

Follow-up report 4

31/05/2021

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

Sender	Country/territory	Report ID
Delegate of Brazil	Brazil	FUR_150128
Event status	Self-declaration	
On-going	No	

General information

Country or zone - Country	Disease - SARS-CoV-2 in animals (Inf. with)	Started on - 21/05/2020
Animal type - Terrestrial	Confirmed on - 16/10/2020	Causal agent - SARS-CoV-2
Disease category - Emerging	Reported on - 31/05/2021	Reason - Emerging disease

Disease impact

Outbreak morbidity - 1.0	Outbreak mortality - 0.0
Zoonotic potential - Yes	Zoonotic potential description - Zoonotic potential currently unknown

Epidemiology

Source of the event or origin of the infection - Probable contacto con caso humano

Epidemiological comments Some of the research is part of a project to investigate pets living in households in contact with confirmed human cases recently infected with SARS-COV-2. The SARS-COV-2 surveillance study (Petcovid-19 Study) is conducted in the framework of One Health and is coordinated by the Federal University of Paraná, with the participation of other federal universities across several states of the country.

The case reported in Brasília, in the Federal District, results from a clinical investigation of symptomatic cat admitted to a veterinary clinic. The animal lived in close contact with humans who also tested positive for SARS-COV-2.

Control measures at event level

Domestic control measures

Applied - Quarantine

Wild control measures

Applied - Quarantine

Diagnostic

Clinical signs - Yes

Method of diagnostic - Diagnostic test

Test name	Category	Test type	Laboratory	Species sampled	Outbreaks	Tested from	Tested until	Result
Real-time reverse transcription polymerase chain reaction (rRT-PCR)	Nucleic acid detection	Laboratory Test	Laboratorio de Bioquímica y Biología Molecular de la Universidad Federal de Paraná	Cats/Dogs	5	20/11/2020		Positive
Real-time	Nucleic acid	Laboratory	Laboratorio	Cats/Dogs	1	16/10/2020		Positive

reverse transcription polymerase chain reaction (rRT-PCR)	detection	Test	de Microbiología y Biología Molecular Veterinaria de la Universidad Federal de Mato Grosso					
Real-time reverse transcription polymerase chain reaction (rRT-PCR)	Nucleic acid detection	Laboratory Test	TECSA Laboratorios	Cats/Dogs	14	13/01/2021		Positive

Quantitative data summary

Measuring unit - Animal

Species	Type	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated	Outbreak morbidity	Outbreak mortality
Cats	New	13	3	1	0	0	0	-	-
Cats	Total	40	15	1	0	0	0	37.5	2.5
Dogs	New	5	2	0	0	0	0	-	-
Dogs	Total	39	20	0	0	0	0	51.28	0.0
All species	New	18	5	1	0	0	0	-	-
All species	Total	79	35	1	0	0	0	44.3	1.27

Event morbidity - 1.0

Event mortality - 0.0

Morbidity range - 0-100

Mortality range - 0-100

Outbreaks

ob_83236-CAXIAS DO SUL

Outbreak reference - RS01

Started on - 18/02/2021

First administrative division - Rio Grande do Sul

Ended on - 01/03/2021

Second administrative division - Caxias do Sul
Epidemiological unit - Other

Geographic coordinates -
-29.167778,
-51.178889

Third administrative division - Ra 01
Location - CAXIAS DO SUL

Description of the affected populationDOMESTIC CAT (FELIS CATUS) IN A RESIDENTIAL HOME

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Cats	New	Animal	-	-	-	-	-	-
Cats	Total	Animal	3	1	0	0	0	0
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	3	1	0	0	0	0

ob_86229-são paulo

Outbreak reference - SP03

Started on - 16/03/2021

First administrative division - São Paulo

Ended on - 30/03/2021

Second administrative division - São Paulo

Epidemiological unit - Other

Geographic coordinates -
-23.550278,
-46.633889

Third administrative division - Se

Location - são paulo

Description of the affected populationdomestic cat (felis catus) in a residential household

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
All species	New	Animal	1	1	0	0	0	0
All species	Total	Animal	1	1	0	0	0	0

Control measures different from event level

Measures not implemented - Quarantine

ob_83215-Rio de Janeiro

Outbreak reference - RJ01

Started on - 21/05/2020

First administrative division - Rio de Janeiro

Ended on - 05/06/2020

Second administrative division - Rio de Janeiro

Epidemiological unit - Other

Geographic coordinates -
-22.902778,
-43.207778

Third administrative division - Portuaria

Location - Rio de Janeiro

Description of the affected populationdomestic cat (felis catus) in a residential home.

