

# Ré-Conf-ISS - Réunion Island, Lockdown, Social Inequalities in Health

Responsable(s) :FIANU Adrian, CIC1410 / EQUITY (CERPOP)

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## Général

### Identification

Nom détaillé Réunion Island, Lockdown, Social Inequalities in Health

Sigle ou acronyme Ré-Conf-ISS

Numéro d'enregistrement (ID-RCB ou EUDRACT, CNIL, CPP, etc.) RNIPH, MR-004, INDS (MR 5219300420)

### Thématisques générales

Domaine médical Psychology and psychiatry

Etude en lien avec la Covid-19 Yes

Déterminants de santé Geography  
Social and psychosocial factors

Mots-clés housing conditions, self-reported health, social and geographic epidemiology, Réunion island, phone survey, Covid-19 epidemic context, residential district deprivation level

### Responsable(s) scientifique(s)

Nom du responsable FIANU

Prénom Adrian

Adresse CIC de la Réunion - CHU Sud Réunion BP350 97748 St-Pierre Cedex

Téléphone +262 (0) 262 35 90 00

Email adrian.fianu@chu-reunion.fr

Laboratoire CIC1410 / EQUITY (CERPOP)

Organisme INSERM / CHU de la Réunion

### Collaborations

Participation à des projets, des réseaux, des consortiums	No
Autres	This public health research project involves a scientific partnership both with the EQUITY team from the UMR1295 in Toulouse (CERPOP - Centre d'Epidémiologie et de Recherche en santé des POPulations) and the Indian Ocean Regional Observatory of Health (ORS).

## Financements

Financements	Public
Précisions	ANR Recherche-Action Covid-19 (wave 8)
Gouvernance de la base de données	
Organisation(s) responsable(s) ou promoteur	CHU de la Réunion
Statut de l'organisation	Secteur Public
Existence de comités scientifique ou de pilotage	Yes

Labellisations et évaluations de la base de données	The research project Ré-Conf-ISS was validated by the Covid-19 Scientific Restricted Board of the Réunion's CHU on 30th April 2020. The same day, the study was registered on the public directory of the INDS under the number MR 5219300420, and on the internal directory of the Data Protection Officer (DPO) of the Réunion's CHU. These regulatory proceedings were done with the help of the project manager of the Réunion's CHU DRCI.
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## Contact(s) supplémentaire(s)

Nom du contact	GERARDIN
Prénom	Patrick (co-investigateur)
Adresse	CIC de la Réunion - CHU Sud Réunion BP350 97748 St-Pierre Cedex
Email	patrick.gerardin@chu-reunion.fr
Laboratoire	CIC1410
Organisme	INSERM / CHU de la Réunion

Nom du contact	NATY
Prénom	Nadège (responsable de la plateforme d'enquête du CIC1410)
Adresse	CIC de la Réunion - CHU Sud Réunion BP350 97748 St-Pierre Cedex
Email	nadege.naty@chu-reunion.fr
Laboratoire	CIC1410
Organisme	INSERM / CHU de la Réunion
Nom du contact	DELPIERRE
Prénom	Cyrille (partenaire scientifique)
Adresse	Faculté de Médecine, Université Paul Sabatier, 37 Allées Jules Guesde, Toulouse 31000 France
Email	cyrille.delpierre@inserm.fr
Laboratoire	EQUITY (CERPOP)
Organisme	Université de Toulouse - Paul Sabatier Toulouse 3 / INSERM
Nom du contact	KELLY-IRVING
Prénom	Michelle (partenaire scientifique)
Adresse	Faculté de Médecine, Université Paul Sabatier, 37 Allées Jules Guesde, Toulouse 31000 France
Email	michelle.kelly@inserm.fr
Laboratoire	EQUITY (CERPOP)
Organisme	Université de Toulouse - Paul Sabatier Toulouse 3 / INSERM
Nom du contact	RACHOU
Prénom	Emmanuelle (partenaire scientifique)
Adresse	Observatoire Régional de La Santé Océan Indien, 12 Rue Colbert - 97 400 Saint-Denis
Email	e.rachou@orsoi.net
Laboratoire	ORS-OI

Organisme	ORS-OI
Caractéristiques	
Type de base de données	
Type de base de données	Study databases
Base de données issues d'enquêtes, précisions	Not-repeated cross-sectional studies (except case control studies)
Origine du recrutement des participants	A population file
Critère de sélection des participants	Another treatment or procedure
Le recrutement dans la base de données s'effectue dans le cadre d'une étude interventionnelle	No
Informations complémentaires concernant la constitution de l'échantillon	The Ré-Conf-ISS study planned to enroll a statistical sample of 900 adult persons selected via the telephone directory within the 114 major Réunion districts as defined by the Insee Réunion-Mayotte, following the quotas of adult inhabitants for these main districts and their deprivation level (Besson 2018).
Objectif de la base de données	
Objectif principal	<p>Primary objective:</p> <p>To describe, just after the lockdown implemented for tackling SARS-Cov-2 epidemic, the self-reported state of health of the Reunionese population according to the residential district deprivation level.</p> <p>Secondary objectives:</p> <ul style="list-style-type: none"> <li>- To describe, just after the lockdown event, the self-reported state of health of the Reunionese population according to the housing conditions experienced during the lockdown.</li> <li>- To describe, just after the lockdown event, the self-reported state of health of the Reunionese population according to the individual socioeconomic characteristics: age class and gender, employment status and socioprofessional category, education level.</li> </ul>

- To compare the self-reported general stress level between the regional studies conducted on Réunion island: during the lockdown event (Confin-Aou study) versus after the lockdown event (Ré-Conf-ISS study).

