



*Malaria Situation in  
Thailand*

**Dr Chaiporn Rojanawatsirivet**

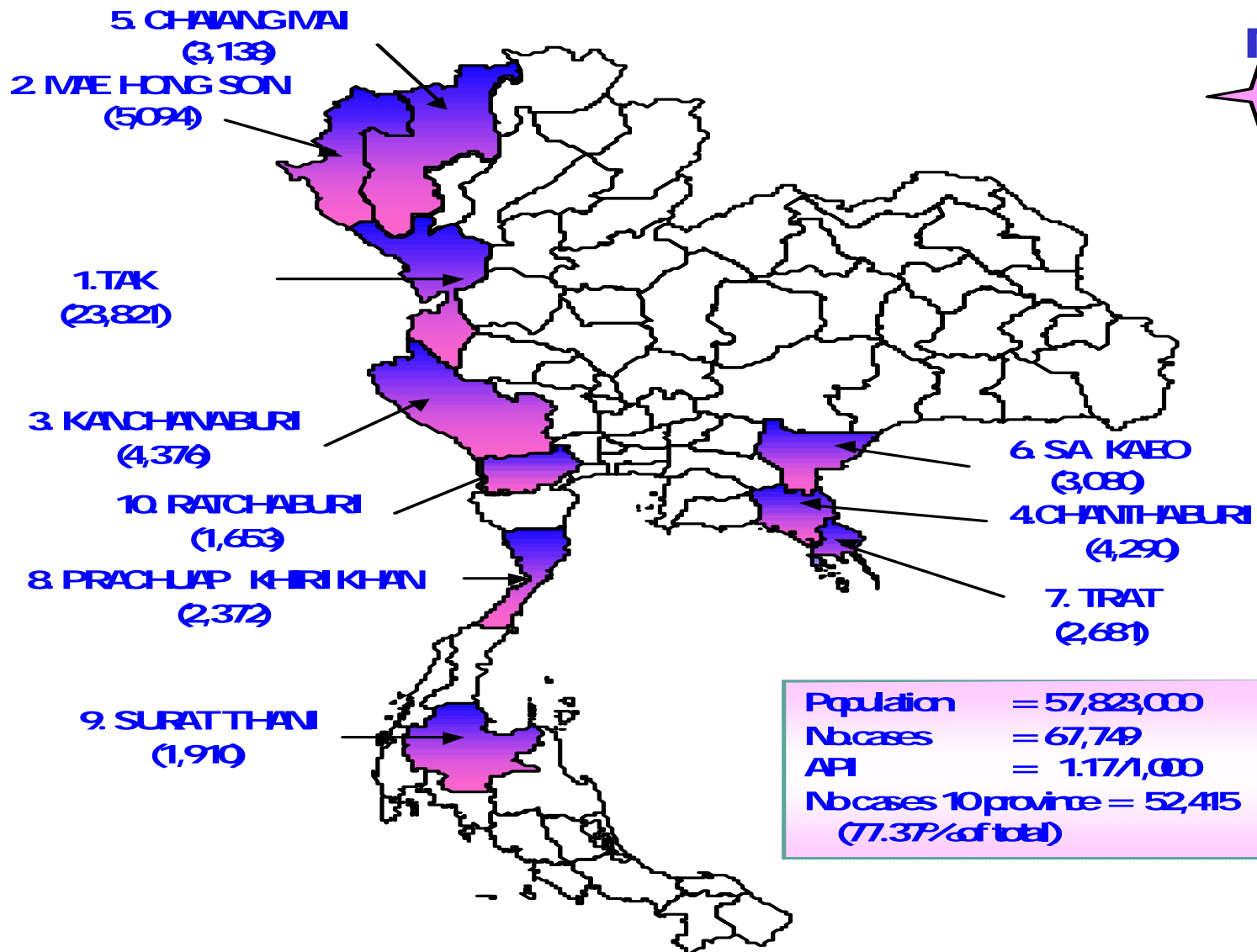
# ***Malaria : Background***

***1. Malaria burden remains to be a major health problem in Thailand.***

***2. At present malaria is a focal disease, prevalence mainly fluctuated in 30 provinces, 90% of malaria cases were reported annually from the international border areas.***

***3. More than One million of migrant workers (illegal & legal)***

## Ten leading provinces with high malaria cases reported Thailand, Fiscal Year 2001



- In 2002, total malaria cases were 81,931. Out of this number, 47,948 or 58.5% were Thai cases and 33,983 or 41.5 % were foreign national cases.
- About 68 % of the cases (56,149 cases) were reported from 10 provinces along Thai-Myanmar border areas.
- Multi-drug resistant *Plasmodium falciparum* is a major problem along the border areas.

