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## **2019 Vesicular Stomatitis Virus (VSV) Situation Report – August 23, 2019**

*Information current as of 9:00am MDT, 08/23/2019*

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VSV-positive premises have been confirmed to date in 7 states: Colorado, Nebraska, New Mexico, Oklahoma, Texas, Utah, and Wyoming. No new states have been confirmed positive since the last situation report.

**Since the last situation report (August 19, 2019), there have been 43 new VSV-affected premises (14 confirmed positive, 29 suspect) identified:**

### **Colorado (10 new confirmed positive, 26 new suspect premises)**

- Adams County – 1 new suspect premises
- Boulder County – 1 new suspect premises
- **Chaffee County (New Infected County)** – 2 confirmed positive premises
- Delta County – 4 new suspect premises
- Douglas County – 1 new suspect premises
- **Fremont County (New Infected County)** – 1 confirmed positive premises
- Jefferson County – 5 new confirmed positive, 2 new suspect premises
- Larimer County – 2 new suspect premises
- Mesa County – 1 new confirmed positive, 7 new suspect premises
- Montezuma County – 1 new suspect premises
- Montrose County – 5 new suspect premises
- **Park County (New Infected County)** – 1 confirmed positive premises
- Weld County – 2 new suspect premises
- Since the last situation report, 64 previously VSV-infected or suspect premises have been released from quarantine.

### **Nebraska (1 new confirmed positive)**

- **Dawes County (New Infected County)** – 1 confirmed positive premises
- Since the last situation report, 1 previously VSV-infected premises was released from quarantine in Lincoln County.

### **Texas (2 new confirmed positive, 1 new suspect premises)**

- Collin County – 1 new confirmed positive premises
- **Ellis County (New Infected County)** – 1 confirmed positive premises
- Williamson County – 1 new suspect premises
- Since the last situation report, 30 previously VSV-infected or suspect premises have been released from quarantine.

### **Utah (1 new suspect premises)**

- Uintah County – 1 new suspect premises

### **Wyoming (1 new confirmed positive, 1 new suspect premises)**

- **Hot Springs County (New Infected County)** – 1 confirmed positive premises
- Platte County – 1 new suspect premises
- Since the last situation report, 7 previously VSV-infected or suspect premises have been released from quarantine.

### **Classification of Cases**

Premises that have laboratory diagnostic confirmation of VSV are categorized as confirmed positive premises. Once a county is confirmed as VSV-positive, new equine premises presenting with clinical signs of VSV in that county are not required to be tested for confirmation of the disease, but the premises will be quarantined and classified as a suspect premises.

### **Quarantines**

Confirmed positive and suspect premises are quarantined for at least 14 days from the onset of lesions in the last affected animal on the premises.

### **Summary of the Outbreak (Updated information in blue)**

The 2019 VSV outbreak began on June 21, 2019, when the National Veterinary Services Laboratories (NVSL) in Ames, Iowa confirmed the first VSV-positive premises in Kinney County, Texas. New Mexico, Colorado, Wyoming, Oklahoma, Nebraska and Utah subsequently broke with cases which were confirmed by NVSL on June 26, 2019 (Sandoval County, New Mexico), July 3, 2019 (Weld County, Colorado), July 24, 2019 (Platte County, Wyoming), July 29, 2019 (Tillman County, Oklahoma), August 9, 2019 (Lincoln County, Nebraska), and August 19, 2019 (Emery and Uintah Counties, Utah).

