

PED and PDCOV Situation Update

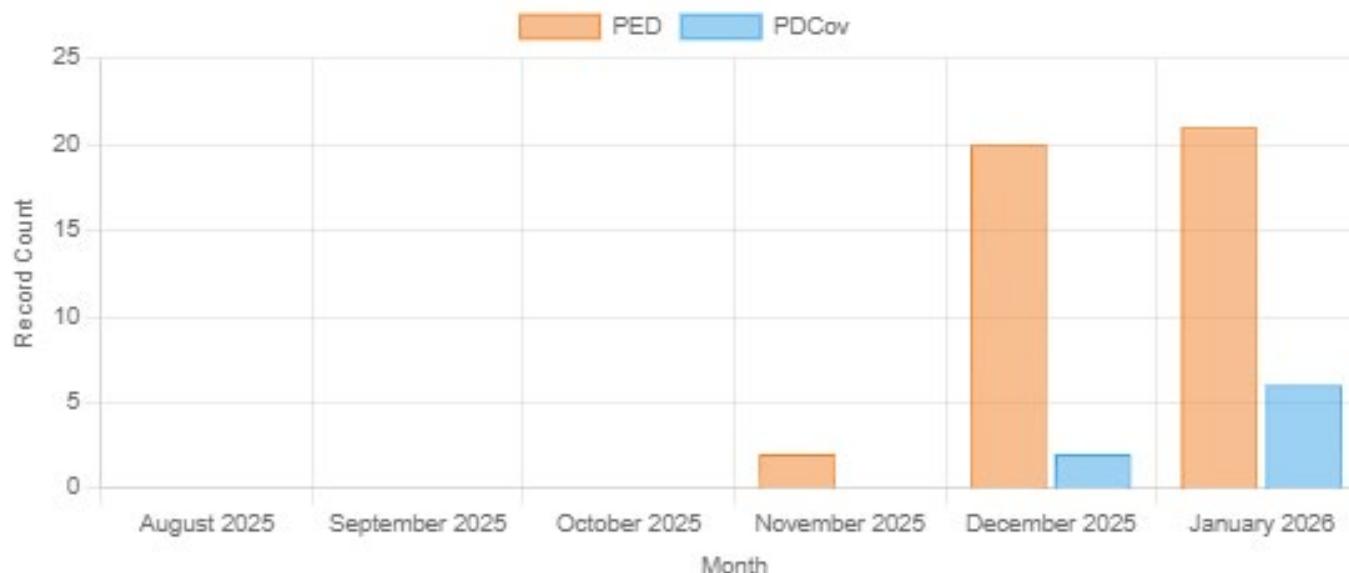
Dr. Conor Voth, Demeter VS
Jessica Fox, SHO

Current PED/PDCOV Situation

PED & PDCoV Cases (Last 6 Months)

