REPORTING PROTOCOL

The European Surveillance System (TESSy)

Zoonotic influenza virus
Reporting protocol
Version 2.4

February 2025

Contents

Summary of changes to current metadata

The following changes have been made to INFLZOO:

15/01/2025: Formatting and structure of reporting protocol edited.

10/09/2024: Zoonotic influenza vaccination variables added (VaccStatusInflZoo, VaccineInflZoo, DateOfInflZooVacc).

- Variable DateofVacc for date of seasonal influenza vaccination was renamed to DateOfInfSeaVacc.
- Variable for setting of exposure to animal species (ExposureSettingDetails) has been added.
- AnimalExposure coded value list has been updated to include NONE (No animal exposure was established from epidemiological investigation).
- Coded value list of Complications has been updated to include PNEU (pneumonia) and BACTERPNEUMO (bacterial pneumonia)

17/05/2024: AnimalExposure coded value list has been updated to include additional species R (cattle) and G (goat).

The following changes have been made to INFLZOOAGGR:

2023: Inclusion of the aggregated record type INFLZOOAGGR and description of variables and coded value lists.

How to use this document

This Reporting Protocol provides information for reporting countries' data managers in the following main sections:

- *Reporting to TESSy* – contains guidelines on how to prepare data for submission to TESSy, deadlines for data submission, subject-specific information (e.g. new changes to metadata), and links to further information.
- *Annex* – contains:
    - The metadata sets for the subject(s) covered by this Reporting Protocol.

Finding further information

 Paragraphs denoted by the information icon tell where you can find further information.

Updated links to all the schedules, documentation and training materials mentioned in this Reporting Protocol are included in the *TESSy Technical Guidelines & Tools* (see the menu 'Technical Guidelines and Tools' when logged in TESSy), including:

- Metadata sets and history.
- Tutorials for data transformation using respectively Excel and Access.
- TESSy user documentation.
- *CSV* and *XML* transport protocols.

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Introduction

An event of a human case infected with an influenza virus deriving from an animal source should be reported within 24 hours to the Early Warning and Response System (EWRS) which will cover the International Health Regulations (IHR) notification for EU/EEA countries. To complement the event-based surveillance, TESSy reporting allows for a long-term collection of key indicators. Data to TESSy can be uploaded retrospectively when more information becomes available but should be done as soon as feasible to avoid major reporting delays.

This reporting protocol describes data collection for zoonotic influenza viruses. With the data collected, the aim is to support situational risk assessment and trends over time.

For the reporting of case-based data, the record type INFLZOO should be used. Case-based data is the preferential record type for reporting confirmed cases to TESSy. Aggregate data on zoonotic influenza (number of tested samples and number of detected cases by **NA and HA subtype**) can be uploaded to INFLZOOAGGR. This record type should ideally be used mainly for reported testing data. If a country is not able to report to the case-based record type above, then numerator data can also be reported to this record type.

Aim

To support the timely and complete reporting on number of samples tested, number of detected cases and key information of zoonotic influenza cases

Objectives

- To collect data on number of tested people.
- To help assess the onset of the disease, confirmation of the subtype of infection and severity.
- To provide information on exposure, treatment and outcome.
- To provide additional contextual information to help understand the case identification.
- To analyse trends over time.

Record types

The following record types exist for reporting of zoonotic influenza virus in TESSy:

1. INFLZOO for reporting of case-based data of zoonotic influenza virus
2. INFLZOOAGGR for reporting of aggregated data of zoonotic influenza virus

Variables for each record type are outlined in the annex of this reporting protocol.

Reporting to TESSy

When, what and how to report

Deadline for reporting:

An event of a human infection with zoonotic influenza virus should be reported within 24 hours to EWRS, also covering IHR for EU/EEA countries. If a suspected human case is under investigation, such information should be shared via EpiPulse with ECDC and other countries for awareness. Data for monitoring the event and assessing trends should be reported to TESSy at least in the subsequent week following identification and confirmation.

Preparing data

Data may be entered directly in TESSy for individual records ('Manually create a record'). For any batch reporting by file upload (CSV or XML format) please note that once the data has been exported from your national database it needs to be in a format that TESSy can accept (see 'checking metadata').

Checking metadata

The TESSy metadata define the fields and valid data formats as input for a given subject.

