

## **Porcine Epidemic Diarrhea virus (PEDv) Testing Data from NAHLN Laboratories**

Report prepared 10/24/2013

- This report was prepared by USDA APHIS VS NVSL National Animal Health Laboratory Network (NAHLN); the report covers the reporting period of 09/22/2013 through 10/19/2013.
  - Due to the Federal shutdown, the NAHLN report was suspended for the weeks of 9/22/13 through 10/6/13. However, the University of Minnesota Diagnostic Laboratory collected and reported PEDv testing data during that timeframe.
  - This report includes data from that timeframe in order to be as comprehensive as possible.
- Data are updated as new information is received and laboratory and/or field follow-up is conducted. Therefore, data summaries provided in this report may differ from those provided in past reports. Additionally, note that the total number of swine accessions does not necessarily equal the number of farm type/age class totals due to accessions that include pigs from different age classes.
- Veterinary diagnostic laboratories that have reported PEDv testing data to NAHLN include: Iowa State University, Kansas State University, Ohio Department of Agriculture, University of Minnesota, Nebraska Veterinary Diagnostic Center and South Dakota State University.
- Starting the week of 6/16/2013, PEDv testing data was coordinated and reported by USDA NAHLN. Weekly data prior to 6/16/2013 was provided by Iowa State University Diagnostic Laboratory.
- Tables 1-5 summarize data from swine samples only (or accessions / premises with biological samples). Table 6 summarizes data from environmental samples only.

**Table 1. Total number of PEDv positive laboratory swine accessions / premises tested per week**

Week of	Total Number of Swine Accessions/Diagnostic Case Submissions Testing Positive for PEDv	Farm Type / Age Class				
		Suckling	Nursery	Grower / Finisher	Sow / Boar	Unk
4/15/2013	2	0	0	1	0	0
4/22/2013	1	0	0	1	0	0
4/29/2013	9	0	0	5	1	0
5/6/2013	17	0	0	7	4	3
5/13/2013	10	0	0	3	5	1
5/20/2013	44	0	0	33	7	3
5/27/2013	32	0	0	22	6	1
6/3/2013	55	0	0	34	13	5
6/10/2013	48	0	0	24	11	7
Subtotals *	218	Not Reported	Not Reported	130	47	20
6/16/2013	47	7	5	13	11	14
6/23/2013	37	7	7	13	1	9
6/30/2013	10	3	3	3	1	0
7/7/2013	34	2	5	15	10	3
7/14/2013	33	4	10	10	4	6
7/21/2013	24	2	2	8	4	9
7/28/2013	31	7	6	9	5	7
8/4/2013	27	12	1	9	6	1
8/11/2013	36	20	7	4	6	1
8/18/2013	30	11	12	2	3	2
8/25/2013	26	9	8	0	6	3
9/1/2013	31	6	10	8	4	3
9/8/2013	28	16	6	2	4	3
9/15/2013	32	11	8	7	1	5
9/22/2013	40	6	6	11	10	8
9/29/2013	42	8	10	11	6	8
10/6/2013	43	14	10	12	5	2
10/13/2013	59	22	12	15	2	8
<b>TOTAL</b>	<b>828</b>	<b>167</b>	<b>128</b>	<b>282</b>	<b>136</b>	<b>112</b>

\* For the weeks prior to 6/16/2013, laboratories were able to provide diagnostic case submissions *and* number of premises testing positive for PEDv. Starting 6/16/2013, the data are limited to ONLY diagnostic case submissions (aka Swine Accessions).

**Table 2. Total number of POSITIVE laboratory swine accessions / diagnostic case submissions per week from each State\*. Only States with positive PEDv accessions are included in this summary table.**

