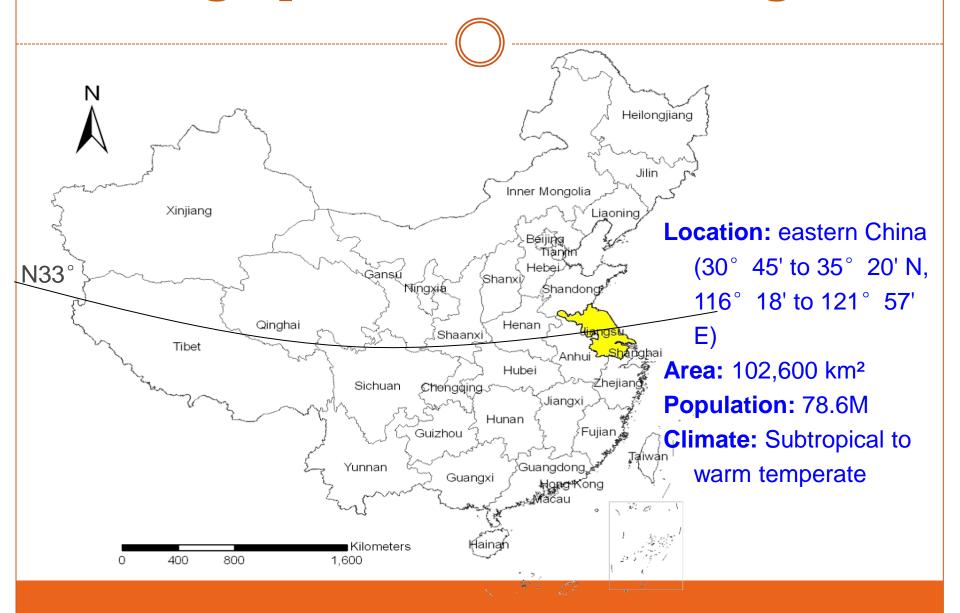


Malaria elimination in Jiangsu China Prof. Gao Qi

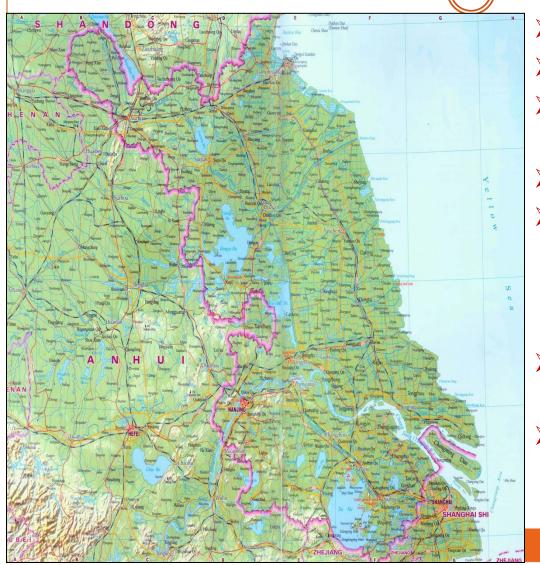
Jiangsu Institute of Parasitic Diseases, P.R. China APMEN VI

Annual Business and Technical meeting Manila, The Philippines
March 11 - 13, 2014

