Animal and Plant Health Inspection Service

Veterinary Services

Swine Enteric Coronavirus Disease (SECD) Situation Report – Dec 10, 2015

Information current as of 12:00 pm MDT, 12/9/2015

This report provides information on confirmed SECD-infected premises and SECD laboratory testing results data reported to USDA since the Federal Order was initiated on June 5, 2014. USDA-APHIS-VS veterinary officials confirm SECD-infected premises according to the official case definition. These reports are available on the USDA Web site at www.aphis.usda.gov/animal-health/secd. The Web site provides additional SECD information, including reports on SECD laboratory testing prior to the Federal Order.

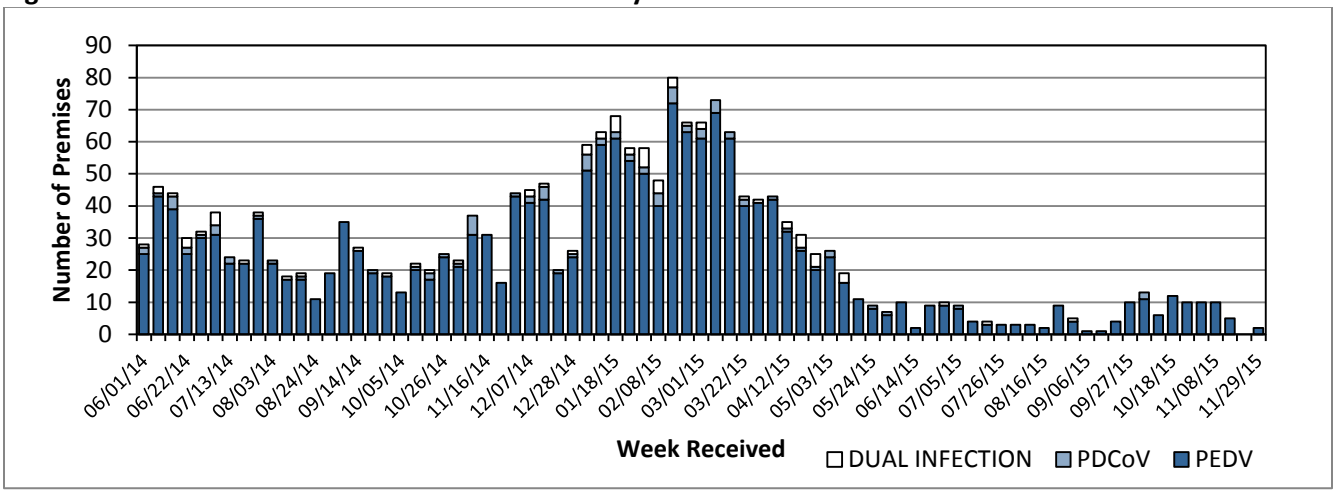
SECD Positive Premises

Table 1. SECD Positive Premises This Week and Cumulative since June 5, 2014

NEW THIS WEEK (NOV 29 –DEC 5, 2015)	PEDV	PDCOV	DUAL INFECTION[a]
New Confirmed Positive Premises This Week	7	0	1
New Presumptive Positive Premises This Week	0	0	0
CURRENT PREMISES WITH SECD POSITIVE STATUS			
Total Premises with Confirmed Positive Status This Week	1,624	77	67
CUMULATIVE SINCE JUNE 5, 2014[b]			
Confirmed Positive Premises	1,857	85	71
Presumptive Positive Premises	527	39	34
Confirmed Positive Premises that have Attained Negative Status (i.e., premises that changed from positive to negative status)[c]	212	7	3

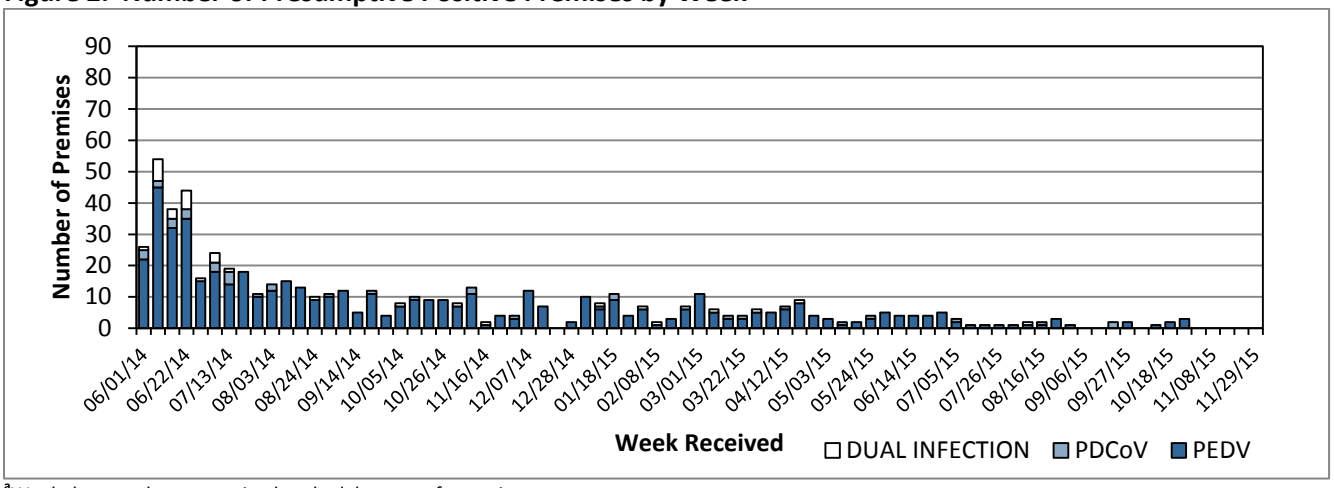
[a]Dual infection indicates premises with both PEDV and PDCoV
[b]Cumulative data includes current premises with positive status and premises that were positive but have acquired negative status
[c]See Notes section of this report for details about premises statuses

Figure 1. Number of Confirmed Positive Premises by Week [a]



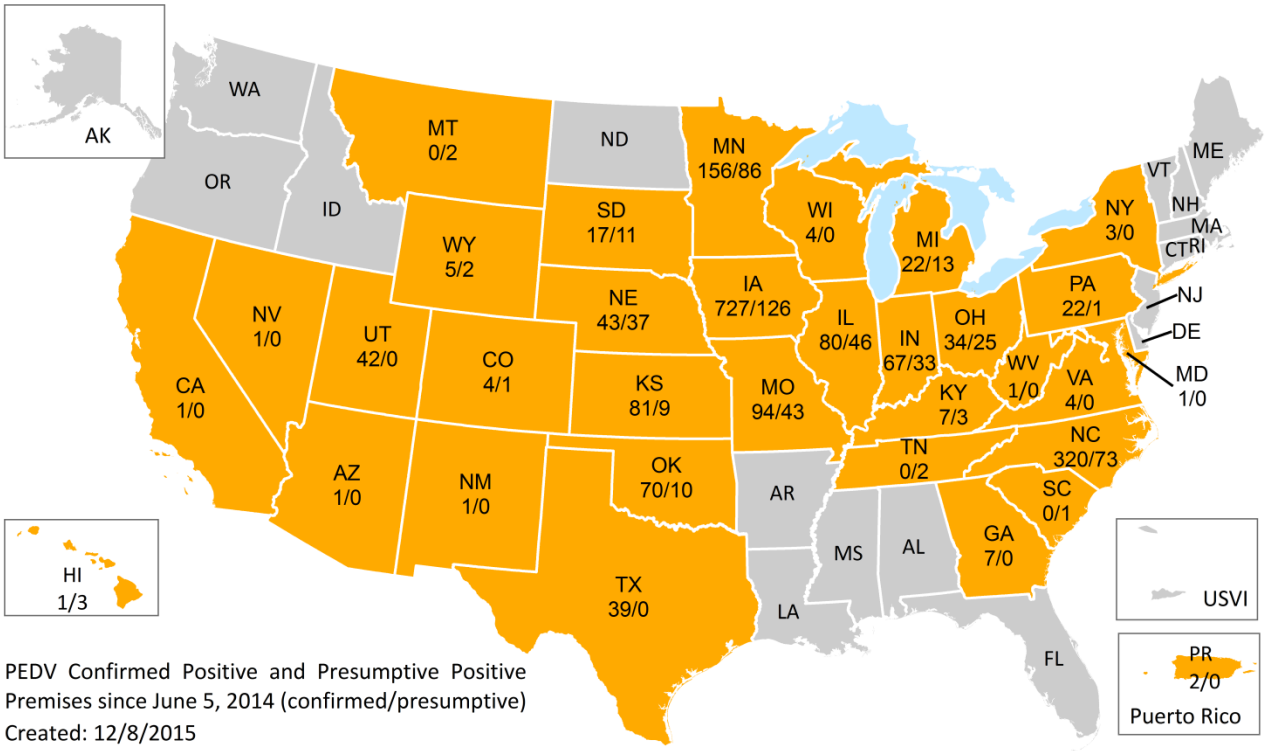
[a]Week the sample was received at the laboratory for testing