Active Annual

Total Case Counts August 2025 - January 29, 2026



Most Likely Cause

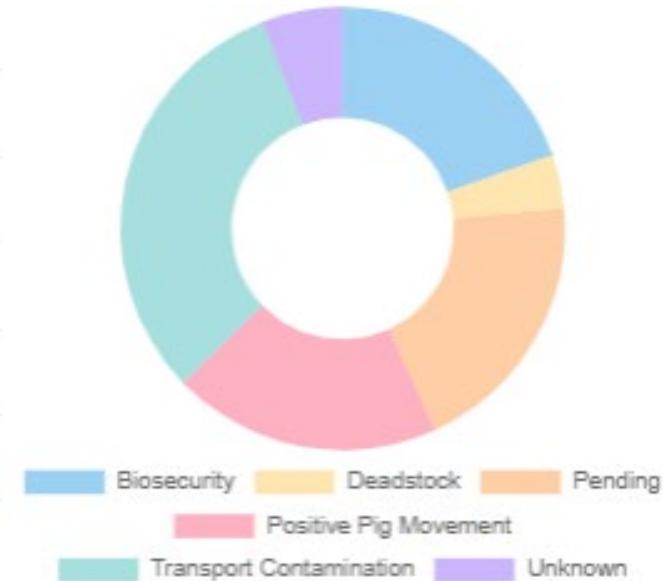


Chart Type: Bar Line

<https://www.swinehealthontario.ca/Disease-Information/PED-PDCoV-Tracking-Map>

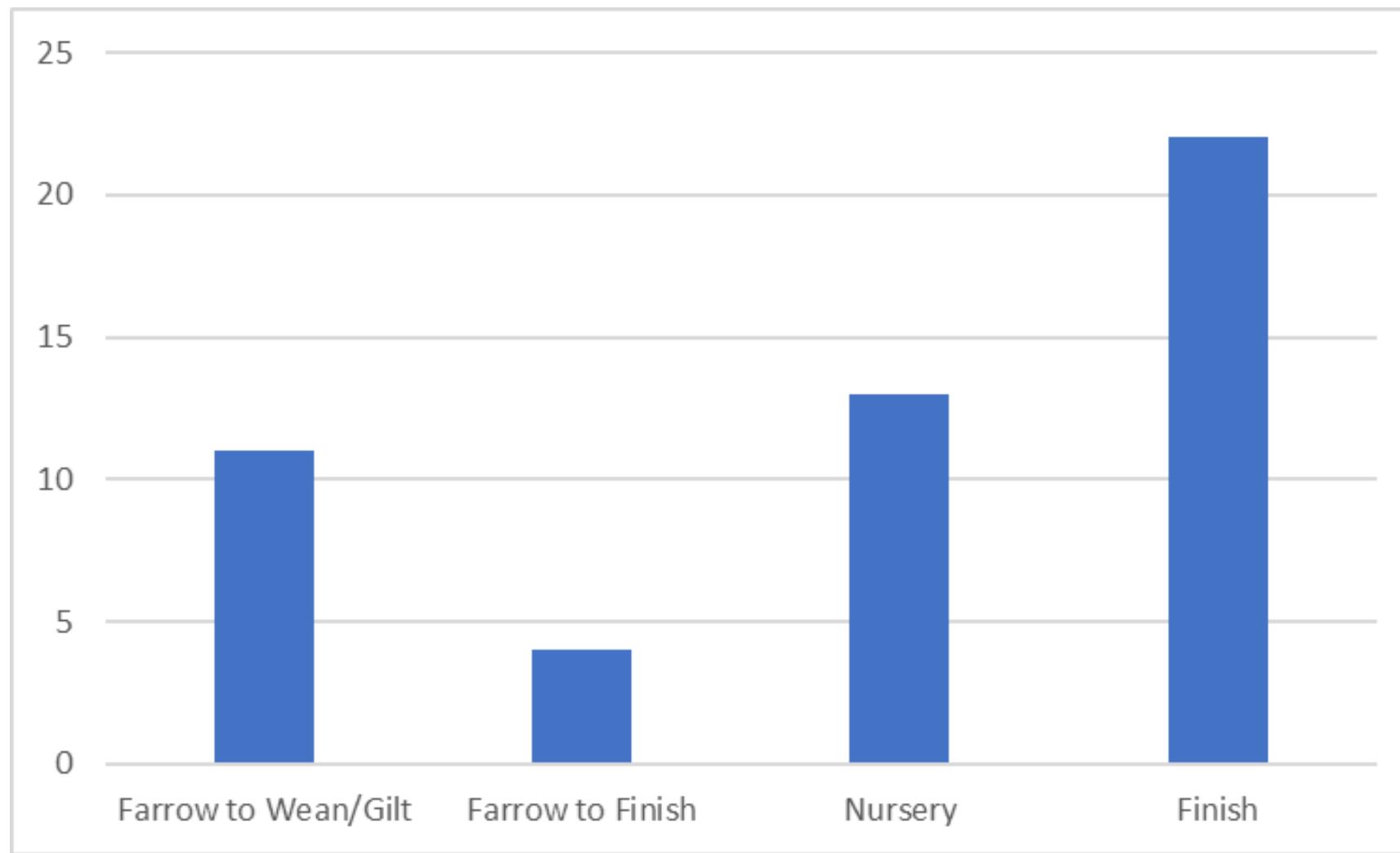
Current PED/PDCOV Situation

The early 2025 spike was relatively short lived through Jan/Feb (with another small spike in April/May), thanks to all efforts, and June-Oct 2025 was quiet

Since Nov 2025:

- PED: 41 cases (12 sow, 11 nursery, 18 finish; 10 N/F sites due to flow, rest new breaks)
- PDCOV: 8 cases (3 sow/gilt, 2 nursery, 3 finish; all new breaks)
- Ramped up the week before Christmas and through the holidays