Geographical features of Jiangsu

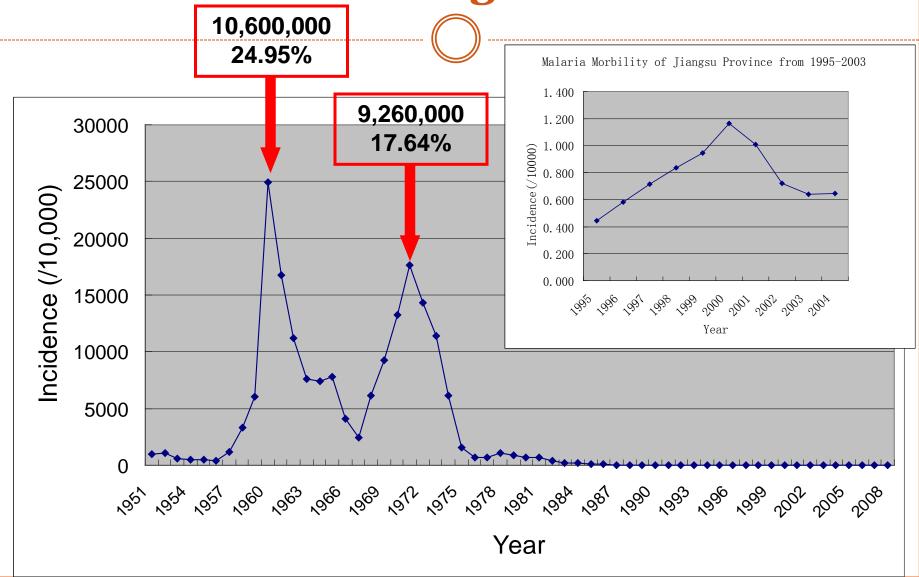


Epidemiological characteristics of Jiangsu



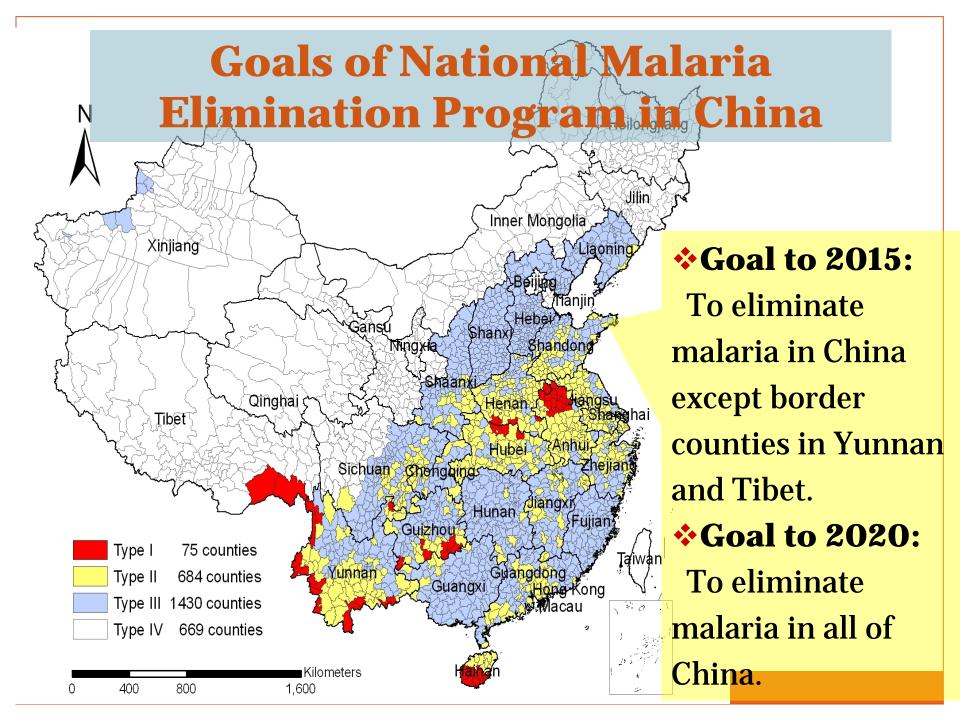
- ➤ Rivers: Yangzi & Huaihe(500)
- Lakes: Tai & Hongzhe (290)
- ➤ Annual Temperature: 13° C-16° C
- ➤ Annual Rainfall: 1,002mm
- ➤ arasites:P.v. P.f. & P.m (before 1990);Only P.v (before 2010)Only imported cases(since 2012)
- Vectors:
 An.sinensis & An. Anthroghogus
- ➤ Transmission:Jun to Sep (before 1990);May to Oct (now)

