

What Is Infection Watch Live?



Infection Watch Live is a public-facing website connecting healthcare providers, educators, workplaces, parents, and public officials in the Kingston, Lennox, Frontenac & Addington (KFL&A) region to information on their community's current health status.

The system uses spatial data to empower the KFL&A community in understanding infection rates in their area, with relevant, current, and easily interpreted maps. Spatial data helps in the prompt detection of respiratory and gastrointestinal-related illnesses, and is particularly important due to these illnesses' rapid transmission and potential burden on the community.

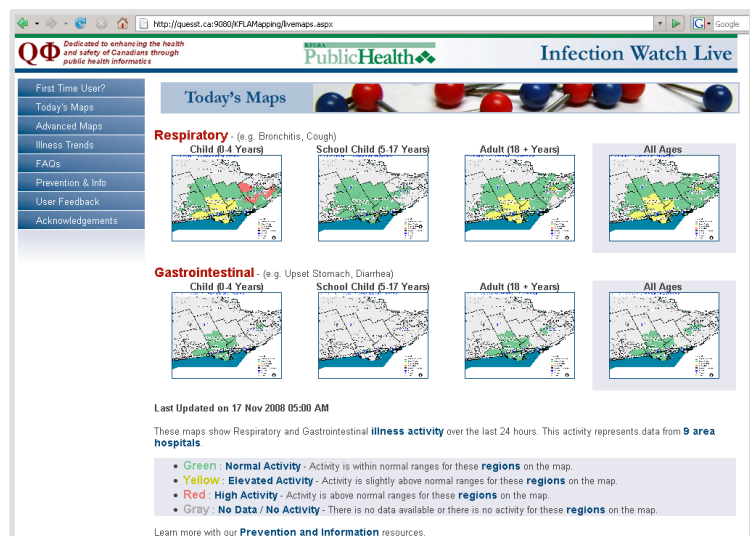
How Does Infection Watch Live Work?

The **Infection Watch Live** system accepts feeds of de-personalized, real-time, emergency department respiratory and gastrointestinal visit data from local hospitals, and evaluates these data based on the patient's age, the location of their home, and their presented symptoms. The cases are evaluated based on seasonal, demographic, and geographic norms to find anomalies and predictors for outbreaks or significant trends. The results are then reflected on maps as areas of "high" activity (in red); "elevated" activity (yellow); and "normal" activity (green).

What Does Infection Watch Live Provide?

The **Infection Watch Live** website includes the following functionality:

- **Today's Maps** – provides a snapshot of health status across the KFL&A region.
- **Advanced Maps** – an interactive web map.
- **Illness Trends** – allows users to build customized animated historical maps of disease activity.
- **WMS** – publishes the maps for direct use in other external GIS applications.
- **Prevention and Info** – provides the KFL&A community with information on the tracked conditions.



Are Other Versions Available?

Absolutely. Infonaut has built the **Infection Watch Live** application to ensure it is easy to reproduce and implement. The application is standards-based and highly scalable; it can be adopted to support multiple data sources and types of feeds; and is supported by ESRI's world-leading ArcGIS platform. The application is built on the popular and freely available "RODS" surveillance application, although it can be modified to suit other data streams and surveillance applications. Client hospitals providing data require no additional software to have their own implementation of this system.

Contact

Infection Watch Live is a product of KFLA Public Health and Infonaut Inc in collaboration with the Sault Ste Marie Innovation Centre (SSMIC). For more information please contact:

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