### GEMS+ Network Performance

<table>
<thead>
<tr>
<th></th>
<th>Lao PDR</th>
<th>Myanmar</th>
<th>Vietnam</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suspected cases tested</td>
<td>59,470</td>
<td>87,814</td>
<td>12,802</td>
</tr>
<tr>
<td>Confirmed positive cases</td>
<td>200</td>
<td>1,154</td>
<td>43</td>
</tr>
<tr>
<td>Positivity rate</td>
<td>0.34%</td>
<td>1.31%</td>
<td>0.34%</td>
</tr>
<tr>
<td>Private sector service outlets &amp; malaria volunteers*</td>
<td>330</td>
<td>899</td>
<td>592</td>
</tr>
</tbody>
</table>

### GEMS+ Contribution to National Testing & Caseload Data

<table>
<thead>
<tr>
<th></th>
<th>Lao PDR</th>
<th>Myanmar*</th>
<th>Vietnam</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cases tested (national)(^1)</td>
<td>643,887</td>
<td>1,654,543</td>
<td>1,034,562</td>
</tr>
<tr>
<td>Proportion of total national tests reported by PSI private sector outlets &amp; malaria volunteers</td>
<td>9.2%</td>
<td>5.3%</td>
<td>1.2%</td>
</tr>
<tr>
<td>Confirmed positive cases (national)</td>
<td>3,924</td>
<td>65,096</td>
<td>467</td>
</tr>
<tr>
<td>Proportion of total national caseload reported by PSI private sector outlets &amp; malaria volunteers</td>
<td>5.1%</td>
<td>1.8%</td>
<td>9.2%</td>
</tr>
</tbody>
</table>

\(^1\) National data for Myanmar is preliminary for January – November 2021 from the National Malaria Control Programme, and the proportion of GEMS+ contribution is likely to decrease once the verified December data is available.
MALARIA SURVEILLANCE BULLETIN

LAO PDR | JANUARY – DECEMBER 2021

Suspected Cases Tested & Confirmed Positive Cases

- **59,470** Suspected cases tested
- **200** Confirmed positive cases
- **0.34%** Average positivity rate
- **103** Formal private outlets enrolled in GEMS+
- **227** Outlets transitioned to NMP

### Characteristics & Distribution of Confirmed Positive Cases

- **200** Confirmed positive cases
- **Average reporting rate 100%**
- **95%** Cases treated or referred according to guidelines

#### Positive cases detected by outlets

- **Legend**
  - No. of positive cases
  - Very Low 0 - 1 (9)
  - Low 1 - 6 (38)
  - Moderate 7 - 11 (2)
  - High 12 - 499 (9)
  - 0 - 10 (21)
  - 10 - 24 (1)
  - 25 - 50 (0)
  - 50 - 100 (0)
  - 100+ (0)

#### Positive cases by Plasmodium species

- P.f. (30.5%)
- P.v. (69.5%)
- Mixed (0%)

### Quality of Case Management

- **100%** Suspected cases tested with RDT
- **95%** Cases treated or referred according to guidelines

#### Number of outlets reporting

- **100%** Average reporting rate

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[Map of suspected cases tested & confirmed positive cases]
Suspected Cases Tested by Channel

- SUN
- ICMV
- Private Outlets
- CI

Confirmed Positive Cases by Channel

- SUN
- ICMV
- Private Outlets
- CI

Reporting Rates by Channel

- SUN 39%
- Private Outlets 90%
- ICMV 93%

Characteristics of Confirmed Positive Cases

- Positive cases by Plasmodium species
  - P.f. (12%)
  - P.v. (87%)
  - Mixed (1%)

Quality of Case Management

- Percentage of confirmed positive cases treated according to guidelines
  - SUN 100%
  - ICMV 100%
  - Private Outlets 100%

* Under Case Investigation, PO and PSI field staff conducted RDT testing during CI activities in some townships under GEMS+
**Malaria Surveillance Bulletin**

**Vietnam | January – December 2021**

**Suspected Cases Tested & Confirmed Positive Cases**

- **12,802** suspected cases tested
- **43** confirmed positive cases
- **0.34%** average positivity rate
- **237** private outlets enrolled in GEMS+
- **270** outlets transitioned to NMP

**Characteristics & Distribution of Confirmed Positive Cases**

- **Positive cases by Plasmodium species**
  - P.f. (58%)
  - P.v. (40%)
  - Mixed (2%)

- **Positive cases detected by outlets**
  - Clinic
  - Community Event
  - Pharmacy
  - CMC

- **Average reporting rate** 63%

**Quality of Case Management**

- **99.2%** suspected cases received blood tests
- **79.1%** cases treated or referred according to guidelines

*The GEMS+ network in Vietnam also includes 85 Community Malaria Champions (CMCs).*
Lao PDR Quality of Care Score

PPMs (n=312 outlets assessed)

- Class A (74%)
- Class B (22%)
- Class C (4%)

Myanmar Quality of Care Score

ICMV (n=19 outlets assessed)

- Class A (47%)
- Class B (47%)
- Class C (5%)

Private Outlets (PO) (n=84 providers assessed)

- Class A (40%)
- Class B (48%)
- Class C (12%)

Vietnam Quality of Care Score

Clinics (n=149 outlets assessed)

- Class A (73%)
- Class B (18%)
- Class C (9%)