Malaria in Jiangsu 1951-2008

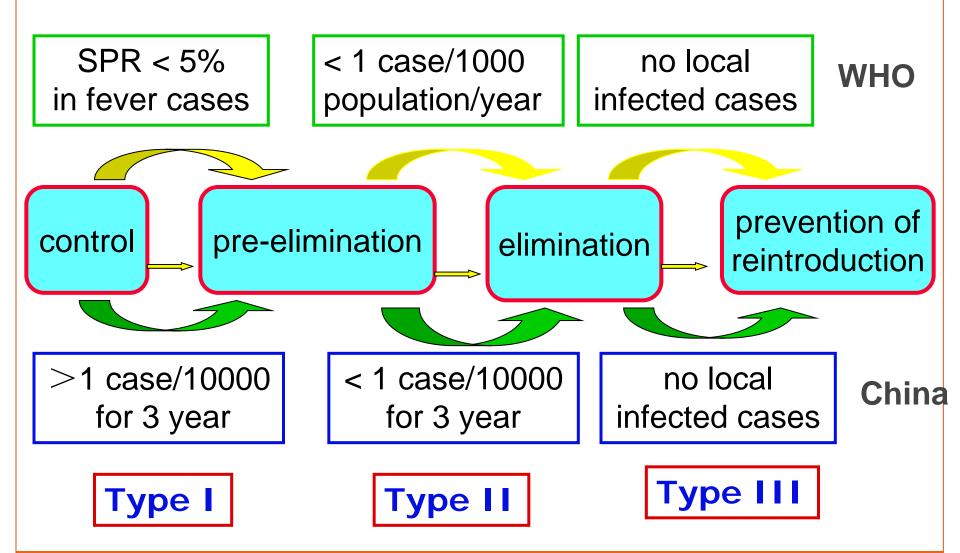


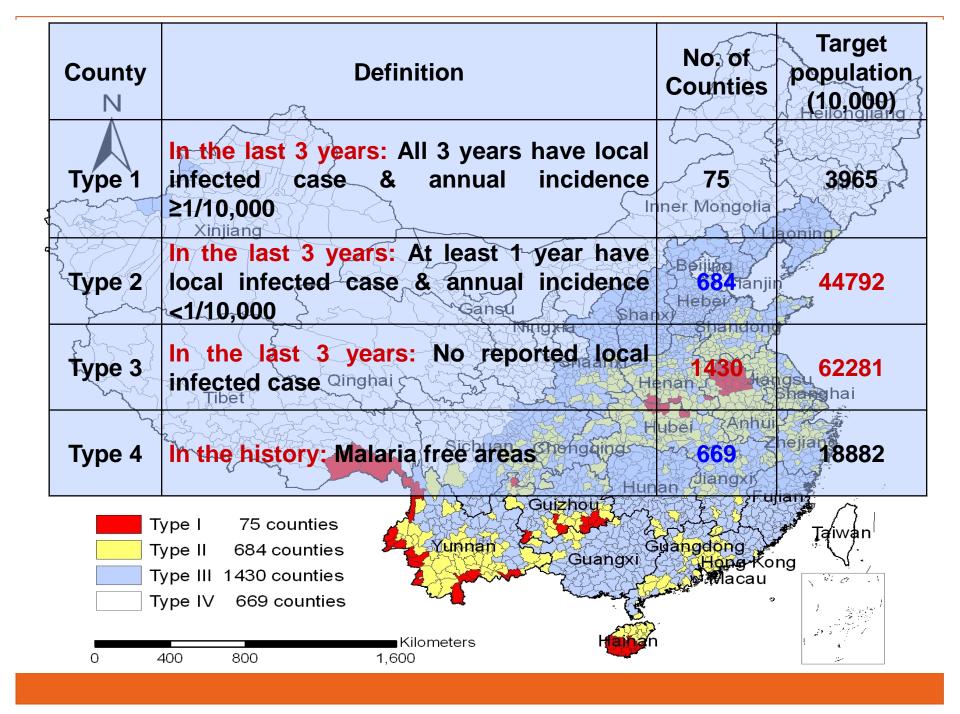
Falciparum Malaria in Jiangsu (1982-2008)