Figure 2. Number of Presumptive Positive Premises by Week [a]

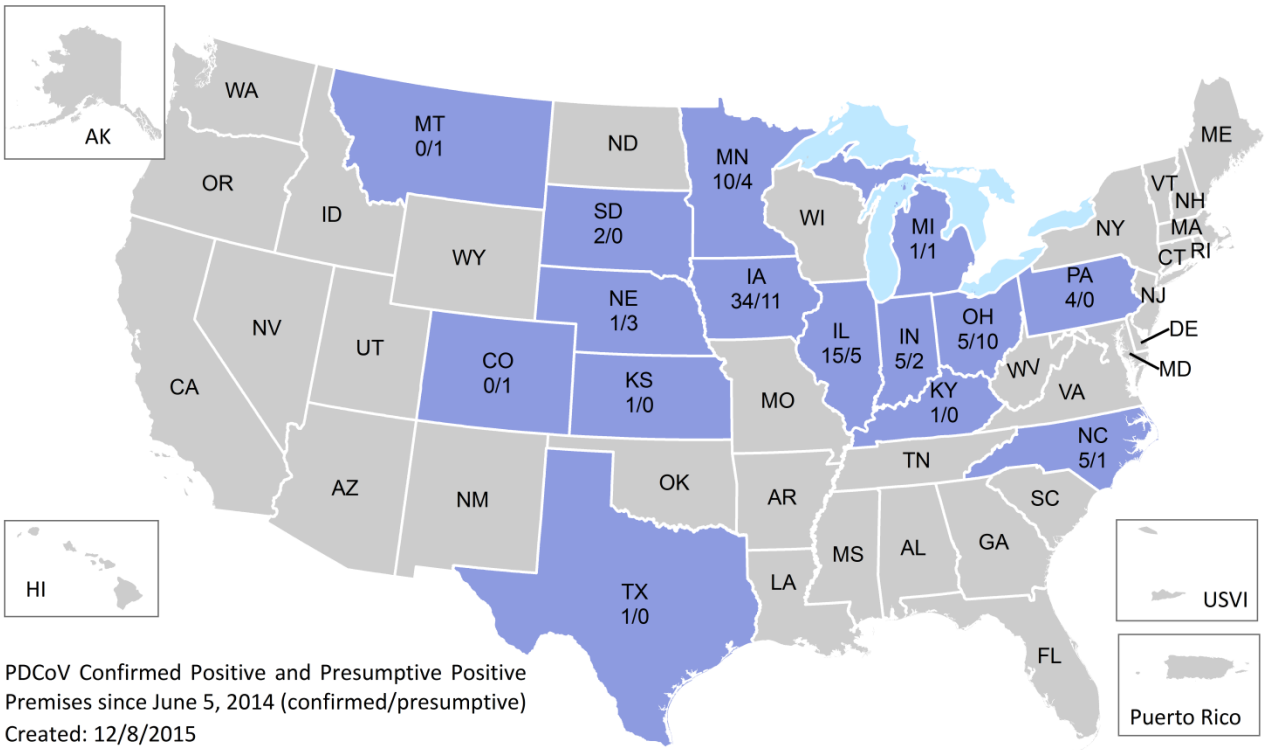


[a]Week the sample was received at the laboratory for testing

Map 1. PEDV: Cumulative Confirmed and Presumptive PEDV Positive Premises since June 5, 2014



Map 2. PDCoV: Cumulative Confirmed and Presumptive PDCoV Positive Premises since June 5, 2014



Map 3. Dual Infection: Cumulative Confirmed and Presumptive Positive Premises with Both PEDV and PDCOV since June 5, 2014

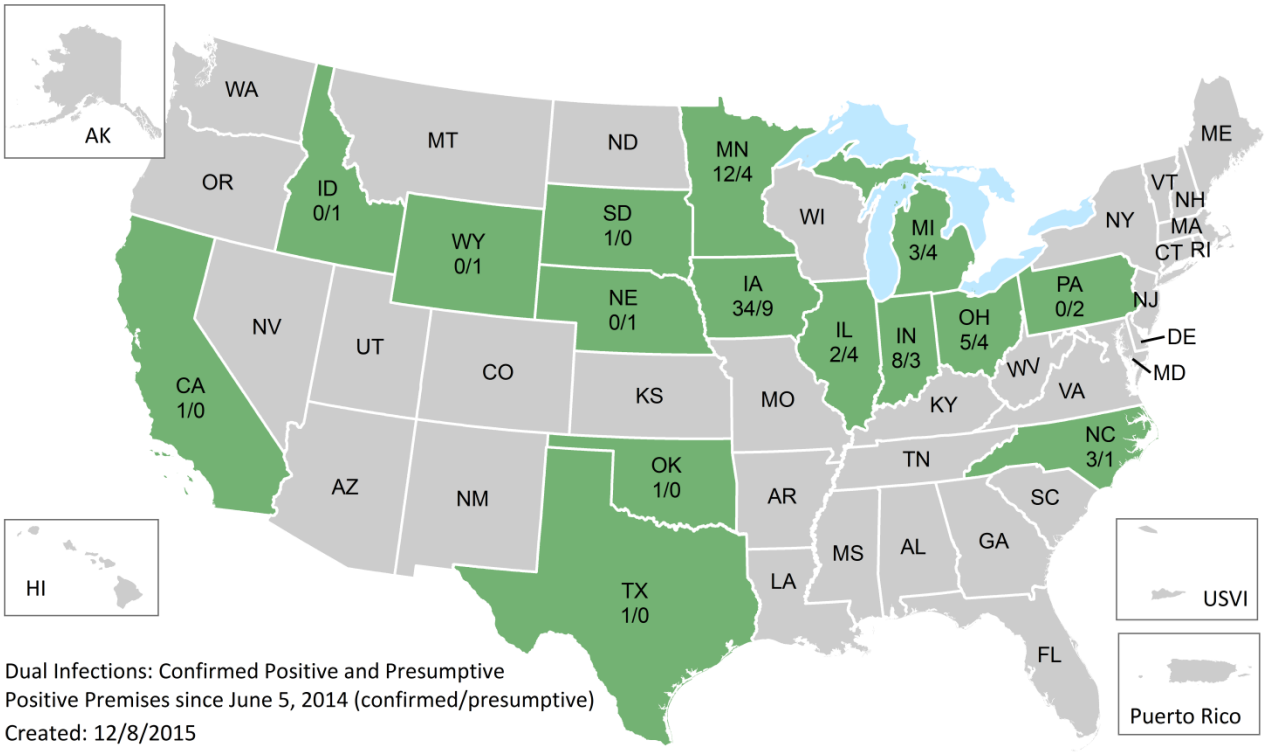


Table 2. Number of SECD Confirmed and Presumptive Positive Premises in Each Production Class, by Month[a] (includes PEDV, PDCoV, and Dual Infections) (confirmed/presumptive)