PED/PDCOV by Site Type



Current PED/PDCOV Situation

- Of the cases that have a determined cause, most appear to be transport process related and improper biosecurity controls
 - Deadstock management has also been implicated
- Recent cold and snowy weather is not helping (harder to clean, more debris sticking to trailers/vehicles)
- While not all case causes are determined, direct US contamination doesn't appear to be a concern other than through the yards (which are positive regardless)
- Expectation is for cases to increase at least in the short term

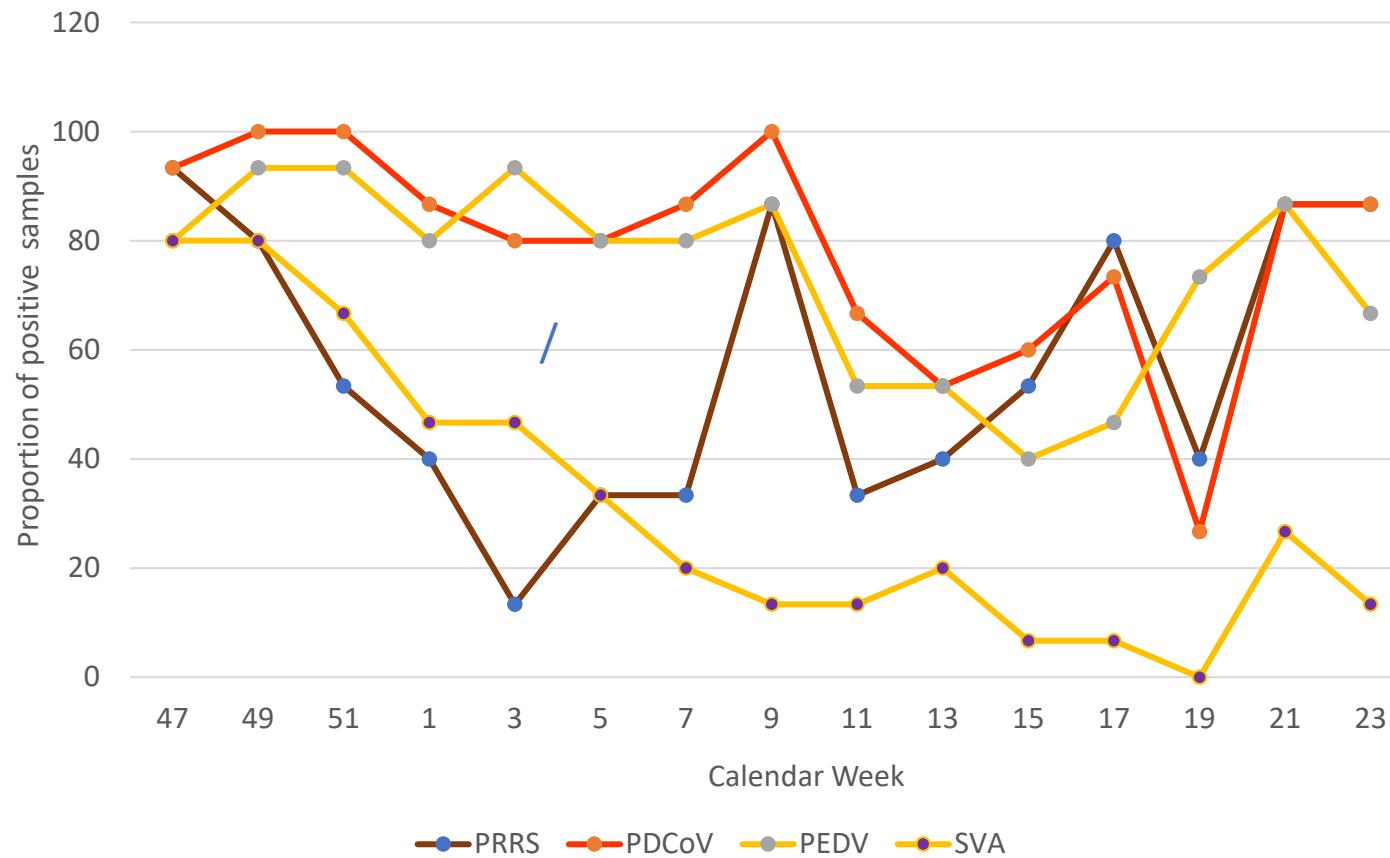
PED and PDCOV are highly contagious

Live PED Virus Recovery on Common Surfaces at Two Different Temperatures

Material	Room Temp	4°C
Nitrile Gloves	Less than 24h	10d
Cardboard	Less than 48h	10d
Disposable Coveralls	Less than 48h	15d
Cloth	Less than 48h	15d
Metal	Less than 48h	10d
Rubber	Less than 24h	6d
Plastic	Less than 24h	15d

