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Subject: PRO/AH/EDR> COVID-19 update (109): animal, Argentina, Italy, cat, dog, OIE

Archive Number: 20210323.8262789

CORONAVIRUS DISEASE 2019 UPDATE (109): ARGENTINA, ITALY, CAT, DOG, OIE

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A ProMED-mail post

<http://www.promedmail.org>

ProMED-mail is a program of the

International Society for Infectious Diseases

<http://www.isid.org>

In this post:

[1] Argentina: (Santiago del Estero) COVID-19, cat and dog

[2] Italy: (Piemonte) COVID-19, variant B.1.1.7, cat

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[1] Argentina: (Santiago del Estero) COVID-19, cat and dog

Date: Mon 22 Mar 2021

Source: OIE-WAHIS (World Animal Health Information System) [edited]

<https://wahis.oie.int/#/report-info?reportId=30744>

SARS-CoV-2 in animals, Argentina

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Summary

Report type: immediate notification

Start on: 26 Dec 2020

Confirmed on: 10 Feb 2021

Ended on: 30 Jan 2021

Reported on: 18 Mar 2021

Event status: ongoing

Reason for notification: emerging disease

Event morbidity (%): 1

Event mortality: -

Zoonotic potential: no

Diagnostic details: laboratory test

Causal agent: SARS-CoV-2

New outbreaks (4)

Outbreak location 1: Capital, Santiago del Estero

Started on: 16 Jan 2021

Ended on: 30 Jan 2021

Epidemiological unit: other

Total animals affected:

Species / Susceptible / Cases / Deaths / Killed and disposed of / Slaughtered or killed for commercial use / Vaccinated

Dogs / 2 / 2 / 0 / 0 / 0 / 0

Cats / 1 / 1 / 0 / 0 / 0 / 0

Affected population description: 2 canines, a feline, a guinea pig, and 2 snakes live in the household. The snakes were not swabbed and no serum was obtained. None of the animals showed any signs. Tests are carried out within the framework of research developed by projects financed by the national agency for the promotion of research, technological development, and innovation carried out within the framework of the coronavirus unit of the MINCYT-AGENCIA-CONICET [Ministry of Science, Technology and Innovation-National Scientific and Technical Research Council]. Within this project diagnosis of companion animals living with people affected by COVID-19 is performed.

Outbreak location 2: Capital, Santiago del Estero

Started on: 13 Jan 2021

Ended on: 27 Jan 2021

Epidemiological unit: other

Total animals affected:

Species / Susceptible / Cases / Deaths / Killed and disposed of / Slaughtered or killed for commercial use / Vaccinated

Cats / 1 / 0 / 0 / 0 / 0 / 0

Dogs / 1 / 1 / 0 / 0 / 0 / 0

Affected population description: 2 animals live together in the household, a canine and a feline. They did not show signs. Only the canine was swabbed and blood was taken from both of them. Tests are carried out within the framework of research developed by projects financed by the national agency for the promotion of research, technological development and innovation carried out within the framework of the coronavirus unit of the MINCYT-AGENCIA-CONICET. Within this project diagnosis of companion animals living with people affected by COVID-19 is performed.

Outbreak location 3: Capital, Santiago del Estero

Started on: 12 Jan 2021

Ended on: 26 Jan 2021

Epidemiological unit: other

Total animals affected:

Species / Susceptible / Cases / Deaths / Killed and disposed of / Slaughtered or killed for commercial use / Vaccinated

Dogs / 1 / 1 / 0 / 0 / 0 / 0

Affected population description: tests are carried out within the framework of research developed by projects financed by the national agency for the promotion of research, technological development and innovation carried out within the framework of the coronavirus unit of the MINCYT-AGENCIA-CONICET. Within this project diagnosis of companion animals living with people affected by COVID-19 is performed.