MONTH TESTED	NURSERY	WEAN TO FINISH	FARROW TO FINISH	FINISHER	SOW/BREEDING	UNKNOWN
Jun 2014	21 / 12	31 / 18	14 / 8	24 / 28	49 / 46	13 / 51
Jul 2014	25 / 12	39 / 8	6 / 5	22 / 17	35 / 13	13 / 29
Aug 2014	15 / 8	17 / 8	2 / 5	25 / 9	12 / 7	12 / 18
Sep 2014	17 / 5	21 / 7	2 / 3	31 / 9	30 / 6	6 / 12
Oct 2014	5 / 4	30 / 7	4 / 0	38 / 16	10 / 3	5 / 7
Nov 2014	7 / 1	20 / 3	4 / 0	48 / 7	14 / 10	14 / 7
Dec 2014	20 / 1	46 / 2	12 / 4	65 / 9	23 / 4	9 / 5
Jan 2015	22 / 3	80 / 7	9 / 0	79 / 13	19 / 3	46 / 7
Feb 2015	22 / 3	73 / 3	8 / 0	71 / 7	21 / 1	57 / 5
Mar 2015	23 / 6	73 / 2	11 / 1	47 / 5	23 / 1	83 / 14
Apr 2015	30 / 3	35 / 2	9 / 1	36 / 11	13 / 1	31 / 6
May 2015	10 / 2	15 / 0	7 / 0	18 / 9	7 / 3	15 / 0
Jun 2015	2 / 3	6 / 1	3 / 0	10 / 6	3 / 3	9 / 5
Jul 2015	3 / 2	4 / 4	1 / 0	4 / 3	4 / 0	9 / 1
Aug 2015	3 / 1	1 / 1	1 / 0	4 / 5	2 / 0	6 / 1
Sep 2015	4 / 0	3 / 1	0 / 0	5 / 1	0 / 1	3 / 1
Oct 2015	2 / 2	4 / 0	2 / 1	9 / 1	4 / 0	26 / 3
Nov 2015	3 / 0	5 / 0	0 / 0	2 / 0	1 / 0	15 / 0
Dec 2015	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	1 / 0
TOTAL	**234 / 68**	**503 / 74**	**95 / 28**	**538 / 156**	**270 / 102**	**373 / 172**

[a]Month the sample was received at the laboratory for testing

Table 3. PEDV: Number of Confirmed and Presumptive Positive Premises by Week[a] (confirmed/presumptive)

WEEK[a]	TOTAL	AZ	CA	CO	GA	HI	IA	IL	IN	KS	KY	MD	MI	MN	MO	MT	NC	NE	NM	NV	NY	OH	OK	PA	PR	SC	SD	TN	TX	UT	VA	WI	WV	WY
6/1/14	25 / 22						9 / 4	0 / 3	0 / 2				5 / 2	1 / 2	3 / 5		3 / 2	1 / 1				0 / 1	1 / 0	2 / 0										
6/8/14	43 / 45						12 / 6	2 / 8	1 / 2	2 / 0			1 / 1	4 / 6	2 / 7		7 / 3	1 / 9				1 / 0	5 / 2	1 / 0			2 / 1		2 / 0					
6/15/14	39 / 32						9 / 5	9 / 5	2 / 2	1 / 0	1 / 0		2 / 0	4 / 6	1 / 5	0 / 1	4 / 3	1 / 0				2 / 5	1 / 0				2 / 0							
6/22/14	25 / 35						6 / 13	2 / 4	2 / 0	4 / 0			1 / 0	6 / 5	0 / 3		0 / 1	1 / 6				0 / 1					2 / 2		1 / 0					
6/29/14	30 / 15			0 / 1			9 / 2	3 / 2	3 / 1		1 / 0			4 / 5	1 / 1		4 / 1	1 / 1				2 / 1	2 / 0											
7/6/14	31 / 18			1 / 0			11 / 3	5 / 2	2 / 0		2 / 0			3 / 6	0 / 2		2 / 2	0 / 1				1 / 0	1 / 0				1 / 1							2 / 1
7/13/14	22 / 14						6 / 2	3 / 1	0 / 1				1 / 1	2 / 2	0 / 1		3 / 0	4 / 0				1 / 4	2 / 0				0 / 1							0 / 1
7/20/14	22 / 18						7 / 5	1 / 0	0 / 2				1 / 0	2 / 1	2 / 1		2 / 2	1 / 1				3 / 2	1 / 1				0 / 3		1 / 0					1 / 0
7/27/14	36 / 10	1 / 0		2 / 0			14 / 3	7 / 0	2 / 0					1 / 3	3 / 0		2 / 3	1 / 0			1 / 0			0 / 1					1 / 0					1 / 0
8/3/14	22 / 12			1 / 0			9 / 1	1 / 1	2 / 1	1 / 0	1 / 1		2 / 2	0 / 2	1 / 1		0 / 1	1 / 2			1 / 0		1 / 0											1 / 0
8/10/14	17 / 15						5 / 4	1 / 1	1 / 2					3 / 4	0 / 1		3 / 1	2 / 1									0 / 1		2 / 0					
8/17/14	17 / 13						6 / 6		1 / 2					4 / 1	3 / 1		1 / 1	1 / 0				0 / 1						0 / 1	1 / 0					
8/24/14	11 / 9						2 / 1		0 / 1	1 / 0	0 / 1		1 / 0	2 / 2	2 / 0		3 / 2					0 / 1						0 / 1						
8/31/14	19 / 10						7 / 1	1 / 2					1 / 0	2 / 2	1 / 1		3 / 2	1 / 2					1 / 0							2 / 0				
9/7/14	35 / 12						10 / 0		0 / 1					4 / 5	0 / 2		4 / 1	2 / 1				0 / 1	1 / 1							14 / 0				
9/14/14	26 / 5						11 / 0	0 / 1	1 / 2					0 / 1	2 / 0		4 / 0						1 / 0				3 / 1			4 / 0				
9/21/14	19 / 11		1 / 0				9 / 1	0 / 4	0 / 1	0 / 1				1 / 0	3 / 0	0 / 1	1 / 1	3 / 0					1 / 2											
9/28/14	18 / 4						11 / 2	2 / 0	1 / 0					1 / 0			1 / 0	0 / 1					2 / 0				0 / 1							
10/5/14	13 / 7						5 / 1	0 / 2	3 / 0		1 / 0			0 / 1			3 / 2	1 / 0					0 / 1											
10/12/14	20 / 9						9 / 2	1 / 0	1 / 1				1 / 1	1 / 1	3 / 1		1 / 1	0 / 1		1 / 0		0 / 1	2 / 0											
10/19/14	17 / 9						7 / 4		1 / 0	4 / 0				3 / 0	0 / 1		0 / 4	1 / 0											1 / 0					
10/26/14	24 / 9						10 / 3	0 / 1	3 / 1	6 / 1				2 / 2	0 / 1								2 / 0				1 / 0							
11/2/14	21 / 7						6 / 0	0 / 1		3 / 4				1 / 2	1 / 0		1 / 0						1 / 0						7 / 0			1 / 0		
11/9/14	31 / 11						9 / 4	4 / 2		9 / 0			0 / 1	2 / 2	1 / 0			1 / 1				0 / 1	3 / 0						2 / 0					
11/16/14	31 / 1					1 / 0	5 / 0		1 / 0	8 / 0				1 / 0	1 / 0		2 / 1	2 / 0					7 / 0						3 / 0					
11/23/14	16 / 4						9 / 0	1 / 0		3 / 0	0 / 1			0 / 1			0 / 2	1 / 0					2 / 0											
11/30/14	43 / 3						15 / 0	0 / 1	2 / 0	10 / 1			1 / 0	2 / 1			7 / 0	1 / 0					4 / 0						1 / 0					
12/7/14	41 / 12					0 / 3	15 / 3	3 / 2	2 / 0	3 / 0				3 / 3	4 / 0		3 / 0	0 / 1				3 / 0	3 / 0							2 / 0				
12/14/14	42 / 7						19 / 2	2 / 1	0 / 1	5 / 1			0 / 1	2 / 1	4 / 0		1 / 0					1 / 0	2 / 0	2 / 0					1 / 0	2 / 0		1 / 0		
12/21/14	19 / 0						8 / 0	1 / 0		1 / 0				1 / 0			2 / 0					2 / 0	3 / 0							1 / 0				
12/28/14	24 / 2						19 / 1				1 / 0		0 / 1	1 / 0			1 / 0	1 / 0					1 / 0											
1/4/15	51 / 10						29 / 2	2 / 0	1 / 1				0 / 1	5 / 0	3 / 0		2 / 3	0 / 1				0 / 1	5 / 1	1 / 0					3 / 0					

