



*Malaria Situation in
Thailand*

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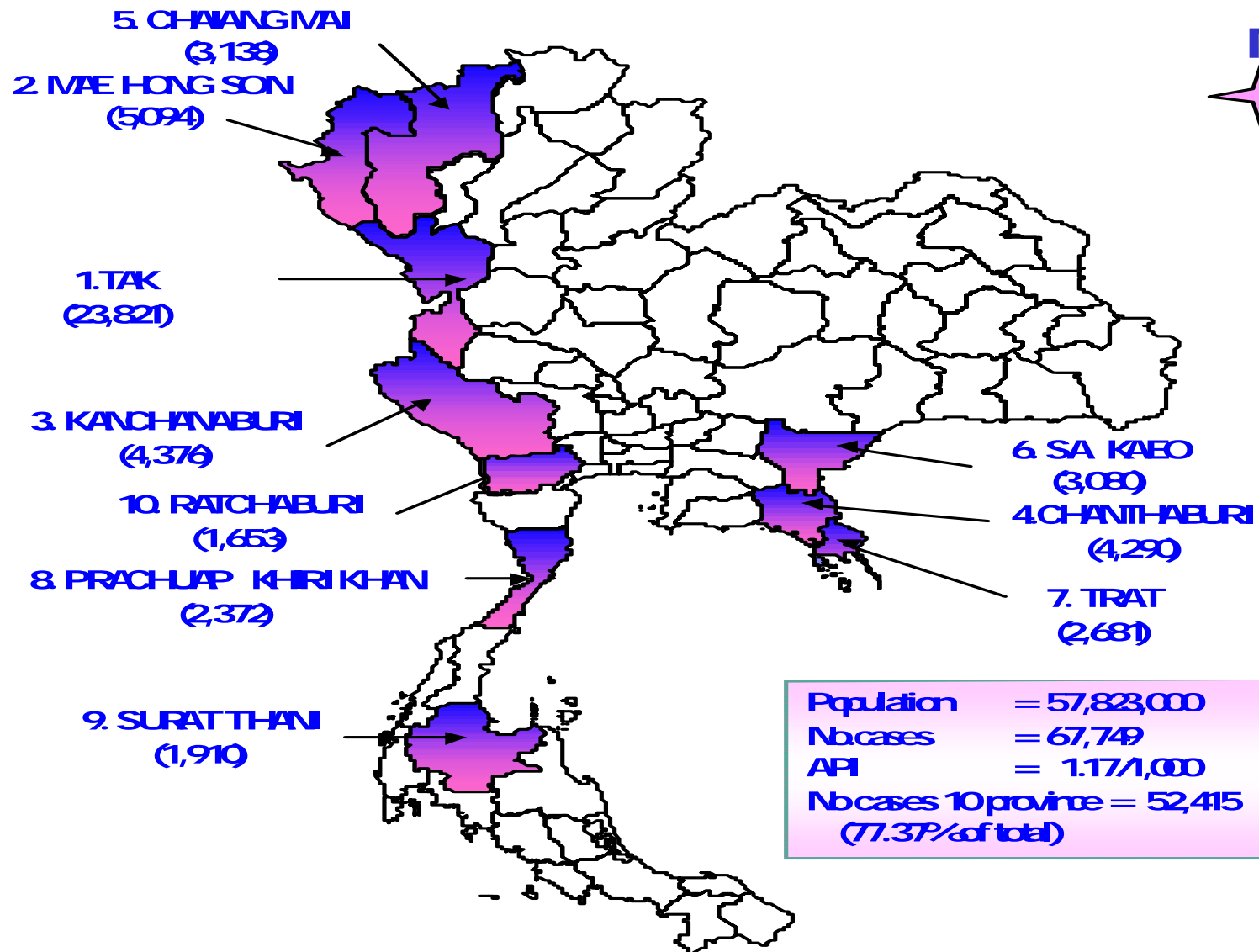
Malaria : Background

