



Published Date: 2020-09-27 22:33:40 CEST

Subject: PRO/AH/EDR> COVID-19 update (417): Japan (TK) animal, dog, OIE

Archive Number: 20200927.7817541

CORONAVIRUS DISEASE 2019 UPDATE (417): JAPAN (TOKYO) ANIMAL, DOG, OIE

A ProMED-mail post

<http://www.promedmail.org>

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International Society for Infectious Diseases

<http://www.isid.org>

Date: Fri 25 Sep 2020

Source: OIE, WAHIS [edited] https://www.oie.int/wahis_2/public/wahid.php/Reviewreport/Review?

[page_refer=MapFullEventReport&reportid=35864](https://www.oie.int/wahis_2/public/wahid.php/Reviewreport/Review?page_refer=MapFullEventReport&reportid=35864)

SARS-CoV-2/COVID-19, Japan

Information received on 25 Sep 2020 from Dr Norio Kumagai, Director, Chief Veterinary Officer, Animal Health Division, Food Safety and Consumer Affairs Bureau, Ministry of Agriculture, Forestry and Fisheries, Tokyo, Japan

Summary

Report type: immediate notification

Date of start of the event: 26 Jul 2020

Date of confirmation of the event: 3 Aug 2020

Report date: 25 Sep 2020

Date submitted to OIE: 25 Sep 2020

Reason for notification: emerging disease

Morbidity: 1 (scale 0 to 5)

Mortality: 0 (scale 0 to 5)

Zoonotic impact: Zoonotic potential currently unknown

Causal agent: SARS-CoV-2

New outbreaks (4)

Outbreak location 1: Tokyo

Date of start of the outbreak: 26 Jul 2020

Outbreak status: resolved 30 Jul 2020

Epidemiological unit: not applicable

Animals affected:

Species / Susceptible / Cases / Deaths / Killed and disposed of / Slaughtered

Dogs / 1 / 1 / 0 / 0 / 0

Affected population: One domestic dog

Outbreak location 2: Tokyo

Date of start of the outbreak: 31 Jul 2020

Outbreak status: resolved 10 Aug 2020

Epidemiological unit: not applicable

Animals affected:

Species / Susceptible / Cases / Deaths / Killed and disposed of / Slaughtered

Dogs / 2 / 1 / 0 / 0 / 0

Affected population: One domestic dog

Outbreak location 3: Tokyo

Date of start of the outbreak: 7 Aug 2020

Outbreak status: resolved 21 Aug 2020

Epidemiological unit: not applicable

Animals affected:

Species / Susceptible / Cases / Deaths / Killed and disposed of / Slaughtered

Dogs / 1 / 1 / 0 / 0 / 0

Affected population: One domestic dog

Outbreak location 4: Tokyo

Date of start of the outbreak: 12 Aug 2020

Outbreak status: resolved 24 Aug 2020

Epidemiological unit: not applicable

Animals affected:

Species / Susceptible / Cases / Deaths / Killed and disposed of / Slaughtered

Dogs / 1 / 1 / 0 / 0 / 0

Affected population: One domestic dog

Summary of outbreaks:

Total outbreaks: 4

Total affected animals:

Species / Susceptible / Cases / Deaths / Killed and disposed of / Slaughtered

Dogs / 5 / 4 / 0 / 0 / 0

Outbreak statistics [rates apparent, expressed as percentages]

Species / Morbidity rate / Mortality rate / Case fatality rate / Proportion susceptible animals lost*

Dogs / 80 / 0 / 0 / 0

*Removed from the susceptible population through death, destruction, and/or slaughter

Epidemiology

Source of the outbreak(s) or origin of infection: Suspected human to animal transmission

Epidemiological comments: Outbreak 1, 2 and 3 since [April 2020], a private company in Japan has been running a voluntary service to take care of companion animals owned by COVID-19 patients while the owners are in hospital or isolation. From late July to early August 2020, the dogs were entrusted to the private company by their owners who were to be hospitalized due to COVID-19. Nasal and throat swabs were taken from the dogs at the quarantine facility owned by the private company. Samples were tested positive for SARS-CoV2 by the tests conducted by the National Laboratory in Tokyo. The dogs were returned to the owners after negative results have been confirmed. The dogs were placed under quarantine until negative results were confirmed.