Table 3. PEDV: Number of Confirmed and Presumptive Positive Premises by Week[a] (confirmed/presumptive)

WEEK[a]	TOTAL	AZ	CA	CO	GA	HI	IA	IL	IN	KS	KY	MD	MI	MN	MO	MT	NC	NE	NM	NV	NY	OH	OK	PA	PR	SC	SD	TN	TX	UT	VA	WI	WV	WY
1/11/15	59 / 6						36 / 2	1 / 0	0 / 2	1 / 0				9 / 0	1 / 0		3 / 2	1 / 0					1 / 0	1 / 0					3 / 0	1 / 0	1 / 0			
1/18/15	61 / 9						33 / 3	2 / 2	3 / 0					5 / 1	2 / 1		9 / 2					3 / 0	1 / 0	2 / 0					1 / 0					
1/25/15	54 / 4						26 / 2	3 / 0	3 / 0				1 / 0	2 / 0	1 / 0		10 / 2					2 / 0	2 / 0	1 / 0					3 / 0					
2/1/15	50 / 6						24 / 2		2 / 0				1 / 0	6 / 0	3 / 0		9 / 2	1 / 1				1 / 0	1 / 0			0 / 1	1 / 0			1 / 0				
2/8/15	40 / 1						19 / 0	1 / 0	2 / 0					1 / 0	4 / 0		9 / 1							2 / 0					2 / 0					
2/15/15	72 / 3						31 / 1	2 / 0	4 / 0	1 / 0				4 / 1	6 / 1		14 / 0					2 / 0	3 / 0	3 / 0					1 / 0			1 / 0		
2/22/15	63 / 6				1 / 0		24 / 2	3 / 0	1 / 1				1 / 1	1 / 0	8 / 0		21 / 2				1 / 0			1 / 0						1 / 0				
3/1/15	61 / 11				5 / 0		24 / 0		3 / 3				1 / 0	1 / 1	4 / 4		19 / 3					1 / 0	1 / 0	1 / 0								1 / 0		
3/8/15	69 / 5						31 / 1	3 / 0	4 / 0	5 / 0			1 / 1	4 / 1	2 / 0		11 / 2	3 / 0				2 / 0					1 / 0			2 / 0				
3/15/15	61 / 3						20 / 1	5 / 0	4 / 1					3 / 0	2 / 0		22 / 1	1 / 0	1 / 0					1 / 0					1 / 0		1 / 0			
3/22/15	40 / 3				1 / 0		16 / 0		2 / 0	2 / 0				2 / 1	1 / 1		12 / 0					0 / 1		1 / 0			2 / 0		1 / 0					
3/29/15	41 / 5						22 / 0	2 / 0	1 / 1					5 / 0			10 / 3					1 / 1												
4/5/15	42 / 5						14 / 0	2 / 0	1 / 0	1 / 0				1 / 1	5 / 0		11 / 2	3 / 2				3 / 0							1 / 0					
4/12/15	32 / 6						12 / 3	1 / 0		2 / 0		1 / 0		2 / 0	4 / 0		8 / 2	1 / 0				1 / 1												
4/19/15	26 / 8						9 / 5		3 / 0	1 / 0				8 / 1			2 / 1	0 / 1												1 / 0	2 / 0			
4/26/15	20 / 4						7 / 2		1 / 0	2 / 0				5 / 1			3 / 0	0 / 1					1 / 0	1 / 0										
5/3/15	24 / 3						9 / 1	1 / 0						5 / 0	1 / 0		5 / 0	1 / 0				0 / 2	1 / 0							1 / 0				
5/10/15	16 / 1						5 / 1							3 / 0	2 / 0		2 / 0					1 / 0								3 / 0				
5/17/15	11 / 2						1 / 2	1 / 0						2 / 0	2 / 0		5 / 0																	
5/24/15	8 / 3						3 / 2			1 / 0				3 / 0				0 / 1									1 / 0							
5/31/15	6 / 5						3 / 4							1 / 0	0 / 1		2 / 0																	
6/7/15	10 / 4						4 / 1							2 / 1			2 / 2								2 / 0									
6/14/15	2 / 4						1 / 0							0 / 1	1 / 1		0 / 2																	
6/21/15	9 / 4						4 / 2	1 / 0						1 / 1	1 / 0		1 / 1	1 / 0																
6/28/15	9 / 5						3 / 4							0 / 1	1 / 0		4 / 0													1 / 0				
7/5/15	8 / 2						4 / 0							1 / 1			2 / 0						1 / 1											
7/12/15	4 / 1						1 / 0							0 / 1			2 / 0													1 / 0				
7/19/15	3 / 1								1 / 1					1 / 0																1 / 0				
7/26/15	3 / 1						1 / 0										1 / 0	0 / 1												1 / 0				
8/2/15	3 / 1						2 / 0										1 / 1																	
8/9/15	3 / 1													0 / 1	1 / 0		2 / 0																	
8/16/15	2 / 1							1 / 0															1 / 1											

Table 3. PEDV: Number of Confirmed and Presumptive Positive Premises by Week[a] (confirmed/presumptive)

WEEK[a]	TOTAL	AZ	CA	CO	GA	HI	IA	IL	IN	KS	KY	MD	MI	MN	MO	MT	NC	NE	NM	NV	NY	OH	OK	PA	PR	SC	SD	TN	TX	UT	VA	WI	WV	WY
8/23/15	9 / 3						4 / 1			0 / 1				1 / 1			3 / 0	1 / 0																
8/30/15	4 / 1						1 / 1							2 / 0	1 / 0																			
9/6/15	1 / 0						1 / 0																											
9/13/15	1 / 0						1 / 0																											
9/20/15	4 / 0						1 / 0			1 / 0				1 / 0										1 / 0										
9/27/15	10 / 2						1 / 2										9 / 0																	
10/4/15	11 / 0						3 / 0										6 / 0													2 / 0				
10/11/15	6 / 1													1 / 1			4 / 0																1 / 0	
10/18/15	12 / 2						1 / 0			2 / 0				3 / 1			4 / 1							1 / 0						1 / 0				
10/25/15	10 / 3						1 / 0							0 / 1			7 / 2					1 / 0					1 / 0							
11/1/15	10 / 0						2 / 0							2 / 0			5 / 0						1 / 0											
11/8/15	10 / 0						3 / 0			1 / 0							6 / 0																	
11/15/15	5 / 0						1 / 0										2 / 0	1 / 0					1 / 0											
11/29/15	2 / 0																2 / 0																	
TOTAL	**1,857 / 527**	**1 / 0**	**1 / 0**	**4 / 1**	**7 / 0**	**1 / 3**	**727 / 126**	**80 / 46**	**67 / 33**	**81 / 9**	**7 / 3**	**1 / 0**	**22 / 13**	**156 / 86**	**94 / 43**	**0 / 2**	**320 / 73**	**43 / 37**	**1 / 0**	**1 / 0**	**3 / 0**	**34 / 25**	**70 / 10**	**22 / 1**	**2 / 0**	**0 / 1**	**17 / 11**	**0 / 2**	**39 / 0**	**42 / 0**	**4 / 0**	**4 / 0**	**1 / 0**	**5 / 2**

Table 4. PDCoV: Number of Confirmed and Presumptive Positive Premises by Week[a] (confirmed/presumptive)