PED/PDCOV
Live Longer in
the Cold

Proportion of Positive Dock Samples



- Minnesota study
- Higher rate of positivity at slaughter plant dock for multiple pathogens in the winter

Live PED Virus Survival in Feces and Slurry

Material	Temperature	Survival
Fresh Feces	40°C	14d
Fresh Feces	50°C	6d
Fresh Feces	60°C	3d
Slurry	-20°C	Over 28d
Slurry	4°C	Over 28d
Slurry	25°C	Over 28d
Recycled Water	25°C	14d

- PED in slurry lasted longer than duration of study
- Report in Manitoba of PED lasting in pit for 1.5 years
- Study in Oklahoma showing PED survived in lagoon for 60 weeks

H. Verma et al. 2014

PED/PDCOV – Costs to Producers

PED has been estimated to cost upwards of \$200/sow on a farrow to finish operation (University of Guelph, Ridgetown, 2024), due to increased costs in:

- Labour
- Cleaning and disinfection
- Downtime
- Feed
- Lost opportunity/mortality
- Veterinary care

What is Being Done?

SHO, OPIC, Ontario Pork and the veterinary clinics continue to communicate with the following partners, refreshing on how to reduce spread

- Producers
- Transporters
- Assemblies
- Processors
- Feed Mills
- Deadstock

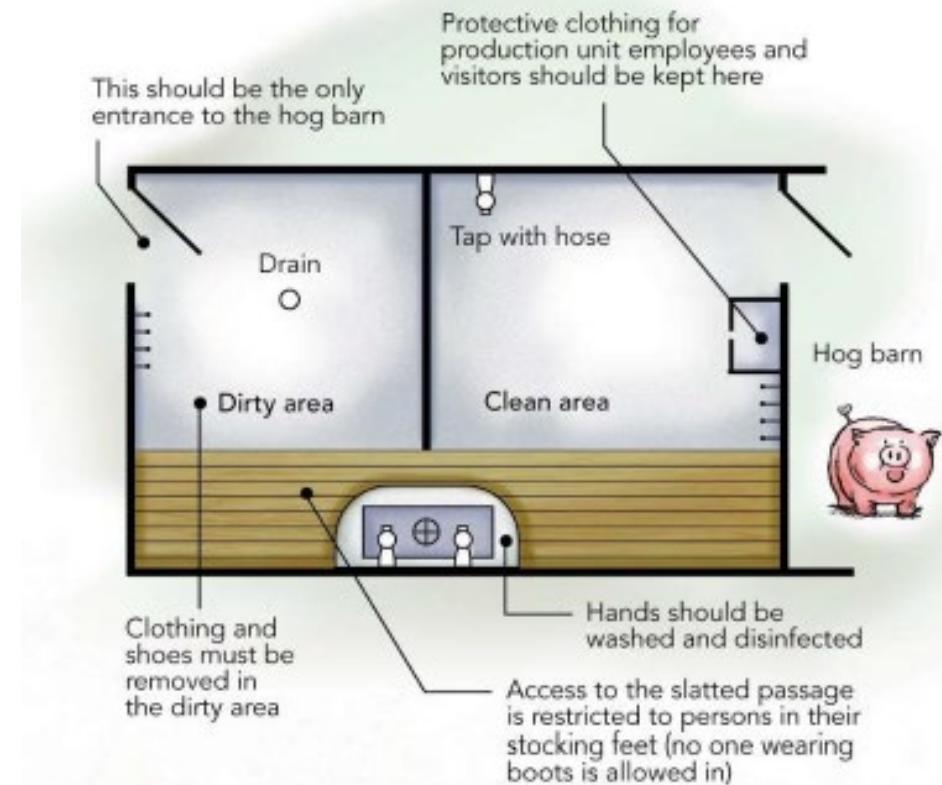
We need everyone's help (especially producers and their staff) to eliminate PED/PDCOV in Ontario

