On Friday, December 7, 2018, the Palau Ministry of Health alerted the public of an outbreak of dengue fever following the first ever laboratory confirmation of two cases with dengue serotype-3. In response to the outbreak, the Ministry of Health activated its emergency response team on December 7, 2018. The team has been tasked with raising community awareness of the outbreak and dengue prevention measures, conducting disease surveillance and reporting, strengthening environmental control measures, and ensuring adequate resources are available to combat the outbreak.

Between December 23 – 29, 2019, there were twelve (12) new cases reported, including seven (7) residents of Koror state from Ngerkebesang (3), Dngeronger (2), Ngerbeched (1) and Ngerchemai (1) hamlets.

Of the forty-nine (49) cases of dengue reported to date in December, thirty-six (36) were residents of Koror state, with more than half of those cases residing in Ngerkebesang hamlet.

The Communicable Disease Unit and the DEH Vector Control Program continue to investigate all reported cases of dengue fever and implement vector control measures.

The Palau Ministry of Health promotes the dengue 3S messages:

- Search and eliminate mosquito breeding sites.
- Self-protect by wearing insect repellent and ensuring a mosquito-free environment.
- Seek early consultation if you show severe signs or symptoms of dengue.

**Epi Curve**

Dengue Cases by Week of Diagnosis
December 3, 2018 - December 29, 2019

**Case Summary**

| Hamlet       | Aug      | Sep      | Oct      | Nov      | Dec      | Total     | %
|--------------|----------|----------|----------|----------|----------|-----------|---
| Ngerchemai   | 3        | 4        | 5        | 19       | 10       | 104       | 19%
| Ngerkebesang | 20       | 16       | 13       | 9        | 10       | 76        | 14%
| Ngermid      | 2        | 3        | 4        | 6        | 3        | 43        | 8%
| Ngerbeched   | 2        | 4        | 4        | 13       | 60       | 11%       | ---
| Madalai      | 2        | 4        | 6        | 57       | 10%      | ---       | ---
| Ngerkesoal   | 1        | 2        | 5        | 43       | 8%       | ---       | ---
| Iyebukel     | 2        | 1        | 2        | 5        | 33%      | ---       | ---
| Idl          | 1        | 9        | 32       | 6%       | ---      | ---       | ---
| Meyuns       | 4        | 2        | 1        | 2        | 28%      | 5%        | ---
| Meketii      | 1        | 1        | 1        | 32        | 4%       | ---       | ---
| Dngeronger   | 2        | 1        | 5        | 14       | 3%       | ---       | ---
| Ikelau       | 2        | 1        | 2        | 9        | 2%       | ---       | ---
| TOTAL        | 36       | 24       | 33       | 35       | 79       | 546       | ---

64% of cases are below the age of 30, with 10-19 year olds comprising the largest group affected (29%). More men than women have been affected.

The majority of cases during this outbreak are Palauans followed by Bangladeshis, Filipinos and Chinese nationals.

**Demographics**

<table>
<thead>
<tr>
<th>Ethnicity</th>
<th>Count</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Palauan</td>
<td>464</td>
<td>85%</td>
</tr>
<tr>
<td>Bangladeshi</td>
<td>29</td>
<td>5%</td>
</tr>
<tr>
<td>Filipino</td>
<td>18</td>
<td>3%</td>
</tr>
<tr>
<td>Chinese</td>
<td>9</td>
<td>2%</td>
</tr>
<tr>
<td>Other</td>
<td>26</td>
<td>5%</td>
</tr>
<tr>
<td>TOTAL</td>
<td>546</td>
<td>---</td>
</tr>
</tbody>
</table>

**Epi Week 52: December 23 – 29, 2019**

Dengue cases in Koror from December 23 – 29, 2019, n=7

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The next report for epi week 1 will be released on Tuesday, January 7, 2020.