Note: Outbreaks 1 and 2 have already been reported to the OIE by the delegate letter dated on [7 Aug 2020]. Outbreak 4: The dog was temporarily transferred to the public facility on 12 Aug 2020 after its owner was hospitalized due to COVID-19. Nasal and oral swabs were taken from the dog at the public facility. Samples were tested positive for SARS-CoV2 by the tests conducted by the National Laboratory in Tokyo. The dog was placed under quarantine for sufficient time. None of these 4 dogs have exhibited any clinical signs. Note that the location of the outbreaks used in this report is that of MAFF to protect any data relating to human cases.

Control measures

Measures applied: traceability; quarantine; disinfection; vaccination prohibited; no treatment of affected animals

Measures to be applied: no other measures

Diagnostic test results

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

The National Institute for Infectious Diseases (National laboratory) / Dogs / gene sequencing / 3 Aug 2020 / Positive

The National Institute for Infectious Diseases (National laboratory) / Dogs / gene sequencing / 7 Aug 2020 / Positive

The National Institute for Infectious Diseases (National laboratory) / Dogs / gene sequencing / 18 Aug 2020 / Positive

The National Institute for Infectious Diseases (National laboratory) / Dogs / real-time reverse transcriptase/polymerase chain reaction (RRT-PCR) / 30 Jul 2020 / Positive

The National Institute for Infectious Diseases (National laboratory) / Dogs / real-time reverse transcriptase/polymerase chain reaction (RRT-PCR) / 2 Aug 2020 / Positive

The National Institute for Infectious Diseases (National laboratory) / Dogs / real-time reverse transcriptase/polymerase chain reaction (RRT-PCR) / 10 Aug 2020 / Positive

The National Institute for Infectious Diseases (National laboratory) / Dogs / real-time reverse transcriptase/polymerase chain reaction (RRT-PCR) / 14 Aug 2020 / Positive

The National Institute for Infectious Diseases (National laboratory) / Dogs / virus neutralization test (VNT) / 25 Aug 2020 / Positive

The National Institute for Infectious Diseases (National laboratory) / Dogs / virus neutralization test (VNT) / 16 Sep 2020 / Positive

The National Institute for Infectious Diseases (National laboratory) / Dogs / virus neutralization test (VNT) / 16 Sep 2020 / Positive

The Institute of medical Science, The University of Tokyo (Private Laboratory) / Dogs / enzyme-linked immunosorbent assay (ELISA) / 31 Aug 2020 / Positive

The Institute of medical Science, The University of Tokyo (Private Laboratory) / Dogs / virus neutralization test (VNT) / 31 Aug 2020 / Positive

Future reporting

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

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

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Communicated by:

ProMED-mail

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[The letter mentioned in the epidemiological comment section is available at

https://www.oie.int/fileadmin/Home/MM/Japan_08.2020.pdf.

Member countries have been keeping the OIE updated on all investigations and outcomes of investigations in animals.

Information is available at <https://www.oie.int/en/scientific-expertise/specific-information-and-recommendations/questions-and-answers-on-2019novel-coronavirus/events-in-animals/>.

