

Dengue 3 Outbreak, Palau, December 2018 – January 2020

2020 Epi Week 3: January 13 - 19, 2020



Outbreak Overview and Summary

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 January 13 - 19, 2020, there were ten (10) new cases reported, all of whom are residents of Koror state from following hamlets: Meyuns (4), Madalaii (2), Ngerkebesang (2), Ngerchemai (1), and Ngerbeched (1).

There have been a total of thirty (30) cases reported to date in the month of January 2020. Of these cases, twenty-six (26) were residents of Koror state, with the most cases in Ngerkebesang followed by Madalaii and Meyuns.

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.

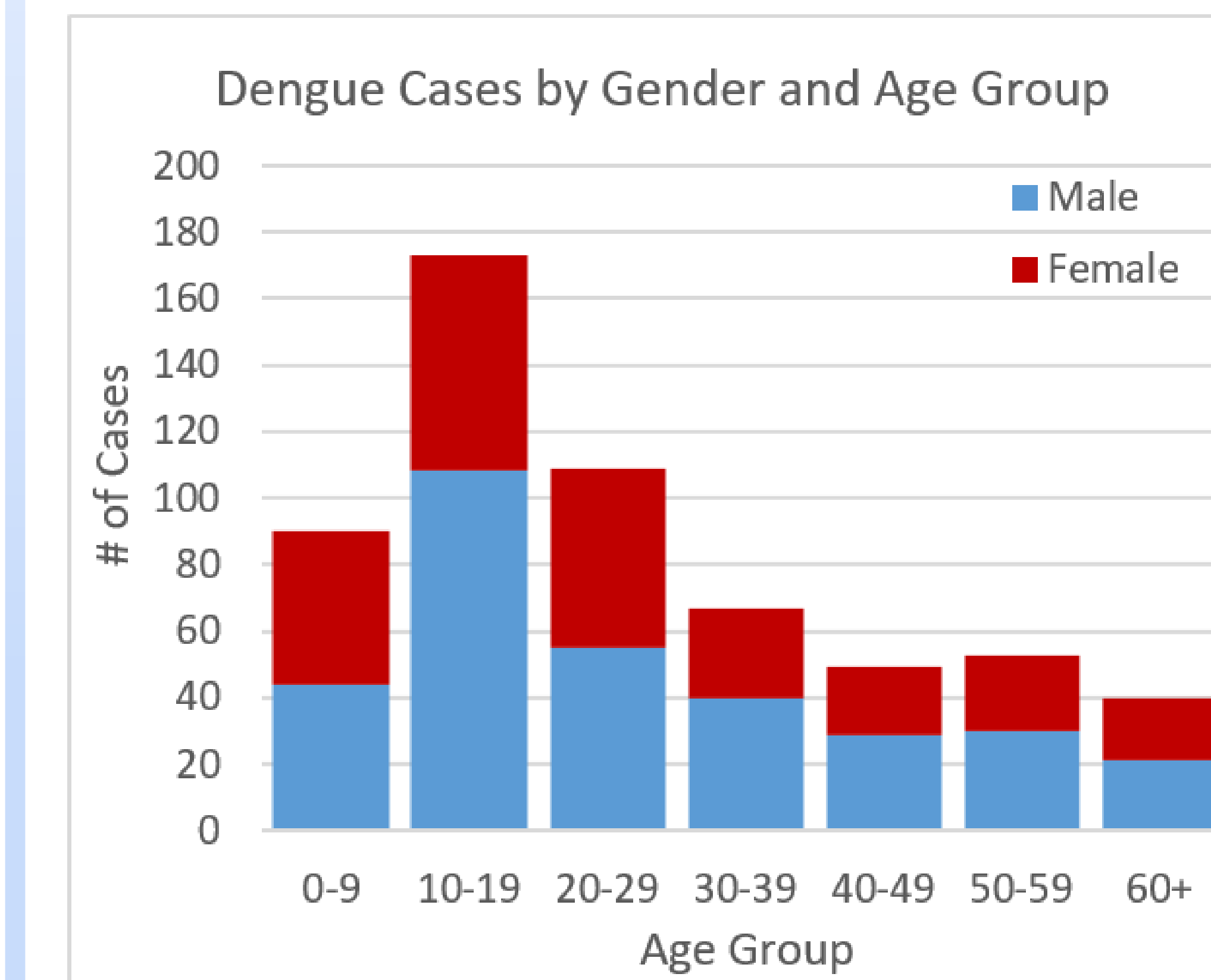


Case Summary

Hamlet	2020		Oct - Dec 2019		Total since Dec 2018	
	Jan	Dec	Nov	Oct	#	%
Ngerchemai	1	3	4	6	105	18%
Ngerkebesang	9	25	16	13	90	15%
Ngermid	1	2		3	64	11%
Ngerbeched	3	2	2	4	63	11%
Madalaii	5			2	62	11%
Ngerkesoool		2			44	8%
Iyebukel		2	1		33	6%
Idid					32	6%
Meyuns	5	6		2	35	6%
Meketii	2	1	1		25	4%
Dngeronger		2		1	19	3%
Ikelau				2	9	2%
TOTAL	26	45	24	33	581	

Demographics

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.

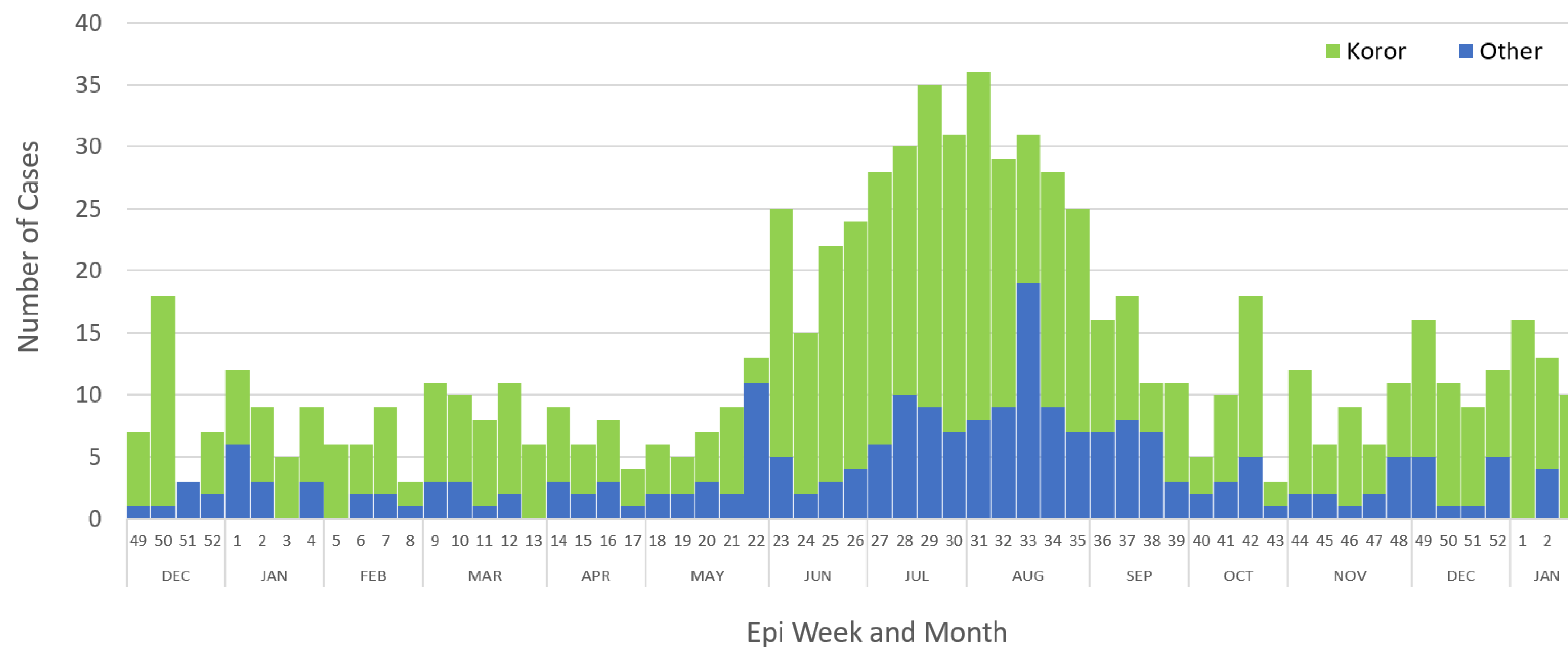


The majority of cases during this outbreak are Palauans followed by Bangladeshi, Filipino and Chinese nationals.

