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Subject: PRO/AH/EDR> COVID-19 update (364): animal, USA (IL) zoo, coatimundi

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CORONAVIRUS DISEASE 2019 UPDATE (364): ANIMAL, USA (ILLINOIS) ZOO, COATIMUNDI

A ProMED-mail post

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International Society for Infectious Diseases

<http://www.isid.org>

Date: Mon 11 Oct 2021

Source: Outbreak News Today [edited]

<http://outbreaknewstoday.com/illinois-coatimundi-confirmed-positive-for-sars-cov-2-1st-time-in-the-us-16890/>

The United States Department of Agriculture's (USDA) National Veterinary Services Laboratories (NVSL) recently announced confirmation of SARS-CoV-2 (the virus that causes COVID-19) in a coatimundi at a zoo in Illinois.

This is the 1st coatimundi confirmed with the SARS-CoV-2 virus in the United States.

Samples from a variety of species at the zoo, including the coatimundi, were collected and tested after a tiger at the facility showed signs of the virus.

Samples from the coatimundi tested presumptive positive at the University of Illinois Veterinary Diagnostic Laboratory, and the case was confirmed at NVSL. NVSL serves as an international reference laboratory and provides expertise and guidance on diagnostic techniques, as well as confirmatory testing for foreign and emerging animal diseases. Such testing is required for certain animal diseases in the United States in order to comply with national and international reporting procedures. The World Organisation for Animal Health (OIE) considers SARS-CoV-2 an emerging disease, and therefore USDA must report confirmed US animal infections to the OIE.

SARS-CoV-2 infections have been reported in a small number of animal species worldwide, mostly in animals that had close contact with a person with COVID-19. At this time, routine testing of animals is not recommended.

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[Infection by SARS-CoV-2 had been confirmed so far in carnivores of 4 families: canids (dogs and raccoon dogs), felids (cats,

tigers, lions, puma/cougar, and snow leopard), mustelids (ferrets and minks), and viverrids (binturongs). This case in coatimundis (*Nasua nasua*) brings to 5 the number of carnivore families reported infected by SARS-CoV-2, as coatimundis are procyonids. Raccoons are also procyonids. An experimental study exposing raccoons to SARS-CoV-2 failed to cause infection (<https://www.biorxiv.org/content/10.1101/2021.01.21.427629v1.full.pdf>), indicating that raccoons are not very susceptible to becoming infected with this virus. It is noteworthy that the coatimundi that reacted positive was not showing clinical signs of disease, and it was tested as part of a general screening effort. - Mod.PMB

HealthMap/ProMED map of Illinois, United States: <https://promedmail.org/promed-post?place=8699258,216>

See Also

COVID-19 update (354): animal, USA, zoo, wild carnivore 20211018.8699125

COVID-19 update (348): animal, USA, zoo, snow leopard, fatal, susp 20211013.8699020

COVID-19 update (265): animal, USA, zoo, snow leopard 20210802.8563564

COVID-19 update (254): animal, USA, zoo, snow leopard 20210726.8545843

COVID-19 update (230): animal, USA, zoo, vaccination 20210705.8496776

COVID-19 update (197): animal, India, zoo lion, fatal 20210607.8430529

COVID-19 update (159): animal, India, zoo, lion 20210504.8344580

COVID-19 update (33): animal, Sweden, zoo, tiger, lion 20210125.8134087

COVID-19 update (13): animal, USA, zoo, gorilla 20210112.8095510

2020

COVID-19 update (538): USA, animal, zoo, snow leopard 20201214.8017000

COVID-19 update (536): animal, USA (UT) wild mink, 1st case 20201213.8015608

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

COVID-19 update (469): USA (TN) zoo, tiger 20201104.7915683

COVID-19 update (356): South Africa (GT) animal, puma, zoo, OIE 20200813.7673666

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) zoo, tiger, lion, new cases 20200425.7266556

COVID-19 update (85): USA (NY) tiger, OIE 20200406.7191480

COVID-19 update (84): USA, tigers 20200406.7191352

COVID-19 update (76): China (HU) animal, cat, owned, stray, seropositive 20200403.7179946

COVID-19 update (75): China (Hong Kong) cat, OIE 20200403.7179945

COVID-19 update (70): China (Hong Kong) cat, pets & stock 20200402.7173286

COVID-19 update (58): Belgium, cat, clinical case, RFI 20200327.7151215

COVID-19 update (57): global, re-using PPE, DR Congo, more countries, WHO 20200327.7149046

COVID-19 update (56): China (Hong Kong) animal, dog, final serology positive 20200326.7146438

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) dog, susp, serology pending 20200306.7057595

COVID-19 update (25): China (Hong Kong) dog, susp, OIE 20200302.7040373

COVID-19 update (22): companion animals, dog susp, RFI 20200229.7036661

COVID-19 update (17): China, animal reservoir, wildlife trade & consumption 20200225.7024245

COVID-19 update (11): animal reservoir, intermediate hosts, pangolin susp 20200220.7009213