Phases on the path to elimination

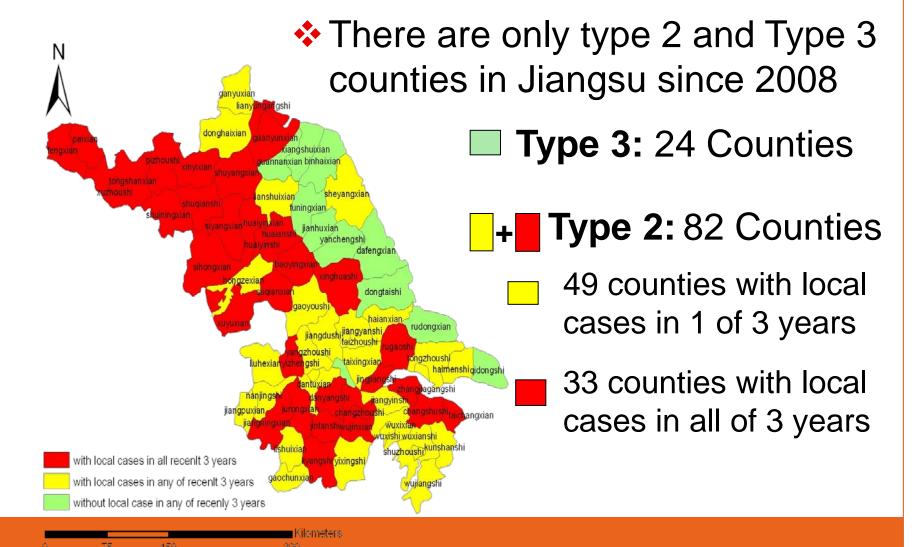




National Elimination Strategies

- Type 1: (Pre-elimination)
 Intensified control strategies to reduce the incidence
- Type 2: (Elimination)
 Elimination strategies
- Type 3 (Prevention re-introduction)
 Strengthen surveillance facility & ability
- Type 4
 Improve malaria diagnosis & treatment capacity

Goals of Malaria Elimination Program in Jiangsu



Malaria Elimination Strategy in Jiangsu

- Type 3: (Same as National Strategy)
 Strengthen surveillance facility & ability
- Type 2: (Different with National Strategy)
 - Similar as National Elimination Strategy
- Elimination Strategy + MDA for Target population in foci village before transmission

