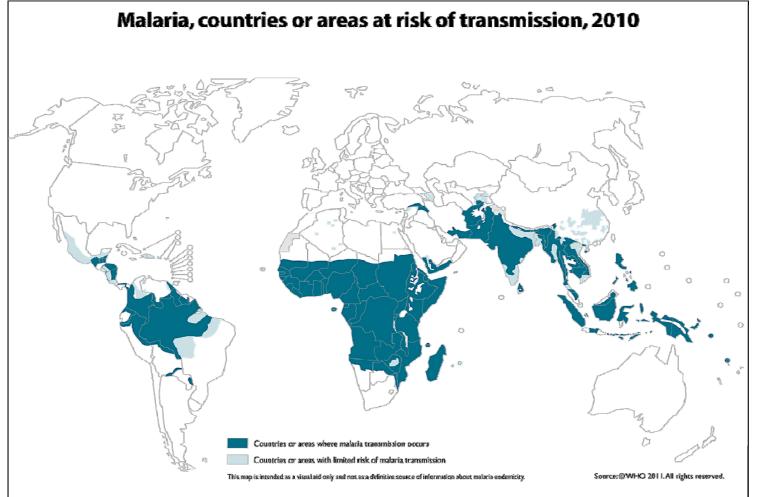
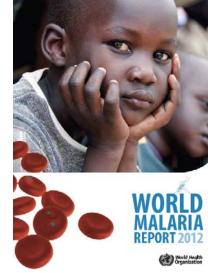
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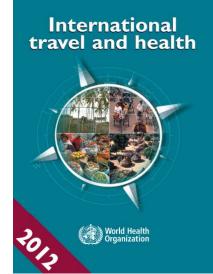
**Shigey uki Kano Shigey uki**  **99** countries and territories are endemic **219 million** (154-289, 5-95<sup>th</sup> centiles) **episodes** (81% in Africa) **660,000** (490,000-836,000, 5-95<sup>th</sup> centiles) **death**, (86% were children<5 yo), estimated in **2010** 



The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted lines on maps represent approximate border lines for which there may not yet be full agreement.



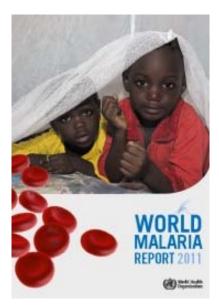




# TABLE 7.2.Estimates of malaria cases and deaths by WHO Region, 2010

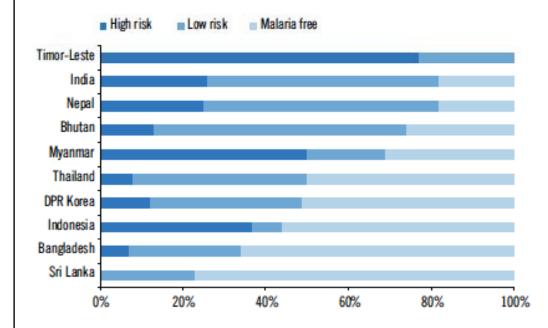
Region	Est Estimate	timated cases ('000 Lower	s) Upper	% P. falciparum	Confirmed cases reported	Reported/estimated
Africa	174 000	113 000	239 000	98%	20 000	11%
Americas	1 000	1 000	1 0 0 0	34%	1 0 0 0	59%
Eastern Mediterranean	10 000	8 000	14 000	82%	1 0 0 0	10%
Europe	0.2	0.2	0.2	5%	0.2	85%
South-East Asia	28 000	23 000	35 000	54%	2 000	9%
Western Pacific	2 000	2 000	2 0 0 0	77%	257	13%
World	216 000	149 000	274 000	91%	24 000	11%

		Estimated deaths		
Region	Estimate	Lower	Upper	% <5
Africa	596 000	468 000	837 000	91%
Americas	1 000	1 0 0 0	2 000	29%
Eastern Mediterranean	15 000	1 0 0 0	38 000	60%
Europe	0	0	0	4%
South-East Asia	38 000	28 000	50 000	31%
Western Pacific	5 000	3 0 0 0	6 000	41%
World	655 000	537 000	907 000	86%