Outbreak location 4: Banda, Santiago del Estero

Started on: 26 Dec 2020

Ended on: 9 Jan 2021

Epidemiological unit: other

Total animals affected:

Species / Susceptible / Cases / Deaths / Killed and disposed of / Slaughtered or killed for commercial use / Vaccinated

Cats / 14 / 1 / 0 / 0 / 0 / 0

Dogs / 2 / 0 / 0 / 0 / 0 / 0

Affected population description: the cat lives with 2 adult canines and 13 other felines. The cat was nursing 7 kittens with gastrointestinal signs, cachexia, and purulent ocular secretion. Oropharyngeal and rectal swabs were performed on the 7 kittens and the cat. Tests are carried out within the framework of research developed by projects financed by the national agency for the promotion of research, technological development and innovation carried out within the framework of the coronavirus unit of the

MINCyT-AGENCIA-CONICET. Within this project diagnosis of companion animals living with people affected by COVID-19 is performed.

#### Epidemiology

Source of the outbreak(s) or origin of infection: unknown or inconclusive

Epidemiological comments: none of the positive animals showed clinical signs of any kind. In all cases, there was contact with a person positive to COVID-19.

Domestic control measures applied: quarantine; disinfection

#### Diagnostic test results

Laboratory name and type / Species / Test / Test result date / Result.

[Center for Molecular and Metabolic Analysis Provincial Reference Laboratory for Respiratory Viruses and COVID-19 Ministry of Health Santiago del Estero (local laboratory)] / cats/dogs / Real-time reverse transcription polymerase chain reaction (rRT-PCR)b / 10 Feb 2021 / positive

[The location of the outbreaks can be seen on the interactive map included in the OIE report at the source URL above.]

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[HealthMap/ProMED map of Argentina: <https://promedmail.org/promed-post?place=8262789,56607>]

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[2] Italy: (Piemonte) COVID-19, variant B.1.1.7, cat

Date: Mon 22 Mar 2021

Source: OIE-WAHIS (World Animal Health Information System) [edited]

<https://wahis.oie.int/#/report-info?reportId=30889>

#### SARS-CoV-2 in animals, Italy

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##### Summary

Report type: immediate notification

Start on: 7 Mar 2021

Confirmed on: 15 Mar 2021

Ended on: -

Reported on: 19 Mar 2021

Event status: ongoing

Reason for notification: emerging disease

Event morbidity (%): 100

Event mortality: -

Zoonotic potential: -

Diagnostic details: clinical, laboratory test

Causal agent: SARS-CoV-2

##### New outbreaks (1)

Outbreak location: Novara, Piemonte

Started on: 7 Mar 2021

Ended on: -

Epidemiological unit: other

Total animals affected:

Species / Susceptible / Cases / Deaths / Killed and disposed of / Slaughtered or killed for commercial use / Vaccinated  
Cats / 1 / 1 / 0 / 0 / 0 / 0

Affected population description: acute dyspnea, rattle, snoring, breathing difficulties, bilateral nasal discharge. After 5 days, signs mostly receded except for snoring. The cat lives in an isolated house with rare occasions to frequent a neighboring wood.

#### Epidemiology

Source of the outbreak(s) or origin of infection: cat who lives in the same house as positive people to SARS-CoV-2.

Epidemiological comments: the partial sequence of the S gene comprising the region of the receptor binding domain of SARS-CoV-2 showed the mutation N501Y, which together with 3 other mutations (A570D, P681H, T161I) and deletion 69-70 is compatible with [SARS-CoV-2 variant B.1.1.7. - Mod.CRD]

Domestic control measures applied: movement control inside the country.

#### Diagnostic test results

Laboratory name and type / Species / Test / Test result date / Result.

Experimental Zooprophyllactic Institute (IZS), Piemonte, Liguria and Valle d'Aosta, ITA national laboratory / cats / Real-time polymerase chain reaction (real-time PCR) / 15 Mar 2021 / positive

[The location of the outbreaks can be seen on the interactive map included in the OIE report at the source URL above.]