WEEK [a]	TOTAL	CO	IA	IL	IN	KS	KY	MI	MN	MT	NC	NE	OH	PA	SD	TX
06/01/14	2 / 3			0 / 1					1 / 1	0 / 1		1 / 0				
06/08/14	1 / 2												0 / 2	1 / 0		
06/15/14	4 / 3		2 / 0	0 / 1									1 / 2	1 / 0		
06/22/14	2 / 3		1 / 1										0 / 2	1 / 0		
06/29/14	1 / 0													1 / 0		
07/06/14	3 / 3		3 / 2	0 / 1												
07/13/14	2 / 4	0 / 1	1 / 0	1 / 0									0 / 3			
07/27/14	1 / 1								1 / 0				0 / 1			
08/03/14	1 / 2								1 / 0			0 / 2				
08/17/14	1 / 0		1 / 0													
08/31/14	0 / 1											0 / 1				
09/21/14	1 / 1		1 / 0					0 / 1								
10/12/14	1 / 1			1 / 0	0 / 1											
10/19/14	2 / 0			1 / 0					1 / 0							
10/26/14	1 / 0				1 / 0											
11/02/14	1 / 0		1 / 0													
11/09/14	6 / 2		2 / 0	3 / 1	1 / 0						0 / 1					
11/30/14	1 / 1		1 / 1													
12/07/14	2 / 0		2 / 0													
12/14/14	4 / 0		3 / 0		1 / 0											
12/21/14	1 / 0			1 / 0												
12/28/14	1 / 0		1 / 0													
01/04/15	5 / 0		2 / 0				1 / 0		1 / 0				1 / 0			
01/11/15	2 / 1		1 / 0		0 / 1				1 / 0							
01/18/15	2 / 2		0 / 1						1 / 1		1 / 0					
01/25/15	2 / 0		2 / 0													
02/01/15	2 / 0					1 / 0									1 / 0	
02/08/15	4 / 0		2 / 0										1 / 0			1 / 0
02/15/15	5 / 0		1 / 0		1 / 0						1 / 0		1 / 0		1 / 0	
02/22/15	2 / 0			1 / 0									1 / 0			
03/01/15	3 / 0			1 / 0				1 / 0	1 / 0							
03/08/15	4 / 0		1 / 0	1 / 0					1 / 0		1 / 0					
03/15/15	2 / 1		1 / 0	1 / 0					0 / 1							
03/22/15	2 / 1		2 / 0						0 / 1							
04/05/15	1 / 0								1 / 0							
04/12/15	1 / 1		1 / 0	0 / 1												
04/19/15	1 / 0		1 / 0													
04/26/15	1 / 0			1 / 0												
05/03/15	2 / 0			2 / 0												
05/10/15	0 / 1		0 / 1													
05/24/15	1 / 1		1 / 1													
05/31/15	1 / 0				1 / 0											
07/05/15	1 / 1		0 / 1	1 / 0												
08/16/15	0 / 1		0 / 1													
09/20/15	0 / 2		0 / 2													
10/04/15	2 / 0										2 / 0					

Table 4. PDCoV: Number of Confirmed and Presumptive Positive Premises by Week[a] (confirmed/presumptive)

WEEK [a]	TOTAL	CO	IA	IL	IN	KS	KY	MI	MN	MT	NC	NE	OH	PA	SD	TX
TOTAL	**85 / 39**	**0 / 1**	**34 / 11**	**15 / 5**	**5 / 2**	**1 / 0**	**1 / 0**	**1 / 1**	**10 / 4**	**0 / 1**	**5 / 1**	**1 / 3**	**5 / 10**	**4 / 0**	**2 / 0**	**1 / 0**

Table 5. Dual Infection: No. of Confirmed and Presumptive Positive Premises by Week[a] (confirmed/presumptive)

WEEK[a]	TOTAL	CA	ID	IL	IN	IA	MI	MN	NE	NC	OH	OK	PA	SD	TX	WY
06/01/14	1 / 1							0 / 1			1 / 0					
06/08/14	2 / 7			0 / 1	1 / 1	0 / 1	0 / 1	1 / 1	0 / 1	0 / 1						
06/15/14	1 / 3			0 / 1	1 / 0	0 / 1		0 / 1								
06/22/14	3 / 6		0 / 1	0 / 1	0 / 1			2 / 1			1 / 1		0 / 1			
06/29/14	1 / 1					1 / 1										
07/06/14	4 / 3	1 / 0				1 / 1	1 / 0	1 / 0					0 / 1			0 / 1
07/13/14	0 / 1				0 / 1											
07/20/14	1 / 0					1 / 0										
07/27/14	1 / 0							1 / 0								
08/10/14	1 / 0							1 / 0								
08/17/14	1 / 0						1 / 0									
08/24/14	0 / 1										0 / 1					
09/14/14	1 / 0					1 / 0										
09/28/14	1 / 0				1 / 0											
10/05/14	0 / 1						0 / 1									
10/12/14	1 / 0										1 / 0					
10/19/14	1 / 0										1 / 0					
11/02/14	1 / 1			0 / 1								1 / 0				
11/16/14	0 / 1										0 / 1					
12/07/14	2 / 0					1 / 0		1 / 0								
12/14/14	1 / 0			1 / 0												
12/28/14	1 / 0					1 / 0										
01/04/15	3 / 0				1 / 0	1 / 0	1 / 0									
01/11/15	2 / 1					2 / 1										
01/18/15	5 / 0				1 / 0	2 / 0		1 / 0		1 / 0						
01/25/15	2 / 0					2 / 0										
02/01/15	6 / 1				2 / 0	2 / 1		1 / 0		1 / 0						
02/08/15	4 / 1					3 / 0	0 / 1			1 / 0						
02/15/15	3 / 0					1 / 0					1 / 0				1 / 0	
02/22/15	1 / 1					1 / 1										
03/01/15	2 / 0					1 / 0		1 / 0								
03/08/15	0 / 1						0 / 1									
03/22/15	1 / 0					1 / 0										
03/29/15	1 / 1					1 / 1										
04/12/15	2 / 0				1 / 0	1 / 0										
04/19/15	4 / 1					3 / 0		1 / 0			0 / 1					
04/26/15	4 / 0					3 / 0		1 / 0								
05/10/15	3 / 0			1 / 0		2 / 0										
06/28/15	1 / 0					1 / 0										
07/19/15	1 / 0													1 / 0		

Table 5. Dual Infection: No. of Confirmed and Presumptive Positive Premises by Week[a] (confirmed/presumptive)

WEEK[a]	TOTAL	CA	ID	IL	IN	IA	MI	MN	NE	NC	OH	OK	PA	SD	TX	WY
08/09/15	0 / 1					0 / 1										
08/30/15	1 / 0					1 / 0										
TOTAL	**71 / 34**	**1 / 0**	**0 / 1**	**2 / 4**	**8 / 3**	**34 / 9**	**3 / 4**	**12 / 4**	**0 / 1**	**3 / 1**	**5 / 4**	**1 / 0**	**0 / 2**	**1 / 0**	**1 / 0**	**0 / 1**

SECD Laboratory Testing

Table 6. Biological Laboratory Accessions This Week and Cumulative since June 5, 2014

NEW THIS WEEK (NOV 29 –DEC 5, 2015)	PEDV	PDCOV
Positive Accessions	103	17
Accessions Tested	730	455
Percent Positive	14.1%	3.7%
No. of NAHLN Labs Reporting	9	
CUMULATIVE SINCE JUNE 5, 2014	**PEDV**	**PDCOV**
Positive Accessions	6,170	569
Accessions Tested	53,244	29,267
Percent Positive	11.6%	1.9%

Table 7. Biological Accessions Tested and Number Positive by Month

	PEDV			PDCOV[b]		
MONTH[c, d]	TESTED[a]	POSITIVE	% POS	TESTED	POSITIVE	% POS
Before the Federal Order (FO)						
Apr 2013	-	3	-	-	-	-
May 2013	-	112	-	-	-	-
Jun 2013	-	187	-	-	-	-
Jul 2013	-	113	-	-	-	-
Aug 2013	-	138	-	-	-	-
Sep 2013	-	134	-	-	-	-
Oct 2013	-	267	-	-	-	-
Nov 2013	1,064	414	38.9%	-	-	-
Dec 2013	2,294	630	27.5%	-	-	-
Jan 2014	2,774	953	34.4%	-	-	-
Feb 2014	3,650	1,228	33.6%	-	-	-
Mar 2014[c]	3,601	1,123	31.2%	45	7	15.6%
Apr 2014	3,775	1,053	27.9%	947	124	13.1%
May 2014	3,590	757	21.1%	1,042	112	10.7%
Jun 2014 (through 6/4/14)	489	84	17.2%	140	15	10.7%