What Can I Do? – Producers

It's all about Risk Reduction – Be Realistic

- Limit access to the farm (only essential people and limit staff movement between barns)
- Have dedicated footwear and clothing for staff and visitors
- Showers/Danish entry
- Ensure rodents/wildlife cannot access barn
- Consider manure spreading

Danish hog barn entryway



What Can I Do? – Producers

Go for the low hanging fruit

- Talk to your transporters/suppliers
- Wash and disinfect your docks/entrances
- Require washed and disinfected trailers
- Ensure drivers can effectively change footwear/coveralls/PPEs without having to go into the barn
 - Use a transfer chute/extension
 - Consider dedicated transport



What Can I Do? – Producers

Assume everywhere outside of the barn is contaminated (including your own yard) and control at the barn door

- If deadstock is picked up, design flow so traffic paths don't cross
- Notify your vet as soon as any symptoms are noted



What Can I Do? – Producers

If you have a break

- Inform all your partners (feed, deadstock, service providers, processors, etc.) ASAP so they can prevent moving it around
- Cancel all non-essential visits to the property and barn
- Consider how to manage manure movement and spreading (viruses can live for some time in pits even after barn is negative)
- Eliminate the disease

What Can I Do? – Producers Helping Producers



Talk to your peers

- If people you know are not well-informed, help tell them
- Direct people to the resources www.swinehealthontario.ca
- Explain why it matters to you as a fellow producer
 - We don't want to live with this disease
 - Mental health toll and financial costs
 - Every finisher that doesn't report and clean out puts others at risk and prevents overall provincial elimination

Vaccines?

- Vaccines are available for PED in USA and other areas of the world
- Vaccines are ineffective at producing good immune response in naïve animals, only ones that have already been infected
- Utilized as tool in outbreaks along with feedback to maintain immunity levels until herd reaches negative status
- **Does not prevent infection (ON doesn't want to 'live' with this disease like we do with PRRS)



What Can I Do? – Transporters

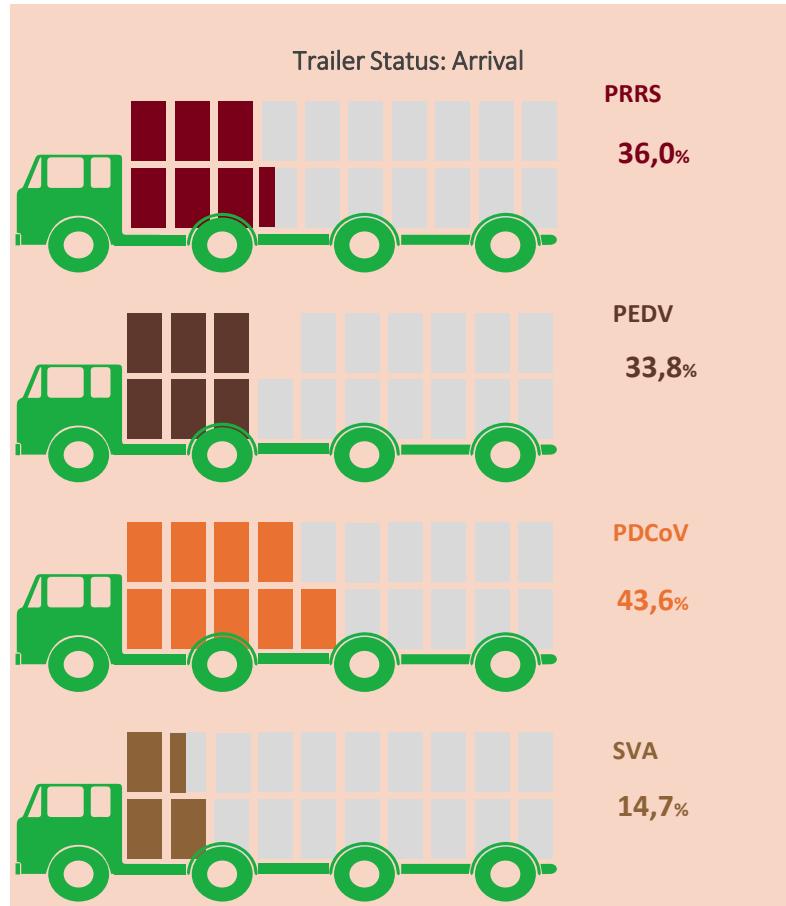
Many farms are the transporters

Weather always makes it difficult, but:

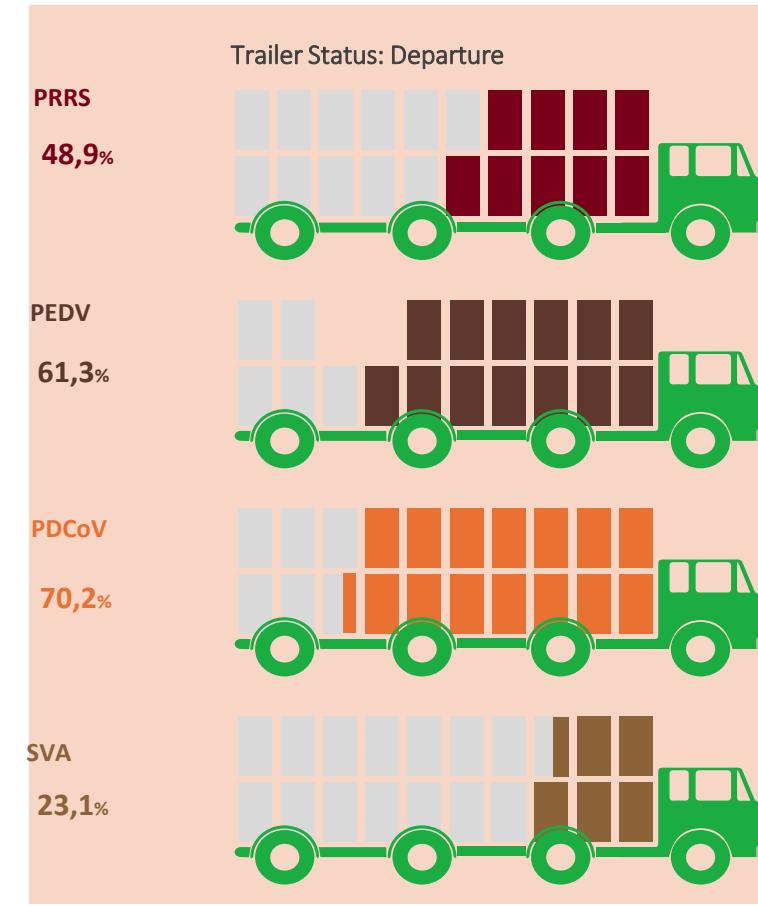
- Pigs need a clean ride
- Dirty places are DIRTY places
- Know what pigs were on your trailer
- Transportation includes the tractor and your equipment
- Wash your wash bay
- Always follow your biosecurity procedures



Contamination at the Slaughter Plant



Ferreira et al, 2025



- Study in Minnesota tested trailers before and after unloading at slaughter plant
- Contamination rate for all four pathogens increased after loading
- 76% of trailers arriving clean left with virus

What Can I Do? – Other Industry Partners

- Limit farm visits
- Move from high health to low health
- Use dedicated clothing/footwear
- Shower in/out when possible and respect Danish entries
- Frequently clean vehicles
- Store clean and dirty supplies separately
- Notify producer if you see any potential symptoms
- Respect down time requirements by farm BUT this isn't a cure all solution
- FEED: refer to ANAC National Biosecurity Guide for the Livestock and Poultry Feed Sector





