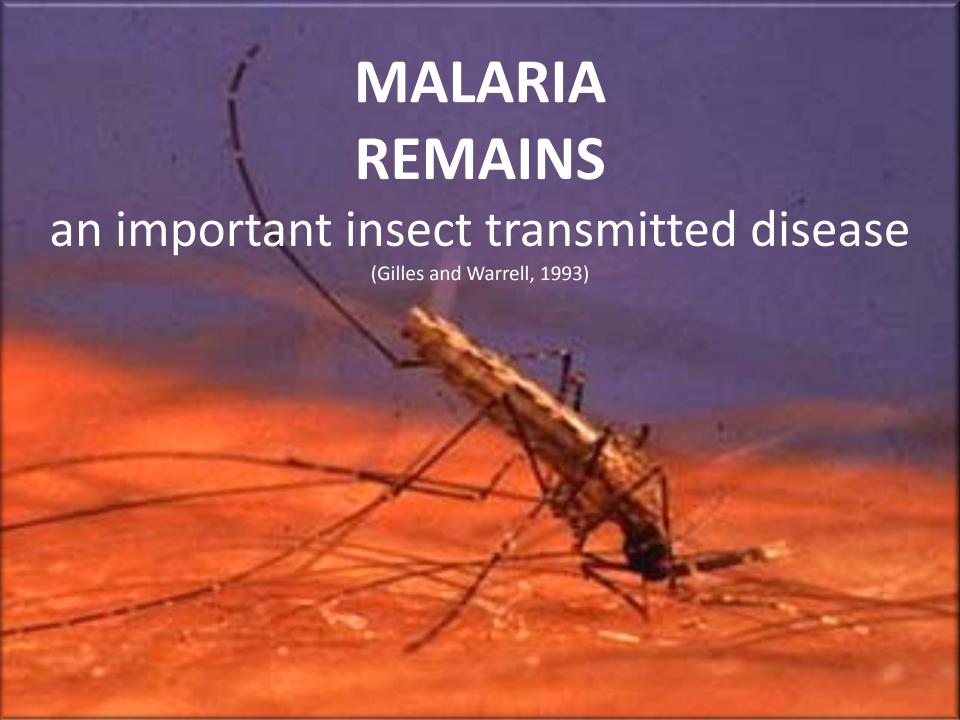
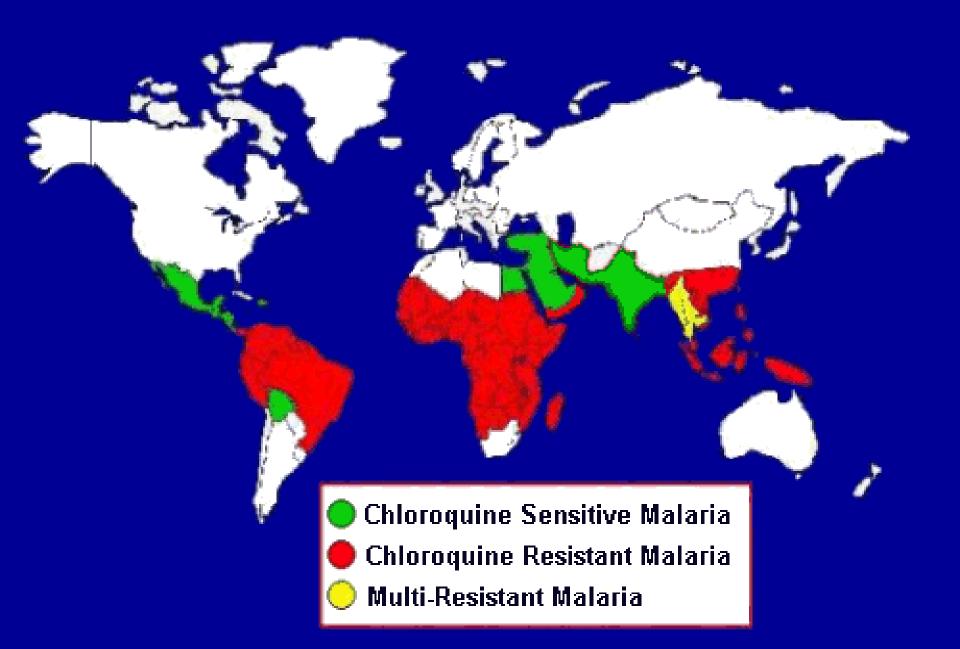


THE PURPOSE OF THIS PRESENTATION

- Describe Malaria and Its Impact
- Explain the Resurgence of the Disease Globally
- Describe the Current Approaches and Concerns
- Discussion Reintroduction of an Old Concept Mosquito Larviciding
- Provide Examples of Successful Integrated Malaria Control Programs and the Components of Those Programs
- Elaborate on the Centres for Excellence (deleted in this presentation)



