



CHIKUNGUNYA OUTBREAK LA RÉUNION, 2024-2025

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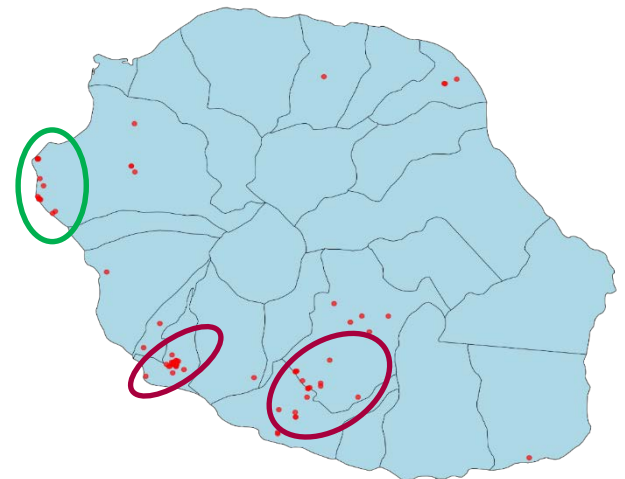
CHIKUNGUNYA IN REUNION ISLAND

HISTORY

- Major outbreak in 2005-2006: **250 000 estimated cases**
- Since 2010 up to 2024: no local transmission of CHIKV
- Very few imported cases

2024

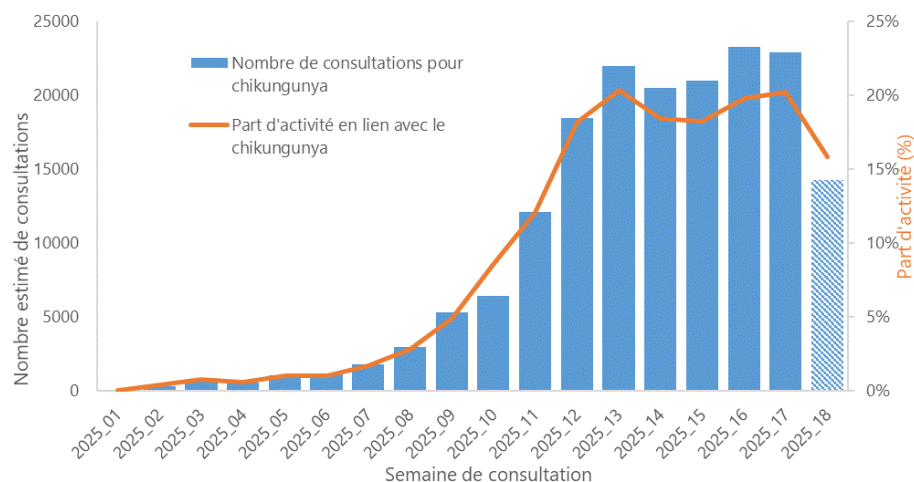
- **End of August (WINTER)** : notification of PCR POS
- Deep investigation : no link with imported case, travels, travellers, unexplained fever, etc => **AUTOCHTONOUS CASE**
- Limited circulation for 2 months
- Expansion and spread to the South



06 January 2025

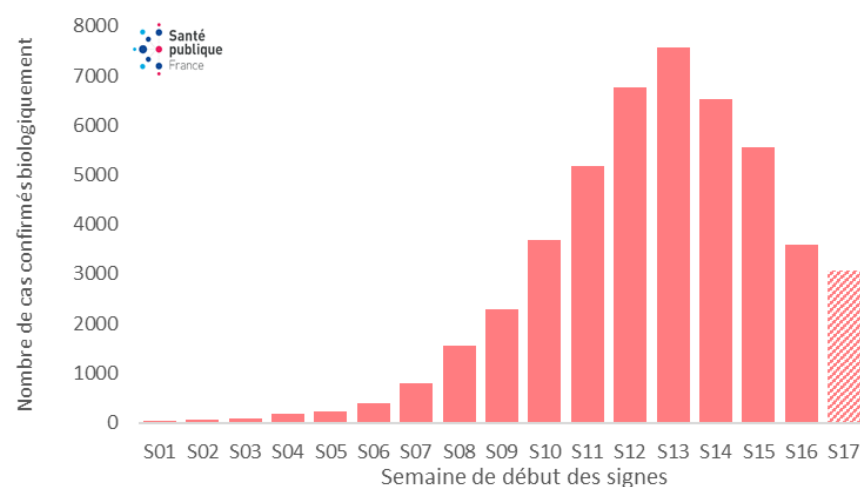
EPIDEMIOLOGICAL SITUATION (AS OF MAY, 7TH)