- To compare the psychologic impact of the lockdown event between France main land and Réunion island using the results from the Epidemic national survey and the Ré-Conf-ISS regional survey respectively.

#### Critères d'inclusion

- Major (aged 18 years and older)
- Living on the island before 17 March 2020
- Stayed on the Réunion territory within all through the lockdown event (between March 17th and May 11th)
- Without curatorship

#### Type de population

Age	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)
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Population concernée	General population
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#### Pathologie

Sexe	Male Woman Other
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Champ géographique	Regional
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Régions concernées par la base de données	La Réunion
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Détail du champ géographique	Enrollment of the 900 participants within the 114 reunionese major districts as defined by the Insee Réunion-Mayotte in 2018
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#### Collecte

#### Dates

Année du premier recueil	05/2020
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Année du dernier recueil	07/2020
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## Taille de la base de données

Taille de la base de données (en nombre d'individus) [500-1000] individuals

Détail du nombre d'individus 900

## Données

Activité de la base Data collection completed

Type de données recueillies Declarative data  
Administrative data

Données déclaratives, précisions Phone interview

Détail des données déclaratives recueillies The questionnaire used for the phone interview have 115 items. It comprises 7 general chapters: the individual socio-economic characteristics (education level, employment status, socioprofessional category, financial difficulties during lockdown), housing, equipment, environment close to the habitat occupied during the lockdown, the exposure to the epidemic, the psychological state (stress, anxiety, social relationships and activities during lockdown), the addictive behaviors and lifestyle, nutritional status and physical activity, as well as the healthcare use. Two specific chapters deal with potentially vulnerable sub-populations: the children health reported by the co-enrolled parent and intimate partner violence. The study main outcome is the level of stress since the beginning of the confinement period measured on a scale from 0 (total absence of stress) to 10 (maximum imaginable stress).

Données administratives, précisions Commune, postcode and residential major district

Existence d'une biothèque No

Paramètres de santé étudiés Health event/morbidity  
Health care consumption and services

Consommation de soins, précisions Medical/paramedical consultation

## Modalités

Mode de recueil des données In the course of progressive deconfinement, a one-shot telephonic cross-sectional survey conducted

on a 900 individuals sample drawn from the Reunionese population has been implemented since May 13, 2020, to describe the participants state of health according to their socioeconomic characteristics.

#### Nomenclatures employées

Common nomenclatures: major district, typology of reunionese major districts deprivation level and socioprofessional category by the Insee. Special nomenclatures: to promote the comparison of findings between epidemiological studies, shared items were chosen from national research (Epidemic) and regional research (Confin-Aou): sociodemography, living and working conditions during the lockdown event, exposure to the SARS-Cov-2 epidemic, psychologic impact and addictive behaviours.

#### Procédures qualité utilisées

This study was designed and conducted by the clinical investigation center of la Réunion (CIC1410). Phone data collection layed on its survey platform comprising 3 creole-speaking investigators. This platform was reinforced by the enrollment of 2 temporary workers. The database development was done by a datamanager of the team using the Ennov Clinical ® software. Data hosting is ISO 9001:2008 certified. It integrates its customers' applications in a datacenter located on two mirror sites (Poitiers and Roubaix) offering optimal security conditions. Access to the datacenter is strictly controlled, uninterrupted power supply is guaranteed, weather conditions are controlled and a fire safety system is included (regularly updated and checked). The servers are protected by a firewall and an updated anti-virus system. Customer data is managed in strict compliance with the rules of confidentiality, access is controlled by SSL certificate and all exchanges are encrypted. Ennov Clinical® complies with FDA recommendations regarding "Guidance for computerized systems used in clinical trials", electronic signature ( 21 CFR Part 11?) and international standards for health data hosting. In the Ré-Conf-ISS study, access to the database is secured (personal identifier and password) with different levels of security depending on the roles assigned to users. The data are entered on the eCRF (CS Online module Ennov Clinical® software) by data entry operators of the CIC. A data entry guide is made available to operators. A data validation plan, jointly defined between the coordinating investigator and the Methodology and Data Management center, will be developed and will describe in detail the controls to

be executed for each variable. The quality control of data being entered will be exhaustive. Once the entry is made, the consistency of the data will be checked, errors, omissions or inconsistencies will be mentioned (CS Tests module). The data freeze / thaw process will be performed in accordance with the procedure implemented in the Center for Methodology and Data Management.

Suivi des participants No

#### Pathologie suivies

Appariement avec des sources administratives No

#### Valorisation et accès

Valorisation et accès

Lien vers le document [Note-de-synthese\\_Re-Conf-ISS\\_vf.pdf](#)

Description Preliminary results of the Re-Conf-ISS study:  
Summary note

Lien vers le document [ijerph-19-13932-v2.pdf](#)

Description Main article of the study for international valorisation

#### Accès

Existence d'un document qui répertorie les variables et les modalités de codage Yes

Charte d'accès aux données (convention de mise à disposition, format de données et délais de mise à disposition) To define

Accès aux données agrégées Access on specific project only

Accès aux données individuelles Access on specific project only