



A young child comatose with cerebral malaria in the children's ward at Ifakara Hospital, Tanzania.

表1 重症熱帯熱マラリアの病態と合併症1)

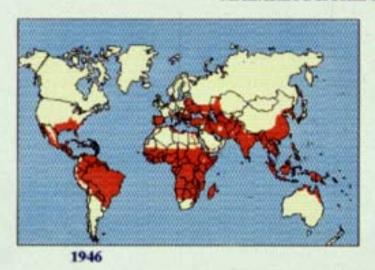
Defining criteria of severe disease

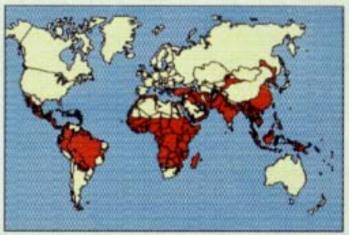
- 1. Cerebral malaria (unrousable coma)
- 2. Severe normocytic anaemia
- 3. Renal failure
- 4. Pulmonary oedema
- 5. Hypoglycaemia
- 6. Circulatory collapse, shock
- Spontaneous bleeding/disseminated intravascular coagulation
- 8. Repeated generalized convulsions
- 9. Acidaemia/acidosis
- 10. Malarial hemoglobinuria

other manifestations

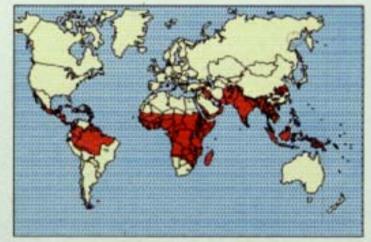
- 1. Impaired consciousness but rousable
- 2. Prostration, extreme weakness
- 3. Hyperparasitaemia
- 4. Jaundice
- Hyperpyrexia

MALARIA DISTRIBUTION 1946 - 1967 - 1996





1967



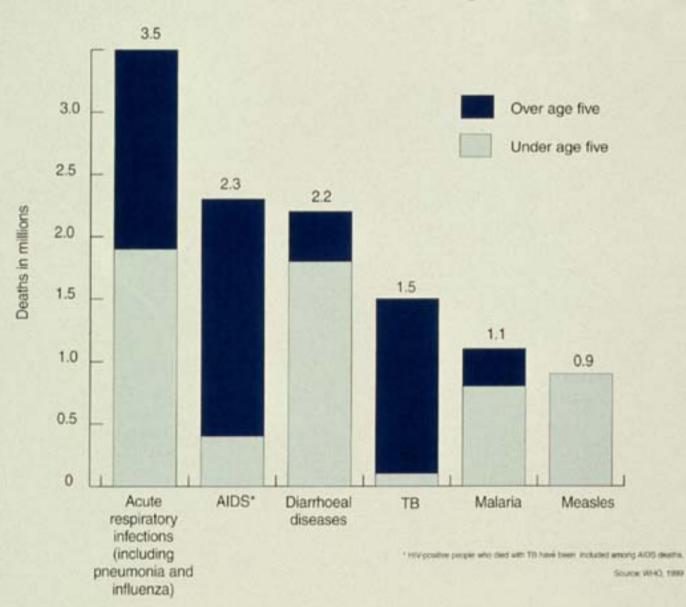
1996



WHOVCTD

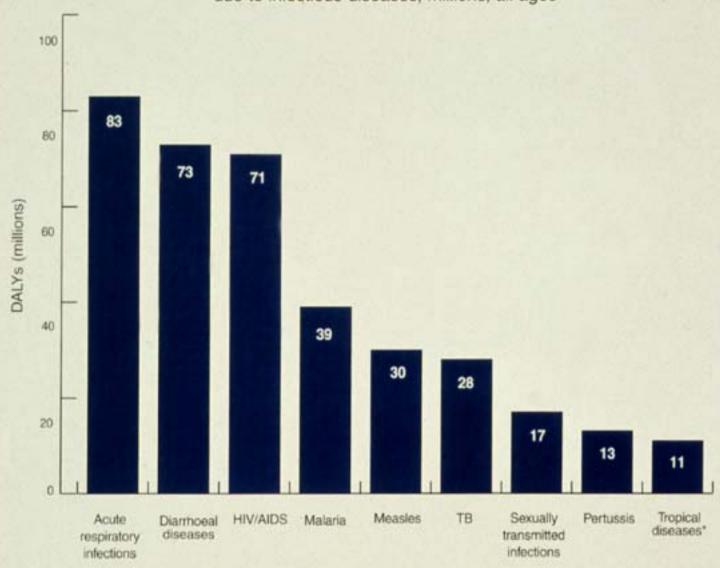
Leading infectious killers

Millions of deaths, worldwide, all ages, 1998



Burden of disease

DALYs (Disability Adjusted Life Years) lost in 1998 due to infectious diseases, millions, all ages



^{*} Tripical diseases include triplancesorriseis, Chages disease, schedosorriseis, sestenanues, lymphatic Bancos and anchocercines. Nate: One DALY is one ked year of healthy its.

