



Animal and Plant
Health Inspection
Service

Veterinary
Services

Swine Enteric Coronavirus Disease (SECD) Situation Report – July 31, 2014

Information current as of 4:30 pm CST, July 30, 2014

In response to the significant impact swine enteric coronavirus diseases (SECD) are having on the U.S. pork industry, USDA issued a Federal Order for *Reporting, Herd Monitoring, and Management of Novel Swine Enteric Coronavirus Diseases*, effective June 5, 2014. This Situation Report provides current and cumulative information only on SECD-infected premises that have been entered into the Emergency Management Response System (EMRS). These SECD-infected premises have been verified by field personnel, according to the accepted case definition. Veterinary Services and State personnel work with submitting veterinarians to verify the locations sampled and the presence of clinical signs, since issuance of the Federal Order.

General information about the SECD monitoring and control program is provided on the USDA web site at: www.aphis.usda.gov/animal-health/secd

Confirmed Positive Premises

Since the Federal Order was initiated on June 5, 2014, 89 SECD-positive premises have been identified, including 77 premises confirmed positive for porcine epidemic diarrhea virus (PEDV); 7 premises confirmed positive for porcine deltacoronavirus (PDCoV); and 5 premises confirmed for both PEDV and PDCoV. SECD-positive premises have been identified in 13 States.

Status of Laboratory Accessions in EMRS

Cumulative since June 5th, 2014: These accessions are listed only as an indication of the positive lab accessions that have been received and processed in EMRS, reflecting the workload for State and Federal personnel. These accession data do not equate to verified positive premises; multiple accessions are being submitted for single, positive, premises which results in a much larger number of positive accessions than actual positive premises.

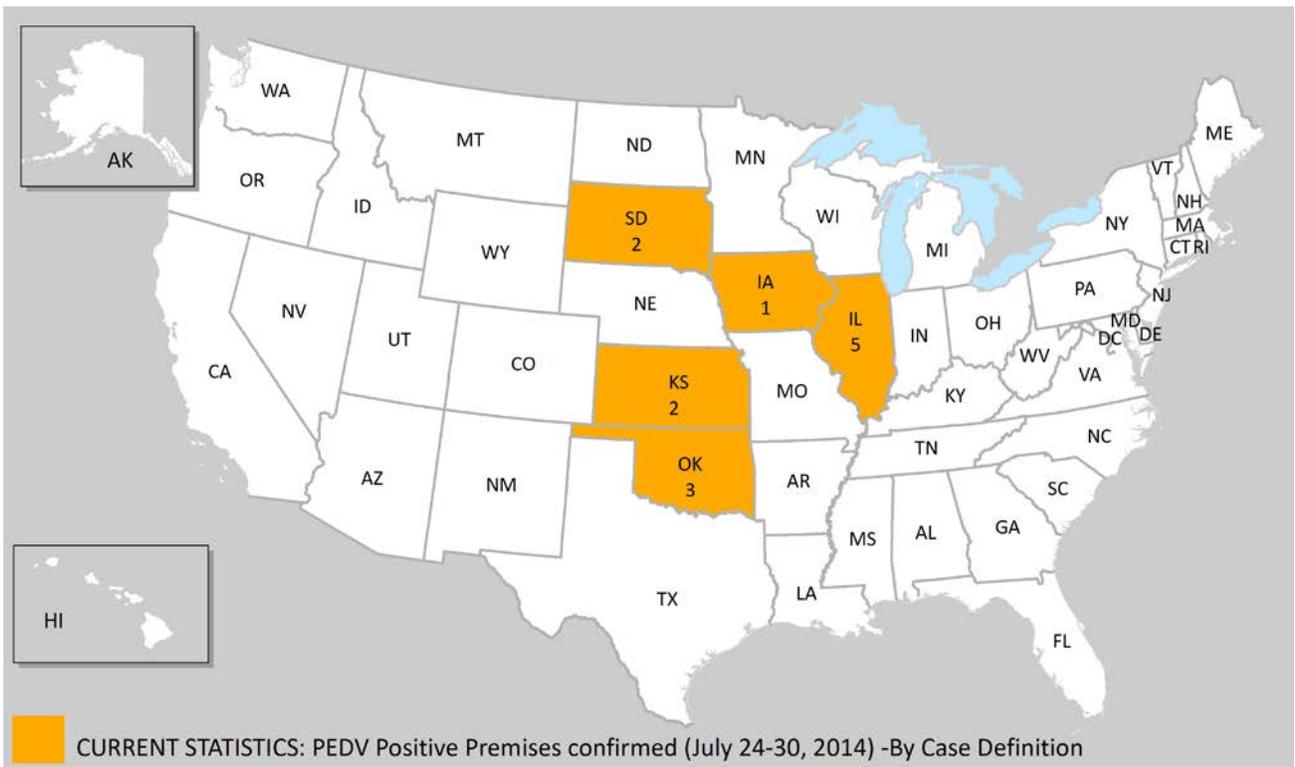
<u># Positive accessions</u> <i>Total received in EMRS.</i>	<u>Received-pending</u> <i>Not yet assigned due to lack of information.</i>	<u>Assigned for follow-up</u> <i>Field personnel contacting submitters.</i>	<u>Verified</u> <i>Matched to premises where sampled.</i>
711	145	340	226

