

Dengue 3 Outbreak, Palau, December 2018 – November 2019

Epi Week 46: November 11 - 17, 2019



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 November 11 - 17, 2019, there were nine (9) new cases reported, including eight (8) residents of Koror state residing in Ngerkebesang (7) and Ngerbeched (1) hamlets. Of the twenty (20) cases of dengue reported to date in November, fourteen (14) were residents of Koror state, with a majority residing in Echang community in Ngerkebesang.

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

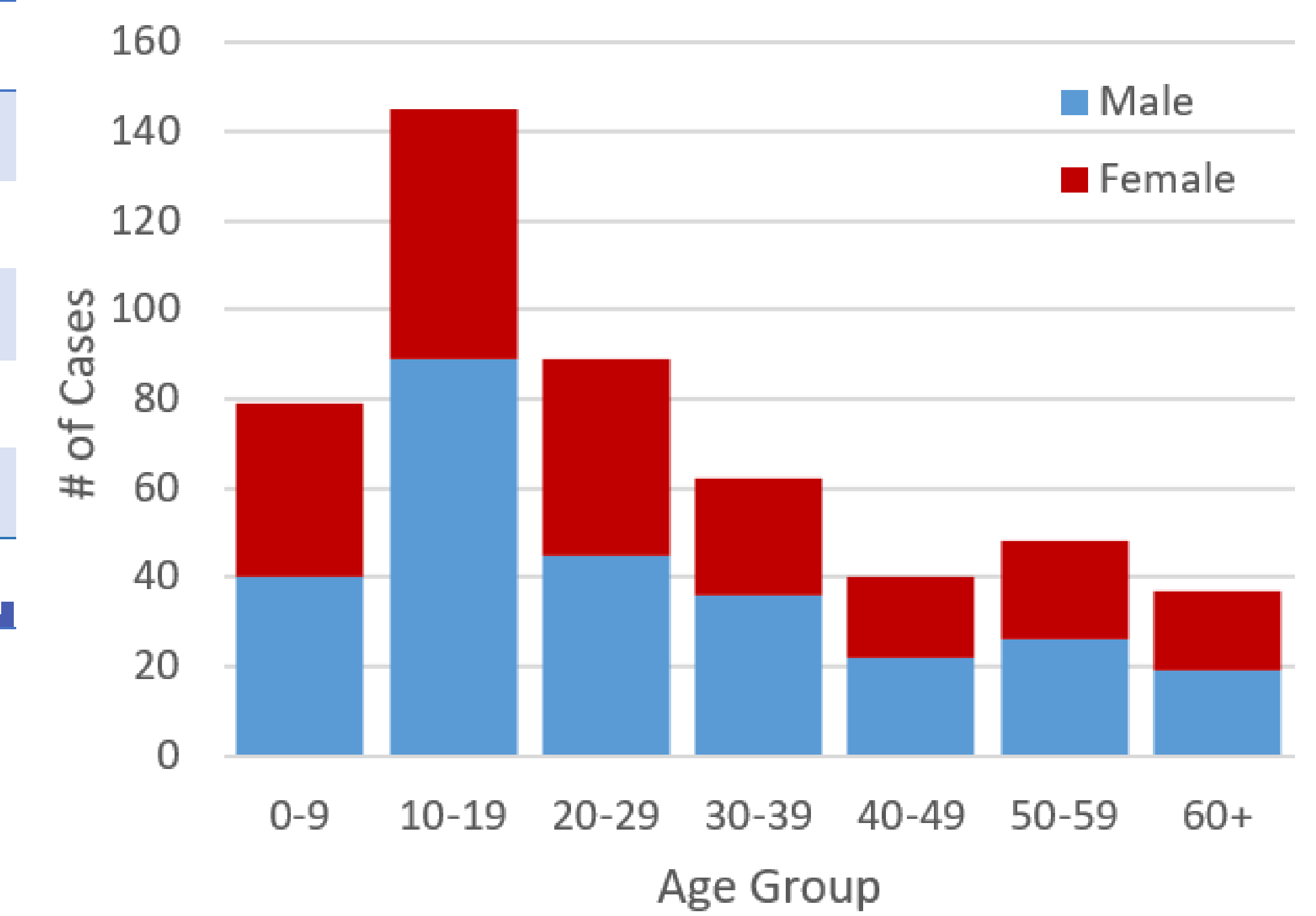
Hamlet	July - Nov 2019					Total since Dec 2018	
	Nov	Oct	Sep	Aug	Jul	#	%
Ngerchemai	2	6	5	19	24	99	20%
Ngermid		3		4	13	61	12%
Madalaii		2	4	6	13	57	11%
Ngerbeched	1	4	4	13	18	57	11%
Ngerkesoal			2	5	10	42	8%
Ngerkebesang	10	13	9	10	5	50	10%
Idid			1	9	10	32	6%
Iyebukel	1		2	5	9	31	6%
Meyuns		2	1	2	3	24	5%
Meketii			1	3	1	21	4%
Dngeronger		1	5	1	3	17	3%
Ikelau		2	1	2	2	9	2%
TOTAL	14	33	35	79	111	500	

