

## Immediate notification (Final report)

18/11/2020

**The event is resolved. No more follow-up reports will be submitted.**

Sender	Country/territory	Report ID
Delegate of Argentina	Argentina	IN_36560
Report reference	Event status	Self-declaration
SARS COV 2	Resolved	No

### General information

Country or zone - Country	Disease - SARS-CoV-2 in animals (Inf. with)	Started on - 01/09/2020
Animal type - Terrestrial	Confirmed on - 06/09/2020	Causal agent - SARS-CoV-2
Ended on - 16/11/2020	Disease category - Emerging	Reported on - 18/11/2020
Reason - Emerging disease		

### Disease impact

Outbreak morbidity - 1.0	Outbreak mortality - 0.0
Zoonotic potential - Yes	Zoonotic potential description - Desconocido

### Epidemiology

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

Epidemiological comments Oropharyngeal and rectal swabs were taken and serum was collected. Of the seven animals tested, six were positive for SARS-CoV-2 using the qRT-PCR test for the ORF, RdRP, E and N genes using the commercial kit GeneFinder™&#65039; COVID-19 PLUSRealAmp Kit which amplifies the genomic regions corresponding to the E, RdRP and N genes using BioRad's CFX-96 Real Time thermocycler equipment. Three animals showed symptoms: a cat from Santiago del Estero (weakening and anorexia for 12 to 24 hours), a cat from La Plata (sneezing and nasal secretions) and one of the dogs from Santiago del Estero (conjunctivitis, cough, dyspnea and weakening). The rest of the animals were asymptomatic.

### Control measures at event level

#### Domestic control measures

- Applied
- Disinfection
  - Disinfection / Disinfestation
  - Quarantine

#### Wild control measures

- Applied
- Disinfection
  - Disinfection / Disinfestation
  - Quarantine

### Diagnostic

Clinical signs - No

Method of diagnostic - Diagnostic test

Test name	Category	Test type	Laboratory	Species sampled	Outbreaks	Tested from	Tested until	Result
Reverse transcription - polymerase	Nucleic acid detection	Laboratory Test	Centro de Análisis Moleculares y MetabólicosLaboratorio Provincial de	Dogs		13/10/2020		Positive

chain reaction (RT-PCR)			Referencia para Virus respiratorios y COVID-19 Ministerio de Salud. Santiago del Estero					
Reverse transcription - polymerase chain reaction (RT-PCR)	Nucleic acid detection	Laboratory Test	Centro de Análisis Moleculares y Metabólicos Laboratorio Provincial de Referencia para Virus respiratorios y COVID-19 Ministerio de Salud. Santiago del Estero	Cats		13/10/2020		Positive
Reverse transcription - polymerase chain reaction (RT-PCR)	Nucleic acid detection	Laboratory Test	Facultad de Ciencias Veterinarias de Universidad Nacional de La Plata	Cats		06/09/2020		Positive

## Quantitative data summary

### Measuring unit - Animal

Species	Type	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated	Outbreak morbidity	Outbreak mortality
Cats	New	4	2	0	0	0	-	-	-
Cats	Total	4	2	0	0	0	-	50.0	0.0
Dogs	New	12	4	0	1	1	-	-	-
Dogs	Total	12	4	0	1	1	-	33.33	0.0
All species	New	16	6	0	1	1	-	-	-
All species	Total	16	6	0	1	1	-	37.5	0.0

Event morbidity - 1.0

Event mortality - 0.0

## Outbreaks

### 1000139731-Ciudad de Santiago del Estero. Casa 2

Started on - 09/10/2020

First administrative division - Santiago del Estero

Ended on - 16/11/2020

Second administrative division - Capital

Epidemiological unit - Other

Geographic coordinates - -27.8,-64.2667

Location - Ciudad de Santiago del Estero. Casa 2

Description of the affected population These samples were taken as part of research conducted within projects funded by the National Agency for the Promotion of Research, Technological Development and Innovation, under the aegis of the Coronavirus Unit of MINCYT-AGENCIA-CONICET. This project carries out the diagnosis of pets living with people affected by COVID 19. These samples were particularly analysed by the Centre for Molecular and Metabolic Analysis, the provincial reference laboratory for respiratory viruses and COVID-19 of the Ministry of Health in Santiago del Estero. Samples were taken from animals in three houses in the provincial capital where people were diagnosed positive for COVID 19. The outbreaks are not linked to each other. House 2: one dog positive to SARS-CoV-2 detection living with two other dogs.

