

## Follow-up report 15

20/08/2020

**The event is ongoing. Weekly follow-up reports will be submitted.**

Sender	Country/territory	Report ID
Delegate of United States of America	United States of America	FUR_35412
Event status	Self-declaration	
On-going	No	

### General information

Country or zone - Country	Disease - SARS-CoV-2 in animals (Inf. with)	Started on - 27/03/2020
Animal type - Terrestrial	Confirmed on - 04/04/2020	Causal agent - SARS-CoV-2
Disease category - Emerging	Reported on - 20/08/2020	Reason - Emerging disease

### Disease impact

Outbreak morbidity - 2.0	Outbreak mortality - 1.0
Zoonotic potential - Yes	Zoonotic potential description - Zoonotic potential currently unknown

### Epidemiology

Source of the event or origin of the infection - Suspected human transmission

Epidemiological comments 17 Aug 2020 Update-- Utah (UT): Following increased mortality rates, domestic American Mink (Neovison vison) from two commercial premises were confirmed positive for SARS-CoV-2 at the National Veterinary Services Laboratories based upon molecular testing (PCR and sequencing). These are the first confirmed cases of SARS-CoV-2 in mink from the United States. Clinical signs included respiratory signs and sudden death. The affected premises reported positive cases of COVID-19 in people that were in contact with the mink. State Officials in Utah have quarantined the premises and are working closely with federal One Health partners to complete disposal and monitor the situation. Mink mortality rates on both premises have since decreased, returning to normal levels. Please note: To protect any data related to human cases, the location used for these outbreaks is that of the Utah Veterinary Diagnostic Laboratory (UVDL), where animal testing samples were first collected. Due to limitations with the WAHIS system, the map notation indicates disease outbreaks in wild mink, however please note that the affected populations are domesticated animals.

### Control measures at event level

#### Domestic control measures

Applied

- Quarantine
- Disinfection

#### Wild control measures

Applied

- Disinfection
- Quarantine

### Diagnostic

Clinical signs - No

Method of diagnostic - Diagnostic test

Test name	Category	Test type	Laboratory	Species sampled	Outbreaks	Tested from	Tested until	Result
Real-time reverse transcription	Nucleic acid detection	Laboratory Test	National Veterinary Services	Tiger		04/04/2020		Positive

polymerase chain reaction (rRT-PCR)			Laboratories					
Gene sequencing	Genotyping	Laboratory Test	National Veterinary Services Laboratories	Tiger		04/04/2020		Positive
Real-time reverse transcription polymerase chain reaction (rRT-PCR)	Nucleic acid detection	Laboratory Test	University of Illinois Veterinary Diagnostic Laboratory	Tiger		03/04/2020		Positive
Real-time reverse transcription polymerase chain reaction (rRT-PCR)	Nucleic acid detection	Laboratory Test	Cornell University Animal Health Diagnostic Center	Tiger		03/04/2020		Positive
Gene sequencing	Genotyping	Laboratory Test	Cornell University Animal Health Diagnostic Center	Tiger		05/04/2020		Positive
Gene sequencing	Genotyping	Laboratory Test	University of Illinois Veterinary Diagnostic Laboratory	Tiger		05/04/2020		Positive

## Quantitative data summary

### Measuring unit - Animal

Species	Type	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated	Outbreak morbidity	Outbreak mortality
Lion (Panthera leo):Felidae-Carnivora	New	-	-	-	-	-	-	-	-
Lion (Panthera leo):Felidae-Carnivora	Total	3	3	0	0	0	-	100.0	0.0
Cats	New	-	-	-	-	-	-	-	-
Cats	Total	13	8	1	0	0	-	61.54	7.69
American Mink (Neovison vison):Mustelidae-Carnivora	New	28983	-	4975	0	0	-	-	-
American Mink (Neovison vison):Mustelidae-Carnivora	Total	28983	-	4975	0	0	-	-	17.17
Tiger (Panthera tigris):Felidae-	New	-	-	-	-	-	-	-	-

Carnivora									
Tiger (Panthera tigris):Felidae-Carnivora	Total	5	4	0	0	0	-	80.0	0.0
Dogs	New	-	-	-	-	-	-	-	-
Dogs	Total	21	8	1	4	0	-	38.1	4.76
All species	New	28983	-	4975	0	0	-	-	-
All species	Total	29025	23	4977	4	0	-	54.76	17.15