To ensure data can be saved correctly in TESSy, please check the data are correctly formatted according to the most recent metadata set. Changes to the metadata of this Reporting Protocol are described in *Summary of changes to current metadata.*

It is especially important to focus on:

- **Field formats**

Many fields require that data are formatted in a specific way. For example, dates must be in the format yyyy-mm-dd (e.g. 2025-01-17), yyyy-mm (e.g. 2025-01) or YYYY-Www (e.g 2021-W01) depending on the variable; dates in any other format will be rejected.

- **Coded values**

  Some fields only permit the use of specific values (coded values). If any other value is used in the field, the upload will be rejected.

The metadata file contains all the definitions and rules you need to comply with to format your data correctly for every subject (usually a disease). The file can be downloaded as an Excel file from the TESSy documents website.

By filtering the fields in the file by subject, you can see the fields required for your subject and the rules applying to these fields.

The *Technical Annex* provides an overview of how you work with the metadata file, and the TESSy user documentation provides in-depth details on metadata.

Submitting your data

The TESSy / Upload page is accessible from the EpiPulse > **Report** > **Cases menu**. Data are submitted through the TESSy web interface (go to **Upload**). Previously reported data can be found through the review tab (see below).

The *Tessy User Guide* provides an overview of how you submit files to TESSy, and the TESSy user documentation provides in-depth descriptions of all the upload methods.

Finalising your submission

The compliance of your data with the validation rules in the metadata is checked automatically during the data upload process.

The result of your upload – i.e. rejected or validated – is displayed immediately after the conclusion of the check in the **Validation details** webpage. Please review the result carefully:

- If your file has been rejected, there will be a message explaining each instance of non-compliance with the metadata that you need to correct.
- If your file has been validated, there might be warnings and remarks relating to possible data quality issues or to potential overwriting of existing records that you should consider.

When you file has been validated and you are satisfied that all corrections have been made, please ensure prompt approval – unapproved uploads can block for the approval of other uploads.

- The TESSy user documentation provides information on reviewing validation results and adjusting reporting periods to avoid overwriting existing records.
- General training and guidance on reporting is available on the *TESSy website*.

TESSy HelpDesk

Email:	*TESSy@ecdc.europa.eu*
Telephone number:	**+46-(0)8-5860 1601**
Availability:	9:00 – 16:00 Stockholm time, Monday to Friday (except ECDC Holidays)

The record type defines the structure and the format of the data reported. The record type is defined by ECDC and is related to the subject. Only valid combinations of subject, record type and data source are accepted.

Record type version

Field: RecordTypeVersion

Coding: Numeric

The version of the record type defines the current structure of the data reported. The current version of the INFLZOO record type is provided in Table 1. This variable is not mandatory as TESSy concludes the record type version from the metadataset indicated by default. However, the variable RecordTypeVersion can override this default.

Subject (mandatory)

Field: Subject

Coding: INFLZOO

The subject describes the data to be reported.

Data source (mandatory)

Field: DataSource

Coding: Pre-assigned as CountryCode-INFLZOO to each country; can be modified by National Coordinator

The data source (surveillance system) that the record originates from.

Status (mandatory)

Field: Status

Coding: NEW/UPDATE/DELETE

The field 'Status' is used for updating data; the default is 'New/Update'. By choosing 'Delete' the selected record (or batch of data) will remain in TESSy but be marked as inactive; this data can be used to reconstruct data for a given date in the past.

Reporting country (mandatory)

Field: ReportingCountry

Coding: International organization for standardization (ISO) 3166-1-alpha-2, (two-letter code)

This variable identifies the country reporting the case.

Date used for statistics (mandatory)

Field: DateUsedForStatistics

Coding: yyyy-Www

The week reported cases were diagnosed.

Epidemiological variables

Date of onset (mandatory)

Field: DateOfOnset

Coding: yyyy-mm-dd

UNK

Date of onset of disease. Not applicable in asymptomatic cases. If not applicable, please use 'UNK'.

Date of notification (mandatory)

Field: DateOfNotification
Coding: yyyy-mm-dd
UNK

Date when the case is notified the first time to the place of notification.

Place of notification

Field: PlaceOfNotification

Coding: NUTS/GAUL

Place of the first notification of the case to a regional authority. Select the most detailed NUTS level possible. Region should be provided at the NUTS 2 level. If the region is not in an EU/EEA country, then use GAUL nomenclature.

Place of residence

Field: PlaceOfResidence

Coding: NUTS/GAUL

Place of residence of patient at the time of disease onset. Select the most detailed NUTS(EU/EEA) or GAUL(non-EU/EEA) level possible.

