

# CADEUS - Cox-2 and tNSAIDs: Description of users

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## General

### Identification

Detailed name Cox-2 and tNSAIDs: Description of users

Sign or acronym CADEUS

CNIL registration number, number and date of CPP agreement, AFSSAPS (French Health Products Safety Agency) authorisation CCTI-RS 03.135, CNIL 903102

### General Aspects

Medical area General practice  
Rheumatology

Health determinants Iatrogenic

Others (details) Use of Cox-2 and traditional NSAIDs

Keywords Celebrex, NSAIDs, traditional non-steroidal anti-inflammatory drugs, gastroprotective drugs, cardiovascular events, gastrointestinal events, health authorities (Comité Economique des Produits de Santé), Cyclo-oxygenase 2, coxibs, Vioxx, use, pharmacoepidemiology, cohort, Department of Pharmacology, Bordeaux

### Scientific investigator(s) (Contact)

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## Collaborations

## Funding

|                |       |
|----------------|-------|
| Funding status | Mixed |
|----------------|-------|

|         |   |
|---------|---|
| Details | Laboratoire Merck Sharp et laboratoire Pfizer<br>(soutiens inconditionnels) - Merck Sharp and Pfizer<br>(unconditional support) |
|---------|---|

## Governance of the database

|                               |        |
|-------------------------------|--------|
| Sponsor(s) or organisation(s) | INSERM |
|-------------------------------|--------|

responsible

Organisation status

Public

Additional contact

Main features

Type of database

Additional information regarding sample selection.

Patients who received between August 2003 and June 2004 dispensation of a coxib or tNSAID were randomly selected from the CNAM-TS database using the following criteria: not dead according to information in the ERASME database, living in metropolitan France with a valid address; having had a dispensation of an NSAID of interest during the month preceding selection; with at least one healthcare reimbursement within six months preceding the date of dispensation; for whom the contact details of the prescribing physician were available,; not previously selected from the source population; not being listed as a subject under guardianship or in prison.

Database objective

Main objective

The objective of this study was to better understand the use of anti-inflammatory drugs, cyclo-oxygenase 2 (COX-2) or coxib (Vioxx®, Celebrex®) and traditional anti-inflammatory drugs (tNSAIDs, e.g. Aspirin, Ibuprofen) in France and to describe and assess the risks of adverse events possibly related to treatment.

Inclusion criteria

Patient randomly selected from the source population using the following criteria: not dead according to the ERASME database, living in France with a valid address, with dispensation of an NSAIDs of interest during the month preceding selection, with at least one healthcare reimbursement within six months preceding the date of dispensation, for whom the contact details of the prescribing physician were available, not previously selected from the source population, not being listed under guardianship or in prison; patient agreeing to participate in the study

Population type

Age

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)

Population covered Sick population

Gender Male  
Woman

Geography area National

Detail of the geography area Metropolitan France

## Data collection

### Dates

Date of first collection (YYYY or MM/YYYY) 2003

Date of last collection (YYYY or MM/YYYY) 2005

### Size of the database

Size of the database (number of individuals) Greater than 20 000 individuals

Details of the number of individuals 45 217 patients inclus - 45 217 patients included

### Data

Database activity Data collection completed

Type of data collected Clinical data  
Declarative data  
Administrative data

Clinical data (detail) Direct physical measures

Declarative data (detail) Paper self-questionnaire

Administrative data (detail) Name, address and telephone number of the patient, the prescribing physician, the general practitioner.

Presence of a biobank No

Health parameters studied Health event/morbidity  
Health event/mortality  
Health care consumption and services

|   |   |
|---|---|
| Care consumption (detail)   | Hospitalization<br>Medical/paramedical consultation<br>Medicines consumption  |
| <b>Procedures</b>   |   |
| Data collection method  | A self-administered questionnaire sent to each selected patient and prescriber of the NSAID of interest, has allowed the collection of the information requested by Comité Economique des Produits de Santé. For patients agreeing to participate in the study, healthcare reimbursement data for six months before and six months after the reference date (dispensation date of NSAID of interest) were retrieved from the CNAM-TS database. Hospitalizations for cardiovascular events or digestive having occurred between the reference date and the date of questionnaire completion have been documented (retrieval of hospital discharge summaries by a CRA from the prescribing physician or general practitioner with return to the Department of Pharmacology by post). The reason for hospitalization was subsequently validated by a committee blinded to the NSAID of interest and according to predefined diagnostic criteria. |
| Participant monitoring  | No  |
| Links to administrative sources   | Yes   |
| Linked administrative sources (detail)  | Extraction from the ERASME database of the CNAM-TS  |
| <b>Promotion and access</b>   |   |
| <b>Promotion</b>  |   |
| Link to the document  | <a href="http://www.ncbi.nlm.nih.gov/pubmed?term">http://www.ncbi.nlm.nih.gov/pubmed?term</a>   |
| <b>Access</b>   |   |
| Terms of data access (charter for data provision, format of data, availability delay) | The confidential study reports were submitted to the pharmaceutical companies. The study reports and scientific communications (posters, articles, ...) are validated by the study Scientific Committee. Ownership of study data was the subject of an agreement between the University Bordeaux Segalen and pharmaceutical companies. Terms for third-party access to the database are to be defined.  |
| Access to aggregated data   | Access on specific project only   |

Access to individual data

Access on specific project only