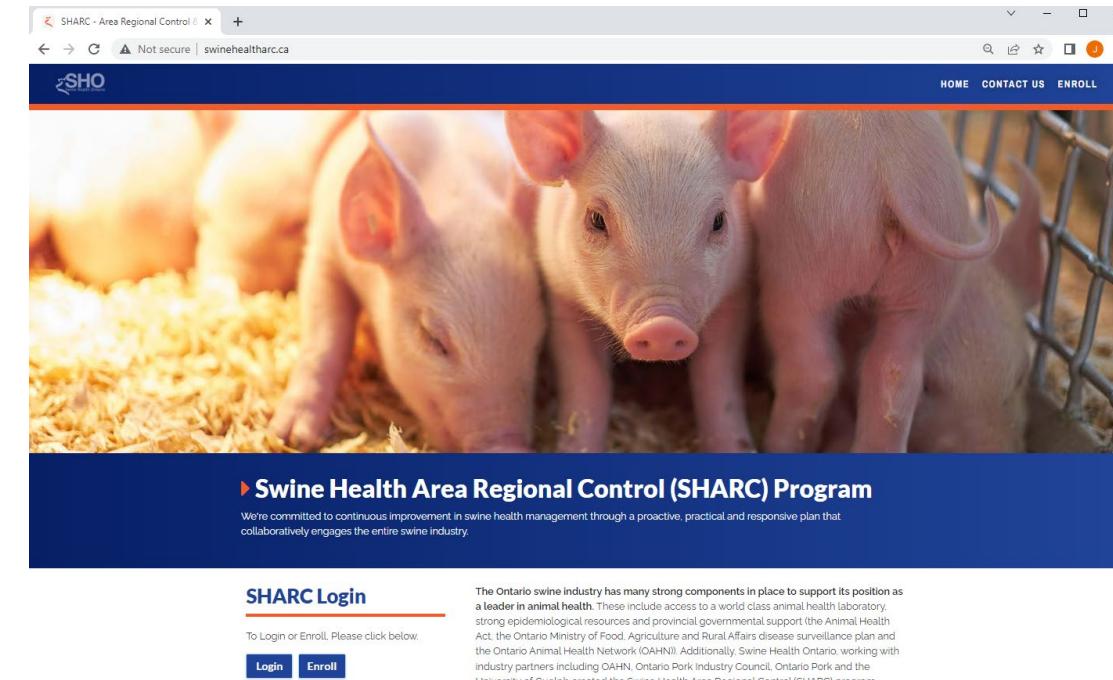
SHARC
SWINE
HEALTH
AREA
REGIONAL
CONTROL

SHARC Program

SHARC is a risk management tool

Producers can use the information to make decisions related to hog movements/placements, manure spreading and barn building ***especially now with high risk of PED/PDCOV***

No day-to-day management by producers is required



The screenshot shows a web browser window with the title 'SHARC - Area Regional Control'. The address bar says 'Not secure | swinehealtharc.ca'. The header features the 'SHO' logo. Below the header is a large image of several pigs in a pen. A blue sidebar on the left contains the text 'Swine Health Area Regional Control (SHARC) Program' and a subtext about continuous improvement. The main content area has a 'SHARC Login' section with 'Login' and 'Enroll' buttons, and a paragraph about the Ontario swine industry's components.

SHARC - Area Regional Control

Not secure | swinehealtharc.ca

SHO

HOME CONTACT US ENROLL

► Swine Health Area Regional Control (SHARC) Program

We're committed to continuous improvement in swine health management through a proactive, practical and responsive plan that collaboratively engages the entire swine industry.

SHARC Login

To Login or Enroll. Please click below.