Imported

Field: Imported

Coding: N = No
Y = Yes
UNK = Unknown

Patient travelled outside the reporting country in the 14 days prior to symptom onset.

Probable country of infection (repeatable)

Field: ProbableCountryOfInfection

Coding: International organization for standardization (ISO) 3166-1-alpha-2, (two-letter code)

Country(ies) visited in the 2 weeks prior to onset of illness. Further guidance on how to manage empty rows in repeatable fields can be found in *Repeatable variables (fields)*.

EpiPulse ID (mandatory)

Field: EpiPulseID

Coding: TEXT

Link to EpiPulse through outbreak ID.

Case classification

Field: Classification

Coding: CONF = Confirmed
POSS = Possible
PROB = Probable
UNK = Unknown

Case classification according to EU case definition or national definition.

Laboratory method (repeatable)

Field: LabMethod

Coding: ANTIGEN = Antigen detection
GENOSEQ = Genotyping/Sequencing
ISOV = Isolation of virus
NEU = Neutralisation
NUC = NAAT by RT-PCR, other or not specified
O = Other, please specify
SCONV = Seroconversion or fourfold titre rise
SIGG = NCOV specific IgG-antibodies
SIGM = NCOV specific IgM-antibodies
SIGMG = NCOV specific IgM- and IgG antibodies
UNK = Unknown

Laboratory method used to make diagnosis.

Surveillance system

Field: SurvSys

Coding: N = Non-sentinel patient
S = Sentinel patient
Unk = Unknown

Surveillance system, sentinel or non-sentinel.

Setting

Field: Setting

Coding: C = Community
H = Hospital
I = Investigation of outbreak
NA = Not applicable
OTH = other
UNK = Unknown

Specification of the setting of diagnosis or case identification.

Gender

Field: Gender

Coding: F = Female
M = Male
O = Other
UNK = Unknown

Gender of the reported case.

Age (mandatory)

Field: Age

Coding: Numerical (0-120)
UNK = Unknown

Age of patient in years as reported in the national system at the time of disease onset.

Age in months

Field: AgeMonth

Coding: Numerical (0-23)

NA = Not applicable

UNK = Unknown

Age of patient in months as reported in the national system for cases < 2 years of age at the time of disease onset.

Virus Type (mandatory)

Field: VirusType

Coding: A = type A influenza virus

B = type B influenza virus

C = type C influenza virus

D= type D influenza virus

Virus type.

Virus HA subtype (mandatory)

Field: HA Subtype

Coding: H1 = A(H1)

H2 = A(H2)

H3 = A(H3)

H4 = A(H4)

H5 = A(H5)

H6 = A(H6)

H7 = A(H7)

H8 = A(H8)

H9 = A(H9)

H10 = A(H10)

H11 = A(H11)

H12 = A(H12)

H13 = A(H13)

H14 = A(H14)

H15 = A(H15)

H16 = A(H16)

H17 = A(H17)

H18 = A(H18)

O = Other

UNK = Unknown

Virus HA subtype.

Virus NA subtype (mandatory)

Field: NA Subtype

Coding: N1 = A(HxN1)

N2 = A(HxN2)

N3 = A(HxN3)

N4 = A(HxN4)

N5 = A(HxN5)
N6 = A(HxN6)
N7 = A(HxN7)
N8 = A(HxN8)
N9 = A(HxN9)
N10 = A(HxN10)
N11 = A(HxN11)
O = Other
UNK = Unknown

Virus NA subtype.

Pathogen or subtype – Other

Field: TypeOther
Coding: TEXT
Details of pathogen or subtype, if coded as 'other', but is known.

Exposure to animal species (repeatable)

Field: AnimalExposure
Coding: A = avian (all species) if details or species unknown
B = bat
C = chicken or other domesticated birds (poultry, turkey,…)
F = ferret or mink
G = goat
P = pig
R = cattle
S = seal
W = wild bird
O = other
Unk = Unknown
NONE = No animal exposure was established from epidemiological investigation

Exposure of the human case infected with a zoonotic influenza virus to an animal.

Exposure to animal species, other species, describe

Field: AnimalExposureOther
Coding: TEXT
Exposure of the human case infected with a zoonotic influenza virus to an animal species not listed

Setting of exposure to animal species

Field: ExposureSettingDetails
Coding: TEXT
Setting of exposure of the human case infected with a zoonotic influenza virus to animal species (e.g. occupational, household, animal market, recreational).