Malaria Endemic Areas

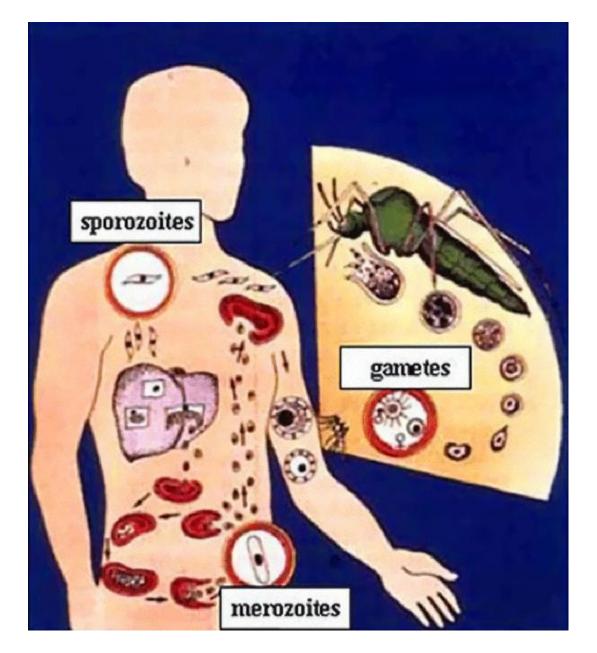


MALARIA SYMPTOMS

The parasite infects & multiplies in red blood cells and ruptures them

symptoms include:

anaemia, light headedness, shortness of breath, fever and sweating, chills with shivering, joint pain, vomiting, convulsions, jaundice death









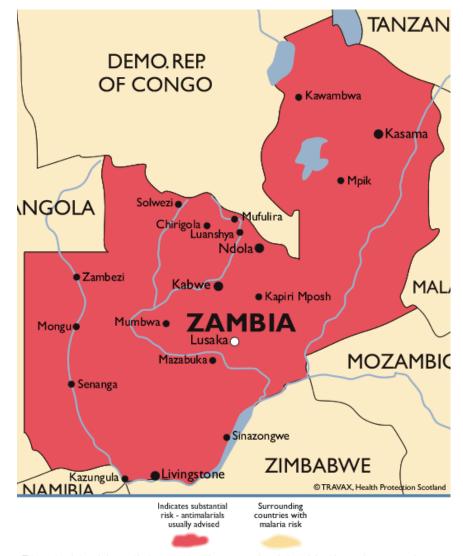


ROAN COPPER MINE

Successful Malaria Management Program 1929-1949

Program Components

- Mosquito nets
- Medical Treatments
- Adult Mosquito Control
- Environmental
 Management
- Larval Mosquito Control



This map is only intended as a guide since mosquitoes do not respect boundaries and the risk areas shown may not be exact.

Click on an icon below for additional country information

Regional Information

Major Airports

NORTH EAST BRAZIL

Success Eradication of Anopheles gambia from 54,000 km² 1930's and 1940's

Program Components

An integrated program but relied overwhelmingly on larval mosquito control

Killeen et al. 2002, Soper & Wilson 1943



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Regional Information

Major Airports

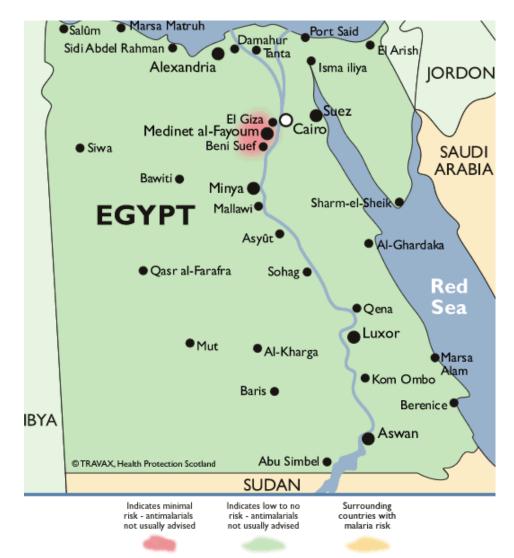
EGYPT

Success Eradication of Anopheles gambia 1930's and 1940's

Program Components

An integrated program but relied overwhelmingly on larval mosquito control

(Repeated the Brazilian experience)



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Regional Information

Major Airports

DAR ES SALAAM & TANGA TANZANIA

Successful Malaria
Management Program
1988-1996
Supported by Japanese \$\$

Program Components

- Insecticide Treated Nets
- Medical Treatments
- Indoor Residual House Spraying
- Environmental
 Management
- ➤ Larval Mosquito Control



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Regional Information

Major Airports

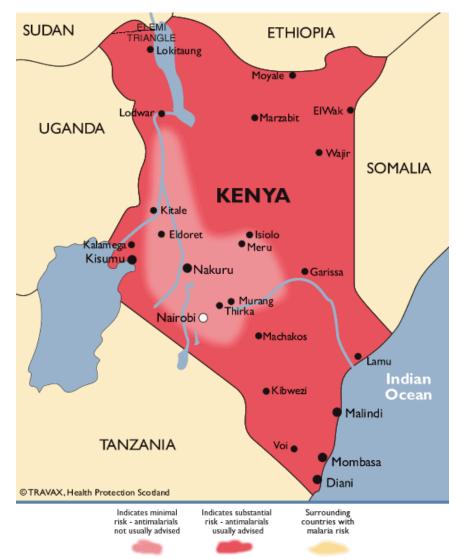
KENYA

Significantly Reduced the Incidence of Malaria In Children 2004-2007

Fillinger et al. 2009

Program Components

- > Insecticide Treated Nets
- Medical Treatments
- ➤ Larval Mosquito Control



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Regional Information

Major Airports