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

Vector Control activities , IRS/ITNs

Method	2001	2002
1. IRS		
1. Pop. Protected under planned spray	705,128	
936,262		
1. Pop. Protected under epidemics	84,004	
199,813		
3. HOUSE under planned spray		
-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>
2. ITNs		
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. Bio-control (Lavivorous)	4,192,244	4,349,559
4. Source reduction	37,124	20,489

New structure

Vertical/Integrate program

Bureau of Vector Borne Disease.....central

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

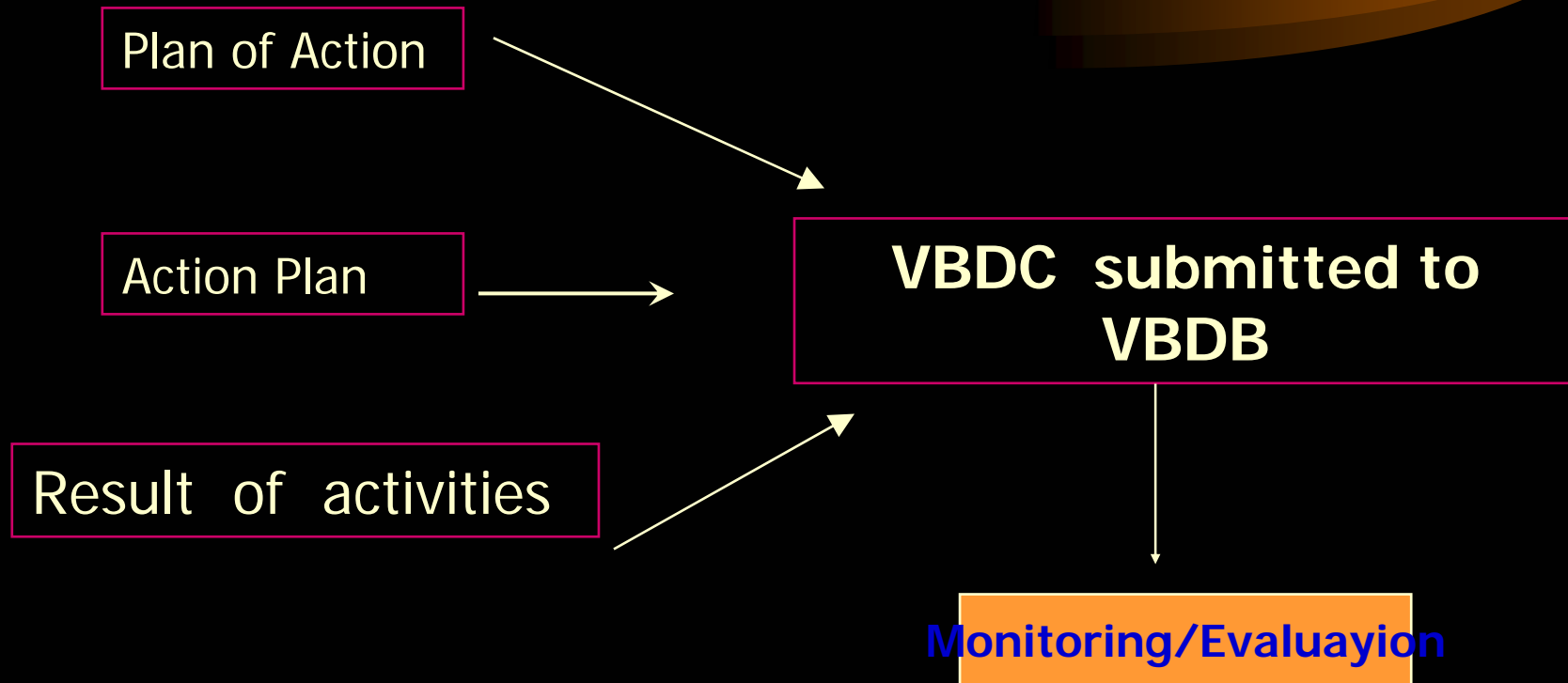
Vector Borne Disease control Centre(39).....provincial-----PHO

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**