More specific information and recommendations about COVID-19 in animals are available at the OIE COVID-19 Portal at

<https://www.oie.int/en/scientific-expertise/specific-information-and-recommendations/questions-and-answers-on-2019novel-coronavirus/oies-response/>. - Mod.CRD

HealthMap/ProMED map:

Tokyo, Tokyo, Japan: <https://promedmail.org/promed-post?place=7817541,64299>

See Also

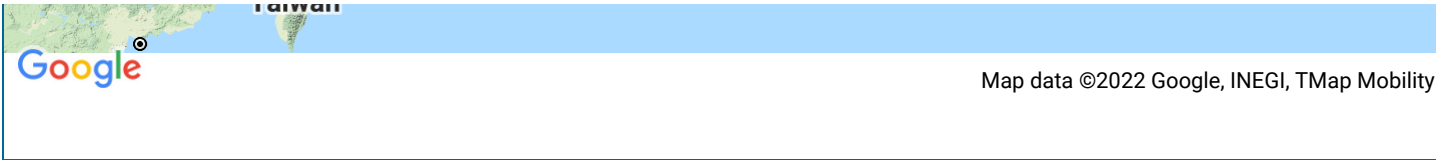
COVID-19 update (406): animal, Netherlands (LI), Denmark (ND), farm mink, spread 20200918.7794239
COVID-19 update (401): Netherlands (NB), Denmark, farmed mink, spread 20200914.7777661
COVID-19 update (394): Netherlands (NB) animal, farmed mink, spread 20200908.7759382
COVID-19 update (387): Netherlands, mink, animal & public health, research 20200902.7740793
COVID-19 update (382): Netherlands, animal, farmed mink, spread, control 20200830.7730463
COVID-19 update (376): animal, ferret, mink, comment 20200827.7721923
COVID-19 update (366): animal, USA (UT) mink 20200818.7692815
COVID-19 update (364): USA (NC, NY) animal, dog, comment 20200818.7689234
COVID-19 update (363): animal, Denmark (ND) Netherlands (NB,LI) mink, spread 20200817.7687830
COVID-19 update (360): USA (NC, NY) animal, dog, comment 20200815.7681907
COVID-19 update (355): USA (NC) animal, dog 20200813.7672505
COVID-19 update (350): USA (TX) animal, cat 20200808.7658191
COVID-19 update (346): USA (LA) animal, dog, conf 20200805.7648734
COVID-19 update (345): animal, cat, research, experimental infection 20200805.7648370
COVID-19 update (340): animal, China, enviro monitoring, Netherlands (NB), mink 20200801.7635820
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 (324): Netherlands (NB) animal, farmed mink, spread 20200719.7591013
COVID-19 update (322): USA (SC) animal, dog 20200719.7588843
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
COVID-19 update (312): China, SARS-CoV2 origin, animal reservoir, WHO mission 20200711.7565035
COVID-19 update (308): USA (TX) animal, dog conf. 20200708.7554832
COVID-19 update (299): USA (GA) animal, dog conf 20200703.7535112
COVID-19 update (284): Denmark (ND) animal, farmed mink, spread, dog 20200624.7506728
COVID-19 update (281): Netherlands (NB, LI) farmed mink, spread, animal, global 20200623.7502849
COVID-19 update (280): animal, pangolin, research 20200623.7502805
COVID-19 update (267): animal, domestic, wild, cat, research 20200617.7480013
COVID-19 update (266): Denmark (ND) animal, farmed mink, 1st rep 20200617.7479510
COVID-19 update (251): Netherlands (NB, LI) animal, farmed mink, spread, culling 20200610.7453845
COVID-19 update (248): Netherlands (NB, LI) animal, mink, spread, culling, cat 20200609.7446478
COVID-19 update (238): USA (MN) animal, cat 20200605.7429133
COVID-19 update (236): Netherlands (NB, LI) animal, farmed mink, spread, culling 20200604.7427849
COVID-19 update (231): USA (NY) animal, dog conf. 20200602.7420541
COVID-19 update (230): Netherlands (NB, LI) animal, farmed mink, spread, control 20200602.7420433
COVID-19 update (227): animal, cat, dog, research, experimental infection 20200601.7416648
COVID-19 update (215): Netherlands (NB) animal, mink-to-human, epidem., control 20200527.7385049
COVID-19 update (212): Russia (Moskva) animal, cat, OIE 20200526.7379578
COVID-19 update (209): Netherlands (NB) farmed mink, animal-to-human, cat, epid 20200525.7375359
COVID-19 update (198): Netherlands (NB) farmed mink, animal-to-human infect susp 20200520.7359976
COVID-19 update (189): Netherlands (NB) animal, farmed mink, research, cat, dog 20200517.7344274
COVID-19 update (183): Japan/USA, animal, research, cat, experimental infection 20200514.7337185
COVID-19 update (181): Germany (BY), France (AC), cat, OIE animal case definition 20200513.7332909
COVID-19 update (177): Netherlands (NB) animal, farmed mink, Spain (CT) cat susp 20200512.7328587