COVID-19 update (08): companion animals, RFI 20200218.7002276

COVID-19 update (06): animal reservoir, intermediate hosts 20200217.6997782

Novel coronavirus (42): China, global, COVID-19, SARS-CoV-2, WHO 20200211.6979942

Novel coronavirus (40): animal reservoir, pangolin poss intermediate host, RFI 20200210.6972104

Novel coronavirus (28): China (HU) animal reservoir 20200201.6943858

Novel coronavirus (22): reservoir suggested, bats 20200129.6930718

Novel coronavirus (20): China, wildlife trade ban 20200127.6922060

Novel coronavirus (18): China (HU) animal reservoir 20200125.6915411

Novel coronavirus (15): China (HU) wild animal sources 20200123.6909913

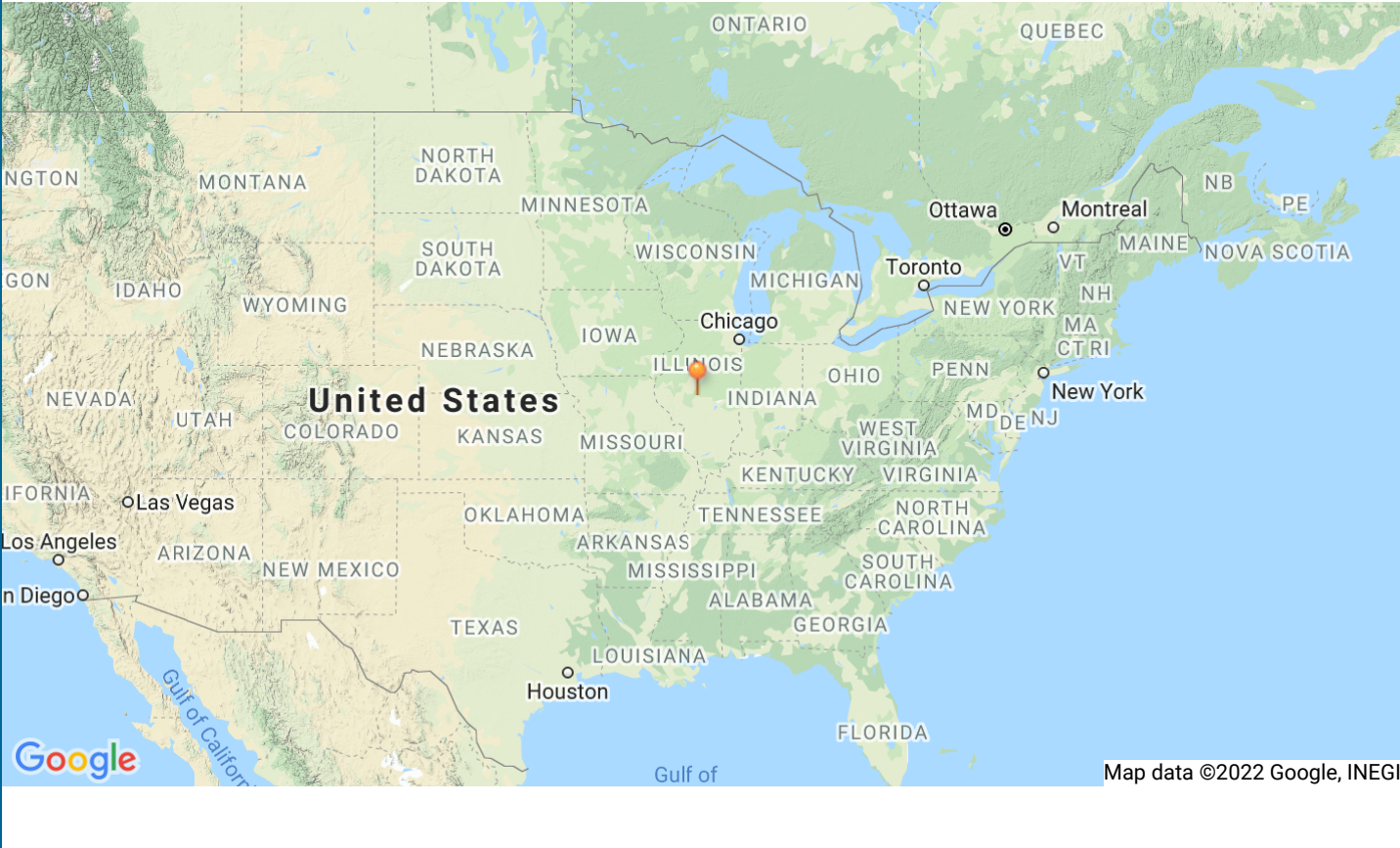
Novel coronavirus (03): China (HU) animal reservoir suggested, RFI 20200114.6887480

Novel coronavirus (01): China (HU) WHO, phylogenetic tree 20200112.6885385

Undiagnosed pneumonia - China (HU) (07): official confirmation of novel coronavirus 20200108.6878869

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