Since the start of the outbreak, **851 VSV-affected premises have been identified (353 confirmed positive, 498 suspect)**. **Eight hundred forty-eight (848)** of these premises have only equine species clinically affected and 3 premises have affected cattle (Boulder and Delta County, Colorado and Gonzales County, Texas). Colorado has identified **580** affected premises (**219** confirmed positive, **361** suspect) in **26** counties (Adams, Alamosa, Arapahoe, Archuleta, Boulder, Broomfield, **Chaffee**, Conejos, Delta, Douglas, **Fremont**, Gilpin, Grand, Gunnison, Jefferson, La Plata, Larimer, Mesa, Mineral, Montezuma, Montrose, Morgan, Ouray, **Park**, Pueblo, and Weld Counties). Nebraska has identified **4** affected premises in **3** counties (**Dawes**, Lincoln, and Scottsbluff Counties). New Mexico has identified 74 affected premises (47 confirmed positive, 27 suspect) in 12 counties (Cibola, Los Alamos, Mora, Rio Arriba, Sandoval, San Juan, San Miguel, Santa Fe, Sierra, Socorro, Taos, and Valencia Counties). Oklahoma has identified 1 affected premises in 1 county (Tillman County). Texas has identified **161** affected premises (**69** confirmed positive, **92** suspect) located in **36** counties (Bastrop, Bell, Bosque, Brown, Caldwell, Coleman, Collin, Coryell, Dallas, Eastland, **Ellis**, Erath, Falls, Gonzales, Guadalupe, Haskell, Hays, Hood, Johnson, Kerr, Kinney, Lampasas, Mason, McLennan, Mills, Palo Pinto, Parker, San Saba, Shackelford, Somervell, Taylor, Tom Green, Travis, Val Verde, Wichita, and Williamson Counties). Utah has identified **4** affected premises in 2 counties (Emery and Uintah Counties). Wyoming has

identified 27 affected premises (10 confirmed positive, 17 suspect) in 6 counties (Albany, Converse, Hot Springs, Laramie, Platte, and Sweetwater Counties). There have been a total of 554 previously VSV-infected or suspect premises that have completed the quarantine period and been released.

## Summary of VSV-Affected Premises

**Table 1. Location, number, and status of VSV-affected premises. New information in blue.**

COLORADO	Confirmed Positive Premises	Suspect Premises	Premises Released from Quarantine	Current Premises Quarantined
Adams County	7	6	8	5
Alamosa County	1	0	1	0
Arapahoe County	1	0	0	1
Archuleta County	7	10	11	6
Boulder County	24	35	49	10
Broomfield County	1	1	1	1
Chaffee County	2	0	0	2
Conejos County	1	0	1	0
Delta County	5	30	9	26
Douglas County	10	2	4	8
Fremont County	1	0	0	1
Gilpin County	1	0	1	0
Grand County	1	0	1	0
Gunnison County	1	0	0	1
Jefferson County	34	21	17	38
La Plata County	10	55	55	10
Larimer County	51	81	96	36
Mesa County	12	42	14	40
Mineral County	1	0	0	1
Montezuma County	3	25	23	5
Montrose County	2	22	3	21
Morgan County	1	2	3	0
Ouray County	3	1	0	4
Park County	1	0	0	1
Pueblo County	2	2	3	1
Weld County	36	26	47	15
<b>TOTAL: 26 COUNTIES</b>	<b>219</b>	<b>361</b>	<b>347</b>	<b>233</b>
<b>NEBRASKA</b>				
Dawes County	1	0	0	1
Lincoln County	1	0	1	0
Scottsbluff County	2	0	0	2
<b>TOTAL: 3 COUNTIES</b>	<b>4</b>	<b>0</b>	<b>1</b>	<b>3</b>

