

## Follow-up report 5

20/12/2021

**The event is ongoing. Weekly follow-up reports will be submitted.**

Sender	Country/territory	Report ID
Delegate of Switzerland	Switzerland	FUR_153021
Report reference	Event status	Self-declaration
ZH_COVID_4	On-going	No

### General information

Country or zone - Country	Disease - SARS-CoV-2 in animals (Inf. with)	Started on - 21/01/2021
Animal type - Terrestrial	Confirmed on - 24/01/2021	Causal agent - SARS-CoV-2
Disease category - Emerging	Reported on - 20/12/2021	Reason - Emerging disease

### Disease impact

Outbreak morbidity - 100.0	Outbreak mortality - 0.0
Zoonotic potential - Yes	Zoonotic potential description - Zoonotic potential under investigation

### Epidemiology

Source of the event or origin of the infection - Contact with owner

Epidemiological comments These cases were detected in the framework of a research project on pet animals of owners who were infected with SARS-CoV-2. The project is under the responsibility of the Clinical Laboratory of the Vetsuisse Faculty (VSF) of the University of Zurich (UZH). The Swiss government does not recommend currently to test cats or dogs for SARS-CoV-2 but supports research to increase knowledge in the field. For the time being, COVID-19 continues to be treated as a human disease with the main route of transmission between human beings.

### Control measures at event level

#### Domestic control measures

Applied - Quarantine

#### Wild control measures

### Diagnostic

Clinical signs - No

Method of diagnostic - Diagnostic test

Test name	Category	Test type	Laboratory	Species sampled	Outbreaks	Tested from	Tested until
Reverse transcription-polymerase chain reaction (RT-PCR)	Nucleic acid detection	Laboratory Test	Institute of Virology and Immunology (IVI) National Laboratory	Cats/Dogs	8	21/01/2021	17/12/2021
Reverse transcription-polymerase chain reaction (RT-PCR)	Nucleic acid detection	Laboratory Test	Institute for virology and immunology IVI, Bern National Laboratory	Cats/Dogs	8	21/01/2021	17/12/2021

### Quantitative data summary

## Measuring unit - Animal

Species	Type	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated	Outbreak morbidity	Outbreak mortality
Cats	New	-	-	-	-	-	-	-	-
Cats	Total	4	4	0	0	0	0	100.0	0.0
Dogs	New	-	-	-	-	-	0	-	-
Dogs	Total	5	5	0	0	0	0	100.0	0.0
All species	New	-	-	-	-	-	0	-	-
All species	Total	9	9	0	0	0	0	100.0	0.0

Event morbidity - 100.0

Event mortality - 0.0

Morbidity range - 100-200

Mortality range - 0-0

## Outbreaks

### ob\_84873-Willisau

Outbreak reference - LU\_COVID\_1

Started on - 17/03/2021

First administrative division - Lucerne

Second administrative division - Willisau

Epidemiological unit - Other

Geographic coordinates -  
47.12,7.99

Third administrative division - Willisau

Approximate location - Yes

Location - Willisau

Description of the affected population This case was detected in the framework of a research project on pet animals of owners who were infected with SARS-CoV-2. The project is under the responsibility of the Clinical Laboratory of the Vetsuisse Faculty (VSF) of the University of Zurich (UZH).

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Cats	New	Animal	-	-	-	-	-	-
Cats	Total	Animal	1	1	0	0	0	0
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	1	1	0	0	0	0

Outbreak name	Test	Result	Result date
ob_84873-Willisau	Reverse transcription-polymerase chain reaction (RT-PCR)	Positive	15/03/2021

### ob\_93511-Oerlikon

Outbreak reference - ZH\_COVID\_3

Started on - 03/12/2021

First administrative division - Zürich

Second administrative division - Zürich

Epidemiological unit - Other

Geographic coordinates -  
47.409,8.551

Third administrative division - Oerlikon

Location - Oerlikon

Description of the affected population This case was detected in the frame of a research project on pet animals of owners who were infected with SARS-CoV-2. The project is in the responsibility of the Clinical Laboratory of the Vetsuisse Faculty (VSF) of the University of Zurich (UZH).

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Cats	New	Animal	-	-	-	-	-	-
Cats	Total	Animal	1	1	0	0	0	0

Dogs	New	Animal	-	-	-	-	-	-
Dogs	Total	Animal	1	1	0	0	0	0
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	2	2	0	0	0	0

Outbreak name	Test	Result	Result date
ob_93511-Oerlikon	Reverse transcription-polymerase chain reaction (RT-PCR)	Positive	03/12/2021

### ob\_94197-Hombrechtikon

Outbreak reference - ZH\_COVID\_5      Started on - 03/12/2021      First administrative division - Zürich  
Second administrative division - Meilen      Epidemiological unit - Other      Geographic coordinates - 47.251,8.775  
Third administrative division - Hombrechtikon      Location - Hombrechtikon

Description of the affected population This case was detected in the framework of a research project on pet animals of owners who were infected with SARS-CoV-2. The project is under the responsibility of the Clinical Laboratory of the Vetsuisse Faculty (VSF) of the University of Zurich (UZH)

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Dogs	New	Animal	1	1	0	0	0	0
Dogs	Total	Animal	1	1	0	0	0	0
All species	New	Animal	1	1	0	0	0	0
All species	Total	Animal	1	1	0	0	0	0

Outbreak name	Test	Result	Result date
ob_94197-Hombrechtikon	Reverse transcription-polymerase chain reaction (RT-PCR)	Positive	17/12/2021

### 1000144551-Walenstadt

Outbreak reference - SG\_COVID\_1      Started on - 21/01/2021      First administrative division - Sankt Gallen  
Second administrative division - Sarganserland      Epidemiological unit - Other      Geographic coordinates - 47.12,9.3  
Third administrative division - Walenstadt      Location - Walenstadt

Description of the affected population This case was detected in the framework of a research project on pet animals of owners who were infected with SARS-CoV-2. The project is under the responsibility of the Clinical Laboratory of the Vetsuisse Faculty (VSF) of the University of Zurich (UZH).

