

Generating high-quality evidence on existing vaccines for Chikungunya in response to outbreaks

Overview of the chikungunya
epidemiology and current disease
dynamics in Mauritius

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Chikungunya outbreak in Mauritius in 2006

Goorah, Smita. "A Study of the 2006 Chikungunya Epidemic Outbreak in Mauritius." Internet Journal of Medical Update - EJOURNAL, African Journals Online (AJOL), 2008.

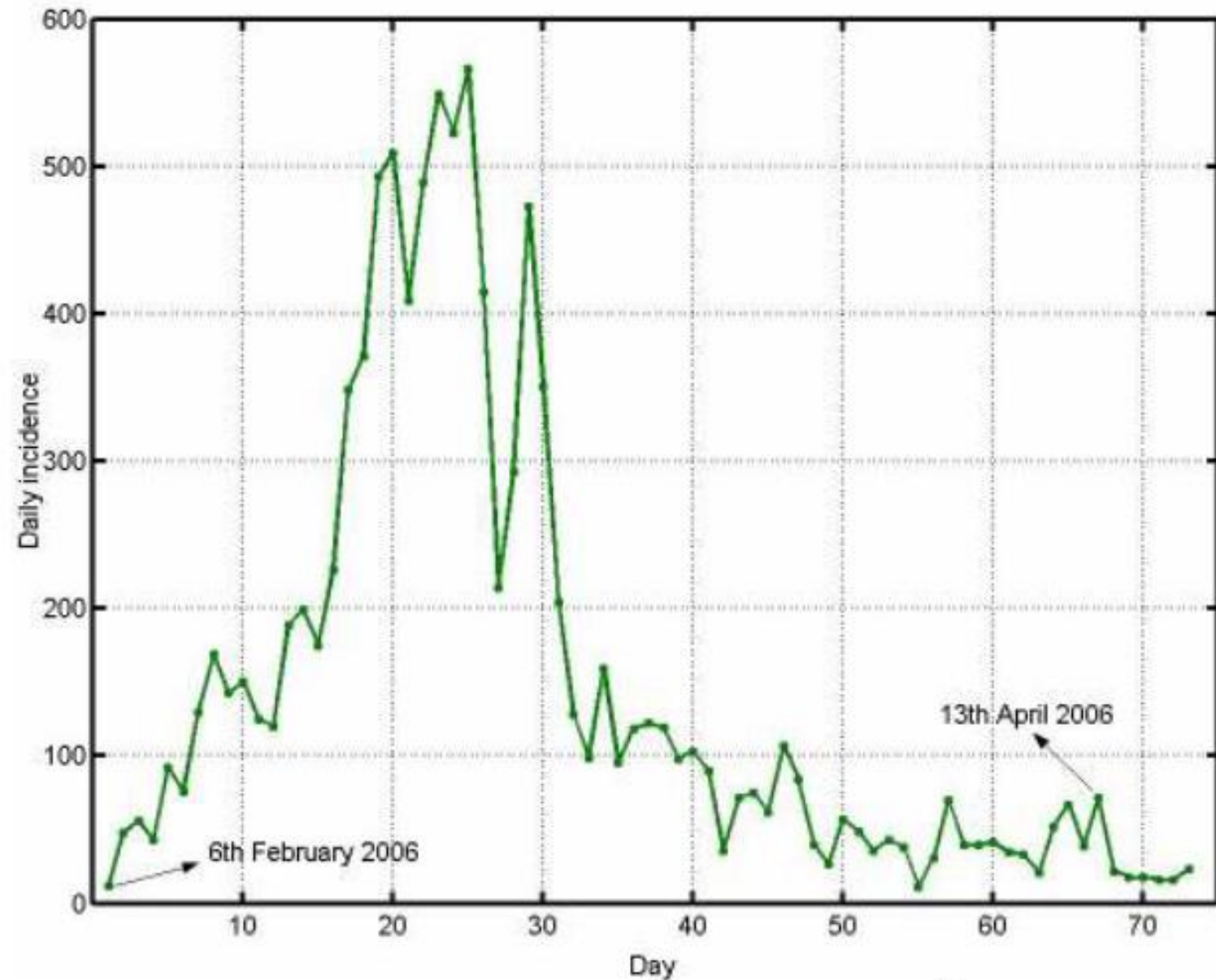
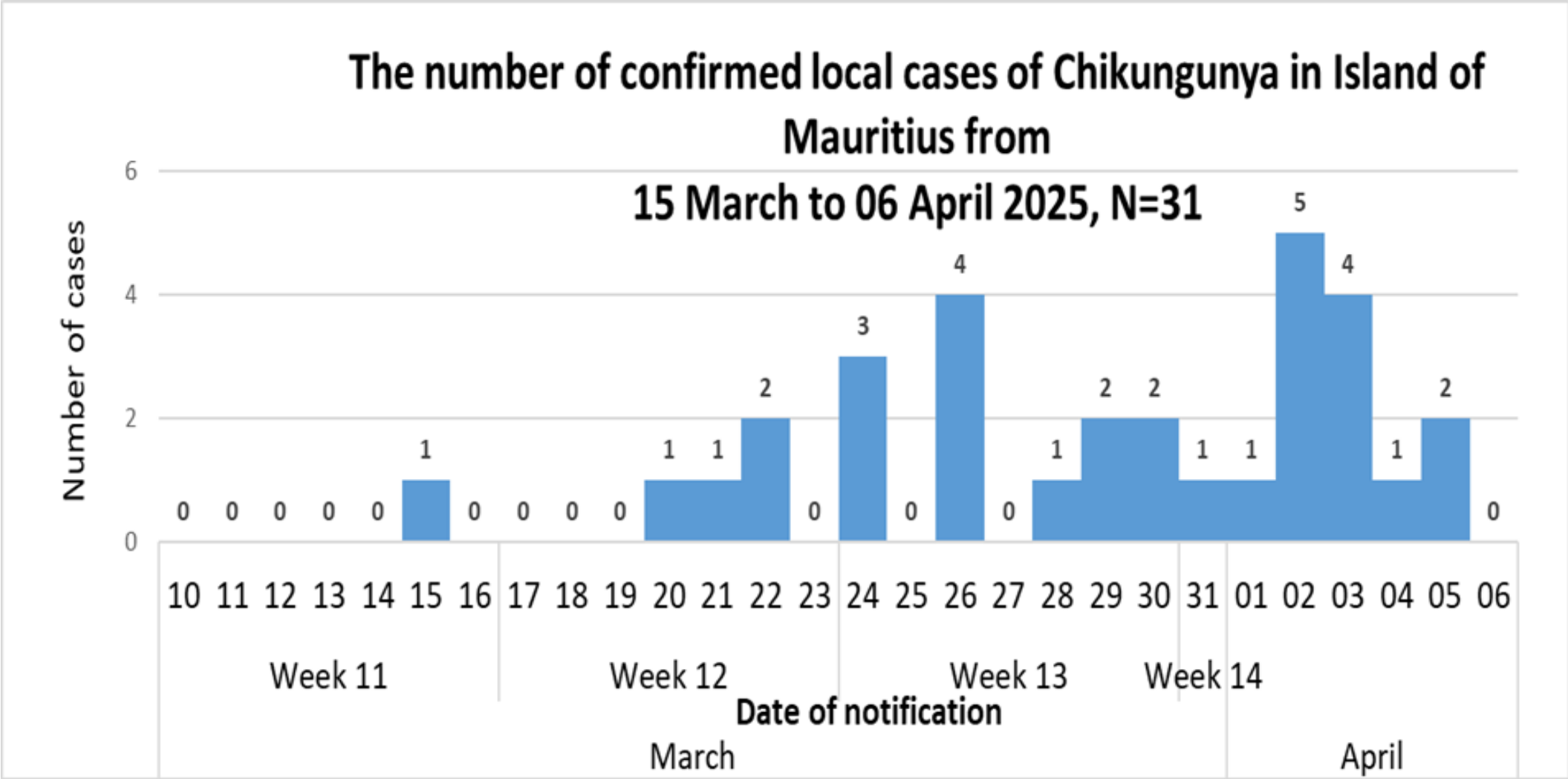


