

COVID-19, caused by infection with SARS-CoV-2, is a human disease which most likely emerged from an animal source and through widespread human-to-human transmission became a pandemic. As of **30 June 2021**, around **180 million** confirmed human cases have been reported worldwide, with almost **4 million** human deaths¹. The nature of this new zoonotic virus, together with its widespread distribution and the susceptibility of some animal species to infection, manifests in animal infections arising from close contact between people and animals. Conversely, there is also evidence that, for some animal species, close contact with infected animals can represent a potential source of infection in humans².

This report is a monthly update of the global situation of the report of SARS-CoV-2 in animals, with a special focus on the new reports submitted to the OIE in the last month.

Global situation since the beginning of the pandemic

The worldwide geographical distribution of SARS-CoV-2 outbreaks in animals reported to the OIE is shown in Figure 1

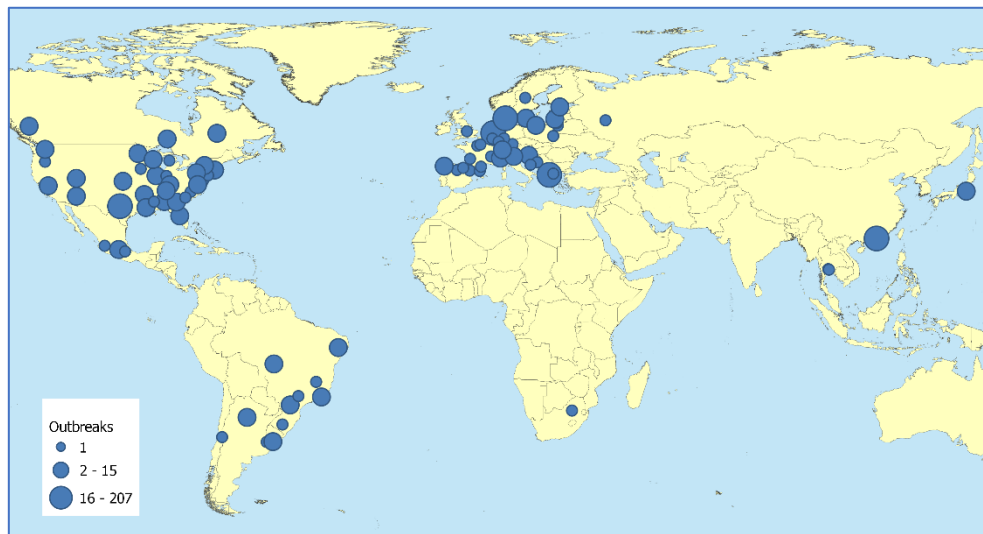


Figure 1. Worldwide distribution of SARS-CoV-2 outbreaks in ten animal species reported to the OIE (as of 30 June 2021). Note that dot size on the map is proportional to the number of outbreaks reported.

Table 1 shows the global distribution of animal infections with SARS-CoV-2. Thirty countries in the Americas, Africa, Asia, and Europe had reported the occurrence of the disease, in ten different animal species (cats, dogs, mink, otter, pet ferrets, lions, tigers, pumas, snow leopards and gorillas).

Table 1. Number of outbreaks (n=560) reported worldwide, by species and region (as of 30 June 2021).

Region \ Species	Cats	Dogs	Mink	Otter	Pet ferrets	Lions	Tigers	Pumas	Snow leopards	Gorillas
<i>Africa</i>								1		
<i>Americas</i>	67	66	20	1		2	7	2	1	1
<i>Asia</i>	11	15								
<i>Europe</i>	24	5	332		1	2*	1*			
TOTAL	102	86	352	1	1	4	8	3	1	1

*One lion and one tiger in Sweden are from the same location and are therefore only represented as 1 outbreak in this table.

¹ <https://coronavirus.jhu.edu/map.html>

² https://www.eurosurveillance.org/content/10.2807/1560-7917.ES.2020.25.23.2001005#html_fulltext

Update during last month (01/06/2021 - 30/06/2021)

During the last month **9 outbreaks** have been reported or updated by **5 countries (Canada, Croatia, Poland, Spain, and Thailand)** in **3 animal species** (cat, dog, mink). The recent distribution of outbreaks is reported in Figure 2.

