COPANFLU - Cohort of 1,000 Households for H1N1 Pandemic Follow-Up

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General

Identification

Detailed name	Cohort of 1,000 Households for H1N1 Pandemic Follow-Up
Sign or acronym	COPANFLU
CNIL registration number, number and date of CPP agreement, AFSSAPS (French Health Products Safety Agency) authorisation	CPP (IDF 1) : Réf. 09-12074 (08/09/2009); Afssaps : Réf. 2009-B90987-60 (10/09/2009); CNIl: MR001 - projet qualifié en RBM

General Aspects

Medical area	Infectious diseases
Health determinants	Intoxication Social and psychosocial factors
Keywords	influenza A (H1N1), infectious respiratory syndromes, Health episodes, infections, complications, infection

Scientific investigator(s) (Contact)

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Organization	EHESP

Collaborations

Participation in projects, networks and consortia	Yes

Funding

Funding status	Public
Details	EHESP, IRD

Governance of the database

Sponsor(s) or organisation(s) responsible	ECOLE DES HAUTES ETUDES EN SANTÉ PUBLIQUE - EHESP
Organisation status	Public

Additional contact

Main features

Type of database

Type of database	Study databases
Study databases (details)	Cohort study
Database recruitment is carried out by an intermediary	A population file
Database recruitment is carried out as part of an interventional study	No
Additional information regarding sample selection.	Prospective Other bodies active in creating this cohort: INSEE Inclusion cut-off date: 01/10/2009

Database objective	
Main objective	General objective: To identify individual epidemiological, environmental, immunological, social, genetic and virological risk determinants of infection by influenza A (H1N1) swine-like-(SWL) virus Secondary Objectives: - to describe the impact on public health in terms of morbidity, complications and health care resources for A (H1N1)-SWL infection; - to characterise the ? natural? history of the infection and its variability, to determine how it is transmitted; - to study the individual and collective determinants of the variable clinical expressions of the infection; - to study behavioural changes induced by pandemic and assess the level of risk perception and its evolution over time; - to evaluate penetrance, application and effectiveness of control measures in place (treatment, vaccination, barriers); - to characterise the homeotypic and heterotypic immunity of participants, according to age ? evaluate herd immunity and to study innate and acquired cellular immunity subsequent to infection by this virus; - To characterise viral diversity and evolutionary mechanisms of virus A (H1N1)-SWL; to study the onset of drug resistance - to build and test anticipation models in real time on the impact of pandemic on the population and to simulate different control scenarios.
Inclusion criteria	Volunteer households in the metropolitan area whose members have all provided validated consent to participate in this cohort (Parental consent as well as children's is required, optional if they are over 7 years old and obligatory if they are over 13 years); covered by health insurance; can write and speak French and who have a land-line telephone.
Population type	
Age	Newborns (birth to 28 days) 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	General population

Gender	Male Woman
Geography area	International
Detail of the geography area	International Study involving: Bolivia, Laos, Mali, Cameroon (not limited) Geographical area covered: National (France protocol)

Data collection

Dates

Date of first collection (YYYY or MM/YYYY)	08/2009
Date of last collection (YYYY or MM/YYYY)	12/2012

Size of the database

Size of the database (number of individuals)	[1000-10 000[individuals
Details of the number of individuals	1451

Data

Database activity	Current data collection
Type of data collected	Declarative data Biological data
Declarative data (detail)	Paper self-questionnaire Face to face interview Phone interview
Biological data (detail)	Type of samples taken: cells samples and and serum At baseline, after possible vaccination and twice a year
Presence of a biobank	Yes
Contents of biobank	Serum DNA DNAc/RNAm
Details of biobank content	Serum bank, DNA bank
Health parameters studied	Health event/morbidity Health event/mortality

Procedures	
Data collection method	Self-administered questionnaire: input from a paper questionnaire with double data entry Interview: input from a paper questionnaire with double data entry Biological analysis: direct input
Participant monitoring	Yes
Details on monitoring of participants	Follow-up duration: 2 years
Links to administrative sources	Yes
Linked administrative sources (detail)	IRIS-2000

Promotion and access

Promotion	
Link to the document	http://www.hal.inserm.fr/COPANFLU
Description	List of publications in HAL
Link to the document	http://www.ncbi.nlm.nih.gov/pubmed/?term=copanflu
Description	List of publications in Pubmed

Access	
Terms of data access (charter for data provision, format of data, availability delay)	According to IRESP Charter and INSERM/EHESP convention Contact Prof. Fabrice Carrat
Access to aggregated data	Access on specific project only
Access to individual data	Access on specific project only