Impact of the COVID-19 pandemic on medical care: Analysis of medico-administrative data (COVID-HOSP)

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Study Ongoing

Administrative details

EU PAS number

EUPAS40492

Study ID

43413

DARWIN EU® study

No

Study countries

France

Study description

This project aims to evaluate the impact of the COVID-19 epidemic on the French health ecosystem by measuring changes in terms of healthcare utilization, healthcare consumption, in-hospital morbidity and mortality, out-of-hospital mortality, and the duration and costs of hospital stays. The analysis will be performed in the general population and in several populations of interest, using French National Health Data System.

Study status

Ongoing

Research institutions and networks

Institutions

Institut National d'Etudes Démographiques

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Institution

Contact details

Study institution contact

Tristan DELORY tdelory@ch-annecygenevois.fr

Study contact

tdelory@ch-annecygenevois.fr

Primary lead investigator

Tristan DELORY

Primary lead investigator

Study timelines

Date when funding contract was signed
Planned: 29/09/2020

Actual: 29/09/2020

Study start date
Planned: 01/09/2021

Actual: 01/09/2021

Date of final study report
Planned: 31/12/2022

Sources of funding

- Other

More details on funding

Direction Générale de l'Offre de Soin (DGOS)

Regulatory

Was the study required by a regulatory body?

No

Is the study required by a Risk Management Plan (RMP)?

Not applicable

Methodological aspects

Study type

Study type list

Study type:

Not applicable

Scope of the study:

Other

If ‘other’, further details on the scope of the study

Public Health

Main study objective:

To describe changes in health care utilization and consumption, in-hospital morbidity and mortality, out-of-hospital mortality, length of stay and cost of hospital stays, in the general population, during the COVID-19 epidemic.

Population studied

Age groups

- Preterm newborn infants (0 – 27 days)

- Term newborn infants (0 – 27 days)
- Infants and toddlers (28 days – 23 months)
- Children (2 to < 12 years)
- Adolescents (12 to < 18 years)
- Adults (18 to < 46 years)
- Adults (46 to < 65 years)
- Adults (65 to < 75 years)
- Adults (75 to < 85 years)
- Adults (85 years and over)

Estimated number of subjects

66.000.000

Study design details

Outcomes

Describe the impact on the use and consumption of care, in-hospital morbidity and mortality, out-of-hospital mortality, length of stay and cost of stays Compare the impact on the use and consumption of care according to confinement phases Determine the frequency of poor prognosis associated with the epidemic Identify determinants associated with mortality Analyze the cost associated

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Data analysis plan

The statistical methods will depend on the specific questions for each sub-population studied. A detailed statistical analysis plan will be drafted before conducting the analyses.

Data management

ENCePP Seal

The use of the ENCePP Seal has been discontinued since February 2025. The ENCePP Seal fields are retained in the display mode for transparency but are no longer maintained.

Data sources

Data sources (types)

Other

Data sources (types), other

The French National Health Data System links health insurance data, hospital data, medical causes of death, data on disability, a sample of data from complementary health insurance organizations.

Use of a Common Data Model (CDM)

CDM mapping

No

Data quality specifications

Check conformance

Unknown

Check completeness

Unknown

Check stability

Unknown

Check logical consistency

Unknown

Data characterisation

Data characterisation conducted

No