ACTIVITY IN FAMILY MEDECINE



Data : Sentinel network, Exploitation Santé publique France

BIOLOGICALLY CONFIRMED CASES

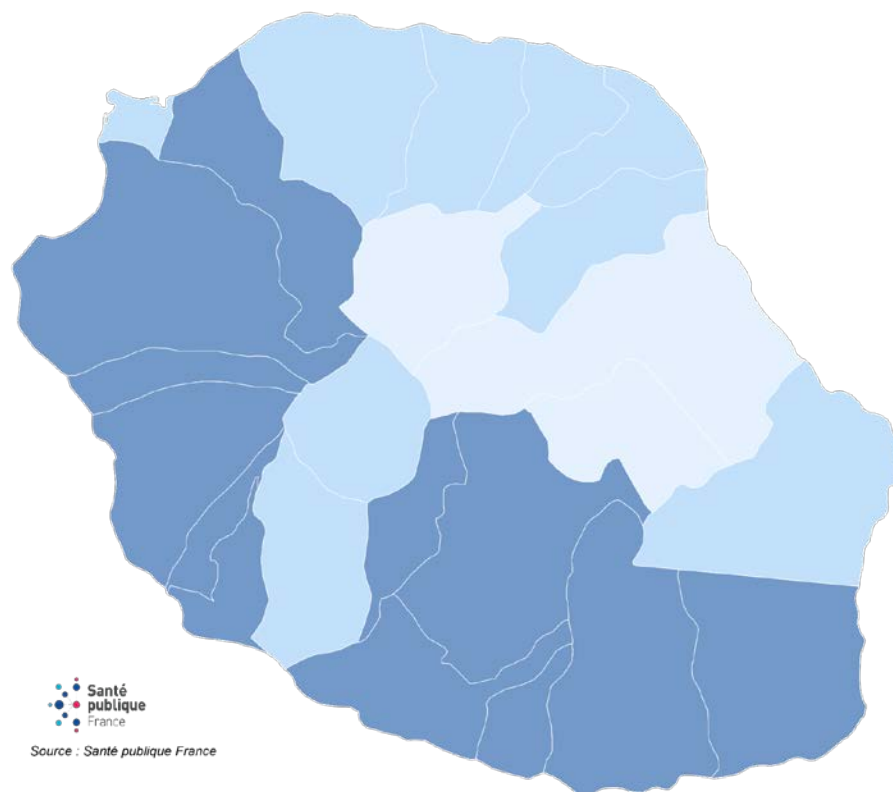


Data : Regional Health Agency, Exploitation Santé publique France

	TOTAL	S18	Trend
CONSULTATION FOR CHIKUNGUNYA	174 300	14 200	↘
CONFIRMED CASES	47 593	3 079	↘

Note : population of Réunion Island = 900 000 inhabitants

EPIDEMIOLOGICAL SITUATION (AS OF MAY, 7TH)