Figure 2: Chikungunya daily incidence in Mauritius from 6th February 2006 to 19th April 2006. The dip around the 4th March 2006 coincided with a cyclonic weather condition in Mauritius. The daily incidence data was not available for the period after 19th April but there was a gradual fall in the number of cases from then on

The outbreak of chikungunya started on 15 March 2025



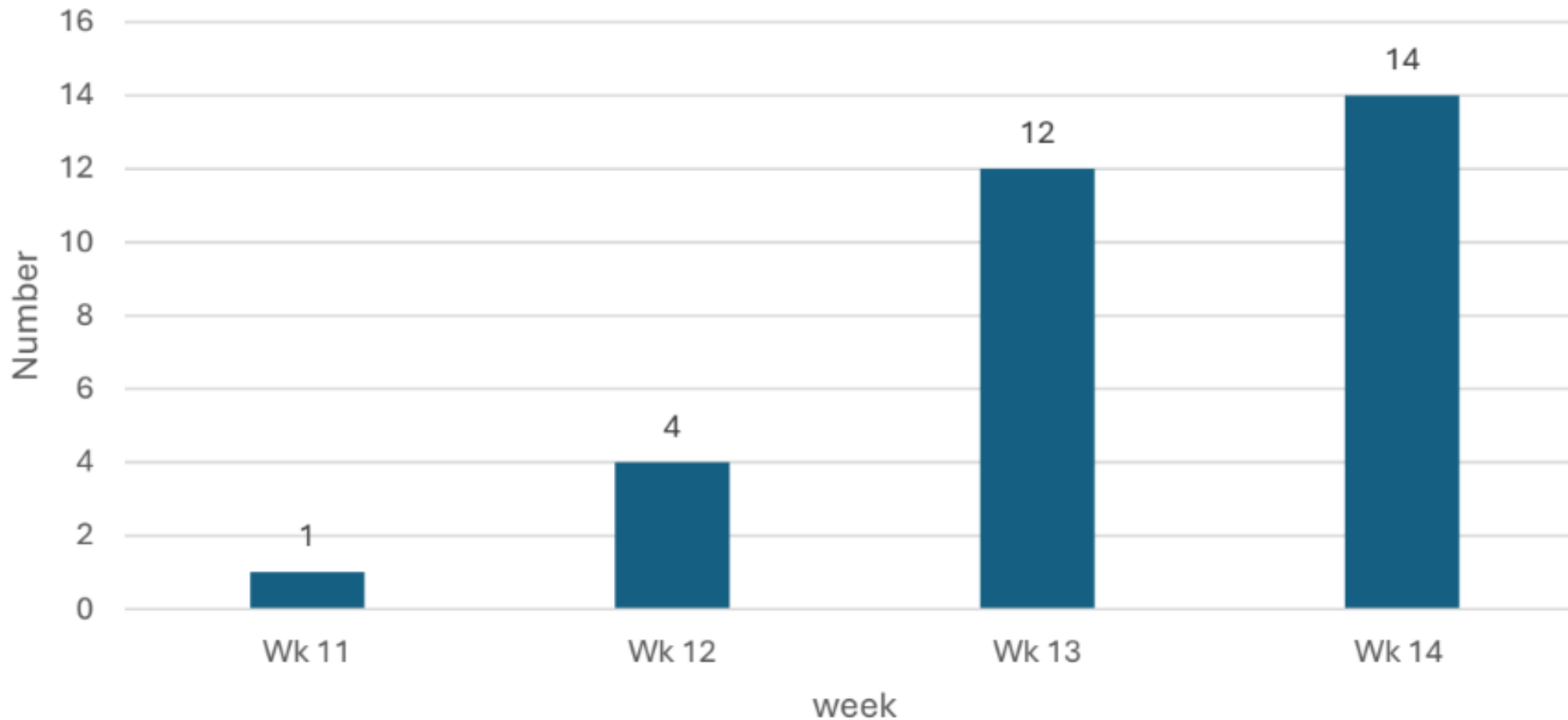
As of 7 April 2025 at 9am: 31 local cases + 7 imported cases (include 1 imported case in Rodrigues)

Details		Active Cases	Recovered Cases	Total Cases
Gender	Male	3	11	14
	Female	4	13	17
Age Group	0-19	-	2	2
	20-39	2	5	7
	40-59	2	10	12
	60 and above	3	7	10
Health Regions	Region 1	2	2	4
	Region 2	5	13	18
	Region 3	-	-	0
	Region 4	-	-	0
	Region 5	-	9	9
Total		7	24	31

Range:
4y to 95y
old

From CDCU,
MOHW,
Mauritius

Weekly Number of local cases of chikungunya in Mauritius (Week 11-Week 14)