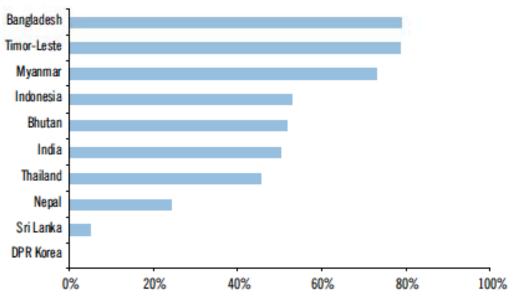


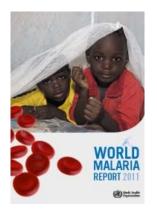
#### Southeast Asia

#### a) Population at risk, 2010



#### b) Percentage of cases due to P. falciparum, 2006-2010

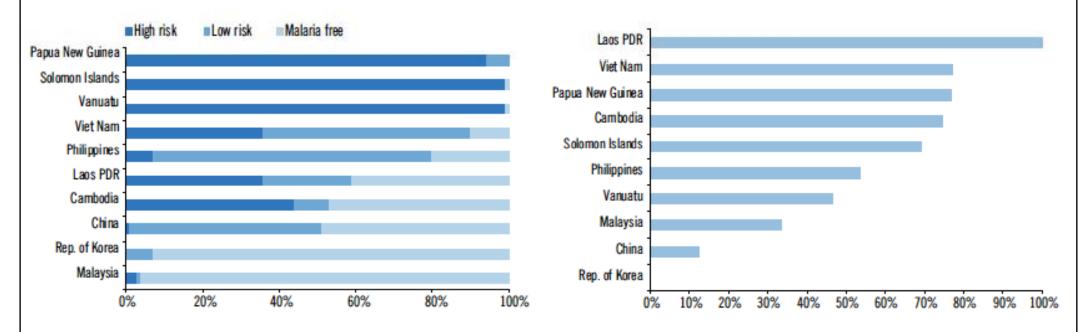


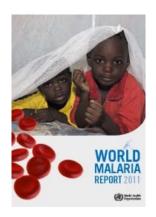


#### West Pacific

a) Population at risk, 2010

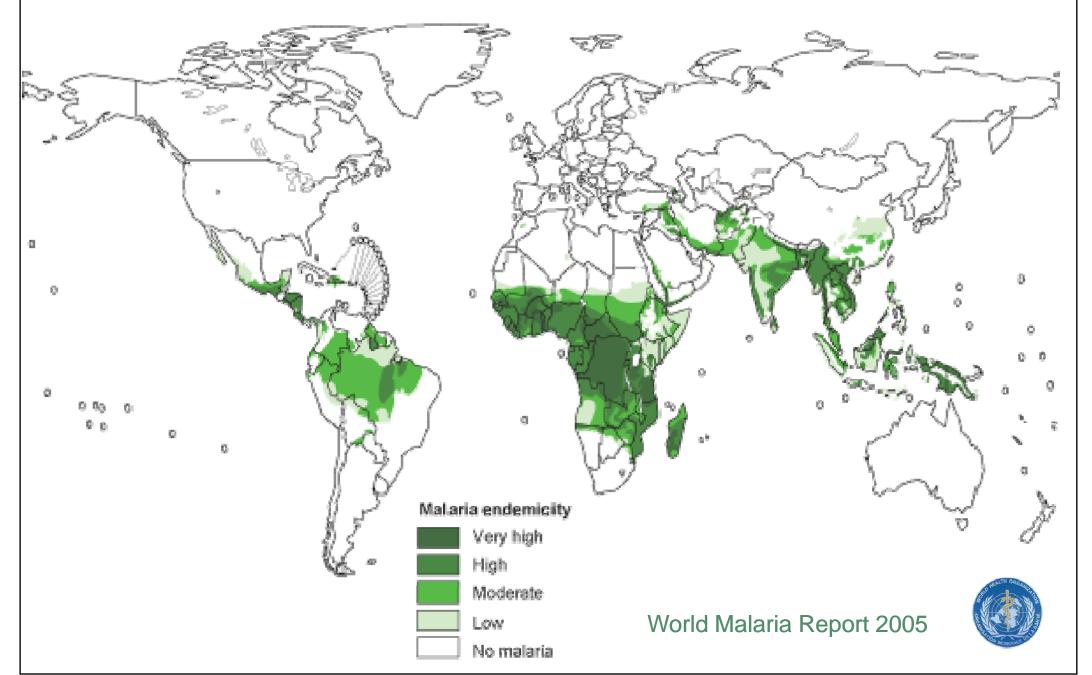
#### b) Percentage of cases due to P. falciparum, 2006-2010

