# Residential environment and coronary heart disease

Head: CHAIX Basile, UMR-S 707 - Université Pierre et Marie Curie Paris 6

Last update: 02/28/2014 | Version: 2 | ID: 60136

## General

### Identification

<table>
<thead>
<tr>
<th>Detailed name</th>
<th>Residential environment and coronary heart disease</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNIL registration number, number and date of CPP agreement, AFSSAPS (French Health Products Safety Agency) authorisation</td>
<td>CNIL: 16/03/2007</td>
</tr>
</tbody>
</table>

## General Aspects

### Medical area

Cardiology

### Health determinants

Geography

### Keywords

Health care use, dental health, spirometry, urban environment, healthcare system, SNIIRAM, morbidity, PMSI, mortality, RNIPP, CEPIDC, mental health, health

## Scientific investigator(s)

### Name of the director

CHAIX

### Surname

Basile

### Address

75012 PARIS

### Phone

+33 (0)1 44 73 86 64

### Email

chaix@u707.jussieu.fr

### Unit

UMR-S 707 - Université Pierre et Marie Curie Paris 6

### Organization

INSERM

## Collaborations

## Funding

### Funding status

Public
### Details
- L'Agence Nationale de la Recherche (ANR) (programme Santé - Environnement 2005); - L'institut de recherche en santé publique (IReSP) et l'institut national de prévention et d'éducation à la santé (INPES) (appel à projets "prévention"); - La direction régionale de la jeunesse et des sports d'Île-de-France; - L'institut de recherche en santé publique (IReSP) et les ministères de la santé et de la recherche (programme TGIR); - L'institut de recherche en santé publique (IReSP) et l'institut de veille sanitaire (InVS) (appel à projets territoires).

### Governance of the database

<table>
<thead>
<tr>
<th>Sponsor(s) or organisation(s) responsible</th>
<th>INSERM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Organisation status</td>
<td>Public</td>
</tr>
</tbody>
</table>

### Additional contact

### Main features

#### Type of database

<table>
<thead>
<tr>
<th>Type of database</th>
<th>Study databases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Study databases (details)</td>
<td>Cohort study</td>
</tr>
</tbody>
</table>

**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.**
- Prospective. Other organizations active in the constitution of the cohort: Paris preventive and clinical investigation centers. End of inclusions: 01/02/2008

### Database objective

**Main objective**
- The main objective of the project is to describe geographical disparities of the coronary risk, to examine if environment characteristics (socio-demographic factors, physical environment, equipment, services and social interaction environment) are associated to the coronary disease and its risk factors, and to identify the mechanism at work taking into account experiences in the neighbourhood, knowledge/beliefs and people's health behaviours.
Secondary objective: Generally, Record cohort will allow to study in a comprehensive manner the existing relations between geographic life environment and several health variables (mental health, dental health, health care use).

<table>
<thead>
<tr>
<th>Inclusion criteria</th>
<th>Coming for an health examination in one of the 4 sites of the preventive and clinical investigation center; being between 30 and 79 years old; residing in one of the 123 selected Île-de-France towns.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Population type</th>
<th></th>
</tr>
</thead>
</table>
| Age                 | Adulthood (25 to 44 years)  
Adulthood (45 to 64 years)  
Elderly (65 to 79 years) |

<table>
<thead>
<tr>
<th>Population covered</th>
<th>General population</th>
</tr>
</thead>
</table>

| Gender              | Male  
Woman |
|---------------------|--------|

<table>
<thead>
<tr>
<th>Geography area</th>
<th>Regional</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>French regions covered by the database</th>
<th>Île-de-France</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Detail of the geography area</th>
<th>123 Île-de-France towns via 4 centers</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Data collection</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Dates</td>
<td></td>
</tr>
<tr>
<td>Date of first collection</td>
<td>03/2007</td>
</tr>
<tr>
<td>Date of last collection</td>
<td>2013</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Size of the database</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Size of the database</td>
<td>[1000-10 000] individual</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Details of the number of individuals</th>
<th>7293</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Data</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Database activity</td>
<td>Data collection completed</td>
</tr>
</tbody>
</table>
| Type of data collected | Clinical data  
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Declarative data</td>
</tr>
</tbody>
</table>
| Clinical data (detail) | Direct physical measures  
|                        | Medical registration |
| Details of collected clinical data | Clinical examination at inclusion and during the follow-up. Information collected during the clinical examination: haematological evaluation, urine tests, electrocardiogram, blood pressure, anthropometric measures, spirometry, dental exam, visiotest |
| Declarative data (detail) | Paper self-questionnaire |
| Details of collected declarative data | Clinical examination at inclusion and during the follow-up. Information collected during the clinical examination: haematological evaluation, urine tests, electrocardiogram, blood pressure, anthropometric measures, spirometry, dental exam, visiotest |
| Presence of a biobank | No |
| Health parameters studied | Health event/morbidity  
|                        | Health event/mortality  
|                        | Health care consumption and services |
| Care consumption (detail) | Hospitalization  
|                        | Medical/paramedical consultation  
|                        | Medicines consumption |
| Procedures | |
| Data collection method | Self-questionnaire: manually entered paper questionnaire with double data entry. Clinical examinations: direct entry. Biological examinations direct entry |
| Quality procedure(s) used | Coherence request during and after computer data entry. Missing data asked back to the patient. Subjects remainders for follow-up visits. Written patients information concerning the use of their data. |
| Participant monitoring | Yes |
| Details on monitoring of participants | (undefined period) |
| Links to administrative sources | Yes |
| Linked administrative sources | PMSI, SNIIRAM, CépiDIC |
## Promotion and access

### Promotion

<table>
<thead>
<tr>
<th>Link to the document</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><a href="http://www.hal.inserm.fr/RECORD">http://www.hal.inserm.fr/RECORD</a></td>
<td>List of publications in HAL</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Link to the document</th>
<th>Description</th>
</tr>
</thead>
</table>

### Access

| Terms of data access (charter for data provision, format of data, availability delay) | Data utilization by academic teams are currently being defined. Data utilization not allowed for industry sectors. |
| Access to aggregated data | Access on specific project only |
| Access to individual data | Access on specific project only |