

ERAES - Longitudinal study in French Guiana: "Ecology of antibiotic resistance to Escherichia coli and Staphylococcus aureus in the commensal flora"

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General

Identification

Detailed name Longitudinal study in French Guiana: "Ecology of antibiotic resistance to Escherichia coli and Staphylococcus aureus in the commensal flora"

Sign or acronym ERAES

CNIL registration number, number and date of CPP agreement, AFSSAPS (French Health Products Safety Agency) authorisation

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General Aspects

Medical area Infectious diseases

Health determinants Medicine

Keywords effect, antibiotics, microorganisms, target bacteria and yeast, commensal flora, ecology, dissemination, health events, prescriptions, progression, environment

Scientific investigator(s) (Contact)

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Collaborations

Participation in projects, networks and consortia	Yes
Details	Involvement in cohort: neither the ERAES project nor a cohort that is part of a European network. All consortium members are French. However, a Dutch team (PR A. VAN BELKUM, UNIVERSITE ERASME) is involved with the project given its scientific competency in the blind analysis of DNA polymorphism in Amerindians included in the cohort. This association and its procedures were approved by the Bordeaux Ethical Research Committee.
Funding	
Funding status	Public
Details	ANR, AFSSET, INSERM
Governance of the database	
Sponsor(s) or organisation(s) responsible	Institut National de la Santé et de la Recherche Médicale
Organisation status	Public
Additional contact	
Main features	
Type of database	
Type of database	Study databases
Study databases (details)	Longitudinal study (except cohorts)
Database recruitment is carried out by an intermediary	A population file
Database recruitment is carried out as part of an interventional study	No
Additional information regarding sample selection.	Retrospective Other bodies active in creating this cohort: CHU, CHG, Wayampi Amerindians residing in Trois-Sauts (except Guiana) already included in the ERAES AMERINDIENS project.
Database objective	
Main objective	General objective: to monitor the changes in bacterial resistance and yeast colonisation in the

commensal flora in a cohort of 157 Amerindians living in Trois-Sauts during rapid cultural transition. Secondary objective: to measure the changes in impact on bacterial resistance and yeast colonisation in the environment (animals, earth, water) during the same period.

Inclusion criteria Adults living in Guiana

Population type

Age Adulthood (19 to 24 years)
Adulthood (25 to 44 years)
Adulthood (45 to 64 years)

Population covered General population

Gender Male
Woman

Geography area Departmental

French regions covered by the database Guyane

Detail of the geography area Guiana

Data collection

Dates

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

Date of last collection (YYYY or MM/YYYY) 06/2012

Size of the database

Size of the database (number of individuals) < 500 individuals

Details of the number of individuals 165

Data

Database activity Current data collection

Type of data collected Clinical data
Biological data

Clinical data (detail)	Direct physical measures Medical registration
Details of collected clinical data	Clinical examination at baseline and during follow-up. Information collected during clinical examination: antibiotic consumption - lifestyle - medical events. Provided by the nurse on duty at Trois-Sauts or the head of the village.
Biological data (detail)	Type of samples taken: - cells, nasal swab, saliva.
Presence of a biobank	Yes
Contents of biobank	Blood cells isolated DNA
Details of biobank content	DNA bank, collection of bacterial strains
Health parameters studied	Health event/morbidity Health event/mortality
Procedures	
Data collection method	Interview: input from a paper questionnaire Biological examinations: handwritten
Quality procedure(s) used	Request for consistency after data is processed electronically Missing data is managed by returning to source file or third party Subjects contacted again for follow-up visits Internal quality audits carried out during each campaign to obtain samples Patients are informed of the use of their data
Participant monitoring	Yes
Details on monitoring of participants	18 months/2 years
Links to administrative sources	Yes
Linked administrative sources (detail)	Details on database(s) used: health records from village residents kept by the health centre.
Promotion and access	
Promotion	
Access	
Terms of data access (charter for data provision, format of data, availability delay)	To be decided if data may be used by academic teams Access conditions for data use: possible for teams not belonging to a consortium only after project

submission and approval by the cohort Scientific Council.

Any possible additional analyses on stored samples shall be carried out after Ethical Research Committee approval obtained by the cohort Scientific Committee while preserving the anonymity of those involved.

Data may not be used by industrial teams.

Access to aggregated data	Access on specific project only
Access to individual data	Access on specific project only