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

ob_86228-são paulo

Outbreak reference - SP02

Started on - 10/03/2021

First administrative division - São Paulo

Ended on - 25/03/2021

Second administrative division - São Paulo

Epidemiological unit - Other

Geographic coordinates -
-23.550278,
-46.633889

Third administrative division - Se

Location - são paulo

Description of the affected populationdomestic dog (canis lupus familiaris) in a residential household

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

All species	Total	Animal	2	1	0	0	0	0
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Control measures different from event level

Measures not implemented - Quarantine

ob_83232-SÃO PAULO

Outbreak reference - SP01 Started on - 22/12/2020 First administrative division - São Paulo
 Ended on - 06/01/2021 Second administrative division - São Paulo Epidemiological unit - Other
 Geographic coordinates - Third administrative division - Se Location - SÃO PAULO
 -23.550278,
 -46.633889

Description of the affected populationdomestic cat (felis catus) in a residential home

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

ob_83230-BELO HORIZONTE

Outbreak reference - MG01 Started on - 20/01/2021 First administrative division - Minas Gerais
 Ended on - 14/02/2021 Second administrative division - Belo Horizonte Epidemiological unit - Other
 Geographic coordinates - Third administrative division - Centro-Sul Location - BELO HORIZONTE
 -19.916667,
 -43.933333

Description of the affected populationdomestic dog (canis lupus familiaris) in a residential home

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Cats	New	Animal	-	-	-	-	-	-
Cats	Total	Animal	1	0	0	0	0	0
Dogs	New	Animal	-	-	-	-	-	-
Dogs	Total	Animal	2	1	0	0	0	0
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	3	1	0	0	0	0

1000144290-Curitiba

Started on - 10/12/2020 First administrative division - Paraná Ended on - 14/12/2020
 Second administrative division - Curitiba Epidemiological unit - Other Geographic coordinates -
 -25.429722,
 -49.271944
 Third administrative division - Matriz Location - Curitiba

Description of the affected populationDomestic cat (Felis catus) in a residential household.

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	-

1000144289-Curitiba

Started on - 22/11/2020

First administrative division - Paraná

Ended on - 07/12/2020

Second administrative division - Curitiba

Epidemiological unit - Other

Geographic coordinates -
-25.429722,
-49.271944

Third administrative division - Matriz

Location - Curitiba

Description of the affected population Domestic dog (Canis lupus familiaris) in a residential household.

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

1000144288-Curitiba

Started on - 21/11/2020

First administrative division - Paraná

Ended on - 07/12/2020

Second administrative division - Curitiba

Epidemiological unit - Other

Geographic coordinates -
-25.429722,
-49.271944

Third administrative division - Matriz

Location - Curitiba

Description of the affected population Domestic dog (Canis lupus familiaris) in a residential household.

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

1000144049-Recife

Started on - 07/12/2020

First administrative division - Pernambuco

Ended on - 13/01/2021

Second administrative division - Recife

Epidemiological unit - Other

Geographic coordinates -
-8.053889,
-34.880833

Third administrative division - Rpa 3

Location - Recife

Description of the affected population Domestic cat (Felis catus) in a residential household. The positive cat was asymptomatic.

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Dogs	New	Animal	-	-	-	-	-	-
Dogs	Total	Animal	3	0	0	0	0	-
Cats	New	Animal	-	-	-	-	-	-
Cats	Total	Animal	1	1	0	0	0	-

All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	4	1	0	0	0	-

1000144048-Moreno

Started on - 04/12/2020 First administrative division - Pernambuco Ended on - 13/01/2021
 Second administrative division - Moreno Epidemiological unit - Other Geographic coordinates -
 -8.118611,
 -35.092222
 Third administrative division - Moreno Location - Moreno

Description of the affected population Domestic cat (Felis catus) in a residential household. The positive cat was asymptomatic.

