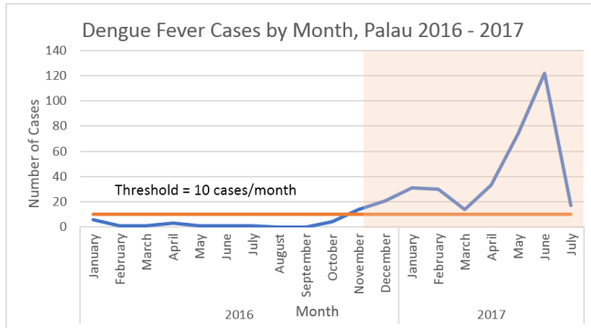
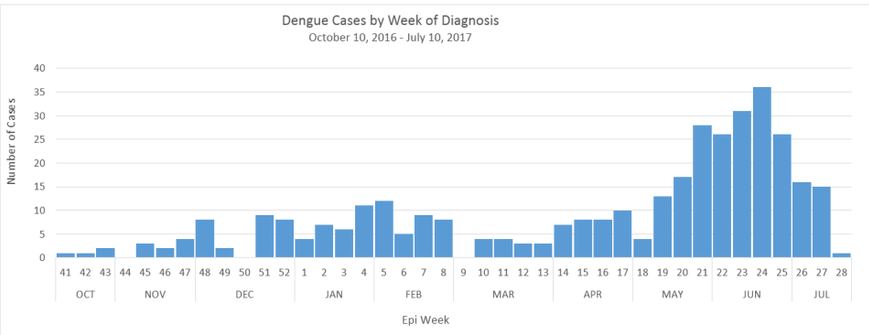
Dengue Outbreak: Palau, October 2016 – July 10, 2017

20170710 Dengue Outbreak Update

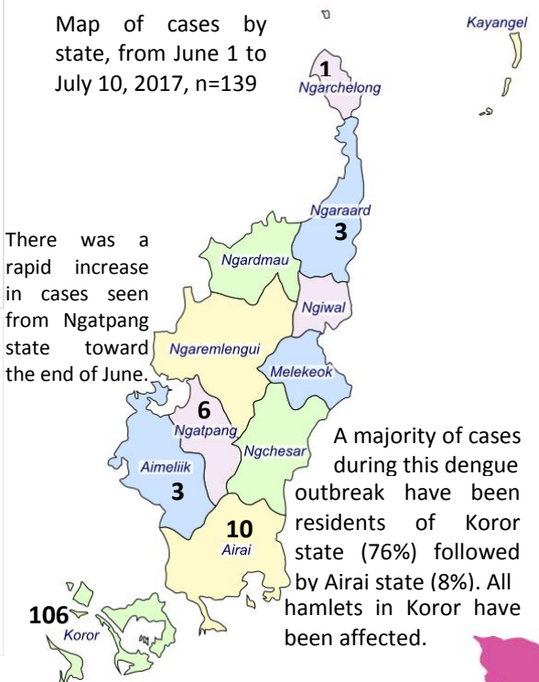
The number of cases of dengue seen at BNH exceeded the threshold for an outbreak in November of 2016. From October 10, 2016 to July 10, 2017, there have been 362 cases identified.





There have been three (3) deaths as a result of dengue virus infection in patients with pre-existing medical conditions and who sought medical attention too late. This highlights the importance of protecting the vulnerable populations – those with NCDs, infants and young children, the elderly and anyone with a weakened immune system – and strengthening community awareness efforts to encourage infected persons to seek medical attention early, to avert future deaths. There is no vaccine or anti-viral drug for the treatment of dengue, however dengue virus infection both preventable and treatable. The 3S of dengue prevention are to: **S**earch and eliminate mosquitoes, use **S**elf-protection measures like mosquito repellent, and **S**eek medical attention early if you think you have dengue.

Map of cases by state, from June 1 to July 10, 2017, n=139



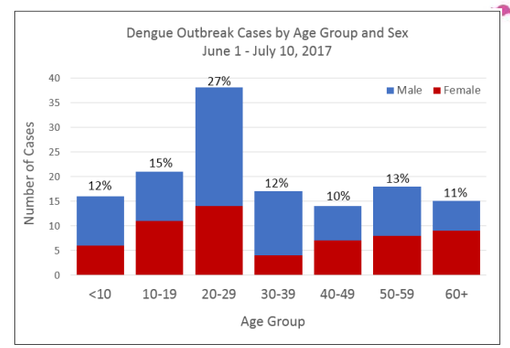
There was a rapid increase in cases seen from Ngatpang state toward the end of June.