Event morbidity - 2.0

Event mortality - 1.0

## Outbreaks

### 1000133728-Orange County

Started on - 25/06/2020

First administrative division - California

Second administrative division - Orange

Epidemiological unit - Other

Geographic coordinates -  
33.779,-117.88

Location - Orange County

Description of the affected populationPet domestic cat (Felis catus) in a residential household

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Cats	New	Animal	-	-	-	-	-	-
Cats	Total	Animal	2	1	1	0	0	-
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	2	1	1	0	0	-

### 1000133727-Tarrant County

Started on - 26/06/2020

First administrative division - Texas

Second administrative division - Tarrant

Epidemiological unit - Other

Geographic coordinates -  
32.807,-97.469

Location - Tarrant County

Description of the affected populationPet domestic dog (Canis lupus familiaris) in a residential household

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Dogs	New	Animal	-	-	-	-	-	-
Dogs	Total	Animal	1	1	0	0	0	-
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	1	1	0	0	0	-

### 1000129234-Bronx County

Started on - 27/03/2020

First administrative division - New York

Second administrative division - Bronx

Epidemiological unit - Zoo

Geographic coordinates -  
40.828,-73.841

Location - Bronx County

Description of the affected populationAdult lions and tigers in a zoo.

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Lion (Panthera leo):Felidae-	New	Animal	-	-	-	-	-	-

Carnivora								
Lion (Panthera leo):Felidae- Carnivora	Total	Animal	3	3	0	0	0	-
Tiger (Panthera tigris):Felidae- Carnivora	New	Animal	-	-	-	-	-	-
Tiger (Panthera tigris):Felidae- Carnivora	Total	Animal	5	4	0	0	0	-
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	8	7	0	0	0	-

### 1000134314-Brazos County

Started on - 28/06/2020

First administrative division - Texas

Second administrative division - Brazos

Epidemiological unit - Other

Geographic coordinates -  
30.72,-96.39

Location - Brazos County

Description of the affected populationPet domestic cat (Felis catus) in a residential household

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Cats	New	Animal	-	-	-	-	-	-
Cats	Total	Animal	1	1	0	0	0	-
Dogs	New	Animal	-	-	-	-	-	-
Dogs	Total	Animal	2	0	0	0	0	-
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	3	1	0	0	0	-

### 1000135426-Utah

Started on - 26/07/2020

First administrative division - Utah

Second administrative division - Cache

Epidemiological unit - Farm

Geographic coordinates -  
41.757,-111.81

Location - Utah

Description of the affected populationDomestic American Mink (Neovison vison) on a commercial farm

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
American Mink (Neovison vison):Mustelidae- Carnivora	New	Animal	20000	-	3524	0	0	-
American Mink (Neovison vison):Mustelidae- Carnivora	Total	Animal	20000	-	3524	0	0	-
All species	New	Animal	20000	-	3524	0	0	-
All species	Total	Animal	20000	-	3524	0	0	-

### 1000134016-Charleston County

Started on - 26/06/2020

First administrative division - South  
Carolina

Second administrative division -  
Charleston

Epidemiological unit - Other

Geographic coordinates -  
32.821,-80.03

Location - Charleston County

Description of the affected populationPet domestic dog (Canis lupus familiaris) in a residential household

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Dogs	New	Animal	-	-	-	-	-	-
Dogs	Total	Animal	3	1	0	1	0	-
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	3	1	0	1	0	-

### 1000134830-Livingston Parish

Started on - 22/07/2020

First administrative division - Louisiana

Second administrative division - Livingston

Epidemiological unit - Other

Geographic coordinates -  
30.503,-90.733

Location - Livingston Parish

Description of the affected populationPet domestic dog (Canis lupus familiaris) in a residential household

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Dogs	New	Animal	-	-	-	-	-	-
Dogs	Total	Animal	2	1	0	1	0	-
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	2	1	0	1	0	-

### 1000133487-Berrien County

Started on - 22/06/2020

First administrative division - Georgia

Second administrative division - Berrien

Epidemiological unit - Other

Geographic coordinates -  
31.206,-83.262

Location - Berrien County

Description of the affected populationPet domestic dogs (Canis lupus familiaris) in a residential household.

