

Follow-up report 17

02/09/2020

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_35605
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 - 02/09/2020	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 3 Sep 2020 Update-- Louisiana (LA): A domestic cat from a known positive COVID-19 household was confirmed positive for SARS-CoV-2 at the National Veterinary Services Laboratories based upon molecular testing (PCR and sequencing). The affected cat, which initially showed mild respiratory signs, had reportedly improved by the following day. Texas (TX): Four dogs and two cats from Brazos County who are housemates to the three confirmed positive cat cases have tested positive for SARS-CoV-2 virus neutralizing antibodies. Virus neutralizing antibodies in the absence of other positive test results have been detected in the following animals (listed by state): 1. 1 cat (AZ)** 2. 3 cats and 5 dogs from seven households (TX)** As of 3 Sep 2020, total number of animals with detections of virus neutralizing antibody only:31 **Samples collected as part of planned and targeted active surveillance of specific animals, with known or suspected exposures to a person with COVID-19 or other exposure to SARS-CoV-2, to better understand risk factors for SARS-CoV-2 transmission.

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 polymerase	Nucleic acid detection	Laboratory Test	National Veterinary Services Laboratories	Tiger		04/04/2020		Positive

chain reaction (rRT-PCR)								
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	4	1	0	0	0	-	-	-
Cats	Total	23	11	1	0	0	-	47.83	4.35
American Mink (Neovison vison):Mustelidae-Carnivora	New	-	-	-	-	-	-	-	-
American Mink (Neovison vison):Mustelidae-Carnivora	Total	40657	-	7853	0	0	-	-	19.32
Tiger (Panthera tigris):Felidae-Carnivora	New	-	-	-	-	-	-	-	-

Tiger (Panthera tigris):Felidae-Carnivora	Total	5	4	0	0	0	-	80.0	0.0
Dogs	New	1	0	0	0	0	-	-	-
Dogs	Total	23	8	1	4	0	-	34.78	4.35
All species	New	5	1	0	0	0	-	-	-
All species	Total	40711	26	7855	4	0	-	48.15	19.29

Event morbidity - 2.0

Event mortality - 1.0

Outbreaks

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-Carnivora	New	Animal	-	-	-	-	-	-
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	-

1000135718-Contra Costa County

Started on - 13/08/2020

First administrative division - California

Second administrative division - Contra Costa

Epidemiological unit - Other

Geographic coordinates -
38.009,-122.107

Location - Contra Costa 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	-

1000135719-Utah

Started on - 15/08/2020

First administrative division - Utah

Second administrative division - Cache

Epidemiological unit - Farm

Geographic coordinates -
41.756,-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	-	-	-	-	-	-
American Mink (Neovison vison):Mustelidae-Carnivora	Total	Animal	1705	-	205	0	0	-
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	1705	-	205	0	0	-

1000135636-Utah

Started on - 05/08/2020

First administrative division - Utah

Second administrative division - Cache

Epidemiological unit - Farm

Geographic coordinates -
41.757,-111.81

Location - Utah

Description of the affected 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	-	-	-	-	-	-
American Mink (Neovison vison):Mustelidae-Carnivora	Total	Animal	3643	-	1119	0	0	-
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	3643	-	1119	0	0	-

1000135933-Rapides Parish

Started on - 17/08/2020

First administrative division - Louisiana

Second administrative division - Rapides

Epidemiological unit - Other

Geographic coordinates -
31.258,-92.435

Location - Rapides Parish

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
Dogs	New	Animal	1	0	0	0	0	-
Dogs	Total	Animal	1	0	0	0	0	-
Cats	New	Animal	4	1	0	0	0	-
Cats	Total	Animal	4	1	0	0	0	-
All species	New	Animal	5	1	0	0	0	-

All species	Total	Animal	5	1	0	0	0	-
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1000135637-Utah

Started on - 03/08/2020

First administrative division - Utah

Second administrative division - Cache

Epidemiological unit - Farm

Geographic coordinates -
41.757,-111.81

Location - Utah

Description of the affected 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	-	-	-	-	-	-
American Mink (Neovison vison):Mustelidae-Carnivora	Total	Animal	6326	-	1554	0	0	-
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	6326	-	1554	0	0	-

1000135632-Hartford County

Started on - 10/08/2020

First administrative division - Maryland

Second administrative division - Harford

Epidemiological unit - Other

Geographic coordinates -
39.555,-76.367

Location - Hartford 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
Dogs	New	Animal	-	-	-	-	-	-
Dogs	Total	Animal	1	0	0	0	0	-
Cats	New	Animal	-	-	-	-	-	-
Cats	Total	Animal	5	1	0	0	0	-
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	6	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	-
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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	-