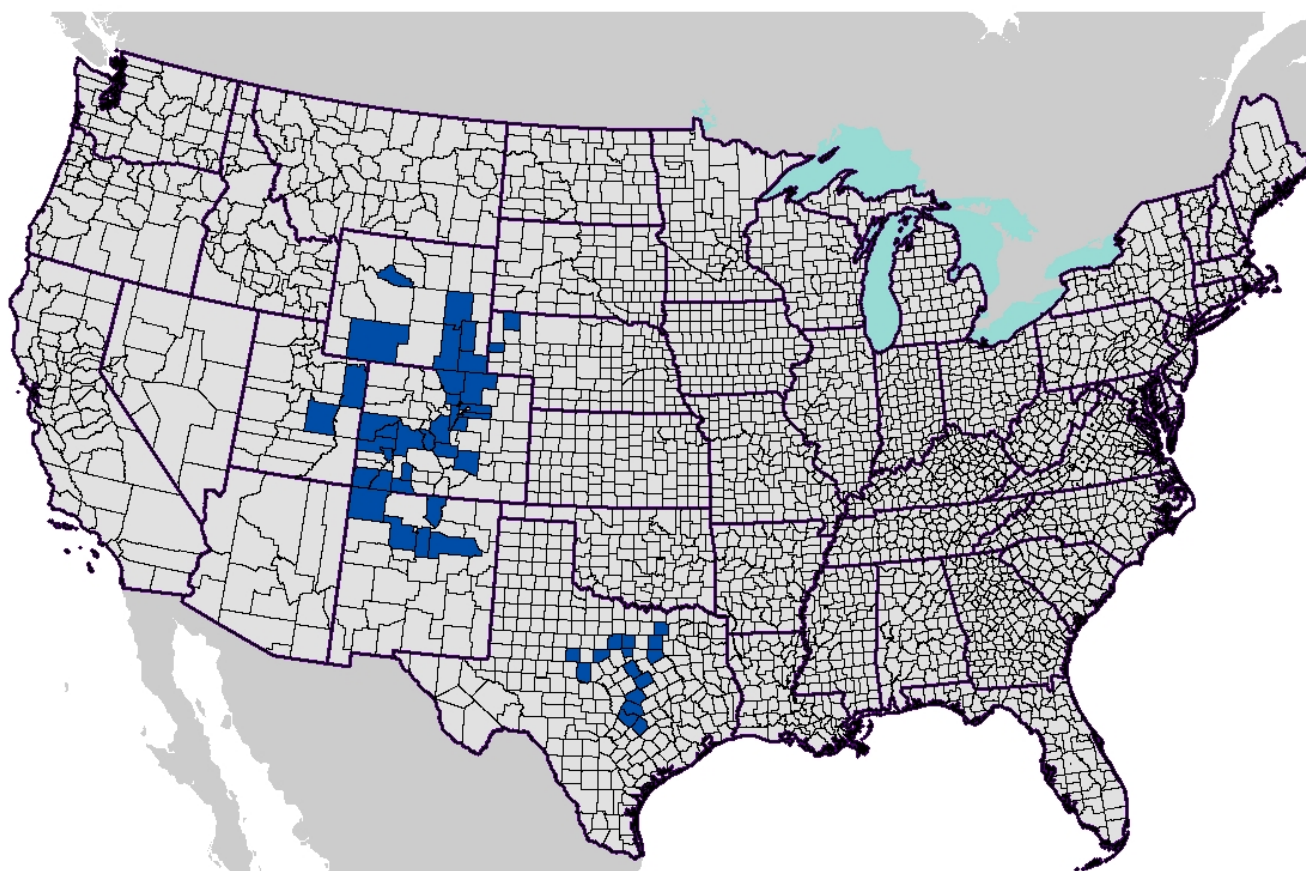
NEW MEXICO				
Cibola County	1	0	1	0
Los Alamos County	1	0	1	0
Mora County	1	0	1	0
Rio Arriba County	1	5	6	0
Sandoval County	7	3	9	1
San Juan County	1	3	2	2
San Miguel County	2	2	2	2
Santa Fe County	5	6	9	2
Sierra County	1	0	1	0
Socorro County	1	0	1	0
Taos County	5	1	2	4
Valencia County	21	7	28	0
<b>TOTAL: 12 COUNTIES</b>	<b>47</b>	<b>27</b>	<b>63</b>	<b>11</b>
OKLAHOMA				
Tillman County	1	0	1	0
<b>TOTAL: 1 COUNTY</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>
TEXAS	Confirmed Positive Premises	Suspect Premises	Premises Released from Quarantine	Current Premises Quarantined
Bastrop County	8	50	54	4
Bell County	1	1	0	2
Bosque County	1	0	0	1
Brown County	1	0	1	0
Caldwell County	2	1	3	0
Coleman County	3	0	2	1
Collin County	2	0	0	2
Coryell County	1	0	1	0
Dallas County	3	0	0	3
Eastland County	1	0	0	1
Ellis County	1	0	0	1
Erath County	1	1	2	0
Falls County	1	0	1	0
Gonzales County	1	0	1	0
Guadalupe County	1	5	6	0
Haskell County	1	0	1	0
Hays County	1	3	4	0
Hood County	4	3	5	2
Johnson County	1	0	1	0
Kerr County	1	0	1	0
Kinney County	1	0	1	0
Lampasas County	1	0	1	0
Mason County	1	0	1	0
McLennan County	2	3	3	2