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Dogs	New	Animal	-	-	-	-	-	-
Dogs	Total	Animal	3	1	0	1	0	-
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	3	1	0	1	0	-

### 1000130015-Nassau County

Started on - 01/04/2020

First administrative division - New York

Second administrative division - Nassau

Epidemiological unit - Other

Geographic coordinates -  
40.747,-73.624

Location - Nassau County

Description of the affected populationPet domestic cat (Felis catus) in a residential household

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Cats	New	Animal	-	-	-	-	-	-
Cats	Total	Animal	1	1	0	0	0	-

All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	1	1	0	0	0	-

### 1000134559-Brazos County

Started on - 17/07/2020

First administrative division - Texas

Second administrative division - Brazos

Epidemiological unit - Other

Geographic coordinates -  
30.725,-96.421

Location - Brazos County

Description of the affected populationPet domestic cat (Felis catus) in a residential household

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Cats	New	Animal	-	-	-	-	-	-
Cats	Total	Animal	1	1	0	0	0	-
Dogs	New	Animal	-	-	-	-	-	-
Dogs	Total	Animal	2	0	0	0	0	-
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	3	1	0	0	0	-

### 1000132016-Richmond County

Started on - 15/04/2020

First administrative division - New York

Second administrative division - Richmond

Epidemiological unit - Other

Geographic coordinates -  
40.569,-74.191

Location - Richmond County

Description of the affected populationPet domestic German Shepherd dogs (Canis lupus familiaris) in a residential household

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Dogs	New	Animal	-	-	-	-	-	-
Dogs	Total	Animal	2	1	0	1	0	-
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	2	1	0	1	0	-

### 1000130016-Orange County

Started on - 06/04/2020

First administrative division - New York

Second administrative division - Orange

Epidemiological unit - Other

Geographic coordinates -  
41.391,-74.325

Location - Orange County

Description of the affected populationPet domestic cat (Felis catus) in a residential household

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Cats	New	Animal	-	-	-	-	-	-
Cats	Total	Animal	2	1	0	0	0	-
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	2	1	0	0	0	-

### 1000135425-Utah

Started on - 02/08/2020

First administrative division - Utah

Second administrative division - Cache

Epidemiological unit - Farm

Geographic coordinates -  
41.757,-111.81

Location - Utah

## Description of the affected population Domestic American Mink (Neovison vison) on a commercial farm

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
American Mink (Neovison vison): Mustelidae- Carnivora	New	Animal	8983	-	1451	0	0	-
American Mink (Neovison vison): Mustelidae- Carnivora	Total	Animal	8983	-	1451	0	0	-
All species	New	Animal	8983	-	1451	0	0	-
All species	Total	Animal	8983	-	1451	0	0	-

## 1000132241-Cook County

Started on - 19/05/2020

First administrative division - Illinois

Second administrative division - Cook

Epidemiological unit - Other

Geographic coordinates -  
41.678,-87.59

Location - Cook County

## Description of the affected population Pet domestic cat (Felis catus) in a residential household

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Cats	New	Animal	-	-	-	-	-	-
Cats	Total	Animal	1	1	0	0	0	-
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	1	1	0	0	0	-

## 1000135256-Moore County

Started on - 04/08/2020

First administrative division - North  
Carolina

Second administrative division - Moore

Epidemiological unit - Other

Geographic coordinates -  
35.356,-79.43

Location - Moore County

## Description of the affected population Pet domestic dog (Canis lupus familiaris) in a residential household

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Dogs	New	Animal	-	-	-	-	-	-
Dogs	Total	Animal	2	1	1	0	0	-
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	2	1	1	0	0	-

## 1000132088-Carver County

Started on - 20/05/2020

First administrative division - Minnesota

Second administrative division - Carver

Epidemiological unit - Other

Geographic coordinates -  
44.836,-93.636

Location - Carver County

## Description of the affected population Pet domestic cat (Felis catus) in a residential household

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Cats	New	Animal	-	-	-	-	-	-

Cats	Total	Animal	1	1	0	0	0	-
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	1	1	0	0	0	-

### 1000134254-Maricopa County

Started on - 10/07/2020

First administrative division - Arizona

Second administrative division - Maricopa

Epidemiological unit - Other

Geographic coordinates -  
33.51,-111.958

Location - Maricopa County

Description of the affected populationPet domestic dog (Canis lupus familiaris) in a residential household

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Dogs	New	Animal	-	-	-	-	-	-
Dogs	Total	Animal	3	1	0	0	0	-
Cats	New	Animal	-	-	-	-	-	-
Cats	Total	Animal	1	0	0	0	0	-
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	4	1	0	0	0	-

### 1000135255-Brazos County

Started on - 29/07/2020

First administrative division - Texas

Second administrative division - Brazos

Epidemiological unit - Other

Geographic coordinates -  
30.593,-96.389

Location - Brazos County

Description of the affected populationPet domestic cat (Felis catus) in a residential household