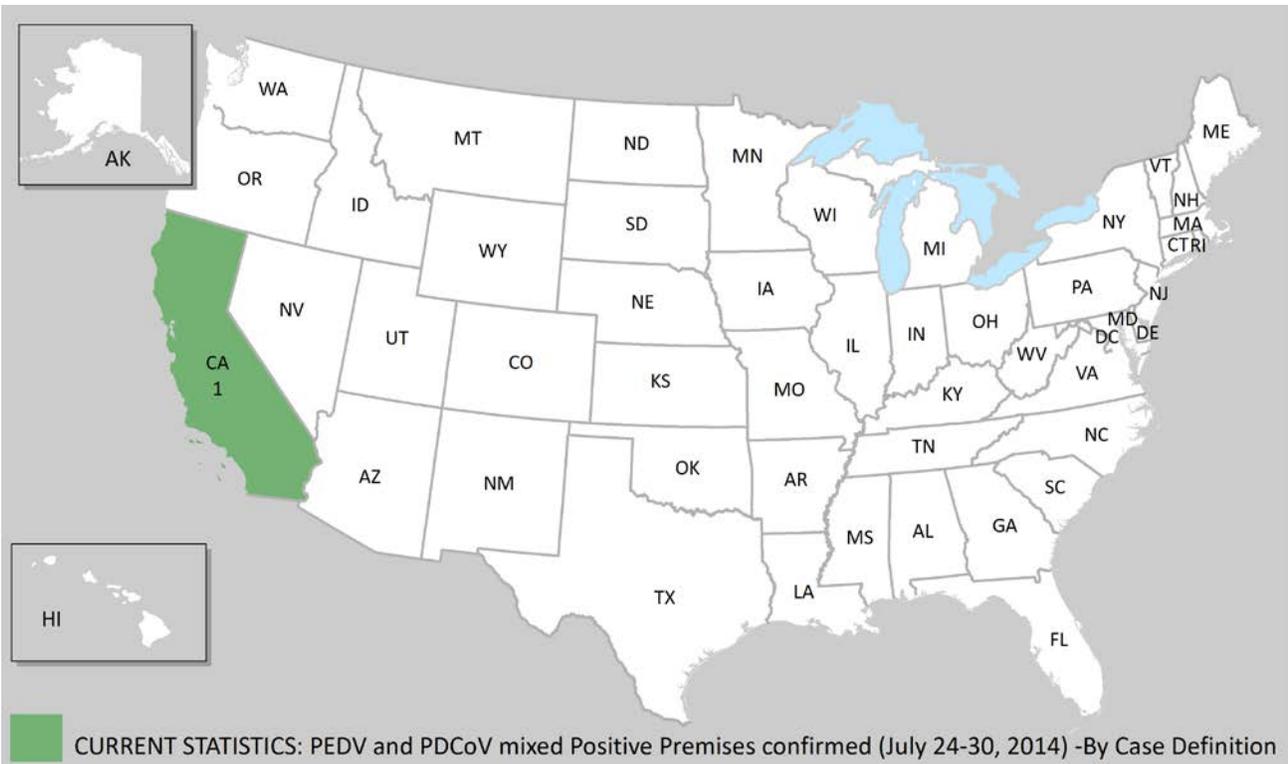
