

# **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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## 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
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Sign or acronym	IMPACT-VECTOR
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### General Aspects

Medical area	Infectious diseases
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Health determinants	Geography Occupation
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Keywords	Antibodies, antigens, malaria, plasmodium falciparum, arbovirus
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### Scientific investigator(s) (Contact)

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Unit	Unité de recherche en biologie et épidémiologie parasitaires (équipe membre de l'UMR 6236, unité de recherche en maladies infectieuses et tropicales émergentes - URMITE) Ministère de la Défense.
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### Collaborations

## Funding

Funding status	Public
Details	Délégation générale de l'armementService de santé des armées
<b>Governance of the database</b>	
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
<b>Additional contact</b>	
<b>Main features</b>	
<b>Type of database</b>	
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
<b>Database objective</b>	
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)
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Population covered	General population
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Gender	Male Woman
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Geography area	International
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Detail of the geography area	21 centres in the following countries: Senegal, Côte d'Ivoire, Gabon, Chad, Central African Republic and Congo.
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#### Data collection

#### Dates

Date of first collection (YYYY or MM/YYYY)	02/2004
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Date of last collection (YYYY or MM/YYYY)	11/2007
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#### Size of the database

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

Database activity	Data collection completed
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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
<b>Procedures</b>	
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.
<b>Promotion and access</b>	
<b>Promotion</b>	
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
<b>Access</b>	
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