COVID-19 update (174): Netherlands (NB) animal, farmed mink, comment 20200511.7323845
 COVID-19 update (169): Netherlands (NB) animal, farmed mink, spread, rabbit susp 20200509.7316646
 COVID-19 update (166): China (Hong Kong) animal, cat, OIE, resolved 20200508.7314521
 COVID-19 update (154): Netherlands (NB) animal, farmed mink, research 20200503.7294846
 COVID-19 update (149): France (IF) animal, cat, owned 20200501.7289409
 COVID-19 update (146): Netherlands (NB) animal, farmed mink, epidemiology 20200501.7286113
 COVID-19 update (143): USA (NY) animal, zoo, tiger, lion, tests 20200430.7284183
 COVID-19 update (141): India, animal, wild tiger, susp, clarification, RFI 20200430.7281768
 COVID-19 update (138): India, animal, wild tiger, fatal 20200428.7275765
 COVID-19 update (135): Netherlands (NB) animal, farmed mink 20200427.7272289
 COVID-19 update (130): USA (NY) animal, zoo, tiger, lion, new cases 20200425.7266556
 COVID-19 update (124): USA (NY) animal, cat, lion, OIE 20200423.7259119
 COVID-19 update (123): USA (NY) animal, cat, conf 20200422.7256272
 COVID-19 update (113): USA (NY) cat, animal, susp, RFI 20200418.7240811
 COVID-19 update (88): Germany, animal, research, pig, chicken, bat, ferret 20200407.7196506
 COVID-19 update (85): USA (NY) animal, tiger, OIE 20200406.7191480
 COVID-19 update (84): USA animal, tiger 20200406.7191352
 COVID-19 update (76): China (HU) animal, cat, owned, stray, seropositive 20200403.7179946
 COVID-19 update (75): China (Hong Kong) animal, cat, OIE 20200403.7179945
 COVID-19 update (70): China (Hong Kong) animal, cat, pets & stock 20200402.7173286
 COVID-19 update (58): Belgium, animal, cat, clinical case, RFI 20200327.7151215
 COVID-19 update (56): China (Hong Kong) animal, dog, final serology positive 20200326.7146438
 COVID-19 update (50): China (Hong Kong) animal, dog, 2nd case PCR positive, OIE 20200323.7129951
 COVID-19 update (45): China (Hong Kong) animal, dog, 2nd case PCR positive 20200319.7112693
 COVID-19 update (37): China (Hong Kong) animal, dog, prelim. serology negative 20200312.7081842
 COVID-19 update (30): China (Hong Kong) animal, dog, susp, serology pending 20200306.7057595
 COVID-19 update (22): companion animal, dog susp, RFI 20200229.7036661
 COVID-19 update (17): China, animal reservoir, wildlife trade & consumption ban 20200225.7024245
 COVID-19 update (11): animal reservoir, intermediate hosts, pangolin susp. 20200220.7009213
 COVID-19 update (08): companion animal, RFI 20200218.7002276
 COVID-19 update (06): animal reservoir, intermediate hosts 20200217.6997782

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