



Published Date: 2021-09-14 12:25:52

Subject: PRO/AH/EDR> COVID-19 update (315): animal, Mongolia, beaver, delta variant, 1st rep

Archive Number: 20210914.8668125

CORONAVIRUS DISEASE 2019 UPDATE (315): ANIMAL, MONGOLIA, BEAVER, DELTA VARIANT, FIRST REPORT

A ProMED-mail post

<http://www.promedmail.org>

ProMED-mail is a program of the

International Society for Infectious Diseases

<http://www.isid.org>

Date: Sun 12 Sep 2021 5:37 PM IST

Source: The Tribune (India), Indo Asian News Service (IANS) report [edited]

<https://www.tribuneindia.com/news/schools/beavers-in-mongolia-test-covid-positive-310174>

At least 7 beavers in Mongolia have tested positive for COVID-19, the country's National Centre for Zoonotic Diseases (NCZD) said.

"Workers of the Beaver Breeding Centre at the Environmental Department of the capital [Ulaanbaatar] tested positive for the COVID-19 in August [2021]. After that, the COVID-19 delta variant were detected in 7 beavers," Nyamdorj Tsogbadrakh, director of the NCZD, told local media on Saturday [11 Sep 2021].

It is the 1st time that COVID-19 has been detected in animals in Mongolia, Xinhua news agency quoted Tsogbadrakh as saying.

The infected beavers showed symptoms of cough, runny nose, sticky eyes, and others, he said, adding that the animals have already recovered from the disease.

The disease has spread to the capital city and all 21 provinces of the country, and the delta variant, in particular, has been detected in the capital and 20 provinces.

Mongolia, with a population of around 3.4 million, has registered a total of 252 648 COVID-19 cases, with 1021 deaths.

--

Communicated by:

Mary Marshall

<mjm2020@googlemail.com>

[It has been shown that species in the Felidae, Mustelidae, and Cervidae families are highly susceptible to infection by SARS-CoV-2. Among rodents, Cricetidae such as hamsters and *Peromyscus* spp. are susceptible to infection by SARS-CoV-2. Muridae such

as the house mouse and the Norway rat have low susceptibility. Beavers are rodents in the Castoridae family, and this report adds a taxonomic group that may become infected by SARS-CoV-2. The significance of such susceptibility, including host competence and virulence, should be investigated.

There are 2 beaver species: the American beaver *_Castor canadensis_* and the Eurasian beaver *_C. fiber_*. The Eurasian beaver has recovered across much of its range as a result of conservation programs. The Asian populations, however, are small and threatened. The Sino-Mongolian beaver, *_C. f. birulai_* is a threatened subspecies that lives only in the Ulungur watershed between Mongolia and China. - Mod.PMB

The Ulungur River (that is, its upper reaches and major tributary) is known in Mongolia as the Bulgan River. Although the report above indicates that the affected beavers were being raised in a beaver breeding project in the capital of Ulaanbaatar, presumably the native locale for these beavers in Mongolia is the Bulgan River area. In addition, Chinese zoologists refer to the area in bordering Xinjiang where they have studied *_Castor fiber birulai_* as the Bulgan Beaver Nature Reserve (Chu H, Jiang Z. Distribution and conservation of the Sino-Mongolian beaver *_Castor fiber birulai_* in China. *Oryx*. 2009; 43(2): 197-202; <https://doi.org/10.1017/S0030605308002056>). - Mod.LXL

HealthMap/ProMED map of Mongolia: <https://promedmail.org/promed-post?place=8668125,1>

See Also

COVID-19 update (313): animal, USA, zoo, gorilla 20210913.8665151

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
.....pmb/lxl/mj/lxl

ProMED-mail alerts



[Support](#) [Privacy Policy](#)
[Terms & Conditions](#)