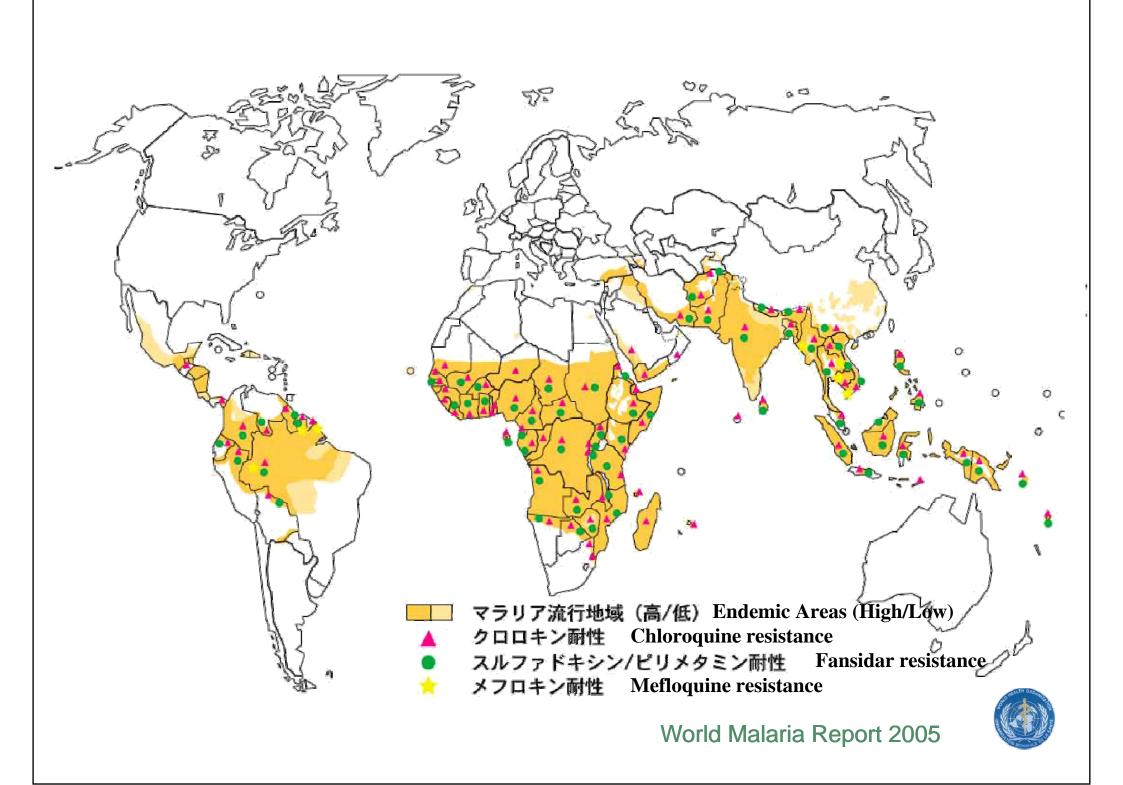




# In Asia and West Pacific, burden of malaria is much higher than you may have expecte

### Malaria endimicity in the world

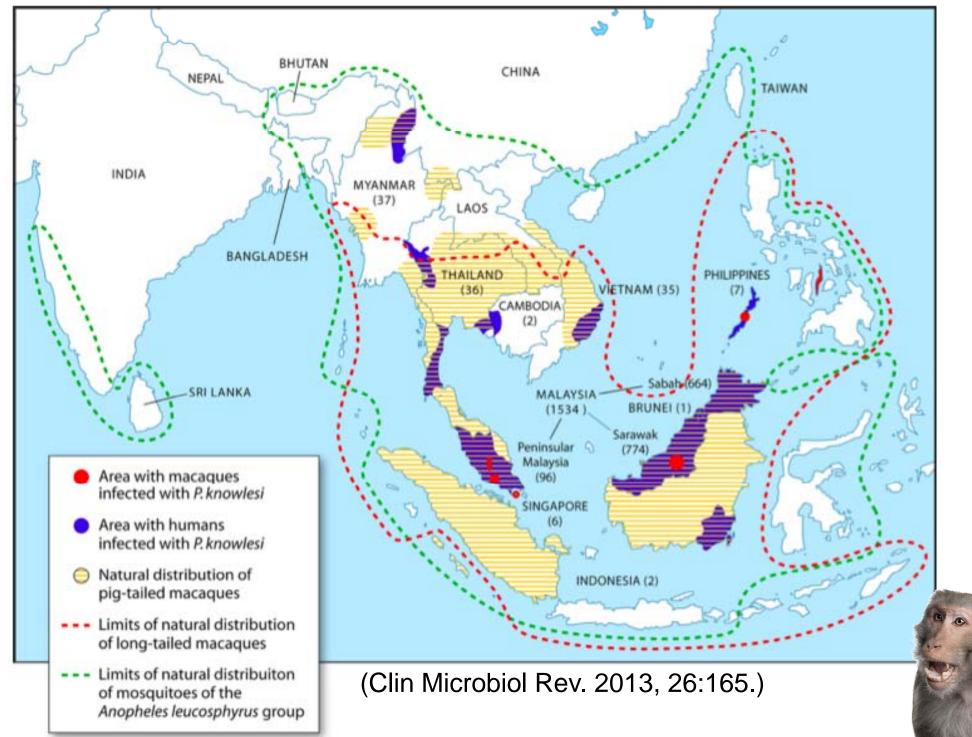






WHO 2013

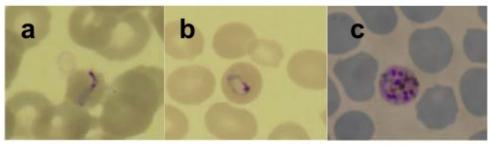
# Plasmodium knowlesi



#### The Case

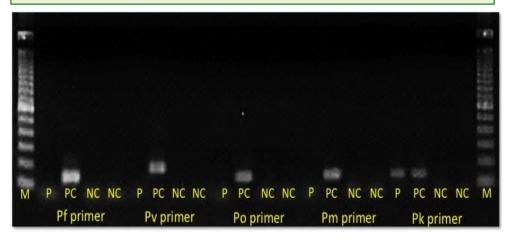
In September 2012, a previously healthy 35year-old Japanese man presented to the travel clinic in National Center for Global Health and Medicine, Tokyo with a 2-day history of daily fevers, mild headache, and mild arthralgia. He had visited Malaysia for entomological and botanical field investigations over a 2-month period and had stayed at Temengor (4 weeks), Johor (2 weeks), and Kuala Lumpur (2 weeks). While in Temengor, he stayed in a tent located near a forest and had not used any malaria prevention measures such as bed nets, mosquito repellents, or chemoprophylaxis. During his stay, he was bitten by mosquitoes and saw some wild monkeys. He had no health problems and was in a good physical condition until he experienced a sudden high fever  $(39.0^{\circ} \text{ C axillary temperature})$  the day after his return to Japan. He had fever spikes of  $>38.0^{\circ}$  C in a 24-hour period. On the 3<sup>rd</sup> day of his illness, he was admitted to our hospital.