Viral coinfection (repeatable)

Field: ViralCoinfection

Coding: SARSCOV2 = SARS-CoV-2
INFL = seasonal influenza virus
O = Other respiratory viral pathogen, please specify
OTHCOR = Other coronavirus
RSV = RSV (Respiratory syncytial virus)
UNK = Unknown
Presence of viral co-infection.

Viral coinfection – Other

Field: ViralCoinfectionOther
Coding: TEXT
Other viral coinfection not found in the list of possible values.

Clinical Presentation (repeatable)

Field: ClinicalPresentation
Coding: ASY = Asymptomatic
CONJ = Conjunctival injection
COUGH = Dry or productive cough
DIARR = Diarrhoea
FEVER = History of fever/chills
HEAD = Headache
IRR = Irritability/confusion
O = Other, please specify
PAIN = Pain
PAINABDO = Pain – abdominal
PAINCHEST = Pain – chest
PAINJOINT = Pain – joint
PAINMUSC = Pain – muscular
PAINOTH = Pain – other
RUNOS = Runny nose
SBREATH = Shortness of breath
SORETHR = Sore throat
UNK = Unknown
VOMIT = Nausea/vomiting
WEAK = General weakness
Clinical symptoms on onset.

Clinical presentation – Other

Field: ClinicalPresentationsOther
Coding: Text
UNK = Unknown
Other reported clinical symptoms not found in the list of possible values.

Seasonal influenza vaccination

Field: InfluenzaVaccination

Coding: N = No
Y = Yes
UNK = Unknown
Current seasonal influenza vaccination.

Date of Vaccination for seasonal influenza

Field: DateOfInfSeaVacc
Coding: yyyy-mm-dd,
UNK = Unknown
Date of seasonal influenza vaccination.

Zoonotic influenza A(H5) vaccination status

Field: VaccStatusInflZoo
Coding: 1DOSE = One dose
2DOSE = Two doses
3DOSE = Three doses
4DOSE = Four doses or more
DOSEUNK = Vaccinated with unknown number of doses
NOTVACC = unvaccinated (no dose)
UNK = Unknown if vaccinated against zoonotic influenza
Indicates if the case is vaccinated against zoonotic influenza A(H5) and number of vaccine doses received.

Zoonotic influenza A(H5) vaccine product

Field: VaccineInflZoo
Coding: Seqirus = Zoonotic influenza vaccine Seqirus
Aflunov = Aflunov egg-based vaccine
Celldemic = Celldemic cell-based vaccine
OTHER = Other vaccine products
UNK = Unknown
If vaccinated, zoonotic influenza A(H5) vaccine product received.

Date of zoonotic influenza A(H5) vaccination

Field: DateOfInflZooVacc
Coding: yyyy-mm-dd,
yyyy-mm,
yyyy-Www
UNK
If vaccinated, date of last received zoonotic influenza A(H5) vaccine dose.

Occupation

Field: Occupation
Coding: HCW = HealthCareWorker
VET = Veterinarian
CUL = Culler

COF = Commercial farmer
BYF = Backyard or hobby farmer
RIN = Bird ringer
OTH = other
UNK = unknown

Information on the occupation of the case.

Occupation – other

Field: OccupationOther
Coding: TEXT
Information on the occupation of the case not listed.

Precondition (repeatable field, mandatory)

Field: Precondition
Coding: ASPL = Asplenia
ASTH = Asthma
CANC = Cancer, malignancy
CARDIACDIS = Cardiac disorder, excluding hypertension
DIAB = Diabetes
HIV = HIV/other immune deficiency
HYPERT = Hypertension
KIDNEY = Kidney-related condition, renal disease
LIVER = Liver-related condition, liver disease
LUNG = Chronic lung disease, excluding asthma
NEUROMUS = Neuromuscular disorder, chronic neurological
NONE = None
O = Other precondition, please specify
OBES = Obesity
PREG = Pregnancy, trimester is unknown
PREG1 = Pregnancy, 1st trim, the 1st trim is from week 1 to the end of week 12
PREG2 = Pregnancy, 2nd trim, the 2nd trim is from week 13 to the end of week 26
PREG3 = Pregnancy, 3rd trim, the 3rd trim is from week 27 to the end of the pregnancy
PREGPOST = Post-partum (<6 weeks)
SMOKE = Current smoking
TB = Tuberculosis
UNK = Unknown precondition

Patient's underlying condition or conditions.