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Cats	New	Animal	-	-	-	-	-	-
Cats	Total	Animal	2	1	0	0	0	-
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	2	1	0	0	0	-

ob_83218-Rio de Janeiro

Outbreak reference - RJ04 Started on - 28/05/2020 First administrative division - Rio de Janeiro
 Ended on - 10/06/2020 Second administrative division - Rio de Janeiro Epidemiological unit - Other
 Geographic coordinates - Third administrative division - Portuaria Location - Rio de Janeiro
 -22.902778,
 -43.207778

Description of the affected population domestic dog (canis lupus familiaris) and cat (felis catus) in a residential home

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
Cats	New	Animal	-	-	-	-	-	-
Cats	Total	Animal	2	1	0	0	0	0
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	3	2	0	0	0	0

ob_83219-Rio de Janeiro

Outbreak reference - RJ05 Started on - 02/07/2020 First administrative division - Rio de Janeiro
 Ended on - 17/07/2020 Second administrative division - Rio de Janeiro Epidemiological unit - Other
 Geographic coordinates - Third administrative division - Portuaria Location - Rio de Janeiro
 -22.902778,
 -43.207778

Description of the affected population domestic dog (canis lupus familiaris) in a residential home

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
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Dogs	New	Animal	-	-	-	-	-	-
Dogs	Total	Animal	2	1	0	0	0	0
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	2	1	0	0	0	0

ob_83216-Rio de Janeiro

Outbreak reference - RJ02 Started on - 05/06/2020 First administrative division - Rio de Janeiro

Ended on - 03/07/2020 Second administrative division - Rio de Janeiro Epidemiological unit - Other

Geographic coordinates - Third administrative division - Portuaria Location - Rio de Janeiro
-22.902777,
-43.207778

Description of the affected populationdomestic dog (canis lupus familiaris) and cat (felis catus) in a residential home

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Dogs	New	Animal	-	-	-	-	-	-
Dogs	Total	Animal	2	1	0	0	0	0
Cats	New	Animal	-	-	-	-	-	-
Cats	Total	Animal	5	1	0	0	0	0
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	7	2	0	0	0	0

ob_83217-Rio de Janeiro

Outbreak reference - RJ03 Started on - 20/10/2020 First administrative division - Rio de Janeiro

Ended on - 04/11/2020 Second administrative division - Rio de Janeiro Epidemiological unit - Other

Geographic coordinates - Third administrative division - Portuaria Location - Rio de Janeiro
-22.902778,
-43.207778

Description of the affected populationdomestic cat (felis catus) in a residential home

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

ob_83225-CAMPO GRANDE

Outbreak reference - MS01 Started on - 04/02/2021 First administrative division - Mato Grosso do Sul

Ended on - 20/02/2021 Second administrative division - Campo Grande Epidemiological unit - Other

Geographic coordinates - Third administrative division - Regiao Location - CAMPO GRANDE
-20.481389,
-54.616111

Description of the affected populationdomestic dog (canis lupus familiaris) in a residential home

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Dogs	New	Animal	-	-	-	-	-	-
Dogs	Total	Animal	2	1	0	0	0	0
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	2	1	0	0	0	0

ob_83226-CAMPO GRANDE

Outbreak reference - MS02	Started on - 05/02/2021	First administrative division - Mato Grosso do Sul
Ended on - 20/02/2021	Second administrative division - Campo Grande	Epidemiological unit - Other
Geographic coordinates - -20.481389, -54.616111	Third administrative division - Regiao Urbana do Centro	Location - CAMPO GRANDE

Description of the affected populationdomestic cat (felis catus) in a residential home

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Dogs	New	Animal	-	-	-	-	-	-
Dogs	Total	Animal	1	0	0	0	0	0
Cats	New	Animal	-	-	-	-	-	-
Cats	Total	Animal	3	1	0	0	0	0
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	4	1	0	0	0	0

ob_83223-Rio de Janeiro

Outbreak reference - RJ09	Started on - 01/10/2020	First administrative division - Rio de Janeiro
Ended on - 28/01/2021	Second administrative division - Rio de Janeiro	Epidemiological unit - Other
Geographic coordinates - -22.902778, -43.207778	Third administrative division - Portuaria	Location - Rio de Janeiro