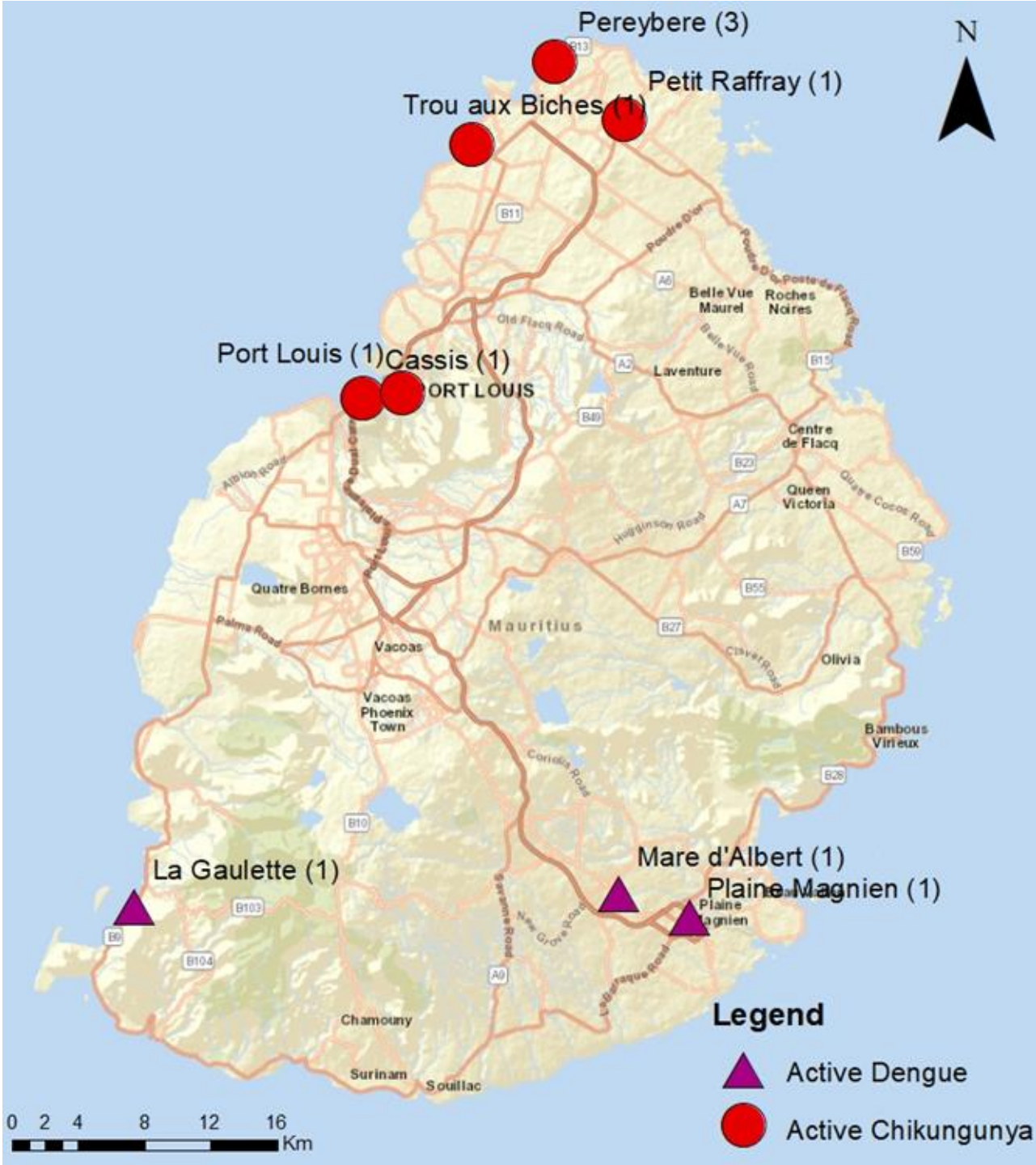
From CDCU,
MOHW,
Mauritius

0 deaths, 0 admissions in ICU, virtually all patients are admitted to the hospital until they are aviremic



From CDCU,
MOHW,
Mauritius

Active cases
of
chikungunya
and dengue in
Mauritius as
of 7 April



Dengue outbreak
started on 21
March 2025

19 local cases of
dengue have been
diagnosed

From CDCU,
MOHW,
Mauritius

ChikV SEQUENCING REPORT (end of March)

– Central Health Laboratory, Mauritius

- 2 out of the first 3 ChikV PCR Positive cases were successfully sequenced by the Virology Department using Illumina MiniSeq
- Both were ECSA (East-Central-South-African) lineage

Potential questions in vaccinating the public with a chikungunya vaccine in Mauritius

- Concurrent dengue outbreak – will the public feel overly protected after getting the chikungunya vaccine and not take precautions against dengue?
- It's not clear what % of the population will be interested in getting immunized by a non-WHO approved vaccine
 - Vaccine hesitancy has increased post-COVID
- The Ministry is busy tackling two epidemics and may not have the resources to conduct a trial – maybe, Contract Research Organizations and others can help with logistics
- Will 'false' rumors about the vaccine and its potential side effects exacerbate vaccine hesitancy in the country?