Table 7. Biological Accessions Tested and Number Positive by Month

MONTH[c, d]	PEDV TESTED[a]	PEDV POSITIVE	PEDV % POS	PDCOV[b] TESTED	PDCOV[b] POSITIVE	PDCOV[b] % POS
Total Before FO	**21,128**	**6,976**	**33.0%**	**2,172**	**260**	**12.0%**
After the Federal Order (starting 6/5/2014)						
Jun 2014	2,772	408	14.7%	829	84	10.1%
Jul 2014	3,555	409	11.5%	1,196	45	3.8%
Aug 2014	3,095	311	10.0%	1,193	18	1.5%
Sep 2014	3,144	261	8.3%	1,339	10	0.7%
Oct 2014	3,306	300	9.1%	1,900	19	1.0%
Nov 2014	2,507	303	12.1%	1,555	30	1.9%
Dec 2014	3,238	446	13.8%	1,982	50	2.5%
Jan 2015	3,104	508	16.4%	1,875	46	2.5%
Feb 2015	2,986	462	15.5%	1,803	49	2.7%
Mar 2015	3,305	597	18.1%	1,899	58	3.1%
Apr 2015	3,029	451	14.9%	1,797	31	1.7%
May 2015	2,751	302	11.0%	1,642	28	1.7%
Jun 2015	2,813	232	8.2%	1,717	22	1.3%
Jul 2015	2,830	226	8.0%	1,767	13	0.7%
Aug 2015	2,462	154	6.3%	1,510	11	0.7%
Sep 2015	2,664	195	7.3%	1,642	12	0.7%
Oct 2015	2,672	262	9.8%	1,676	11	0.7%
Nov 2015	2,412	264	10.9%	1,572	15	1.0%
Dec 2015	631	83	13.2%	383	17	4.4%
Total After FO	53,276	6,174	11.6%	29,277	569	1.9%
Grand Total	**74,404**	**13,150**	**17.7%**	**31,449**	**829**	**2.6%**

[a]From April through October 2013, number of cases tested was not reported and calculation of 'Percent Positive' was not possible.

[b]NAHLN laboratories started sharing PDCoV testing results with VS on March 23, 2014.

[c]Pre-FO data: month refers to the month the sample was tested; after the FO, month refers to the month the laboratory received the sample for testing.

[d]Samples in individual laboratory accession may be tested in subsequent months (e.g., start and end of the month), causing an individual accession to be counted in 2 months.

Figure 3. PEDV: Biological Accessions Tested and Number Positive by Week[a]

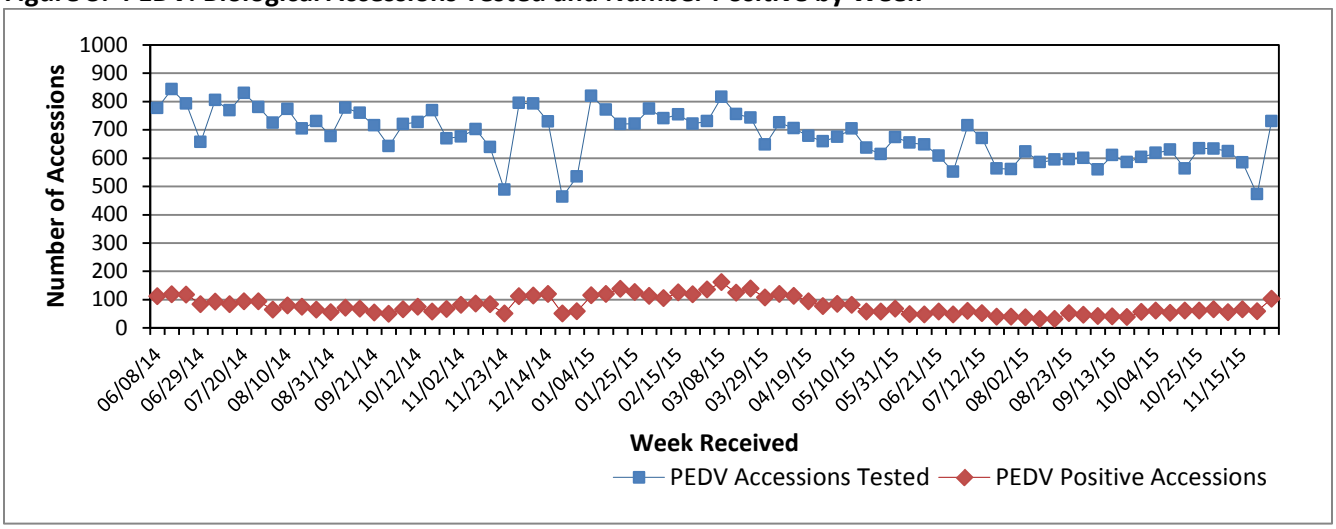
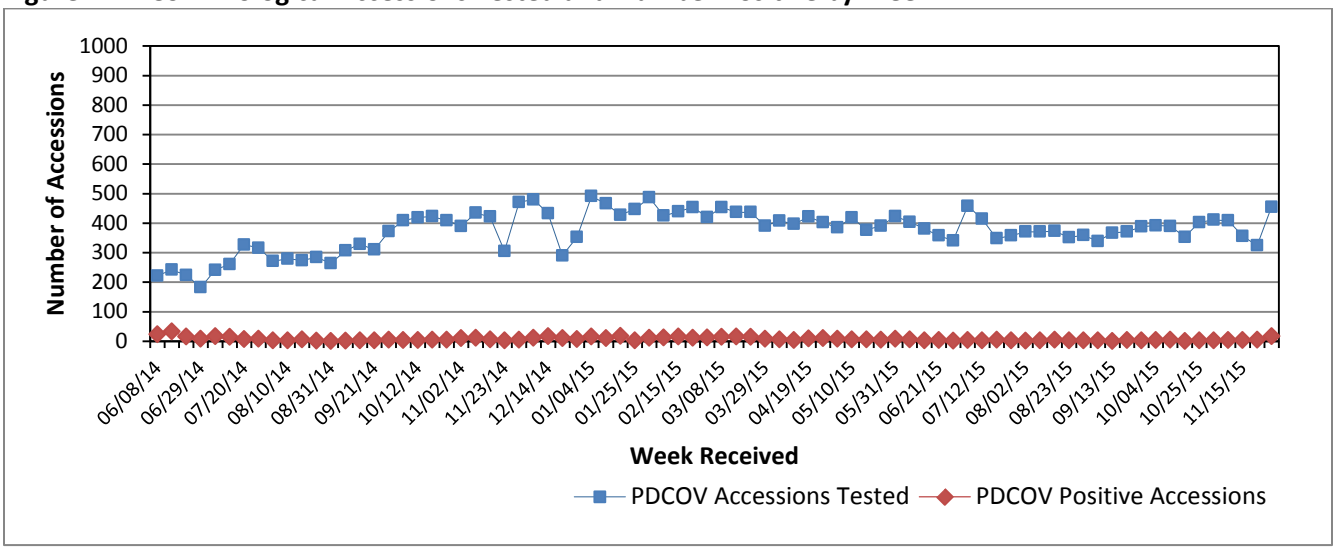


Figure 4. PDCoV: Biological Accessions Tested and Number Positive by Week[a]



[a]Week the sample was received at the laboratory for testing

Table 8. PEDV Positive Laboratory Accessions by Week[a] and State[b]