Differences between control & elimination stages

Stage

Control



Elimination

Goal

Reduce morbidity & mortality



No local infected case

Target

High endemic areas/population



case & Hot spots

Intervention

Population based MDA, ITN & IRS



Case based Diag/ treat &Foci based Inves/ IRS

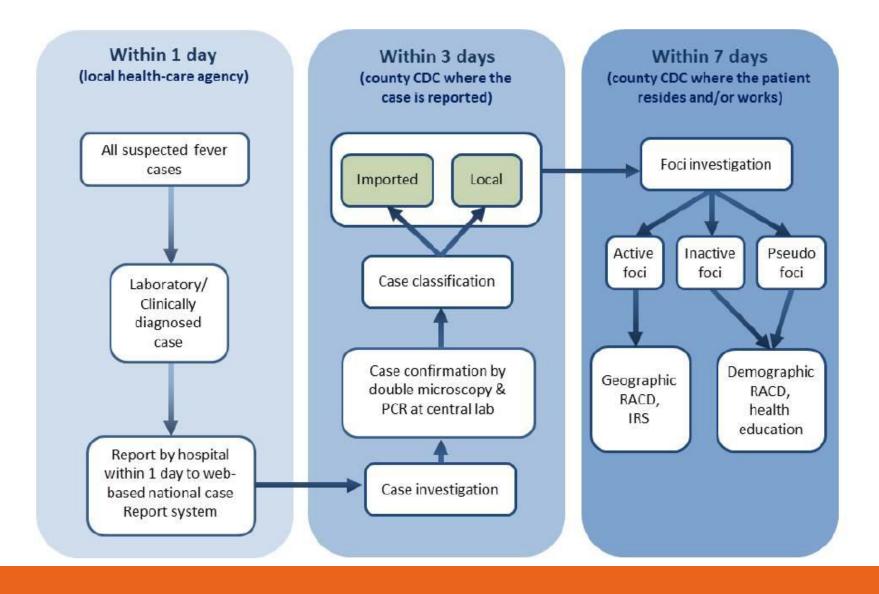
Indicator

Coverage

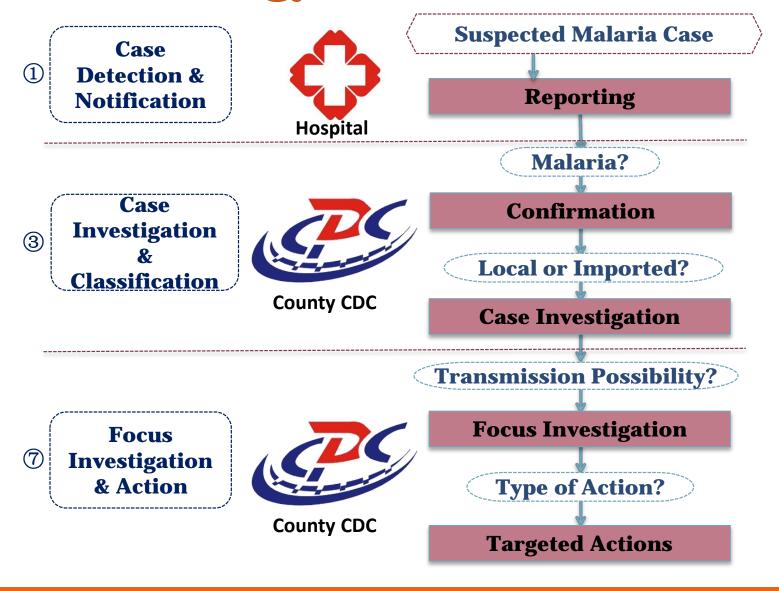


Timeline

"1-3-7" elimination strategy in Jiangsu



"1-3-7" Strategy for malaria elimination



Working Procedure & timeframe

① Case
① Detection &
Notification



Hospital

- Diagnosis
- Report
- Treatment

1 Day (24 hrs)

Investigation &
Classification

Case



County CDC

- Lab Confirmed
- Case Classification

3 Days

Focus
Investigation
& Action

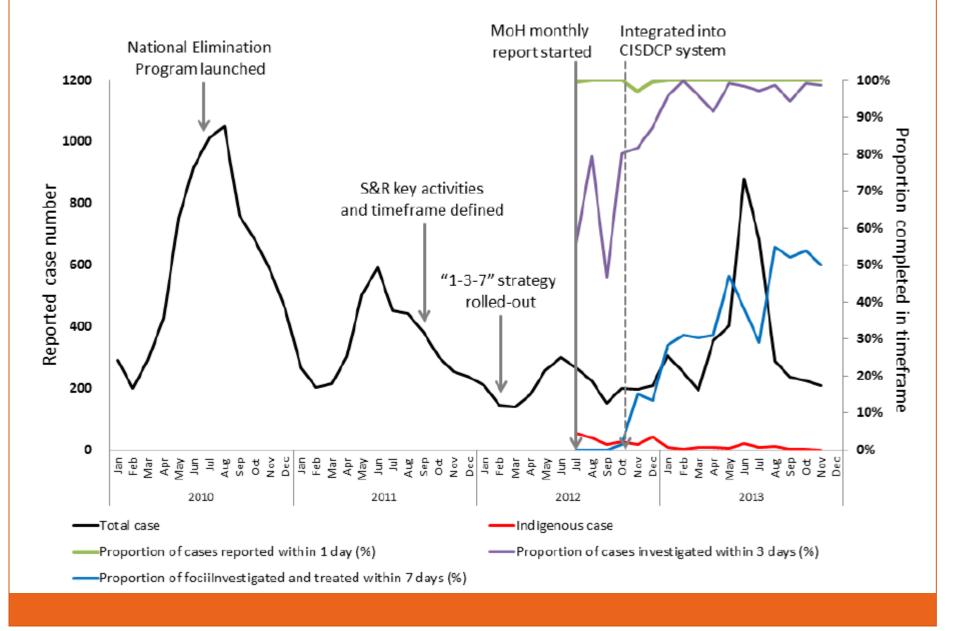


County CDC

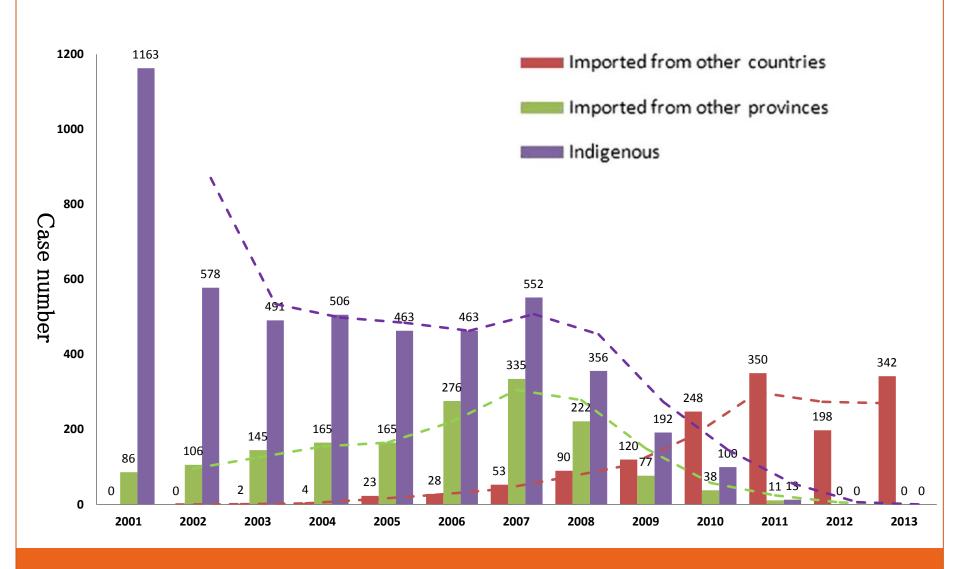
- Focus assessment
 - ✓ Epidemiological
 - ✓ Entomological
- Targeted Action
 - ✓ RACD
 - ✓ Vector Control
 - ✓ Health Education