Mills County	1	0	1	0
Palo Pinto County	6	1	3	4
Parker County	4	1	3	2
San Saba County	1	0	1	0
Shackelford County	2	0	2	0
Somervell County	2	1	3	0
Taylor County	1	0	0	1
Tom Green County	3	0	3	0
Travis County	2	15	15	2
Val Verde County	1	0	1	0
Wichita County	1	0	1	0
Williamson County	4	7	10	11
<b>TOTAL TEXAS: 36 COUNTIES</b>	<b>69</b>	<b>92</b>	<b>132</b>	<b>29</b>
<b>UTAH</b>				
Emery County	1	0	0	1
Uintah County	2	1	0	3
<b>TOTAL: 2 COUNTIES</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>4</b>
<b>WYOMING</b>				
Albany County	2	0	0	2
Converse County	2	5	3	4
Hot Springs County	1	0	0	1
Laramie County	1	0	0	1
Platte County	3	12	7	8
Sweetwater County	1	0	0	1
<b>TOTAL: 6 COUNTIES</b>	<b>10</b>	<b>17</b>	<b>10</b>	<b>17</b>
<b>TOTAL PREMISES ALL STATES</b>	<b>353</b>	<b>498</b>	<b>554</b>	<b>297</b>

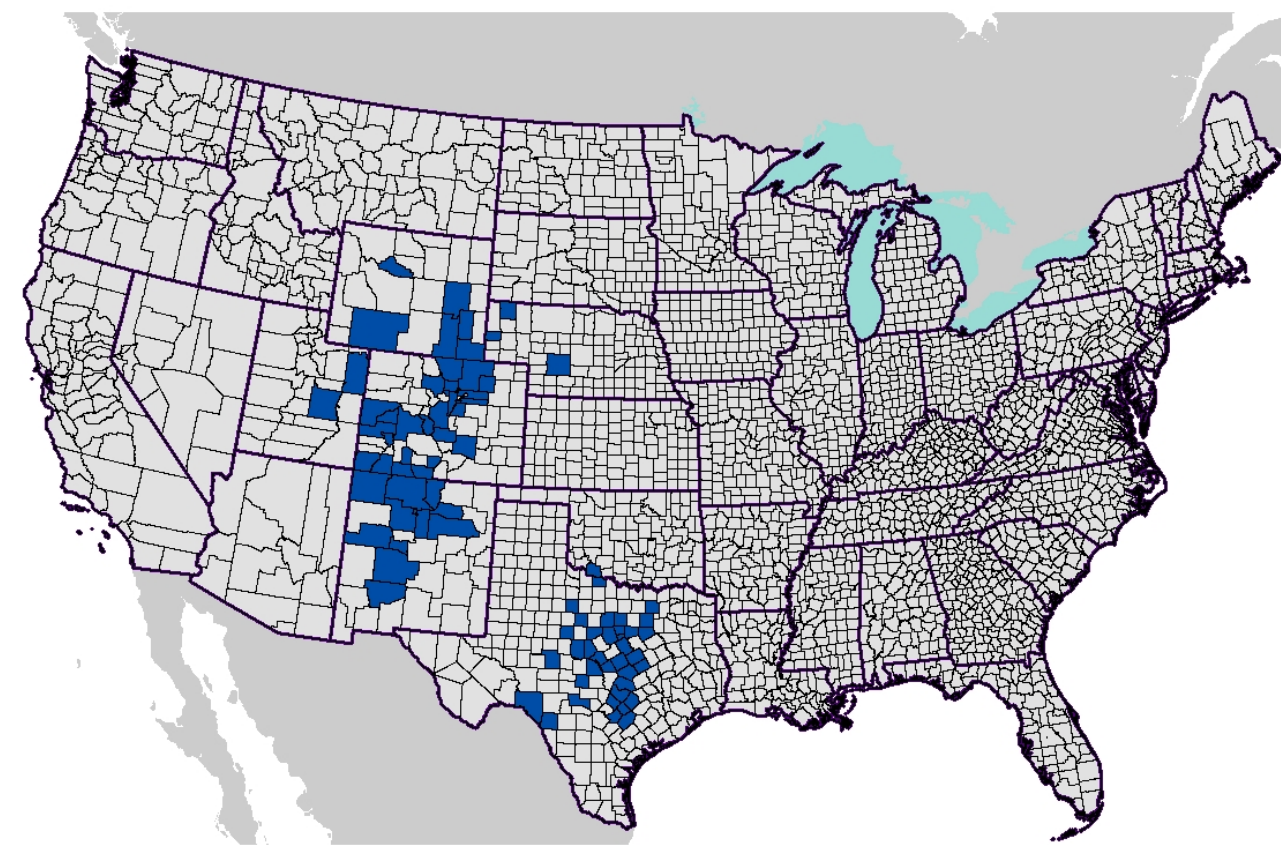
**Table 2. Cumulative count of species clinically affected on VSV-positive premises.**