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Cats	New	Animal	-	-	-	-	-	-
Cats	Total	Animal	3	1	0	0	0	-
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	3	1	0	0	0	-

### 1000135254-Brazos County

Started on - 28/07/2020

First administrative division - Texas

Second administrative division - Brazos

Epidemiological unit - Other

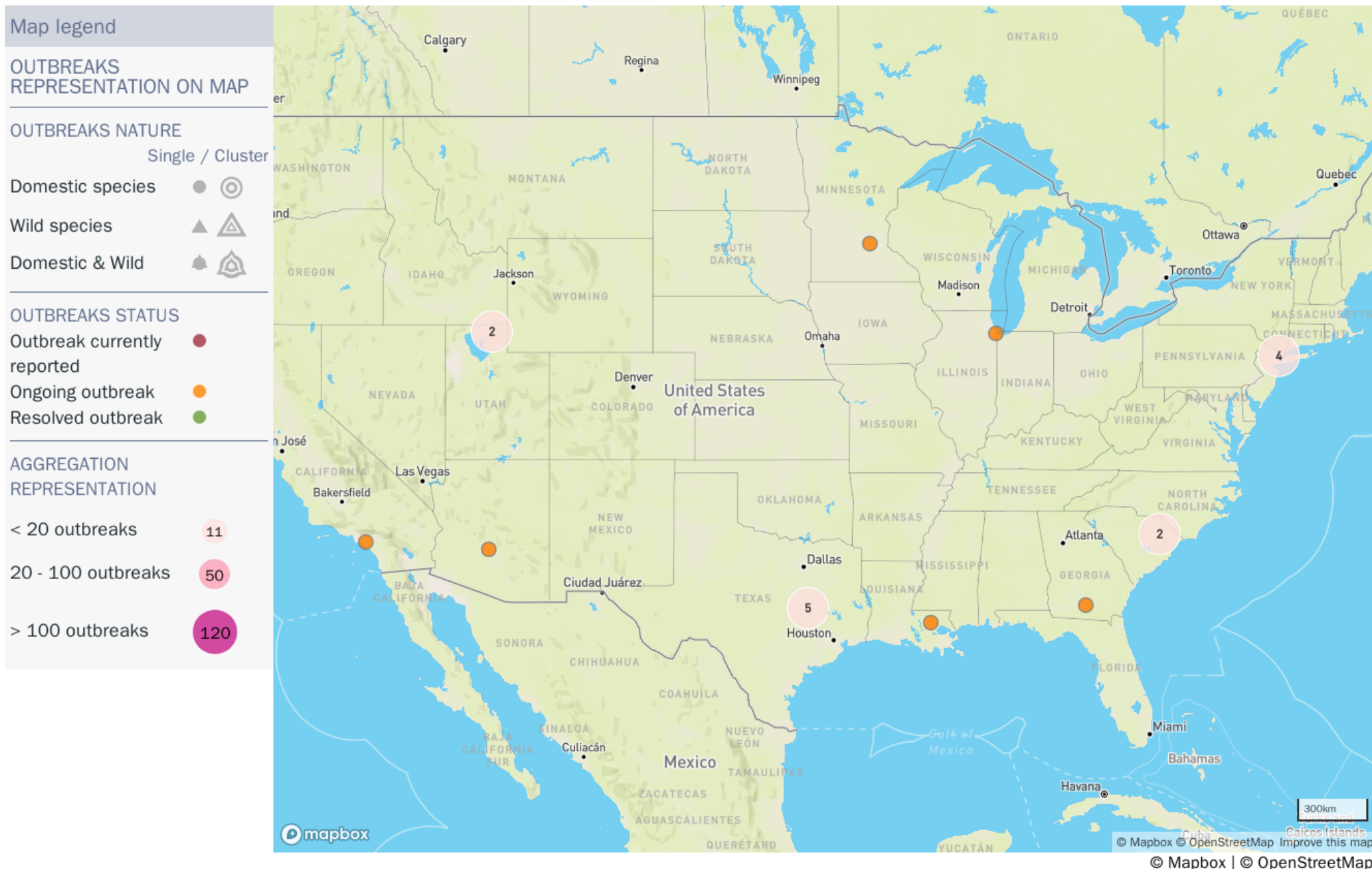
Geographic coordinates -  
30.638,-96.453

Location - Brazos County

Description of the affected populationPet domestic dog (Canis lupus familiaris) in a residential household

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Dogs	New	Animal	-	-	-	-	-	-
Dogs	Total	Animal	1	1	0	0	0	-
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	1	1	0	0	0	-





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