

## Immediate notification (Final report)

08/09/2021

**The event is resolved. No more follow-up reports will be submitted.**

Sender	Country/territory	Report ID
Delegate of Indonesia	Indonesia	IN_150954
Report reference	Event status	Self-declaration
SE.4/KSDAE/KKH/KSA.2/7/21	Resolved	No

### General information

Country or zone - Zone	Disease - SARS-CoV-2 in animals (Inf. with)	Started on - 09/07/2021
Animal type - Terrestrial	Confirmed on - 15/07/2021	Causal agent - SARS-CoV-2
Disease category - Emerging	Reported on - 08/09/2021	Reason - Emerging disease

### Disease impact

Outbreak morbidity - 1.0	Outbreak mortality - 0.0
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### Epidemiology

Source of the event or origin of the infection

- Possible contact with a human case
- Unknown or inconclusive

Epidemiological comments The zoo is closed since 22 June 2021 due to movement restriction during the Covid-19 situation in Jakarta and Greater Area. Since no visitor was allowed to the zoo, contact with zookeeper(s) is suspected to be the cause of infection. All zookeepers and close contact relatives were tested for Covid-19 on the 2nd July 2021, and the results showed that 4 out of 83 zookeepers were positive for Covid-19 with no clinical signs. Two of the positive results were detected on the keeper in charge of the infected tigers Tino and Hari. However, to be able to conclude that there was a transmission of Covid-19 from humans to tigers, we need to establish the time series. All affected animals have been treated and have recovered, no more clinical signs were observed in the affected animals and in the population. All felines and primates are subject for observation. No other animal have similar clinical signs observed.

### Diagnostic

Clinical signs - Yes

Method of diagnostic

- Diagnostic test
- Clinical

Test name	Category	Test type	Laboratory	Species sampled	Outbreaks	Tested from	Tested until	Result
Real-time polymerase chain reaction (real-time PCR)	Nucleic acid detection	Laboratory Test		Tiger	1	15/07/2021		Positive

### Quantitative data summary

Measuring unit - Animal

Species	Type	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated	Outbreak morbidity	Outbreak mortality
Tiger (Panthera tigris): Felidae-Carnivora	New	10	2	0	0	0	0	-	-

Tiger (Panthera tigris):Felidae-Carnivora	Total	10	2	0	0	0	0	1.0	0.0
All species	New	10	2	0	0	0	0	-	-
All species	Total	10	2	0	0	0	0	1.0	0.0

Event morbidity - 1.0

Event mortality - 0.0

Morbidity range - 1-1

Mortality range - 0-0

## Outbreaks

### ob\_88019-Ragunan Zoo

Started on - 09/07/2021

First administrative division - Jakarta Raya Ended on - 01/08/2021

Second administrative division - Jakarta Selatan

Epidemiological unit - Zoo

Geographic coordinates - -6.3114,106.8211

Third administrative division - Pasar Minggu

Location - Ragunan Zoo

Description of the affected population Two out of 10 Sumatran tigers in Ragunan Zoo Jakarta were reported to show respiratory syndrome. Tino (female, 9 years old) start to develop syndrome in July 9th 2021, followed two days after by Hari (male, 11 years old) in July 11th 2021. Both animals showed similar clinical signs of heavy breathing, coughing and sneezing, loss of appetite, and malaise. No other tigers showed clinical signs.

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Tiger (Panthera tigris):Felidae-Carnivora	New	Animal	10	2	0	0	0	0
Tiger (Panthera tigris):Felidae-Carnivora	Total	Animal	10	2	0	0	0	0
All species	New	Animal	10	2	0	0	0	0
All species	Total	Animal	10	2	0	0	0	0

### Control measures different from event level

Additional measures

- Surveillance within containment and or the protection zone
- Quarantine
- Disinfection