State	Premises with clinically affected equine species	Premises with clinically affected bovine species	Premises with clinical signs in both equine and bovine species	Premises with clinical signs in other susceptible species	Total affected premises
COLORADO	578	2	0	0	580
NEBRASKA	4	0	0	0	4
NEW MEXICO	74	0	0	0	74
OKLAHOMA	1	0	0	0	1
TEXAS	160	1	0	0	161
UTAH	4	0	0	0	4
WYOMING	27	0	0	0	27
<b>TOTAL</b>	<b>848</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>851</b>

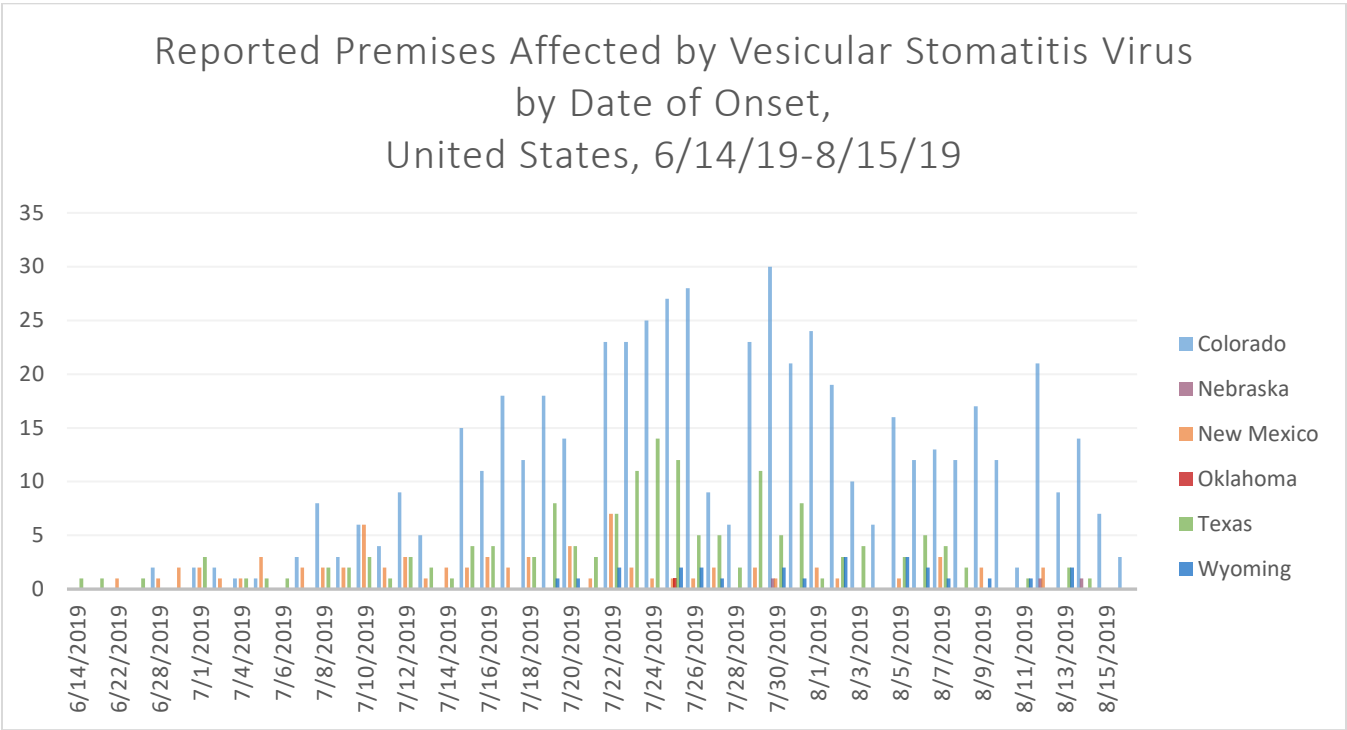
**Map 1. Counties with Current VSV-Quarantined Premises (shaded in blue)**



