COMMUNITY FOR EMERGING AND ZOONOTIC DISEASES (CEZD)
multidisciplinary perspectives to generate anticipatory intelligence to provide early warning for emerging and zoonotic diseases

Disease Intelligence Process of CEZD has five stages:

1. Disease or Event Occurrence
   Emergence and zoonotic diseases are occurring more frequently around the globe.
   Events are reported daily from a myriad of public information sources.

2. Signal Identification
   A vast amount of information from various informal sources is filtered by the Knowledge Integration using Web based Intelligence (KIWI) technology on the Canadian Network for Public Health Intelligence (CNPHI).
   Without the KIWI technology, the task of reviewing the huge volume of information would be practically impossible.
   KIWI identifies disease “signals” which could contain information about an emerging or zoonotic disease risk to Canada.

3. Multidisciplinary Review & Evaluation
   The signals generated by KIWI are reviewed by the community of practice.
   The community is a diverse group of people from animal and public health spheres, in both the public and private sectors.
   This review process further decreases the number of signals by separating those that are relevant, from those that are not thought to pose a risk.

4. Intelligence Reporting
   Only the signals that are relevant to Canada are included CEZD intelligence reports.
   Weekly intelligence reports provide a listing of all signals that are relevant to Canada.
   Situation reports are created to document unusual or emerging situations for which more information is required.
   High urgency reports are immediately sent via e-mail.

5. Early Warning Dissemination
   Early warning of emerging risks is provided to the animal and public health communities of practice throughout Canada to enable informed decision making.

How CEZD Benefits Canada and Canadians

- Provides consistent and timely distribution of relevant intelligence reports
- Saves time with automated information mining of numerous sources simultaneously
- Encourages collaboration within the community to leverage and unite expertise from industry, governments, species specialists, epidemiologists, veterinarians, researchers, academics, public health specialists, diagnosticians, policy makers
- Provides community based collaborative analytical capability
- Creates a single community voice which strengthens the case for action on threats
- Provides a single location for review and analysis of disease information from a broad range of sources from around the world
- Creates a searchable repository of historical early warning signals
- CEZD intelligence reports put key issues in front of decision makers

For more information on how you can be a part of this important community, visit www.cahss.ca and access the CEZD group or contact Andrea.Osborn@inspection.gc.ca

Help Keep Canada Ahead of the Curve
Canada’s early warning and detection of emerging and zoonotic diseases depends on an engaged community of qualified people from a broad range of sectors and disciplines.