#### (A) Before administration of mefloquine



This is the 1st reported case of imported human *P. knowlesi* infection in Japan. *P. knowlesi* infection might be more popular among travelers returning from Southeast Asia than previously thought. (**ProMED-mail)** 

Ryutaro Tanizaki, Mugen Ujiie, Yasuyuki Kato, Moritoshi Iwagami, Aki Hashimoto, Satoshi Kutsuna, Nozomi Takeshita, Kyoko Hayakawa, Shuzo Kanagawa, Shigeyuki Kano, Norio Ohmagari: First case of *Plasmodium knowlesi* infection in a Japanese traveller returning from Malaysia. **Malaria Journal** 12:128, 2013

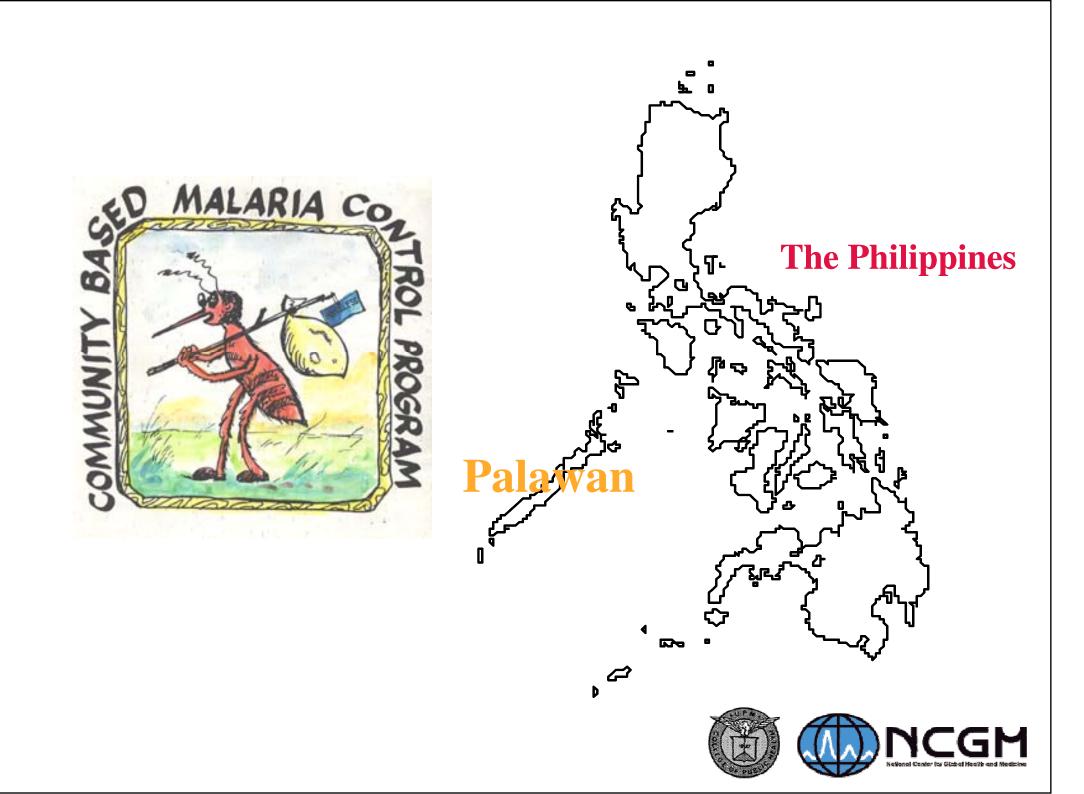


1992 Malaría Summít 1997 Hashimoto nitiative 1998 Roll Back Malaría 2000 Okinawa D Initiative 2002 Global Fund to Fight ATM

# 1992 Malaria Summit

Integration of malaria control program into the general health promotion planning Change of strategy from vertical to horizontal way Malaria control campaign through community participation