7 Days

Implementation progress of "1-3-7" strategy in China



Progress of elimination in Jiangsu



1. Government commitment

National Malaria elimination program supported by Central Government as well as local governments

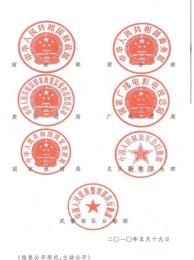


关于印发《中国消除疟疾行动计划 (2010-2020年)》的通知

各省、自治区、直辖市及新疆生产建设兵团卫生厅(局)、发展改革 委、教育厅(教委,局)、科技厅(委)、工业和信息化主管部门、公安 厅(局)、财政厅(局)、前务厅、检验检疫局、广播电影电视局、热制 局(委),各军区联勤%、各军兵种后勤邻卫生都、总参三部后勤都 总参管理保障部、总政直工部、总装后勤部卫生局,军事科学院、国 防大学、国防科技大学院(校)务部卫生部(处),总后直属单位卫生部(人),总后直属单位卫生部(人),数

为切实保障广大人民群众身体健康,促进经济与社会协调发展,构应联合国千年发展目标高级别会议提出的在全球根除疟药的倡议,我国政府决定在 2010 年全面开展消除疟疾工作到 202 年全国实现消除疟疾的目标。为明确任务与措施,落实部门职责特制定《中国消除疟疾行动计划》印发给农门,请结合各地,各部门的工作官院,担保家保护的计划》及证该市社划》目标。





苏政办发 [2010] 112号

江苏省人民政府办公厅文件

省政府办公厅关于转发省卫生厅等部门 和单位江苏省消除疟疾行动计划 (2010-2020年)的通知

(信息公开形式:主动公

- 2

— 3 —

1. Government commitment

- Monitoring & evaluation of elimination program by MOH
- **❖** National game for microscopic examination by MOH

卫生部办公厅文件

卫办疾控发[2013]5号

卫生部办公厅关于印发 《消除疟疾考核评估方案(2013 年版)》的通知

河北省、山西省、辽宁省、上海市、江苏省、浙江省、安徽省、福建省、 江西省、山东省、河南省、湖北省、湖南省、广东省、广西壮族自治 区、海南省、重庆市、四川省、贵州省、云南省、西藏自治区、陕西省、 甘肃省、新疆维吾尔自治区卫生厅局。

为规范全国消除疟疾考核评估工作,我部组织制定了《消除疟 疾考核评估方案(2013年版)》,现印发给你们。各地要根据本方 案,结合本地实际情况,制订具体实施细则。







2. Multi-section Cooperation & Communication

- Cooperation between Public Health and hospitals
- For case finding and cure
- > For technical training
- Cooperation with local communities
- > For foci investigation and action



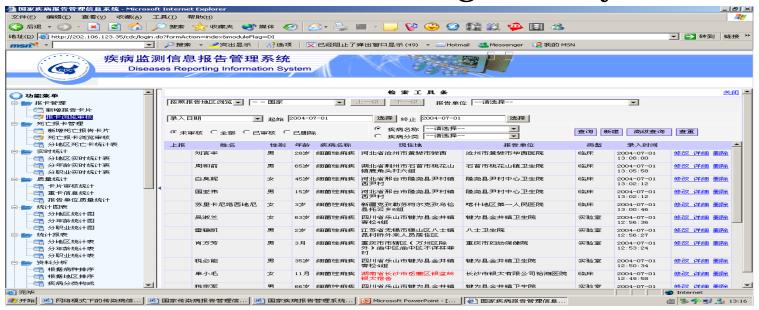




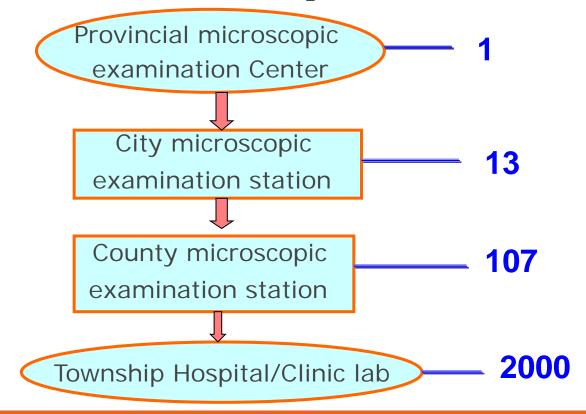


3. Strengthening health facilities and abilities

- The web-based case reporting system for important infectious diseases
- The web-based malaria management system

