

healthy all life long

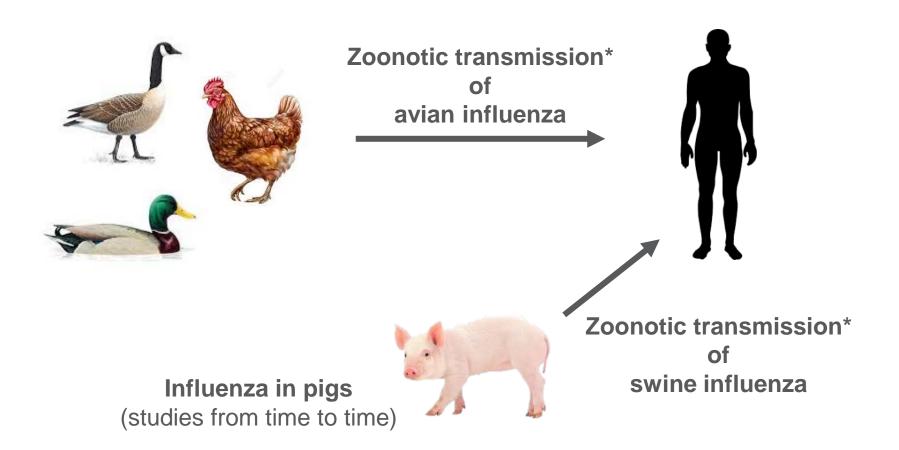
ZOOIS ZOONOTIC INFLUENZA SURVEILLANCE

BELGIUM'S PILOT STUDY TO IMPLEMENT AN ACTIVE SURVEILLANCE TO MONITOR ZOONOTIC INFLUENZA TRANSMISSION EVENTS

United4Surveillance WP4 workshop 29/09/2023



Gaps: no real system in place



* Influenza of non-seasonal subtype in symptomatic human: notifiable

First steps

March 2022:

Meeting with health authorities

- Federal: FPS, FAFSC
- Regional: Flanders, Wallonia, Brussels both human and animal sides invited

Summer 2022:

Passive surveillance for wild mammals funded by regions



November 2022:

AZG (Flanders): budget available proposal / discussion / amendment -> ZOOIS launched mid-Dec 2022



Concept: surveillance based on cohorts

Sentinel:

nasopharyngeal swab every 2 weeks (self-swabbing)

Outbreak:

nasopharyngeal swab every 2 days (self-swabbing)
blood samples (before or early during event and 4 weeks after event)



ZOOIS pilot study = clinical study

Jan 2023: Launching meeting with AZG (sponsor)

Discussion about practicalities:

- for recruitment of participants: voluntary
- for data flow, including:
 - informed consent
 - ethical committee
 - private life commission
 - result reporting

Feb-Mar 2023:

Issue with agreed data flow (NRC-influenza to keep nominative list of participants) due to <u>GDPR</u>

 \Rightarrow To be considered as CLINICAL STUDY

For Ethical Committee: separation of Sentinel and Outbreak parts

- Sentinel: only nasopharyngeal swab
- Outbreak: capillary blood also

Ethical approval

Steps	SENTINEL	OUTBREAK	Contract of the second se
Submission to EC	Early May 2023	Mid July 2023	Deter of births
Return with comments	End June 2023	Mid Sept 2023	Desting functional processing and the second processing of the second procesing of the second processing of the second processing of the seco
Approval	Mid Aug 2023	pending	Sciensano ZOOIS S

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Toestemmingsverklaring

Deelnemer

Ik verklaar geinformeerd te zijn over de aard van de studie, het doel, de daartijd, de voordelen en de eventuele rissco's alsoek van wat er van mij wordt verwacht. Ik heb kennas genomen van het informstiedocument en de bijlagen van dat document.

Ik heb voldoende tijd gehad om na te denken over mijn deelname en om hierover te spreken met een perscon naar keuze zoals mijn huisarts of een lid van mijn familie.

Ik heb de kans gehad om alle vragen te stellen die in mij opkwamen en ik heb een bevredigend antwoord ontvangen op mijn vragen.

Ik heb begrepen dat mijn deelname aan deze studie vrijwillig is en dat ik vrij ben om dit te beëindgen zonder dat dit mijn relatie met therapeutisch team dat verantwoordelijk is voor mijn gezondheid vijrigt.

Ik heb begrepen dat gegevens die op mij betrekking hebben verzameld zullen worden tijdens mijn deelmane aan deze studie en dat de hoofdonderzoekor en promotor zich garant stellen voor de vertruuwelijdheid van deze gegevens.

Ik geef toestennning voor de verwerking van mijn persoonsgegevens volgens de modaliteiten zoals beschreven in de paragraaf over de vertrouwelijkbeidsgaranties.

AANVULLENDE OPTIONELE TOESTEMMING DIE GEEN ABSOLUTE VOORWAARDE IS VOOR UW DEELNAME AAN DE STUDIE :

Ik nanvaard dat mijn stalen die werden verzameld tijdens de studie, na de stadie bewaard worden in de Biolouak van Sciensamo (unert specifiek de Sciensano Biolouak module WD12 Infectieziekten mens) en dit voor een periode van tien(10) jaar, om deze eventueel te gebruiken voor onderzoeksactiviteiten tijdens die periode.

□ Ik ben akkoord □ Ik ben niet akkoord

(Vink het vak aan van uw keuze: als u het vak «ik ben niet akkoord» aantinki dan zullen uw staten vernietigd worden op het einde van de stadie; als u niet antwoordt op deze vraag dan besluiten wij dat uw antwoord «ik ben niet akkoord » is)

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Recruitment of participants

Started in Sept 2023 🙂



Generation of participants' codes / Print forms and informed consent document / Preparation of kits

Recruitment meeting on each site / Demonstrate how to perform self-swabbing / Answer questions / Signatures

To date: - VOC: 11/25 participants

- PigVets: 5/15
- Poultry farms: issues to be addressed









Expected outcomes

Study will allow:

To collect information on

- the level of exposure of the participants
- the personal protection equipment used when in contact with animals
- vaccination against seasonal human influenza

To detect infection with non-seasonal influenza viruses in humans

- even if asymptomatic

Results will allow:

- to potentially detect asymptomatic infection among exposed workers
- to thus better evaluate the risk of exposed workers
- to evaluate the need for reinforcement of protective measures
- to evaluate the need for legislation adaptation to implement systematic follow-up of exposed workers (through occupational medicine)

PARALLEL SESSION

zoonotic influenza





Aim and organization

Main aim = brainstorming on sustainable surveillance systems to detect human cases of animal influenza among workers who might be at risk of exposure

=> To gather ideas about what should be implemented

Two parts

Before lunch

- feedback on stakeholder analysis
- BRAINSTORMING
 - which worker population(s) to target or prioritize

After lunch

- BRAINSTORMING, for some identified populations
 - which type of surveillance?
 - when should it be operating?
 - what can cause problems in the implementation?
 - how should results be reported?

Tools: mentimeter *(App or menti.com)* + discussion Wifi connection details