Community-based PHC





### Health Center at Barangay Mangingisda, Palawan











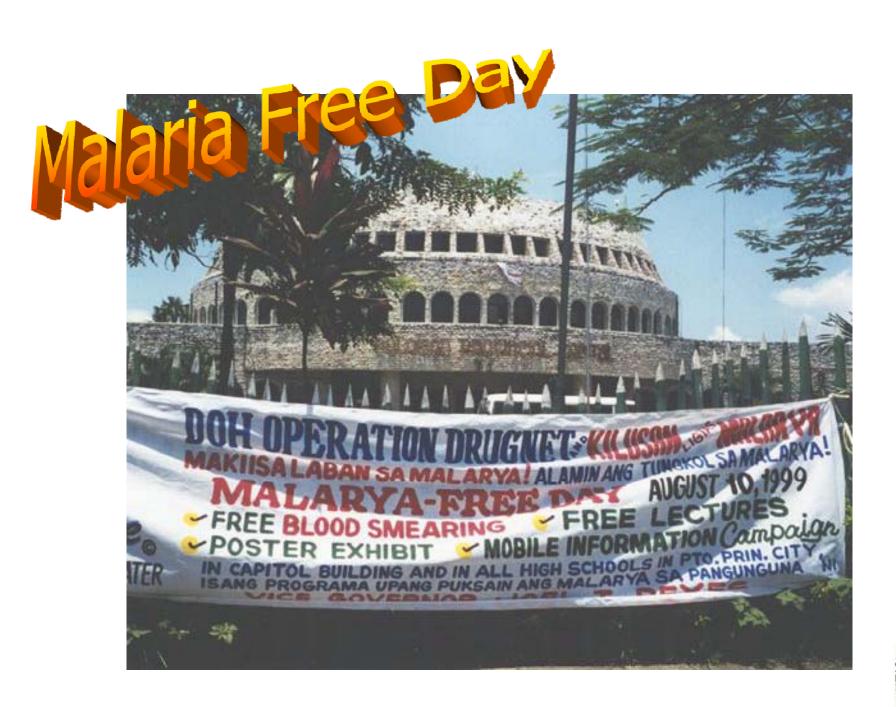


### Mosquito control

Comunity particit

**Environmental Cleaning** 













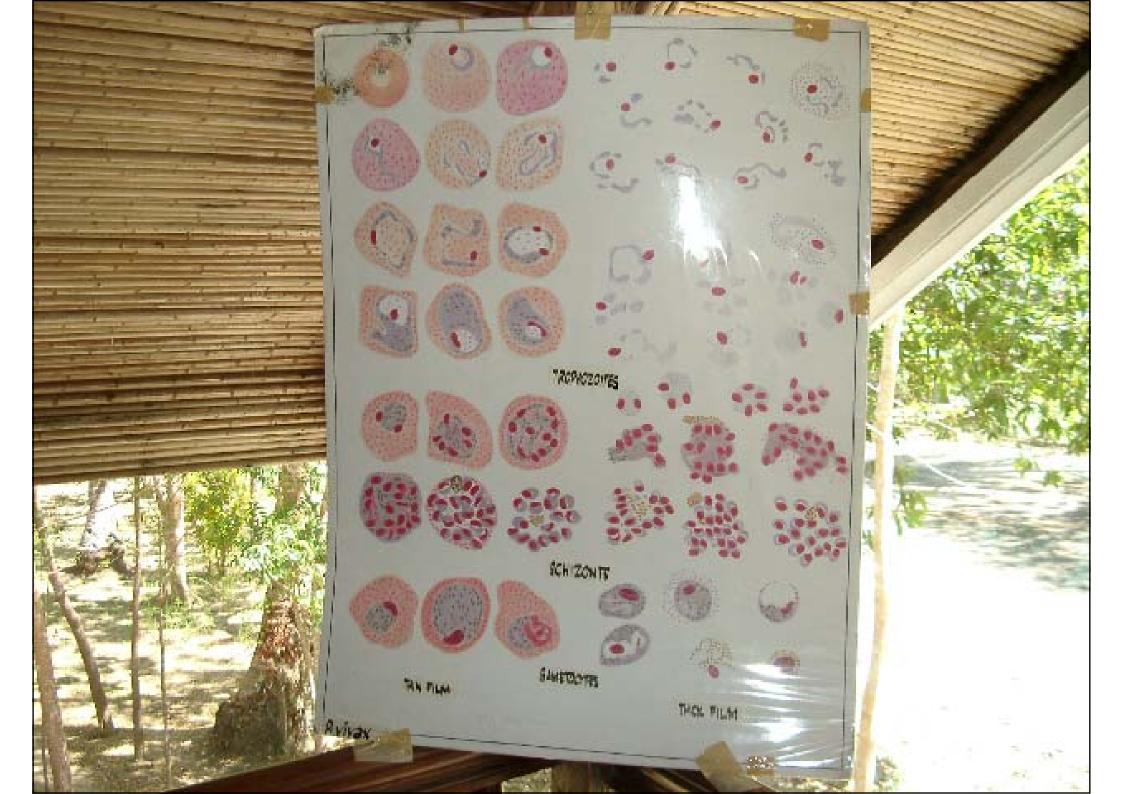
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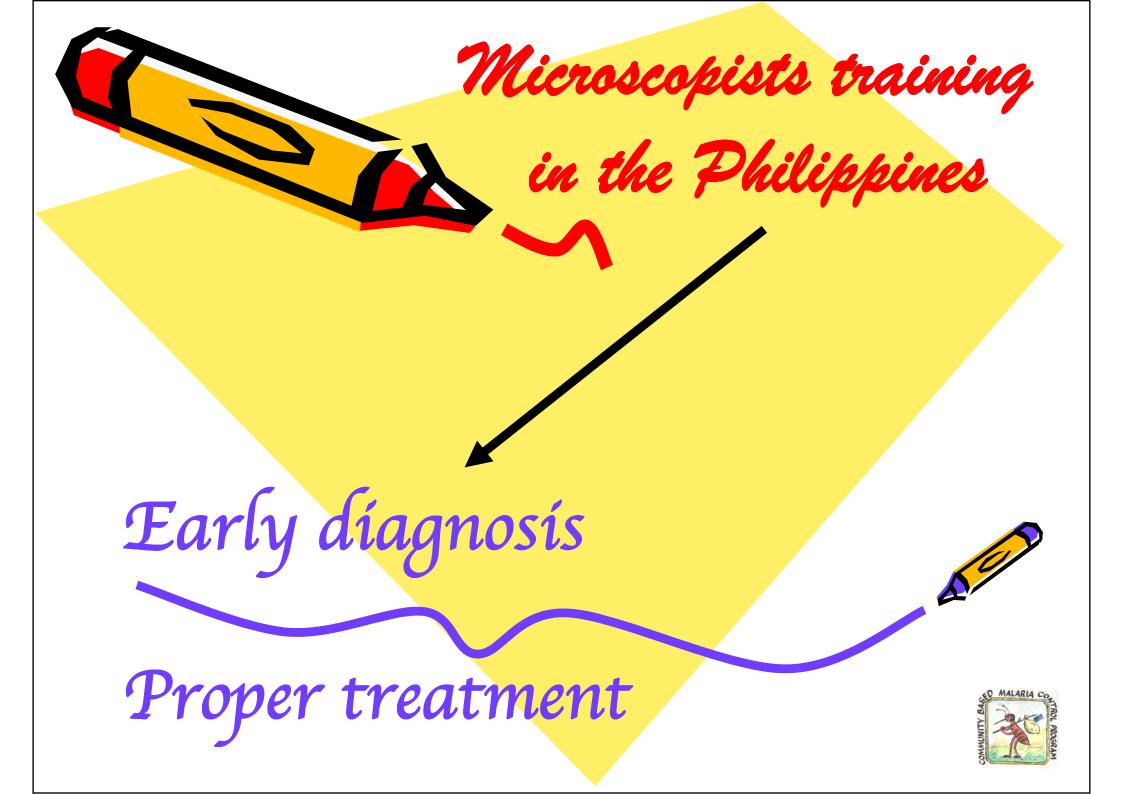