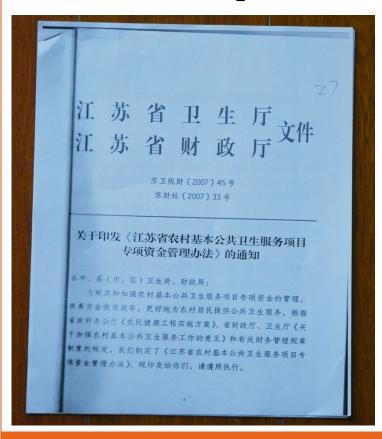


- 3. Strengthening health facilities and abilities
- Establish network of microscopic examination



3. Strengthening health facilities and abilities

Rural area public health service program



- New country medical cooperative project ≥¥120 /person/year
- Country basic public health serve project ≥¥30 /person/year

4. Financial support

Unit: RMB¥10,000

Year	Malaria elimination funds in Jiangsu		
	Provincial	Central	G F
2009	340	157	198
2010	340	253	1390
2011	490	295	1469
2012	490	878	0
2013	490	798	0





Challenges

1. Political:

Sustaining political support form Central & local government for malaria elimination

2. Financial:

Sustaining financing support form Central & local government for malaria elimination

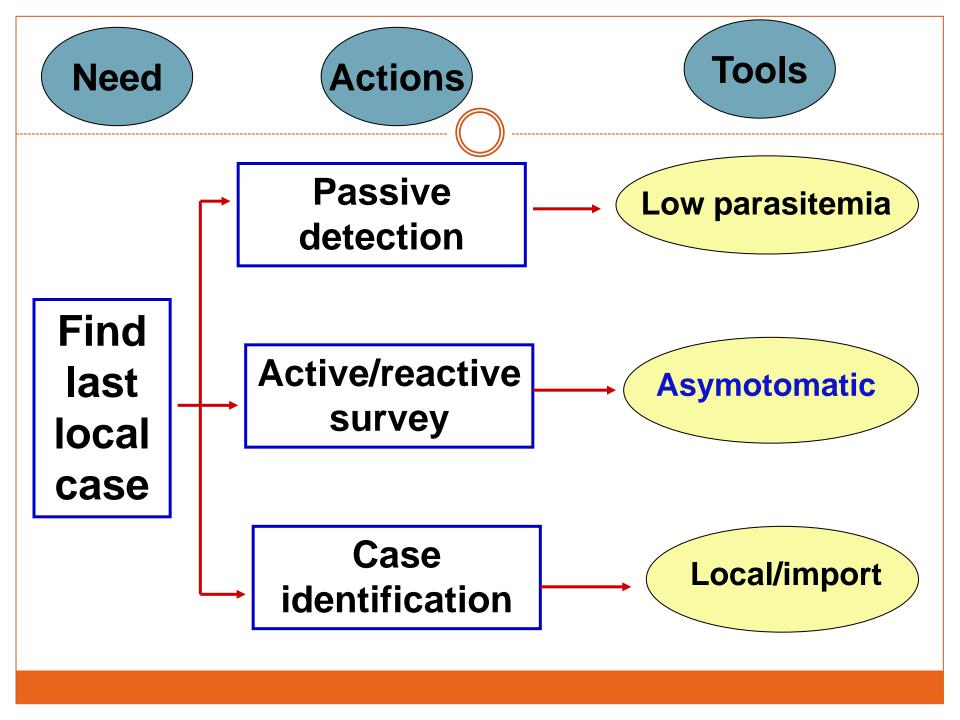
3. Public health & hospital:

Maintain facility & ability for diagnosis & treatment

Challenges

4. Technical:

- Diagnosis for low parasitemia infection
- Classification of the source of infection
- **❖** Vivax radical treatment
- **❖**Insecticide/drug resistance
- **❖**Surveillance & response for post elimination



Thanks