## Map legend

### OUTBREAKS REPRESENTATION ON MAP

#### OUTBREAKS NATURE

Single / Cluster

Domestic species



Wild species



Domestic & Wild



#### OUTBREAKS STATUS

Outbreak currently reported



Ongoing outbreak



Resolved outbreak



#### AGGREGATION REPRESENTATION

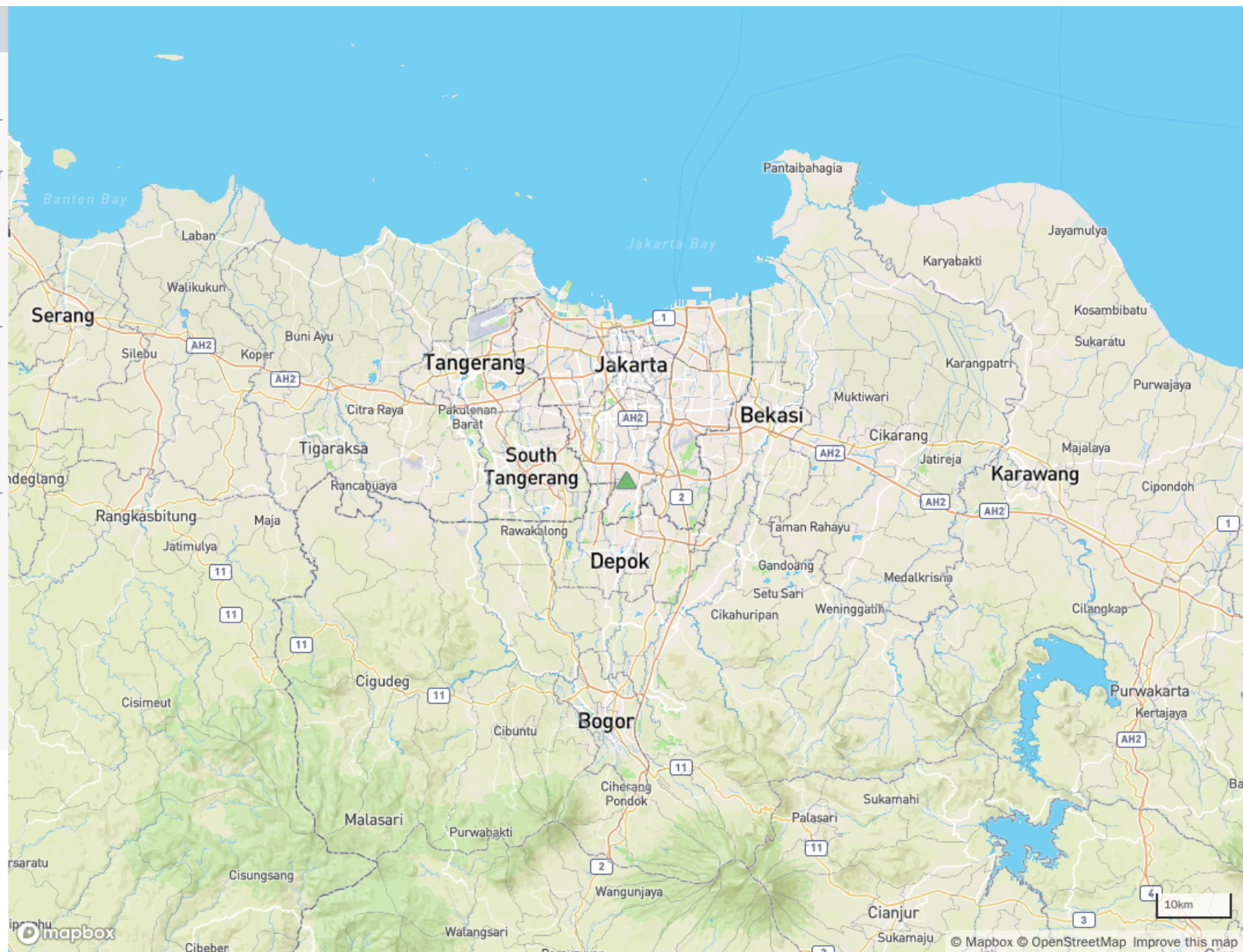
< 20 outbreaks



20 - 100 outbreaks



> 100 outbreaks



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