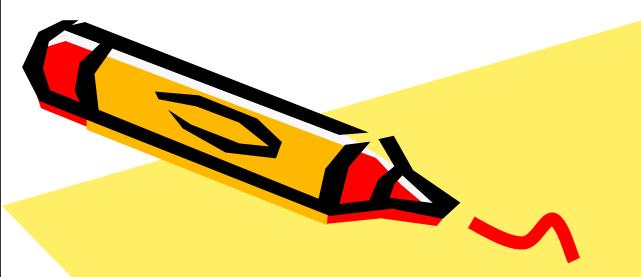
# **WELCOME GUESTANOPARTICIPANTS GUESTANOPARTICIPANTS MARIA MICROSCOPY**/*JainingCould* SAN VICENTE, PALAWAN FEB. 4 - MARCH 22, 2002











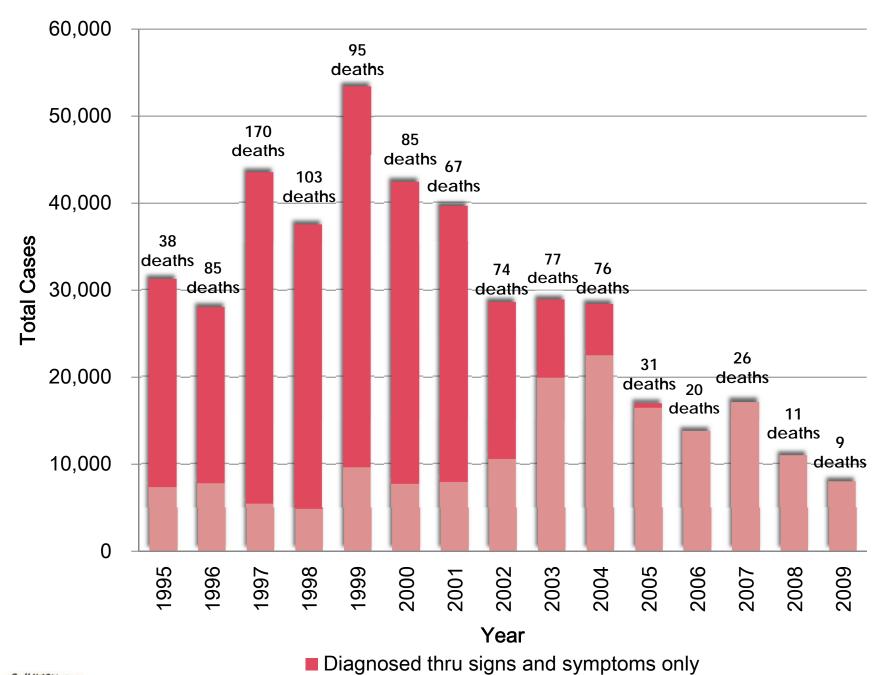
- 344 were trained and 274 (80%) remain active
- Regular monitoring of their performance by an established QA system showed 86-100% accuracy in reading slides