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[HealthMap/ProMED map of Italy: <https://promedmail.org/promed-post?place=8262789,68255>

On 16 Mar 2021, SARS-CoV-2 variant B.1.1.7 was detected for the 1st time in a dog and a cat from the same household in Texas, USA. This was a result of part of a study led by a researcher at Texas A&M University. According to Dr Sarah Hamer, a veterinarian and epidemiologist in the Texas A&M College of Veterinary Medicine & Biomedical Sciences (CVMBS) who serves as principal investigator for the COVID-19 & Pets study that uncovered the variant: "Surveillance of SARS-CoV-2 in animals in and around households and genetic investigations of the virus from infected pets are critically important for understanding the transmission and evolution of the virus as well as predicting what may happen next." (See ProMED-post 20210316.8251626)

The following has been extracted from the OIE Technical factsheet "Infection with SARS-CoV-2 in animals" (last updated in January 2021) [https://www.oie.int/fileadmin/Home/MM/EN\\_Factsheet\\_SARS-CoV-2.pdf](https://www.oie.int/fileadmin/Home/MM/EN_Factsheet_SARS-CoV-2.pdf).

"People who are suspected or confirmed to be infected with SARS-CoV-2 should restrict contact with mammalian animals, including pets, just like they would with people during their illness.

"Animals suspected or confirmed to be infected with SARS-CoV-2 should remain separated from other animals and humans while infected."

More information about the SARS-CoV-2 events in animals reported by countries to the OIE can be found at <https://www.oie.int/en/scientific-expertise/specific-information-and-recommendations/questions-and-answers-on-2019-novel-coronavirus/events-in-animals/> (last updated 22 Mar 2021).

- Mod.CRD]

# See Also

COVID-19 update (101): animal, USA, UK variant 20210316.8251626

COVID-19 update (93): animal, Estonia (HA) cat, OIE 20210310.8239589

COVID-19 update (71): animal, mink, WHO/FAO/OIE risk assessment 20210218.8200008

COVID-19 update (68): animal-human interface, OIE, mink 20210216.8195382

COVID-19 update (65): animal, China, origin, WHO mission, Huanan market 20210214.8190188

COVID-19 update (62): animal, Latvia (RA) cat, OIE 20210212.8187389

COVID-19 update (60): animal, SARS-CoV-2-related viruses, pangolin, bat 20210211.8184900

COVID-19 update (58): animal, China, origin, WHO mission 20210210.8183343

COVID-19 update (57): animal China (Hong Kong) dog, OIE 20210210.8182259

COVID-19 update (53): animal, mink, Denmark, zoonotic aspects 20210207.8173294

COVID-19 update (49): animal, Bosnia & Herzegovina (SA) dog, OIE 20210205.8165920

COVID-19 update (47): animal, Poland (PM), mink, OIE 20210204.8162830

COVID-19 update (43): animal, China, origin, WHO mission, Huanan market 20210201.8153415

COVID-19 update (41): animal, China, origin, WHO experts mission, visits start 20210130.8149337

COVID-19 update (39): animal, Spain, Switzerland, mink, cat, OIE 20210129.8146532

COVID-19 update (35): animal, South Korea (KN) cat 20210126.8138196

COVID-19 update (29): animal, peridomestic wildlife, experimental infection 20210122.8126905

COVID-19 update (27): animal, China, origin, WHO experts mission 20210121.8124456

COVID-19 update (22): animal, Russia (LN) St Petersburg, cat 20210117.8111937

2020

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COVID-19 update (552): USA, animal, cat, dog, snow leopard, OIE 20201223.8042405

COVID-19 update (535): Denmark, animal, mink, zoonotic, cat, RFI 20201213.8015149

