COMMUNITY FOR EMERGING & ZOONOTIC DISEASES
2025-2026 Annual Report

804 MEMBERS (~10% increase!)

51 WEEKLY REPORTS

24 QUARTERLY DISCIPLINE SPECIFIC REPORTS

18 DISEASE NOTIFICATIONS

13 PING QUESTIONS

10 MONTHLY CALLS

EARLY WARNING INTELLIGENCE

- **23,024** Disease information pieces collected
- **6,481** Signals assessed by the community
- **227** Early warning signals relevant to Canada

882 (14%) scientific findings, reports, guidance

125 signals per week on average

15 individual users rating signals across **9** organizations

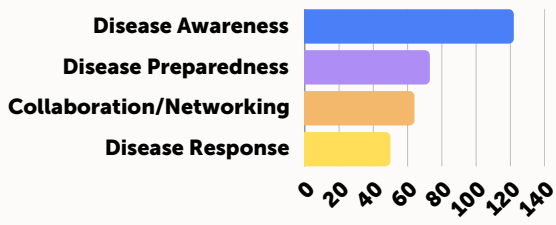
SURVEY RESULTS

99% Are satisfied with CEZD

97% Would recommend CEZD

95% Recieved valuable information

Where CEZD Supports its Members



The annual survey received 128 survey responses representing 56 organizations. Of those who responded, 60 were CNPHI members, 27 were non-members and 41 are unknown.

HOT TOPICS AND BURNING QUESTIONS IN 2025 & 2026

Apr
Topic: Rodents and PED/HPAI
Q: Are rodents an overlooked pathway for disease transmission?

May
Topic: Japanese Encephalitis in Sheep
Q: Could sheep act as amplifying hosts for JEV?

Jun
Topic: Asian Lonhorned Tick and Theileria
Q: How concerning are detections near the Canadian border?

Jul
Topic: Drivers of Disease Emergence in Europe
Q: What is driving FMD, LSD, PPR, Bluetongue and other outbreaks?

Aug
Topic: Chikungunya in China
Q: What vector-borne diseases pose the greatest emerging threat?

Sep
Topics: 1. Rocky Mountain Spotted Fever in Canada; 2. Buffalo-Origin Senecavirus A
Qs: 1. Is RMSF becoming an emerging Canadian concern? 2. Could vesicular diseases emerge in new livestock hosts?

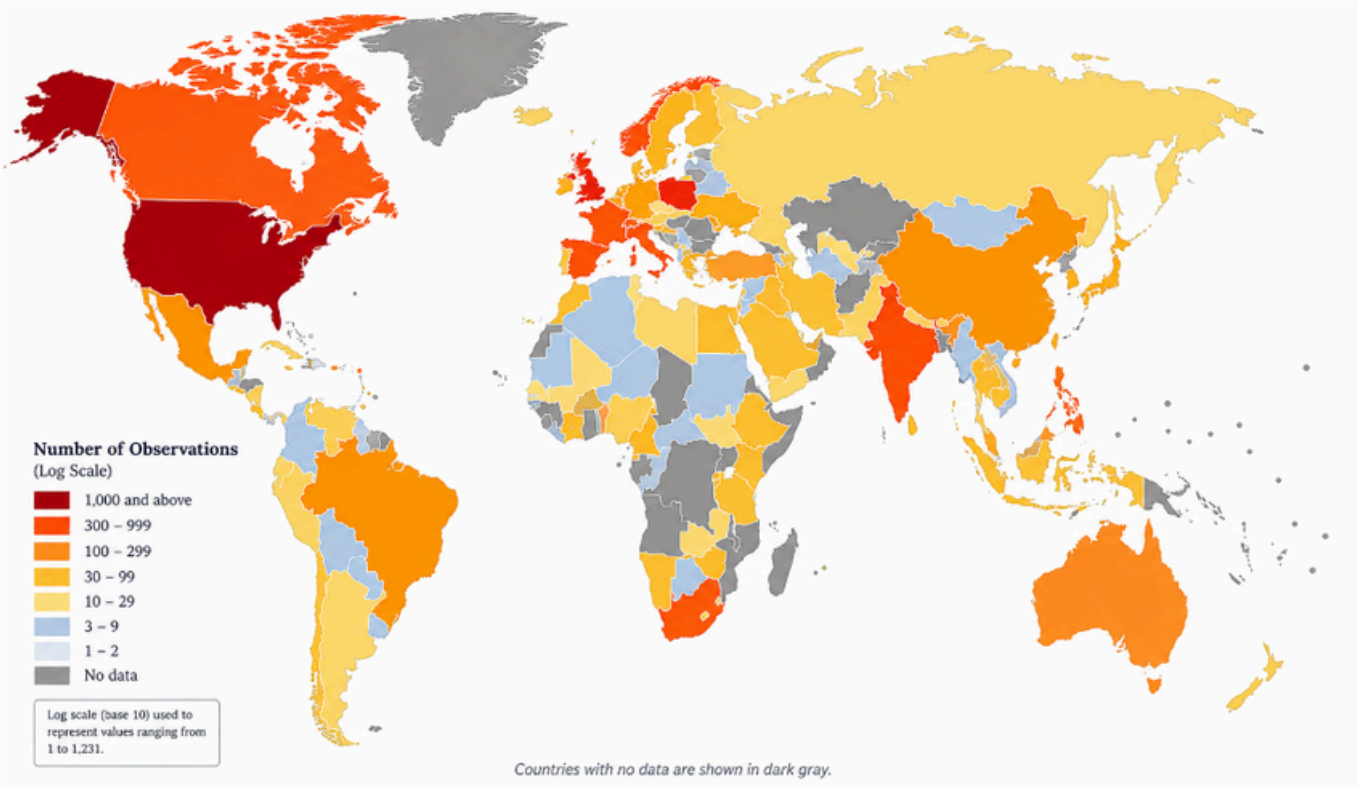
Nov
Topics: 1. Pigeon Paramyxovirus-1; 2. H5 Influenza in Vampire Bats; 3. H5N1 Exposure in Wild Pigs.
Qs: 1. Is the zoonotic risk underestimated?; 2 could bats represent a new pathway for HPAI evolution; 3. Do wild pigs increase reassortment risk?