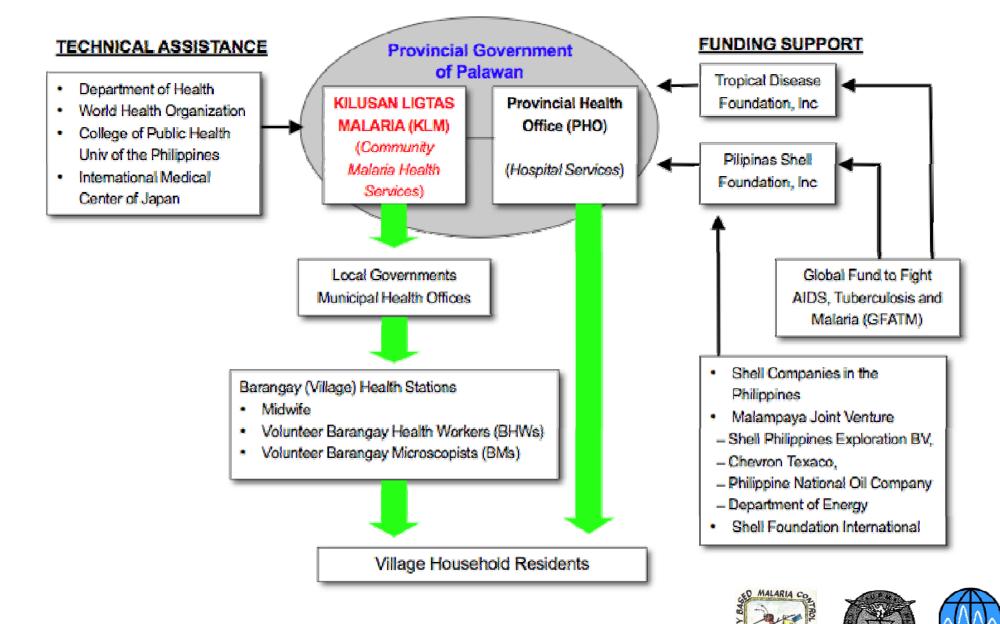


Confirmed thru Microscopy

D MALARIA CONTROL PROGRAM



## **SERVICE DELIVERY**



1992 Malaría Summít 1997 Hashimoto nitiative 1998 Roll Back Malaría 2000 Okinawa ID Initiative 2002 Global Fund to Fight ATM

# Hashímoto Inítia<mark>tí</mark>y

## Ex-Prime Minister Mr. Ryutaro Hashimoto

会場でテーブルにつく各国首脳(ロイター)

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1998年(平成10年) 5月18日(月曜日) 言**营** 一 富二 余斤

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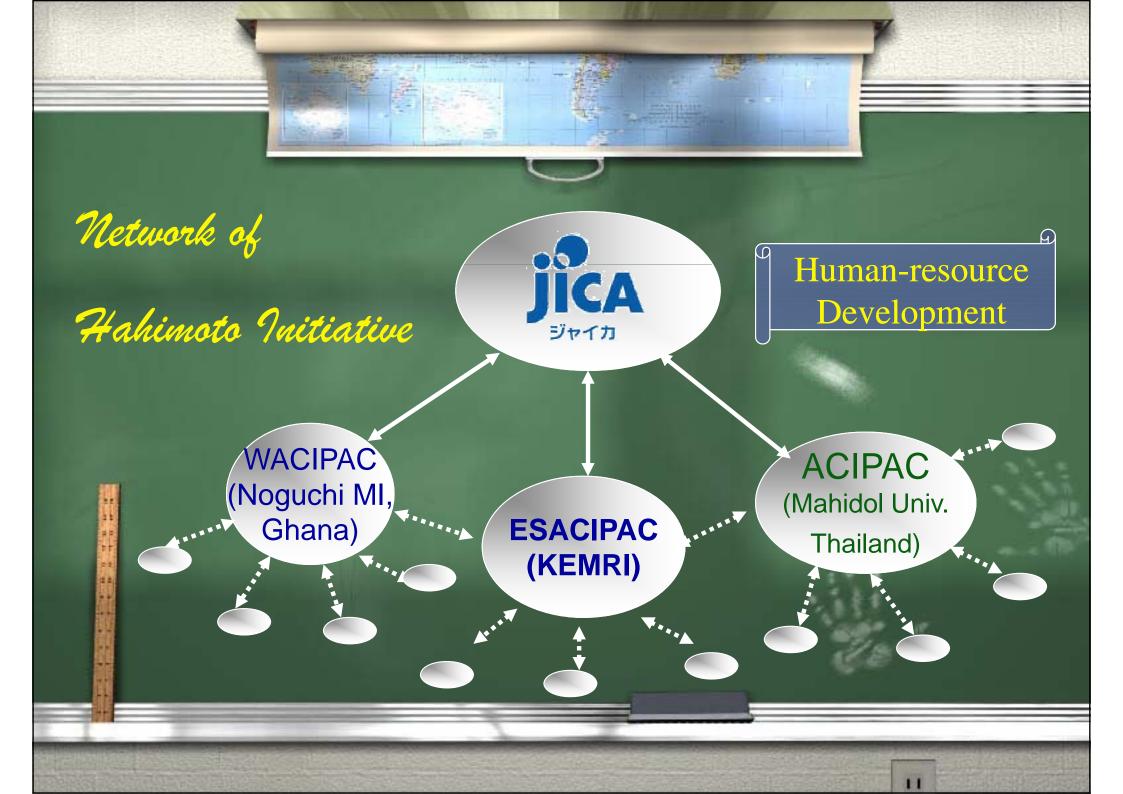








**Global Parasite Control Strategies** Effective international cooperation for the efficient implementation of parasite control Active pursuit of research that provides a scientific basis for parasite control Active implementation of effective parasite control projects Strengthening of the G8 countries' capabilities to deal with parasitic diseases



Malaría Control Through School-health based approaches

Children as Health Messengers to make children play a role in passing on strong messages on malaria control to their families and community

School

Community leaders

Social groups









## ประเทศไทยมีกี่ชนิด

Additional Textbook for Primary School Students. Malaria

> ดาเรีย เป็นสัตว์เซลล์เดียว เรียกว่า ายชนิด เชื้อมาลาเรียในเมืองไทย มี

> > พลาสโมเดียม ฟัลซิปารั้ม) ที่รักษาไม่ทันท่วงที อาจถึง

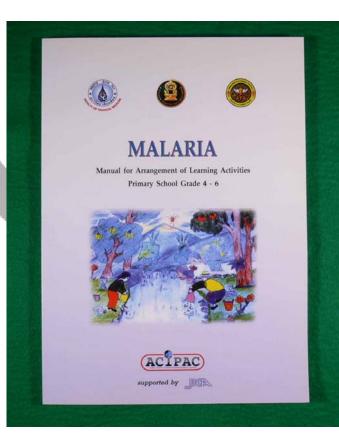
(ม ไวแวกซ์) ผู้ป่วยจะ เหลด เชื้อนี้จะสามารถ