Description of the affected populationdomestic dog (canis lupus familiaris) in a residential home

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

ob_83224-Rio de Janeiro

Outbreak reference - RJ10	Started on - 02/10/2020	First administrative division - Rio de Janeiro
Ended on - 06/11/2020	Second administrative division - Rio de Janeiro	Epidemiological unit - Other

Geographic coordinates -
-22.902778,
-43.207778

Third administrative division - Portuaria

Location - Rio de Janeiro

Description of the affected populationdomestic dog (canis lupus familiaris) in a residential home

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

ob_83221-Rio de Janeiro

Outbreak reference - RJ07

Started on - 20/07/2020

First administrative division - Rio de Janeiro

Ended on - 08/08/2020

Second administrative division - Rio de Janeiro

Epidemiological unit - Other

Geographic coordinates -
-22.902778,
-43.207778

Third administrative division - Portuaria

Location - Rio de Janeiro

Description of the affected populationdomestic dog (canis lupus familiaris) in a residential home

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

ob_83222-Rio de Janeiro

Outbreak reference - RJ08

Started on - 01/09/2020

First administrative division - Rio de Janeiro

Ended on - 15/10/2020

Second administrative division - Rio de Janeiro

Epidemiological unit - Other

Geographic coordinates -
-22.902778,
-43.207778

Third administrative division - Portuaria

Location - Rio de Janeiro

Description of the affected populationdomestic dogs (canis lupus familiaris) in a residential home

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Dogs	New	Animal	-	-	-	-	-	-
Dogs	Total	Animal	2	2	0	0	0	0
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	2	2	0	0	0	0

1000144287-Curitiba

Started on - 19/11/2020

First administrative division - Paraná

Ended on - 30/11/2020

Second administrative division - Curitiba

Epidemiological unit - Other

Geographic coordinates -
-25.429722,

-49.271944

Third administrative division - Matriz Location - Curitiba

Description of the affected populationDomestic dog (Canis lupus familiaris) in a residential household.

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Dogs	New	Animal	-	-	-	-	-	-
Dogs	Total	Animal	5	2	0	0	0	-
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	5	2	0	0	0	-

1000144286-Curitiba

Started on - 12/11/2020

First administrative division - Paraná

Ended on - 20/11/2020

Second administrative division - Curitiba

Epidemiological unit - Other

Geographic coordinates -
-25.429722,
-49.271944

Third administrative division - Matriz Location - Curitiba

Description of the affected populationDomestic dog (Canis lupus familiaris) in a residential household.

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

ob_83220-Rio de Janeiro

Outbreak reference - RJ06

Started on - 15/07/2020

First administrative division - Rio de Janeiro

Ended on - 27/07/2020

Second administrative division - Rio de Janeiro

Epidemiological unit - Other

Geographic coordinates -
-22.902778,
-43.207778

Third administrative division - Portuaria

Location - Rio de Janeiro

Description of the affected populationdomestic dog (canis lupus familiaris) in a residential home

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Dogs	New	Animal	-	-	-	-	-	-
Dogs	Total	Animal	2	1	0	0	0	0
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	2	1	0	0	0	0

ob_86232-BRASÍLIA

Outbreak reference - DF01

Started on - 05/04/2021

First administrative division - Distrito Federal

Ended on - 10/04/2021

Second administrative division - Brasília

Epidemiological unit - Other

Geographic coordinates -
-15.793889,

Third administrative division - Brazilia

Location - BRASÍLIA

-47.882778

Description of the affected populationdomestic cat (felis catus) in a residential Household. the animal had severe respiratory failure that evolved to death. other illnesses tested resulted negative.

