

Follow-up report 4

06/12/2021

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

Sender	Country/territory	Report ID
Delegate of Switzerland	Switzerland	FUR_152782
Report reference	Event status	Self-declaration
ZH_COVID_3	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 - 06/12/2021	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	7	21/01/2021	03/12/2021
Reverse transcription-polymerase chain reaction (RT-PCR)	Nucleic acid detection	Laboratory Test	Institute for virology and immunology IVI, Bern National Laboratory	Cats/Dogs	7	21/01/2021	03/12/2021

Quantitative data summary

Measuring unit - Animal

Species	Type	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated	Outbreak morbidity	Outbreak mortality
Cats	New	1	1	0	0	0	0	-	-
Cats	Total	4	4	0	0	0	0	100.0	0.0
Dogs	New	2	2	0	0	0	0	-	-
Dogs	Total	4	4	0	0	0	0	100.0	0.0
All species	New	3	3	0	0	0	0	-	-
All species	Total	8	8	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	1	1	0	0	0	0
Cats	Total	Animal	1	1	0	0	0	0
Dogs	New	Animal	1	1	0	0	0	0

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

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

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-manchtikon

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 - Hombrechtikon Location - manchtikon

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	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_93512-manchtikon	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



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