ไข้มาลาเรีย จะเจริญอยู่ในด้วยุงประมาณ 10 วัน เมื่อยุงนั้นไปกัดคน ก็จะถ่ายเชื้อมาลาเรียผ่าน น้ำลายยุงเข้าสู่กระแสเลือดของคน

1 5







#### The malaria patient will die if treatment is too late.



## Learning content Hygiene education and physical education Learning Plan Malaria Learning unit 1 Look through Primary school level 4 5 6 1 Activity 1 Hour

#### 1. Learning outcome

Know and understand the cause, symptom, and treatment we that you have malaria

#### 2. Main points

When you have the suspected symptom of malaria, you have check blood. If you have malaria infected

#### 3. Specific objectives

- 1. Tell cause, symptoms of malaria
- 2. Act as malaria patient.
- 3. Explain how to take care malaria patient
- 4. Create questionnaire

## 4. Learning content

- 1. Cause of malaria
- 2. Symptom of malaria patient
- 3. How to take care malaria patient.

5. Learning process (Activity) Activity 1 Activity 2



















# Changes of behaviors

- The teachers taught about malaria more actively than before.
- The teachers who could design a lesson plan on malria increased from 30.7% to 47.7% (*p*=0.015)
- The teachers who had taught about malaria increased from 71.9% to 84.3%.
- The school children changed their behavior positively towards malaria prevention
  - Those who always took care of mosquito bites increased from 42.7% to 62.1% (p<0.001)</p>
  - Those who always reported their parents or teachers when they had fever increased from 36.0% to 56.0% (p<0.001)</p>

Okabayashi H, Thongthien P, Singhasivanon P, Waikagul J, Looareesuwan S, Jimba M, Kano S, Kojima S, Takeuchi T, Kobayashi J, Tateno S: Keys to success for a school-based malaria control program in primary schools in Thailand. Parasitol Int 55(2):121-126, 2006

## Japan's strategy for global health diplomacy: why it matters

Global health is standing at a crossroads. The past decade has been a glorious period for global health because aid to the health sector has surged, and newly formed public-private partnerships have increased the effectiveness of development assistance.1 Japan has played a significant part, for example by leading discussions at the G8 Kyushu-Okinawa Summit in 2000 and by helping in the establishment of the Global Fund to Fight AIDS, Tuberculosis and Malaria. However, countries now face changing disease structures, and noncommunicable diseases are a global threat.<sup>2</sup> If the world follows the existing disease-focused vertical pathway for development assistance in the coming years, the disparity between resource allocation and actual disease burdens will widen. The disease-specific approach is straightforward, but the importance of tackling health in general is clear.3

At the G8 Hokkaido Toyako Summit 7 2008 Japa proposed a comprehensive upp bach to health lincu:

niversal approach. A working group led by Keizo Takemi enr strin then ng, to complement a supported the work of the G8 Health Experts Group by recommending actions.5 Unfortunately, because of the financial crisis that began in 2008, there have been difficulties in sustaining the amount of aid for health.6

> We should now pursue universal health coverage (UHC) to solve existing global health challenges and to embark on the post-2015 development agenda. UHC would help us to reach three goals. The first of these goals is to improve the health of countries' entire populations,7 including the most vulnerable people, women in particular.<sup>8</sup> The existing Millennium Development Goals (MDGs) stop short of addressing widening domestic inequalities, and it is crucial to close the gap in access to health services between wealthy and poor people. The second goal is to ensure health service provision for all people, shifting from a diseaseoriented to a people-centred approach.9 UHC can meet the wide-ranging health needs of every person. These two goals are interrelated and together help to achieve human security through protection and empowerment of individuals. The third goal is to enable countries to look at their own challenges and implement health policies that fill diversified needs with a limited budget.<sup>10</sup> UHC can be a powerful way to reinforce

country ownership and setting of priorities in search of value for money.11

This new pathway for global health is still at an early stage and needs strong political leadership, which is why I launched the Strategy on Global Health Diplomacy in May, 2013.12 With this strategy, I first and foremost spare no efforts to incorporate UHC as a crucial element of the post-2015 development agenda. UHC is gaining a footing in the global health dialogue. The Foreign Policy and Global Health initiative led a resolution on UHC, which was adopted at the 67th UN General Assembly.13 I agreed with President François Hollande of France, who leads this initiative, to promote UHC.14

Second, I will reinforce Japan's assistance to developing countries to work with them to achieve UHC. Promotion of UHC does not mean a reduction of aid in the health sector or ignorance of the unfillished work the MI Gs. Vite reput to A fice, our work and D is opens the loor tow router of the 5th Tokyo International Conference on African Development (TICAD V) held in June, 2013, I called for the promotion of UHC15 and committed US\$500 million of financial assistance in health, including capacity building of a 120 000-strong health workforce.16 To turn our attention to Asia, Japan and the Association of Southeast Asian Nations (ASEAN) are celebrating the 40th year of ASEAN-Japan friendship and cooperation this year. As a microcosm of diversifying challenges of global health, ASEAN presents an opportunity for all the stakeholders in health to work together for the health



