

# 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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Unit	ECOLE DES HAUTES ETUDES EN SANTÉ PUBLIQUE
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
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Participant monitoring	Yes
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Details on monitoring of participants	Follow-up duration: 2 years
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Links to administrative sources	Yes
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Linked administrative sources (detail)	IRIS-2000
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## Promotion and access

### Promotion

Link to the document	<a href="http://www.hal.inserm.fr/COPANFLU">http://www.hal.inserm.fr/COPANFLU</a>
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Description	List of publications in HAL
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Link to the document	<a href="http://www.ncbi.nlm.nih.gov/pubmed/?term=copanflu">http://www.ncbi.nlm.nih.gov/pubmed/?term=copanflu</a>
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Description	List of publications in Pubmed
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### 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
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Access to aggregated data	Access on specific project only
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Access to individual data	Access on specific project only
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