Week of	Total Number of Swine Accessions/Diagnostic Case Submissions Testing Positive for PEDv	CO	IA	IL	IN	KS	KY	MI	MN	MO	NC	NY	OH	OK	PA	SD	TN	TX	WI	Unk
4/15/2013	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
4/22/2013	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4/29/2013	9	0	5	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
5/6/2013	17	1	8	0	3	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
5/13/2013	10	1	4	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0
5/20/2013	44	5	25	0	2	0	0	0	7	1	0	0	2	1	0	0	0	0	0	0
5/27/2013	32	0	22	1	1	0	0	1	3	0	0	0	0	0	0	1	0	0	0	0
6/3/2013	55	0	21	0	2	3	0	2	2	0	0	0	0	17	2	0	0	0	0	3
6/10/2013	48	0	17	0	1	3	0	0	2	0	0	0	0	20	1	0	0	0	0	3
Subtotals *	218	7	102	1	10	6	0	3	19	1	0	0	4	38	4	1	0	0	0	6
6/16/2013	47	1	10	0	1	7	0	0	8	0	0	1	3	16	0	0	0	0	0	0
6/23/2013	37	1	15	0	1	1	0	0	4	0	2	0	0	13	0	0	0	0	0	0
6/30/2013	10	0	3	0	0	0	0	0	0	0	2	0	2	3	0	0	0	0	0	0
7/7/2013	34	1	6	1	2	4	0	0	2	0	3	0	2	11	0	0	0	0	0	2
7/14/2013	33	2	7	0	4	7	0	1	3	0	2	0	0	7	0	0	0	0	0	0
7/21/2013	24	1	6	0	1	3	0	0	0	0	7	0	0	4	0	0	1	1	0	0
7/28/2013	31	1	5	1	1	7	0	0	3	0	2	0	1	10	0	0	0	0	0	0
8/4/2013	27	1	9	1	1	6	0	0	1	0	2	0	0	5	0	0	0	0	1	0
8/11/2013	36	6	4	0	0	13	0	0	0	0	5	0	0	7	0	0	0	0	0	1
8/18/2013	30	1	6	0	1	5	0	0	0	0	1	0	2	14	0	0	0	0	0	0
8/25/2013	26	0	2	0	1	3	0	0	2	0	4	0	1	10	3	0	0	0	0	0
9/1/2013	31	2	6	0	1	8	0	0	1	0	4	0	0	4	5	0	0	0	0	0
9/8/2013	28	0	0	0	0	7	0	0	0	0	6	0	1	13	0	0	1	0	0	0
9/15/2013	32	0	7	0	1	3	0	0	2	0	12	1	0	5	1	0	0	0	0	0
9/22/2013	40	1	3	0	1	5	0	0	1	0	24	0	0	4	0	0	0	0	0	1
9/29/2013	42	2	6	0	0	2	0	0	2	0	19	0	0	6	1	0	0	3	0	1
10/6/2013	43	1	6	0	0	6	1	0	1	0	21	0	0	6	1	0	0	0	0	0
10/13/2013	59	0	10	1	0	4	1	0	6	0	21	0	0	14	2	0	0	0	0	0
<b>TOTAL</b>	<b>828</b>	<b>28</b>	<b>213</b>	<b>5</b>	<b>26</b>	<b>97</b>	<b>2</b>	<b>4</b>	<b>55</b>	<b>1</b>	<b>137</b>	<b>2</b>	<b>16</b>	<b>190</b>	<b>17</b>	<b>1</b>	<b>2</b>	<b>4</b>	<b>1</b>	<b>11</b>

\* For the weeks prior to 6/16/2013, laboratories were able to provide diagnostic case submissions *and* number of premises testing positive for PEDv. These are represented by the Subtotal. Starting 6/16/2013, the data are limited to ONLY diagnostic case submissions (aka Swine Accessions).

**Table 3. Total number of swine samples testing POSITIVE for PEDv per week from each State.** Only States with positive PEDv samples are included in this summary table. Laboratories began reporting number of samples the week of 06/16/2013.

Week of	Total Number of Biological Samples Testing Positive for PEDv	CO	IA	IL	IN	KS	KY	MI	MN	MO	NC	NY	OH	OK	PA	SD	TN	TX	WI	Unk
6/16/2013	163	2	15	0	1	37	0	0	20	0	0	1	12	75	0	0	0	0	0	0
6/23/2013	164	6	25	0	2	4	0	0	7	0	16	0	0	104	0	0	0	0	0	0
6/30/2013	58	0	4	0	0	0	0	0	0	0	18	0	13	23	0	0	0	0	0	0
7/7/2013	171	4	8	4	3	47	0	0	3	0	14	0	24	61	0	0	0	0	0	3
7/14/2013	140	6	17	0	8	35	0	1	7	0	30	0	0	36	0	0	0	0	0	0
7/21/2013	117	6	10	0	4	38	0	0	0	0	42	0	0	10	0	0	5	2	0	0
7/28/2013	113	4	15	6	1	50	0	0	9	0	5	0	1	22	0	0	0	0	0	0
8/4/2013	68	2	22	1	1	19	0	0	1	0	9	0	0	10	0	0	0	0	3	0
8/11/2013	163	12	10	0	0	89	0	0	0	0	12	0	0	39	0	0	0	0	0	1
8/18/2013	72	5	15	0	2	12	0	0	0	0	1	0	3	34	0	0	0	0	0	0
8/25/2013	71	0	2	0	2	14	0	0	2	0	21	0	2	22	6	0	0	0	0	0
9/1/2013	85	26	9	0	1	20	0	0	2	0	12	0	0	6	9	0	0	0	0	0
9/8/2013	79	0	0	0	0	25	0	0	0	0	11	0	16	26	0	0	1	0	0	0
9/15/2013	130	0	9	0	1	16	0	0	9	0	61	3	0	30	1	0	0	0	0	0
9/22/2013	156	1	3	0	1	20	0	0	5	0	114	0	0	4	0	0	0	0	0	8
9/29/2013	165	5	17	0	0	7	0	0	14	0	84	0	0	18	2	0	0	10	0	8
10/6/2013	184	2	11	0	0	22	1	0	5	0	111	0	0	31	1	0	0	0	0	0
10/13/2013	243	0	15	1	0	27	2	0	25	0	81	0	0	64	28	0	0	0	0	0
<b>TOTAL</b>	<b>2342</b>	<b>81</b>	<b>207</b>	<b>12</b>	<b>27</b>	<b>482</b>	<b>3</b>	<b>1</b>	<b>109</b>	<b>0</b>	<b>642</b>	<b>4</b>	<b>71</b>	<b>615</b>	<b>47</b>	<b>0</b>	<b>6</b>	<b>12</b>	<b>3</b>	<b>20</b>

\*\* NR= Not Reported

**Table 4. Total number of POSITIVE laboratory swine accessions / diagnostic case submissions in each age class from each State for the current reporting week and cumulatively since the week of 6/16/2013.** Only States with positive PEDv accessions are included in this summary table.

