

# 3LABOS - To Improve Infectious Disease Surveillance in France by Automated Biological Data Extraction from 3 Laboratories

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## General

### Identification

Detailed name To Improve Infectious Disease Surveillance in France by Automated Biological Data Extraction from 3 Laboratories

Sign or acronym 3LABOS

CNIL registration number, number and date of CPP agreement, AFSSAPS (French Health Products Safety Agency) authorisation 1415428 v0

### General Aspects

Medical area Biology  
Infectious diseases

Keywords infectious diseases, laboratory test data, automated extraction, surveillance

### Scientific investigator(s) (Contact)

Name of the director Dubois

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Organization Institut de veille

### Collaborations

### Funding

Funding status Public

Details French Institute for Public Health Surveillance (InVS)

Governance of the database	
Sponsor(s) or organisation(s) responsible	InVS
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 selection of health institutions and services
Database recruitment is carried out as part of an interventional study	No
Additional information regarding sample selection.	Patients fulfilling the exclusion criteria.
Database objective	
Main objective	<p>Surveillance of infectious diseases through regular automated transfer of biological results from specialist biology laboratories to InVS.</p> <p>To improve the surveillance of certain infectious diseases already monitored by another system:</p> <ul style="list-style-type: none"> <li>o To supplement surveillance data from other sources and to estimate completeness (particularly MDO).</li> </ul> <p>? To implement a sustainable monitoring system for unmonitored diseases as well as:</p> <ul style="list-style-type: none"> <li>o Monitoring spatial and temporal trends of targeted pathogens;</li> <li>o Providing individual data;</li> <li>o Contributing to epidemic investigations;</li> <li>o Identifying active movement areas.</li> </ul>
Inclusion criteria	Individuals who have had biological samples taken for the following diseases: measles, chikungunya, dengue fever, tuberculosis, syphilis, Q fever, tick-borne encephalitis, leptospirosis, Lyme disease, psittacosis, toxoplasmosis. (CNIL file in progress for: hepatitis E, hepatitis A, rubella, lead poisoning,

gonorrhoea and chlamydia).

## Population type

Age	Newborns (birth to 28 days) Infant (28 days to 2 years) Early childhood (2 to 5 years) Childhood (6 to 13 years) 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)
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Population covered	General population
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Gender	Male Woman
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Geography area	National
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Detail of the geography area	France
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## Data collection

### Dates

Date of first collection (YYYY or MM/YYYY)	2012
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### Size of the database

Size of the database (number of individuals)	Greater than 20 000 individuals
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Details of the number of individuals	---
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### Data

Database activity	Current data collection
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Type of data collected	Biological data Administrative data
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Biological data (detail)	Lab name, disease, laboratory test results: serology tests, CRP, etc. according to disease.
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Administrative data (detail)	Patient data: anonymity code, date of birth, sex, post code, sample identifier. Laboratory: company name, address, post code, municipality, phone. Prescriber: surname, first name, address, post
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code, municipality, phone.

Presence of a biobank	No
Health parameters studied	Health care consumption and services Others
Care consumption (detail)	Medical/paramedical consultation
Other (detail)	Biological test results.

## Procedures

Data collection method	Automated data extraction from 3 laboratories to InVS. Receipt of files per laboratory and disease at determined intervals (daily or monthly).
Quality procedure(s) used	Consistency controls during data transmission, statistical programmes.

Participant monitoring Yes

Details on monitoring of participants Improved surveillance and investigations may be implemented for positive cases in relation to regional InVS units (CIREs), according to the monitored disease.

Links to administrative sources Yes

Linked administrative sources (detail) The individual anonymity code from the 3Labos database is the same code used for obligatory notification.

## Promotion and access

### Promotion

### Access

Terms of data access (charter for data provision, format of data, availability delay) Contact the scientist in charge/Send data request form to InVS.