COVID-19 update (525): Spain, animal, zoo, lion, human 20201208.8002466

COVID-19 update (519): Switzerland (ZH) animal, cat, OIE 20201204.7993204

COVID-19 update (506): Argentina (BA, SE) animal, cat, dog, OIE 20201125.7972283

COVID-19 update (495): animal, cat, transmission model 20201119.7954363

COVID-19 update (463): Brazil (MT) animal, cat, OIE 20201031.7905784

COVID-19 update (452): Chile (RM) animal, cat, OIE 20201023.7885452

COVID-19 update (350): USA (TX) animal, cat 20200808.7658191

COVID-19 update (345): animal, cat, research, experimental infection 20200805.7648370

COVID-19 update (334): animal, Netherlands, mink, spread, UK, cat, 1st rep, OIE 20200727.7617582

COVID-19 update (330): China (Hong Kong) animal, cat, OIE 20200724.7609215

COVID-19 update (319): Spain (AR) animal, farmed mink, 1st rep 20200717.7584560

COVID-19 update (317): Netherlands (NB) animal, farmed mink, spread 20200716.7578453

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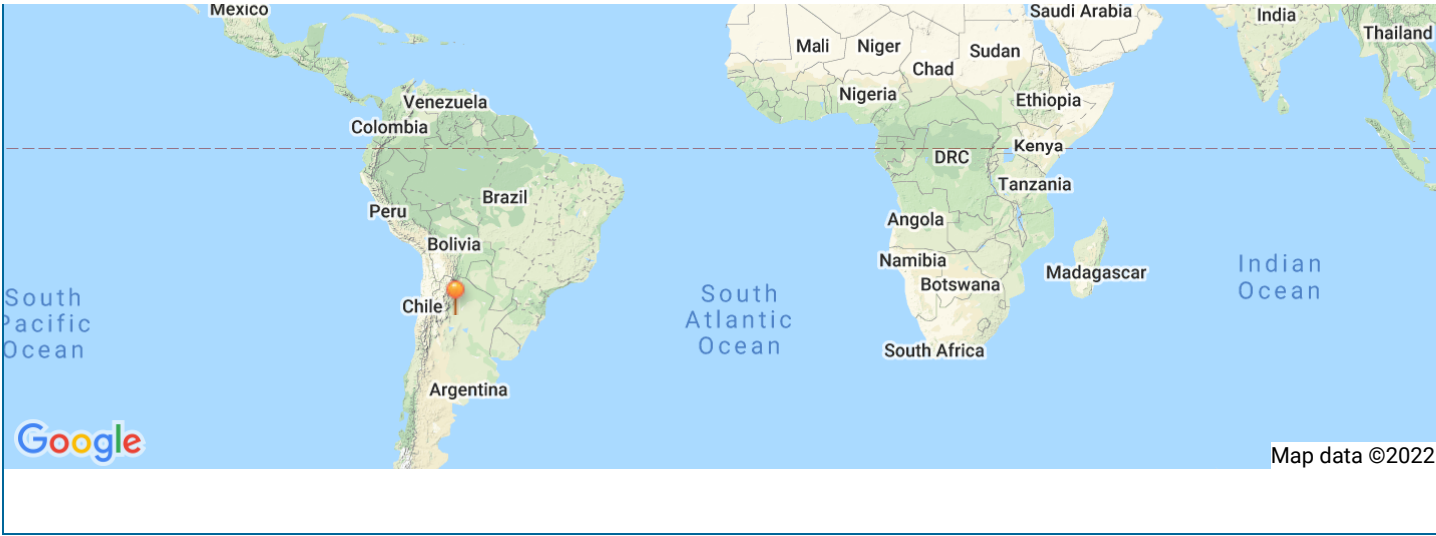
ProMED-mail alerts



A map of Europe, North Africa, and the Middle East. Red markers indicating COVID-19 hotspots are placed in the United Kingdom, France, Germany, Italy, and Spain. The map also shows other countries like Norway, Poland, Ukraine, Turkey, Iraq, Iran, Pakistan, Afghanistan, Kazakhstan, Mongolia, China, Russia, Algeria, Libya, Egypt, Canada, and the United States. The North Atlantic Ocean is labeled.

<https://promedmail.org/promed-post/?id=8262789>

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