

# IMPACT-VECTOR - Evaluation and prediction of the impact of vector-borne diseases (malaria plasmodium falciparum and arboviruses) among French military personnel during short-duration missions (4 months) in inter-tropical Africa

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Last update : 11/01/2017 | Version : 2 | ID : 60001

## General

### Identification

Detailed name Evaluation and prediction of the impact of vector-borne diseases (malaria plasmodium falciparum and arboviruses) among French military personnel during short-duration missions (4 months) in inter-tropical Africa

Sign or acronym IMPACT-VECTOR

### General Aspects

Medical area Infectious diseases

Health determinants Geography  
Occupation

Keywords Antibodies, antigens, malaria, plasmodium falciparum, arbovirus

### Scientific investigator(s) (Contact)

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### Collaborations

## Funding

Funding status Public

Details Délégation générale de l'armement  
Service de santé des armées

## Governance of the database

Sponsor(s) or organisation(s) responsible Université de la Méditerranée (Aix-Marseille II)

Organisation status Public

Sponsor(s) or organisation(s) responsible Centre National de la recherche scientifique (CNRS)

Organisation status Public

Sponsor(s) or organisation(s) responsible Institut de recherche pour le développement (IRD)

Organisation status Public

## Additional contact

## Main features

## Type of database

Type of database Study databases

Study databases (details) Cohort study

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. Prospective Inclusion cut-off date: 01/06/2007

## Database objective

Main objective General objective: To identify human and environmental determinants of French military personnel exposure to plasmodium falciparum malaria during short-duration missions (4 months) in inter-tropical Africa. Secondary objective: - To identify human and environmental determinants of

French military personnel exposure to arboviruses during short-duration missions (4 months) in inter-tropical Africa - To identify human and environmental determinants of French military personnel exposure to malaria vector bites (s.s. *Anopheles gambiae*) and arboviruses (*Aedes aegypti*) during short-duration missions (4 months) in inter-tropical Africa..

#### Inclusion criteria

Belonging to a military company taking part in short-duration missions (4 months) in inter-tropical Africa. Agreeing to participate in the study (questionnaires and blood tests).

### 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  
International

Detail of the geography area  
21 centres in the following countries: Senegal, Côte d'Ivoire, Gabon, Chad, Central African Republic and Congo.

### Data collection

#### Dates

Date of first collection (YYYY or MM/YYYY)  
02/2004

Date of last collection (YYYY or MM/YYYY)  
11/2007

#### Size of the database

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

Details of the number of individuals  
1000

### Data

Database activity  
Data collection completed

Type of data collected	Declarative data Biological data
Declarative data (detail)	Paper self-questionnaire Face to face interview
Biological data (detail)	Serum
Presence of a biobank	Yes
Contents of biobank	Serum
Details of biobank content	Serum bank
Health parameters studied	Health event/morbidity Health event/mortality

## Procedures

Data collection method	- Self-administered questionnaire and interview: from a paper questionnaire (manual input). - Biological analysis: direct input
Participant monitoring	Yes
Details on monitoring of participants	4 months
Links to administrative sources	Yes
Linked administrative sources (detail)	Remotely sensed data (satellite) stored on web-based databases.

## Promotion and access

### Promotion

Link to the document	<a href="http://www.hal.inserm.fr/IMPACT-VECTOR">http://www.hal.inserm.fr/IMPACT-VECTOR</a>
Description	List of publications in HAL
Link to the document	<a href="http://tinyurl.com/Pubmed-IMPACT-VECTOR">http://tinyurl.com/Pubmed-IMPACT-VECTOR</a>
Description	List of publications in Pubmed

### Access

Terms of data access (charter for data provision, format of data, availability delay)	Use of data by academic and industrial teams to be decided.
Access to aggregated data	Access on specific project only

Access to individual data

Access on specific project only