat
- Runny or stuffy nose
- Chills
- Diarrhea

# Dengue Treatment

- Consult a physician if you experience fever and at least two of the other symptoms of dengue
- Rest
- Drink plenty of fluids
- Take acetaminophen (avoid pain relievers that contain aspirin)

# Dengue Worldwide (2008)



# Dengue Florida

## *What works against us...*

- Increased dengue activity in endemic areas
- Increased world travel
- Warm climate
- Routine rainfall
- Abundance of mosquitoes
- No vaccine or antidote
- Apathy

## *What works for us...*

- Established mosquito control program
- Water/waste management
- Housing with screens and air conditioning
- Awareness

# Dengue in Key West

2009	27 cases
2010	66 cases
2011 (3/15/11)	0 cases



# Dengue Cycle



Person with active dengue in his/her system (symptomatic or asymptomatic)



*Aedes aegypti*



# Communitywide Mission

*Break the cycle of the disease*

Keys ABCD (Action to Break the Cycle of Dengue)

With no vaccination or antidote for dengue, the only way to break the cycle of the disease is to eliminate the mosquitoes that can carry the disease, as well as potential breeding sites for these mosquitoes.

# Dengue Awareness: **Keys ABCD**

*Aedes aegypti* can be found in and around homes and businesses. As a result, it's important that each of us in the community does his/her part to help eliminate mosquito breeding sites on our own properties on a routine basis to help protect ourselves and overall public health.

# Dengue Awareness: **Keys ABCD**

- Dump standing water in manmade containers daily and immediately after rain (name some manmade containers...)
- Make sure there are no holes in screens on windows and doors
- Use air conditioning whenever possible
- Apply mosquito repellents (DEET, Picaridin, oil of lemon eucalyptus, etc.), especially on legs, ankles and feet
- Wear long sleeves and pants

Monty  
Mosquito



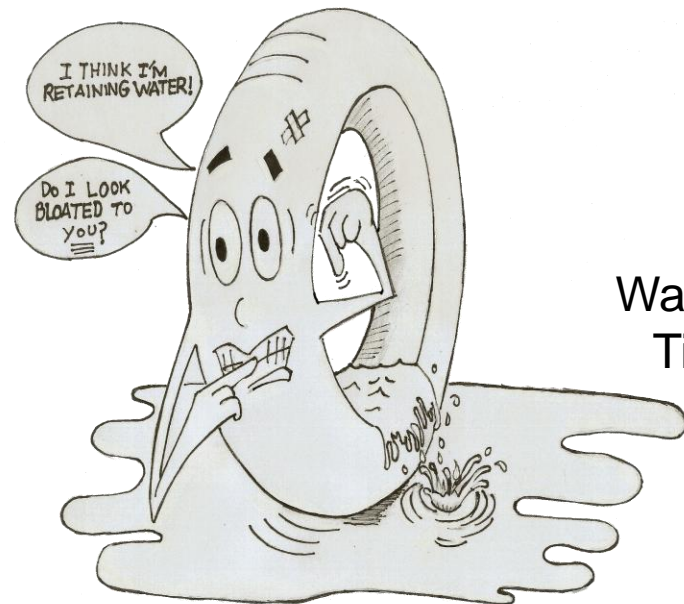
Stan  
Dingwater



Flora Potz

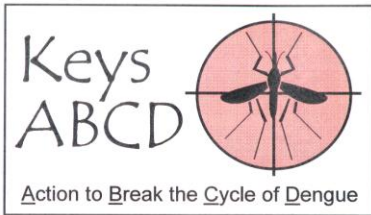


Warren  
Tire





Florida Keys Aqueduct Authority



# *Fight the Bite!*

Mosquitoes are not just pesky,  
they can be a health hazard.

Standing water attracts mosquitoes,  
especially those that want to lay their eggs.

The best way to protect you and others from dengue  
and other mosquito-borne illnesses is to eliminate  
standing water in and around homes and businesses  
on a routine basis.



[www.fightthebitecontest.org](http://www.fightthebitecontest.org)



# FL 6th

• Do NOT spray ANIMALS with DEET, it could make them sick!

Ha Ha!! You should have used **DEET**!!

YEOW

Even I did!!



**Repelle Yourself**

- Swampy and wet locations are where mosquitos prefer, also early mornings and late afternoons are the peak of mosquito biting time.
- Mosquitos can even breed in small containers. So check under bushes and herb-to-see place to empty water out of things such as toys.
- Just a couple seconds to spray on deet will protect you and your kids from having borre diseases.



# From The Bite



# FIGHT THE BITE!

Protect your arms, legs, neck, and feet...  
**USE DEET!**

Don't be a mosquito treat  
**USE DEET**

DEET

Be Safe

DEET

Mosquito BITE

FL 5th

USE DEET SO MOSQUITOES CAN'T EAT

For more info, go to [www.cdc.gov](http://www.cdc.gov) and [www.deetonline.org](http://www.deetonline.org)