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	-	-	-	-	-	-
American Mink (Neovison vison):Mustelidae-Carnivora	Total	Animal	20000	-	3524	0	0	-
All species	New	Animal	-	-	-	-	-	-
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 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	-	-	-	-	-	-
American Mink (Neovison vison):Mustelidae-Carnivora	Total	Animal	8983	-	1451	0	0	-
All species	New	Animal	-	-	-	-	-	-
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 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	-

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 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	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 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	-

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

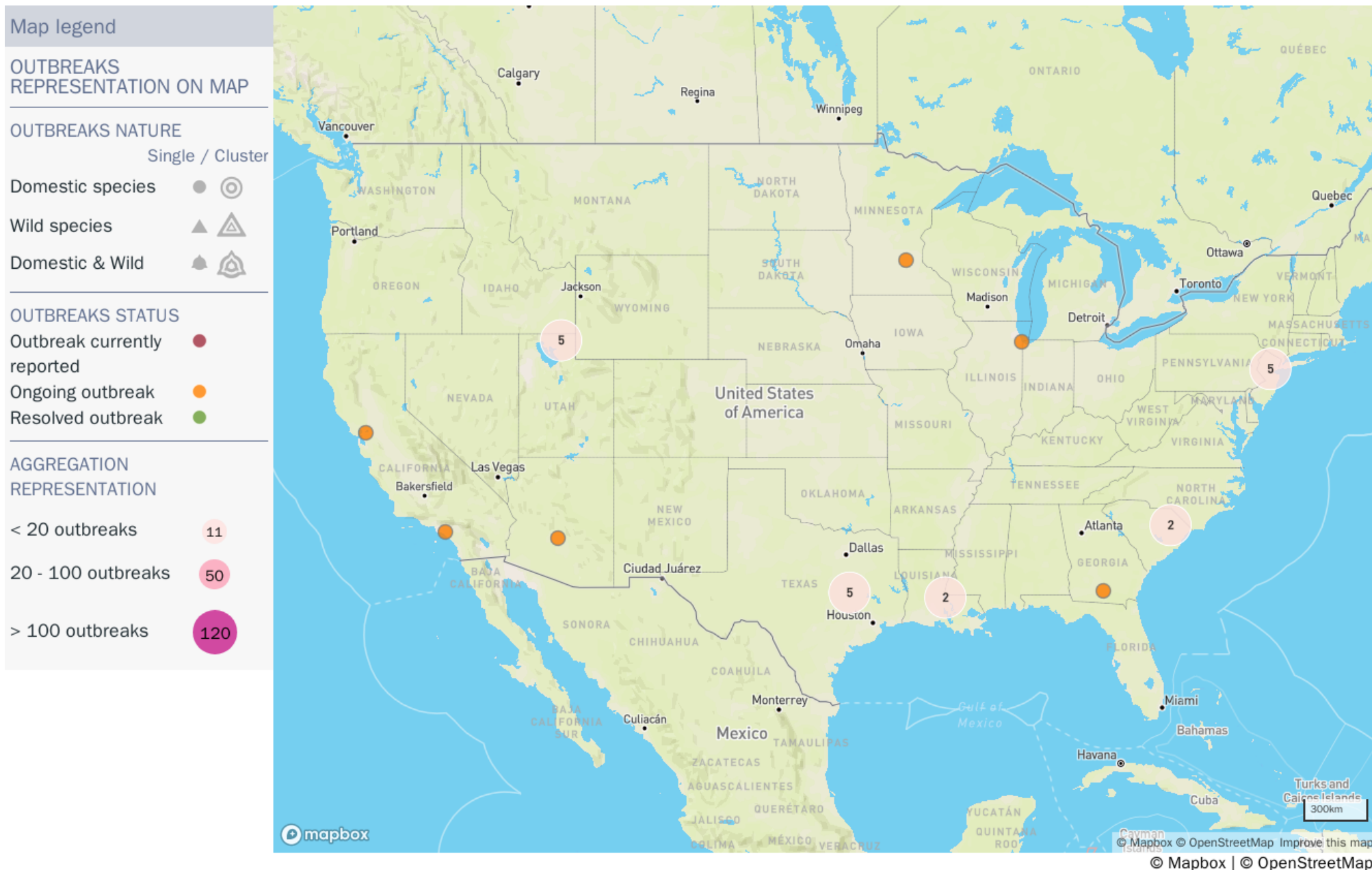
Epidemiological unit - Other

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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