Control Out Door Malaria Practice
Eliminate Muti Drug Rsistance in
Yunnan Province

Yunnan Institute of Parasitic Diseases

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Malaria Situation

- Border with Laos PDR、Myanmar 、Vietnam
- Long Border line: 4,026km
- High risk people: mobile people
- Most of the reporting cases are import cases
- Case reporting decreasing year by year since 2008

2014/2/14
Malaria Situation

• Supported by the China Global Fund Malaria Program Round 1\(^{\text{th}}\), 5\(^{\text{th}}\), 6\(^{\text{th}}\), 10\(^{\text{th}}\) and China Global Fund Malaria Program National Strategy Application Program.

• No locally contracted case in China except some border areas in Yunnan Province till 2015.

• Action plan to eliminate malaria

• Aim: to achieve the goal of malaria elimination by 2020
Malaria control

• Training and supervisor
• Malaria case monitoring, diagnosis, confirm, and treatment.
• Epidemic disposal
• Vector control: ITN, IRS
• Health education etc.
proportion of malaria

- PV: 80.82%
- PF: 18.87%
- Other: 0.3%
temporal distribution (monthly)

<table>
<thead>
<tr>
<th></th>
<th>1月</th>
<th>2月</th>
<th>3月</th>
<th>4月</th>
<th>5月</th>
<th>6月</th>
<th>7月</th>
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<th>9月</th>
<th>10月</th>
<th>11月</th>
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<td>09-11平均</td>
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2014/2/14
No. cases

<table>
<thead>
<tr>
<th>1月</th>
<th>2月</th>
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<th>9月</th>
<th>10月</th>
<th>11月</th>
<th>12月</th>
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<tbody>
<tr>
<td>本地病例</td>
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<td>7</td>
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<td>8</td>
<td>7</td>
<td>11</td>
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<tr>
<td>输入病例</td>
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</tbody>
</table>

本地病例
输入病例
Regional Distribution
P.f. Regional Distribution
Outdoor Malaria Control

- High risk group
- mobile people
- Farmer (planting rubber, banana)
- Aim:
  - Enhance malaria case monitoring
  - Early diagnosis
  - Early confirm
  - Treatment
Activities

- Supported by the China Global Fund Malaria Program Round 6th and 10th
- Border areas (8 counties)
- Establish Malaria Advisory Service Station Providing anti-malaria drug
- Providing personal protection (LIN, Repellent)
- Health education
Eliminate Muti Drug Resistance

• Continued surveillance of the anti-malaria drug (from 80s--now)
• Followed the national policy of the anti-malaria drug use (drug combination, follow-up the malaria cases etc. ACT)
• Carry some researches on the anti-malarial drug’s (P.f. To chloroquine)
Corporation and communication

- WHO
- Chinese Academy of Military Medical Sciences
- National Institute of Parasitic Diseases, Chinese Center for Diseases Control and Prevention
- Carry out monitoring of anti-malarial drug’s treatment efficacy and Resistance (border areas)
THANK YOU
谢谢