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Cats	New	Animal	-	-	-	-	-	-
Cats	Total	Animal	1	1	0	0	0	-
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	1	1	0	0	0	-

Outbreak name	Test	Result	Result date
1000144551-Walenstadt	Reverse transcription-polymerase chain reaction (RT-PCR)	Positive	27/01/2021

	PCR)		
--	------	--	--

### 1000144553-Zürich

Outbreak reference - ZH\_COVID\_1      Started on - 27/01/2021      First administrative division - Zürich  
 Second administrative division - Zürich      Epidemiological unit - Other      Geographic coordinates - 47.38,8.48  
 Third administrative division - Albisrieden      Location - Zürich

Description of the affected population This case was detected in the framework of a research project on pet animals of owners who were infected with SARS-CoV-2. The project is under the responsibility of the Clinical Laboratory of the Vetsuisse Faculty (VSF) of the University of Zurich (UZH).

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Cats	New	Animal	-	-	-	-	-	-
Cats	Total	Animal	1	1	0	0	0	-
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	1	1	0	0	0	-

Outbreak name	Test	Result	Result date
1000144553-Zürich	Reverse transcription-polymerase chain reaction (RT-PCR)	Positive	27/01/2021

### ob\_87346-Giubiasco

Outbreak reference - TI\_COVID\_1      Started on - 03/06/2021      First administrative division - Ticino  
 Second administrative division - Bellinzona      Epidemiological unit - Other      Geographic coordinates - 46.17,9.01  
 Third administrative division - Giubiasco      Approximate location - Yes      Location - Giubiasco

Description of the affected population Dog showed symptoms (fever, apathy and swollen lymph nodes). This case was detected in the frame of a research project on pet animals of owners who were infected with SARS-CoV-2. The project is in the responsibility of the Clinical Laboratory of the Vetsuisse Faculty (VSF) of the University of Zurich (UZH).

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Dogs	New	Animal	-	-	-	-	-	-
Dogs	Total	Animal	1	1	0	0	0	0
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	1	1	0	0	0	0

Outbreak name	Test	Result	Result date
ob_87346-Giubiasco	Reverse transcription-polymerase chain reaction (RT-PCR)	Positive	18/06/2021

### ob\_93512-Hombrechtikon

Outbreak reference - ZH\_COVID\_4      Started on - 03/12/2021      First administrative division - Zürich  
 Second administrative division - Meilen      Epidemiological unit - Other      Geographic coordinates - 47.251,8.771  
 Third administrative division -      Location - Hombrechtikon  
 Hombrechtikon

Description of the affected population This case was detected in the frame of a research project on pet animals of owners who were infected with SARS-CoV-2. The project is in the responsibility of the Clinical Laboratory of the Vetsuisse Faculty (VSF) of the University of Zurich (UZH).

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Dogs	New	Animal	-	-	-	-	-	-
Dogs	Total	Animal	1	1	0	0	0	0
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	1	1	0	0	0	0

Outbreak name	Test	Result	Result date
ob_93512-Hombrechtikon	Reverse transcription-polymerase chain reaction (RT-PCR)	Positive	03/12/2021

## ob\_84801-Zürich

Outbreak reference - ZH\_COVID\_2      Started on - 15/03/2021      First administrative division - Zürich  
 Second administrative division - Zürich      Epidemiological unit - Other      Geographic coordinates - 47.39,8.48  
 Third administrative division - Altstetten      Location - Zürich

Description of the affected population Domestic dog in a residential household. The dog showed no symptoms. In the same household there are two cats. One of those cats was tested positive for covid. Both owners of the animals were also tested positive for covid.

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Dogs	New	Animal	-	-	-	-	-	-
Dogs	Total	Animal	1	1	0	0	0	0
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	1	1	0	0	0	0

Outbreak name	Test	Result	Result date
ob_84801-Zürich	Reverse transcription-polymerase chain reaction (RT-PCR)	Positive	24/01/2021



## Map legend

### OUTBREAKS REPRESENTATION ON MAP

#### OUTBREAKS NATURE

Single / Cluster

Domestic species



Wild species



Domestic & Wild



#### OUTBREAKS STATUS

Outbreak currently reported



Ongoing outbreak



Resolved outbreak



#### AGGREGATION REPRESENTATION

< 20 outbreaks



20 - 100 outbreaks



> 100 outbreaks



© Mapbox © OpenStreetMap Improve this map

© Mapbox | © OpenStreetMap

Prints use map data from Mapbox and OpenStreetMap and their data sources.

To learn more, visit <https://www.mapbox.com/about/maps/> and <http://www.openstreetmap.org/copyright>.

Les localisations des foyers ont été renseignées par les Services vétérinaires compétents et peuvent ne pas représenter l'emplacement exact d'un foyer. L'OIE n'assume aucune responsabilité quant aux données affichées.