マラリア流行のきっかけ

- ■大規模な開発事業
- ■大規模な人口移動
- ■都市の拡張
- □気象異常
- ■自然災害、戦争、森林破壊
- ■マラリア対策の成功
- 対策組織の崩壊、人的資源の崩壊

エイズ、結核、マラリアの経済負荷

- HIV/AIDS
- OGDP projected to drop by up to 8% in Sub-Saharan Africa by 2010, and by more than 20% by 2020
- ②It is estimated that governments of some countries lose as much as 20% of public revenue by 2010
- Tuberculosis
- 13-4 months lost work time wit 20-30% lost household income
- 215% greater health expenditure
- Malaria
- OGDP in Sub-Saharan Africa would be US\$ 100 billion greater if malaria had been controlled 35 years ago
- 2Poor families spend up to 25% of their annual income for malaria treatment, adding to the burden of those who are already most deprived

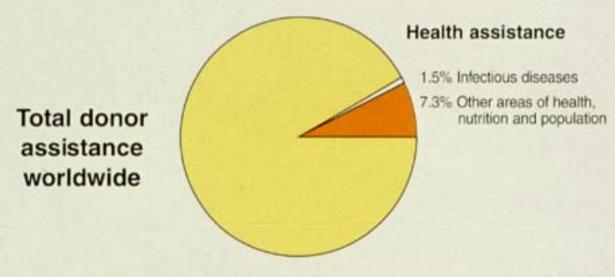
Recent commitment against Malaria

- 1991~1998: Malaria control expertise and capacity were expanded and strengthened particularly in Africa, especially through the project for Accelerated Implementation of Malaria Control (1997~1998)
- 1997: Task Force against Malaria Control and Prevention (WHO)
- 1997: New research collaborations, notably the Multilateral Initiative on Malaria
- 1998: The Roll Back Malaria Partnership was launched and consensus on the core technical strategies for tackling malaria established
- 2000: The United Nations declared 2001~2010 the Decade to Roll Back Malaria in developing countries, particularly in Africa (UN General Assembly, Resolution 55/284)
- 2000: Malaria figured prominently in the United Nations' Millennium Development Goals (General Assembly Official Records, 27th Special Session)
- 2000: African heads of state met in a historic summit in Abuja, Nigeria, to express their personal commitment to tackling malaria and to establish targets for implementing the technical strategies to Roll Back Malaria
- 2001: Resources for controlling malaria were significantly boosted with the establishment of GFATM

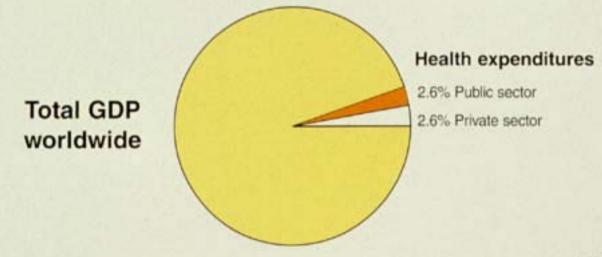
The Global Fund: A new resource to fight malaria(Africa, global fund component approvals as of January, 2003

Country	Total commitment over two years (US\$)
Benin	2,389,185
Burkina Faso	7,144,703
Comoros	1,534,631
Ethiopia	37,915,012
Ghana	4,596,111
Kenya	10,506,880
Malawi	20,872,000
Mozambique	12,273,573
Somalia	8,890,497
Tanzania	11,959,076
Uganda	23,211,300
Multicountry Africa	7,424,815
Total	256,206,713
	Benin Burkina Faso Comoros Ethiopia Ghana Kenya Malawi Mozambique Somalia Tanzania Uganda Multicountry Africa

Limited funding



Source Global Comparative Assessments in the Health Sector

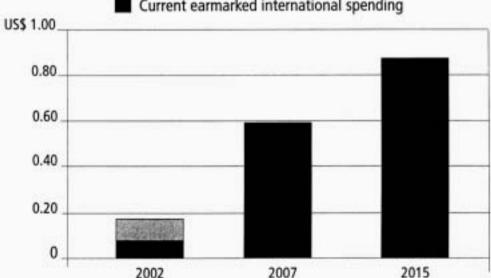


Countries and donors still need to increase spending for malaria

Recent estimates of what is financially necessary for malaria control with available tools suggest an approximate US\$ 0.6-0.9 (2002 US\$) per capita by 2007 and 2015, respectively, a significant increase from current levels of financing.



