

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

Head :Philippe VANHEMS , Laboratoire des Pathogènes Emergents, Fondation Mérieux, / Service Hygiène, Epidémiologie et Prévention

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## 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)

Name of the director Philippe

Surname VANHEMS

Address Laboratoire des Pathogènes Emergents, Fondation Mérieux, Centre International de Recherche en Infectiologie (CIRI), INSERM U1111, CNRS, UMR5308, ENS de Lyon, UCBL1, Lyon, France  
And,  
Centre Hospitalier Hôpital Edouard Herriot ?  
Hospices Civils de Lyon  
Service Hygiène, Epidémiologie et Prévention  
5 Place d'Arsonval, 69003 Lyon, France

Phone	+33 472 110 720
Email	philippe.vanhems@chu-lyon.fr
Unit	Laboratoire des Pathogènes Emergents, Fondation Mérieux, / Service Hygiène, Epidémiologie et Prévention
Organization	Centre International de Recherche en Infectiologie (CIRI), INSERM U1111, CNRS, UMR5308, ENS de Lyon, UCBL1, Lyon, France / Centre Hospitalier Hôpital Edouard Herriot ? Hospices Civils de Lyon

## 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
<b>Data collection</b>	
<b>Dates</b>	
Date of first collection (YYYY or MM/YYYY)	2020
Date of last collection (YYYY or MM/YYYY)	2020
<b>Size of the database</b>	
Size of the database (number of individuals)	[1000-10 000[ individuals
Details of the number of individuals	3221
<b>Data</b>	
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 professional were contacted by phone to answer the questions.

Participant monitoring Yes

Monitoring procedures Monitoring by crossing with a medical-administrative database

Details on monitoring of participants Patient were following 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
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Link to the document	<a href="https://onlinelibrary.wiley.com/doi/10.1002/jmv.27233">https://onlinelibrary.wiley.com/doi/10.1002/jmv.27233</a>
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Description	Tobacco smoking and severity of COVID-19: Experience from a hospital-based prospective cohort study in Lyon-France
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## Access

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