

Canadian Swine Health Intelligence Network (CSHIN)

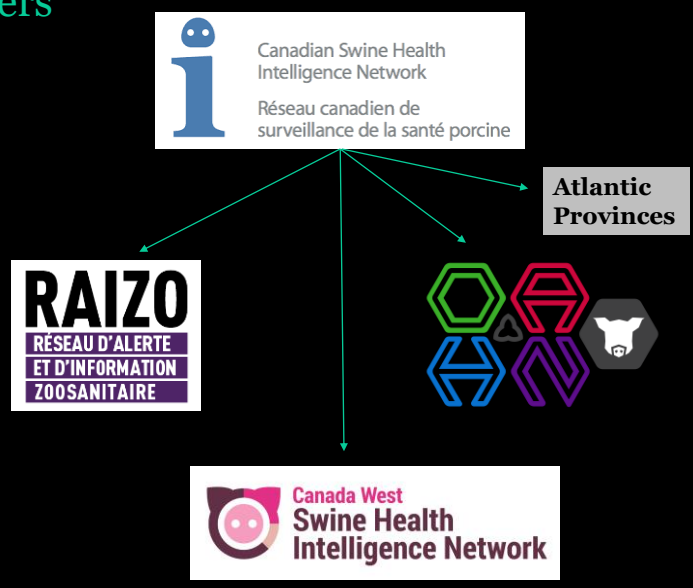
Success Stories of a Swine Surveillance Network



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CSHIN Contributing Partners

- The Canadian Swine Health Intelligence Network (CSHIN) is made up of 3 organized swine regional networks including RAIZO (Quebec), OAHN (Ontario) and CWSHIN (Western Provinces)
- Each regional network sends data and representation to CSHIN quarterly calls. This allows for national discussions on swine surveillance and disease related topics
- The Atlantic provinces contribute to CSHIN, but do not have an organized regional network. They are unable to contribute data, but do send representation to CSHIN calls



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The History of CSHIN

- CSHIN was created as a Canadian Swine Health Board (CSHB) initiative and the network was officially launched in Q4 of 2012
- CSHIN is jointly funded by the Canadian Association of Swine Veterinarians (CASV) and the Canadian Pork Council (CPC)
- Dr. Chris Byra managed CSHIN until he retired in May 2017
- Dr. Christa Arsenault is the current CSHIN manager and assumed this role in May of 2017



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CSHIN Data/ Information

The basis of each CSHIN discussion comes from the following data sources;

- Contributing laboratory data
- Condemnation data (both provincial and federal)
- Practitioners punctual reporting
- Regulated diseases reporting
- Information generated from a veterinary clinical impression survey summarizing what vets have seen in general practice over the corresponding quarter

It is important to note;

- Each regional network analyzes the data and information contributing to their quarterly discussions differently



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CSHIN Calls, Products and Representation

- The lead of each regional network, brings a list of the top 4 topics that they would like to discuss nationally to CSHIN calls
- CSHIN generates a national producer/industry report (seen in the adjacent photo) and a report tailored for veterinarians from the quarterly call discussions
- Canadian Food Inspection Agency (CFIA), Canadian Pork Council (CPC), Canadian Association of Swine Veterinarians (CASV) and the Canadian Animal Health Surveillance System (CAHSS) all send representation to CSHIN calls

CSHIN QUARTERLY PRODUCER REPORT

REPORT Q2 APRIL-JUNE 2019
 Veterinary Survey Participation: 41 veterinarians (12 Québec, 13 Ontario and 16 Western Canada). Provincial networks also contribute laboratory data.

Senecavirus A (SVA) On-farm Case Update– Dr. Ryan Tenbergen

Dr. Ryan Tenbergen provided an update on the clinical aspects of SVA detection in two sow herds in Ontario.

- Two sow herds were confirmed positive for SVA in late July.
- There is a connection between these two sow herds with some shared trucking and feed connections.
- The initial clinical signs seen in both herds were sows off feed and piglet scours.
- Early on there were approximately 30 to 40% of piglets scouring with up to 70% mortality in affected litters. This lasted 3 weeks in duration.
- Sow mortality rose from a rate of 6 to 8% to a level of 12 to 15% for a short duration of 3 to 4 weeks. Sows that were already compromised also tended to be lost to mortality.
- There were no reports of lameness, but sows were housed in stalls.
- There were no clinical signs seen in positive nurseries.
- Personnel at the farm forwarded photos of blisters on a few sows to their veterinarian who notified the Canadian Food Inspection Agency (CFIA). Prevalence was very low with less than 10% of sows showing

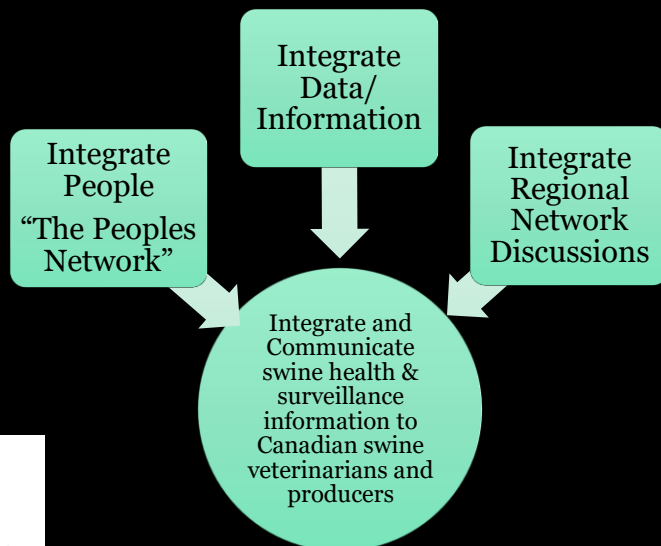
All CSHIN Producer/ Industry Reports are available at:
<https://www.cpc-ccp.com/cshin>
 Reports are also communicated through the CAHSS listserv

Veterinary Clinical Impression Survey Targets

- Private practicing swine veterinarians play a critical role in CSHIN
- They provide first-hand information of what is being observed on farms in the quarterly clinical impression survey
- The veterinary clinical impressions survey is the same for both OAHN and RAIZO but differs in format for CWSHIN

Regional Network	Target % of Vets completing Survey
RAIZO (Quebec)	80% of swine vets participate
OAHN (Ontario)	70% of OASV Members
CWSHIN (Western Provinces)	50% of swine vets participate

The Goals/ Success of CSHIN



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Success Stories of CSHIN

- Coordinated ASF planning updates on CSHIN calls from varying organizations
- Worked with CAHSS to develop a swine surveillance network map including a detailed CSHIN component map
- Quarterly veterinarian and producer reports
- Porcine Epidemic Diarrhea (PED) and emerging disease update reports- focused nationally as of 2019
- Organized regional networks, recently sent representation to sit on a CFIA led surveillance options working group for ASF planning



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Work in progress...

- Creation of a CSHIN website
 - Reports will be posted and easily accessible
 - Gain a better understand “who” is engaged in the information that the network produces
 - Information will allow for a better understanding of the target audiences of CSHIN
- Determine how CSHIN works with CAHSS
 - Prevent duplication
 - Figure out how each enhances the other

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Any Questions?



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