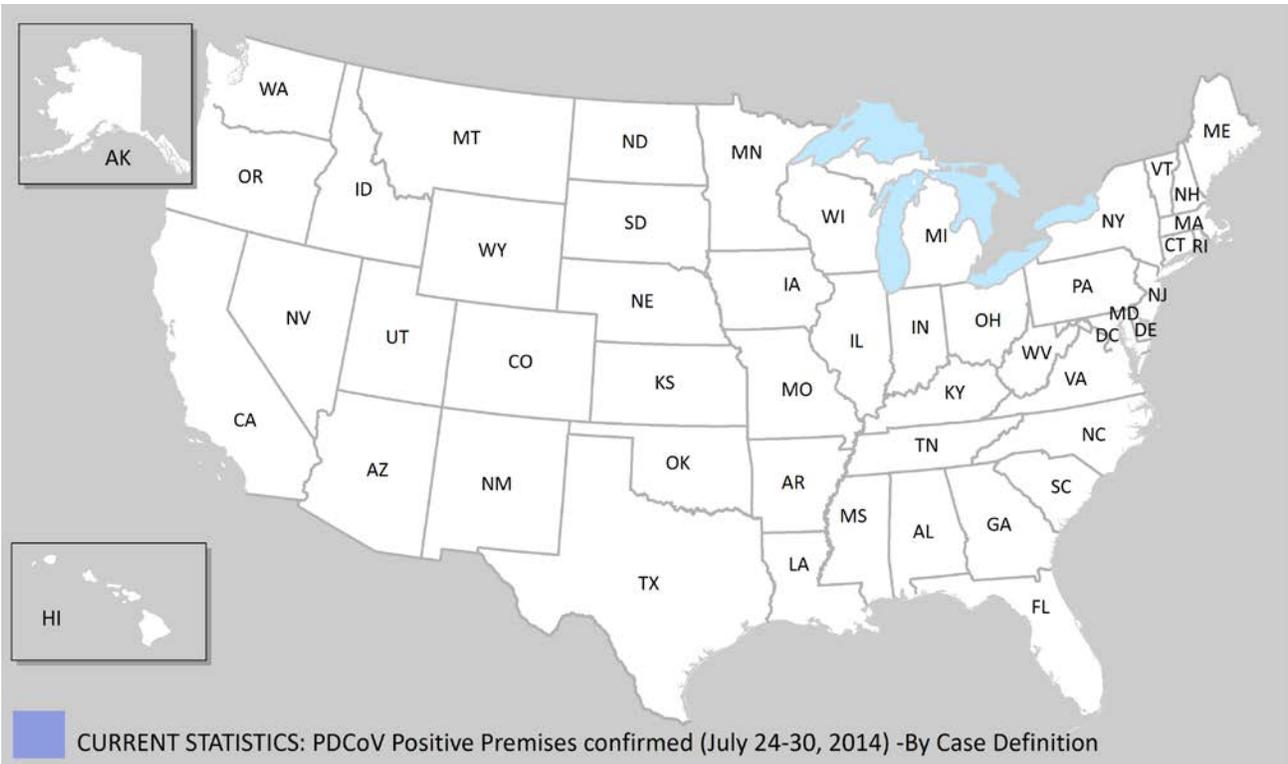
Notes:

- 1) Fifty-four (54) positive laboratory accessions that were from feed samples were reclassified and inactivated. These 54 accessions were included in previous reports due to a process error that labeled them as Other Specimens which has been corrected.
- 2) While verification procedures are providing an accurate location of positive premises, this step can be challenging and is quite different than gathering voluntary surveillance data. For instance, we have identified a number of accessions with an incorrect State of origin listed on the lab submission/LMS result. These are reflected in Assigned LMS accessions and have been sent to submitters for verification. We continue to improve communications and processes with submitters and animal health officials to reduce the verification turnaround time.

CURRENT STATISTICS: SECD Positive Premises Confirmed (July 24-30, 2014) by Case Definition					
State	PEDV Confirmed Positive Premises	PDCoV Confirmed Positive Premises	PEDV and PDCoV mixed infection Confirmed Positive Premises	SECD Confirmed Positive Premises Totals	SECD Confirmed Positive Premises with Active Herd Plans added this period
IA	1	0	0	1	2
KS	2	0	0	2	3
CA	0	0	1	1	0
OK	3	0	0	3	1
IL	5	0	0	5	5
KY	0	0	0	0	1
SD	2	0	0	2	0
Totals	13	0	1	14	12

MAPS – Current Statistics



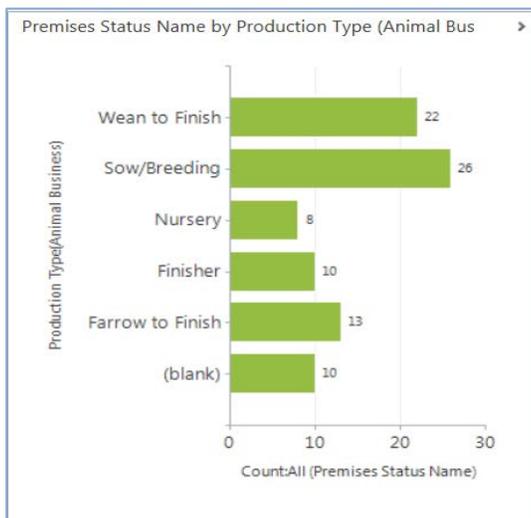


CUMULATIVE STATISTICS: SECD Positive Premises Confirmed (June 5–July 30, 2014) by Case Definition					
State	PEDV Confirmed Positive Premises	PDCoV Confirmed Positive Premises	PEDV and PDCoV mixed infection Confirmed Positive Premises	SECD Confirmed Positive Premises Totals	SECD Confirmed Positive Premises with Active Herd Plans
IA	24	1	0	25	4
IL	7	0	0	7	7
KS	7	0	0	7	3
MI	0	0	2	2	2
NC	4	0	0	4	0
NE	4	1	0	5	2
OH	8	1	2	11	1
OK	11	0	0	11	6
PA	3	4	0	7	7
TX	1	0	0	1	0
KY	3	0	0	3	1
SD	5	0	0	5	0
CA	0	0	1	1	0
Total	77	7	5	89	33

Notes:

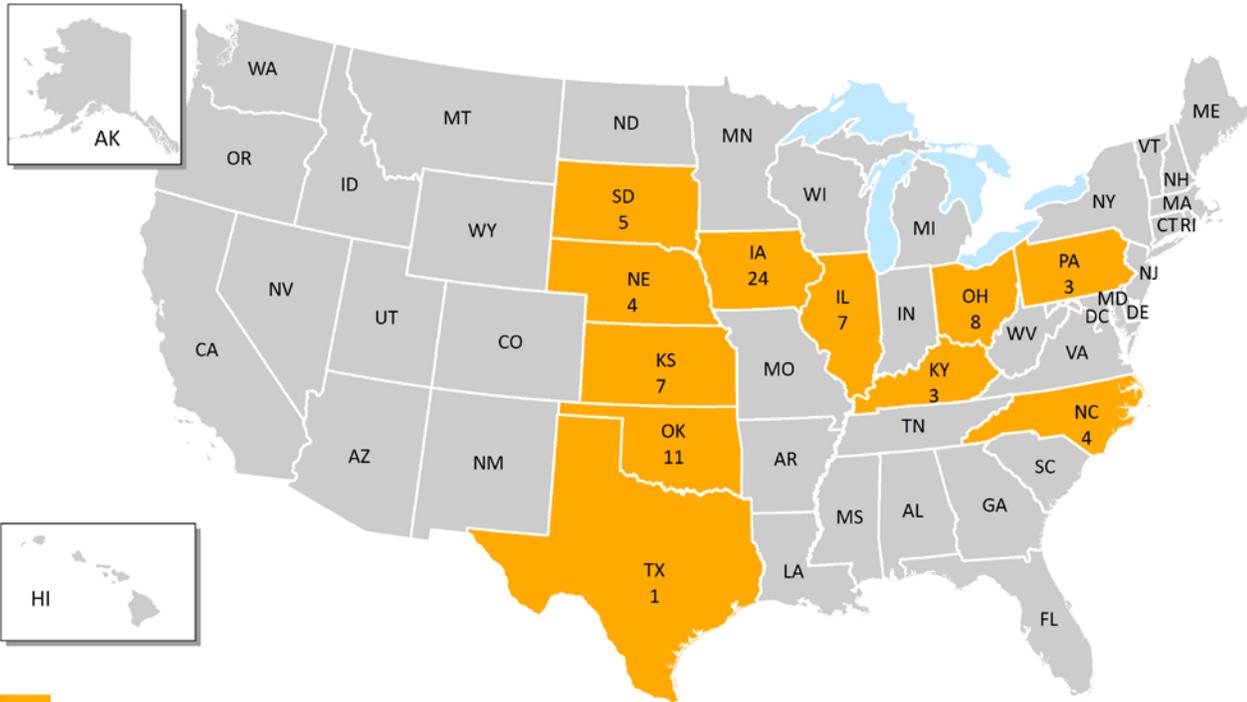
- 1) The MO Positive PEDV Premises previously counted in the cumulative statistics, was reclassified as a Presumptive Positive PEDV premises after further review determined clinical signs were not present since June 5th and thus is not reported.
- 2) The MI Positive PEDV premises previously counted in the cumulative statistics, had two statuses open simultaneously. The positive PEDV status was closed to reflect the accurate status of the premise to be a co-infection of PEDV and PDCoV.

Cumulative Positive Premises by Production Type (n = 89).

