CAMBODIA | JANUARY – SEPTEMBER 2020*
MALARIA SURVEILLANCE BULLETIN

Suspected Cases Tested with RDT by Channel

Confirmed Positive Cases by Channel

Reporting

Number of worksites and communities reporting

Average reporting rate among worksites and communities

Quality of Case Management

Suspected cases tested with RDT

Positive cases received ACT

Positive cases detected by outlets

Legend

No. of positive cases

Positive cases by plasmodium species

Percentage of confirmed cases receiving first-line ACTs

Referrals of confirmed positive cases due to ACT stock-out

*The period of performance in Cambodia was January – September 2020.
* Network size in Cambodia decreased in 2020. Starting with 275 MMWs in January, GEMS+ discontinued support to 236 MMWs and transitioned 39 MMWs to National Malaria Program (NMP) oversight by year-end.
PRIVATE SECTOR COVERAGE

- Under GEMS+, worksite and community engagement programs received funding from the Bill & Melinda Gates Foundation.
- Until 2018, formal, registered private clinics and health cabinets were authorized to test and treat malaria; private sector coverage stands at 0% as of 2019.
- Mobile malaria workers (MMWs) based in private worksites and surrounding communities are still authorized to test and treat, aligning to the National Center for Parasitology, Entomology and Malaria Control’s (CNM) volunteer malaria worker (VMW) model.
- New community based MMWs in new annex villages in or around forests were engaged using participatory methodologies, as well as in support of CNM’s Intensification Plan (IP).

CASE SURVEILLANCE

<table>
<thead>
<tr>
<th></th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
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<tbody>
<tr>
<td>No. private outlets supported</td>
<td>788</td>
<td>856</td>
<td>915</td>
<td>133</td>
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<tr>
<td>No. suspected cases tested</td>
<td>118,521</td>
<td>171,719</td>
<td>60,063</td>
<td>19,752</td>
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<tr>
<td>No. confirmed positive cases</td>
<td>15,263</td>
<td>29,944</td>
<td>6,575</td>
<td>421</td>
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Positive cases by Plasmodium species (2018 | 2019)
- Pf (42% | 14%)
- Pv (56% | 84%)
- Mixed (2% | 12%)

Confirmed cases reported by the GEMS+ network, by month

60% Worksites reported at least 1 confirmed case (2019)
**SUPPLY CHAIN & CASE MANAGEMENT**

- RDTs and ACTs are secured through the national supply chain (Global Fund); PSI facilitates last-mile distribution. PSI stopped social marketing of ACTs in May 2018. PPMs were no longer stocked in 2019.
- Vivax radical cure treatment is only available at health centers, district hospitals and higher, with G6PD test at 4 pilot provinces – Battambang, Pailin, Kampong Chhnang, and Kampong Speu.
- In 2019, PSI worked with CNM to have VMWs collect commodities directly from health centers but in some cases, the distances were too great for this to be feasible.

**PRIVATE SECTOR REPORTING AND INTEGRATION WITH NATIONAL SURVEILLANCE**

- Historically, PSI has facilitated PPM reporting to the Operational District (OD), where OD staff are responsible for entering case-based data into the CNM MIS – often resulting in under-reporting of case data.
- MMWs are being integrated into the same data flow as VMWs, reporting to Health Centers using CNM’s standard MMW form. PSI facilitates reporting because it is not feasible for many MMWs to physically go to health centers to submit reports.
- Mobile case reporting to PSI is ongoing, in parallel to the submission of the paper-based CNM form. 169 worksites and community based MMWs were equipped with mobile phones and an app to report electronically.

**ELIMINATION PROTOCOLS**

- Case notification and investigation protocols are not yet rolled out in geographies where PSI is operating the GEMS project.
- CNM has requested PSI’s support to implement case notification and case investigation in clusters where PSI consortium supports implementation of the CNM malaria surveillance for elimination package through Global Fund.

**EVIDENCE, ADVOCACY & OTHER INITIATIVES**

- In 2019, PSI implemented CNM’s Intensification Plan (IP) in 12 communities, each hosting one MMW.
- Community-led Initiatives for Malaria Elimination (CLIME) interventions designed with communities during Empathy, Insights, Prototype (EIP) process have resulted in 1,412 suspected cases tested and 70 positive cases detected.
- PSI will transition its malaria support program to the government through the first three quarters of 2020.

**COMPLEMENTARY MALARIA PROGRAM FUNDING**

- Global Fund RAI²E (2018-2020): Provides technical assistance at the subnational level to deliver on the core package of services, including case management, vector control, IEC/BCC, & surveillance.
- USAID IMPACT Malaria (2019 - TBD): Funding anticipated to conduct operational research to assess new inexpensive and operationally simple G6PD screening tests under field conditions.