WEEK	TOTAL POSITIVE ACCES-SIONS	AZ	CA	CO	GA	HI	IA	ID	IL	IN	KS	KY	MD	MI	MN	MO	MT	NC	ND	NE	NM	NV	NY	OH	OK	PA	PR	SC	SD	TN	TX	UT	VA	WI	WY	UNK
06/01/14	48						5		2	2				4	17	10		2						4	1						1					
06/08/14	112						29		14	3	1	1		3	18	9		10		10				1	5				4		3					1
06/15/14	120						20		15	5	1	1		7	35	11		9		4				3	1				4		2			1		1
06/22/14	118						21	1	21	6	3				18	11		7		10				8	4	1			6							1
06/29/14	84			1			22		14	2	1	2		1	13	6	1	7		4				5	3				1		1					
07/06/14	93	1		3			24		11	3		1		3	16	7		9		4					3				3		3				2	
07/13/14	83		1				11		11	2	1			4	15	9		5		6				6	5				3		1				2	1
07/20/14	94		1				18	2	11	3				4	15	4		8		2				7	5	1			6		4				3	
07/27/14	94	1		3			18		18	2				1	18	6		7		4			1	1	4	1			2		4				3	
08/03/14	64			2			11		8	3	1	2		5	8	5		5		4			1		2				3		2				2	
08/10/14	79		2	2			16		17	2					17	3		6		3				1	1				3		3			2	1	
08/17/14	75		2	1			14		10	3	1			4	16	7		6		3				1	2				1	1	1				2	
08/24/14	64		2				12		7	1	1	1		4	10	5		6						4	1	1			2	1	3				3	
08/31/14	55	1	1				8		11	2				2	8	5		3		1				2	2				2		3	2			2	
09/07/14	71	1	1				14	1	10	1	1			2	17	5		8		2				1	2						1	1			3	
09/14/14	68	1	2				18	1	6	2				1	7	8		7						1	1	1			6		2	3			1	
09/21/14	54	2	2				14		11	1	1			1	3	9	1	2		3					1				1		1				1	
09/28/14	50	1	1				14		5	4				2	7	4		3		1					3	1			2		1				1	
10/05/14	66	1	1	1			10		12	4		1		2	9	5		7	1	3				1	2				1		4				1	
10/12/14	74	1	1				20		6	3		1		3	11	8		2		1		1		2	3				5		2	2		1	1	
10/19/14	58	1	1				15		6	1	5				10	4		6		2				1					1		4				1	
10/26/14	67		1	2			14		10	4	8				4	3			2	1				2	3				4		4	3			2	
11/02/14	81		1				15		5	3	5	1		2	3	9		4							10						14	2		1	2	4
11/09/14	86						11		13	1	12			1	9	6		3		3				1	5				1		7	1			3	9
11/16/14	83		1	1		2	6	1	6		14			2	3	4	1	5		4				1	14						8	1			2	7
11/23/14	51						11		9		6			1	4	6		6		2					2											4
11/30/14	112		1	2			24		7	2	13			2	11	3		12		1				2	9				2		6	2			3	10
12/07/14	114		1	1		1	26		16	3	3	1		1	19	10		9		2			1	2	5						4	2			2	5
12/14/14	120	1	1	2		2	38	1	12	2	6			2	10	11		6		1				1	6	1			1		6	3		1	2	4
12/21/14	51		1	2			13		9	2	3				6	2		4		2		1		2								3				1
12/28/14	59		1	1			30		7		1	1			5	3		2		1					2				1		1	1				2

Table 8. PEDV Positive Laboratory Accessions by Week[a] and State[b]

WEEK	TOTAL POSITIVE ACCES-SIONS	AZ	CA	CO	GA	HI	IA	ID	IL	IN	KS	KY	MD	MI	MN	MO	MT	NC	ND	NE	NM	NV	NY	OH	OK	PA	PR	SC	SD	TN	TX	UT	VA	WI	WY	UNK
01/04/15	115	1	3	2			37	1	12	2	3			1	10	9		11		1				1	5	1			1		7	1			1	5
01/11/15	120		1	3			50	1	6	2	2	1		1	17	6		10		2				1	4	1					6	2	1		1	2
01/18/15	138		2	2			46	1	18	5	2	1			14	8		21						4	1	3			1		2	2			1	4
01/25/15	126		1	1			40	1	17	5	5			1	6	7		19		1				2	4	2					5				1	8
02/01/15	113		1				40		8	3	1			2	11	11		17		2				1	3			1	3		4	3			1	1
02/08/15	105		1	1			37		13	2	1	1		1	4	8		19		1					2	2			2		3				1	6
02/15/15	125	1					40	1	9	5	2				6	15		24						3	1	2					7	1		1	1	6
02/22/15	119				1		39		11	1	4			2	5	13		29		2	1		1		3	1			1		3	1				1
03/01/15	136				5		45		6	5	1			1	7	11		36		1				3	3	1			3		2	1		1		4
03/08/15	161	1					54		11	7	7			3	7	13		31		4				3	3				2		5	8				2
03/15/15	124						33	1	12	8				2	7	7		36		3	1				3	2			1		4		1		1	2
03/22/15	139				1		47		10	9	4			2	9	10		27		2				4	2				2		4	2				4
03/29/15	107		1				34		4	4		3		2	10	9		26						1	2						2	5		1		3
04/05/15	120				1		42	1	4	6	2			1	6	19		23		3				3	2	1			1		2	1				2
04/12/15	113						40		3	8	3		1	1	8	13		25		1				2	2				1		1	2				2
04/19/15	94						35		4	6	2				16	5		10						2	1	1						5	3	1	2	1
04/26/15	77						21		3	2	3			1	14	7		13		2				1	6							1			2	1
05/03/15	85						25	1	6	1	1				10	9		12		3				3	1	2					3	2			2	4
05/10/15	81		1				22	1	11						7	8		15						1	2	1			1		1	6			2	2
05/17/15	57	1					14		7	2				2	6	7		9							1				1		2	2			2	1
05/24/15	57	1	4				15	1	2	2	2			2	9	4		5		1									1		1	4	1		1	1
05/31/15	68	1					29		4		2			1	5	6		10		1						1					3	2			1	2
06/07/15	48	1					11	1	4	1	1			1	3	2		8							1		1		1		6	4		1	1	
06/14/15	47		2				14		2					5	3	5		6		1											5			1	1	2
06/21/15	58	1	1				14	2	3	1					7	6		2		2					1						8	6			2	2
06/28/15	47	1					16		1					1	3	5		8													6	3			3	
07/05/15	60	1					9		2					1	7	8		7		1					7				1		6	4			3	3
07/12/15	52	3					12		5	1					5	8		5							1						7	2			2	1
07/19/15	39	1					5		1	2	1				7	4		5		1									1		5	5			1	
07/26/15	39						13		3		1				3	5		5		1									1		5	1				1
08/02/15	37	1	1				8			1				1	2	7		6		1											4	4			1	

Table 8. PEDV Positive Laboratory Accessions by Week[a] and State[b]

WEEK	TOTAL POSITIVE ACCES-SIONS	AZ	CA	CO	GA	HI	IA	ID	IL	IN	KS	KY	MD	MI	MN	MO	MT	NC	ND	NE	NM	NV	NY	OH	OK	PA	PR	SC	SD	TN	TX	UT	VA	WI	WY	UNK
08/09/15	30						2	1		1	2				5	4		6		1											5	2			1	
08/16/15	32						2		6						2	4		7							2				1		5	2			1	
08/23/15	52	2		1			15		1	2	3			1	4	1		10		2											5	5				
08/30/15	46	3					14	1	3						5	6		7													2	3			1	1
09/06/15	42	4					8		1	1					6	4		6		1											3	6				2
09/13/15	41	4					8		2	1	1				1	2		7		1					4						3	5				2
09/20/15	38	2		1			3		2	2	1			1	5	2		2								1			1		7	6			2	
09/27/15	56	3					8		4	3					1	5		15											1		4	8			3	1
10/04/15	61	3					10		2	1					3	5		20							2				1		2	10			2	
10/11/15	53	1					4		2					1	7	2		20							2				1		2	5			3	3
10/18/15	61	5					11		3	3	3				8	7		12							1	1					2	2			3	
10/25/15	61	3					8		3	1	1				3	10		16						1	1				1		1	10			2	
11/01/15	65	2					13		4	3					4	4		20	1						3	1					2	6			2	
11/08/15	55						14		4	3	1	1			4	4		12							2							8		1	1	
11/15/15	65	2					19		1	2					4	5		16							3							9			1	3
11/22/15	59	1	1				16	1	2		1				13	5		15		1					1							1				1
11/29/15	103	2	1				14	1	6	2	2	1			9	6		37		1				1	4				1			11				4
TOTAL[c]	**6,175**	**64**	**47**	**35**	**8**	**5**	**1,578**	**24**	**568**	**188**	**153**	**21**	**1**	**102**	**680**	**529**	**3**	**884**	**4**	**128**	**2**	**2**	**4**	**97**	**193**	**31**	**1**	**1**	**97**	**2**	**258**	**205**	**6**	**13**	**101**	**140**

[a]Week the sample was received at the laboratory for testing; weeks are not listed if there were no positive accessions for that week.

[b]For SECD laboratory testing data, the State is the collection site State that was reported by the laboratory to USDA.

[c]Samples in an individual laboratory accession may be tested in subsequent weeks (at the start and end of the week), causing an individual accession to be counted in 2 weeks. For this reason, totals in Table 8 may be slightly higher than totals in Table 6.