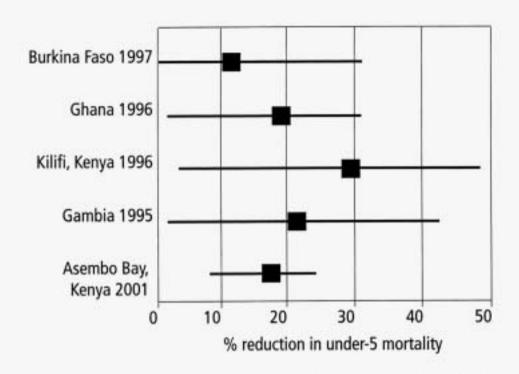
- Current earmarked domestic spending
- Current earmarked international spending



Note: Chart refers to malaria control in Africa south of the Sahara

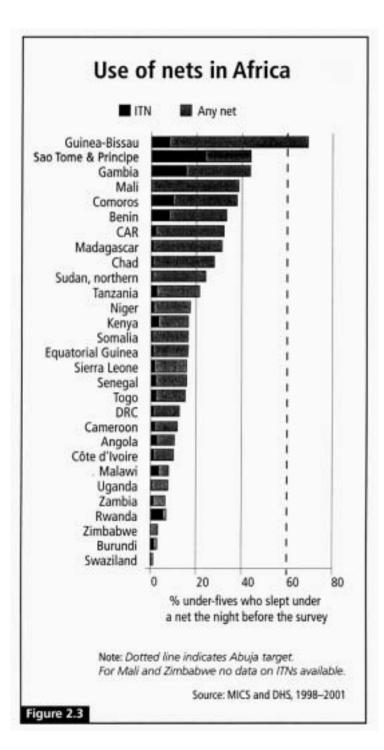
Source: reference 1

ITNs reduce under-5 mortality



Randomized controlled trials showed an overall under-5 mortality reduction of 17% in communities provided with ITNs compared with communities not provided with ITNs. The impact was similar across a range of malaria endemicities. Impact derives not only from a reduction in malaria deaths, but also from reductions in child deaths due to other causes that are associated with, or exacerbated by, malaria, such as acute respiratory infection, low birth weight, and malnutrition.

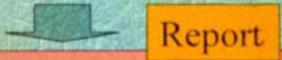
Source: reference 5, 24



Hashimoto Initiative

Former Prime Minister Mr. Hashimoto raised the issue at Denver Summit in June 1997

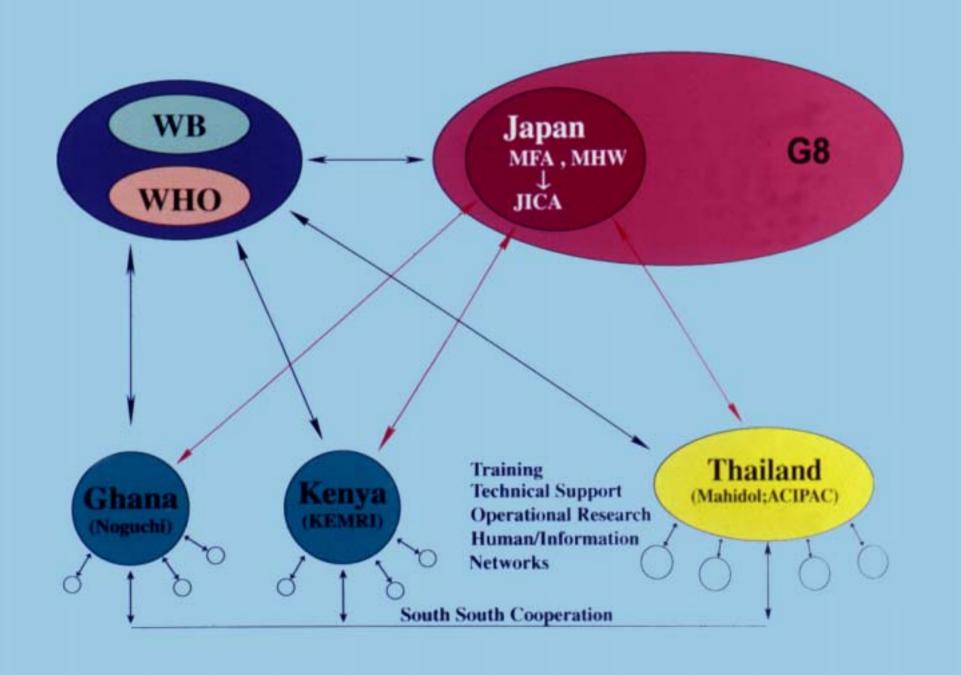
Set up the working group//International Workshop



Proposed by Mr. Hashimoto and discussed at Birmingham Summit in May 1998

Communique





Contribution to Global Parasite Control



Not only a health problem