Ethnicity	Count	%
Palauan	492	85%
Bangladeshi	31	5%
Filipino	21	4%
Chinese	10	2%
Other	27	5%
TOTAL	581	

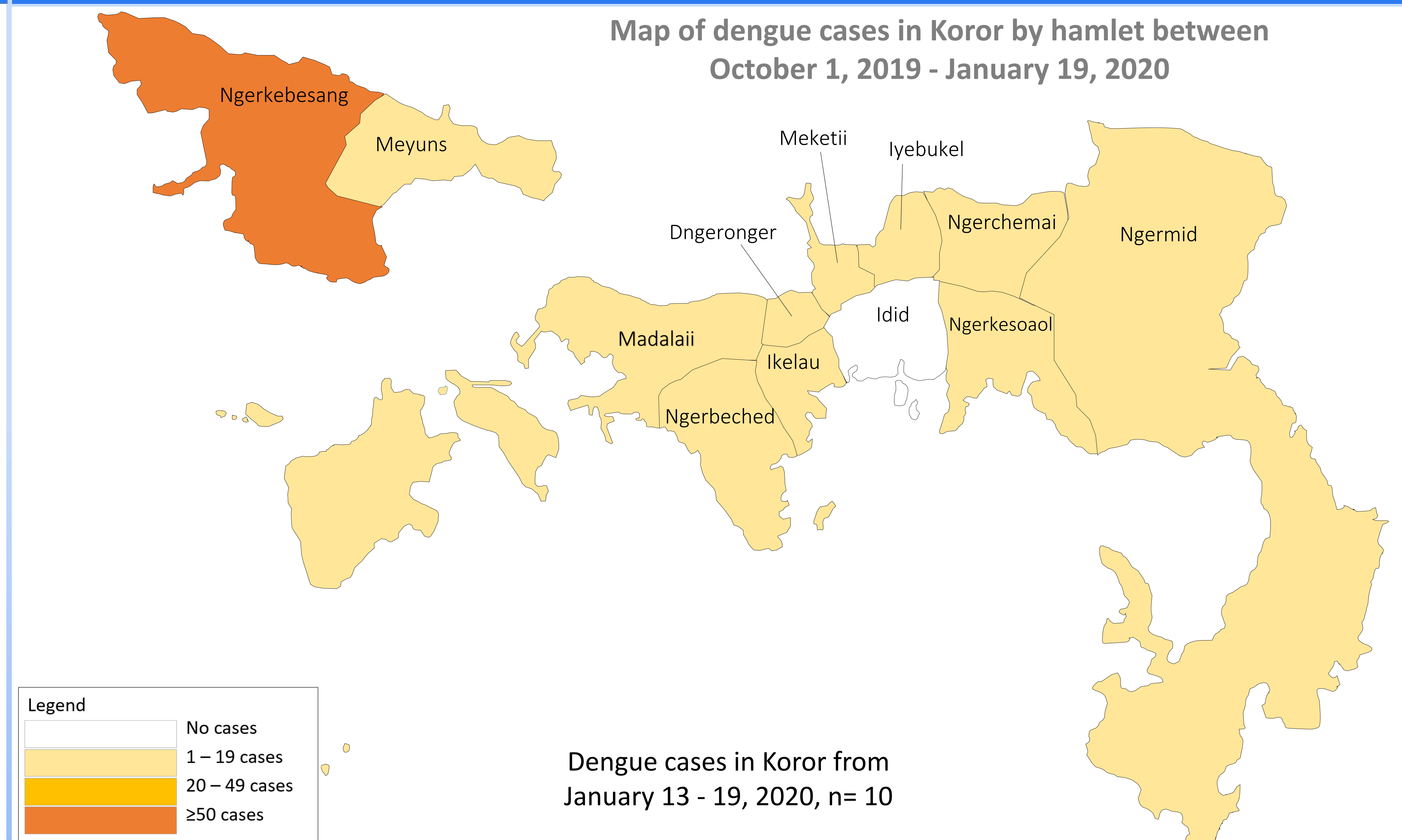
Epi Curve

Dengue Cases by Week of Diagnosis
December 3, 2018 - January 19, 2020



Cases by Hamlet

Map of dengue cases in Koror by hamlet between October 1, 2019 - January 19, 2020



Dengue cases in Koror from January 13 - 19, 2020, n= 10