Table 9. PDCoV Positive Laboratory Accessions by Week[a] and State[b]

WEEK TESTED	TOTAL POS. ACCS.	CA	CO	IA	ID	IL	IN	KS	KY	MI	MN	MO	MT	NC	NE	OH	OK	PA	SD	TX	WY	UNK
06/01/14	9					1					4		1			2						1
06/08/14	23			1		2	2			1	4	2		1	2	1		2	2			3
06/15/14	33			2		1	2				18	1				6		1				2
06/22/14	15			1			1				3					5		1	2			2
06/29/14	8			2						1	1			1				1				2
07/06/14	17			9		1	1			1	3					1		1				
07/13/14	14	1		2		1	2				1					5			1		1	
07/20/14	7	1		1	2	1	1				1											
07/27/14	8			1							3					2				2		
08/03/14	3											1			2							
08/10/14	3	1				1										1						
08/17/14	6			1			1			1		1			2							
08/24/14	1															1						
09/07/14	1				1																	
09/14/14	2			1			1															
09/21/14	3			1			1			1												
09/28/14	5			3			1				1											
10/05/14	4			1			1			1	1											
10/12/14	4			1			1				1					1						
10/19/14	5					3					1					1						
10/26/14	5					4	1															
11/02/14	10	1		1	1	2				1	2						1					1
11/09/14	11			1		5	2							1								2
11/16/14	6				2	1					2					1						
11/23/14	3					2					1											
11/30/14	5			2		2					1											
12/07/14	11			4		2					5											
12/14/14	17			5	1	6	2				1								1			1
12/21/14	10			2		6					2											
12/28/14	7			2		2				1	2											
01/04/15	15	1		3	1	3	1		2	2	1					1						
01/11/15	10			4	1	1	2				1											1
01/18/15	18			3	1	3	3			2	4			1			1					
01/25/15	3			1		1								1								
02/01/15	11			2			1	1			1			2			2		1			1
02/08/15	12			4		2				2				1		1						2
02/15/15	15			2	1	1	1	1		1				3		2	1		1	1		
02/22/15	11		3	2		2				1						1	1			1		
03/01/15	12			2		3				1	2			2			1		1			
03/08/15	14			1		4	3			2	1			3								
03/15/15	15			2		2	2			2	2	2					2			1		
03/22/15	14			3		1	1			2	2	2		2					1			
03/29/15	8	1		3										1			1		1			1

Table 9. PDCoV Positive Laboratory Accessions by Week[a] and State[b]

WEEK TESTED	TOTAL POS. ACCS.	CA	CO	IA	ID	IL	IN	KS	KY	MI	MN	MO	MT	NC	NE	OH	OK	PA	SD	TX	WY	UNK
04/05/15	6				1	1					2			1								1
04/12/15	4					1	1				1			1								
04/19/15	9		1	4		2					1					1						
04/26/15	10			4		3					2									1		
05/03/15	8				1	5	1			1												
05/10/15	6			2		3				1												
05/17/15	6			1		3				2												
05/24/15	5		1	1	1	2																
05/31/15	8		1	1		4	1				1											
06/07/15	6		1	1	1	2					1											
06/14/15	3	1		1			1															
06/21/15	4				2	1	1															
06/28/15	1			1																		
07/05/15	4			2		1					1											
07/12/15	2			1		1																
07/19/15	5					2				1	1								1			
07/26/15	2		1	1																		
08/02/15	1	1																				
08/09/15	3			1	1	1																
08/16/15	5			2		3																
08/23/15	2					1														1		
08/30/15	3			2		1																
09/06/15	3					2														1		
09/20/15	4		1	2						1												
09/27/15	2					1				1												
10/04/15	4									1				3								
10/11/15	5			2						1				1					1			
10/25/15	2			1						1												
11/01/15	2					1				1												
11/08/15	4			1		1		2														
11/15/15	4			1			2							1								
11/22/15	5			3	1										1							
11/29/15	17			4	1	4	1	1		1	2				3							
TOTAL[c]	**569**	**8**	**9**	**115**	**20**	**112**	**42**	**5**	**2**	**35**	**84**	**9**	**1**	**26**	**10**	**33**	**10**	**6**	**13**	**8**	**1**	**20**

[a]Week the sample was received at the laboratory for testing; weeks are not listed if there were no positive accessions for that week.

[b]For SECD laboratory testing data, the State is the collection site State that was reported by the laboratory to USDA.

[c]Samples in an individual laboratory accession may be tested in subsequent weeks (at the start and end of the week), causing an individual accession to be counted in two weeks. For this reason, totals in Table 9 may be slightly higher than totals in Table 6.

Notes About Data Used in This Report

- This report is posted on the USDA SECD Web site (www.aphis.usda.gov/animal-health/secd). This Web site also provides information on SECD laboratory testing prior to the Federal Order (April 2013 - June 2014), and information on SECD reporting, case definitions, herd plans, vaccines, and the Federal response.

- Dual infection indicates a premises that is positive for both PEDV and PDCoV.

- Premises statuses are assigned in accordance with the Novel Swine Enteric Coronavirus Disease Case Definition (available online at www.aphis.usda.gov/animal-health/secd). A confirmed positive premises is a premises where pigs tested positive and have clinical signs. A presumptive positive premises is a premises where pigs tested positive but have non-specific, unknown, or no clinical signs consistent with SECD. Please see the official SECD Case Definition for more information (www.aphis.usda.gov/animal-health/secd)

- Some positive premises may have a change in their type of positive status over time. For example, with the onset of clinical signs, a presumptive positive premises may be reclassified to a confirmed positive premises. Or PEDV positive premises may be re-classified to a dual infection status with the laboratory diagnosis of PDCoV. Therefore, the number of cumulative positive statuses will be slightly more than the sum of the number of current positive statuses and positive statuses reclassified as negative (see Table 1).

- Table 1 describes premises that are confirmed "this week;" this refers to premises that were investigated and determined to be presumptive or confirmed according to SECD case definition criteria during the current report week. Data presented in Tables 2-4 and Figures 1-2 provide epidemiologic trends, and data are presented based on the week the specimen was received by the testing laboratory.

- In general, a laboratory accession is a set of samples collected at a single premises on a single day and submitted to the laboratory. A single herd or premises may be tested multiple times, and the same herd or premises may be represented in a large number of laboratory accessions. Because a single premises may repeatedly be represented in subsequent lab accessions, fluctuations in the lab accession data in this report do not accurately depict epidemiologic trends. The numbers of confirmed or presumptive positive premises provided in the first section of this report are better epidemiologic indicators.

- Laboratory accession data in this report includes only PCR results from testing on biological samples; testing on environmental or feed samples is not included.

- In the laboratory accession section of this report, State is the Collection State reported by the testing laboratory to USDA; State of origin data provided by laboratories is not verified by USDA. However, USDA staff verifies the locations of premises associated with positive laboratory accessions and they are reported in the premises section of this report.

- NAHLN laboratories that have reported SECD testing data to the USDA APHIS VS since June 5, 2014, include: Arkansas Livestock & Poultry Commission Laboratory; University of Georgia, Athens; University of Illinois Veterinary Diagnostic Laboratory; Illinois Department of Agriculture, Galesburg Animal Disease Laboratory; Iowa State University Veterinary Diagnostic Laboratory; Kansas State Veterinary Diagnostic Laboratory; Michigan State University Diagnostic Center for Population and Animal Health; University of Minnesota Veterinary Diagnostic Laboratory; Missouri Department of Agriculture Veterinary Diagnostic Laboratory; University of Nebraska Veterinary Diagnostic Center; Rollins Diagnostic Laboratory, North Carolina Department of Agriculture; North Dakota State University Veterinary Diagnostic Laboratory; Ohio Animal Disease Diagnostic Laboratory – Ohio Department of Agriculture; Oregon State University Veterinary Diagnostic Laboratory; Indiana Animal Disease Diagnostic Laboratory at Purdue University; Animal Disease Research & Diagnostic Laboratory - South Dakota State University; and Texas Veterinary Medical Diagnostic Laboratory. Data in this report does not include testing data from private diagnostic laboratories or testing data for research projects.

- Data summaries provided in this report reflect the most current and complete data available at the time of report preparation; summaries in this report may differ from those provided in past reports.