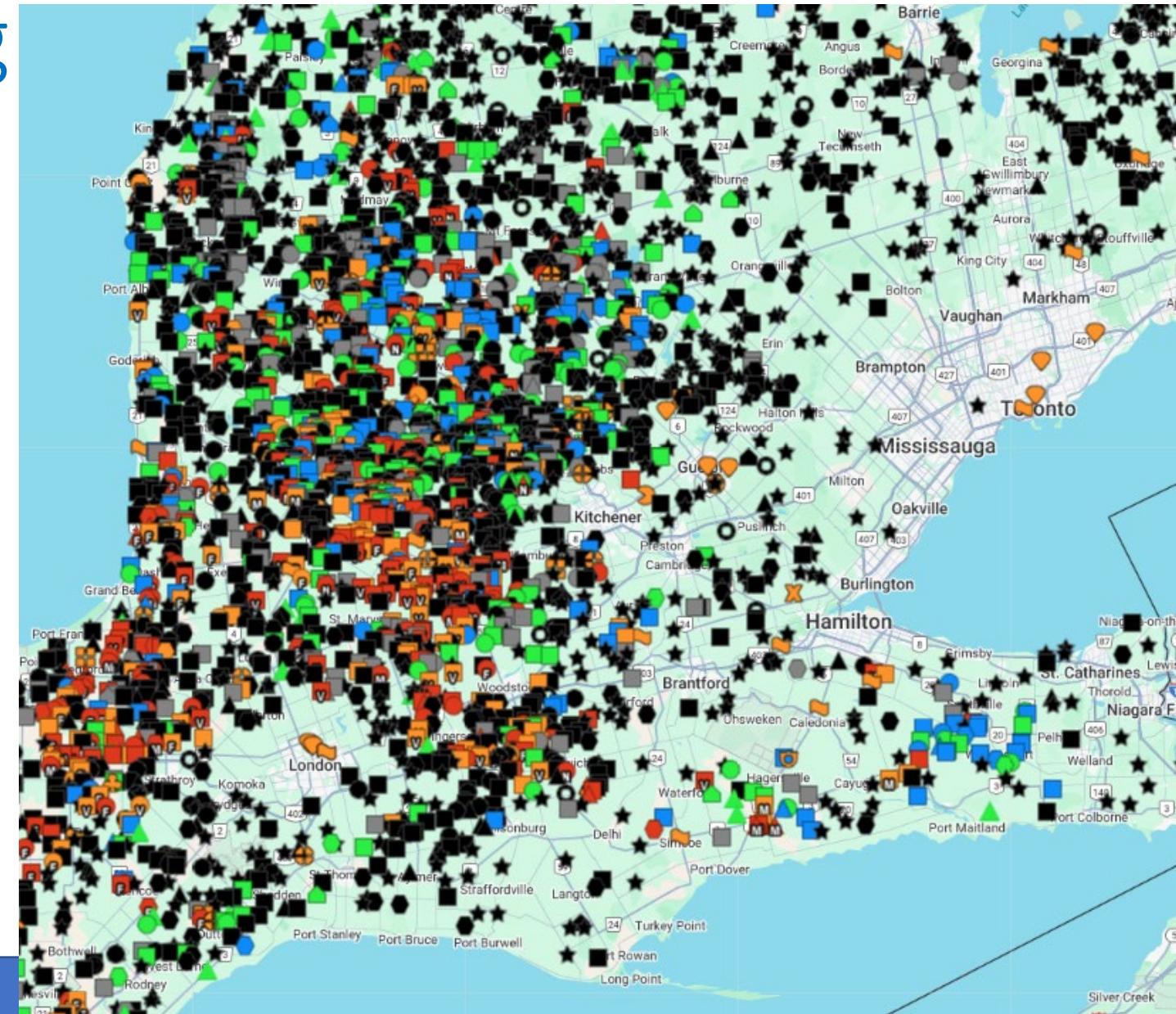
Login Enroll

The Ontario swine industry has many strong components in place to support its position as a leader in animal health. These include access to a world class animal health laboratory, strong epidemiological resources and provincial governmental support (the Animal Health Act, the Ontario Ministry of Food, Agriculture and Rural Affairs disease surveillance plan and the Ontario Animal Health Network (OAHN)). Additionally, Swine Health Ontario, working with industry partners including OAHN, Ontario Pork Industry Council, Ontario Pork and the University of Guelph created the Swine Health Area Regional Control (SHARC) program.



SHARC
SWINE
HEALTH
AREA
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CONTROL

Mapping





SHARC
SWINE
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CONTROL



SHARC Program

- Visit www.swinehealtharc.ca/Enroll to enroll in the program
- Contact info@swinehealthontario.ca for help with enrolling, for a demo of the program or for information on industry partner limited access

Protect your herd.

Anticipate and manage disease risk.

SHARC is a collaborative risk management tool used by producers to make informed decisions about farm operations, based on available health data. The results are cumulative, resulting in a higher level of disease protection for all swine herds.

It's easy to sign up.

- 1 Find your 9-digit producer number and an email registered with Ontario Pork.
- 2 Go to www.swinehealtharc.ca/enroll
- 3 Select "producer" and follow the prompts.

Producers already registered with the previous ARC&E program will be automatically enrolled in SHARC.

SHARC is operated by Swine Health Ontario in partnership with Ontario Pork and the Ontario Pork Industry Council (OPIC).

SHO
Swine Health Ontario

ONTARIO PORK

OPIC
Ontario Pork Industry Council

Info@swinehealthontario.ca • 877-668-7675 x1401

Mental Health Support

If you or someone you know is struggling, please reach out to the Farmer Wellness Initiative at 1-866-267-6255 or www.farmerwellnessinitiative.ca