A majority of cases during this dengue outbreak have been residents of Koror state (76%) followed by Airai state (8%). All hamlets in Koror have been affected.

REPORT AS OF JULY 10, 2017

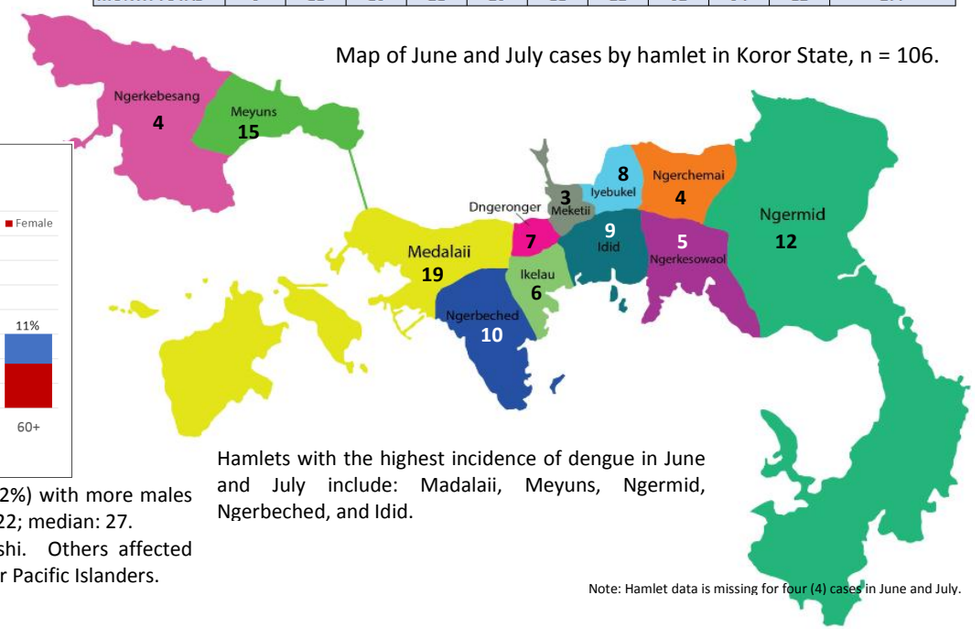
STATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	STATE TOTAL
Koror	3	11	16	21	25	11	22	62	94	12	277
Airai	1	1	3	3	3		4	6	9	1	31
Ngarchelong				2	2	1	1	3	1		10
Ngatpang					1		4		4	2	11
Peleliu								1	9	1	11
Aimeliik		1	1			2	2		2	1	9
Ngaraard			1					1	3		5
Ngiwal				2				1			3
Angaur				2							2
Ngardmau				1	1						2
Melekeok		1									1
MONTH TOTAL	**4**	**14**	**21**	**31**	**32**	**14**	**33**	**74**	**122**	**17**	**362**

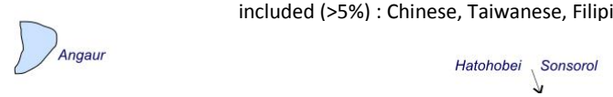
KOROR HAMLET	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	HAMLET TOTAL
Madalaii			2	4	1	2	6	6	18	1	40
Ngermid	3	8	6		2	2	1	2	12		36
Meyuns			1	3	5	1	2	6	12	3	33
Ngerbeched				1	2	3	3	12	10		31
Dngeronger			1	2	5	1	1	11	7		28
Ngerchemai		3	1	4	6	1	2	3	4		24
Iyebukel					1	1	2	5	8		17
Idid			1	1				6	6	3	17
Meketii				3	3		3	2	3		14
Ngerkebesang			4	3			1	2	4		14
Ngerkesowaol							1	5	5		11
Ikelau								1	4	2	7
Unknown								1	1	3	5
MONTH TOTAL	**3**	**11**	**16**	**21**	**25**	**11**	**22**	**62**	**94**	**12**	**277**



Most cases in June and July were between 10 and 29 years old (42%) with more males (58%) than females (42%). Age range: 9 months – 88 years; mean: 22; median: 27. Roughly 84% of cases were Palauan, nearly 5% were Bangladeshi. Others affected included (>5%) : Chinese, Taiwanese, Filipinos, Americans, and other Pacific Islanders.

Map of June and July cases by hamlet in Koror State, n = 106.



Hamlets with the highest incidence of dengue in June and July include: Madalaii, Meyuns, Ngermid, Ngerbeched, and Idid.

Note: Hamlet data is missing for four (4) cases in June and July.