

ComCor - Study of sociodemographic factors, behaviours and practices associated with SARS-CoV-2 infection (ComCor)

Head :Fontanet Arnaud, Emerging Diseases Epidemiology Unit

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General	
Identification	
Detailed name	Study of sociodemographic factors, behaviours and practices associated with SARS-CoV-2 infection (ComCor)
Sign or acronym	ComCor
CNIL registration number, number and date of CPP agreement, AFSSAPS (French Health Products Safety Agency) authorisation	CNIL DR-2020-337 / CPP 1-20-072 ID 9612
General Aspects	
Medical area	Infectious diseases
Study in connection with Covid-19	Yes
Pathology (details)	SARS-CoV-2, COVID-19
Health determinants	Geography Lifestyle and behavior Occupation Social and psychosocial factors
Keywords	non-pharmaceutical intervention, SARS-CoV-2, COVID-19, epidemiology, transmission, risk factors
Scientific investigator(s) (Contact)	
Name of the director	Fontanet
Surname	Arnaud
Address	25-28 rue du Dr Roux 75015 PARIS
Unit	Emerging Diseases Epidemiology Unit
Organization	Institut Pasteur

Collaborations

Participation in projects, networks and consortia	No
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Funding

Funding status	Mixed
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Details	REACTing, Institut Pasteur
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Governance of the database

Sponsor(s) or organisation(s) responsible	Institut Pasteur
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Organisation status	Private
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Presence of scientific or steering committees	Yes
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Additional contact

Name of the contact	Charmet
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Surname	Tiffany
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Address	25-28 rue du Dr Roux 75015 PARIS
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Unit	Emerging Diseases Epidemiology Unit
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Organization	Institut Pasteur
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Main features

Type of database

Type of database	Study databases
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Study databases (details)	Case control study
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Database recruitment is carried out by an intermediary	A population file An administrative base or a register
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Base or register (detail)	SI-DEP database, IPSOS file
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Database recruitment is made on the basis of:	Another treatment or procedure
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Database recruitment is carried out as part of an interventional study	No
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Additional information regarding sample selection.

- ?Index? case: The French National Health Insurance Fund (CNAM) will generate an email each week for cases identified as positive for SARS-CoV-2 by PCR the previous week in the COVID-19 screening information system database, SI-DEP). The emails will contain a generic hyperlink to the questionnaire hosted on the IPSOS institute platform. The cases will be classed as reporting transmission within the home (arm A3) or not (arm A1 if the source of infection outside the home is known, or otherwise A2).

- ?Close contact? controls: Close contact invited by the index case, living in their home, and who is not the person having infected the index case, if transmission within the home is suspected. These close contact controls will have had a negative result from a test performed in the context of contact tracing. The controls will be classed according to whether the index case inviting them has reported transmission within the home (arm B4) or not (arm B3).

- ?Close contact? cases: Contacted via the same procedure as the ?close contact? controls, but having had a positive result from a test performed in the context of contact tracing. These will be considered as cases reporting probable transmission within the home, and will be classed according to whether the index case inviting them has reported probable transmission within the home (arm B2) or not (arm B1).

- ?Distant contact? controls: Subjects invited by Ipsos, selected from institute or partner panels, not infected with COVID-19, paired with index cases by age (in age groups up to and including 68 years), gender, population density (by category) and region of residence. These constitute arm C in the diagram. IPSOS invites distant contact controls via emails generated weekly, a week after recruitment of the index cases, then selected based on the pairing criteria. The email will contain a link to the questionnaire hosted on the IPSOS institute platform.

Database objective

Main objective

Identify the sociodemographic characteristics, places frequented, and behaviours associated with a risk of SARS-CoV-2 infection.

Inclusion criteria

All subjects:

- o Adult subject
- o Having agreed to take part in the study
- o Index case:
- o Cases identified in the COVID-19 screening information system database, SIDEPE
- o With a positive test for SARS-CoV-2 by RT-PCR on a nasopharyngeal or throat swab (or any other sample for which current technology indicates active infection if positive) within the past 14 days
- o Close contact cases:
- o Living in the same household (sharing the same home) as the case having invited him/her to take part
- o With a positive test for SARS-CoV-2 by RT-PCR on a nasopharyngeal or throat swab (or any other sample for which current technology indicates active infection if positive) following contact with the index case
- o Close contact controls:
- o Living in the same household (sharing the same home) as the case having invited him/her to take part
- o With a negative test for SARS-CoV-2 by RT-PCR on a nasopharyngeal or throat swab (or any other sample for which current technology indicates active infection if positive) following contact with the index case
- o Distant contact controls:
- o Selected by IPSOS based on criteria including age, gender, and administrative department of residence (paired with index cases)

Population type

Age	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)
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Population covered	General population
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Pathology

Gender	Male Woman
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Geography area	National
Detail of the geography area	France
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)	Greater than 20 000 individuals
Details of the number of individuals	90517
Data	
Database activity	Current data collection
Type of data collected	Clinical data Declarative data Biological data
Details of collected clinical data	Presence of symptoms related to COVID-19 reported by participants
Declarative data (detail)	Internet self-questionnaire Phone interview
Details of collected declarative data	Circumstances of infection (if known), sociodemographic characteristics (age, gender, administrative department of residence, socioeconomic category, urban or rural living environment, etc.), places frequented (public transport, work, bars, restaurants, etc.) and behaviours (compliance with social distancing measures, participation in meetings, etc.).
Biological data (detail)	Result of the PCR or antigen test for COVID-19
Presence of a biobank	No
Health parameters studied	Health event/morbidity
Procedures	

Data collection method	Online self-administered questionnaire and telephone questionnaire
Quality procedure(s) used	Database management with Stata 16.0
Participant monitoring	No
Followed pathology	
Links to administrative sources	No
Promotion and access	
Promotion	
Link to the document	https://www.pasteur.fr/fr/espace-presse/documents-presse/etude-comcor-lieux-contamination-au-sars-cov-2-ou-francais-s-infectent-ils
Description	Press releaseTo be published shortly
Access	
Dedicated website	https://www.pasteur.fr/fr/sars-cov-2-covid-19-institut-pasteur/projets-recherche/etude-facteurs-sociodemographiques-comportementaux-pratiques-associes-risque-infection-sars-cov-2
Presence of document that lists variables and coding procedures	No
Terms of data access (charter for data provision, format of data, availability delay)	Methods for accessing the database are in the process of being defined
Access to aggregated data	Access on specific project only
Access to individual data	No access