

# PIANO COVID-19 - Effect of organizational measures to prevent and control COVID-19 infection in nursing homes on the risk of death of residents during and after the epidemic period - PIANO COVID-19

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## General

### Identification

Detailed name Effect of organizational measures to prevent and control COVID-19 infection in nursing homes on the risk of death of residents during and after the epidemic period - PIANO COVID-19

Sign or acronym PIANO COVID-19

### General Aspects

Medical area Geriatrics

Study in connection with Covid-19 Yes

### Scientific investigator(s) (Contact)

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Organization GERIATRIC UNIT TOULOUSE UNIVERSITY HOSPITAL

### Collaborations

Participation in projects, networks and consortia Yes

### Funding

Funding status Public

Details DGOS (General Directorate of Healthcare Supply) funding

## Governance of the database

Sponsor(s) or organisation(s) responsible Toulouse University Hospital

Organisation status Public

Presence of scientific or steering committees No

## Additional contact

Name of the contact PENNETIER

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## 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 The main objective is to compare the occurrence of global death of residents during a 1-year period (from January 2020 to December 2020) in NH and LTCU with a high level of implementation of the recommendation/guidance to prevent and control COVID-19 NH/LTCU residents' infection and NH and LTCU with a low level of implementation of the recommendation/guidance to prevent and control COVID-19 NH/LTCU.

The secondary objectives are:

- To compare the rate of death related to confirmed or suspected COVID cases in NH/LTCU with a high level of implementation of the recommendation/guidance to prevent and control COVID-19 NH/LTCU residents' infection and NH/LTCU with a low level of implementation of the recommendation/guidance to prevent and control COVID-19 NH/LTCU.
- To compare the rate of death not related to COVID cases in NH/LTCU with a high level of implementation of the recommendation/guidance to prevent and control COVID-19 NH/LTCU residents' infection and NH/LTCU with a low level of implementation of the recommendation/guidance to prevent and control COVID-19 NH/LTCU.
- To analyze the incidence of serious health events (deaths, hospitalizations) and the occurrence of COVID in residents (vaccinated and unvaccinated), in NHs and LTCUs in France during a 12-month (2021) observation period.
- To analyze the occurrence of COVID in residents (vaccinated and unvaccinated), in NHs and LTCUs in France according to the rate of vaccination against COVID among the NH's/LTCU's staff during the same observational period.

From an economic perspective:

- To assess the economic impact of the implementation of prevention measures applied by nursing homes staff, from healthcare system and the NH perspectives, 6, and 12 months before and 6, 12 months to 24 months after the implementation of the preventive measures.
- To assess the economic impact of the vaccination among residents and NH's staff, from healthcare system and the NH perspectives, 6 and 12 months before and after the vaccination campaign. These data will also provide indirect economic information about the tolerance of the vaccination.
- To assess the efficiency of the high level implementation of the recommendation to prevent and control COVID-19 in comparison with the low level implementation of recommendation to prevent and control COVID-19, using a cost-effectiveness analysis at 12 and 24 months.
- To assess the efficiency of the vaccination, at 6 and 12 months, among residents and healthcare professionals in comparison with no vaccination, using a cost-effectiveness analysis

Inclusion criteria

NHs and LTCU volunteers to participate from different region of France (from low impacted to

highly impacted region) will be welcomed.  
NON-INCLUSION CRITERIA  
NHs or LTCUs that refuse to participate.

## Population type

Age  
Elderly (65 to 79 years)  
Great age (80 years and more)

Population covered  
General population

## Pathology

Gender  
Male  
Woman

Geography area  
National

## Data collection

### Dates

Date of first collection (YYYY or MM/YYYY)  
2020

Date of last collection (YYYY or MM/YYYY)  
2021

### Size of the database

Size of the database (number of individuals)  
[500-1000[ individuals

Details of the number of individuals  
9,600 persons from 120 nursing homes (coordinating nurses or coordinating physicians).

## Data

Type of data collected  
Clinical data  
Cost data

Clinical data (detail)  
Direct physical measures

Cost data (detail)  
healthcare consumption data collected via the health insurance scheme

Presence of a biobank  
No

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

Care consumption (detail)  
Hospitalization

## Medical/paramedical consultation

### Procedures

Data collection method                      Excel file; CRF

Participant monitoring                      Yes

Details on monitoring of participants                      in 2021: vital status, GIR, and COVID vaccination data of participants will be collected

### Promotion and access

#### Promotion

#### Access