Dec
Topic: High H5N1 Activity in Europe
Q: Could new HPAI genotypes reach Canada?

Feb
Topic: Influenza D Seroprevalence
Q: Is influenza D an emerging concern for cattle and humans?

Mar
Topic: Newcastle Disease Increase
Q: Why are outbreaks increasingly global?

GLOBAL DISTRIBUTION OF SIGNALS



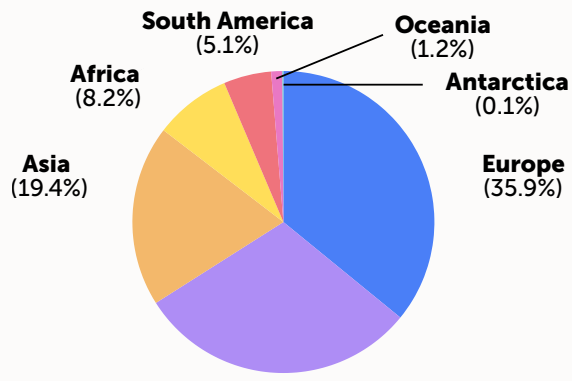
Countries with no data are shown in dark gray.



172 countries are represented. **28** countries had only one signal each.

Signal distribution across continents

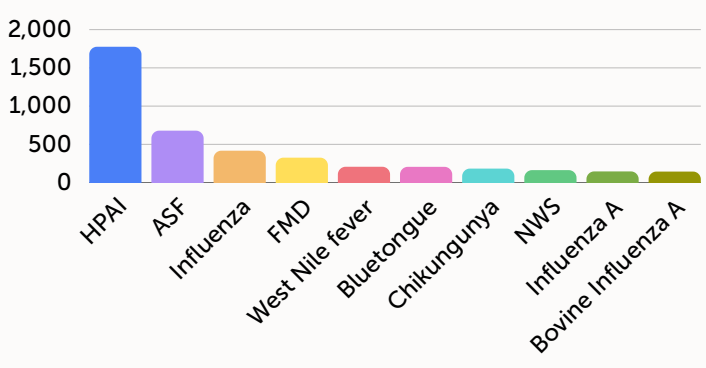
Total countries that submitted signals



TOP 10 GLOBAL EVENTS

1. **HPAI H5N1** in domestic and wild birds across Canada
2. First reports of ***Theileria orientalis* Ikeda** in Canada
3. **Newcastle Disease Virus** in British Columbia
4. **Bovine Tuberculosis** in Manitoba
5. **HPAI H5N1** in dairy cattle in the USA and Netherlands
6. Emergence of **Rocky Mountain Spotted Fever** in Ontario
7. Northwest Expansion of **New World Screwworm** throughout Mexico
8. Emergence of **Foot and Mouth Disease SAT-1** in Cyprus and Greece
9. Emergence of **Lumpy Skin Disease** in Italy, France, and Spain
10. Emergence of **African Swine Fever** in wild boar in Spain

MOST FREQUENTLY REPORTED HAZARDS



Check out our website for more information: https://cezd.ca