Precondition – other

Field: PreconditionOther
Coding: Text
Details of underlying conditions, if Precondition is coded as 'other', but is known.

Hospitalisation (mandatory)

Field: Hospitalisation
Coding: N = No

Y = Yes
UNK = Unknown

Hospitalisation in the 4 weeks after onset of illness.

Date of Hospitalisation (mandatory)

Field: DateOfHospitalisation

Coding: yyyy-mm-dd
UNK= Unknown

If not applicable, please use 'UNK'. Date of Hospitalisation.

Intensive care (mandatory)

Field: IntensiveCare

Coding: N = No
UNK = Unknown
Y = Yes

Case required care in an intensive care unit or high dependency unit (unit with capabilities for more intensive observation, treatment and nursing care than can be provided on a regular ward).

Date of admission to ICU or HDU

Field: DateOfICUHDU

Coding: yyyy-mm-dd

Date of admission to intensive care unit or high dependency unit.

Number of days in ICU or HDU

Field: NumberDaysICUHDU

Coding: Numerical
NA = Not applicable
UNK = Unknown

Total number of days patient spent in IDU or HDU.

Complications (repeatable)

Field: Complications

Coding: AKI = Acute renal/kidney injury
ARDS = Acute respiratory distress syndrome
BACTERPNEUMO = Bacterial pneumonia
BRONCH = Bronchiolitis
ENCEPH = Encephalitis
HEARTFAIL = Heart failure
MULTIFAIL = Multi-organ failure
MYOCARD = Myocarditis
NONE = None
O = Other (please specify separately)
OTHBAC = Other secondary bacterial infection
PNEU = Pneumonia
SEPSIS = Sepsis/Multi-organ failure

STILLBIRTH = Still birth as pregnancy outcome in a case
UNK = Unknown

Complications at any time.

Respiratory support (mandatory, repeatable)

Field: RespSupport

Coding: ECMO = Extracorporeal membrane oxygenation
N = No
NOTAVAIL = No respiratory support available
NOTNEC = No respiratory support necessary
O = Other, please specify
OXYGEN = Oxygen therapy
UNK = Unknown
VENT = Ventilator including non-invasive positive pressure ventilation

Level of respiratory support given to patient.

Respiratory support - Other

Field: RespSupportOther

Coding: Text
UNK = Unknown

Other respiratory support not found in the list of possible values.

Outcome (mandatory)

Field: Outcome

Coding: ALIVE = Alive, recovered, cured
DIEDINFLZOO = zoonotic influenza was main or contributing cause of death
DIEDOTHER = Death not related to influenza infection
DIEDUNK = Cause of death unknown
STILLTREATMENT = Still on medical treatment (not recovered)
UNK = Unknown outcome

Information on the outcome of the case in the 4 weeks after onset of illness.

Date of hospital discharge

Field: DateOfDischarge

Coding: yyyy-mm-dd
UNK= Unknown

Date of hospital discharge.

Date of death

Field: DateOfDeath

Coding yyyy-mm-dd
UNK= Unknown

Date of death (exact date only).

Cause of death

Field: CauseOfDeath
Coding: INFLMAIN = The main cause of death was influenza
INFLUNDER = The underlying cause of death was influenza
NOTINFL = Cause of death not influenza related.
SECBACT = The cause of death was a secondary bacterial infection acquired in hospital
UNK = Cause of death was unknown
Cause of Death.

Drug Used Prophylaxis (mandatory)

Field: DrugUsedProphylaxis
Coding: NONE = None
AMA = Amantadine
BALO = Baloxavir Marboxil
O = Other (or combinations with other)
OSEL = Oseltamivir
OSELZANA = Oseltamivir and Zanamivir
UNK = Unknown
ZANA = Zanamivir
Antivirals used as prophylaxis in the 14 days before onset of illness.

Drug Used Treatment (mandatory)

Field: DrugUsedTreatment
Coding: M2 = M2 inhibitors
NONE = None
BALO = Baloxavir Marboxil
O = Other (or combinations with other)
OSEL = Oseltamivir
OSELZANA = Oseltamivir and Zanamivir
UNK = Unknown
ZANA = Zanamivir
Antivirals used as prophylaxis in the 14 days before onset of illness.

Starting date of Treatment (mandatory)

Field: DateOfTreatment
Coding: yyyy-mm-dd
UNK = Unknown
Starting date for antiviral treatment of the case during illness phase.

