

SEROCHIK - Cross-sectional Chikungunya Virus Seroprevalence Study

Head :Gérardin Patrick, Centre d'Investigation Clinique (CIC 1410) - ex Centre d'Investigation Clinique -
Epidémiologie Clinique (CIE2)de La Réunion
Favier François

Last update : 06/20/2025 | Version : 2 | ID : 31836

General

Identification

Detailed name Cross-sectional Chikungunya Virus Seroprevalence Study

Sign or acronym SEROCHIK

CNIL registration number, number and date of CPP agreement, AFSSAPS (French Health Products Safety Agency) authorisation CNIL 1827165, CPP 2006/47 (23/08/2006)

General Aspects

Medical area Infectious diseases
Rheumatology

Study in connection with Covid-19 No

Pathology (details) tropical medicine, virology, knowledge, attitudes, behaviour, practices, health, environment

Health determinants Geography
Lifestyle and behavior

Keywords Chikungunya virus, impact on health, rheumatology, cross-sectional study, public health, fatigue, prevalence, general population

Scientific investigator(s) (Contact)

Name of the director Gérardin

Surname Patrick

Address Centre de Recherche Médicale et en Santé - CHU Réunion - Site du Groupe Hospitalier Sud Réunion - Avenue du Président François Mitterrand BP 350 -

97448 Saint Pierre Cedex - Ile de La Réunion

Phone + (262) 262.35.90.00 + 5.42.71 ; + (262) 262.35.90.00 + 5.83.94 ; + (262) 262.35.90.00 + 5.87.53

Email patrick.gerardin@chu-reunion.fr

Unit Centre d'Investigation Clinique (CIC 1410) - ex Centre d'Investigation Clinique - Epidémiologie Clinique (CIE2)de La Réunion

Organization CHU de La Réunion / Inserm / Université de La Réunion / Union Régionale des Médecins Libéraux de l'Océan

Name of the director Favier

Surname François

Address Centre de Recherche Médicale et en Santé - CHU Réunion - Site du Groupe Hospitalier Sud Réunion - Avenue du Président François Mitterrand BP 350 - 97448 Saint Pierre Cedex - Ile de La Réunion

Phone + (262) 262.35.90.00 + 5.99.44; + (262) 262.35.90.00 + 5.92.91

Email francois.favier@chu-reunion.fr

Organization Inserm - Institut National de la Santé et de la Recherche

Collaborations

Participation in projects, networks and consortia Yes

Details Ongoing: CIRAD (Frédéric Chiroleu) and IRD/SEAS-OI (Télesphore Brou).

Funding

Funding status Public

Details INSERM - French National Institute of Health and Medical Research

Governance of the database

Sponsor(s) or organisation(s) responsible Inserm - Institut National de la Santé et de la Recherche Médicale

Organisation status	Public
Sponsor(s) or organisation(s) responsible	CHU de la Réunion
Organisation status	Public
Additional contact	
Main features	
Type of database	
Type of database	Study databases
Study databases (details)	Not-repeated cross-sectional studies (except case control studies)
Additional information regarding sample selection.	Sample formed using a two-stage probability sample design. 3,032 dwellings were randomly selected at level 1 after stratification by age, gender, residence area, municipality size, and type of habitat. 2,442 individuals were selected at level 2 according to the Kish method. 2,442 index persons were interviewed at home (2,106 adults aged 15 or over; 336 children under 15); 2,221 households and location-specific individuals.
Database objective	
Main objective	To determine the prevalence of the Chikungunya virus in the general population of Réunion Island during the post-epidemic period (August-October 2006).
Inclusion criteria	<ul style="list-style-type: none"> - Male and female. - Aged 15 years old or over.
Population type	
Age	<ul style="list-style-type: none"> Adolescence (13 to 18 years) Adulthood (19 to 24 years) Adulthood (25 to 44 years) Adulthood (45 to 64 years) Elderly (65 to 79 years) Great age (80 years and more)
Population covered	General population
Pathology	
Gender	Male

Woman

Geography area Departmental

French regions covered by the database La Réunion

Detail of the geography area 24 out of 25 Réunion Island municipalities, not including the Mafate municipality.

Data collection

Dates

Date of first collection (YYYY or MM/YYYY) 08/2006

Date of last collection (YYYY or MM/YYYY) 10/2006

Size of the database

Size of the database (number of individuals) [1000-10 000[individuals

Details of the number of individuals 3,032

Data

Database activity Data collection completed

Type of data collected Declarative data
Biological data
Administrative data

Declarative data (detail) Face to face interview

Details of collected declarative data Face-to-face questionnaire with 7 modules administered by the researcher at home: A-parlons du chikungunya (Talking About Chikungunya); B-parlons du traitement de la maladie (Talking About Disease Treatment); C-parlons de votre santé en général (Talking About Your General Health); D-connaissances sur la maladie et le moustique (Knowledge About The Mosquito and The Disease); E-comportement face au moustique (Behaviour Regarding The Mosquito); F-perception du risque (Risk Perception); G-description socio-démographique (Sociodemographic Description), as well as a researcher module on direct observation of habitat. Questionnaire supplemented by geographical, climate and location-specific data

from Météo France and CIRAD in 2012.

Biological data (detail)

Serologic status for chikungunya virus infection determined by ELISA IgG -specific serology test on blotting paper.

Administrative data (detail)

Age, country of birth, professional activity or ongoing study.

Presence of a biobank

No

Health parameters studied

Health event/morbidity
Health care consumption and services

Care consumption (detail)

Hospitalization
Medical/paramedical consultation
Medicines consumption

Procedures

Data collection method

Face-to-face questionnaire administered by the researcher at home.

Participant monitoring

No

Followed pathology

Links to administrative sources

No

Promotion and access

Promotion

Link to the document

<http://www.biomedcentral.com/1471-2334/8/99>

Link to the document

http://www.insee.fr/fr/insee_regions/reunion/themes/revue/revue129/revue129_chikungunya.pdf

Link to the document

<http://www.biomedcentral.com/1471-2334/8/99>

Link to the document

<http://www.biomedcentral.com/1471-2334/8/99>

Link to the document

http://www.insee.fr/fr/insee_regions/reunion/themes/revue/revue129/revue129_chikungunya.pdf

Link to the document

<http://www.biomedcentral.com/1471-2334/8/99>

Access

Terms of data access (charter for data provision, format of data, availability delay)

Database access conditions are currently being determined.

Access to aggregated data

Access on specific project only

Access to individual data

Access on specific project only