	Current Week (10/13/2013 – 10/19/2013)					Cumulative since week of 6/16/2013				
State	Suckling	Nursery	Grower/ Finisher	Sow/Boar	Unknown	Suckling	Nursery	Grower/ Finisher	Sow/Boar	Unknown
CO						9	5	2	5	1
IA	6	3	1			29	26	36	8	12
IL		1					1		2	1
IN						4	6	2	3	1
KS			3		1	38	9	24	19	6
KY	1					2				
MI							1			
MN		2	1		3	2	8	3		25
NC	9		7	2	3	39	14	40	24	20
NY						2				
OH						3	6	2	3	
OK	5	5	3		1	36	42	34	24	21
PA	1	1				2	6	4	1	
TN								2		
TX							2	2		1
WI						1	1			
UNKNOWN							1			4
<b>TOTAL</b>	<b>22</b>	<b>12</b>	<b>15</b>	<b>2</b>	<b>8</b>	<b>167</b>	<b>128</b>	<b>151</b>	<b>89</b>	<b>92</b>

**Table 5. Total number of swine samples (biological samples) testing POSITIVE for PEDv in each age class from each State for the current reporting week and cumulatively since the week of 6/16/2013.** Only States with positive PEDv accessions are included in this summary table.

	Current Week (10/13/2013 – 10/19/2013)					Cumulative since week of 6/16/2013				
State	Suckling	Nursery	Grower/ Finisher	Sow/Boar	Unknown	Suckling	Nursery	Grower/ Finisher	Sow/Boar	Unknown
CO						28	36	5	10	2
IA	9	6				53	41	65	13	35
IL		1					1		5	6
IN						5	11	5	4	2
KS			17		10	114	91	166	78	33
KY	2					3				
MI							1			
MN		5	1		19	2	17	4		86
NC	32		36	11	2	152	47	179	138	126
NY						4				
OH						5	48	5	13	
OK	26	22	15		1	122	192	160	63	78
PA	25	3				27	12	7	1	
TN								6		
TX							4	6		2
WI						2	1			
UNKNOWN							1			19
<b>TOTAL</b>	<b>94</b>	<b>37</b>	<b>69</b>	<b>11</b>	<b>32</b>	<b>517</b>	<b>503</b>	<b>608</b>	<b>325</b>	<b>389</b>

**Table 6. Total number of environmental samples testing **POSITIVE** for PEDv per week from each State.** Only States with positive PEDv environmental samples are included in this summary table. Laboratories began reporting number of environmental samples the week of 06/16/2013.

Week of	Total Number of Environmental Samples Testing Positive for PEDv	CO	IA	KS	MN	MO	NC	OH	OK	PA	SD	VA	Unknown
6/16/2013	25	4	12	4	0	0	0	0	4	0	0	0	1
6/23/2013	93	1	2	17	0	0	0	0	72	1	0	0	0
6/30/2013	55	0	0	7	0	0	0	0	22	0	0	0	26
7/7/2013	43	0	1	0	10	0	0	0	10	0	0	0	22
7/14/2013	41	4	0	16	4	0	1	0	16	0	0	0	0
7/21/2013	24	0	0	0	8	0	0	0	16	0	0	0	0
7/28/2013	13	0	0	0	7	0	0	0	6	0	0	0	0
8/4/2013	38	0	12	0	24	0	0	0	1	0	1	0	0
8/11/2013	3	0	3	0	0	0	0	0	0	0	0	0	0
8/18/2013	2	0	1	0	1	0	0	0	0	0	0	0	0
8/25/2013	4	0	0	0	0	0	0	2	2	0	0	0	0
9/1/2013	5	0	0	0	0	0	0	1	2	0	0	2	0
9/8/2013	5	2	0	0	0	0	0	3	0	0	0	0	0
9/15/2013	12	1	4	3	0	0	1	0	3	0	0	0	0
9/22/2013	8	2	0	1	0	0	5	0	0	0	0	0	0
9/29/2013	65	0	3	5	46	0	6	2	3	0	0	0	0
10/6/2013	64	0	0	4	55	1	2	1	0	1	0	0	0
10/13/2013	29	0	0	1	23	0	4	0	1	0	0	0	0
<b>TOTAL</b>	529	14	38	58	178	1	19	9	158	2	1	2	49