

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

Report prepared 12/04/2013

- This report was prepared by USDA APHIS VS NVSL National Animal Health Laboratory Network (NAHLN); the report covers the reporting period of 11/24/2013 through 11/30/2013.
 - 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	57	22	11	15	2	7
10/20/2013	68	26	7	15	15	5
10/27/2013	85	23	16	28	17	4
11/3/2013	90	17	28	28	7	12
11/10/2013	92	16	28	36	4	12
11/17/2013	116	34	20	39	6	21
11/24/2013	96	21	23	15	3	34
TOTAL	1373	304	249	443	188	199

* 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	MD	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	0	8	0	0	1	3	16	0	0	0	0	0	0
6/23/2013	37	1	15	0	1	1	0	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	0	2	0	2	3	0	0	0	0	0	0
7/7/2013	34	1	6	1	2	4	0	0	0	2	0	3	0	2	11	0	0	0	0	0	2
7/14/2013	33	2	7	0	4	7	0	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	0	7	0	0	4	0	0	1	1	0	0
7/28/2013	31	1	5	1	1	7	0	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	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	0	5	0	0	7	0	0	0	0	0	1
8/18/2013	30	1	6	0	1	5	0	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	0	2	0	4	0	1	10	3	0	0	0	0	0
9/1/2013	31	2	6	0	1	8	0	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	0	6	0	1	13	0	0	1	0	0	0
9/15/2013	32	0	7	0	1	3	0	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	0	1	0	24	0	0	4	0	0	0	0	0	1
9/29/2013	42	2	6	0	0	2	0	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	0	1	0	21	0	0	6	1	0	0	0	0	0
10/13/2013	57	0	10	0	0	4	1	0	0	6	0	21	0	0	13	2	0	0	0	0	0
10/20/2013	68	1	20	2	1	9	1	0	0	2	0	22	0	0	9	1	0	0	0	0	0
10/27/2013	85	0	33	4	1	3	0	1	0	5	0	17	0	1	13	2	0	1	3	1	0
11/3/2013	90	0	38	1	1	6	0	0	2	7	2	14	0	5	10	1	0	1	1	1	0
11/10/2013	92	1	51	0	0	1	0	0	2	8	1	15	0	4	5	1	0	0	3	0	0
11/17/2013	116	1	48	5	3	5	0	0	0	17	0	14	0	4	11	1	0	1	6	0	0
11/24/2013	96	1	25	0	4	1	1	0	0	19	0	19	0	9	12	0	1	0	3	1	0
TOTAL	1373	32	428	16	36	122	4	1	8	113	4	238	2	39	249	23	2	5	20	4	11

* 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	MD	MI	MN	MO	NC	NY	OH	OK	PA	SD	TN	TX	WI	Unk
6/16/2013	163	2	15	0	1	37	0	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	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	0	18	0	13	23	0	0	0	0	0	0
7/7/2013	171	4	8	4	3	47	0	0	0	3	0	14	0	24	61	0	0	0	0	0	3
7/14/2013	140	6	17	0	8	35	0	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	0	42	0	0	10	0	0	5	2	0	0
7/28/2013	113	4	15	6	1	50	0	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	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	0	12	0	0	39	0	0	0	0	0	1
8/18/2013	72	5	15	0	2	12	0	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	0	2	0	21	0	2	22	6	0	0	0	0	0
9/1/2013	85	26	9	0	1	20	0	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	0	11	0	16	26	0	0	1	0	0	0
9/15/2013	130	0	9	0	1	16	0	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	0	5	0	114	0	0	4	0	0	0	0	0	8
9/29/2013	165	5	17	0	0	7	0	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	0	5	0	111	0	0	31	1	0	0	0	0	0
10/13/2013	241	0	15	0	0	27	2	0	0	25	0	81	0	0	63	28	0	0	0	0	0
10/20/2013	280	1	42	17	2	35	1	0	0	27	0	105	0	0	49	1	0	0	0	0	0
10/27/2013	329	0	82	23	1	6	0	1	0	9	0	127	0	1	65	1	0	5	7	1	0
11/3/2013	292	0	111	3	2	27	0	0	3	18	3	48	0	9	60	1	0	2	3	2	0
11/10/2013	372	2	129	0	0	14	0	0	7	36	4	120	0	12	17	21	0	0	10	0	0
11/17/2013	306	15	83	10	6	19	0	0	0	28	0	54	0	5	56	5	0	4	21	0	0
11/24/2013	412	7	49	0	5	1	2	0	0	63	0	164	0	56	48	0	1	0	13	3	0
TOTAL	4331	106	703	64	43	584	6	1	11	290	7	1260	4	154	909	76	1	17	66	9	20

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.