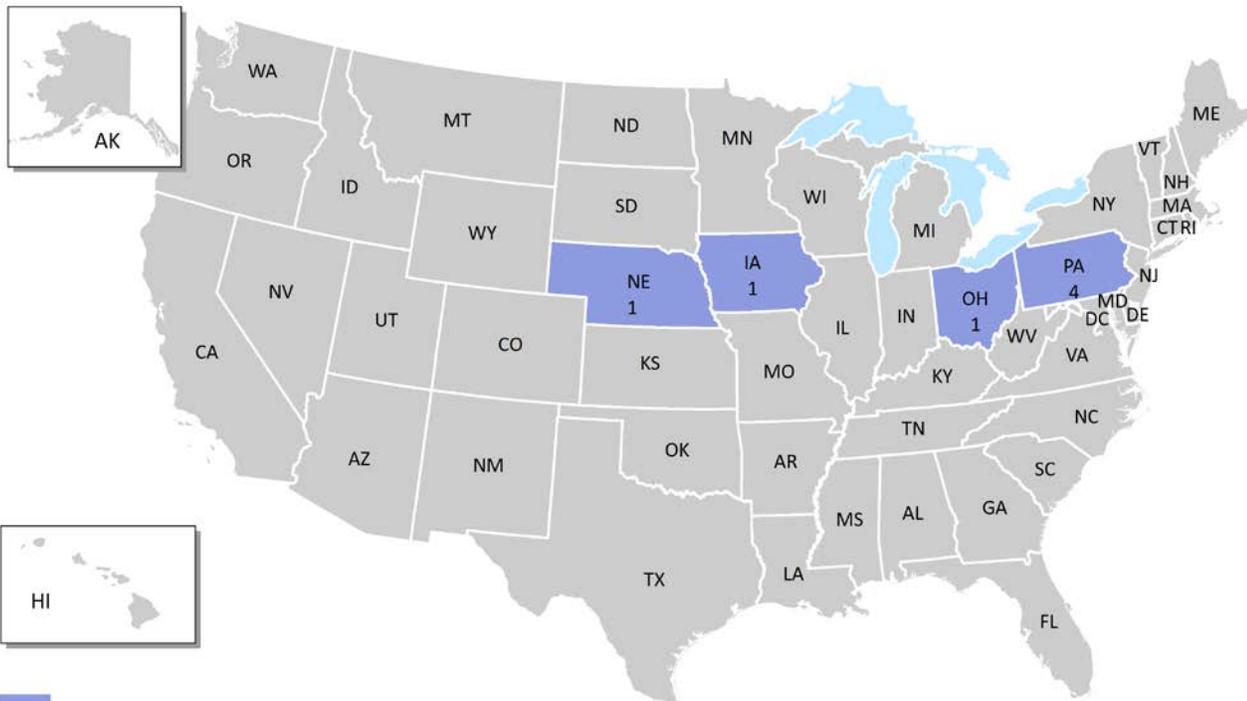


Note: "(blank)" indicates some submitters have not yet provided information on positive premises production type.

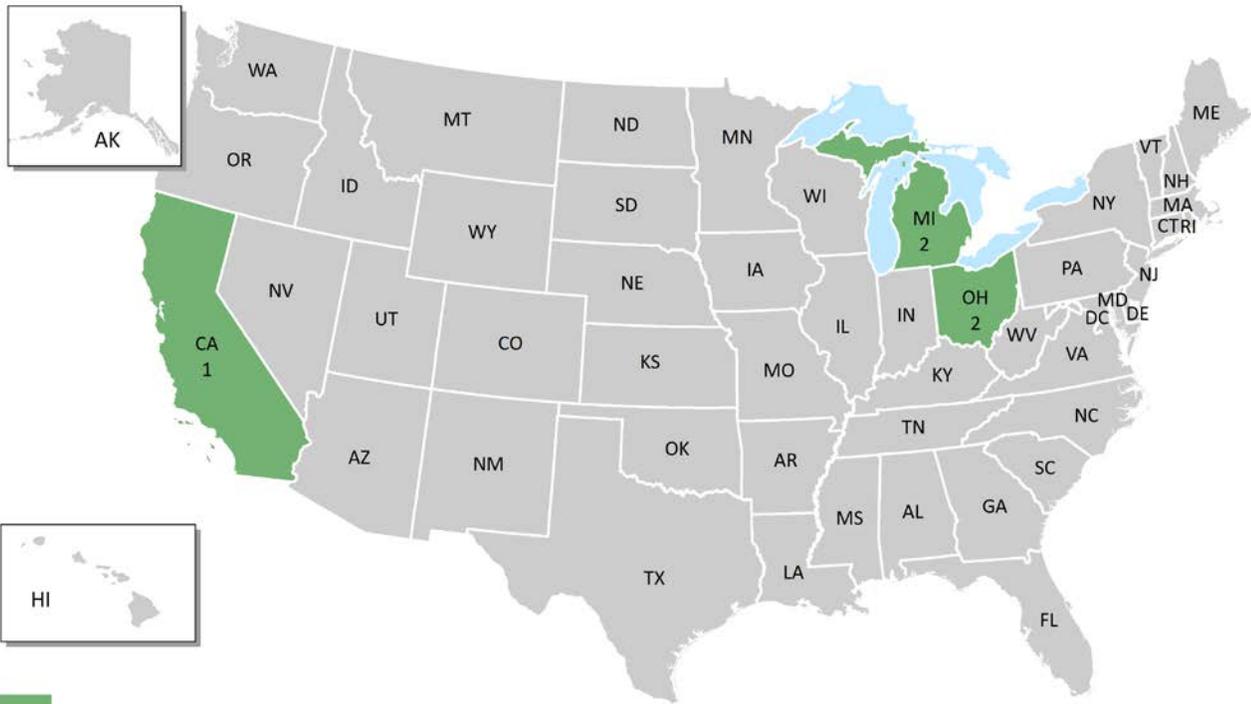
MAPS – Cumulative Statistics



CUMULATIVE STATISTICS: PEDV Positive Premises confirmed (June 5 –July 30, 2014) -By Case Definition



CUMULATIVE STATISTICS: PDCoV Positive Premises confirmed (June 5 - July 30, 2014) -By Case Definition



CUMULATIVE STATISTICS: PEDV and PDCoV mixed Positive Premises confirmed (June 5 –July 30, 2014) -By Case Definition