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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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

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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'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

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	