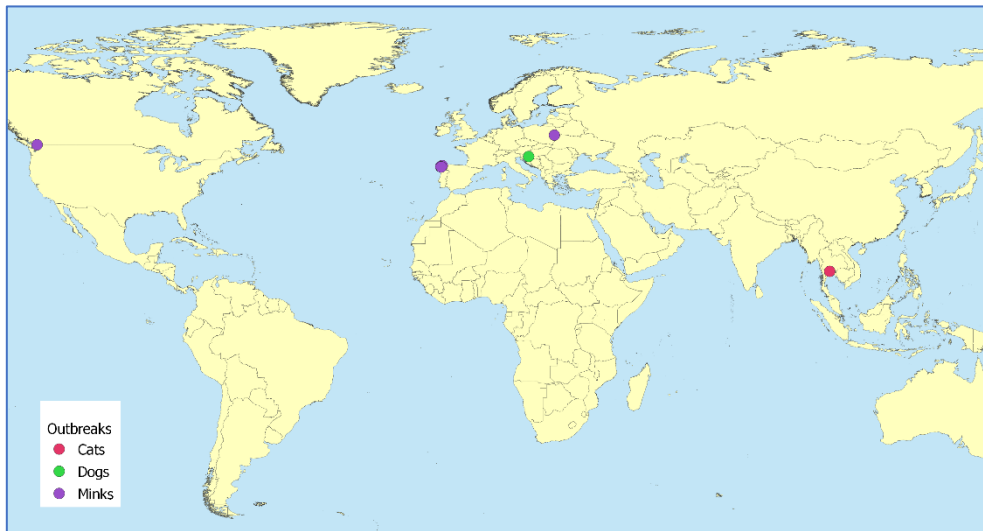


Figure 2. Worldwide recent distribution of SARS-CoV-2 outbreaks reported to the OIE (01/06/2021 - 30/06/2021).

EPIDEMIOLOGICAL COMMENTS

Summary of the global situation and recommendations

While the main driver of community and international spread in the current pandemic is human to human transmission, animal cases of infection with SARS-CoV-2, though still only occasional occurrences, continue to rise. Currently, **560 outbreaks** in animals have been reported globally, affecting **10 species** in **30 countries**. Some countries have experienced a high prevalence of outbreaks in mink farms, and variant strains have now been identified in mustelids. As infection with SARS-CoV-2 is an emerging disease, the OIE strongly encourages Members to report through WAHIS the occurrence of any cases in animals that comply with the case definition provided in the OIE guidelines³.

Relevant changes in disease situation during the period:

- SARS-CoV-2 was reported by mean of **1** Immediate notification in **Poland**
- SARS-CoV-2 was reported by mean of **4** Immediate notification in **Spain**

Relevant epidemiological comments from countries:

- **Poland:** “The samples were collected as part of active monitoring, in accordance with applicable national regulations. [...] At the mink farm, nasopharyngeal swabs were collected from 40 minks as part of monitoring tests. Three animals were positive in real-time PCR. The animals showed no clinical signs”.
- **Thailand** “The cat did not show any clinical sign but its owner was diagnosed SARS-CoV-2 positive. So sample were collected on 7 and 9 May and consisted of nasal, oral and anal samples. The result of samples is positive for SARS-COV-2. This cat is quarantined and will be test for SARS-COV-2 again after 14 days.”

Other relevant information during the period (OIE documents, relevant news, upcoming webinar or conferences)

- OIE Ad hoc Group on COVID-19 at the Animal-Human Interface - https://old.oie.int/fileadmin/Home/MM/14th_call_AHG_COVID-19.pdf

³ https://www.oie.int/fileadmin/Home/MM/A_Sampling_Testing_and_Reporting_of_SARS-CoV-2_in_animals_3_July_2020.pdf

- Serological study in pets in United Kingdom - [UK study finds SARS-CoV-2 antibodies in domestic cats and dogs \(news-medical.net\)](#)
- New coronavirus found in bats in China (PRC) - [Científicos de China encontraron genomas de nuevos coronavirus en murciélagos | Rosario3](#)
- A white tiger and elephants tested negative in India - <https://www.devdiscourse.com/article/science-environment/1632232-white-tiger-elephants-test-negative-for-sars-cov2>