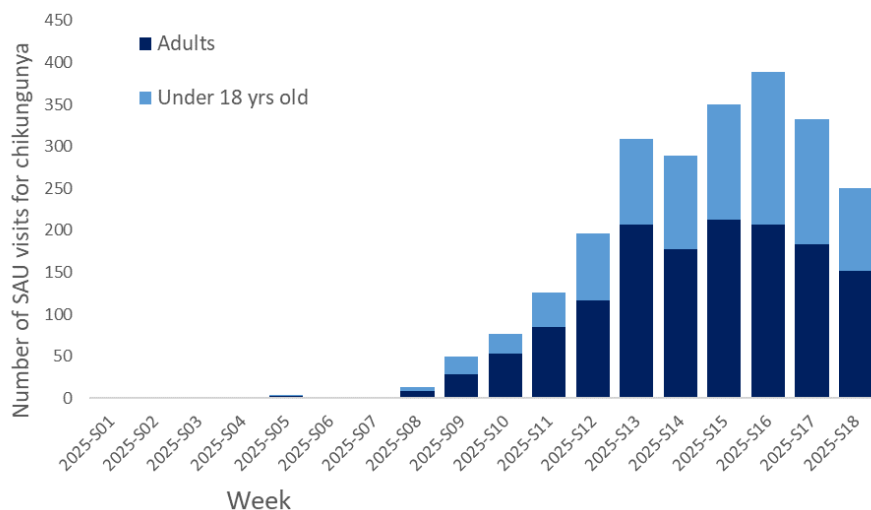


Data : Regional Health Agency, Exploitation Santé
publique France

Déclaration pour 10 000 hab. 101-200 201-500 >500

EPIDEMIOLOGICAL SITUATION (AS OF MAY, 7TH)

CHIKUNGUNYA-LINKED ED ACTIVITY



Data : OSCOUR network, Exploitation Santé publique France

- +/- 20% hospitalized after ED consultation (stable over time)
- Children less hospitalized after ED consultation
- Unequally dispersed

HOSPITALIZED CASES

- Around 300 hospitalizations > 24h notified (not a mandatory notification)
- 3 distinct populations
 - pediatric cases for pain management
 - pregnant women for fever during pregnancy and materno-fetal transmission monitoring
 - > 65 cases with comorbidities
- Around 70 severe cases :
 - Old people with comorbidities (organ failure)
 - New borns (under 6 months) : pain +++, respiratory distress, encephalopathy
- 12 deaths linked to chikungunya (28 under investigation)

ANALYSIS & PERSPECTIVES



- Generalized outbreak
- Decreasing trend? TO BE CONFIRMED
- Questions?
 - One wave? Several? (// dengue)
 - « Exportation »? Mayotte? Other countries in Indian Ocean? Mainland France?

**Thanks to all our partners
involved in this surveillance!**



Chikungunya Mayotte : Update on May 7, 2025

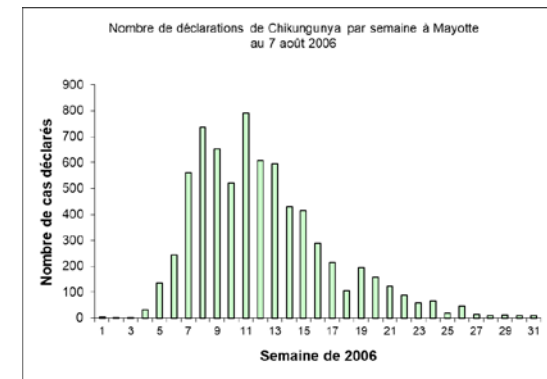
M. SOLER, A. LAPOSTOLLE, K. MADI, H. YOUSOUF
SANTÉ PUBLIQUE FRANCE – DIRECTION DES RÉGIONS
CELLULE MAYOTTE

HISTORY OF CHIKUNGUNYA MAYOTTE

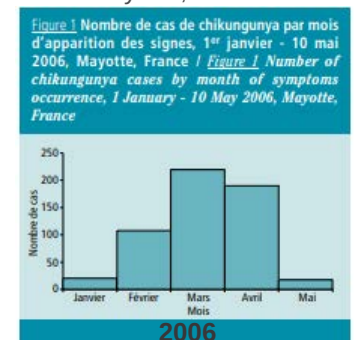
Latest outbreak in 2006

- Mid-2004 : Outbreak in Kenya
- Early 2005 : spread across the Comoros
- April 2005, Mayotte : First detected cases (End of the hot and humid season)
 - ⇒ In 2005 : notification of 66 chikungunya cases, 11 of which biologically confirmed
- From January 2006 : Intensification of transmission (Humid season)
 - o 6 443 suspected or confirmed cases, 1 death : Attack rate 40 cases/ 1000 inhabitants
 - o Serosurvey and cross-sectional community survey (May 2006) : cumulative incidence=26% => nearly 250 per 1000* (same magnitude as in the Reunion Island)

