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Subject: PRO/AH/EDR> COVID-19 update (387): animal, Singapore, zoo, lion

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CORONAVIRUS DISEASE 2019 UPDATE (387): ANIMAL, SINGAPORE, ZOO, LION

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<http://www.isid.org>

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<https://phys.org/news/2021-11-lions-singapore-wildlife-infected-coronavirus.html>

Four lions at a Singapore wildlife park have tested positive for the coronavirus after coming into contact with infected zookeepers, and have symptoms including coughing and sneezing, officials said Wednesday [10 Nov 2021].

The endangered Asiatic lions started displaying signs of illness at the weekend, prompting officials to order coronavirus tests. The infected big cats, along with 5 others at the Night Safari park, have been placed in isolation in their den, the government's animal and veterinary service said.

"All the lions remain bright, alert and active," said Sonja Luz, from Mandai Wildlife Group, which operates the park. "We expect that the lions will make a full recovery with minor supportive treatment."

Three zookeepers from the Night Safari are confirmed to have been infected. The park is an open-air zoo home to hundreds of animals, which welcomes visitors at night. An African lion at Singapore Zoo -- which is adjacent to the Night Safari -- has also fallen sick, and officials have ordered virus tests.

Luz added the risk of animals passing the virus to humans is low. Both Singapore Zoo and the Night Safari remain open, although the lion exhibits have been temporarily closed.

Animals have become infected with the virus on previous occasions. Lions, tigers and gorillas have tested positive at US zoos, while domestic cats and dogs have also been hit.

Singapore is currently facing its worst COVID-19 outbreak since the start of the pandemic, reporting 2000-3000 cases a day and a handful of deaths.

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[Infection by SARS-CoV-2 had been confirmed so far in carnivores of 6 families, canids (dogs and raccoon dogs), felids (cats, tigers, lions, puma/cougar and snow leopard), mustelids (ferrets and minks), viverrids (binturongs), procyonids (coatimundis), and hyenids (hyenas). All wild carnivores that were diagnosed with COVID-19 were held captive at zoos, except for a free-ranging mink in Utah. Lions and tigers have been the ones most frequently reported infected, which may be due to their susceptibility but also because they are common at zoos. - Mod.PMB

HealthMap/ProMED map:

Singapore: <https://promedmail.org/promed-post?place=8699622,150>]

## See Also

COVID-19 update (381): animal, USA, zoo, hyena, 1st rep 20211108.8699526  
COVID-19 update (364): animal, USA (IL) zoo, coatimundi 20211026.8699258  
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  
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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  
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COVID-19 update (141): India, animal, wild tiger, susp, clarification, RFI 20200430.7281768  
COVID-19 update (138): India, animal, wild tiger, fatal 20200428.7275765  
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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  
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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  
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COVID-19 update (06): animal reservoir, intermediate hosts 20200217.6997782  
Novel coronavirus (42): China, global, COVID-19, SARS-CoV-2, WHO 20200211.6979942  
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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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