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

Control measures different from event level

Measures not implemented - Quarantine

ob_86231-são paulo

Outbreak reference - SP05 Started on - 19/03/2021 First administrative division - São Paulo
Ended on - 03/04/2021 Second administrative division - São Paulo Epidemiological unit - Other
Geographic coordinates - Third administrative division - Se Location - são paulo
-23.550278,
-46.633889

Description of the affected populationdomestic cat (felis catus) in a residential home

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	2	0	0	0	0	0
Dogs	Total	Animal	2	0	0	0	0	0
All species	New	Animal	3	1	0	0	0	0
All species	Total	Animal	3	1	0	0	0	0

Control measures different from event level

Measures not implemented - Quarantine

ob_86230-são paulo

Outbreak reference - SP04 Started on - 01/04/2021 First administrative division - São Paulo
Ended on - 03/04/2021 Second administrative division - São Paulo Epidemiological unit - Other
Geographic coordinates - Third administrative division - Se Location - são paulo
-23.550278,
-46.633889

Description of the affected populationdomestic dog (canis lupus familiaris) in a residential home

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Dogs	New	Animal	2	1	0	0	0	0
Dogs	Total	Animal	2	1	0	0	0	0
Cats	New	Animal	9	0	0	0	0	0
Cats	Total	Animal	9	0	0	0	0	0
All species	New	Animal	11	1	0	0	0	0

All species	Total	Animal	11	1	0	0	0	0
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Control measures different from event level

Measures not implemented - Quarantine

1000138665-Cuiabá

Started on - 05/10/2020 First administrative division - Mato Grosso Ended on - 16/10/2020
 Second administrative division - Cuiabá Epidemiological unit - Other Geographic coordinates -
 -15.5989,-56.0949
 Third administrative division - Coxipo da Ponte Location - Cuiabá

Description of the affected populationA female domestic cat (Felis catus), without clinical signs. Oral and nasal swabs were taken from a cat and a dog asymptomatic living in a household with COVID-19 confirmed human cases. The first sample from the cat, collected on 5 October 2020, was RT-PCR positive at the laboratories of the two universities (results received on 16 and on 22 October); the second sample, collected on 16 October 2020, was negative to the test carried out at the laboratory of the University of Mato Grosso (result received on 23 October 2020). The dog's samples were negative.

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Cats	New	Animal	-	-	-	-	-	-
Cats	Total	Animal	1	1	0	0	0	-
Dogs	New	Animal	-	-	-	-	-	-
Dogs	Total	Animal	1	0	0	0	0	-
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	2	1	0	0	0	-

ob_83229-CAMPO GRANDE

Outbreak reference - MS05 Started on - 27/02/2021 First administrative division - Mato Grosso do Sul
 Ended on - 14/03/2021 Second administrative division - Campo Grande Epidemiological unit - Other
 Geographic coordinates - -20.481389, -54.616111 Third administrative division - Regiao Urbana do Centro Location - CAMPO GRANDE

Description of the affected populationdomestic dog (canis lupus familiaris) in a residential home

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Cats	New	Animal	-	-	-	-	-	-
Cats	Total	Animal	3	0	0	0	0	0
Dogs	New	Animal	-	-	-	-	-	-
Dogs	Total	Animal	3	1	0	0	0	0
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	6	1	0	0	0	0

ob_83227-CAMPO GRANDE

Outbreak reference - MS03 Started on - 15/02/2021 First administrative division - Mato Grosso do Sul
 Ended on - 02/03/2021 Second administrative division - Campo Grande Epidemiological unit - Other

Geographic coordinates -
-20.481389,
-54.616111

Third administrative division - Regiao
Urbana do Centro

Location - CAMPO GRANDE

Description of the affected populationdomestic cat (felis catus) in a residential home

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Cats	New	Animal	-	-	-	-	-	-
Cats	Total	Animal	2	1	0	0	0	0
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	2	1	0	0	0	0

ob_83228-CAMPO GRANDE

Outbreak reference - MS04

Started on - 18/02/2021

First administrative division - Mato Grosso
do Sul

Ended on - 05/03/2021

Second administrative division - Campo
Grande

Epidemiological unit - Other

Geographic coordinates -
-20.481389,
-54.616111

Third administrative division - Regiao
Urbana do Centro

Location - CAMPO GRANDE

Description of the affected populationdomestic dog (canis lupus familiaris) in a residential home

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Dogs	New	Animal	-	-	-	-	-	-
Dogs	Total	Animal	2	1	0	0	0	0
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	2	1	0	0	0	0



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