# EXPRESA - EXacerbation PREdictive factors in Severe Asthma - Cohort on Predictive Exacerbation Factors in Severe Asthmatics

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## General

### Identification

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|---|---|
| Detailed name | Cohort on Predictive Exacerbation Factors in Severe Asthmatics |
| Sign or acronym | EXPRESA - EXacerbation PREdictive factors in Severe Asthma |
| CNIL registration number, number and date of CPP agreement, AFSSAPS (French Health Products Safety Agency) authorisation | CNIL |

### General Aspects

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|---|---|
| Medical area | Study of allergies |
| Health determinants | Genetic<br>Medicine |
| Keywords | marker, lymphocyte population, predictive factors |

### Scientific investigator(s) (Contact)

| | |
|---|---|
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| Unit | UMR 915: l'Institut du thorax |
| Organization | CHU Nantes ; Institut national de la santé et de la recherche médicale - |

### Collaborations

| Funding | |
|---|---|
| Funding status | Public |
| Details | Interregional PHRC 2007, INSERM programme Avenir |
| **Governance of the database** | |
| Sponsor(s) or organisation(s) responsible | CHU Nantes |
| Organisation status | Public |
| Sponsor(s) or organisation(s) responsible | Institut national de la santé et de la recherche médicale - Inserm |
| 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 selection of health institutions and services |
| Database recruitment is carried out as part of an interventional study | No |
| **Database objective** | |
| Main objective | To validate exacerbation prediction in certain lymphocyte populations by comparing markers already identified (NO, EEI), based on factors that do or do not cause infection. |
| Inclusion criteria | - Male and female;<br>- Adult;<br>- Severe asthmatic. |
| **Population type** | |
| Age | Adulthood (19 to 24 years)<br>Adulthood (25 to 44 years)<br>Adulthood (45 to 64 years) |

| | |
|---|---|
| Population covered | Sick population |
| Gender | Male<br>Woman |
| Geography area | Regional |
| French regions covered by the database | Pays de la Loire |
| Detail of the geography area | Pays de la Loire - 6 centres. |

## Data collection

### Dates

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|---|---|
| Date of first collection (YYYY or MM/YYYY) | 2007 |
| Date of last collection (YYYY or MM/YYYY) | 2010 |

### Size of the database

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|---|---|
| Size of the database (number of individuals) | < 500 individuals |
| Details of the number of individuals | 45 |

### Data

| | |
|---|---|
| Database activity | Data collection completed |
| Type of data collected | Clinical data<br>Declarative data |
| Clinical data (detail) | Medical registration |
| Details of collected clinical data | Measurement of respiratory function. |
| Declarative data (detail) | Paper self-questionnaire |
| Details of collected declarative data | -- |
| Presence of a biobank | No |
| Health parameters studied | Health event/morbidity |

### Procedures

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| Data collection method | Samples are taken, respiratory function is assessed and questionnaires are completed during each visit. Immunomonitoring is systematically carried out. Exacerbations caused by viral infections shall be documented by testing for main causal viruses. Identifying predictive exacerbation markers in severe asthmatics may subsequently allow the relevance of treatment based on these markers to be tested, with the aim to prevent exacerbations. |
| Participant monitoring | Yes |
| Details on monitoring of participants | Monthly follow-up for one year. |
| Links to administrative sources | No |

## Promotion and access

### Promotion

### Access

| | |
|---|---|
| Terms of data access (charter for data provision, format of data, availability delay) | Contact the person in charge. |
| Access to aggregated data | Access on specific project only |
| Access to individual data | Access on specific project only |