NOSO-COR Project - Multicenter study on nosocomial transmission of SARS-CoV2 virus

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Last update : 10/01/2021 | Version : 1 | ID : 73991

General

Identification

Detailed name	Multicenter study on nosocomial transmission of SARS-CoV2 virus
Sign or acronym	NOSO-COR Project
CNIL registration number, number and date of CPP agreement, AFSSAPS (French Health Products Safety Agency) authorisation	2020-A00546-33

General Aspects

Medical area	Infectious diseases
Study in connection with Covid-19	Yes
Pathology (details)	COVID-19
Health determinants	Medicine
Keywords	Covid-19, nosocomial infections

Scientific investigator(s) (Contact)

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Collaborations

Participation in projects, networks and consortia	Yes
Details	Fondation Mérieux-Réseau GABRIEL, I-MOVE-COVID-19

Funding

Details	Bill & Melinda Gates Foundation-BMGF, Reacting INSERM

Governance of the database

Sponsor(s) or organisation(s) responsible	Hospices Civils de Lyon
Organisation status	Public
Presence of scientific or steering committees	No

Additional contact

Address

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 is made	Another treatment or procedure

on the basis of:	
Database recruitment is carried out as part of an interventional study	No
Additional information regarding sample selection.	This study focused on volunteers, patients and HCPs within the participant hospitals associated with the GABRIEL network (https://www.gabriel-network.org/) and French university hospitals. Other hospitals were integrated with this project on a voluntary basis.

Database objective

Main objective	Describe and document suspected or confirmed cases of SARS-CoV2 nosocomial infections, their clinical spectrum and the determinants (risk factors / protection) at the participating hospitals.
Inclusion criteria	Any voluntary adult or child or any healthcare workers from the study participant hospital who presents an infectious syndrome including the following definitions and oral/written informed consent obtained from parent/guardian for children < 18-years-old. (upon ethical requirements at each participant site). Definitions Suspect Case: - Fever above 37.8 ° C if no antipyretics are taken; And or - Cough or pharyngeal pain or other symptom suggestive of respiratory infection. AND at least 1 of the following characteristics: - return from a trip to China, or to a country in which the increase in the incidence of infections in SARS-CoV2 has been proven; - close contact (sharing the same place of family, professional life, same plane, etc.) with a person defined as a suspected or confirmed case; - Occurring in a hospital having received at least one suspected or confirmed case of SARS-CoV2 infection. Confirmed Case - The same clinical definitions, in addition to a positive RT-PCR-type virological diagnostic result specific to SARS-CoV2.

Population type

Age	Infant (28 days to 2 years) Early childhood (2 to 5 years) Childhood (6 to 13 years) Adolescence (13 to 18 years) 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
Pathology	I - Certain infectious and parasitic diseases
Gender	Male Woman
Geography area	International
Detail of the geography area	France, Madagascar, Cote D'Ivoire, Mali, Guinea, Bangladesh, Lebanon

Data collection

Dates

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

Size of the database

Size of the database (number of individuals)	[1000-10 000[individuals
Details of the number of individuals	3221

Data

Database activity	Current data collection
Type of data collected	Clinical data Declarative data Paraclinical data Biological data
Clinical data (detail)	Medical registration
Details of collected clinical data	Symptoms, admission in ICU, ventilation,

	complications, length of stay
Declarative data (detail)	Phone interview
Details of collected declarative data	phone interview for healthcare professional only
Paraclinical data (detail)	demographic data, hygiene measures
Biological data (detail)	virological test, complete blood count, biochemical parameters
Presence of a biobank	No
Health parameters studied	Health event/morbidity Health event/mortality Health care consumption and services
Care consumption (detail)	Hospitalization Medical/paramedical consultation Medicines consumption
Procedures	
Data collection method	In this prospective study, data were from patient's medical file. Healthcare professionnal were contacted by phone to anwer the questions.
Participant monitoring	Yes
Monitoring procedures	Monitoring by crossing with a medical-administrative database
Details on monitoring of participants	Patient were follwing until the end of their hospitalization to have informations about complications after event.
Links to administrative sources	No
Promotion and access	
Promotion	
Link to the document	https://bmjopen.bmj.com/content/10/10/e039088.long
Description	Protocol for a prospective, observational, hospital-based multicentre study of nosocomial SARS-CoV2 transmission
Link to the document	https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0243709

Description	Factors associated with admission to intensive care units in COVID-19 patients in Lyon-France
Link to the document	https://onlinelibrary.wiley.com/doi/10.1002/jmv.27233
Description	Tobacco smoking and severity of COVID-19: Experience from a hospital-based prospective cohort study in Lyon-France

Access	
Presence of document that lists variables and coding procedures	Yes
Access to individual data	Access on specific project only