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Subject: PRO/AH/EDR> COVID-19 update (439): animal, UK (England) zoo, tiger, OIE

Archive Number: 20211221.8700411

CORONAVIRUS DISEASE 2019 UPDATE (439): ANIMAL, UK (ENGLAND) ZOO, TIGER, 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>

Date: Sat 18 Dec 2021

Source: OIE-WAHIS (World Animal Health Information System) 2021 [edited]

<https://wahis.oie.int/#/report-info?reportId=44831>

SARS-CoV-2 in animals (inf. with), United Kingdom

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Summary

Report type: immediate notification

Started on: 30 Nov 2021

Ended on: 15 Dec 2021

Confirmed: 15 Dec 2021

Reported: 18 Dec 2021

Reason for notification: emerging disease

Event morbidity (%): 100

Event mortality: -

Zoonotic potential: no

Diagnostic details: clinical, laboratory test

Causal agent: SARS-CoV-2

New outbreaks

Summary of outbreaks

Total outbreaks (1):

Outbreak location: Runnymede, Surrey, England

Started: 19 Oct 2021

Ended: 15 Dec 2021

Epidemiological unit: zoo

Total animals affected:

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

Tiger (\_Panthera tigris\_): Felidae-Carnivora / 3 / 3 / 0 / 0 / 0 / 0

Affected population: Three tigers, kept in the same enclosure in a zoo, presented clinical signs (coughing, diarrhoea, inappetence). Sputum sample from one tiger was sampled privately and returned a positive result for SARS-CoV-2. Official samples (oral and nasal swabs and faeces) were then tested at the NRL, Weybridge. Two further tigers were confirmed positive. The first tiger's retest was negative. A leopard in a neighbouring enclosure tested negative. The tigers have recovered. Recent contact with a COVID-19 positive zoo handler could not be confirmed.

#### Epidemiology

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

Epidemiological comments: the case is considered resolved. The geographical coordinates used are those of the National Reference Laboratory APHA Weybridge for data protection.

#### Diagnostic test results

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

Nationwide Laboratories (Private Laboratory) / tiger / 1 / Real-time reverse transcription polymerase chain reaction (rRT-PCR) / 3 Dec 2021 / positive

Animal and Plant Health Agency (APHA), Weybridge (National Laboratory) / tiger / 1 / Real-time reverse transcription polymerase chain reaction (rRT-PCR) / 9 Dec 2021 / positive

[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

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[Infection by SARS-CoV-2 in big cats kept at zoos continues to occur. 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]

ProMED map:

Runnymede, England, United Kingdom: <https://promedmail.org/promed-post?place=8700411,68242>]

## See Also

COVID-19 update (433): animal, Colombia (AT) zoo, lion, OIE 20211216.8700315

COVID-19 update (423): animal, Denmark (SL) zoo, tiger, OIE 20211209.8700158

COVID-19 update (418): animal, Belgium, zoo, hippopotamus, 1st rep 20211206.8700102

COVID-19 update (413): animal, Canada, wild deer 20211202.8700020

COVID-19 update (409): animal, Croatia, zoo, lion, OIE 20211129.8699951

COVID-19 update (400): animal, sheep, research, experimental infection 20211121.8699806

COVID-19 update (395): animal, UK, dog, OIE 20211117.8699698

COVID-19 update (392): animal, USA, zoo, snow leopard, fatal 20211115.8699676

COVID-19 update (387): animal, Singapore, zoo, lion 20211112.8699622

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

2020

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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

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

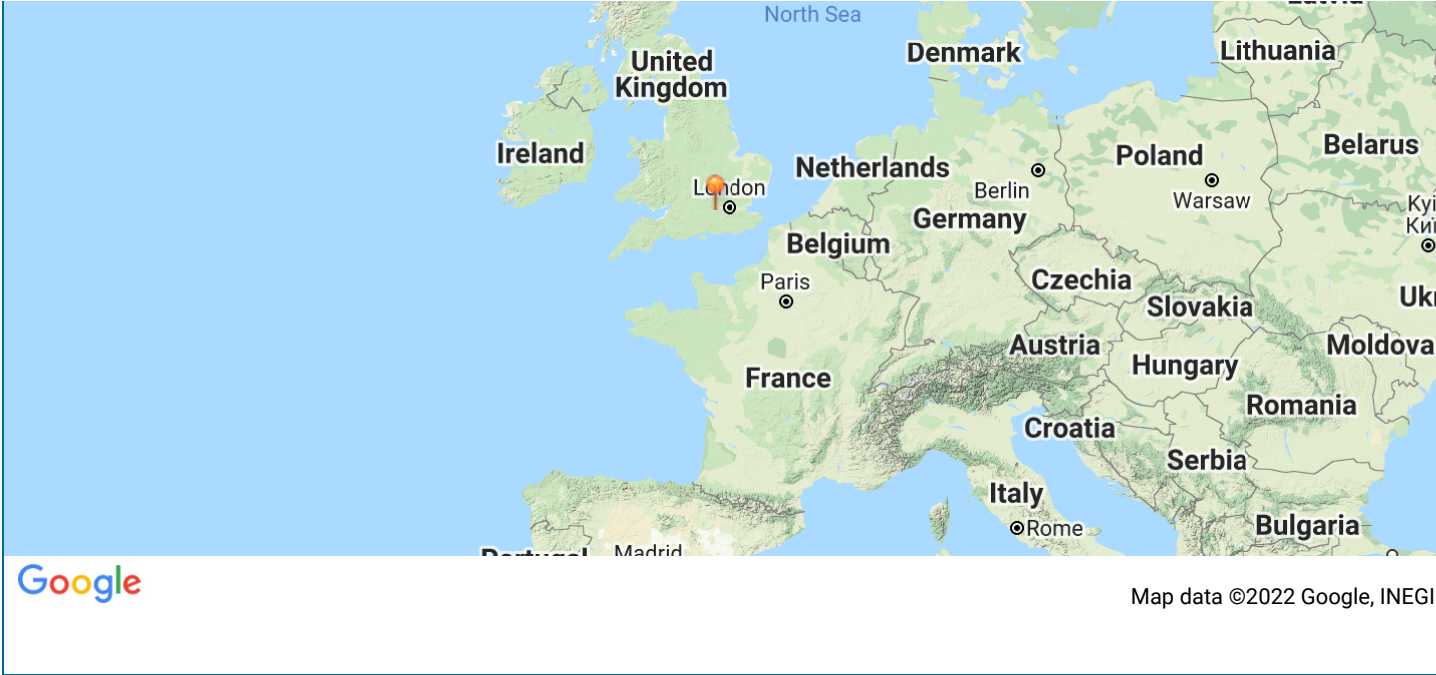
Novel coronavirus (01): China (HU) WHO, phylogenetic tree 20200112.6885385

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

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