State	Current Week (11/24/2013 – 11/30/2013)					Cumulative since week of 6/16/2013				
	Suckling	Nursery	Grower/ Finisher	Sow/Boar	Unknown	Suckling	Nursery	Grower/ Finisher	Sow/Boar	Unknown
CO	1					11	5	4	6	1
IA	4	4	12		5	75	75	128	22	29
IL						2	1	2	6	4
IN		1	1		2	5	8	6	3	4
KS	1					47	12	31	24	7
KY					1	3				1
MD										1
MI						1	3		1	
MN	3	2	1		13	8	19	14		57
MO							3			
NC	8	4		3	4	78	35	56	42	31
NY						2				
OH	2	2			5	9	13	4	3	8
OK		10	1		1	54	63	43	32	25
PA						3	6	9	2	
SD					1					1
TN								5		
TX	1				2	4	4	9		5
WI	1					2	1	1		1
UNKNOWN							1			4
TOTAL	21	23	15	3	34	304	249	312	141	179

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 (11/24/2013 – 11/30/2013)					Cumulative since week of 6/16/2013				
State	Suckling	Nursery	Grower/ Finisher	Sow/Boar	Unknown	Suckling	Nursery	Grower/ Finisher	Sow/Boar	Unknown
CO	7					45	36	8	15	2
IA	14	6	16		13	143	162	264	64	70
IL						8	3	4	37	12
IN		1	1		3	7	14	12	4	6
KS	1					145	114	195	96	34
KY					2	4				2
MD										1
MI						1	9		1	
MN	13	2	3		45	25	34	22		209
MO							7			
NC	42	85		20	17	359	195	275	263	168
NY						4				
OH	12	6			38	23	63	9	13	46
OK		32	6		10	193	298	208	110	100
PA						47	12	15	2	
SD					1					1
TN								17		
TX	6				7	14	10	26		16
WI	3					5	1	1		2
UNKNOWN							1			19
TOTAL	98	132	26	20	136	1023	959	1056	605	688

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	IL	KS	MN	MO	NC	NE	NY	OH	OK	PA	SD	TN	VA	Unknown
6/16/2013	25	4	12	0	4	0	0	0	0	0	0	4	0	0	0	0	1
6/23/2013	93	1	2	0	17	0	0	0	0	0	0	72	1	0	0	0	0
6/30/2013	55	0	0	0	7	0	0	0	0	0	0	22	0	0	0	0	26
7/7/2013	43	0	1	0	0	10	0	0	0	0	0	10	0	0	0	0	22
7/14/2013	41	4	0	0	16	4	0	1	0	0	0	16	0	0	0	0	0
7/21/2013	24	0	0	0	0	8	0	0	0	0	0	16	0	0	0	0	0
7/28/2013	13	0	0	0	0	7	0	0	0	0	0	6	0	0	0	0	0
8/4/2013	38	0	12	0	0	24	0	0	0	0	0	1	0	1	0	0	0
8/11/2013	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8/18/2013	2	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
8/25/2013	4	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0
9/1/2013	5	0	0	0	0	0	0	0	0	0	1	2	0	0	0	2	0
9/8/2013	5	2	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0
9/15/2013	12	1	4	0	3	0	0	1	0	0	0	3	0	0	0	0	0
9/22/2013	8	2	0	0	1	0	0	5	0	0	0	0	0	0	0	0	0
9/29/2013	65	0	3	0	5	46	0	6	0	0	2	3	0	0	0	0	0
10/6/2013	64	0	0	0	4	55	1	2	0	0	1	0	1	0	0	0	0
10/13/2013	29	0	0	0	1	23	0	4	0	0	0	1	0	0	0	0	0
10/20/2013	32	0	4	0	11	8	0	1	0	0	2	6	0	0	0	0	0
10/27/2013	21	0	2	0	5	0	0	0	0	0	5	7	2	0	0	0	0
11/3/2013	102	0	9	24	45	2	7	0	0	0	3	12	0	0	0	0	0
11/10/2013	74	0	24	0	6	19	0	14	0	0	5	6	0	0	0	0	0
11/17/2013	146	0	15	0	22	34	6	14	2	1	2	46	0	0	3	0	1
11/24/2013	69	4	10	1	1	41	1	2	2	0	5	2	0	0	0	0	0
TOTAL	973	18	102	25	148	282	15	50	4	1	31	237	4	1	3	2	50