Resistance (mandatory, repeatable)

Field: Resistance
Coding: M2 = M2 inhibitors
NONE = None
O = Other
OSEL = Oseltamivir
UNK = Unknown

ZANA = Zanamivir

BALO = Baloxavir Marboxil

Resistance to antiviral treatment as assessed by virologists. Report whether resistance has been detected to any antivirals in the coded value list.

HA sequence aa resistance mutations

Field: HAAAMutations

Coding: TEXT

Listing of amino acid substitution in HA, separated by semi colon. Format for reporting composition ALL relevant amino acid positions: e.g. E190D.

M2 sequence aa resistance mutations

Field: M2AAMutations

Coding: TEXT

Listing of amino acid substitution in M2 associated with antiviral resistance (WHO table) separated by semi colon. Format for reporting composition ALL relevant amino acid positions: e.g. S31N.

NA sequence aa resistance mutations

Field: NAAAMutations

Coding: TEXT

Listing of amino acid substitution in NA associated with antiviral resistance (WHO table) separated by semi colon. Format for reporting composition ALL relevant amino acid positions: e.g. H275Y.

PA sequence aa resistance mutations

Field: PAAAMutations

Coding: TEXT

Listing of amino acid substitution in PA associated with antiviral resistance (WHO table) separated by semi colon. Format for reporting composition ALL relevant amino acid positions: e.g. I38T or I38M or I38F.

Interpretation M2 Blocker Resistance Testing

Field: InterprM2BlockerResistTest

Coding: AAHRI = Amino acid substitution previously associated with highly reduced inhibition

AAINP = Genotypic interpretation not possible

AANI = No amino acid substitution prev assoc. with (highly)reduced inhibition

AARI = Amino acid substitution previously associated with reduced inhibition

HRI = Highly reduced inhibition

NA = Not applicable

NI = Normal inhibition

RI = Reduced inhibition

Interpretation of M2BlockerResistanceTesting.

Interpretation Baloxavir Marboxil Resistance Testing

Field: InterprBaloxavirResistTest

Coding: AARS = amino acid substitution in PA identified previously associated with reduced susceptibility for baloxavir

AANS = No amino acid substitution in PA previously associated with reduced susceptibility for baloxavir marboxil

AAINP = Amino Acid substitution Interpretation not possible

NA = Not applicable

Interpretation of Baloxavir Marboxil Resistance Testing.

Interpretation Oseltamivir Resistance Testing

Field: InterprOseltamivirResistTest

Coding: AAHRI = Amino acid substitution previously associated with highly reduced inhibition

AAINP = Genotypic interpretation not possible

AANI = No amino acid substitution prev assoc. with (highly)reduced inhibition

AARI = Amino acid substitution previously associated with reduced inhibition

HRI = Highly reduced inhibition

NA = Not applicable

NI = Normal inhibition

RI = Reduced inhibition

Interpretation of Oseltamivir Resistance Testing.

Interpretation Zanamivir Resistance Testing

Field: InterprZanamivirResistTest

Coding: AAHRI = Amino acid substitution previously associated with highly reduced inhibition

AAINP = Genotypic interpretation not possible

AANI = No amino acid substitution prev assoc. with (highly)reduced inhibition

AARI = Amino acid substitution previously associated with reduced inhibition

HRI = Highly reduced inhibition

NA = Not applicable

NI = Normal inhibition

RI = Reduced inhibition

Interpretation of Zanamivir Resistance Testing.

ISD: HA sequence number

Field: HAISD

Coding: TEXT

Accession number for sequence data HA, ISD or other.

ISD: NA sequence number

Field: NAISD

Coding: TEXT

Accession number for sequence data NA, ISD or other.

ISD: M2 sequence number

Field: M2ISD

Coding: TEXT

Accession number for sequence data M2, ISD or other.

ISD: PA sequence number

Field: PAISD

Coding: TEXT

Accession number for sequence data PA, ISD or other.

ISD: HA sequence number

Field: HAISD

Coding: TEXT

Accession number for sequence data HA, ISD or other.

Wgs ENA identifier

Field: WgsEnaId

Coding: Text

European Nucleotide Archive (ENA) run identifier, based on which the sequence read data can be retrieved. Starts with ERR or SRR, i.e. not the sample or experiment which ERS/ERX or SRS/SRX.