Demographics

The majority of cases during this outbreak are Palauans followed by Bangladeshi, Filipino and Chinese nationals. The age group that is most affected is persons between 10 and 19 years old.

Ethnicity	Count	%
Palauan	424	85%
Bangladeshi	27	5%
Filipino	18	4%
Chinese	7	1%
Other	24	5%
TOTAL	500	

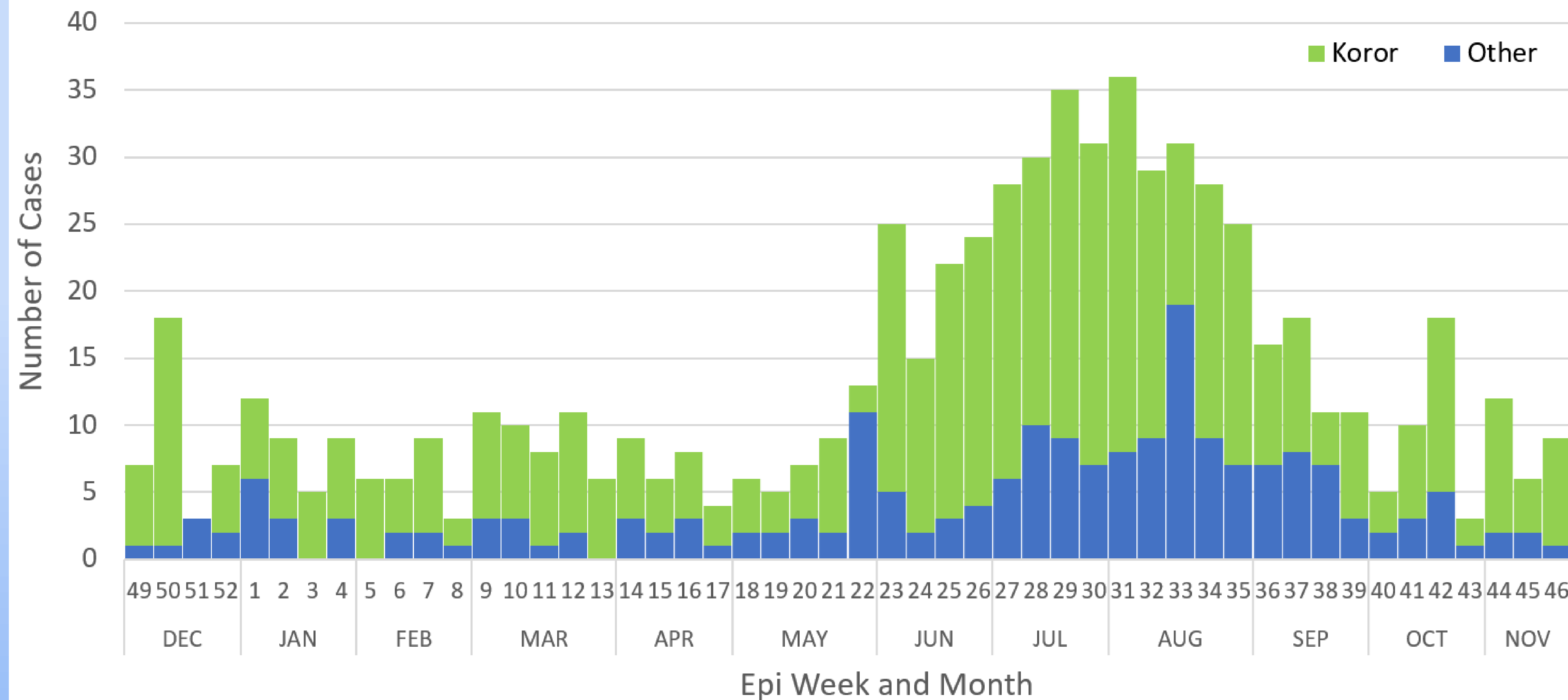
Dengue Cases by Gender and Age Group



Epi Curve

Dengue Cases by Week of Diagnosis

December 3, 2018 - November 17, 2019



Cases by Hamlet