**Map 2. Counties with Premises Quarantined for VSV Since June 21, 2019 (shaded in blue)**



**Figure 1. Cumulative Epidemic Curve for Onset of Lesions in Animals on Affected Premises. Information complete as of August 15, 2019.**





**Table 3. Timeline of Events**

<b>Date</b>	<b>Event</b>
June 21, 2019	VSV index case for the U.S. confirmed at NVSL – Kinney County, Texas
June 24, 2019	New affected county confirmed – Tom Green County, Texas
June 26, 2019	Index case for New Mexico confirmed – Sandoval County, New Mexico
July 3, 2019	Index case for Colorado confirmed – Weld County, Colorado
July 5, 2019	New affected counties confirmed – Los Alamos, New Mexico; Larimer County, Colorado
July 8, 2019	New affected counties confirmed – Valencia County, New Mexico; Coleman County, Texas; Kerr County, Texas
July 10, 2019	New affected counties confirmed – La Plata County, Colorado; Santa Fe County, New Mexico
July 11, 2019	New affected counties confirmed – Taylor County, Texas; Val Verde County, Texas
July 12, 2019	New affected counties confirmed – Boulder County, Colorado; Shackelford and Wichita Counties, Texas
July 16, 2019	New affected county confirmed – Broomfield County, Colorado
July 17, 2019	New affected counties confirmed – Adams County, Colorado; Bastrop, Hood, and Johnson Counties, Texas
July 18, 2019	New affected county confirmed – Hays County, Texas
July 19, 2019	New affected county confirmed – Delta County, Colorado
July 22, 2019	New affected county confirmed – Archuleta County, Colorado
July 23, 2019	New affected counties confirmed – Montezuma County and Morgan County, Colorado; Somervell County, Texas
July 24, 2019	Index case for Wyoming confirmed – Platte County, Wyoming. New affected counties confirmed – Mesa County, Colorado; Cibola and San Miguel Counties, New Mexico
July 25, 2019	New affected counties confirmed – Brown, Palo Pinto, and Travis Counties, Texas
July 26, 2019	New affected counties confirmed – Jefferson County, Colorado; Sierra County, New Mexico; Parker County, Texas.
July 29, 2019	Index case for Oklahoma confirmed – Tillman County, Oklahoma. New affected counties confirmed – San Juan County, New Mexico; Caldwell, Eastland, and San Saba Counties, Texas.
July 30, 2019	New affected counties confirmed – Conejos County, Colorado; Mills County, Texas.
July 31, 2019	New affected counties confirmed – Montrose County, Colorado; Guadalupe, Lampasas, McLennan, and Williamson Counties, Texas.
August 1, 2019	New affected counties confirmed – Alamosa and Ouray Counties, Colorado; Gonzales and Mason Counties, Texas; Laramie County, Wyoming.



August 2, 2019	New affected counties confirmed – Douglas County, Colorado; Socorro County, New Mexico; Falls County, Texas; Converse County, Wyoming.
August 5, 2019	New affected counties confirmed – Coryell and Erath Counties, Texas.
August 6, 2019	New affected counties confirmed – Gilpin and Pueblo Counties, Colorado; Haskell County, Texas.
August 7, 2019	New affected counties confirmed – Grand County, Colorado; Mora County, New Mexico.
August 8, 2019	New affected county confirmed – Bell County, Texas.
August 9, 2019	Index case for Nebraska confirmed – Lincoln County, Nebraska. New affected county confirmed – Bosque County, Texas.
August 14, 2019	New affected counties confirmed – Arapahoe and Mineral Counties, Colorado.
August 15, 2019	New affected counties confirmed – Gunnison County, Colorado; Scottsbluff County, Nebraska; Dallas County, Texas; Albany and Sweetwater Counties, Wyoming.
August 16, 2019	New affected county confirmed – Collin County, Texas.
August 19, 2019	Index cases for Utah confirmed – Emery and Uintah Counties, Utah.
August 20, 2019	New affected counties confirmed – Chaffee and Fremont Counties, Colorado.
August 21, 2019	New affected county confirmed – Park County, Colorado
August 22, 2019	New affected counties confirmed – Dawes County, Nebraska; Ellis County, Texas; Hot Springs County, Wyoming.