Reported cases, Mayotte, 2006



Cross-sectional community survey, Mayotte, 2006



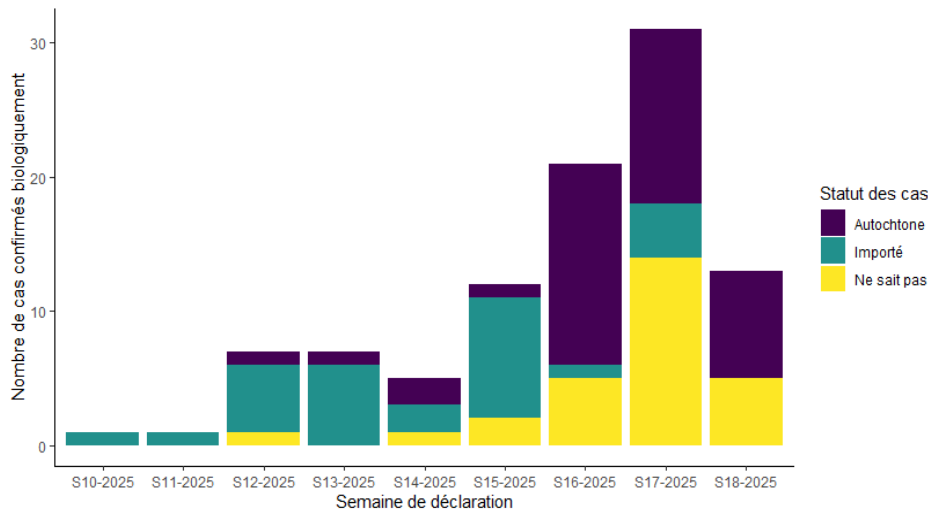
*Épidémie massive de fièvre chikungunya à Mayotte, France en 2005-2006 : description à partir des résultats de deux enquêtes épidémiologiques.
D Sissoko, G Delmas, C Giry et al. BEH 48-49; 2007 : 405-407

UPDATE ON MAY 5, 2025 : 98 CASES

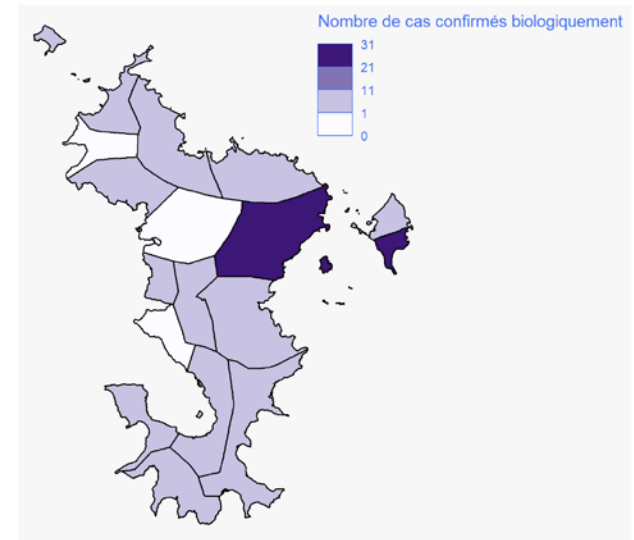
- **41** autochthonous confirmed cases, reported between March 25 and May 5
- **29** imported cases, reported between March 4th and May 5
- **28** indetermined confirmed case, reported on May 5
 - o **98 confirmed cases including 3** hospitalizations (pregnant women)

case characteristics	N = 98
Age	36 (26, 52)
Sex	
Female	53 (54%)
Male	45 (46%)

Epidemic curve of chikungunya cases
By date of onset of symptoms (date of sample collection when missing)



Geographical distribution of cases



THANK YOU FOR YOUR ATTENTION!

ANY QUESTIONS?

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