

Follow-up report 16

27/08/2020

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_35525
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 - 27/08/2020	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 27 Aug 2020 Update-- Georgia (GA): One additional dog in Berrien County, GA who has shown no clinical signs but shared the same household with the SARS-CoV-2 confirmed positive dog has tested positive for SARS-CoV-2 by virus neutralization (VN). 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 was recently diagnosed with hyperthyroidism and exhibited respiratory clinical signs that appeared to worsen. The cat tested positive for both mycoplasma felis and SARS-CoV-2 at the initial testing laboratory. Maryland (MD): 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 showed mild clinical respiratory signs, but has since reportedly recovered. Four other cats and one dog residing in the same household have remained asymptomatic. All animals appeared healthy when resampling occurred on 8/21/2020. Swabs from all animals tested negative for SARS-CoV-2 by PCR except one oropharyngeal swab from one cat (Ct>35; serum sample not available). Antibody was detected in serum samples from the initial cat, one other cat and the dog. California (CA): 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). The cat had very mild respiratory signs. Utah (UT): Following increased mortality rates, domestic American Mink (Neovison vison) from three commercial premises were confirmed positive for SARS-CoV-2 at the National Veterinary Services Laboratories based upon molecular testing (PCR and sequencing). Clinical signs included respiratory signs and sudden death. State Officials in Utah have quarantined the premises and are working closely with federal One Health partners to complete disposal and monitor the situation. 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 the affected populations are domesticated American Mink (Neovison vison) from commercial premises as stated above.

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 chain reaction (rRT-PCR)	Nucleic acid detection	Laboratory Test	National Veterinary Services Laboratories	Tiger		04/04/2020		Positive
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	6	2	0	0	0	-	-	-

Cats	Total	19	10	1	0	0	-	52.63	5.26
American Mink (Neovison vison):Mustelidae-Carnivora	New	11674	-	2878	0	0	-	-	-
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	22	8	1	4	0	-	36.36	4.55
All species	New	11681	2	2878	0	0	-	-	-
All species	Total	40706	25	7855	4	0	-	51.02	19.3

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
Epidemiological unit - Zoo

First administrative division - New York
Geographic coordinates -
40.828,-73.841

Second administrative division - Bronx
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	1	1	0	0	0	-
Cats	Total	Animal	1	1	0	0	0	-
All species	New	Animal	1	1	0	0	0	-
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	1705	-	205	0	0	-
American Mink	Total	Animal	1705	-	205	0	0	-

(Neovison vison):Mustelidae-Carnivora								
All species	New	Animal	1705	-	205	0	0	-
All species	Total	Animal	1705	-	205	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	-

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

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

1000135632-Hartford County

Started on - 10/08/2020

First administrative division - Maryland

Second administrative division - Hartford

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

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

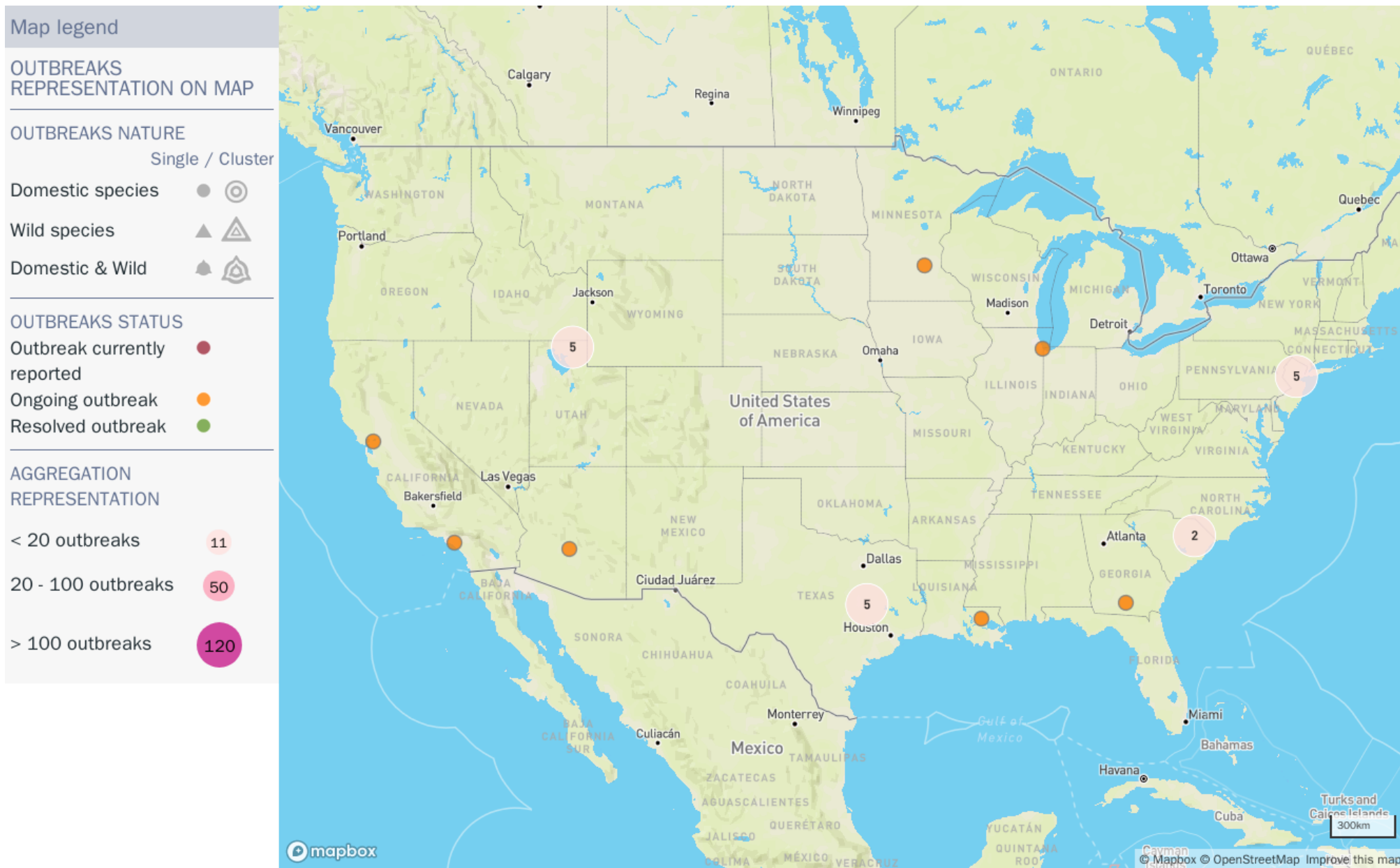
Epidemiological unit - Other

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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