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

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

### 1000139732-Ciudad de Santiago del Estero. Casa 3

Started on - 09/10/2020

First administrative division - Santiago del Estero

Ended on - 16/11/2020

Second administrative division - Capital

Epidemiological unit - Other

Geographic coordinates -  
-27.8,-64.2667

Location - Ciudad de Santiago del Estero.  
Casa 3

Description of the affected population These samples were taken as part of research conducted within projects funded by the National Agency for the Promotion of Research, Technological Development and Innovation, under the aegis of the Coronavirus Unit of MINCYT-AGENCIA-CONICET. This project carries out the diagnosis of pets living with people affected by COVID 19. These samples were particularly analysed by the Centre for Molecular and Metabolic Analysis, the provincial reference laboratory for respiratory viruses and COVID-19 of the Ministry of Health in Santiago del Estero. Samples were taken from animals in three houses in the provincial capital where people were diagnosed positive for COVID 19. The outbreaks are not linked to each other. House 3: one dog positive to SARS-CoV-2 detection. The positive dog of house 3 was euthanized upon decision of the owners, making it impossible to follow up this case.

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

### 1000139431-Ciudad de Santiago del Estero. Casa 1

Outbreak reference - FOCO SANTIAGO

Started on - 09/10/2020

First administrative division - Santiago del Estero

Ended on - 16/11/2020

Second administrative division - Capital

Epidemiological unit - Other

Geographic coordinates -  
-27.8,-64.2667

Location - Ciudad de Santiago del Estero.  
Casa 1

Description of the affected population These samples were taken as part of research conducted within projects funded by the National Agency for the Promotion of Research, Technological Development and Innovation, under the aegis of the Coronavirus Unit of MINCYT-AGENCIA-CONICET. This project carries out the diagnosis of pets living with people affected by COVID 19. These samples were particularly analysed by the Centre for Molecular and Metabolic Analysis, the provincial reference laboratory for respiratory viruses and COVID-19 of the Ministry of Health in Santiago del Estero. Samples were taken from animals in three houses in the provincial capital where people were diagnosed positive for COVID 19. The outbreaks are not linked to each other. House 1: two dogs and one cat positive to SARS-CoV-2 detection of the eleven animals living together (eight dogs and three cats).

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Dogs	New	Animal	8	2	0	0	1	-
Dogs	Total	Animal	8	2	0	0	1	-
Cats	New	Animal	3	1	0	0	0	-
Cats	Total	Animal	3	1	0	0	0	-
All species	New	Animal	11	3	0	0	1	-

All species	Total	Animal	11	3	0	0	1	-
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## 1000139494-LA PLATA

Outbreak reference - FOCO LA PLATA      Started on - 01/09/2020      First administrative division - Buenos Aires  
 Ended on - 16/11/2020      Second administrative division - La Plata      Epidemiological unit - Other  
 Geographic coordinates -      Location - LA PLATA  
 -34.915368,  
 -57.954662

Description of the affected population Feline living with a person with a confirmed diagnosis of COVID 19, analysed as part of research carried out within projects funded by the National Agency for the Promotion of Research, Technological Development and Innovation, under the aegis of the MINCYT-AGENCIA-CONICET Coronavirus Unit. This project carries out the diagnosis of pets living with people affected with COVID 19. These samples were particularly analysed by the Faculty of Veterinary Sciences of the National University of La Plata.

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



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