## *The population at risk of malaria (2003)*

<i>Area</i>	<i>population</i>	<i>%</i>
Control - Transmission(A1,A2)	3,360,345	5.6
-non-Transmission(B1,B2)	35,132,493	58.7
Pre-integration	4,100,315	6.8
Integration	17,291,271	28.9
Total	59,884,424	100.0

# ***Malaria Transmission area***

***-6,126 villages***



# Current Policy of Integrated Vector control

Area	Strategy	Frequency
<b>A1 - A2</b>	<b>IRS, ITNs</b>	<b>1 -2 rounds / year</b>
	<b>Bio-control (Larvivorous)</b>	<b>3 - 4 times / year</b>
	<b>Source reduction</b>	<b>Through out the year</b>
<b>B1 - B2</b>	<b>IRS (Focal spray) ITNs</b>	<b>When outbreak</b>
	<b>Bio-control</b>	<b>3 - 4 times / year</b>

## Vector Control activities , IRS/ITNs

Method	2001	2002
<b>1. IRS</b>		
1. Pop. Protected under planned spray	705,128	
936,262		
1. Pop. Protected under epidemics	84,004	
<b>199,813</b>		
<b>3. HOUSE under planned spray</b>		
-first round	192,934	242,106
%	70.28	76.37
-second round	130,468	154,404
%	68.30	74.98

## Vector Control activities , IRS/ITNs(cont.)

<i>Method</i>	<i>2001</i>	<i>2002</i>
<b>2. ITNs</b>		
1. Pop. Protected under planned	929,355	1,223,678
1. Pop. Protected ITNs		
-first round	396,020	504,907
-second round	253,860	378,588
-SPECIAL ITNs	56,665	83,047
2. Malaria Division	54,666	93,000
3. <b>Bio-control (Lavivorous)</b>	4,192,244	4,349,559
4. <b>Source reduction</b>	37,124	20,489

# *New structure*

## **Vertical/Integrate program**

Bureau of Vector Borne Disease.....central

Disease Prevention and Control Office(12).....regional

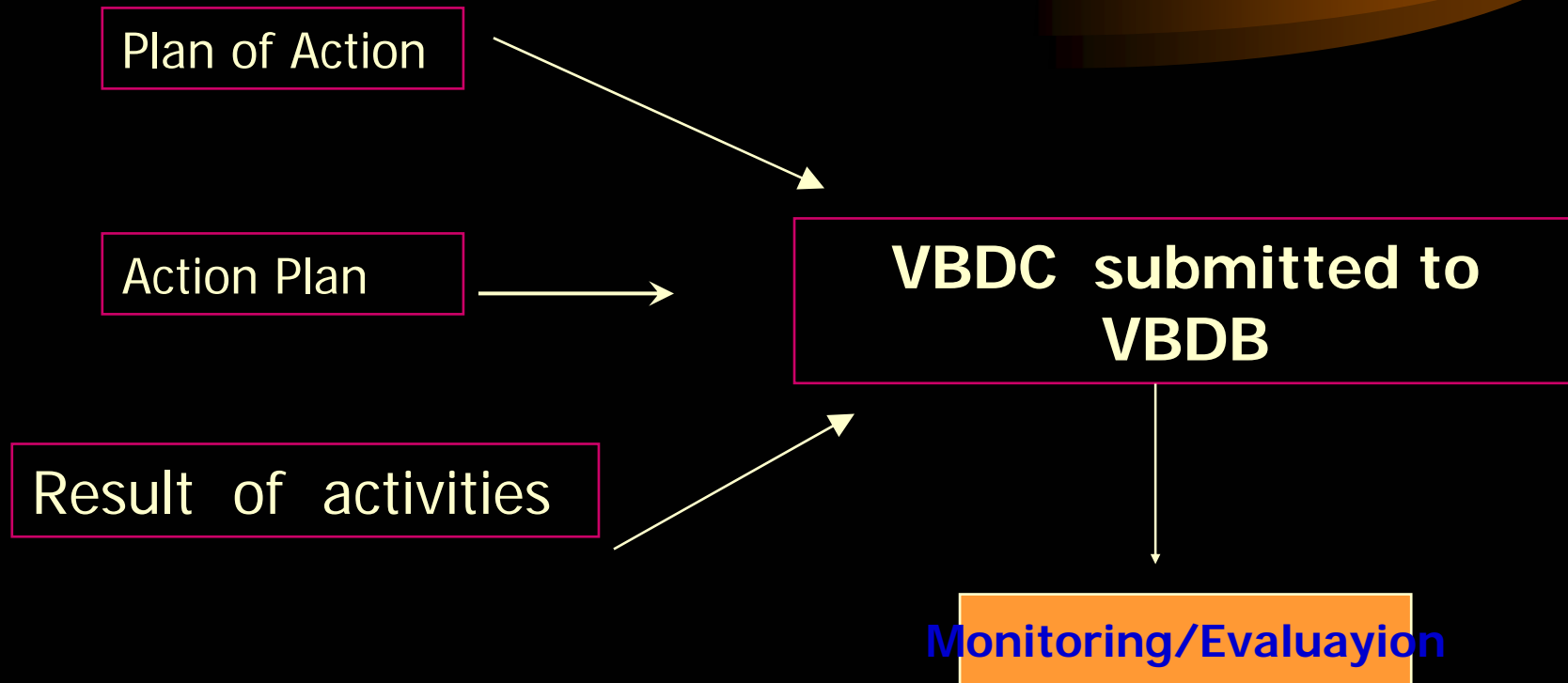
Vector Borne Disease control Centre(39).....provincial-----PHO

Vector Borne Disease Unit(302).....district-----PCU

Malaria clinic(650).....tumbol-----C AO

Malaria Post(350)/Malaria Voluntia (38,000)...village-----HV

# *Current Practices*



Micro stratification of areas is **hamlet**