Wgs Sequence RA identifier (repeatable)

Field: WgsSequenceId

Coding: Text

Sequence identifier for whole genome or gene sequence, based on which the sequence read data can be retrieved from external database such as GISAID, GenBank or other db (except ENA). GISAID isolate sequence accession number should be reported in format EPI_ISL_402123, GenBank MK334047.1. Please report ENAId in WgsEnaId variable.

Comment

Field: Comment

Coding: Text

Free comment on data, suggestion to fill in conclusion here.

INFLZOOAGGR metadata record type version 1

Common TESSy variables

Record ID

Field: RecordId

Coding: Text

The record identifier is provided by the Member State. It must be unique within the national respiratory virus diseases surveillance system and anonymous.

Record type

Field: RecordType

Coding: INFLZOOAGGR

The record type defines the structure and the format of the data reported (case based reporting or aggregate reporting). The record types are defined by ECDC and are related to the subject. Only valid combinations of subject, record type and data source are accepted.

Record type version

Field: RecordTypeVersion

Coding: Numeric

The version of the record type defines the current structure of the data reported. If no RecordTypeVersion is provided in the batch, it is set automatically with current version of the Record type (Table 1). This variable is not mandatory as TESSy concludes the record type version from the metadata set indicated by default. However, RecordTypeVersion is required when no metadata set is provided at upload or when a RecordTypeVersion, other than the current one, needs to be used.

Subject

Field: Subject

Coding: INFLZOOAGGR

The subject describes the data to be reported.

Status

Field: Status

Coded value list: [Statuses]

Coding: DELETE = Delete a previously reported record.

NEW/UPDATE = Report a new or update a previously reported record (default).

The field 'Status' is used for updating data; the default is NEW/UPDATE. By choosing DELETE the selected record (or batch of data) will remain in TESSy but be marked as inactive; this data can be used to reconstruct data for a given date in the past.

Data Source

Field: DataSource

Coding: CV

The data source specifies the source from which the data originates and is generated and revised/updated by the national contact point for surveillance in each Member State. If needed multiple data sources per country can be entered by different users to facilitate reporting.

Reporting Country

Field: ReportingCountry

Coded value list: [Countries] (see the coded values list)

This variable identifies the country reporting the case.

Date used for statistics

Field: DateUsedForStatisticsWeek

Coding: yyyy-Www

The week for which the reported data refers. This is the date used by the national surveillance institute/organisation in reports and official statistics. The date used for statistics can vary from country to country but is it is preferably the date the sampling and/or testing has been performed or case was notified to the national health authorities (notification date).

Pathogen

Field: Pathogen

Coded value list: PathogenRESPI

Coding: INFL = Influenza virus
MERS = MERS-CoV
O = Other
RSV = Respiratory syncytial virus
SARSCOV2 = SARS-CoV-2

Pathogen associated with tests or detections. If selecting Other, please specify which pathogen in Pathogen – Other.

Pathogen Other

Field: PathogenOther

Coding: Text

Specified pathogen not captured in the coded values for Pathogen.

Influenza virus HA subtype

Field: HASubtype

Coded value list: InfluenzaVirusHASubType

Coding: H1 = A(H1)
H10 = A(H10)
H11 = A(H11)
H12 = A(H12)
H13 = A(H13)
H14 = A(H14)
H15 = A(H15)
H16 = A(H16)
H17 = A(H17)
H18 = A(H18)

H2 = A(H2)
H3 = A(H3)
H4 = A(H4)
H5 = A(H5)
H6 = A(H6)
H7 = A(H7)
H8 = A(H8)
H9 = A(H9)
O = Other
UNK = Unknown

Virus HA subtype.

Influenza virus NA subtype

Field: NASubtype:
Coded value list: InfluenzaVirusNASubType
Coding: N1 = A(HxN1)
N10 = A(HxN10)
N11 = A(HxN11)
N2 = A(HxN2)
N3 = A(HxN3)
N4 = A(HxN4)
N5 = A(HxN5)
N6 = A(HxN6)
N7 = A(HxN7)
N8 = A(HxN8)
N9 = A(HxN9)
O = Other
UNK = Unknown

Virus NA subtype.

Number tested

Field: NumTested
Coding: NUM
The number of samples tested per week.

Number detected

Field: NumDetected
Coding: NUM
The number of samples testing positive per week.

Comment

Field: Comment
Coding: Text
Free comment on data, suggestion to fill in conclusion here.